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151	1 2::P73439_tr P73439	455	25566	14	14	5
151	1 2::P73439_tr P73439	455	25566	14	14	5
151	1 2::P73439_tr P73439	455	25566	14	14	5
151	1 2::P73439_tr P73439	455	25566	14	14	5
151	1 2::P73439_tr P73439	455	25566	14	14	5
152	1 2::P73235_tr P73235	441	40136	5	5	2
152	1 2::P73235_tr P73235	441	40136	5	5	2
152	1 2::P73235_tr P73235	441	40136	5	5	2
152	1 2::P73235_tr P73235	441	40136	5	5	2
152	1 2::P73235_tr P73235	441	40136	5	5	2
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
153	1 2::UCRIB_S sp P26290	439	19212	12	12	7
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
154	1 2::IF3_SYN\ sp P72874	438	20604	10	10	5
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
155	1 2::DAPF_SY sp P74667	436	30590	14	14	6
156	1 2::P74295_tr P74295	429	17559	8	8	4
156	1 2::P74295_tr P74295	429	17559	8	8	4

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164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
164	1 2::Y755_SY sp Q55624	401	22609	11	11	6
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
165	1 2::P72768_tr P72768	399	28981	11	11	7
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
166	1 2::MURF_S' sp P45450	398	48495	10	10	8
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
167	1 2::NDHJ_SY sp P19125	394	20751	17	17	11
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3

168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
168	1 2::ATPE_SY sp P26533	390	14572	8	8	3
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
169	1 2::RL6_SYN sp P73306	389	19655	11	11	9
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
170	1 2::P73759_tr P73759	386	38168	11	11	4
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
171	1 2::P73733_tr P73733	383	21422	9	9	3
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
172	1 2::Y041_SY sp Q55445	381	108554	7	7	2
173	1 2::Q6ZE69_tr Q6ZE69	379	48535	14	14	9
173	1 2::Q6ZE69_tr Q6ZE69	379	48535	14	14	9
173	1 2::Q6ZE69_tr Q6ZE69	379	48535	14	14	9

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180	1 2::G3P2_SY sp P80505	367	36775	10	10	7
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
181	1 2::P72939_tr P72939	360	149299	8	8	6
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
182	1 2::G3P1_SY sp P49433	358	36408	7	7	4
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
183	1 2::P72963_tr P72963	357	50526	10	10	7
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
184	1 2::P72646_tr P72646	355	21017	7	7	2
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
185	1 2::P73681_tr P73681	351	33482	13	13	8
186	1 2::CPXS2_S sp P73092	346	22160	15	15	6
186	1 2::CPXS2_S sp P73092	346	22160	15	15	6

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196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
196	1 2::P74789_ tr  P74789	324	32409	9	9	3
197	1 2::P74669_ tr  P74669	322	9351	5	5	2
197	1 2::P74669_ tr  P74669	322	9351	5	5	2
197	1 2::P74669_ tr  P74669	322	9351	5	5	2
197	1 2::P74669_ tr  P74669	322	9351	5	5	2
197	1 2::P74669_ tr  P74669	322	9351	5	5	2
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
198	1 2::ENO_SY† sp  P77972	321	46557	7	7	4
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
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199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
199	1 2::P74074_ tr  P74074	319	22538	11	11	6
200	1 2::P73591_ tr  P73591	318	25959	10	10	8
200	1 2::P73591_ tr  P73591	318	25959	10	10	8
200	1 2::P73591_ tr  P73591	318	25959	10	10	8
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200	1 2::P73591_ tr  P73591	318	25959	10	10	8
200	1 2::P73591_ tr  P73591	318	25959	10	10	8
201	1 2::RL13_SY sp  P73294	316	16980	11	11	5
201	1 2::RL13_SY sp  P73294	316	16980	11	11	5
201	1 2::RL13_SY sp  P73294	316	16980	11	11	5
201	1 2::RL13_SY sp  P73294	316	16980	11	11	5
201	1 2::RL13_SY sp  P73294	316	16980	11	11	5
201	1 2::RL13 SY sp  P73294	316	16980	11	11	5



[illegible]

[illegible]

[illegible]

[illegible]

223	1 2::Q55554_tr Q55554	284	19164	7	7	3
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
224	1 2::RPIA_SYI sp Q55766	284	24737	7	7	5
225	1 2::Y400_SYI sp Q55129	283	18373	4	4	1
225	1 2::Y400_SYI sp Q55129	283	18373	4	4	1
225	1 2::Y400_SYI sp Q55129	283	18373	4	4	1
225	1 2::Y400_SYI sp Q55129	283	18373	4	4	1
226	1 2::P73419_tr P73419	280	32043	6	6	4
226	1 2::P73419_tr P73419	280	32043	6	6	4
226	1 2::P73419_tr P73419	280	32043	6	6	4
226	1 2::P73419_tr P73419	280	32043	6	6	4
226	1 2::P73419_tr P73419	280	32043	6	6	4
226	1 2::P73419_tr P73419	280	32043	6	6	4
227	1 2::Y1021_S' sp P72929	280	74492	5	5	2
227	1 2::Y1021_S' sp P72929	280	74492	5	5	2
227	1 2::Y1021_S' sp P72929	280	74492	5	5	2
227	1 2::Y1021_S' sp P72929	280	74492	5	5	2
227	1 2::Y1021_S' sp P72929	280	74492	5	5	2
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
228	1 2::P74478_tr P74478	270	24844	7	7	3
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
229	1 2::P73032_tr P73032	270	185120	10	10	6
230	1 2::P74433_tr P74433	269	34843	5	5	4
230	1 2::P74433_tr P74433	269	34843	5	5	4
230	1 2::P74433_tr P74433	269	34843	5	5	4
230	1 2::P74433_tr P74433	269	34843	5	5	4
230	1 2::P74433_tr P74433	269	34843	5	5	4
231	1 2::ANMK_S' sp P74706	265	42939	6	6	3
231	1 2::ANMK_S' sp P74706	265	42939	6	6	3
231	1 2::ANMK_S' sp P74706	265	42939	6	6	3

231	1 2::ANMK_S' sp P74706	265	42939	6	6	3
231	1 2::ANMK_S' sp P74706	265	42939	6	6	3
231	1 2::ANMK_S' sp P74706	265	42939	6	6	3
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
232	1 2::Q6ZEV7_tr Q6ZEV7	264	44813	6	6	4
233	1 2::Y1101_S' sp P72745	263	12455	5	5	2
233	1 2::Y1101_S' sp P72745	263	12455	5	5	2
233	1 2::Y1101_S' sp P72745	263	12455	5	5	2
233	1 2::Y1101_S' sp P72745	263	12455	5	5	2
233	1 2::Y1101_S' sp P72745	263	12455	5	5	2
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
234	1 2::Y1388_S' sp P74148	261	17452	13	13	9
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	1 2::CCMK2_ sp P72761	260	11128	8	8	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
235	2 2::CCMK1_ sp P72760	199	12094	6	6	4
236	1 2::PPI1_SY† sp P72704	256	26620	5	5	3
236	1 2::PPI1_SY† sp P72704	256	26620	5	5	3
236	1 2::PPI1_SY† sp P72704	256	26620	5	5	3
236	1 2::PPI1_SY† sp P72704	256	26620	5	5	3
236	1 2::PPI1_SY† sp P72704	256	26620	5	5	3
237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1
237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1

237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1
237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1
237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1
237	1 2::GRPE_SY sp Q59978	253	27551	6	6	1
238	1 2::P73280_tr P73280	253	25167	5	5	2
238	1 2::P73280_tr P73280	253	25167	5	5	2
238	1 2::P73280_tr P73280	253	25167	5	5	2
238	1 2::P73280_tr P73280	253	25167	5	5	2
238	1 2::P73280_tr P73280	253	25167	5	5	2
239	1 2::Q55521_tr Q55521	250	47677	2	2	1
239	1 2::Q55521_tr Q55521	250	47677	2	2	1
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
240	1 2::P74021_tr P74021	249	20230	6	6	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
241	1 2::P72662_tr P72662	244	34998	7	7	3
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
242	1 2::Y1167_S' sp P74246	243	41448	8	8	7
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
243	1 1::P60712 SWISS-PRC	242	42052	11	11	4
244	1 2::RSMI_SY sp P74038	239	30925	7	7	5
244	1 2::RSMI_SY sp P74038	239	30925	7	7	5
244	1 2::RSMI_SY sp P74038	239	30925	7	7	5
244	1 2::RSMI_SY sp P74038	239	30925	7	7	5
244	1 2::RSMI_SY sp P74038	239	30925	7	7	5

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251	1 2::YC53L_S sp P72583	221	26506	7	7	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
252	1 2::P73050_tr P73050	219	19649	6	6	4
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
253	1 2::Y925_SY sp P72873	217	23153	6	6	5
254	1 2::P72683_tr P72683	217	32581	5	5	4
254	1 2::P72683_tr P72683	217	32581	5	5	4
254	1 2::P72683_tr P72683	217	32581	5	5	4
254	1 2::P72683_tr P72683	217	32581	5	5	4
254	1 2::P72683_tr P72683	217	32581	5	5	4
255	1 2::PSBU_SY sp Q55332	216	14293	4	4	2
255	1 2::PSBU_SY sp Q55332	216	14293	4	4	2
255	1 2::PSBU_SY sp Q55332	216	14293	4	4	2
255	1 2::PSBU_SY sp Q55332	216	14293	4	4	2
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
256	1 2::P74164_tr P74164	215	34009	8	8	7
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
257	1 2::Q55149_tr Q55149	211	16532	8	8	6
258	1 2::P73989_tr P73989	211	25971	5	5	1
258	1 2::P73989_tr P73989	211	25971	5	5	1
258	1 2::P73989_tr P73989	211	25971	5	5	1
258	1 2::P73989_tr P73989	211	25971	5	5	1
258	1 2::P73989_tr P73989	211	25971	5	5	1
259	1 2::P73497_tr P73497	211	21104	8	8	7
259	1 2::P73497_tr P73497	211	21104	8	8	7
259	1 2::P73497_tr P73497	211	21104	8	8	7
259	1 2::P73497_tr P73497	211	21104	8	8	7
259	1 2::P73497_tr P73497	211	21104	8	8	7

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267	1 2::P73929_ tr  P73929	204	15396	5	5	4
267	1 2::P73929_ tr  P73929	204	15396	5	5	4
267	1 2::P73929_ tr  P73929	204	15396	5	5	4
268	1 2::P74626_ tr  P74626	199	26579	3	3	2
268	1 2::P74626_ tr  P74626	199	26579	3	3	2
268	1 2::P74626_ tr  P74626	199	26579	3	3	2
269	1 2::DPO3B_ sp  P72856	197	42119	5	5	4
269	1 2::DPO3B_ sp  P72856	197	42119	5	5	4
269	1 2::DPO3B_ sp  P72856	197	42119	5	5	4
269	1 2::DPO3B_ sp  P72856	197	42119	5	5	4
269	1 2::DPO3B_ sp  P72856	197	42119	5	5	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
270	1 2::CYNT_ SY sp  Q54735	195	30970	7	7	4
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
271	1 2::P73007_ tr  P73007	192	20670	6	6	5
272	1 2::FTSZ_ SY sp  P73456	192	44917	5	5	4
272	1 2::FTSZ_ SY sp  P73456	192	44917	5	5	4
272	1 2::FTSZ_ SY sp  P73456	192	44917	5	5	4
272	1 2::FTSZ_ SY sp  P73456	192	44917	5	5	4
272	1 2::FTSZ_ SY sp  P73456	192	44917	5	5	4
273	1 2::Q55496_ tr  Q55496	188	25325	4	4	3
273	1 2::Q55496_ tr  Q55496	188	25325	4	4	3
273	1 2::Q55496_ tr  Q55496	188	25325	4	4	3
273	1 2::Q55496_ tr  Q55496	188	25325	4	4	3
274	1 2::HPF_ SY sp  P74518	188	21881	5	5	4
274	1 2::HPF_ SY sp  P74518	188	21881	5	5	4
274	1 2::HPF_ SY sp  P74518	188	21881	5	5	4
274	1 2::HPF_ SY sp  P74518	188	21881	5	5	4
274	1 2::HPF_ SY sp  P74518	188	21881	5	5	4
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
275	1 2::P74284_ tr  P74284	185	25691	6	6	6
276	1 2::P73604_ tr  P73604	184	12217	6	6	2
276	1 2::P73604_ tr  P73604	184	12217	6	6	2
276	1 2::P73604_ tr  P73604	184	12217	6	6	2
276	1 2::P73604_ tr  P73604	184	12217	6	6	2

276	1 2::P73604_ tr P73604	184	12217	6	6	2
276	1 2::P73604_ tr P73604	184	12217	6	6	2
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
277	1 2::GCST_Sy sp P54261	182	41068	6	6	6
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
278	1 2::Q55870_ tr Q55870	181	44513	6	6	4
279	1 2::P74563_ tr P74563	180	16686	4	4	1
279	1 2::P74563_ tr P74563	180	16686	4	4	1
279	1 2::P74563_ tr P74563	180	16686	4	4	1
279	1 2::P74563_ tr P74563	180	16686	4	4	1
280	1 2::DER_SY sp P74120	179	50908	6	6	3
280	1 2::DER_SY sp P74120	179	50908	6	6	3
280	1 2::DER_SY sp P74120	179	50908	6	6	3
280	1 2::DER_SY sp P74120	179	50908	6	6	3
280	1 2::DER_SY sp P74120	179	50908	6	6	3
280	1 2::DER_SY sp P74120	179	50908	6	6	3
281	1 2::P74450_ tr P74450	178	35008	5	5	2
281	1 2::P74450_ tr P74450	178	35008	5	5	2
281	1 2::P74450_ tr P74450	178	35008	5	5	2
281	1 2::P74450_ tr P74450	178	35008	5	5	2
281	1 2::P74450_ tr P74450	178	35008	5	5	2
282	1 2::GGT_SY sp P74181	177	56238	4	4	2
282	1 2::GGT_SY sp P74181	177	56238	4	4	2
282	1 2::GGT_SY sp P74181	177	56238	4	4	2
282	1 2::GGT_SY sp P74181	177	56238	4	4	2
283	1 2::LEUD_Sy sp P74207	176	21859	5	5	4
283	1 2::LEUD_Sy sp P74207	176	21859	5	5	4
283	1 2::LEUD_Sy sp P74207	176	21859	5	5	4
283	1 2::LEUD_Sy sp P74207	176	21859	5	5	4
283	1 2::LEUD_Sy sp P74207	176	21859	5	5	4
284	1 2::P72802_ tr P72802	175	29985	6	6	6
284	1 2::P72802_ tr P72802	175	29985	6	6	6
284	1 2::P72802_ tr P72802	175	29985	6	6	6
284	1 2::P72802_ tr P72802	175	29985	6	6	6
284	1 2::P72802_ tr P72802	175	29985	6	6	6
284	1 2::P72802_ tr P72802	175	29985	6	6	6
285	1 2::P72625_ tr P72625	175	25201	8	8	4
285	1 2::P72625_ tr P72625	175	25201	8	8	4
285	1 2::P72625_ tr P72625	175	25201	8	8	4
285	1 2::P72625_ tr P72625	175	25201	8	8	4

285	1 2::P72625_ tr  P72625	175	25201	8	8	4
285	1 2::P72625_ tr  P72625	175	25201	8	8	4
285	1 2::P72625_ tr  P72625	175	25201	8	8	4
285	1 2::P72625_ tr  P72625	175	25201	8	8	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
286	1 2::P73875_ tr  P73875	174	8249	6	6	4
287	1 2::P74009_ tr  P74009	172	8452	5	5	3
287	1 2::P74009_ tr  P74009	172	8452	5	5	3
287	1 2::P74009_ tr  P74009	172	8452	5	5	3
287	1 2::P74009_ tr  P74009	172	8452	5	5	3
287	1 2::P74009_ tr  P74009	172	8452	5	5	3
288	1 2::CLPB2_ S sp  P74361	171	98119	4	4	2
288	1 2::CLPB2_ S sp  P74361	171	98119	4	4	2
288	1 2::CLPB2_ S sp  P74361	171	98119	4	4	2
288	1 2::CLPB2_ S sp  P74361	171	98119	4	4	2
289	1 2::P74107_ tr  P74107	170	25880	4	4	3
289	1 2::P74107_ tr  P74107	170	25880	4	4	3
289	1 2::P74107_ tr  P74107	170	25880	4	4	3
289	1 2::P74107_ tr  P74107	170	25880	4	4	3
290	1 2::Q57456_ tr  Q57456	169	47083	5	5	3
290	1 2::Q57456_ tr  Q57456	169	47083	5	5	3
290	1 2::Q57456_ tr  Q57456	169	47083	5	5	3
290	1 2::Q57456_ tr  Q57456	169	47083	5	5	3
290	1 2::Q57456_ tr  Q57456	169	47083	5	5	3
291	1 2::IF2_ SYN\ sp  P72689	167	108281	5	5	5
291	1 2::IF2_ SYN\ sp  P72689	167	108281	5	5	5
291	1 2::IF2_ SYN\ sp  P72689	167	108281	5	5	5
291	1 2::IF2_ SYN\ sp  P72689	167	108281	5	5	5
291	1 2::IF2_ SYN\ sp  P72689	167	108281	5	5	5
292	1 2::GSHB_ S\ sp  P73493	166	35218	4	4	3
292	1 2::GSHB_ S\ sp  P73493	166	35218	4	4	3
292	1 2::GSHB_ S\ sp  P73493	166	35218	4	4	3
292	1 2::GSHB_ S\ sp  P73493	166	35218	4	4	3
293	1 2::P73459_ tr  P73459	166	25706	5	5	3
293	1 2::P73459_ tr  P73459	166	25706	5	5	3
293	1 2::P73459_ tr  P73459	166	25706	5	5	3
293	1 2::P73459_ tr  P73459	166	25706	5	5	3
293	1 2::P73459_ tr  P73459	166	25706	5	5	3
294	1 2::CLPR_ SY sp  P74466	165	24980	4	4	2
294	1 2::CLPR_ SY sp  P74466	165	24980	4	4	2
294	1 2::CLPR_ SY sp  P74466	165	24980	4	4	2
294	1 2::CLPR_ SY sp  P74466	165	24980	4	4	2
295	1 2::P72779_ tr  P72779	165	19934	3	3	3
295	1 2::P72779_ tr  P72779	165	19934	3	3	3

295	1 2::P72779_tr P72779	165	19934	3	3	3
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
296	1 2::Q55172_tr Q55172	163	23637	6	6	5
297	1 2::BFR_SYN sp P24602	163	18376	4	4	3
297	1 2::BFR_SYN sp P24602	163	18376	4	4	3
297	1 2::BFR_SYN sp P24602	163	18376	4	4	3
297	1 2::BFR_SYN sp P24602	163	18376	4	4	3
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
298	1 2::CLPP3_S sp P74467	162	22440	5	5	5
299	1 2::Q6ZEU7_tr Q6ZEU7	162	19879	2	2	1
299	1 2::Q6ZEU7_tr Q6ZEU7	162	19879	2	2	1
300	1 2::CLPP1_S sp P54416	162	21841	4	4	3
300	1 2::CLPP1_S sp P54416	162	21841	4	4	3
300	1 2::CLPP1_S sp P54416	162	21841	4	4	3
300	1 2::CLPP1_S sp P54416	162	21841	4	4	3
301	1 2::SYM_SYN sp Q55729	161	61746	5	5	5
301	1 2::SYM_SYN sp Q55729	161	61746	5	5	5
301	1 2::SYM_SYN sp Q55729	161	61746	5	5	5
301	1 2::SYM_SYN sp Q55729	161	61746	5	5	5
301	1 2::SYM_SYN sp Q55729	161	61746	5	5	5
302	1 2::P73323_tr P73323	160	45281	2	2	1
302	1 2::P73323_tr P73323	160	45281	2	2	1
303	1 2::P74298_tr P74298	160	24436	5	5	3
303	1 2::P74298_tr P74298	160	24436	5	5	3
303	1 2::P74298_tr P74298	160	24436	5	5	3
303	1 2::P74298_tr P74298	160	24436	5	5	3
303	1 2::P74298_tr P74298	160	24436	5	5	3
304	1 2::P73264_tr P73264	159	41818	3	3	2
304	1 2::P73264_tr P73264	159	41818	3	3	2
304	1 2::P73264_tr P73264	159	41818	3	3	2
305	1 2::P74428_tr P74428	158	18296	3	3	3
305	1 2::P74428_tr P74428	158	18296	3	3	3
305	1 2::P74428_tr P74428	158	18296	3	3	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
306	1 2::GLNB_S\ sp Q55247	158	12390	6	6	3
307	1 2::P72668_tr P72668	156	41688	5	5	4
307	1 2::P72668_tr P72668	156	41688	5	5	4

307	1 2::P72668_ tr P72668	156	41688	5	5	4
307	1 2::P72668_ tr P72668	156	41688	5	5	4
307	1 2::P72668_ tr P72668	156	41688	5	5	4
308	1 2::P74721_ tr P74721	155	36301	2	2	2
308	1 2::P74721_ tr P74721	155	36301	2	2	2
309	1 2::RPOA_S\ sp P73297	155	35096	3	3	3
309	1 2::RPOA_S\ sp P73297	155	35096	3	3	3
309	1 2::RPOA_S\ sp P73297	155	35096	3	3	3
310	1 2::P72938_ tr P72938	153	196415	3	3	2
310	1 2::P72938_ tr P72938	153	196415	3	3	2
310	1 2::P72938_ tr P72938	153	196415	3	3	2
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
311	1 2::RS11_SY sp P73298	152	13810	6	6	4
312	1 2::DHAS_S\ sp Q55512	152	36903	4	4	4
312	1 2::DHAS_S\ sp Q55512	152	36903	4	4	4
312	1 2::DHAS_S\ sp Q55512	152	36903	4	4	4
312	1 2::DHAS_S\ sp Q55512	152	36903	4	4	4
313	1 2::P72586_ tr P72586	150	41422	5	5	3
313	1 2::P72586_ tr P72586	150	41422	5	5	3
313	1 2::P72586_ tr P72586	150	41422	5	5	3
313	1 2::P72586_ tr P72586	150	41422	5	5	3
313	1 2::P72586_ tr P72586	150	41422	5	5	3
314	1 2::P73887_ tr P73887	149	37278	5	5	4
314	1 2::P73887_ tr P73887	149	37278	5	5	4
314	1 2::P73887_ tr P73887	149	37278	5	5	4
314	1 2::P73887_ tr P73887	149	37278	5	5	4
314	1 2::P73887_ tr P73887	149	37278	5	5	4
315	1 2::Q55199_ tr Q55199	148	40055	3	3	1
315	1 2::Q55199_ tr Q55199	148	40055	3	3	1
315	1 2::Q55199_ tr Q55199	148	40055	3	3	1
316	1 2::CPCF_S\ sp P72652	148	23279	5	5	2
316	1 2::CPCF_S\ sp P72652	148	23279	5	5	2
316	1 2::CPCF_S\ sp P72652	148	23279	5	5	2
316	1 2::CPCF_S\ sp P72652	148	23279	5	5	2
316	1 2::CPCF_S\ sp P72652	148	23279	5	5	2
317	1 2::SURE_S\ sp P74709	148	30674	4	4	2
317	1 2::SURE_S\ sp P74709	148	30674	4	4	2
317	1 2::SURE_S\ sp P74709	148	30674	4	4	2
317	1 2::SURE_S\ sp P74709	148	30674	4	4	2
318	1 2::P73504_ tr P73504	148	33237	3	3	2
318	1 2::P73504_ tr P73504	148	33237	3	3	2
318	1 2::P73504_ tr P73504	148	33237	3	3	2
319	1 2::P73991_ tr P73991	146	26648	4	4	2
319	1 2::P73991_ tr P73991	146	26648	4	4	2

319	1 2::P73991_ tr P73991	146	26648	4	4	2
319	1 2::P73991_ tr P73991	146	26648	4	4	2
320	1 2::THIC_SY sp Q55894	146	51504	4	4	4
320	1 2::THIC_SY sp Q55894	146	51504	4	4	4
320	1 2::THIC_SY sp Q55894	146	51504	4	4	4
320	1 2::THIC_SY sp Q55894	146	51504	4	4	4
321	1 2::Y1290_S' sp P72821	145	21823	4	4	3
321	1 2::Y1290_S' sp P72821	145	21823	4	4	3
321	1 2::Y1290_S' sp P72821	145	21823	4	4	3
321	1 2::Y1290_S' sp P72821	145	21823	4	4	3
322	1 2::PYRX_SY sp P72934	145	48487	5	5	5
322	1 2::PYRX_SY sp P72934	145	48487	5	5	5
322	1 2::PYRX_SY sp P72934	145	48487	5	5	5
322	1 2::PYRX_SY sp P72934	145	48487	5	5	5
322	1 2::PYRX_SY sp P72934	145	48487	5	5	5
323	1 2::P72891_ tr P72891	142	22388	3	3	3
323	1 2::P72891_ tr P72891	142	22388	3	3	3
323	1 2::P72891_ tr P72891	142	22388	3	3	3
324	1 2::SELO_SY sp P73436	142	54235	5	5	5
324	1 2::SELO_SY sp P73436	142	54235	5	5	5
324	1 2::SELO_SY sp P73436	142	54235	5	5	5
324	1 2::SELO_SY sp P73436	142	54235	5	5	5
324	1 2::SELO_SY sp P73436	142	54235	5	5	5
325	1 2::P72896_ tr P72896	141	29382	3	3	1
325	1 2::P72896_ tr P72896	141	29382	3	3	1
325	1 2::P72896_ tr P72896	141	29382	3	3	1
326	1 2::P73388_ tr P73388	141	11485	5	5	4
326	1 2::P73388_ tr P73388	141	11485	5	5	4
326	1 2::P73388_ tr P73388	141	11485	5	5	4
326	1 2::P73388_ tr P73388	141	11485	5	5	4
326	1 2::P73388_ tr P73388	141	11485	5	5	4
327	1 2::P74113_ tr P74113	140	19496	3	3	2
327	1 2::P74113_ tr P74113	140	19496	3	3	2
327	1 2::P74113_ tr P74113	140	19496	3	3	2
328	1 2::Y1840_S' sp P73408	139	39605	3	3	2
328	1 2::Y1840_S' sp P73408	139	39605	3	3	2
328	1 2::Y1840_S' sp P73408	139	39605	3	3	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
329	1 2::P74535_ tr P74535	139	78962	7	7	2
330	1 2::CCMK4_ sp P73407	139	11895	5	5	2
330	1 2::CCMK4_ sp P73407	139	11895	5	5	2
330	1 2::CCMK4_ sp P73407	139	11895	5	5	2
330	1 2::CCMK4_ sp P73407	139	11895	5	5	2



330	1 2::CCMK4_ sp P73407	139	11895	5	5	2
331	1 2::P72709_ tr P72709	137	19172	3	3	2
331	1 2::P72709_ tr P72709	137	19172	3	3	2
331	1 2::P72709_ tr P72709	137	19172	3	3	2
332	1 2::SLAP_SY sp P73817	136	178153	3	3	3
332	1 2::SLAP_SY sp P73817	136	178153	3	3	3
332	1 2::SLAP_SY sp P73817	136	178153	3	3	3
333	1 2::P73654_ tr P73654	136	8518	5	5	3
333	1 2::P73654_ tr P73654	136	8518	5	5	3
333	1 2::P73654_ tr P73654	136	8518	5	5	3
333	1 2::P73654_ tr P73654	136	8518	5	5	3
333	1 2::P73654_ tr P73654	136	8518	5	5	3
334	1 2::P73083_ tr P73083	135	22705	6	6	4
334	1 2::P73083_ tr P73083	135	22705	6	6	4
334	1 2::P73083_ tr P73083	135	22705	6	6	4
334	1 2::P73083_ tr P73083	135	22705	6	6	4
334	1 2::P73083_ tr P73083	135	22705	6	6	4
334	1 2::P73083_ tr P73083	135	22705	6	6	4
335	1 2::FTRC_SY sp Q55389	134	13780	3	3	1
335	1 2::FTRC_SY sp Q55389	134	13780	3	3	1
335	1 2::FTRC_SY sp Q55389	134	13780	3	3	1
336	1 2::P73818_ tr P73818	134	27621	4	4	2
336	1 2::P73818_ tr P73818	134	27621	4	4	2
336	1 2::P73818_ tr P73818	134	27621	4	4	2
336	1 2::P73818_ tr P73818	134	27621	4	4	2
337	1 2::KATG_SY sp P73911	134	84621	2	2	1
337	1 2::KATG_SY sp P73911	134	84621	2	2	1
338	1 2::PUR1_SY sp Q55621	133	54206	4	4	3
338	1 2::PUR1_SY sp Q55621	133	54206	4	4	3
338	1 2::PUR1_SY sp Q55621	133	54206	4	4	3
338	1 2::PUR1_SY sp Q55621	133	54206	4	4	3
339	1 2::P73272_ tr P73272	133	38908	4	4	4
339	1 2::P73272_ tr P73272	133	38908	4	4	4
339	1 2::P73272_ tr P73272	133	38908	4	4	4
339	1 2::P73272_ tr P73272	133	38908	4	4	4
340	1 2::Q6ZEX6_ tr Q6ZEX6	130	11804	4	4	1
340	1 2::Q6ZEX6_ tr Q6ZEX6	130	11804	4	4	1
340	1 2::Q6ZEX6_ tr Q6ZEX6	130	11804	4	4	1
340	1 2::Q6ZEX6_ tr Q6ZEX6	130	11804	4	4	1
341	1 2::P73766_ tr P73766	130	13810	4	4	3
341	1 2::P73766_ tr P73766	130	13810	4	4	3
341	1 2::P73766_ tr P73766	130	13810	4	4	3
341	1 2::P73766_ tr P73766	130	13810	4	4	3
342	1 2::FOLD_SY sp Q55626	130	31151	3	3	3
342	1 2::FOLD_SY sp Q55626	130	31151	3	3	3
342	1 2::FOLD_SY sp Q55626	130	31151	3	3	3
343	1 2::P73988_ tr P73988	129	23810	2	2	1
343	1 2::P73988_ tr P73988	129	23810	2	2	1

344	1 2::P74580_ tr P74580	128	9903	4	4	4
344	1 2::P74580_ tr P74580	128	9903	4	4	4
344	1 2::P74580_ tr P74580	128	9903	4	4	4
344	1 2::P74580_ tr P74580	128	9903	4	4	4
345	1 2::Y335_SY sp Q55587	127	53927	5	5	3
345	1 2::Y335_SY sp Q55587	127	53927	5	5	3
345	1 2::Y335_SY sp Q55587	127	53927	5	5	3
345	1 2::Y335_SY sp Q55587	127	53927	5	5	3
345	1 2::Y335_SY sp Q55587	127	53927	5	5	3
346	1 2::P72757_ tr P72757	124	25270	3	3	1
346	1 2::P72757_ tr P72757	124	25270	3	3	1
346	1 2::P72757_ tr P72757	124	25270	3	3	1
347	1 2::LGUL_SY sp Q55595	124	14769	4	4	4
347	1 2::LGUL_SY sp Q55595	124	14769	4	4	4
347	1 2::LGUL_SY sp Q55595	124	14769	4	4	4
347	1 2::LGUL_SY sp Q55595	124	14769	4	4	4
348	1 2::P73454_ tr P73454	123	24437	2	2	2
348	1 2::P73454_ tr P73454	123	24437	2	2	2
349	1 2::TRMD_SY sp P72828	122	26104	2	2	2
349	1 2::TRMD_SY sp P72828	122	26104	2	2	2
350	1 2::P73488_ tr P73488	122	12982	4	4	3
350	1 2::P73488_ tr P73488	122	12982	4	4	3
350	1 2::P73488_ tr P73488	122	12982	4	4	3
350	1 2::P73488_ tr P73488	122	12982	4	4	3
351	1 2::KPRS_SY sp Q55848	122	36658	2	2	2
351	1 2::KPRS_SY sp Q55848	122	36658	2	2	2
352	1 2::P73704_ tr P73704	122	17677	2	2	2
352	1 2::P73704_ tr P73704	122	17677	2	2	2
353	1 2::RL1_SYN sp P36236	122	25836	4	4	4
353	1 2::RL1_SYN sp P36236	122	25836	4	4	4
353	1 2::RL1_SYN sp P36236	122	25836	4	4	4
353	1 2::RL1_SYN sp P36236	122	25836	4	4	4
354	1 2::ASGX_SY sp P74383	120	35101	3	3	1
354	1 2::ASGX_SY sp P74383	120	35101	3	3	1
354	1 2::ASGX_SY sp P74383	120	35101	3	3	1
355	1 2::P74720_ tr P74720	120	18076	3	3	3
355	1 2::P74720_ tr P74720	120	18076	3	3	3
355	1 2::P74720_ tr P74720	120	18076	3	3	3
356	1 2::P72746_ tr P72746	120	97035	3	3	3
356	1 2::P72746_ tr P72746	120	97035	3	3	3
356	1 2::P72746_ tr P72746	120	97035	3	3	3
357	1 2::PYRF_SY sp P73761	120	24917	3	3	2
357	1 2::PYRF_SY sp P73761	120	24917	3	3	2
357	1 2::PYRF_SY sp P73761	120	24917	3	3	2
358	1 2::Q6ZEA9_ tr Q6ZEA9	119	42184	2	2	2
358	1 2::Q6ZEA9_ tr Q6ZEA9	119	42184	2	2	2
359	1 2::Y328_SY sp Q55535	117	17744	3	3	1
359	1 2::Y328_SY sp Q55535	117	17744	3	3	1

359	1 2::Y328_SY sp Q55535	117	17744	3	3	1
360	1 2::ISPG_SY sp P73672	117	44490	3	3	3
360	1 2::ISPG_SY sp P73672	117	44490	3	3	3
360	1 2::ISPG_SY sp P73672	117	44490	3	3	3
361	1 2::PDXA_SY sp Q55982	117	37430	1	1	1
362	1 2::P73422_tr P73422	116	32511	2	2	2
362	1 2::P73422_tr P73422	116	32511	2	2	2
363	1 2::P73570_tr P73570	116	22050	2	2	2
363	1 2::P73570_tr P73570	116	22050	2	2	2
364	1 2::CHLP_SY sp Q55087	114	45139	2	2	2
364	1 2::CHLP_SY sp Q55087	114	45139	2	2	2
365	1 2::P73344_tr P73344	114	47972	3	3	2
365	1 2::P73344_tr P73344	114	47972	3	3	2
365	1 2::P73344_tr P73344	114	47972	3	3	2
366	1 2::RIMO_SY sp Q55803	113	49730	2	2	1
366	1 2::RIMO_SY sp Q55803	113	49730	2	2	1
367	1 2::P74675_tr P74675	112	34793	2	2	1
367	1 2::P74675_tr P74675	112	34793	2	2	1
368	1 2::Q55144_tr Q55144	112	17963	3	3	2
368	1 2::Q55144_tr Q55144	112	17963	3	3	2
368	1 2::Q55144_tr Q55144	112	17963	3	3	2
369	1 2::FOLB_SY sp P74342	111	13195	2	2	1
369	1 2::FOLB_SY sp P74342	111	13195	2	2	1
370	1 2::RL24_SY sp P73309	111	12872	4	4	4
370	1 2::RL24_SY sp P73309	111	12872	4	4	4
370	1 2::RL24_SY sp P73309	111	12872	4	4	4
370	1 2::RL24_SY sp P73309	111	12872	4	4	4
371	1 2::YC66L_S sp Q55823	111	37668	3	3	2
371	1 2::YC66L_S sp Q55823	111	37668	3	3	2
371	1 2::YC66L_S sp Q55823	111	37668	3	3	2
372	1 2::CYF_SYN sp P26287	111	35323	1	1	1
373	1 2::P74515_tr P74515	111	44387	3	3	3
373	1 2::P74515_tr P74515	111	44387	3	3	3
373	1 2::P74515_tr P74515	111	44387	3	3	3
374	1 2::P74443_tr P74443	109	29923	3	3	3
374	1 2::P74443_tr P74443	109	29923	3	3	3
374	1 2::P74443_tr P74443	109	29923	3	3	3
375	1 2::P74746_tr P74746	109	36198	2	2	1
375	1 2::P74746_tr P74746	109	36198	2	2	1
376	1 2::Q55972_tr Q55972	109	44652	2	2	1
376	1 2::Q55972_tr Q55972	109	44652	2	2	1
377	1 2::PURQ_S' sp Q55843	108	24641	3	3	3
377	1 2::PURQ_S' sp Q55843	108	24641	3	3	3
377	1 2::PURQ_S' sp Q55843	108	24641	3	3	3
378	1 2::6PGL_SY sp P74618	107	26523	2	2	1
378	1 2::6PGL_SY sp P74618	107	26523	2	2	1
379	1 2::P72985_tr P72985	107	17119	2	2	2
379	1 2::P72985_tr P72985	107	17119	2	2	2

380	1 2::P72903_ tr P72903	107	37871	5	5	3
380	1 2::P72903_ tr P72903	107	37871	5	5	3
380	1 2::P72903_ tr P72903	107	37871	5	5	3
380	1 2::P72903_ tr P72903	107	37871	5	5	3
380	1 2::P72903_ tr P72903	107	37871	5	5	3
381	1 2::THIO_SY sp P52231	106	11855	3	3	2
381	1 2::THIO_SY sp P52231	106	11855	3	3	2
381	1 2::THIO_SY sp P52231	106	11855	3	3	2
382	1 2::Q55514_ tr Q55514	105	26819	3	3	2
382	1 2::Q55514_ tr Q55514	105	26819	3	3	2
382	1 2::Q55514_ tr Q55514	105	26819	3	3	2
383	1 2::P72923_ tr P72923	104	39428	2	2	2
383	1 2::P72923_ tr P72923	104	39428	2	2	2
384	1 2::P73813_ tr P73813	104	21987	2	2	2
384	1 2::P73813_ tr P73813	104	21987	2	2	2
385	1 2::YC64L_S sp P73056	103	11989	3	3	1
385	1 2::YC64L_S sp P73056	103	11989	3	3	1
385	1 2::YC64L_S sp P73056	103	11989	3	3	1
386	1 2::P73677_ tr P73677	102	37337	1	1	1
387	1 2::P73020_ tr P73020	102	149088	3	3	1
387	1 2::P73020_ tr P73020	102	149088	3	3	1
387	1 2::P73020_ tr P73020	102	149088	3	3	1
388	1 2::DNAK1_ξ sp Q55154	102	75303	3	3	2
388	1 2::DNAK1_ξ sp Q55154	102	75303	3	3	2
388	1 2::DNAK1_ξ sp Q55154	102	75303	3	3	2
389	1 2::YC48L_S sp P73069	102	37382	3	3	2
389	1 2::YC48L_S sp P73069	102	37382	3	3	2
389	1 2::YC48L_S sp P73069	102	37382	3	3	2
390	1 2::TRPA_SY sp P77960	101	28177	2	2	2
390	1 2::TRPA_SY sp P77960	101	28177	2	2	2
391	1 2::P72924_ tr P72924	101	43230	1	1	1
392	1 2::P73093_ tr P73093	100	27432	3	3	2
392	1 2::P73093_ tr P73093	100	27432	3	3	2
392	1 2::P73093_ tr P73093	100	27432	3	3	2
393	1 2::SYC_SYN sp P74330	100	54219	3	3	2
393	1 2::SYC_SYN sp P74330	100	54219	3	3	2
393	1 2::SYC_SYN sp P74330	100	54219	3	3	2
394	1 2::P74609_ tr P74609	99	11438	2	2	1
394	1 2::P74609_ tr P74609	99	11438	2	2	1
395	1 2::Q55735_ tr Q55735	99	23059	3	3	2
395	1 2::Q55735_ tr Q55735	99	23059	3	3	2
395	1 2::Q55735_ tr Q55735	99	23059	3	3	2
396	1 2::P73598_ tr P73598	99	33092	3	3	2
396	1 2::P73598_ tr P73598	99	33092	3	3	2
396	1 2::P73598_ tr P73598	99	33092	3	3	2
397	1 2::GLYA_SY sp P77962	99	46516	2	2	2
397	1 2::GLYA_SY sp P77962	99	46516	2	2	2
398	1 2::ILVH_SYI sp Q55141	99	18916	1	1	1

399	1 2::FABF_SY sp P73283	98	44489	2	2	2
399	1 2::FABF_SY sp P73283	98	44489	2	2	2
400	1 2::DDL_SY sp P73632	97	39091	2	2	2
400	1 2::DDL_SY sp P73632	97	39091	2	2	2
401	1 2::P74073_tr P74073	96	21593	3	3	2
401	1 2::P74073_tr P74073	96	21593	3	3	2
401	1 2::P74073_tr P74073	96	21593	3	3	2
402	1 2::Q6ZED6_tr Q6ZED6	96	42564	3	3	2
402	1 2::Q6ZED6_tr Q6ZED6	96	42564	3	3	2
402	1 2::Q6ZED6_tr Q6ZED6	96	42564	3	3	2
403	1 2::P74722_tr P74722	95	29789	5	5	4
403	1 2::P74722_tr P74722	95	29789	5	5	4
403	1 2::P74722_tr P74722	95	29789	5	5	4
403	1 2::P74722_tr P74722	95	29789	5	5	4
403	1 2::P74722_tr P74722	95	29789	5	5	4
404	1 2::ATPA_SY sp P27179	95	54046	2	2	2
404	1 2::ATPA_SY sp P27179	95	54046	2	2	2
405	1 2::LEU1_SY sp P48576	94	57549	1	1	1
406	1 2::P74150_tr P74150	93	29009	3	3	3
406	1 2::P74150_tr P74150	93	29009	3	3	3
406	1 2::P74150_tr P74150	93	29009	3	3	3
407	1 2::MURQ_S sp P73585	93	32389	2	2	2
407	1 2::MURQ_S sp P73585	93	32389	2	2	2
408	1 2::P74375_tr P74375	91	63325	1	1	1
409	1 2::ACCD_S' sp Q57417	91	36715	2	2	1
409	1 2::ACCD_S' sp Q57417	91	36715	2	2	1
410	1 2::P73921_tr P73921	91	15993	3	3	1
410	1 2::P73921_tr P73921	91	15993	3	3	1
410	1 2::P73921_tr P73921	91	15993	3	3	1
411	1 2::ISPH_SY sp Q55643	91	42673	1	1	1
412	1 2::P74344_tr P74344	90	43074	2	2	1
412	1 2::P74344_tr P74344	90	43074	2	2	1
413	1 2::Q55660_tr Q55660	90	17725	2	2	1
413	1 2::Q55660_tr Q55660	90	17725	2	2	1
414	1 2::FMT_SY sp Q55163	90	36147	3	3	2
414	1 2::FMT_SY sp Q55163	90	36147	3	3	2
414	1 2::FMT_SY sp Q55163	90	36147	3	3	2
415	1 2::P74492_tr P74492	89	32081	3	3	2
415	1 2::P74492_tr P74492	89	32081	3	3	2
415	1 2::P74492_tr P74492	89	32081	3	3	2
416	1 2::Q55492_tr Q55492	88	31572	2	2	1
416	1 2::Q55492_tr Q55492	88	31572	2	2	1
417	1 2::EFTS_SY sp P74070	88	24387	2	2	2
417	1 2::EFTS_SY sp P74070	88	24387	2	2	2
418	1 2::Q55413_tr Q55413	88	70417	2	2	1
418	1 2::Q55413_tr Q55413	88	70417	2	2	1
419	1 2::PURA_SY sp P73290	88	49332	1	1	1
420	1 2::P74322_tr P74322	88	26409	3	3	3

420	1 2::P74322_ tr  P74322	88	26409	3	3	3
420	1 2::P74322_ tr  P74322	88	26409	3	3	3
421	1 2::P74390_ tr  P74390	88	48557	2	2	2
421	1 2::P74390_ tr  P74390	88	48557	2	2	2
422	1 2::GPDA_SY sp  P73033	87	33604	1	1	1
423	1 2::Q55436_ tr  Q55436	86	31999	2	2	1
423	1 2::Q55436_ tr  Q55436	86	31999	2	2	1
424	1 2::LPXA_SY sp  Q55746	86	30155	1	1	1
425	1 2::P72887_ tr  P72887	86	21157	2	2	2
425	1 2::P72887_ tr  P72887	86	21157	2	2	2
426	1 2::Q55477_ tr  Q55477	85	65952	3	3	3
426	1 2::Q55477_ tr  Q55477	85	65952	3	3	3
426	1 2::Q55477_ tr  Q55477	85	65952	3	3	3
427	1 2::CYSK_SY sp  P73410	85	33267	4	4	3
427	1 2::CYSK_SY sp  P73410	85	33267	4	4	3
427	1 2::CYSK_SY sp  P73410	85	33267	4	4	3
427	1 2::CYSK_SY sp  P73410	85	33267	4	4	3
428	1 2::P73941_ tr  P73941	84	17116	5	5	2
428	1 2::P73941_ tr  P73941	84	17116	5	5	2
428	1 2::P73941_ tr  P73941	84	17116	5	5	2
428	1 2::P73941_ tr  P73941	84	17116	5	5	2
428	1 2::P73941_ tr  P73941	84	17116	5	5	2
429	1 2::P72937_ tr  P72937	84	32884	3	3	2
429	1 2::P72937_ tr  P72937	84	32884	3	3	2
429	1 2::P72937_ tr  P72937	84	32884	3	3	2
430	1 2::SEPF_SY sp  P73376	84	20578	2	2	1
430	1 2::SEPF_SY sp  P73376	84	20578	2	2	1
431	1 2::P73166_ tr  P73166	84	10279	3	3	2
431	1 2::P73166_ tr  P73166	84	10279	3	3	2
431	1 2::P73166_ tr  P73166	84	10279	3	3	2
432	1 2::Q6ZEJ2_ tr  Q6ZEJ2	84	12133	1	1	1
433	1 2::P73706_ tr  P73706	83	23332	2	2	1
433	1 2::P73706_ tr  P73706	83	23332	2	2	1
434	1 2::P73513_ tr  P73513	83	20838	1	1	1
435	1 2::P73089_ tr  P73089	82	205609	2	2	1
435	1 2::P73089_ tr  P73089	82	205609	2	2	1
436	1 2::Q55582_ tr  Q55582	82	308778	2	2	2
436	1 2::Q55582_ tr  Q55582	82	308778	2	2	2
437	1 2::Q55531_ tr  Q55531	82	18713	2	2	1
437	1 2::Q55531_ tr  Q55531	82	18713	2	2	1
438	1 2::P73637_ tr  P73637	82	30145	2	2	1
438	1 2::P73637_ tr  P73637	82	30145	2	2	1
439	1 2::P73338_ tr  P73338	82	28936	2	2	2
439	1 2::P73338_ tr  P73338	82	28936	2	2	2
440	1 2::LAADH_ξ sp  Q55629	82	51771	2	2	1
440	1 2::LAADH_ξ sp  Q55629	82	51771	2	2	1
441	1 2::AAR_SYN sp  Q55687	81	38082	3	3	3
441	1 2::AAR_SYN sp  Q55687	81	38082	3	3	3

441	1 2::AAR_SY\sp Q55687	81	38082	3	3	3
442	1 2::MSRA1_\\$sp P72622	81	24422	1	1	1
443	1 2::P73476_\_tr P73476	80	36257	2	2	2
443	1 2::P73476_\_tr P73476	80	36257	2	2	2
444	1 2::P73158_\_tr P73158	80	27087	2	2	1
444	1 2::P73158_\_tr P73158	80	27087	2	2	1
445	1 2::Y229_SY\sp Q55702	80	30254	1	1	1
446	1 2::Q55689_\_tr Q55689	80	42948	2	2	1
446	1 2::Q55689_\_tr Q55689	80	42948	2	2	1
447	1 2::CBIX_SY\sp Q55451	80	38600	3	3	1
447	1 2::CBIX_SY\sp Q55451	80	38600	3	3	1
447	1 2::CBIX_SY\sp Q55451	80	38600	3	3	1
448	1 2::ACKA_SY\sp P73162	79	45075	3	3	3
448	1 2::ACKA_SY\sp P73162	79	45075	3	3	3
448	1 2::ACKA_SY\sp P73162	79	45075	3	3	3
449	1 2::P74171_\_tr P74171	78	26197	3	3	2
449	1 2::P74171_\_tr P74171	78	26197	3	3	2
449	1 2::P74171_\_tr P74171	78	26197	3	3	2
450	1 2::P73679_\_tr P73679	78	44428	2	2	1
450	1 2::P73679_\_tr P73679	78	44428	2	2	1
451	1 2::P73611_\_tr P73611	78	15886	1	1	1
452	1 2::P72611_\_tr P72611	78	34177	2	2	2
452	1 2::P72611_\_tr P72611	78	34177	2	2	2
453	1 2::P72707_\_tr P72707	77	32980	1	1	1
454	1 2::AAT_SY\sp Q55128	77	42611	2	2	2
454	1 2::AAT_SY\sp Q55128	77	42611	2	2	2
455	1 2::P72688_\_tr P72688	77	51356	1	1	1
456	1 2::Q55361_\_tr Q55361	76	47798	1	1	1
457	1 2::RS10_SY\sp P74226	76	12144	2	2	2
457	1 2::RS10_SY\sp P74226	76	12144	2	2	2
458	1 2::Q55409_\_tr Q55409	75	14660	1	1	1
459	1 2::Q6ZEP9_\_tr Q6ZEP9	75	31150	2	2	1
459	1 2::Q6ZEP9_\_tr Q6ZEP9	75	31150	2	2	1
460	1 2::GATB_SY\sp P74215	75	55025	2	2	1
460	1 2::GATB_SY\sp P74215	75	55025	2	2	1
461	1 2::P74474_\_tr P74474	75	44402	1	1	1
462	1 2::ARGB_SY\sp P73326	74	31734	2	2	2
462	1 2::ARGB_SY\sp P73326	74	31734	2	2	2
463	1 2::P74305_\_tr P74305	74	59608	2	2	2
463	1 2::P74305_\_tr P74305	74	59608	2	2	2
464	1 2::Y1459_S'\sp P73440	74	25119	2	2	2
464	1 2::Y1459_S'\sp P73440	74	25119	2	2	2
465	1 2::ARSC_SY\sp P74313	73	14719	2	2	1
465	1 2::ARSC_SY\sp P74313	73	14719	2	2	1
466	1 2::NRTC_SY\sp P73450	73	75452	3	3	2
466	1 2::NRTC_SY\sp P73450	73	75452	3	3	2
466	1 2::NRTC_SY\sp P73450	73	75452	3	3	2
467	1 2::Y3122_S'\sp P73055	73	9040	1	1	1

468	1 2::P73282_tr P73282	73	72022	1	1	1
469	1 2::Q6ZE62_tr Q6ZE62	73	79027	1	1	1
470	1 2::ACSA_SY sp Q55404	72	73462	1	1	1
471	1 2::P74610_tr P74610	72	18220	2	2	2
471	1 2::P74610_tr P74610	72	18220	2	2	2
472	1 1::P13645 SWISS-PRC	72	59703	2	2	2
472	1 1::P13645 SWISS-PRC	72	59703	2	2	2
473	1 2::P72890_tr P72890	71	33082	2	2	2
473	1 2::P72890_tr P72890	71	33082	2	2	2
474	1 2::P74718_tr P74718	71	38788	1	1	1
475	1 2::Q55571_tr Q55571	71	28138	1	1	1
476	1 2::Y94X_SY sp P77971	71	18368	4	4	1
476	1 2::Y94X_SY sp P77971	71	18368	4	4	1
476	1 2::Y94X_SY sp P77971	71	18368	4	4	1
476	1 2::Y94X_SY sp P77971	71	18368	4	4	1
477	1 2::GLMS_S' sp P72720	70	69848	1	1	1
478	1 2::Q6ZEB1_tr Q6ZEB1	68	30138	2	2	2
478	1 2::Q6ZEB1_tr Q6ZEB1	68	30138	2	2	2
479	1 2::Q55539_tr Q55539	68	21097	1	1	1
480	1 2::CPHB_S' sp P73832	68	29542	1	1	1
481	1 2::P74116_tr P74116	67	8949	2	2	1
481	1 2::P74116_tr P74116	67	8949	2	2	1
482	1 2::P73762_tr P73762	67	32886	2	2	2
482	1 2::P73762_tr P73762	67	32886	2	2	2
483	1 2::DEOC_S' sp P73618	66	24145	2	2	2
483	1 2::DEOC_S' sp P73618	66	24145	2	2	2
484	1 2::Q55615_tr Q55615	66	12844	1	1	1
485	1 2::RS8_SYN sp P73307	66	14771	1	1	1
486	1 2::APCD_S' sp P72870	65	17969	2	2	2
486	1 2::APCD_S' sp P72870	65	17969	2	2	2
487	1 2::P74349_tr P74349	65	47926	1	1	1
488	1 2::Y1019_S' sp P73125	65	33388	1	1	1
489	1 2::P72739_tr P72739	65	25076	1	1	1
490	1 2::DHOM_S sp P52986	64	45800	1	1	1
491	1 2::Q6YRV4_tr Q6YRV4	64	129398	3	3	2
491	1 2::Q6YRV4_tr Q6YRV4	64	129398	3	3	2
491	1 2::Q6YRV4_tr Q6YRV4	64	129398	3	3	2
492	1 2::Q55155_tr Q55155	64	75692	2	2	2
492	1 2::Q55155_tr Q55155	64	75692	2	2	2
493	1 2::P74484_tr P74484	64	25602	2	2	2
493	1 2::P74484_tr P74484	64	25602	2	2	2
494	1 2::RS1A_SY sp P73530	64	36547	1	1	1
495	1 2::Q55171_tr Q55171	63	14385	2	2	1
495	1 2::Q55171_tr Q55171	63	14385	2	2	1
496	1 2::PRMA_S' sp P73820	63	34133	1	1	1
497	1 2::P73173_tr P73173	63	103173	1	1	1
498	1 2::HIS4_SY sp P74561	63	27448	1	1	1
499	1 2::P72952_tr P72952	63	27308	1	1	1



500	1 2::P74379_ tr  P74379	63	14770	1	1	1
501	1 2::PDX_SY sp  P72776	62	26559	1	1	1
502	1 2::P74570_ tr  P74570	62	37741	2	2	2
502	1 2::P74570_ tr  P74570	62	37741	2	2	2
503	1 2::HEM6_S' sp  P72848	62	39198	2	2	2
503	1 2::HEM6_S' sp  P72848	62	39198	2	2	2
504	1 2::P72786_ tr  P72786	62	16458	1	1	1
505	1 2::ASSY_SY sp  P77973	62	44628	2	2	2
505	1 2::ASSY_SY sp  P77973	62	44628	2	2	2
506	1 2::GLMU_S' sp  Q55504	62	49292	2	2	2
506	1 2::GLMU_S' sp  Q55504	62	49292	2	2	2
507	1 2::Q55443_ tr  Q55443	62	153351	1	1	1
508	1 2::P74542_ tr  P74542	62	31877	2	2	2
508	1 2::P74542_ tr  P74542	62	31877	2	2	2
509	1 2::RBS_SYN sp  P54206	61	13402	1	1	1
510	1 2::PFKA2_S sp  Q55988	61	42189	2	2	2
510	1 2::PFKA2_S sp  Q55988	61	42189	2	2	2
511	1 2::KAD1_SY sp  P73302	61	20239	1	1	1
512	1 2::P74708_ tr  P74708	60	22084	2	2	2
512	1 2::P74708_ tr  P74708	60	22084	2	2	2
513	1 2::Q55712_ tr  Q55712	60	35573	1	1	1
514	1 2::Q55780_ tr  Q55780	60	29910	1	1	1
515	1 2::P73995_ tr  P73995	60	17983	2	2	2
515	1 2::P73995_ tr  P73995	60	17983	2	2	2
516	1 2::P74654_ tr  P74654	59	45810	2	2	2
516	1 2::P74654_ tr  P74654	59	45810	2	2	2
517	1 2::DRGA_S' sp  Q55233	58	23859	2	2	1
517	1 2::DRGA_S' sp  Q55233	58	23859	2	2	1
518	1 2::Y259_SY sp  P74458	58	8158	2	2	2
518	1 2::Y259_SY sp  P74458	58	8158	2	2	2
519	1 2::P72808_ tr  P72808	58	32550	2	2	2
519	1 2::P72808_ tr  P72808	58	32550	2	2	2
520	1 2::P73697_ tr  P73697	58	19112	1	1	1
521	1 2::P73084_ tr  P73084	57	15754	1	1	1
522	1 2::HIS2_SY sp  P74755	57	24215	1	1	1
523	1 2::Q55614_ tr  Q55614	56	41226	1	1	1
524	1 2::SUBI_SY sp  Q01903	56	38161	1	1	1
525	1 2::P73416_ tr  P73416	55	15192	1	1	1
526	1 2::P74656_ tr  P74656	55	26721	1	1	1
527	1 2::P72691_ tr  P72691	55	83848	1	1	1
528	1 2::RF2_SYN sp  P74476	54	41848	1	1	1
529	1 2::P73909_ tr  P73909	54	25264	1	1	1
530	1 2::Y451_SY sp  P74676	54	17715	1	1	1
531	1 2::Q55390_ tr  Q55390	53	38360	1	1	1
532	1 2::Q6ZEQ0_ tr  Q6ZEQ0	53	30173	1	1	1
533	1 2::OPCA_S' sp  P73720	53	52628	1	1	1
534	1 2::PHAB_SY sp  P73826	53	25317	2	2	2
534	1 2::PHAB_SY sp  P73826	53	25317	2	2	2

535	1 2::DAPAT_S sp Q55828	52	45402	1	1	1
536	1 2::P72857_ tr P72857	52	15574	1	1	1
537	1 2::MURB_S' sp P74529	52	34793	1	1	1
538	1 2::OCP_SY sp P74102	52	34808	2	2	1
538	1 2::OCP_SY sp P74102	52	34808	2	2	1
539	1 2::Q55616_ tr Q55616	51	12815	1	1	1
540	1 2::IPYR_SY sp P80507	51	19304	1	1	1
541	1 2::Q6ZEJ4_ tr Q6ZEJ4	51	8727	2	2	2
541	1 2::Q6ZEJ4_ tr Q6ZEJ4	51	8727	2	2	2
542	1 2::6PGD_S sp P52208	51	53068	1	1	1
543	1 2::PURL_SY sp P72644	51	82465	1	1	1
544	1 2::P74447_ tr P74447	50	20954	1	1	1
545	1 1::P62894 SWISS-PRC	50	11810	1	1	1
546	1 2::P74584_ tr P74584	50	20554	1	1	1
547	1 2::ZAM_SY sp Q46363	50	88115	2	2	1
547	1 2::ZAM_SY sp Q46363	50	88115	2	2	1
548	1 2::P74490_ tr P74490	50	38419	1	1	1
549	1 2::P73466_ tr P73466	50	19574	2	2	2
549	1 2::P73466_ tr P73466	50	19574	2	2	2
550	1 2::P73155_ tr P73155	50	26315	1	1	1
551	1 2::P73742_ tr P73742	49	22643	1	1	1
552	1 2::Q55606_ tr Q55606	49	12658	2	2	1
552	1 2::Q55606_ tr Q55606	49	12658	2	2	1
553	1 2::P74001_ tr P74001	49	20710	1	1	1
554	1 2::P72738_ tr P72738	49	44026	1	1	1
555	1 2::FABG_SY sp P73574	49	25765	1	1	1
556	1 2::P74189_ tr P74189	49	84704	1	1	1
557	1 2::P72763_ tr P72763	48	46902	1	1	1
558	1 2::P73424_ tr P73424	48	35185	1	1	1
559	1 2::P72961_ tr P72961	48	42805	1	1	1
560	1 2::Y100_SY sp P54984	48	42801	1	1	1
561	1 2::F16PA_S sp P74324	48	38410	1	1	1
562	1 2::P72572_ tr P72572	48	7067	1	1	1
563	1 2::Q6YRS8_ tr Q6YRS8	47	29250	1	1	1
564	1 2::Q6ZEM1_ tr Q6ZEM1	46	56662	1	1	1
565	1 2::P74614_ tr P74614	46	57169	1	1	1
566	1 2::P74066_ tr P74066	46	17198	1	1	1
567	1 2::NADM_S sp Q55928	45	38622	1	1	1
568	1 2::Q55641_ tr Q55641	45	24843	1	1	1
569	1 2::Q6ZEQ1_ tr Q6ZEQ1	45	28672	1	1	1
570	1 2::YZ37_SY sp Q55480	45	35560	1	1	1
571	1 2::P74335_ tr P74335	45	10996	1	1	1
572	1 2::Y1608_S' sp P73001	44	45149	1	1	1
573	1 2::RL14_SY sp P73310	44	13400	1	1	1
574	1 2::Q6YRW9 tr Q6YRW9	44	9011	1	1	1
575	1 2::P74219_ tr P74219	44	12885	1	1	1
576	1 2::P72950_ tr P72950	44	28883	1	1	1
577	1 2::RPOC2_ sp P73334	44	145315	1	1	1

578	1 2::GSA_SY sp Q55665	44	46147	1	1	1
579	1 2::LEU3_SY sp P73960	44	38757	1	1	1
580	1 2::GATA_SY sp P73558	44	51837	1	1	1
581	1 2::PRMC_S' sp P74003	43	33895	1	1	1
582	1 2::PYRD_SY sp P74782	43	41705	1	1	1
583	1 2::P72886_ tr P72886	43	40335	1	1	1
584	1 2::Q55686_ tr Q55686	43	16328	1	1	1
585	1 2::P73609_ tr P73609	43	11982	1	1	1
586	1 2::P72791_ tr P72791	43	94325	1	1	1
587	1 2::Q55802_ tr Q55802	43	30079	1	1	1
588	1 2::P73521_ tr P73521	42	33469	1	1	1
589	1 2::P72719_ tr P72719	42	20478	1	1	1
590	1 2::ILVD_SY sp P74689	42	59008	1	1	1
591	1 2::SSB2_SY sp P73145	41	14456	1	1	1
592	1 2::Q55773_ tr Q55773	41	27499	1	1	1
593	1 2::Q55533_ tr Q55533	41	16996	1	1	1
594	1 2::P74339_ tr P74339	41	51149	1	1	1
595	1 2::Q6ZEG0_ tr Q6ZEG0	41	10223	1	1	1
596	1 2::P74702_ tr P74702	41	75325	1	1	1
597	1 1::P35527 SWISS-PRC	41	62320	1	1	1
598	1 2::METH_SY sp Q55786	41	133425	1	1	1
599	1 2::P74145_ tr P74145	40	27434	1	1	1
600	1 2::P74725_ tr P74725	40	17999	1	1	1
601	1 2::Q55157_ tr Q55157	40	23773	1	1	1
602	1 2::P73603_ tr P73603	40	22049	1	1	1
603	1 2::RNZ_SY sp Q55132	40	36499	1	1	1
604	1 2::P74506_ tr P74506	40	58763	1	1	1
605	1 2::Q6ZED8_ tr Q6ZED8	40	64587	1	1	1
606	1 2::Q55178_ tr Q55178	40	18590	1	1	1
607	1 2::Q79EF9_ tr Q79EF9	40	36224	1	1	1
608	1 2::Q6ZEH0_ tr Q6ZEH0	39	47370	1	1	1
609	1 2::Q55113_ tr Q55113	39	26995	1	1	1
610	1 2::Q55953_ tr Q55953	39	18679	1	1	1
611	1 2::P74094_ tr P74094	39	23244	1	1	1
612	1 2::PPI2_SY sp P73789	39	18694	1	1	1
613	1 2::P72631_ tr P72631	39	64807	1	1	1
614	1 2::PYC1_SY sp Q01950	39	7758	1	1	1
615	1 2::Q55573_ tr Q55573	39	23776	1	1	1
616	1 2::P73913_ tr P73913	38	68257	1	1	1
617	1 2::CUGP_S' sp P74285	38	42969	1	1	1
618	1 2::THIE_SY sp P72965	38	38259	1	1	1
619	1 2::PNP_SY sp P72659	38	77954	1	1	1
620	1 2::P72730_ tr P72730	38	35070	1	1	1
621	1 2::P73557_ tr P73557	38	9385	1	1	1
622	1 2::QUEF_SY sp Q55978	38	16101	1	1	1
623	1 2::P74673_ tr P74673	38	30671	1	1	1
624	1 2::PLAS_SY sp P21697	38	13195	1	1	1
625	1 2::P72754_ tr P72754	37	30550	2	2	1

625	1 2::P72754_tr P72754	37	30550	2	2	1
626	1 2::SPHX_SYsp Q55200	37	36927	1	1	1
627	1 2::FUTA1_Ssp P72827	37	39403	1	1	1
628	1 2::P73542_tr P73542	36	29047	1	1	1
629	1 2::P73928_tr P73928	36	40730	1	1	1
630	1 2::Q55715_tr Q55715	36	29057	1	1	1
631	1 2::P73168_tr P73168	36	35789	1	1	1
632	1 2::TRPC_SYsp Q55508	36	33046	1	1	1
633	1 2::Q55650_tr Q55650	36	35536	1	1	1
634	1 2::P74049_tr P74049	35	19193	1	1	1
635	1 2::LEUC_SYsp P54384	35	50825	1	1	1
636	1 2::ATZN_SYsp Q59998	34	77121	1	1	1
637	1 2::TRML_SYsp P74516	34	17193	1	1	1
638	1 2::P73435_tr P73435	20	8173	1	1	1

prot_seque	prot_cover	pep_query	pep_rank	pep_isbold	pep_isunique	pep_exp_m	pep_exp_m	pep_exp_z
147	27,5	1463	1	1	1	423,7264	845,4381	2
147	27,5	1577	1	1	1	426,7324	851,4503	2
147	27,5	1580	1	1	1	426,7329	851,4513	2
147	27,5	1584	1	1	1	426,7332	851,4519	2
147	27,5	1596	1	1	1	426,7348	851,4551	2
147	27,5	2535	1	1	1	444,7428	887,471	2
147	27,5	2536	1	1	1	444,7428	887,471	2
147	27,5	4400	1	1	1	469,265	936,5155	2
147	27,5	6604	1	1	1	487,7617	973,5088	2
147	27,5	6606	1	1	1	487,7623	973,51	2
147	27,5	7505	1	1	1	495,2625	988,5105	2
147	27,5	8260	1	1	1	501,2852	1000,556	2
147	27,5	8262	1	1	1	501,2856	1000,557	2
147	27,5	8265	1	1	1	501,2859	1000,557	2
147	27,5	10518	1	1	1	516,2663	1030,518	2
147	27,5	10533	1	1	1	516,2694	1030,524	2
147	27,5	11133	1	1	1	519,7314	1037,448	2
147	27,5	13921	1	1	1	537,2972	1072,58	2
147	27,5	13925	1	1	1	537,2985	1072,582	2
147	27,5	14980	1	1	1	545,2724	1088,53	2
147	27,5	18439	1	1	1	564,782	1127,549	2
147	27,5	18440	1	1	1	564,7821	1127,55	2
147	27,5	18441	1	1	1	564,7822	1127,55	2
147	27,5	18442	1	1	1	564,7823	1127,55	2
147	27,5	18444	1	1	1	564,7828	1127,551	2
147	27,5	18445	1	1	1	564,7832	1127,552	2
147	27,5	18448	1	1	1	564,7843	1127,554	2
147	27,5	18637	1	1	1	565,7997	1129,585	2
147	27,5	18642	1	1	1	565,802	1129,59	2
147	27,5	18644	1	1	1	565,8023	1129,59	2
147	27,5	18645	1	1	1	565,8023	1129,59	2
147	27,5	18646	1	1	1	565,8024	1129,59	2
147	27,5	18650	1	1	1	565,8037	1129,593	2
147	27,5	18654	1	1	1	565,8061	1129,598	2
147	27,5	18656	1	1	1	565,8066	1129,599	2
147	27,5	18659	1	1	1	565,8078	1129,601	2
147	27,5	18660	1	1	1	565,8079	1129,601	2
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147	27,5	18666	1	1	1	565,8092	1129,604	2
147	27,5	18667	1	1	1	565,8094	1129,604	2
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147	27,5	18671	1	1	1	565,8096	1129,605	2
147	27,5	18672	1	1	1	565,8097	1129,605	2
147	27,5	19852	1	1	1	572,8148	1143,615	2
147	27,5	19853	1	1	1	572,815	1143,616	2

147	27,5	19855	1	1	1	572,8158	1143,617	2
147	27,5	19856	1	1	1	572,816	1143,617	2
147	27,5	19857	1	1	1	572,8165	1143,618	2
147	27,5	19859	1	1	1	572,8175	1143,62	2
147	27,5	23351	1	1	1	590,7975	1179,58	2
147	27,5	23352	1	1	1	590,7979	1179,581	2
147	27,5	23607	1	1	1	591,7937	1181,573	2
147	27,5	23610	1	1	1	591,795	1181,575	2
147	27,5	23612	1	1	1	591,7956	1181,577	2
147	27,5	24202	1	1	1	594,8041	1187,594	2
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147	27,5	24206	1	1	1	594,8048	1187,595	2
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147	27,5	24212	1	1	1	594,8057	1187,597	2
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147	27,5	24217	1	1	1	594,8065	1187,599	2
147	27,5	24218	1	1	1	594,8067	1187,599	2
147	27,5	24755	1	1	1	598,3061	1194,598	2
147	27,5	24757	1	1	1	598,3074	1194,6	2
147	27,5	25330	1	1	1	601,321	1200,627	2
147	27,5	25332	1	1	1	601,3222	1200,63	2
147	27,5	25333	1	1	1	601,3223	1200,63	2
147	27,5	25566	1	1	1	602,3415	1202,668	2
147	27,5	25567	1	1	1	602,3435	1202,672	2
147	27,5	26664	1	1	1	608,3329	1214,651	2
147	27,5	26665	1	1	1	608,333	1214,652	2
147	27,5	26666	1	1	1	608,3338	1214,653	2
147	27,5	26667	1	1	1	608,3348	1214,655	2
147	27,5	26671	1	1	1	608,3356	1214,657	2
147	27,5	28582	1	1	1	618,2935	1234,572	2
147	27,5	29348	1	1	1	621,3221	1240,63	2
147	27,5	29747	1	1	1	623,317	1244,62	2
147	27,5	29750	1	1	1	623,3179	1244,621	2
147	27,5	29756	1	1	1	623,3189	1244,623	2
147	27,5	29757	1	1	1	623,3192	1244,624	2
147	27,5	29759	1	1	1	623,3193	1244,624	2
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147	27,5	29771	1	1	1	623,3202	1244,626	2
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147	27,5	29780	1	1	1	623,3207	1244,627	2
147	27,5	29781	1	1	1	623,3208	1244,627	2
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147	27,5	29795	1	1	1	623,3211	1244,628	2
147	27,5	29798	1	1	1	623,3212	1244,628	2
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147	27,5	29812	1	1	1	623,3215	1244,629	2
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147	27,5	29824	1	1	1	623,3219	1244,629	2
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147	27,5	29844	1	1	1	623,3224	1244,63	2
147	27,5	29845	1	1	1	623,3225	1244,631	2
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147	27,5	29850	1	1	1	623,3229	1244,631	2
147	27,5	29851	1	1	1	623,323	1244,632	2
147	27,5	29853	1	1	1	623,3232	1244,632	2
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147	27,5	29859	1	1	1	623,3235	1244,633	2
147	27,5	29860	1	1	1	623,3236	1244,633	2
147	27,5	29862	1	1	1	623,3237	1244,633	2

147	27,5	29863	1	1	1	623,3238	1244,633	2
147	27,5	29864	1	1	1	623,3238	1244,633	2
147	27,5	29865	1	1	1	623,3239	1244,633	2
147	27,5	29866	1	1	1	623,324	1244,634	2
147	27,5	29867	1	1	1	623,3242	1244,634	2
147	27,5	29868	1	1	1	623,3243	1244,634	2
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147	27,5	29870	1	1	1	623,3245	1244,634	2
147	27,5	29871	1	1	1	623,3245	1244,635	2
147	27,5	29876	1	1	1	623,3258	1244,637	2
147	27,5	31882	1	1	1	633,2669	1264,519	2
147	27,5	33839	1	1	1	642,3292	1282,644	2
147	27,5	33840	1	1	1	642,3312	1282,648	2
147	27,5	34094	1	1	1	643,8516	1285,689	2
147	27,5	34095	1	1	1	643,8533	1285,692	2
147	27,5	34196	1	1	1	644,3355	1286,657	2
147	27,5	34198	1	1	1	644,3361	1286,658	2
147	27,5	34201	1	1	1	644,3363	1286,658	2
147	27,5	34202	1	1	1	644,3365	1286,658	2
147	27,5	34203	1	1	1	644,337	1286,659	2
147	27,5	34204	1	1	1	644,337	1286,659	2
147	27,5	34208	1	1	1	644,3374	1286,66	2
147	27,5	34209	1	1	1	644,3375	1286,661	2
147	27,5	34211	1	1	1	644,3376	1286,661	2
147	27,5	34212	1	1	1	644,3378	1286,661	2
147	27,5	34214	1	1	1	644,3378	1286,661	2
147	27,5	34215	1	1	1	644,3379	1286,661	2
147	27,5	34216	1	1	1	644,3379	1286,661	2
147	27,5	34218	1	1	1	644,3379	1286,661	2
147	27,5	34219	1	1	1	644,338	1286,662	2
147	27,5	34220	1	1	1	644,3381	1286,662	2
147	27,5	34221	1	1	1	644,3383	1286,662	2
147	27,5	34222	1	1	1	644,3384	1286,662	2
147	27,5	34223	1	1	1	644,3385	1286,662	2
147	27,5	34224	1	1	1	644,3385	1286,663	2
147	27,5	34225	1	1	1	644,3386	1286,663	2
147	27,5	34226	1	1	1	644,3387	1286,663	2
147	27,5	34228	1	1	1	644,3389	1286,663	2
147	27,5	34230	1	1	1	644,339	1286,663	2
147	27,5	34231	1	1	1	644,339	1286,663	2
147	27,5	34232	1	1	1	644,339	1286,663	2
147	27,5	34234	1	1	1	644,3391	1286,664	2
147	27,5	34235	1	1	1	644,3391	1286,664	2
147	27,5	34236	1	1	1	644,3392	1286,664	2
147	27,5	34237	1	1	1	644,3392	1286,664	2
147	27,5	34239	1	1	1	644,3393	1286,664	2
147	27,5	34241	1	1	1	644,3393	1286,664	2
147	27,5	34243	1	1	1	644,3394	1286,664	2



147	27,5	34244	1	1	1	644,3394	1286,664	2
147	27,5	34245	1	1	1	644,3395	1286,664	2
147	27,5	34246	1	1	1	644,3395	1286,665	2
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147	27,5	34249	1	1	1	644,3395	1286,665	2
147	27,5	34250	1	1	1	644,3395	1286,665	2
147	27,5	34252	1	1	1	644,3396	1286,665	2
147	27,5	34253	1	1	1	644,3396	1286,665	2
147	27,5	34255	1	1	1	644,3396	1286,665	2
147	27,5	34256	1	1	1	644,3396	1286,665	2
147	27,5	34257	1	1	1	644,3396	1286,665	2
147	27,5	34258	1	1	1	644,3397	1286,665	2
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147	27,5	34264	1	1	1	644,3398	1286,665	2
147	27,5	34266	1	1	1	644,3398	1286,665	2
147	27,5	34267	1	1	1	644,3398	1286,665	2
147	27,5	34268	1	1	1	644,3399	1286,665	2
147	27,5	34269	1	1	1	644,3399	1286,665	2
147	27,5	34270	1	1	1	644,3399	1286,665	2
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147	27,5	34273	1	1	1	644,34	1286,666	2
147	27,5	34275	1	1	1	644,3401	1286,666	2
147	27,5	34276	1	1	1	644,3401	1286,666	2
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147	27,5	34278	1	1	1	644,3401	1286,666	2
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147	27,5	34281	1	1	1	644,3401	1286,666	2
147	27,5	34282	1	1	1	644,3401	1286,666	2
147	27,5	34283	1	1	1	644,3402	1286,666	2
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147	27,5	34286	1	1	1	644,3402	1286,666	2
147	27,5	34288	1	1	1	644,3403	1286,666	2
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147	27,5	34292	1	1	1	644,3403	1286,666	2
147	27,5	34293	1	1	1	644,3403	1286,666	2
147	27,5	34294	1	1	1	644,3404	1286,666	2
147	27,5	34295	1	1	1	644,3404	1286,666	2
147	27,5	34297	1	1	1	644,3405	1286,666	2
147	27,5	34298	1	1	1	644,3405	1286,666	2
147	27,5	34299	1	1	1	644,3405	1286,666	2
147	27,5	34300	1	1	1	644,3405	1286,667	2
147	27,5	34301	1	1	1	644,3406	1286,667	2

147	27,5	34302	1	1	1	644,3406	1286,667	2
147	27,5	34303	1	1	1	644,3406	1286,667	2
147	27,5	34304	1	1	1	644,3406	1286,667	2
147	27,5	34305	1	1	1	644,3406	1286,667	2
147	27,5	34307	1	1	1	644,3406	1286,667	2
147	27,5	34308	1	1	1	644,3407	1286,667	2
147	27,5	34309	1	1	1	644,3407	1286,667	2
147	27,5	34310	1	1	1	644,3407	1286,667	2
147	27,5	34311	1	1	1	644,3407	1286,667	2
147	27,5	34312	1	1	1	644,3408	1286,667	2
147	27,5	34313	1	1	1	644,3408	1286,667	2
147	27,5	34314	1	1	1	644,3409	1286,667	2
147	27,5	34315	1	1	1	644,3409	1286,667	2
147	27,5	34316	1	1	1	644,3409	1286,667	2
147	27,5	34318	1	1	1	644,3409	1286,667	2
147	27,5	34319	1	1	1	644,3409	1286,667	2
147	27,5	34320	1	1	1	644,3409	1286,667	2
147	27,5	34322	1	1	1	644,341	1286,667	2
147	27,5	34323	1	1	1	644,341	1286,668	2
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147	27,5	34325	1	1	1	644,3411	1286,668	2
147	27,5	34326	1	1	1	644,3411	1286,668	2
147	27,5	34327	1	1	1	644,3411	1286,668	2
147	27,5	34328	1	1	1	644,3411	1286,668	2
147	27,5	34329	1	1	1	644,3411	1286,668	2
147	27,5	34330	1	1	1	644,3412	1286,668	2
147	27,5	34331	1	1	1	644,3412	1286,668	2
147	27,5	34332	1	1	1	644,3412	1286,668	2
147	27,5	34333	1	1	1	644,3414	1286,668	2
147	27,5	34335	1	1	1	644,3414	1286,668	2
147	27,5	34336	1	1	1	644,3414	1286,668	2
147	27,5	34337	1	1	1	644,3415	1286,669	2
147	27,5	34338	1	1	1	644,342	1286,669	2
147	27,5	34339	1	1	1	644,3424	1286,67	2
147	27,5	34340	1	1	1	644,3425	1286,67	2
147	27,5	34341	1	1	1	644,3428	1286,671	2
147	27,5	34342	1	1	1	644,343	1286,671	2
147	27,5	34345	1	1	1	644,3438	1286,673	2
147	27,5	34346	1	1	1	644,3439	1286,673	2
147	27,5	34678	1	1	1	646,3046	1290,595	2
147	27,5	34681	1	1	1	646,3053	1290,596	2
147	27,5	34687	1	1	1	646,3069	1290,599	2
147	27,5	34690	1	1	1	646,3071	1290,6	2
147	27,5	34696	1	1	1	646,3076	1290,601	2
147	27,5	34698	1	1	1	646,308	1290,602	2
147	27,5	34801	1	1	1	646,8049	1291,595	2
147	27,5	34938	1	1	1	647,3393	1292,664	2
147	27,5	35258	1	1	1	649,2742	1296,534	2

147	27,5	35259	1	1	1	649,2745	1296,535	2
147	27,5	35260	1	1	1	649,2754	1296,536	2
147	27,5	35261	1	1	1	649,2764	1296,538	2
147	27,5	36512	1	1	1	655,8227	1309,631	2
147	27,5	36523	1	1	1	655,8245	1309,635	2
147	27,5	36527	1	1	1	655,8247	1309,635	2
147	27,5	36531	1	1	1	655,825	1309,636	2
147	27,5	36539	1	1	1	655,8262	1309,638	2
147	27,5	36540	1	1	1	655,8268	1309,639	2
147	27,5	36598	1	1	1	656,2954	1310,576	2
147	27,5	36601	1	1	1	656,2977	1310,581	2
147	27,5	36619	1	1	1	656,313	1310,611	2
147	27,5	36919	1	1	1	657,8134	1313,612	2
147	27,5	36920	1	1	1	657,8149	1313,615	2
147	27,5	36922	1	1	1	657,8152	1313,616	2
147	27,5	36923	1	1	1	657,8153	1313,616	2
147	27,5	36924	1	1	1	657,8155	1313,617	2
147	27,5	36925	1	1	1	657,8161	1313,618	2
147	27,5	36926	1	1	1	657,8163	1313,618	2
147	27,5	36927	1	1	1	657,8164	1313,618	2
147	27,5	36929	1	1	1	657,8165	1313,619	2
147	27,5	36930	1	1	1	657,8169	1313,619	2
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147	27,5	36932	1	1	1	657,8169	1313,619	2
147	27,5	36933	1	1	1	657,817	1313,62	2
147	27,5	36936	1	1	1	657,8173	1313,62	2
147	27,5	36937	1	1	1	657,8177	1313,621	2
147	27,5	36941	1	1	1	657,8197	1313,625	2
147	27,5	36942	1	1	1	657,8205	1313,627	2
147	27,5	38813	1	1	1	665,8397	1329,665	2
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147	27,5	38823	1	1	1	665,8409	1329,667	2
147	27,5	38824	1	1	1	665,841	1329,667	2
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147	27,5	38830	1	1	1	665,8414	1329,668	2
147	27,5	38832	1	1	1	665,8415	1329,669	2
147	27,5	38833	1	1	1	665,8415	1329,669	2
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147	27,5	38835	1	1	1	665,8415	1329,669	2
147	27,5	38838	1	1	1	665,8417	1329,669	2
147	27,5	38843	1	1	1	665,8422	1329,67	2
147	27,5	38846	1	1	1	665,8425	1329,671	2
147	27,5	38847	1	1	1	665,8426	1329,671	2

147	27,5	38849	1	1	1	665,8426	1329,671	2
147	27,5	38850	1	1	1	665,8428	1329,671	2
147	27,5	38851	1	1	1	665,8428	1329,671	2
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147	27,5	38866	1	1	1	665,8432	1329,672	2
147	27,5	38867	1	1	1	665,8432	1329,672	2
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147	27,5	38872	1	1	1	665,8433	1329,672	2
147	27,5	38874	1	1	1	665,8433	1329,672	2
147	27,5	38875	1	1	1	665,8434	1329,672	2
147	27,5	38876	1	1	1	665,8434	1329,672	2
147	27,5	38877	1	1	1	665,8434	1329,672	2
147	27,5	38879	1	1	1	665,8435	1329,672	2
147	27,5	38880	1	1	1	665,8435	1329,672	2
147	27,5	38881	1	1	1	665,8435	1329,672	2
147	27,5	38882	1	1	1	665,8435	1329,672	2
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147	27,5	38886	1	1	1	665,8435	1329,673	2
147	27,5	38887	1	1	1	665,8436	1329,673	2
147	27,5	38888	1	1	1	665,8436	1329,673	2
147	27,5	38889	1	1	1	665,8436	1329,673	2
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147	27,5	38891	1	1	1	665,8436	1329,673	2
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147	27,5	38893	1	1	1	665,8437	1329,673	2
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147	27,5	38897	1	1	1	665,8437	1329,673	2
147	27,5	38898	1	1	1	665,8437	1329,673	2
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147	27,5	38901	1	1	1	665,8437	1329,673	2
147	27,5	38904	1	1	1	665,8438	1329,673	2
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147	27,5	38916	1	1	1	665,844	1329,673	2
147	27,5	38917	1	1	1	665,844	1329,674	2
147	27,5	38918	1	1	1	665,8441	1329,674	2
147	27,5	38920	1	1	1	665,8442	1329,674	2
147	27,5	38921	1	1	1	665,8442	1329,674	2
147	27,5	38922	1	1	1	665,8443	1329,674	2
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147	27,5	38925	1	1	1	665,8444	1329,674	2
147	27,5	38926	1	1	1	665,8444	1329,674	2
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147	27,5	38929	1	1	1	665,8446	1329,675	2
147	27,5	38930	1	1	1	665,8446	1329,675	2
147	27,5	38931	1	1	1	665,8447	1329,675	2
147	27,5	38932	1	1	1	665,8447	1329,675	2
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147	27,5	38940	1	1	1	665,8451	1329,676	2
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147	27,5	38948	1	1	1	665,8457	1329,677	2
147	27,5	38949	1	1	1	665,8466	1329,679	2
147	27,5	38950	1	1	1	665,8469	1329,679	2
147	27,5	38953	1	1	1	665,8472	1329,68	2
147	27,5	40289	1	1	1	672,8546	1343,695	2
147	27,5	40294	1	1	1	672,8551	1343,696	2
147	27,5	40309	1	1	1	672,8571	1343,7	2
147	27,5	40311	1	1	1	672,8573	1343,7	2
147	27,5	40312	1	1	1	672,8576	1343,701	2
147	27,5	40313	1	1	1	672,8578	1343,701	2
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147	27,5	40317	1	1	1	672,8579	1343,701	2
147	27,5	40320	1	1	1	672,8581	1343,702	2
147	27,5	40323	1	1	1	672,8582	1343,702	2
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147	27,5	40333	1	1	1	672,8585	1343,702	2
147	27,5	40339	1	1	1	672,8589	1343,703	2
147	27,5	41812	1	1	1	679,3697	1356,725	2
147	27,5	41815	1	1	1	679,372	1356,73	2
147	27,5	42549	1	1	1	682,8582	1363,702	2
147	27,5	42706	1	1	1	683,793	1365,572	2
147	27,5	42707	1	1	1	683,7942	1365,574	2
147	27,5	43053	1	1	1	684,8261	1367,638	2
147	27,5	43751	1	1	1	688,2783	1374,542	2
147	27,5	44484	1	1	1	691,8134	1381,612	2
147	27,5	44485	1	1	1	691,8141	1381,614	2
147	27,5	44486	1	1	1	691,8143	1381,614	2
147	27,5	44488	1	1	1	691,8149	1381,615	2
147	27,5	44489	1	1	1	691,8151	1381,616	2
147	27,5	44490	1	1	1	691,8156	1381,617	2
147	27,5	46748	1	1	1	703,3483	1404,682	2
147	27,5	47957	1	1	1	708,3904	1414,766	2
147	27,5	49271	1	1	1	714,8911	1427,768	2
147	27,5	49272	1	1	1	714,8924	1427,77	2
147	27,5	50410	1	1	1	720,3413	1438,668	2
147	27,5	50415	1	1	1	720,3433	1438,672	2
147	27,5	50423	1	1	1	720,3446	1438,675	2
147	27,5	50424	1	1	1	720,3446	1438,675	2
147	27,5	50426	1	1	1	720,3449	1438,675	2
147	27,5	50430	1	1	1	720,3454	1438,676	2
147	27,5	50434	1	1	1	720,3457	1438,677	2
147	27,5	50438	1	1	1	720,3459	1438,677	2
147	27,5	50440	1	1	1	720,3459	1438,677	2
147	27,5	50441	1	1	1	720,346	1438,677	2
147	27,5	50442	1	1	1	720,346	1438,678	2
147	27,5	50444	1	1	1	720,3463	1438,678	2
147	27,5	50448	1	1	1	720,3463	1438,678	2
147	27,5	50449	1	1	1	720,3464	1438,678	2
147	27,5	50455	1	1	1	720,3467	1438,679	2
147	27,5	50460	1	1	1	720,347	1438,68	2
147	27,5	50461	1	1	1	720,3471	1438,68	2
147	27,5	50463	1	1	1	720,3472	1438,68	2
147	27,5	50472	1	1	1	720,3483	1438,682	2
147	27,5	50473	1	1	1	720,3483	1438,682	2
147	27,5	50476	1	1	1	720,3487	1438,683	2
147	27,5	50478	1	1	1	720,3492	1438,684	2
147	27,5	50907	1	1	1	722,3832	1442,752	2
147	27,5	50908	1	1	1	722,3836	1442,753	2
147	27,5	50911	1	1	1	722,3859	1442,757	2

147	27,5	50913	1	1	1	722,3863	1442,758	2
147	27,5	5796	1	1	1	481,9269	1442,759	3
147	27,5	50914	1	1	1	722,3868	1442,759	2
147	27,5	50917	1	1	1	722,3872	1442,76	2
147	27,5	50919	1	1	1	722,3873	1442,76	2
147	27,5	50922	1	1	1	722,3876	1442,761	2
147	27,5	50925	1	1	1	722,3879	1442,761	2
147	27,5	50928	1	1	1	722,3879	1442,761	2
147	27,5	50929	1	1	1	722,388	1442,762	2
147	27,5	50930	1	1	1	722,3881	1442,762	2
147	27,5	50931	1	1	1	722,3882	1442,762	2
147	27,5	50932	1	1	1	722,3883	1442,762	2
147	27,5	50934	1	1	1	722,3883	1442,762	2
147	27,5	50937	1	1	1	722,3885	1442,762	2
147	27,5	50939	1	1	1	722,3886	1442,763	2
147	27,5	50947	1	1	1	722,3891	1442,764	2
147	27,5	50948	1	1	1	722,3892	1442,764	2
147	27,5	50949	1	1	1	722,3892	1442,764	2
147	27,5	50952	1	1	1	722,3893	1442,764	2
147	27,5	50953	1	1	1	722,3894	1442,764	2
147	27,5	50955	1	1	1	722,3897	1442,765	2
147	27,5	50956	1	1	1	722,3897	1442,765	2
147	27,5	50957	1	1	1	722,3898	1442,765	2
147	27,5	50966	1	1	1	722,3902	1442,766	2
147	27,5	50967	1	1	1	722,3902	1442,766	2
147	27,5	50968	1	1	1	722,3902	1442,766	2
147	27,5	50969	1	1	1	722,3902	1442,766	2
147	27,5	50970	1	1	1	722,3903	1442,766	2
147	27,5	50973	1	1	1	722,3904	1442,766	2
147	27,5	50976	1	1	1	722,3906	1442,767	2
147	27,5	50977	1	1	1	722,3906	1442,767	2
147	27,5	50979	1	1	1	722,3907	1442,767	2
147	27,5	50980	1	1	1	722,3908	1442,767	2
147	27,5	50981	1	1	1	722,3908	1442,767	2
147	27,5	50987	1	1	1	722,3911	1442,768	2
147	27,5	50989	1	1	1	722,3912	1442,768	2
147	27,5	50991	1	1	1	722,3912	1442,768	2
147	27,5	50992	1	1	1	722,3912	1442,768	2
147	27,5	50997	1	1	1	722,3913	1442,768	2
147	27,5	50999	1	1	1	722,3913	1442,768	2
147	27,5	51002	1	1	1	722,3914	1442,768	2
147	27,5	51004	1	1	1	722,3915	1442,768	2
147	27,5	51005	1	1	1	722,3915	1442,768	2
147	27,5	51007	1	1	1	722,3915	1442,769	2
147	27,5	51008	1	1	1	722,3915	1442,769	2
147	27,5	51009	1	1	1	722,3915	1442,769	2
147	27,5	51010	1	1	1	722,3916	1442,769	2
147	27,5	51012	1	1	1	722,3916	1442,769	2

147	27,5	51013	1	1	1	722,3916	1442,769	2
147	27,5	51015	1	1	1	722,3918	1442,769	2
147	27,5	51017	1	1	1	722,3918	1442,769	2
147	27,5	51020	1	1	1	722,392	1442,769	2
147	27,5	51022	1	1	1	722,3921	1442,77	2
147	27,5	51023	1	1	1	722,3922	1442,77	2
147	27,5	51024	1	1	1	722,3923	1442,77	2
147	27,5	51033	1	1	1	722,3928	1442,771	2
147	27,5	51039	1	1	1	722,3936	1442,773	2
147	27,5	51483	1	1	1	724,3556	1446,697	2
147	27,5	52047	1	1	1	727,3342	1452,654	2
147	27,5	53145	1	1	1	731,3492	1460,684	2
147	27,5	53146	1	1	1	731,3509	1460,687	2
147	27,5	53147	1	1	1	731,3526	1460,691	2
147	27,5	53148	1	1	1	731,3528	1460,691	2
147	27,5	53234	1	1	1	731,8614	1461,708	2
147	27,5	54901	1	1	1	738,847	1475,679	2
147	27,5	54902	1	1	1	738,8477	1475,681	2
147	27,5	55593	1	1	1	742,3398	1482,665	2
147	27,5	55595	1	1	1	742,3399	1482,665	2
147	27,5	55935	1	1	1	743,8881	1485,762	2
147	27,5	55941	1	1	1	743,8906	1485,767	2
147	27,5	55943	1	1	1	743,8909	1485,767	2
147	27,5	55945	1	1	1	743,891	1485,767	2
147	27,5	55951	1	1	1	743,8915	1485,768	2
147	27,5	55952	1	1	1	743,8918	1485,769	2
147	27,5	55957	1	1	1	743,8921	1485,77	2
147	27,5	55959	1	1	1	743,8922	1485,77	2
147	27,5	55960	1	1	1	743,8923	1485,77	2
147	27,5	55964	1	1	1	743,8925	1485,771	2
147	27,5	55965	1	1	1	743,8926	1485,771	2
147	27,5	55967	1	1	1	743,8927	1485,771	2
147	27,5	55969	1	1	1	743,8928	1485,771	2
147	27,5	55970	1	1	1	743,8931	1485,772	2
147	27,5	55972	1	1	1	743,8936	1485,773	2
147	27,5	55974	1	1	1	743,8941	1485,774	2
147	27,5	55976	1	1	1	743,8946	1485,775	2
147	27,5	55980	1	1	1	743,8951	1485,776	2
147	27,5	55981	1	1	1	743,8953	1485,776	2
147	27,5	55983	1	1	1	743,8957	1485,777	2
147	27,5	56375	1	1	1	745,7885	1489,563	2
147	27,5	56377	1	1	1	745,79	1489,566	2
147	27,5	56379	1	1	1	745,7923	1489,57	2
147	27,5	57556	1	1	1	751,3538	1500,693	2
147	27,5	8658	1	1	1	504,241	1509,701	3
147	27,5	58448	1	1	1	755,859	1509,703	2
147	27,5	8672	1	1	1	504,2421	1509,704	3
147	27,5	58449	1	1	1	755,8597	1509,705	2



147	27,5	58450	1	1	1	755,8598	1509,705	2
147	27,5	58453	1	1	1	755,8604	1509,706	2
147	27,5	58456	1	1	1	755,8614	1509,708	2
147	27,5	58457	1	1	1	755,8614	1509,708	2
147	27,5	58458	1	1	1	755,8618	1509,709	2
147	27,5	58465	1	1	1	755,8625	1509,71	2
147	27,5	58475	1	1	1	755,8635	1509,712	2
147	27,5	58476	1	1	1	755,8636	1509,713	2
147	27,5	58479	1	1	1	755,8637	1509,713	2
147	27,5	58482	1	1	1	755,8637	1509,713	2
147	27,5	58488	1	1	1	755,864	1509,714	2
147	27,5	58490	1	1	1	755,8641	1509,714	2
147	27,5	58492	1	1	1	755,8641	1509,714	2
147	27,5	58493	1	1	1	755,8642	1509,714	2
147	27,5	58496	1	1	1	755,8643	1509,714	2
147	27,5	58499	1	1	1	755,8644	1509,714	2
147	27,5	58503	1	1	1	755,8648	1509,715	2
147	27,5	58506	1	1	1	755,8649	1509,715	2
147	27,5	58518	1	1	1	755,866	1509,717	2
147	27,5	58522	1	1	1	755,8669	1509,719	2
147	27,5	58523	1	1	1	755,8669	1509,719	2
147	27,5	58528	1	1	1	755,8673	1509,72	2
147	27,5	58535	1	1	1	755,8679	1509,721	2
147	27,5	58567	1	1	1	755,9207	1509,827	2
147	27,5	61245	1	1	1	768,8426	1535,671	2
147	27,5	61246	1	1	1	768,8437	1535,673	2
147	27,5	61247	1	1	1	768,8439	1535,673	2
147	27,5	61252	1	1	1	768,8456	1535,677	2
147	27,5	61253	1	1	1	768,8459	1535,677	2
147	27,5	61254	1	1	1	768,8462	1535,678	2
147	27,5	61257	1	1	1	768,8463	1535,678	2
147	27,5	61258	1	1	1	768,8464	1535,678	2
147	27,5	61259	1	1	1	768,8469	1535,679	2
147	27,5	61260	1	1	1	768,847	1535,68	2
147	27,5	61261	1	1	1	768,847	1535,68	2
147	27,5	61262	1	1	1	768,8474	1535,68	2
147	27,5	61263	1	1	1	768,8474	1535,68	2
147	27,5	61266	1	1	1	768,8477	1535,681	2
147	27,5	61267	1	1	1	768,8477	1535,681	2
147	27,5	61268	1	1	1	768,8478	1535,681	2
147	27,5	61270	1	1	1	768,8491	1535,684	2
147	27,5	61725	1	1	1	770,819	1539,623	2
147	27,5	61726	1	1	1	770,8194	1539,624	2
147	27,5	61732	1	1	1	770,8508	1539,687	2
147	27,5	61733	1	1	1	770,8518	1539,689	2
147	27,5	61734	1	1	1	770,8531	1539,692	2
147	27,5	61735	1	1	1	770,8539	1539,693	2
147	27,5	61736	1	1	1	770,8545	1539,695	2

147	27,5	63575	1	1	1	779,4093	1556,804	2
147	27,5	63576	1	1	1	779,4095	1556,805	2
147	27,5	63577	1	1	1	779,4099	1556,805	2
147	27,5	63578	1	1	1	779,41	1556,806	2
147	27,5	63579	1	1	1	779,4102	1556,806	2
147	27,5	63582	1	1	1	779,4105	1556,806	2
147	27,5	63583	1	1	1	779,4106	1556,807	2
147	27,5	63584	1	1	1	779,4107	1556,807	2
147	27,5	63585	1	1	1	779,4118	1556,809	2
147	27,5	63588	1	1	1	779,4141	1556,814	2
147	27,5	63589	1	1	1	779,4142	1556,814	2
147	27,5	63876	1	1	1	780,8841	1559,754	2
147	27,5	63882	1	1	1	780,8885	1559,763	2
147	27,5	63885	1	1	1	780,8895	1559,764	2
147	27,5	63887	1	1	1	780,8923	1559,77	2
147	27,5	65846	1	1	1	791,3773	1580,74	2
147	27,5	65847	1	1	1	791,3777	1580,741	2
147	27,5	65848	1	1	1	791,3778	1580,741	2
147	27,5	65849	1	1	1	791,378	1580,742	2
147	27,5	12432	1	1	1	527,9214	1580,743	3
147	27,5	65851	1	1	1	791,3801	1580,746	2
147	27,5	65856	1	1	1	791,381	1580,747	2
147	27,5	65857	1	1	1	791,3813	1580,748	2
147	27,5	65859	1	1	1	791,3817	1580,749	2
147	27,5	65863	1	1	1	791,3822	1580,75	2
147	27,5	65868	1	1	1	791,3824	1580,75	2
147	27,5	65874	1	1	1	791,3831	1580,752	2
147	27,5	65875	1	1	1	791,3833	1580,752	2
147	27,5	65877	1	1	1	791,3835	1580,753	2
147	27,5	65883	1	1	1	791,3839	1580,753	2
147	27,5	65886	1	1	1	791,3843	1580,754	2
147	27,5	65888	1	1	1	791,3844	1580,754	2
147	27,5	65892	1	1	1	791,3848	1580,755	2
147	27,5	65893	1	1	1	791,3849	1580,755	2
147	27,5	65894	1	1	1	791,3851	1580,756	2
147	27,5	65898	1	1	1	791,3852	1580,756	2
147	27,5	66416	1	1	1	793,4379	1584,861	2
147	27,5	66418	1	1	1	793,4392	1584,864	2
147	27,5	66421	1	1	1	793,4421	1584,87	2
147	27,5	68464	1	1	1	803,3081	1604,602	2
147	27,5	68880	1	1	1	805,3964	1608,778	2
147	27,5	68881	1	1	1	805,3966	1608,779	2
147	27,5	69481	1	1	1	807,8954	1613,776	2
147	27,5	69482	1	1	1	807,8969	1613,779	2
147	27,5	14175	1	1	1	538,96	1613,858	3
147	27,5	14181	1	1	1	538,9624	1613,866	3
147	27,5	69505	1	1	1	807,941	1613,868	2
147	27,5	69509	1	1	1	807,9432	1613,872	2

147	27,5	69662	1	1	1	808,8629	1615,711	2
147	27,5	69665	1	1	1	808,8663	1615,718	2
147	27,5	69666	1	1	1	808,8668	1615,719	2
147	27,5	69667	1	1	1	808,8673	1615,72	2
147	27,5	69668	1	1	1	808,8674	1615,72	2
147	27,5	69669	1	1	1	808,8693	1615,724	2
147	27,5	69670	1	1	1	808,8708	1615,727	2
147	27,5	70606	1	1	1	813,4359	1624,857	2
147	27,5	70813	1	1	1	814,4449	1626,875	2
147	27,5	70815	1	1	1	814,4483	1626,882	2
147	27,5	70818	1	1	1	814,4508	1626,887	2
147	27,5	73383	1	1	1	828,3367	1654,659	2
147	27,5	74123	1	1	1	831,4078	1660,801	2
147	27,5	74125	1	1	1	831,41	1660,805	2
147	27,5	74126	1	1	1	831,4133	1660,812	2
147	27,5	76282	1	1	1	842,3767	1682,739	2
147	27,5	76284	1	1	1	842,3768	1682,739	2
147	27,5	76285	1	1	1	842,3779	1682,741	2
147	27,5	76286	1	1	1	842,3785	1682,742	2
147	27,5	76287	1	1	1	842,3786	1682,743	2
147	27,5	76288	1	1	1	842,3788	1682,743	2
147	27,5	76291	1	1	1	842,3797	1682,745	2
147	27,5	76294	1	1	1	842,3808	1682,747	2
147	27,5	76296	1	1	1	842,3811	1682,748	2
147	27,5	76297	1	1	1	842,3813	1682,748	2
147	27,5	76298	1	1	1	842,3816	1682,749	2
147	27,5	76299	1	1	1	842,3819	1682,749	2
147	27,5	76300	1	1	1	842,3823	1682,75	2
147	27,5	76301	1	1	1	842,383	1682,752	2
147	27,5	76303	1	1	1	842,3839	1682,753	2
147	27,5	78249	1	1	1	852,3852	1702,756	2
147	27,5	78252	1	1	1	852,3855	1702,757	2
147	27,5	78737	1	1	1	854,9297	1707,845	2
147	27,5	78738	1	1	1	854,933	1707,851	2
147	27,5	19698	1	1	1	571,9773	1712,91	3
147	27,5	79651	1	1	1	859,8441	1717,674	2
147	27,5	79652	1	1	1	859,8448	1717,675	2
147	27,5	79653	1	1	1	859,8455	1717,677	2
147	27,5	79654	1	1	1	859,8458	1717,677	2
147	27,5	79655	1	1	1	859,8458	1717,677	2
147	27,5	79656	1	1	1	859,8461	1717,678	2
147	27,5	79657	1	1	1	859,8487	1717,683	2
147	27,5	79658	1	1	1	859,8491	1717,684	2
147	27,5	79659	1	1	1	859,8492	1717,684	2
147	27,5	79661	1	1	1	859,8499	1717,685	2
147	27,5	79662	1	1	1	859,8501	1717,686	2
147	27,5	79663	1	1	1	859,8511	1717,688	2
147	27,5	79664	1	1	1	859,8512	1717,688	2

147	27,5	79665	1	1	1	859,8535	1717,692	2
147	27,5	80875	1	1	1	866,3814	1730,748	2
147	27,5	80879	1	1	1	866,3829	1730,751	2
147	27,5	80883	1	1	1	866,3833	1730,752	2
147	27,5	80889	1	1	1	866,384	1730,753	2
147	27,5	80895	1	1	1	866,386	1730,758	2
147	27,5	80896	1	1	1	866,3864	1730,758	2
147	27,5	80897	1	1	1	866,3867	1730,759	2
147	27,5	21507	1	1	1	581,3241	1740,95	3
147	27,5	81938	1	1	1	871,4941	1740,974	2
147	27,5	81940	1	1	1	871,4967	1740,979	2
147	27,5	81942	1	1	1	871,4981	1740,982	2
147	27,5	81943	1	1	1	871,4982	1740,982	2
147	27,5	21625	1	1	1	582,275	1743,803	3
147	27,5	82148	1	1	1	872,9117	1743,809	2
147	27,5	82154	1	1	1	872,9146	1743,815	2
147	27,5	82155	1	1	1	872,9146	1743,815	2
147	27,5	82158	1	1	1	872,9149	1743,815	2
147	27,5	82159	1	1	1	872,9151	1743,816	2
147	27,5	82162	1	1	1	872,9155	1743,816	2
147	27,5	82165	1	1	1	872,9157	1743,817	2
147	27,5	82166	1	1	1	872,9158	1743,817	2
147	27,5	82171	1	1	1	872,9185	1743,823	2
147	27,5	82174	1	1	1	872,919	1743,823	2
147	27,5	83623	1	1	1	880,941	1759,867	2
147	27,5	83631	1	1	1	880,9421	1759,87	2
147	27,5	83632	1	1	1	880,9422	1759,87	2
147	27,5	83633	1	1	1	880,9422	1759,87	2
147	27,5	83634	1	1	1	880,9422	1759,87	2
147	27,5	83636	1	1	1	880,9422	1759,87	2
147	27,5	83642	1	1	1	880,9443	1759,874	2
147	27,5	83644	1	1	1	880,9444	1759,874	2
147	27,5	83645	1	1	1	880,9445	1759,875	2
147	27,5	83649	1	1	1	880,945	1759,875	2
147	27,5	83650	1	1	1	880,945	1759,876	2
147	27,5	83652	1	1	1	880,9452	1759,876	2
147	27,5	83653	1	1	1	880,9452	1759,876	2
147	27,5	83656	1	1	1	880,9453	1759,876	2
147	27,5	83658	2	1	1	880,9453	1759,876	2
147	27,5	83661	1	1	1	880,9455	1759,877	2
147	27,5	83663	1	1	1	880,9457	1759,877	2
147	27,5	83668	1	1	1	880,9459	1759,877	2
147	27,5	83671	1	1	1	880,9461	1759,878	2
147	27,5	83672	1	1	1	880,9465	1759,878	2
147	27,5	83674	2	1	1	880,9469	1759,879	2
147	27,5	83675	1	1	1	880,947	1759,879	2
147	27,5	83676	1	1	1	880,9476	1759,881	2
147	27,5	83677	1	1	1	880,9477	1759,881	2

147	27,5	83678	1	1	1	880,948	1759,882	2
147	27,5	23241	1	1	1	590,283	1767,827	3
147	27,5	84614	1	1	1	885,8454	1769,676	2
147	27,5	84936	1	1	1	887,9484	1773,882	2
147	27,5	85430	1	1	1	890,4493	1778,884	2
147	27,5	85435	1	1	1	890,4516	1778,889	2
147	27,5	85810	1	1	1	892,4972	1782,98	2
147	27,5	87426	1	1	1	900,9286	1799,843	2
147	27,5	87429	1	1	1	900,9316	1799,849	2
147	27,5	87431	1	1	1	900,9364	1799,858	2
147	27,5	87434	1	1	1	900,937	1799,86	2
147	27,5	87436	1	1	1	900,9389	1799,863	2
147	27,5	87816	1	1	1	902,9086	1803,803	2
147	27,5	87817	1	1	1	902,9092	1803,804	2
147	27,5	87819	1	1	1	902,911	1803,808	2
147	27,5	26778	1	1	1	609,2896	1824,847	3
147	27,5	26785	1	1	1	609,2904	1824,849	3
147	27,5	26786	1	1	1	609,2905	1824,85	3
147	27,5	26790	1	1	1	609,2908	1824,851	3
147	27,5	26798	1	1	1	609,2914	1824,853	3
147	27,5	26799	1	1	1	609,2916	1824,853	3
147	27,5	26806	1	1	1	609,2919	1824,854	3
147	27,5	26815	1	1	1	609,2925	1824,856	3
147	27,5	26818	1	1	1	609,2925	1824,856	3
147	27,5	26821	1	1	1	609,293	1824,857	3
147	27,5	26822	1	1	1	609,2931	1824,858	3
147	27,5	26825	1	1	1	609,2937	1824,859	3
147	27,5	89966	1	1	1	914,3571	1826,7	2
147	27,5	89967	1	1	1	914,3588	1826,703	2
147	27,5	90285	1	1	1	915,9171	1829,82	2
147	27,5	90287	1	1	1	915,9176	1829,821	2
147	27,5	90288	1	1	1	915,9178	1829,821	2
147	27,5	90290	1	1	1	915,9198	1829,825	2
147	27,5	90291	1	1	1	915,9207	1829,827	2
147	27,5	90473	1	1	1	917,357	1832,699	2
147	27,5	90476	1	1	1	917,3627	1832,711	2
147	27,5	90477	1	1	1	917,3631	1832,712	2
147	27,5	90478	1	1	1	917,3643	1832,714	2
147	27,5	90479	1	1	1	917,3644	1832,714	2
147	27,5	90480	1	1	1	917,3646	1832,715	2
147	27,5	90482	1	1	1	917,3653	1832,716	2
147	27,5	90483	1	1	1	917,3664	1832,718	2
147	27,5	91917	1	1	1	923,8932	1845,772	2
147	27,5	91918	1	1	1	923,8935	1845,773	2
147	27,5	91919	1	1	1	923,8951	1845,776	2
147	27,5	91920	1	1	1	923,8952	1845,776	2
147	27,5	91921	1	1	1	923,8959	1845,777	2
147	27,5	91922	1	1	1	923,8961	1845,778	2

147	27,5	91924	1	1	1	923,8965	1845,778	2
147	27,5	91927	1	1	1	923,8999	1845,785	2
147	27,5	91928	1	1	1	923,9002	1845,786	2
147	27,5	29210	1	1	1	620,6205	1858,84	3
147	27,5	93051	1	1	1	930,4278	1858,841	2
147	27,5	93055	1	1	1	930,4284	1858,842	2
147	27,5	93063	1	1	1	930,4295	1858,845	2
147	27,5	93065	1	1	1	930,4297	1858,845	2
147	27,5	29211	1	1	1	620,6222	1858,845	3
147	27,5	93068	1	1	1	930,4301	1858,846	2
147	27,5	93069	1	1	1	930,4303	1858,846	2
147	27,5	93078	1	1	1	930,4319	1858,849	2
147	27,5	94351	1	1	1	938,4278	1874,841	2
147	27,5	94352	1	1	1	938,4279	1874,841	2
147	27,5	95555	1	1	1	944,9895	1887,964	2
147	27,5	95559	1	1	1	944,9903	1887,966	2
147	27,5	95562	1	1	1	944,9909	1887,967	2
147	27,5	95567	1	1	1	944,9911	1887,968	2
147	27,5	95568	1	1	1	944,9912	1887,968	2
147	27,5	95571	1	1	1	944,9914	1887,968	2
147	27,5	95573	1	1	1	944,9918	1887,969	2
147	27,5	95574	1	1	1	944,9918	1887,969	2
147	27,5	95579	1	1	1	944,9922	1887,97	2
147	27,5	95580	1	1	1	944,9922	1887,97	2
147	27,5	95581	1	1	1	944,9923	1887,97	2
147	27,5	95582	1	1	1	944,9927	1887,971	2
147	27,5	95584	1	1	1	944,993	1887,972	2
147	27,5	95591	1	1	1	944,9933	1887,972	2
147	27,5	95593	1	1	1	944,9934	1887,972	2
147	27,5	95595	1	1	1	944,9935	1887,972	2
147	27,5	95598	1	1	1	944,9935	1887,973	2
147	27,5	95599	1	1	1	944,9936	1887,973	2
147	27,5	95602	1	1	1	944,9937	1887,973	2
147	27,5	95603	1	1	1	944,9938	1887,973	2
147	27,5	95606	1	1	1	944,994	1887,973	2
147	27,5	95608	1	1	1	944,9941	1887,974	2
147	27,5	95609	1	1	1	944,9941	1887,974	2
147	27,5	95610	1	1	1	944,9943	1887,974	2
147	27,5	95611	1	1	1	944,9944	1887,974	2
147	27,5	95613	1	1	1	944,9945	1887,975	2
147	27,5	95616	1	1	1	944,9951	1887,976	2
147	27,5	95619	1	1	1	944,9953	1887,976	2
147	27,5	95621	1	1	1	944,9955	1887,977	2
147	27,5	95622	1	1	1	944,9956	1887,977	2
147	27,5	95626	1	1	1	944,9976	1887,981	2
147	27,5	96580	1	1	1	951,4622	1900,91	2
147	27,5	96584	1	1	1	951,4626	1900,911	2
147	27,5	96585	1	1	1	951,4628	1900,911	2

147	27,5	96591	1	1	1	951,4641	1900,914	2
147	27,5	98896	1	1	1	965,9949	1929,975	2
147	27,5	98897	1	1	1	965,995	1929,975	2
147	27,5	99015	1	1	1	966,9006	1931,787	2
147	27,5	99016	1	1	1	966,9016	1931,789	2
147	27,5	99017	1	1	1	966,9021	1931,79	2
147	27,5	34855	1	1	1	646,9856	1937,935	3
147	27,5	34856	1	1	1	646,9858	1937,936	3
147	27,5	34857	1	1	1	646,9862	1937,937	3
147	27,5	34858	1	1	1	646,9864	1937,937	3
147	27,5	99701	1	1	1	970,9005	1939,787	2
147	27,5	99702	1	1	1	970,9008	1939,787	2
147	27,5	99703	1	1	1	970,9013	1939,788	2
147	27,5	99704	1	1	1	970,9023	1939,79	2
147	27,5	99705	1	1	1	970,9033	1939,792	2
147	27,5	99878	1	1	1	971,9811	1941,948	2
147	27,5	99879	1	1	1	971,9811	1941,948	2
147	27,5	35983	1	1	1	652,9851	1955,934	3
147	27,5	100960	1	1	1	978,9774	1955,94	2
147	27,5	100961	1	1	1	978,9788	1955,943	2
147	27,5	100962	1	1	1	978,9789	1955,943	2
147	27,5	100964	1	1	1	978,9793	1955,944	2
147	27,5	100965	1	1	1	978,9794	1955,944	2
147	27,5	100967	1	1	1	978,9797	1955,945	2
147	27,5	100968	1	1	1	978,9798	1955,945	2
147	27,5	100969	1	1	1	978,9798	1955,945	2
147	27,5	100970	1	1	1	978,9801	1955,946	2
147	27,5	100972	1	1	1	978,9805	1955,947	2
147	27,5	100973	1	1	1	978,9809	1955,947	2
147	27,5	100974	1	1	1	978,9811	1955,948	2
147	27,5	100975	1	1	1	978,9813	1955,948	2
147	27,5	100976	1	1	1	978,9816	1955,949	2
147	27,5	100977	1	1	1	978,9819	1955,949	2
147	27,5	100978	1	1	1	978,9819	1955,949	2
147	27,5	100979	1	1	1	978,9826	1955,951	2
147	27,5	100980	1	1	1	978,9827	1955,951	2
147	27,5	100981	1	1	1	978,983	1955,952	2
147	27,5	100982	1	1	1	978,9832	1955,952	2
147	27,5	100983	1	1	1	978,9832	1955,952	2
147	27,5	100984	1	1	1	978,9837	1955,953	2
147	27,5	101199	1	1	1	980,4371	1958,86	2
147	27,5	101200	1	1	1	980,4374	1958,86	2
147	27,5	101201	1	1	1	980,4375	1958,86	2
147	27,5	101203	1	1	1	980,4401	1958,866	2
147	27,5	101205	1	1	1	980,442	1958,869	2
147	27,5	102266	1	1	1	987,9351	1973,856	2
147	27,5	37249	1	1	1	658,9593	1973,856	3
147	27,5	102267	1	1	1	987,9357	1973,857	2

147	27,5	37253	1	1	1	658,9625	1973,866	3
147	27,5	102273	1	1	1	987,9407	1973,867	2
147	27,5	102274	1	1	1	987,9408	1973,867	2
147	27,5	102277	1	1	1	987,941	1973,867	2
147	27,5	102278	1	1	1	987,9412	1973,868	2
147	27,5	102281	1	1	1	987,9414	1973,868	2
147	27,5	102284	1	1	1	987,9417	1973,869	2
147	27,5	102286	1	1	1	987,9419	1973,869	2
147	27,5	102287	1	1	1	987,942	1973,87	2
147	27,5	102289	1	1	1	987,9421	1973,87	2
147	27,5	102290	1	1	1	987,9423	1973,87	2
147	27,5	102291	1	1	1	987,9424	1973,87	2
147	27,5	102295	1	1	1	987,9427	1973,871	2
147	27,5	102307	1	1	1	987,9441	1973,874	2
147	27,5	102316	1	1	1	987,9449	1973,875	2
147	27,5	102319	1	1	1	987,9457	1973,877	2
147	27,5	102321	1	1	1	987,9458	1973,877	2
147	27,5	102324	1	1	1	987,9462	1973,878	2
147	27,5	102341	1	1	1	987,9525	1973,891	2
147	27,5	102347	1	1	1	987,9621	1973,91	2
147	27,5	102348	1	1	1	987,9625	1973,911	2
147	27,5	38972	1	1	1	665,9921	1994,955	3
147	27,5	38975	1	1	1	665,995	1994,963	3
147	27,5	38976	1	1	1	665,9954	1994,964	3
147	27,5	104068	1	1	1	999,4101	1996,806	2
147	27,5	104069	1	1	1	999,4103	1996,806	2
147	27,5	104070	1	1	1	999,411	1996,808	2
147	27,5	104071	1	1	1	999,4118	1996,809	2
147	27,5	40381	1	1	1	673,0233	2016,048	3
147	27,5	40383	1	1	1	673,025	2016,053	3
147	27,5	105449	1	1	1	1009,044	2016,074	2
147	27,5	105450	1	1	1	1009,047	2016,08	2
147	27,5	106564	1	1	1	1016,417	2030,819	2
147	27,5	106565	1	1	1	1016,421	2030,827	2
147	27,5	106566	1	1	1	1016,422	2030,829	2
147	27,5	106567	1	1	1	1016,422	2030,829	2
147	27,5	106568	1	1	1	1016,422	2030,83	2
147	27,5	106569	1	1	1	1016,423	2030,832	2
147	27,5	106570	1	1	1	1016,423	2030,832	2
147	27,5	106571	1	1	1	1016,423	2030,832	2
147	27,5	106572	1	1	1	1016,424	2030,833	2
147	27,5	106573	1	1	1	1016,424	2030,833	2
147	27,5	106574	1	1	1	1016,424	2030,834	2
147	27,5	106575	1	1	1	1016,425	2030,835	2
147	27,5	106576	1	1	1	1016,425	2030,835	2
147	27,5	106577	1	1	1	1016,425	2030,835	2
147	27,5	106579	1	1	1	1016,425	2030,835	2
147	27,5	106580	1	1	1	1016,425	2030,835	2



147	27,5	106581	1	1	1	1016,425	2030,835	2
147	27,5	106582	1	1	1	1016,425	2030,836	2
147	27,5	106583	1	1	1	1016,425	2030,836	2
147	27,5	106584	1	1	1	1016,425	2030,836	2
147	27,5	106587	1	1	1	1016,426	2030,837	2
147	27,5	106589	1	1	1	1016,426	2030,838	2
147	27,5	106590	1	1	1	1016,426	2030,838	2
147	27,5	106591	1	1	1	1016,426	2030,838	2
147	27,5	106592	1	1	1	1016,426	2030,838	2
147	27,5	106593	1	1	1	1016,427	2030,838	2
147	27,5	106594	1	1	1	1016,427	2030,839	2
147	27,5	106595	1	1	1	1016,427	2030,839	2
147	27,5	106596	1	1	1	1016,427	2030,839	2
147	27,5	106597	1	1	1	1016,427	2030,839	2
147	27,5	106598	1	1	1	1016,427	2030,839	2
147	27,5	106599	1	1	1	1016,428	2030,84	2
147	27,5	106600	1	1	1	1016,428	2030,84	2
147	27,5	106601	1	1	1	1016,428	2030,841	2
147	27,5	106602	1	1	1	1016,428	2030,841	2
147	27,5	106603	1	1	1	1016,428	2030,841	2
147	27,5	106604	1	1	1	1016,428	2030,842	2
147	27,5	106605	1	1	1	1016,428	2030,842	2
147	27,5	106606	1	1	1	1016,428	2030,842	2
147	27,5	106608	1	1	1	1016,428	2030,842	2
147	27,5	106609	1	1	1	1016,428	2030,842	2
147	27,5	106610	1	1	1	1016,428	2030,842	2
147	27,5	106611	1	1	1	1016,428	2030,842	2
147	27,5	106612	1	1	1	1016,429	2030,842	2
147	27,5	106613	1	1	1	1016,429	2030,843	2
147	27,5	106614	1	1	1	1016,429	2030,843	2
147	27,5	106615	1	1	1	1016,429	2030,843	2
147	27,5	106616	1	1	1	1016,429	2030,843	2
147	27,5	106617	1	1	1	1016,429	2030,843	2
147	27,5	106618	1	1	1	1016,429	2030,843	2
147	27,5	106619	1	1	1	1016,429	2030,843	2
147	27,5	106620	1	1	1	1016,429	2030,843	2
147	27,5	106621	1	1	1	1016,429	2030,844	2
147	27,5	106622	1	1	1	1016,429	2030,844	2
147	27,5	106623	1	1	1	1016,429	2030,844	2
147	27,5	106624	1	1	1	1016,43	2030,844	2
147	27,5	106625	1	1	1	1016,43	2030,844	2
147	27,5	106626	1	1	1	1016,43	2030,845	2
147	27,5	106627	1	1	1	1016,43	2030,845	2
147	27,5	106628	1	1	1	1016,43	2030,845	2
147	27,5	106629	1	1	1	1016,43	2030,845	2
147	27,5	106630	1	1	1	1016,43	2030,845	2
147	27,5	106631	1	1	1	1016,43	2030,845	2
147	27,5	106632	1	1	1	1016,43	2030,845	2

147	27,5	106633	1	1	1	1016,43	2030,845	2
147	27,5	106634	1	1	1	1016,43	2030,845	2
147	27,5	106635	1	1	1	1016,43	2030,845	2
147	27,5	106636	1	1	1	1016,43	2030,845	2
147	27,5	106637	1	1	1	1016,43	2030,845	2
147	27,5	106639	1	1	1	1016,43	2030,846	2
147	27,5	106640	1	1	1	1016,43	2030,846	2
147	27,5	106641	1	1	1	1016,43	2030,846	2
147	27,5	106642	1	1	1	1016,43	2030,846	2
147	27,5	106643	1	1	1	1016,43	2030,846	2
147	27,5	106644	1	1	1	1016,43	2030,846	2
147	27,5	106645	1	1	1	1016,43	2030,846	2
147	27,5	106646	1	1	1	1016,43	2030,846	2
147	27,5	106647	1	1	1	1016,43	2030,846	2
147	27,5	106648	1	1	1	1016,43	2030,846	2
147	27,5	106649	1	1	1	1016,43	2030,846	2
147	27,5	106650	1	1	1	1016,431	2030,847	2
147	27,5	106651	1	1	1	1016,431	2030,847	2
147	27,5	106652	1	1	1	1016,431	2030,847	2
147	27,5	106653	1	1	1	1016,431	2030,847	2
147	27,5	106654	1	1	1	1016,431	2030,847	2
147	27,5	106655	1	1	1	1016,431	2030,847	2
147	27,5	106656	1	1	1	1016,431	2030,847	2
147	27,5	106657	1	1	1	1016,431	2030,847	2
147	27,5	106658	1	1	1	1016,431	2030,847	2
147	27,5	106659	1	1	1	1016,431	2030,847	2
147	27,5	106660	1	1	1	1016,431	2030,847	2
147	27,5	106661	1	1	1	1016,431	2030,847	2
147	27,5	106663	1	1	1	1016,431	2030,848	2
147	27,5	106664	1	1	1	1016,431	2030,848	2
147	27,5	106665	1	1	1	1016,431	2030,848	2
147	27,5	106666	1	1	1	1016,432	2030,849	2
147	27,5	106668	1	1	1	1016,432	2030,849	2
147	27,5	106669	1	1	1	1016,432	2030,85	2
147	27,5	106671	1	1	1	1016,432	2030,85	2
147	27,5	106672	1	1	1	1016,433	2030,85	2
147	27,5	106673	1	1	1	1016,433	2030,851	2
147	27,5	106674	1	1	1	1016,433	2030,851	2
147	27,5	106676	1	1	1	1016,433	2030,852	2
147	27,5	106677	1	1	1	1016,434	2030,854	2
147	27,5	106678	1	1	1	1016,434	2030,854	2
147	27,5	106679	1	1	1	1016,435	2030,855	2
147	27,5	106680	1	1	1	1016,435	2030,856	2
147	27,5	106681	1	1	1	1016,435	2030,856	2
147	27,5	106682	1	1	1	1016,436	2030,857	2
147	27,5	106684	1	1	1	1016,437	2030,859	2
147	27,5	106685	1	1	1	1016,438	2030,861	2
147	27,5	43117	1	1	1	685,0001	2051,979	3

147	27,5	43118	1	1	1	685,0007	2051,98	3
147	27,5	43119	1	1	1	685,0008	2051,981	3
147	27,5	43121	1	1	1	685,0024	2051,985	3
147	27,5	43123	1	1	1	685,003	2051,987	3
147	27,5	43125	1	1	1	685,006	2051,996	3
147	27,5	44416	1	1	1	691,332	2070,974	3
147	27,5	109734	1	1	1	1037,948	2073,881	2
147	27,5	109737	1	1	1	1037,949	2073,884	2
147	27,5	109738	1	1	1	1037,949	2073,884	2
147	27,5	109740	1	1	1	1037,949	2073,884	2
147	27,5	109748	1	1	1	1037,95	2073,885	2
147	27,5	109752	1	1	1	1037,95	2073,885	2
147	27,5	109753	1	1	1	1037,95	2073,885	2
147	27,5	109754	1	1	1	1037,95	2073,885	2
147	27,5	109755	1	1	1	1037,95	2073,886	2
147	27,5	109756	1	1	1	1037,95	2073,886	2
147	27,5	109759	1	1	1	1037,95	2073,886	2
147	27,5	109761	1	1	1	1037,951	2073,887	2
147	27,5	109764	1	1	1	1037,951	2073,888	2
147	27,5	109767	1	1	1	1037,951	2073,888	2
147	27,5	109769	1	1	1	1037,951	2073,888	2
147	27,5	109774	1	1	1	1037,953	2073,891	2
147	27,5	109775	1	1	1	1037,953	2073,891	2
147	27,5	109778	1	1	1	1037,953	2073,892	2
147	27,5	109779	1	1	1	1037,954	2073,893	2
147	27,5	45395	1	1	1	696,6544	2086,941	3
147	27,5	45397	1	1	1	696,658	2086,952	3
147	27,5	110806	1	1	1	1044,484	2086,954	2
147	27,5	45398	1	1	1	696,6585	2086,954	3
147	27,5	110807	1	1	1	1044,484	2086,954	2
147	27,5	45399	1	1	1	696,6586	2086,954	3
147	27,5	45400	1	1	1	696,659	2086,955	3
147	27,5	45401	1	1	1	696,6594	2086,957	3
147	27,5	110817	1	1	1	1044,487	2086,959	2
147	27,5	110819	1	1	1	1044,488	2086,961	2
147	27,5	110821	1	1	1	1044,489	2086,963	2
147	27,5	110822	1	1	1	1044,489	2086,963	2
147	27,5	111549	1	1	1	1048,948	2095,881	2
147	27,5	46895	1	1	1	704,0032	2108,988	3
147	27,5	46897	1	1	1	704,0069	2108,999	3
147	27,5	46898	1	1	1	704,0072	2109	3
147	27,5	46899	1	1	1	704,0078	2109,002	3
147	27,5	46901	1	1	1	704,0094	2109,007	3
147	27,5	46904	1	1	1	704,0106	2109,01	3
147	27,5	113292	1	1	1	1061,494	2120,974	2
147	27,5	113294	1	1	1	1061,496	2120,976	2
147	27,5	47869	1	1	1	707,9994	2120,976	3
147	27,5	113297	1	1	1	1061,498	2120,982	2

147	27,5	113625	1	1	1	1064,511	2127,008	2
147	27,5	113630	1	1	1	1064,513	2127,011	2
147	27,5	113632	1	1	1	1064,514	2127,013	2
147	27,5	113633	1	1	1	1064,514	2127,014	2
147	27,5	113634	1	1	1	1064,515	2127,014	2
147	27,5	113635	1	1	1	1064,515	2127,015	2
147	27,5	113637	1	1	1	1064,515	2127,015	2
147	27,5	113638	1	1	1	1064,515	2127,016	2
147	27,5	113639	1	1	1	1064,516	2127,017	2
147	27,5	113641	1	1	1	1064,516	2127,017	2
147	27,5	113642	1	1	1	1064,516	2127,017	2
147	27,5	113643	1	1	1	1064,516	2127,018	2
147	27,5	113645	1	1	1	1064,516	2127,018	2
147	27,5	113646	1	1	1	1064,517	2127,019	2
147	27,5	113647	1	1	1	1064,517	2127,019	2
147	27,5	113648	1	1	1	1064,517	2127,019	2
147	27,5	113649	1	1	1	1064,517	2127,019	2
147	27,5	113650	1	1	1	1064,517	2127,019	2
147	27,5	113651	1	1	1	1064,517	2127,019	2
147	27,5	113652	1	1	1	1064,517	2127,02	2
147	27,5	113655	1	1	1	1064,518	2127,021	2
147	27,5	113656	1	1	1	1064,518	2127,021	2
147	27,5	113658	1	1	1	1064,518	2127,021	2
147	27,5	113659	1	1	1	1064,518	2127,021	2
147	27,5	113660	1	1	1	1064,518	2127,021	2
147	27,5	113662	1	1	1	1064,518	2127,022	2
147	27,5	113663	1	1	1	1064,518	2127,022	2
147	27,5	113664	1	1	1	1064,518	2127,022	2
147	27,5	113665	1	1	1	1064,518	2127,022	2
147	27,5	113666	1	1	1	1064,518	2127,022	2
147	27,5	113667	1	1	1	1064,518	2127,022	2
147	27,5	113668	1	1	1	1064,519	2127,023	2
147	27,5	113669	1	1	1	1064,519	2127,023	2
147	27,5	113670	1	1	1	1064,519	2127,023	2
147	27,5	113671	1	1	1	1064,519	2127,023	2
147	27,5	113672	1	1	1	1064,519	2127,024	2
147	27,5	113673	1	1	1	1064,519	2127,024	2
147	27,5	113675	1	1	1	1064,52	2127,025	2
147	27,5	113676	1	1	1	1064,52	2127,025	2
147	27,5	113677	1	1	1	1064,52	2127,025	2
147	27,5	113678	1	1	1	1064,52	2127,025	2
147	27,5	113679	1	1	1	1064,52	2127,025	2
147	27,5	113680	1	1	1	1064,52	2127,026	2
147	27,5	113684	1	1	1	1064,521	2127,027	2
147	27,5	113685	1	1	1	1064,523	2127,031	2
147	27,5	113686	1	1	1	1064,524	2127,033	2
147	27,5	113687	1	1	1	1064,524	2127,034	2
147	27,5	115794	1	1	1	1080,476	2158,938	2

147	27,5	51145	1	1	1	723,012	2166,014	3
147	27,5	51146	1	1	1	723,0125	2166,016	3
147	27,5	51147	1	1	1	723,0134	2166,018	3
147	27,5	51148	1	1	1	723,0137	2166,019	3
147	27,5	51151	1	1	1	723,0148	2166,023	3
147	27,5	51152	1	1	1	723,0154	2166,024	3
147	27,5	51153	1	1	1	723,0158	2166,026	3
147	27,5	51154	1	1	1	723,016	2166,026	3
147	27,5	51155	1	1	1	723,016	2166,026	3
147	27,5	51157	1	1	1	723,0163	2166,027	3
147	27,5	51158	1	1	1	723,0174	2166,03	3
147	27,5	51159	1	1	1	723,0186	2166,034	3
147	27,5	116392	1	1	1	1085,523	2169,032	2
147	27,5	116645	1	1	1	1087,481	2172,948	2
147	27,5	51685	1	1	1	725,3241	2172,951	3
147	27,5	116653	1	1	1	1087,484	2172,954	2
147	27,5	116654	1	1	1	1087,485	2172,955	2
147	27,5	116657	1	1	1	1087,486	2172,958	2
147	27,5	116661	1	1	1	1087,488	2172,962	2
147	27,5	117917	1	1	1	1097,47	2192,925	2
147	27,5	117918	1	1	1	1097,47	2192,926	2
147	27,5	117919	1	1	1	1097,471	2192,927	2
147	27,5	117921	1	1	1	1097,471	2192,928	2
147	27,5	117922	1	1	1	1097,475	2192,935	2
147	27,5	117923	1	1	1	1097,476	2192,938	2
147	27,5	53952	1	1	1	734,9953	2201,964	3
147	27,5	118436	1	1	1	1101,99	2201,966	2
147	27,5	53954	1	1	1	734,9961	2201,967	3
147	27,5	53955	1	1	1	734,9966	2201,968	3
147	27,5	53958	1	1	1	734,9969	2201,969	3
147	27,5	53959	1	1	1	734,997	2201,969	3
147	27,5	53960	1	1	1	734,9971	2201,969	3
147	27,5	118442	1	1	1	1101,992	2201,97	2
147	27,5	53962	1	1	1	734,9974	2201,97	3
147	27,5	53963	1	1	1	734,9974	2201,971	3
147	27,5	53964	1	1	1	734,9975	2201,971	3
147	27,5	53966	1	1	1	734,9977	2201,971	3
147	27,5	53967	1	1	1	734,9978	2201,972	3
147	27,5	53968	1	1	1	734,9978	2201,972	3
147	27,5	53969	1	1	1	734,9979	2201,972	3
147	27,5	53970	1	1	1	734,9982	2201,973	3
147	27,5	53973	1	1	1	734,9984	2201,973	3
147	27,5	53974	1	1	1	734,9985	2201,974	3
147	27,5	53975	1	1	1	734,9986	2201,974	3
147	27,5	118456	1	1	1	1101,995	2201,975	2
147	27,5	53980	1	1	1	734,9991	2201,976	3
147	27,5	53981	1	1	1	734,9996	2201,977	3
147	27,5	118464	1	1	1	1101,996	2201,977	2

147	27,5	118466	1	1	1	1101,996	2201,977	2
147	27,5	118470	1	1	1	1101,996	2201,978	2
147	27,5	53982	1	1	1	734,9999	2201,978	3
147	27,5	118478	1	1	1	1101,997	2201,979	2
147	27,5	53984	1	1	1	735,0002	2201,979	3
147	27,5	53985	1	1	1	735,0002	2201,979	3
147	27,5	53986	1	1	1	735,0003	2201,979	3
147	27,5	53987	1	1	1	735,0005	2201,98	3
147	27,5	118487	1	1	1	1101,997	2201,98	2
147	27,5	53988	1	1	1	735,0005	2201,98	3
147	27,5	118491	1	1	1	1101,997	2201,98	2
147	27,5	53989	1	1	1	735,0008	2201,98	3
147	27,5	53990	1	1	1	735,0008	2201,981	3
147	27,5	118495	1	1	1	1101,998	2201,981	2
147	27,5	53991	1	1	1	735,001	2201,981	3
147	27,5	118500	1	1	1	1101,998	2201,982	2
147	27,5	53993	1	1	1	735,0013	2201,982	3
147	27,5	118510	1	1	1	1101,999	2201,984	2
147	27,5	118518	1	1	1	1102	2201,986	2
147	27,5	118519	1	1	1	1102	2201,986	2
147	27,5	55200	1	1	1	740,3568	2218,049	3
147	27,5	119280	1	1	1	1110,034	2218,054	2
147	27,5	57727	1	1	1	752,0276	2253,061	3
147	27,5	57728	1	1	1	752,0304	2253,069	3
147	27,5	121795	1	1	1	1135,029	2268,043	2
147	27,5	121796	1	1	1	1135,029	2268,044	2
147	27,5	59047	1	1	1	758,3437	2272,009	3
147	27,5	59048	1	1	1	758,3441	2272,011	3
147	27,5	59049	1	1	1	758,3443	2272,011	3
147	27,5	59050	1	1	1	758,3444	2272,011	3
147	27,5	59051	1	1	1	758,3445	2272,012	3
147	27,5	59052	1	1	1	758,3445	2272,012	3
147	27,5	121932	1	1	1	1137,013	2272,012	2
147	27,5	59053	1	1	1	758,3451	2272,014	3
147	27,5	59054	1	1	1	758,3452	2272,014	3
147	27,5	59056	1	1	1	758,3454	2272,014	3
147	27,5	59057	1	1	1	758,3454	2272,014	3
147	27,5	59058	1	1	1	758,3454	2272,014	3
147	27,5	59059	1	1	1	758,3454	2272,015	3
147	27,5	121938	1	1	1	1137,015	2272,015	2
147	27,5	59061	1	1	1	758,3458	2272,016	3
147	27,5	59063	1	1	1	758,3461	2272,016	3
147	27,5	59064	1	1	1	758,3461	2272,016	3
147	27,5	59065	1	1	1	758,3463	2272,017	3
147	27,5	59066	1	1	1	758,3466	2272,018	3
147	27,5	59067	1	1	1	758,3468	2272,019	3
147	27,5	121942	1	1	1	1137,017	2272,019	2
147	27,5	59068	1	1	1	758,3469	2272,019	3

147	27,5	121943	1	1	1	1137,017	2272,019	2
147	27,5	121944	1	1	1	1137,017	2272,02	2
147	27,5	121945	1	1	1	1137,017	2272,02	2
147	27,5	59069	1	1	1	758,3474	2272,02	3
147	27,5	121948	1	1	1	1137,018	2272,021	2
147	27,5	121949	1	1	1	1137,018	2272,021	2
147	27,5	121951	1	1	1	1137,018	2272,021	2
147	27,5	121955	1	1	1	1137,018	2272,021	2
147	27,5	59071	1	1	1	758,3479	2272,022	3
147	27,5	121956	1	1	1	1137,018	2272,022	2
147	27,5	121957	1	1	1	1137,018	2272,022	2
147	27,5	59072	1	1	1	758,3479	2272,022	3
147	27,5	59073	1	1	1	758,348	2272,022	3
147	27,5	59075	1	1	1	758,3481	2272,022	3
147	27,5	59077	1	1	1	758,3481	2272,023	3
147	27,5	59078	1	1	1	758,3482	2272,023	3
147	27,5	121960	1	1	1	1137,019	2272,023	2
147	27,5	59080	1	1	1	758,3483	2272,023	3
147	27,5	121961	1	1	1	1137,019	2272,023	2
147	27,5	121962	1	1	1	1137,019	2272,023	2
147	27,5	59081	1	1	1	758,3484	2272,023	3
147	27,5	59082	1	1	1	758,3484	2272,023	3
147	27,5	121963	1	1	1	1137,019	2272,023	2
147	27,5	121964	1	1	1	1137,019	2272,023	2
147	27,5	59084	1	1	1	758,3486	2272,024	3
147	27,5	59085	1	1	1	758,3487	2272,024	3
147	27,5	59086	1	1	1	758,3487	2272,024	3
147	27,5	121966	1	1	1	1137,02	2272,025	2
147	27,5	59087	1	1	1	758,3488	2272,025	3
147	27,5	59088	1	1	1	758,3489	2272,025	3
147	27,5	59089	1	1	1	758,3489	2272,025	3
147	27,5	59090	1	1	1	758,349	2272,025	3
147	27,5	121968	1	1	1	1137,02	2272,025	2
147	27,5	59091	1	1	1	758,3492	2272,026	3
147	27,5	59092	1	1	1	758,3493	2272,026	3
147	27,5	59093	1	1	1	758,3494	2272,026	3
147	27,5	59094	1	1	1	758,3495	2272,027	3
147	27,5	121970	1	1	1	1137,021	2272,027	2
147	27,5	121971	1	1	1	1137,021	2272,027	2
147	27,5	59095	1	1	1	758,3501	2272,029	3
147	27,5	121976	1	1	1	1137,022	2272,029	2
147	27,5	61081	1	1	1	768,022	2301,044	3
147	27,5	61083	1	1	1	768,0224	2301,045	3
147	27,5	61085	1	1	1	768,0228	2301,047	3
147	27,5	61087	1	1	1	768,0232	2301,048	3
147	27,5	61089	1	1	1	768,0233	2301,048	3
147	27,5	123305	1	1	1	1151,531	2301,048	2
147	27,5	61090	1	1	1	768,0234	2301,048	3

147	27,5	61092	1	1	1	768,0234	2301,048	3
147	27,5	61093	1	1	1	768,0235	2301,049	3
147	27,5	123308	1	1	1	1151,532	2301,049	2
147	27,5	61097	1	1	1	768,0239	2301,05	3
147	27,5	123311	1	1	1	1151,532	2301,05	2
147	27,5	61099	1	1	1	768,0252	2301,054	3
147	27,5	63422	1	1	1	778,7002	2333,079	3
147	27,5	63423	1	1	1	778,7013	2333,082	3
147	27,5	63424	1	1	1	778,7019	2333,084	3
147	27,5	126370	1	1	1	1191,571	2381,127	2
147	27,5	126371	1	1	1	1191,572	2381,129	2
147	27,5	126507	1	1	1	1193,083	2384,152	2
147	27,5	67960	1	1	1	801,0382	2400,093	3
147	27,5	67963	1	1	1	801,0404	2400,099	3
147	27,5	67964	1	1	1	801,041	2400,101	3
147	27,5	67965	1	1	1	801,0411	2400,102	3
147	27,5	67966	1	1	1	801,0414	2400,102	3
147	27,5	67967	1	1	1	801,0417	2400,103	3
147	27,5	67968	1	1	1	801,0418	2400,104	3
147	27,5	67969	1	1	1	801,042	2400,104	3
147	27,5	67970	1	1	1	801,0424	2400,105	3
147	27,5	67971	1	1	1	801,0426	2400,106	3
147	27,5	67972	1	1	1	801,0426	2400,106	3
147	27,5	67973	1	1	1	801,0428	2400,107	3
147	27,5	67974	1	1	1	801,0428	2400,107	3
147	27,5	67975	1	1	1	801,0431	2400,108	3
147	27,5	67976	1	1	1	801,0432	2400,108	3
147	27,5	67977	1	1	1	801,0434	2400,108	3
147	27,5	67978	1	1	1	801,0434	2400,109	3
147	27,5	67979	1	1	1	801,0436	2400,109	3
147	27,5	67981	1	1	1	801,0437	2400,109	3
147	27,5	67982	1	1	1	801,0439	2400,11	3
147	27,5	67983	1	1	1	801,044	2400,11	3
147	27,5	67984	1	1	1	801,0441	2400,111	3
147	27,5	127014	1	1	1	1201,063	2400,111	2
147	27,5	67985	1	1	1	801,0444	2400,111	3
147	27,5	67986	1	1	1	801,0444	2400,111	3
147	27,5	67987	1	1	1	801,0444	2400,111	3
147	27,5	127015	1	1	1	1201,063	2400,112	2
147	27,5	67988	1	1	1	801,0445	2400,112	3
147	27,5	67989	1	1	1	801,0446	2400,112	3
147	27,5	67991	1	1	1	801,0447	2400,112	3
147	27,5	67992	1	1	1	801,0448	2400,113	3
147	27,5	127020	1	1	1	1201,064	2400,113	2
147	27,5	127022	1	1	1	1201,064	2400,113	2
147	27,5	67994	1	1	1	801,0449	2400,113	3
147	27,5	67995	1	1	1	801,0451	2400,113	3
147	27,5	67996	1	1	1	801,0451	2400,113	3



147	27,5	67997	1	1	1	801,0452	2400,114	3
147	27,5	67998	1	1	1	801,0452	2400,114	3
147	27,5	67999	1	1	1	801,0453	2400,114	3
147	27,5	68001	1	1	1	801,0454	2400,114	3
147	27,5	68002	1	1	1	801,0454	2400,114	3
147	27,5	68003	1	1	1	801,0454	2400,114	3
147	27,5	68006	1	1	1	801,0455	2400,115	3
147	27,5	68007	1	1	1	801,0457	2400,115	3
147	27,5	127031	1	1	1	1201,065	2400,116	2
147	27,5	68009	1	1	1	801,0459	2400,116	3
147	27,5	68011	1	1	1	801,0459	2400,116	3
147	27,5	68012	1	1	1	801,046	2400,116	3
147	27,5	68013	1	1	1	801,046	2400,116	3
147	27,5	68014	1	1	1	801,046	2400,116	3
147	27,5	68015	1	1	1	801,0462	2400,117	3
147	27,5	68016	1	1	1	801,0464	2400,117	3
147	27,5	68017	1	1	1	801,0464	2400,118	3
147	27,5	68018	1	1	1	801,0465	2400,118	3
147	27,5	68019	1	1	1	801,0467	2400,118	3
147	27,5	68020	1	1	1	801,0467	2400,118	3
147	27,5	68021	1	1	1	801,0467	2400,118	3
147	27,5	68022	1	1	1	801,0467	2400,118	3
147	27,5	68023	1	1	1	801,0468	2400,119	3
147	27,5	68024	1	1	1	801,0468	2400,119	3
147	27,5	68025	1	1	1	801,0468	2400,119	3
147	27,5	68026	1	1	1	801,0468	2400,119	3
147	27,5	68027	1	1	1	801,0469	2400,119	3
147	27,5	68031	1	1	1	801,0474	2400,12	3
147	27,5	68032	1	1	1	801,0474	2400,121	3
147	27,5	68033	1	1	1	801,0475	2400,121	3
147	27,5	68034	1	1	1	801,0477	2400,121	3
147	27,5	68035	1	1	1	801,0478	2400,122	3
147	27,5	68036	1	1	1	801,0479	2400,122	3
147	27,5	68037	1	1	1	801,0479	2400,122	3
147	27,5	68038	1	1	1	801,0481	2400,122	3
147	27,5	68039	1	1	1	801,0481	2400,122	3
147	27,5	68040	1	1	1	801,0481	2400,123	3
147	27,5	68041	1	1	1	801,0482	2400,123	3
147	27,5	68042	1	1	1	801,0485	2400,124	3
147	27,5	68044	1	1	1	801,0488	2400,125	3
147	27,5	68045	1	1	1	801,0489	2400,125	3
147	27,5	68048	1	1	1	801,0509	2400,131	3
147	27,5	68051	1	1	1	801,0513	2400,132	3
147	27,5	68052	1	1	1	801,0514	2400,133	3
147	27,5	68054	1	1	1	801,0515	2400,133	3
147	27,5	127055	1	1	1	1201,078	2400,142	2
147	27,5	127064	1	1	1	1201,081	2400,147	2
147	27,5	127236	1	1	1	1203,543	2405,071	2

147	27,5	127249	1	1	1	1203,547	2405,08	2
147	27,5	71209	1	1	1	816,7125	2447,116	3
147	27,5	71210	1	1	1	816,7129	2447,117	3
147	27,5	71212	1	1	1	816,7139	2447,12	3
147	27,5	128774	1	1	1	1224,569	2447,124	2
147	27,5	78620	1	1	1	854,4085	2560,204	3
147	27,5	78621	1	1	1	854,4133	2560,218	3
147	27,5	78710	1	1	1	854,7285	2561,164	3
147	27,5	78711	1	1	1	854,7323	2561,175	3
147	27,5	78712	1	1	1	854,7324	2561,176	3
147	27,5	131117	1	1	1	1281,596	2561,178	2
147	27,5	78714	1	1	1	854,7351	2561,184	3
147	27,5	79033	1	1	1	856,0872	2565,24	3
147	27,5	131168	1	1	1	1283,628	2565,242	2
147	27,5	79034	1	1	1	856,0882	2565,243	3
147	27,5	131170	1	1	1	1283,629	2565,244	2
147	27,5	79035	1	1	1	856,0886	2565,244	3
147	27,5	79036	1	1	1	856,0888	2565,245	3
147	27,5	131172	1	1	1	1283,63	2565,246	2
147	27,5	79038	1	1	1	856,0911	2565,251	3
147	27,5	131175	1	1	1	1283,633	2565,252	2
147	27,5	131363	1	1	1	1287,672	2573,329	2
147	27,5	81169	1	1	1	867,7929	2600,357	3
147	27,5	90349	1	1	1	916,4367	2746,288	3
147	27,5	90351	1	1	1	916,4378	2746,291	3
147	27,5	99303	1	1	1	968,466	2902,376	3
147	27,5	99304	1	1	1	968,4661	2902,377	3
147	27,5	99305	1	1	1	968,4673	2902,38	3
147	27,5	103111	1	1	1	992,8047	2975,392	3
147	27,5	103112	1	1	1	992,8051	2975,394	3
147	27,5	118429	1	1	1	1101,833	3302,477	3
147	27,5	118430	1	1	1	1101,834	3302,48	3
1	0,8	2536	1	0	1	444,7428	887,471	2
73	75,5	2047	1	1	1	436,2414	870,4683	2
73	75,5	2049	1	1	1	436,2426	870,4707	2
73	75,5	4060	1	1	1	465,247	928,4794	2
73	75,5	4061	1	1	1	465,2471	928,4797	2
73	75,5	14049	1	1	1	538,2849	1074,555	2
73	75,5	14050	1	1	1	538,2849	1074,555	2
73	75,5	14051	1	1	1	538,285	1074,556	2
73	75,5	14052	1	1	1	538,2852	1074,556	2
73	75,5	14055	1	1	1	538,2865	1074,558	2
73	75,5	14058	1	1	1	538,2869	1074,559	2
73	75,5	14059	1	1	1	538,2869	1074,559	2
73	75,5	14060	1	1	1	538,2869	1074,559	2
73	75,5	14062	1	1	1	538,2871	1074,56	2
73	75,5	14063	1	1	1	538,2871	1074,56	2
73	75,5	14066	1	1	1	538,2872	1074,56	2

73	75,5	14067	1	1	1	538,2873	1074,56	2
73	75,5	14068	1	1	1	538,2873	1074,56	2
73	75,5	14069	1	1	1	538,2875	1074,56	2
73	75,5	14070	1	1	1	538,2875	1074,561	2
73	75,5	14072	1	1	1	538,2879	1074,561	2
73	75,5	14073	1	1	1	538,288	1074,561	2
73	75,5	14074	1	1	1	538,2882	1074,562	2
73	75,5	14354	1	1	1	540,2851	1078,556	2
73	75,5	14842	1	1	1	544,2773	1086,54	2
73	75,5	14845	1	1	1	544,2805	1086,547	2
73	75,5	14846	1	1	1	544,2808	1086,547	2
73	75,5	14848	1	1	1	544,281	1086,548	2
73	75,5	14851	1	1	1	544,2815	1086,548	2
73	75,5	14852	1	1	1	544,2817	1086,549	2
73	75,5	14853	1	1	1	544,2817	1086,549	2
73	75,5	14854	1	1	1	544,282	1086,55	2
73	75,5	14856	1	1	1	544,2821	1086,55	2
73	75,5	15540	1	1	1	548,7516	1095,489	2
73	75,5	18915	1	1	1	566,7986	1131,583	2
73	75,5	22024	1	1	1	583,804	1165,593	2
73	75,5	22025	1	1	1	583,8042	1165,594	2
73	75,5	24520	1	1	1	596,8272	1191,64	2
73	75,5	24524	1	1	1	596,8305	1191,646	2
73	75,5	31962	1	1	1	633,3363	1264,658	2
73	75,5	31963	1	1	1	633,3371	1264,66	2
73	75,5	31966	1	1	1	633,3375	1264,66	2
73	75,5	31970	1	1	1	633,3397	1264,665	2
73	75,5	35592	1	1	1	650,8134	1299,612	2
73	75,5	35594	1	1	1	650,8158	1299,617	2
73	75,5	36231	1	1	1	654,3376	1306,661	2
73	75,5	36381	1	1	1	655,3085	1308,602	2
73	75,5	39097	1	1	1	666,8601	1331,706	2
73	75,5	39099	1	1	1	666,8614	1331,708	2
73	75,5	39482	1	1	1	668,851	1335,688	2
73	75,5	39489	1	1	1	668,8556	1335,697	2
73	75,5	39490	1	1	1	668,8556	1335,697	2
73	75,5	39491	1	1	1	668,8556	1335,697	2
73	75,5	39492	1	1	1	668,8559	1335,697	2
73	75,5	39493	1	1	1	668,8559	1335,697	2
73	75,5	39494	1	1	1	668,8559	1335,697	2
73	75,5	39496	1	1	1	668,8561	1335,698	2
73	75,5	39498	1	1	1	668,8565	1335,698	2
73	75,5	39499	1	1	1	668,8566	1335,699	2
73	75,5	39500	1	1	1	668,8567	1335,699	2
73	75,5	39504	1	1	1	668,8581	1335,702	2
73	75,5	39507	1	1	1	668,8583	1335,702	2
73	75,5	39508	1	1	1	668,8587	1335,703	2
73	75,5	39509	1	1	1	668,8588	1335,703	2

73	75,5	39510	1	1	1	668,859	1335,703	2
73	75,5	39511	1	1	1	668,859	1335,703	2
73	75,5	51752	1	1	1	725,3953	1448,776	2
73	75,5	51753	1	1	1	725,396	1448,777	2
73	75,5	52088	1	1	1	727,3654	1452,716	2
73	75,5	52097	1	1	1	727,3665	1452,719	2
73	75,5	52105	1	1	1	727,367	1452,719	2
73	75,5	52122	1	1	1	727,368	1452,721	2
73	75,5	54986	1	1	1	739,3232	1476,632	2
73	75,5	56599	1	1	1	746,864	1491,713	2
73	75,5	56601	1	1	1	746,8651	1491,716	2
73	75,5	56603	1	1	1	746,8656	1491,717	2
73	75,5	56605	1	1	1	746,8669	1491,719	2
73	75,5	57052	1	1	1	748,8898	1495,765	2
73	75,5	57068	1	1	1	748,8926	1495,771	2
73	75,5	57077	1	1	1	748,8929	1495,771	2
73	75,5	57080	1	1	1	748,893	1495,771	2
73	75,5	57082	1	1	1	748,8931	1495,772	2
73	75,5	57117	1	1	1	748,8955	1495,777	2
73	75,5	57127	1	1	1	748,8962	1495,778	2
73	75,5	57128	1	1	1	748,8962	1495,778	2
73	75,5	62161	1	1	1	772,9381	1543,862	2
73	75,5	64419	1	1	1	783,9096	1565,805	2
73	75,5	64421	1	1	1	783,91	1565,805	2
73	75,5	64422	1	1	1	783,9112	1565,808	2
73	75,5	64423	1	1	1	783,9119	1565,809	2
73	75,5	67184	1	1	1	797,4245	1592,835	2
73	75,5	67185	1	1	1	797,4247	1592,835	2
73	75,5	67186	1	1	1	797,4247	1592,835	2
73	75,5	67188	1	1	1	797,4251	1592,836	2
73	75,5	67189	1	1	1	797,4251	1592,836	2
73	75,5	67190	1	1	1	797,4254	1592,836	2
73	75,5	67191	1	1	1	797,4256	1592,837	2
73	75,5	67192	1	1	1	797,4259	1592,837	2
73	75,5	67193	1	1	1	797,4262	1592,838	2
73	75,5	67194	1	1	1	797,4262	1592,838	2
73	75,5	67195	1	1	1	797,4262	1592,838	2
73	75,5	67197	1	1	1	797,4265	1592,838	2
73	75,5	67199	1	1	1	797,4269	1592,839	2
73	75,5	67200	1	1	1	797,427	1592,839	2
73	75,5	67202	1	1	1	797,4272	1592,84	2
73	75,5	67203	1	1	1	797,4273	1592,84	2
73	75,5	67205	1	1	1	797,4276	1592,841	2
73	75,5	67206	1	1	1	797,428	1592,842	2
73	75,5	67207	1	1	1	797,43	1592,845	2
73	75,5	68632	1	1	1	803,9087	1605,803	2
73	75,5	68633	1	1	1	803,9091	1605,804	2
73	75,5	73427	1	1	1	828,3958	1654,777	2

73	75,5	73437	1	1	1	828,3995	1654,784	2
73	75,5	73438	1	1	1	828,3999	1654,785	2
73	75,5	73440	1	1	1	828,4003	1654,786	2
73	75,5	73442	1	1	1	828,4005	1654,786	2
73	75,5	73445	1	1	1	828,405	1654,795	2
73	75,5	74706	1	1	1	834,4302	1666,846	2
73	75,5	75987	1	1	1	840,4542	1678,894	2
73	75,5	76963	1	1	1	845,8899	1689,765	2
73	75,5	77368	1	1	1	847,9258	1693,837	2
73	75,5	22836	1	1	1	588,3021	1761,884	3
73	75,5	22837	1	1	1	588,3027	1761,886	3
73	75,5	84101	1	1	1	883,4301	1764,846	2
73	75,5	84494	1	1	1	884,9426	1767,871	2
73	75,5	85346	1	1	1	889,8886	1777,763	2
73	75,5	85381	1	1	1	889,989	1777,963	2
73	75,5	86898	1	1	1	898,4491	1794,884	2
73	75,5	87818	1	1	1	902,9101	1803,806	2
73	75,5	88413	1	1	1	905,9469	1809,879	2
73	75,5	88414	1	1	1	905,9473	1809,88	2
73	75,5	89831	1	1	1	913,4464	1824,878	2
73	75,5	89832	1	1	1	913,4465	1824,878	2
73	75,5	89833	1	1	1	913,4474	1824,88	2
73	75,5	89834	1	1	1	913,4482	1824,882	2
73	75,5	89835	1	1	1	913,4488	1824,883	2
73	75,5	89836	1	1	1	913,4491	1824,884	2
73	75,5	89837	1	1	1	913,4491	1824,884	2
73	75,5	89838	1	1	1	913,4493	1824,884	2
73	75,5	89840	1	1	1	913,4499	1824,885	2
73	75,5	89841	1	1	1	913,4502	1824,886	2
73	75,5	89842	1	1	1	913,4502	1824,886	2
73	75,5	89843	1	1	1	913,4504	1824,886	2
73	75,5	89844	1	1	1	913,4504	1824,886	2
73	75,5	89845	1	1	1	913,4504	1824,886	2
73	75,5	89846	1	1	1	913,4506	1824,887	2
73	75,5	89847	1	1	1	913,4506	1824,887	2
73	75,5	89848	1	1	1	913,4506	1824,887	2
73	75,5	89849	1	1	1	913,4508	1824,887	2
73	75,5	89850	1	1	1	913,451	1824,887	2
73	75,5	89851	1	1	1	913,4511	1824,888	2
73	75,5	89852	1	1	1	913,4516	1824,889	2
73	75,5	89853	1	1	1	913,4518	1824,889	2
73	75,5	89855	1	1	1	913,452	1824,889	2
73	75,5	89856	1	1	1	913,4521	1824,89	2
73	75,5	89858	1	1	1	913,4523	1824,89	2
73	75,5	89859	1	1	1	913,4532	1824,892	2
73	75,5	89860	1	1	1	913,4541	1824,894	2
73	75,5	91220	1	1	1	920,4545	1838,895	2
73	75,5	91221	1	1	1	920,4553	1838,896	2

73	75,5	98480	1	1	1	962,9703	1923,926	2
73	75,5	98481	1	1	1	962,9708	1923,927	2
73	75,5	98483	1	1	1	962,971	1923,928	2
73	75,5	98485	1	1	1	962,9716	1923,929	2
73	75,5	98487	1	1	1	962,9719	1923,929	2
73	75,5	98488	1	1	1	962,9722	1923,93	2
73	75,5	98497	1	1	1	962,9734	1923,932	2
73	75,5	36091	1	1	1	653,6543	1957,941	3
73	75,5	36093	1	1	1	653,6558	1957,946	3
73	75,5	104674	1	1	1	1003,017	2004,019	2
73	75,5	108255	1	1	1	1027,014	2052,014	2
73	75,5	108256	1	1	1	1027,014	2052,014	2
73	75,5	43126	1	1	1	685,0123	2052,015	3
73	75,5	43127	1	1	1	685,0127	2052,016	3
73	75,5	108260	1	1	1	1027,015	2052,016	2
73	75,5	43128	1	1	1	685,013	2052,017	3
73	75,5	43129	1	1	1	685,0132	2052,018	3
73	75,5	43130	1	1	1	685,0133	2052,018	3
73	75,5	43131	1	1	1	685,0135	2052,019	3
73	75,5	43132	1	1	1	685,0135	2052,019	3
73	75,5	43133	1	1	1	685,0136	2052,019	3
73	75,5	43135	1	1	1	685,014	2052,02	3
73	75,5	108276	1	1	1	1027,018	2052,021	2
73	75,5	43136	1	1	1	685,0142	2052,021	3
73	75,5	108285	1	1	1	1027,018	2052,021	2
73	75,5	108290	1	1	1	1027,019	2052,023	2
73	75,5	108293	1	1	1	1027,019	2052,023	2
73	75,5	108294	1	1	1	1027,019	2052,024	2
73	75,5	108295	1	1	1	1027,019	2052,024	2
73	75,5	108297	1	1	1	1027,019	2052,024	2
73	75,5	108303	1	1	1	1027,02	2052,025	2
73	75,5	110908	1	1	1	1044,95	2087,886	2
73	75,5	110912	1	1	1	1044,952	2087,889	2
73	75,5	110914	1	1	1	1044,952	2087,89	2
73	75,5	110916	1	1	1	1044,952	2087,89	2
73	75,5	110918	1	1	1	1044,953	2087,892	2
73	75,5	110920	1	1	1	1044,954	2087,894	2
73	75,5	110921	1	1	1	1044,954	2087,894	2
73	75,5	110923	1	1	1	1044,955	2087,895	2
73	75,5	110930	1	1	1	1044,956	2087,897	2
73	75,5	110934	1	1	1	1044,957	2087,899	2
73	75,5	110937	1	1	1	1044,957	2087,9	2
73	75,5	110940	1	1	1	1044,959	2087,903	2
73	75,5	111149	1	1	1	1045,582	2089,149	2
73	75,5	112022	1	1	1	1052,95	2103,886	2
73	75,5	112023	1	1	1	1052,951	2103,888	2
73	75,5	112025	1	1	1	1052,954	2103,893	2
73	75,5	113745	1	1	1	1065,034	2128,053	2

73	75,5	48360	1	1	1	710,3586	2128,054	3
73	75,5	48364	1	1	1	710,3591	2128,056	3
73	75,5	114690	1	1	1	1072,047	2142,079	2
73	75,5	50871	1	1	1	722,3492	2164,026	3
73	75,5	119252	1	1	1	1109,611	2217,207	2
73	75,5	119253	1	1	1	1109,611	2217,208	2
73	75,5	119254	1	1	1	1109,612	2217,21	2
73	75,5	119255	1	1	1	1109,613	2217,21	2
73	75,5	122907	1	1	1	1145,581	2289,148	2
73	75,5	122908	1	1	1	1145,582	2289,15	2
73	75,5	122909	1	1	1	1145,583	2289,151	2
73	75,5	122911	1	1	1	1145,583	2289,151	2
73	75,5	123595	1	1	1	1155,041	2308,067	2
73	75,5	123597	1	1	1	1155,043	2308,071	2
73	75,5	123598	1	1	1	1155,043	2308,072	2
73	75,5	125744	1	1	1	1183,144	2364,274	2
73	75,5	125745	1	1	1	1183,145	2364,276	2
73	75,5	67385	1	1	1	798,4202	2392,239	3
73	75,5	67386	1	1	1	798,4205	2392,24	3
73	75,5	67387	1	1	1	798,4209	2392,241	3
73	75,5	67390	1	1	1	798,4222	2392,245	3
73	75,5	126683	1	1	1	1197,13	2392,245	2
73	75,5	67391	1	1	1	798,4229	2392,247	3
73	75,5	67392	1	1	1	798,4232	2392,248	3
73	75,5	67394	1	1	1	798,4233	2392,248	3
73	75,5	126691	1	1	1	1197,132	2392,25	2
73	75,5	67402	1	1	1	798,4242	2392,251	3
73	75,5	67404	1	1	1	798,4244	2392,252	3
73	75,5	67405	1	1	1	798,4245	2392,252	3
73	75,5	67407	1	1	1	798,4245	2392,252	3
73	75,5	67408	1	1	1	798,4246	2392,252	3
73	75,5	67409	1	1	1	798,4246	2392,252	3
73	75,5	126700	1	1	1	1197,133	2392,252	2
73	75,5	126704	1	1	1	1197,134	2392,253	2
73	75,5	126705	1	1	1	1197,134	2392,253	2
73	75,5	126707	1	1	1	1197,134	2392,253	2
73	75,5	126708	1	1	1	1197,134	2392,253	2
73	75,5	126709	1	1	1	1197,134	2392,253	2
73	75,5	126711	1	1	1	1197,134	2392,254	2
73	75,5	126712	1	1	1	1197,134	2392,254	2
73	75,5	67418	1	1	1	798,4253	2392,254	3
73	75,5	67419	1	1	1	798,4254	2392,254	3
73	75,5	67420	1	1	1	798,4254	2392,254	3
73	75,5	126717	1	1	1	1197,135	2392,255	2
73	75,5	126722	1	1	1	1197,135	2392,256	2
73	75,5	126723	1	1	1	1197,135	2392,256	2
73	75,5	67422	1	1	1	798,4259	2392,256	3
73	75,5	126725	1	1	1	1197,135	2392,256	2

73	75,5	126726	1	1	1	1197,135	2392,256	2
73	75,5	67423	1	1	1	798,4263	2392,257	3
73	75,5	67425	1	1	1	798,4264	2392,257	3
73	75,5	126729	1	1	1	1197,136	2392,258	2
73	75,5	67427	1	1	1	798,4265	2392,258	3
73	75,5	67428	1	1	1	798,4265	2392,258	3
73	75,5	67433	1	1	1	798,4276	2392,261	3
73	75,5	67434	1	1	1	798,4279	2392,262	3
73	75,5	67435	1	1	1	798,4285	2392,264	3
73	75,5	67436	1	1	1	798,4286	2392,264	3
73	75,5	67437	1	1	1	798,4286	2392,264	3
73	75,5	67438	1	1	1	798,4288	2392,265	3
73	75,5	67439	1	1	1	798,4289	2392,265	3
73	75,5	67440	1	1	1	798,4291	2392,266	3
73	75,5	67441	1	1	1	798,4296	2392,267	3
73	75,5	127307	1	1	1	1204,061	2406,107	2
73	75,5	127308	1	1	1	1204,063	2406,111	2
73	75,5	128195	1	1	1	1219,117	2436,22	2
73	75,5	129546	1	1	1	1240,656	2479,298	2
73	75,5	129547	1	1	1	1240,657	2479,299	2
73	75,5	77774	1	1	1	850,0523	2547,135	3
73	75,5	79498	1	1	1	858,7344	2573,181	3
73	75,5	80443	1	1	1	864,0753	2589,204	3
73	75,5	83006	1	1	1	877,7474	2630,22	3
73	75,5	84074	1	1	1	883,0757	2646,205	3
73	75,5	84244	1	1	1	884,1366	2649,388	3
73	75,5	84245	1	1	1	884,1374	2649,391	3
73	75,5	84246	1	1	1	884,1374	2649,391	3
73	75,5	84247	1	1	1	884,1377	2649,391	3
73	75,5	84248	1	1	1	884,1378	2649,392	3
73	75,5	84249	1	1	1	884,138	2649,392	3
73	75,5	84250	1	1	1	884,1382	2649,393	3
73	75,5	84251	1	1	1	884,1382	2649,393	3
73	75,5	84252	1	1	1	884,1385	2649,394	3
73	75,5	84253	1	1	1	884,1385	2649,394	3
73	75,5	132524	1	1	1	1325,704	2649,394	2
73	75,5	84254	1	1	1	884,1385	2649,394	3
73	75,5	84255	1	1	1	884,1386	2649,394	3
73	75,5	84256	1	1	1	884,1386	2649,394	3
73	75,5	84258	1	1	1	884,1387	2649,394	3
73	75,5	84259	1	1	1	884,1388	2649,395	3
73	75,5	84260	1	1	1	884,1388	2649,395	3
73	75,5	84261	1	1	1	884,1388	2649,395	3
73	75,5	84262	1	1	1	884,1388	2649,395	3
73	75,5	84264	1	1	1	884,139	2649,395	3
73	75,5	84265	1	1	1	884,1393	2649,396	3
73	75,5	84266	1	1	1	884,1393	2649,396	3
73	75,5	84267	1	1	1	884,1393	2649,396	3



73	75,5	84268	1	1	1	884,1393	2649,396	3
73	75,5	84269	1	1	1	884,1394	2649,397	3
73	75,5	84270	1	1	1	884,1396	2649,397	3
73	75,5	84271	1	1	1	884,1396	2649,397	3
73	75,5	84272	1	1	1	884,14	2649,398	3
73	75,5	84273	1	1	1	884,14	2649,398	3
73	75,5	84274	1	1	1	884,1401	2649,399	3
73	75,5	84276	1	1	1	884,1402	2649,399	3
73	75,5	84278	1	1	1	884,1417	2649,403	3
73	75,5	84279	1	1	1	884,1418	2649,403	3
73	75,5	84281	1	1	1	884,1423	2649,405	3
73	75,5	133379	1	1	1	1383,216	2764,418	2
73	75,5	91719	1	1	1	922,4804	2764,419	3
73	75,5	133381	1	1	1	1383,217	2764,42	2
73	75,5	91721	1	1	1	922,4807	2764,42	3
73	75,5	133384	1	1	1	1383,218	2764,421	2
73	75,5	91723	1	1	1	922,4809	2764,421	3
73	75,5	133386	1	1	1	1383,218	2764,422	2
73	75,5	91726	1	1	1	922,4813	2764,422	3
73	75,5	133389	1	1	1	1383,219	2764,424	2
73	75,5	91728	1	1	1	922,4819	2764,424	3
73	75,5	133392	1	1	1	1383,22	2764,426	2
73	75,5	91736	1	1	1	922,4836	2764,429	3
73	75,5	133397	1	1	1	1383,222	2764,43	2
73	75,5	133398	1	1	1	1383,222	2764,43	2
73	75,5	133399	1	1	1	1383,222	2764,43	2
73	75,5	91737	1	1	1	922,4841	2764,43	3
73	75,5	91740	1	1	1	922,4842	2764,431	3
73	75,5	91747	1	1	1	922,4865	2764,438	3
73	75,5	93679	1	1	1	934,1167	2799,328	3
73	75,5	133535	1	1	1	1400,679	2799,343	2
73	75,5	93690	1	1	1	934,4203	2800,239	3
73	75,5	97159	1	1	1	954,8609	2861,561	3
73	75,5	97160	1	1	1	954,8609	2861,561	3
73	75,5	97163	1	1	1	954,8612	2861,562	3
73	75,5	98664	1	1	1	964,4672	2890,38	3
73	75,5	101341	1	1	1	981,1204	2940,339	3
73	75,5	101342	1	1	1	981,1209	2940,341	3
73	75,5	101343	1	1	1	981,1213	2940,342	3
73	75,5	101344	1	1	1	981,1234	2940,348	3
73	75,5	101346	1	1	1	981,124	2940,35	3
73	75,5	101347	1	1	1	981,1241	2940,351	3
73	75,5	101348	1	1	1	981,1257	2940,355	3
73	75,5	101349	1	1	1	981,1259	2940,356	3
73	75,5	102031	1	1	1	986,4519	2956,334	3
73	75,5	102032	1	1	1	986,4548	2956,343	3
73	75,5	105303	1	1	1	1008,193	3021,558	3
73	75,5	105306	1	1	1	1008,198	3021,572	3

73	75,5	112034	1	1	1	1053,143	3156,407	3
73	75,5	112035	1	1	1	1053,144	3156,411	3
73	75,5	112043	1	1	1	1053,147	3156,418	3
73	75,5	112046	1	1	1	1053,149	3156,426	3
73	75,5	112047	1	1	1	1053,15	3156,427	3
73	75,5	112048	1	1	1	1053,15	3156,428	3
73	75,5	113733	1	1	1	1064,846	3191,517	3
73	75,5	126563	1	1	1	1194,232	3579,674	3
73	75,5	128942	1	1	1	1227,914	3680,721	3
73	75,5	132201	1	1	1	1314,953	3941,837	3
73	75,5	132204	1	1	1	1314,954	3941,841	3
89	69,1	4482	1	1	1	470,2414	938,4681	2
89	69,1	4483	1	1	1	470,2414	938,4682	2
89	69,1	4494	1	1	1	470,2432	938,4718	2
89	69,1	7041	1	1	1	492,2435	982,4725	2
89	69,1	7048	1	1	1	492,2567	982,4989	2
89	69,1	8622	1	1	1	503,7841	1005,554	2
89	69,1	8628	1	1	1	503,7848	1005,555	2
89	69,1	12265	1	1	1	526,7833	1051,552	2
89	69,1	12266	1	1	1	526,7833	1051,552	2
89	69,1	12269	1	1	1	526,7846	1051,555	2
89	69,1	12270	1	1	1	526,7847	1051,555	2
89	69,1	12271	1	1	1	526,7847	1051,555	2
89	69,1	12272	1	1	1	526,7848	1051,555	2
89	69,1	12273	1	1	1	526,785	1051,556	2
89	69,1	15556	1	1	1	548,7876	1095,561	2
89	69,1	15559	1	1	1	548,7881	1095,562	2
89	69,1	16165	1	1	1	552,2616	1102,509	2
89	69,1	16169	1	1	1	552,2624	1102,51	2
89	69,1	17538	1	1	1	560,2579	1118,501	2
89	69,1	18345	1	1	1	564,2903	1126,566	2
89	69,1	19944	1	1	1	573,3201	1144,626	2
89	69,1	19946	1	1	1	573,3202	1144,626	2
89	69,1	21131	1	1	1	579,3186	1156,623	2
89	69,1	21132	1	1	1	579,3188	1156,623	2
89	69,1	21133	1	1	1	579,3189	1156,623	2
89	69,1	21134	1	1	1	579,3192	1156,624	2
89	69,1	21136	1	1	1	579,3214	1156,628	2
89	69,1	22713	1	1	1	587,8122	1173,61	2
89	69,1	22718	1	1	1	587,8337	1173,653	2
89	69,1	22850	1	1	1	588,3229	1174,631	2
89	69,1	23620	1	1	1	591,8111	1181,608	2
89	69,1	23621	1	1	1	591,8123	1181,61	2
89	69,1	23622	1	1	1	591,8131	1181,612	2
89	69,1	23748	1	1	1	592,3008	1182,587	2
89	69,1	23755	1	1	1	592,3039	1182,593	2
89	69,1	23758	1	1	1	592,3044	1182,594	2
89	69,1	25966	1	1	1	604,8376	1207,661	2

89	69,1	25967	1	1	1	604,8376	1207,661	2
89	69,1	25968	1	1	1	604,8377	1207,661	2
89	69,1	25969	1	1	1	604,8381	1207,662	2
89	69,1	25971	1	1	1	604,8382	1207,662	2
89	69,1	25975	1	1	1	604,8399	1207,665	2
89	69,1	28374	1	1	1	617,3041	1232,594	2
89	69,1	28375	1	1	1	617,3054	1232,596	2
89	69,1	28376	1	1	1	617,3055	1232,596	2
89	69,1	28377	1	1	1	617,3055	1232,597	2
89	69,1	28379	1	1	1	617,3078	1232,601	2
89	69,1	28380	1	1	1	617,3083	1232,602	2
89	69,1	29889	1	1	1	623,3518	1244,689	2
89	69,1	29890	1	1	1	623,3519	1244,689	2
89	69,1	29982	1	1	1	623,844	1245,674	2
89	69,1	30219	1	1	1	624,7973	1247,58	2
89	69,1	30220	1	1	1	624,7977	1247,581	2
89	69,1	30221	1	1	1	624,7991	1247,584	2
89	69,1	30940	1	1	1	628,3391	1254,664	2
89	69,1	30944	1	1	1	628,3403	1254,666	2
89	69,1	30947	1	1	1	628,3406	1254,667	2
89	69,1	30952	1	1	1	628,3415	1254,668	2
89	69,1	30955	1	1	1	628,3424	1254,67	2
89	69,1	33030	1	1	1	638,3386	1274,663	2
89	69,1	33031	1	1	1	638,3387	1274,663	2
89	69,1	33453	1	1	1	640,3584	1278,702	2
89	69,1	34009	1	1	1	643,3364	1284,658	2
89	69,1	34023	1	1	1	643,3502	1284,686	2
89	69,1	34077	1	1	1	643,836	1285,658	2
89	69,1	34080	1	1	1	643,8374	1285,66	2
89	69,1	34085	1	1	1	643,8383	1285,662	2
89	69,1	35398	1	1	1	649,8151	1297,616	2
89	69,1	35402	1	1	1	649,8176	1297,621	2
89	69,1	35403	1	1	1	649,8177	1297,621	2
89	69,1	35405	1	1	1	649,8181	1297,622	2
89	69,1	35408	1	1	1	649,8186	1297,623	2
89	69,1	35409	1	1	1	649,8186	1297,623	2
89	69,1	35410	1	1	1	649,8191	1297,624	2
89	69,1	35411	1	1	1	649,8193	1297,624	2
89	69,1	35412	1	1	1	649,82	1297,626	2
89	69,1	35414	1	1	1	649,8208	1297,627	2
89	69,1	36978	1	1	1	657,8864	1313,758	2
89	69,1	36980	1	1	1	657,8878	1313,761	2
89	69,1	36981	1	1	1	657,8885	1313,763	2
89	69,1	36984	1	1	1	657,8895	1313,765	2
89	69,1	36986	1	1	1	657,8902	1313,766	2
89	69,1	36987	1	1	1	657,9057	1313,797	2
89	69,1	37241	1	1	1	658,8691	1315,724	2
89	69,1	37242	1	1	1	658,8694	1315,724	2

89	69,1	37243	1	1	1	658,8707	1315,727	2
89	69,1	37244	1	1	1	658,8708	1315,727	2
89	69,1	37245	1	1	1	658,872	1315,73	2
89	69,1	37246	1	1	1	658,8728	1315,731	2
89	69,1	41670	1	1	1	678,8379	1355,661	2
89	69,1	42120	1	1	1	680,8687	1359,723	2
89	69,1	42212	1	1	1	681,3572	1360,7	2
89	69,1	42213	1	1	1	681,3577	1360,701	2
89	69,1	42214	1	1	1	681,3577	1360,701	2
89	69,1	42217	1	1	1	681,3582	1360,702	2
89	69,1	42220	1	1	1	681,3585	1360,703	2
89	69,1	42221	1	1	1	681,3586	1360,703	2
89	69,1	42222	1	1	1	681,3586	1360,703	2
89	69,1	42223	1	1	1	681,3586	1360,703	2
89	69,1	42225	1	1	1	681,3588	1360,703	2
89	69,1	42228	1	1	1	681,3592	1360,704	2
89	69,1	42230	1	1	1	681,3593	1360,704	2
89	69,1	42231	1	1	1	681,3593	1360,704	2
89	69,1	42232	1	1	1	681,3594	1360,704	2
89	69,1	42233	1	1	1	681,3594	1360,704	2
89	69,1	42234	1	1	1	681,3597	1360,705	2
89	69,1	42235	1	1	1	681,36	1360,706	2
89	69,1	42236	1	1	1	681,3604	1360,706	2
89	69,1	42285	1	1	1	681,8243	1361,634	2
89	69,1	44542	1	1	1	691,8692	1381,724	2
89	69,1	44543	1	1	1	691,8706	1381,727	2
89	69,1	44544	1	1	1	691,8709	1381,727	2
89	69,1	45073	1	1	1	694,8811	1387,748	2
89	69,1	45074	1	1	1	694,8818	1387,749	2
89	69,1	45076	1	1	1	694,8832	1387,752	2
89	69,1	48979	1	1	1	713,8476	1425,681	2
89	69,1	48980	1	1	1	713,8476	1425,681	2
89	69,1	48982	1	1	1	713,8484	1425,682	2
89	69,1	48983	1	1	1	713,8487	1425,683	2
89	69,1	48986	1	1	1	713,8496	1425,685	2
89	69,1	48988	1	1	1	713,8506	1425,687	2
89	69,1	48989	1	1	1	713,8509	1425,687	2
89	69,1	49863	1	1	1	717,3562	1432,698	2
89	69,1	50823	1	1	1	721,8878	1441,761	2
89	69,1	50824	1	1	1	721,8881	1441,762	2
89	69,1	50827	1	1	1	721,8905	1441,766	2
89	69,1	50828	1	1	1	721,8906	1441,767	2
89	69,1	50830	1	1	1	721,8914	1441,768	2
89	69,1	51059	1	1	1	722,4293	1442,844	2
89	69,1	51060	1	1	1	722,43	1442,845	2
89	69,1	52099	1	1	1	727,3666	1452,719	2
89	69,1	52108	1	1	1	727,3672	1452,72	2
89	69,1	52109	1	1	1	727,3673	1452,72	2

89	69,1	52111	1	1	1	727,3674	1452,72	2
89	69,1	52112	1	1	1	727,3676	1452,721	2
89	69,1	52125	1	1	1	727,3681	1452,722	2
89	69,1	52126	1	1	1	727,3682	1452,722	2
89	69,1	52137	1	1	1	727,3686	1452,723	2
89	69,1	52140	1	1	1	727,3689	1452,723	2
89	69,1	52149	1	1	1	727,3703	1452,726	2
89	69,1	52168	1	1	1	727,3887	1452,763	2
89	69,1	52169	1	1	1	727,3899	1452,765	2
89	69,1	57241	1	1	1	749,3823	1496,75	2
89	69,1	57808	1	1	1	752,3939	1502,773	2
89	69,1	10132	1	1	1	513,925	1538,753	3
89	69,1	10134	1	1	1	513,926	1538,756	3
89	69,1	10135	1	1	1	513,9263	1538,757	3
89	69,1	61587	1	1	1	770,3865	1538,758	2
89	69,1	61588	1	1	1	770,3867	1538,759	2
89	69,1	61589	1	1	1	770,3868	1538,759	2
89	69,1	61590	1	1	1	770,3875	1538,761	2
89	69,1	61592	1	1	1	770,3882	1538,762	2
89	69,1	61600	1	1	1	770,3895	1538,765	2
89	69,1	61601	1	1	1	770,3896	1538,765	2
89	69,1	61605	1	1	1	770,3909	1538,767	2
89	69,1	61607	1	1	1	770,3912	1538,768	2
89	69,1	61610	1	1	1	770,392	1538,769	2
89	69,1	62518	1	1	1	774,8693	1547,724	2
89	69,1	64430	1	1	1	783,9344	1565,854	2
89	69,1	11927	1	1	1	524,2879	1569,842	3
89	69,1	64866	1	1	1	785,9375	1569,86	2
89	69,1	64867	1	1	1	785,9381	1569,862	2
89	69,1	64868	1	1	1	785,9383	1569,862	2
89	69,1	64869	1	1	1	785,9389	1569,863	2
89	69,1	68433	1	1	1	802,9203	1603,826	2
89	69,1	68435	1	1	1	802,922	1603,83	2
89	69,1	68436	1	1	1	802,9221	1603,83	2
89	69,1	68438	1	1	1	802,9229	1603,831	2
89	69,1	68439	1	1	1	802,9234	1603,832	2
89	69,1	68440	1	1	1	802,9236	1603,833	2
89	69,1	68441	1	1	1	802,9242	1603,834	2
89	69,1	68442	1	1	1	802,9248	1603,835	2
89	69,1	70586	1	1	1	813,4091	1624,804	2
89	69,1	71677	1	1	1	819,4477	1636,881	2
89	69,1	71678	1	1	1	819,4483	1636,882	2
89	69,1	71679	1	1	1	819,4485	1636,883	2
89	69,1	71680	1	1	1	819,449	1636,883	2
89	69,1	71681	1	1	1	819,4491	1636,884	2
89	69,1	71682	1	1	1	819,4493	1636,884	2
89	69,1	71685	1	1	1	819,4496	1636,885	2
89	69,1	71686	1	1	1	819,4499	1636,885	2

89	69,1	71688	1	1	1	819,4502	1636,886	2
89	69,1	71689	1	1	1	819,4507	1636,887	2
89	69,1	71690	1	1	1	819,4508	1636,887	2
89	69,1	71691	1	1	1	819,4509	1636,887	2
89	69,1	71692	1	1	1	819,4511	1636,888	2
89	69,1	71693	1	1	1	819,4511	1636,888	2
89	69,1	71694	1	1	1	819,4512	1636,888	2
89	69,1	71696	1	1	1	819,4516	1636,889	2
89	69,1	71697	1	1	1	819,452	1636,89	2
89	69,1	71698	1	1	1	819,4521	1636,89	2
89	69,1	71699	1	1	1	819,4523	1636,89	2
89	69,1	71701	1	1	1	819,4529	1636,891	2
89	69,1	71702	1	1	1	819,453	1636,892	2
89	69,1	71703	1	1	1	819,4533	1636,892	2
89	69,1	71704	1	1	1	819,4535	1636,893	2
89	69,1	71706	1	1	1	819,4541	1636,894	2
89	69,1	71707	1	1	1	819,4547	1636,895	2
89	69,1	72223	1	1	1	821,4555	1640,896	2
89	69,1	72225	1	1	1	821,4572	1640,9	2
89	69,1	72768	1	1	1	824,4046	1646,795	2
89	69,1	72769	1	1	1	824,4052	1646,796	2
89	69,1	18150	1	1	1	562,9797	1685,917	3
89	69,1	18152	1	1	1	562,9803	1685,919	3
89	69,1	76656	1	1	1	843,9684	1685,922	2
89	69,1	76657	1	1	1	843,9702	1685,926	2
89	69,1	76658	1	1	1	843,9706	1685,927	2
89	69,1	76659	1	1	1	843,9722	1685,93	2
89	69,1	18705	1	1	1	565,9564	1694,847	3
89	69,1	18714	1	1	1	565,9576	1694,851	3
89	69,1	18717	1	1	1	565,9577	1694,851	3
89	69,1	18726	1	1	1	565,9582	1694,853	3
89	69,1	18727	1	1	1	565,9582	1694,853	3
89	69,1	18737	1	1	1	565,9596	1694,857	3
89	69,1	18739	1	1	1	565,9599	1694,858	3
89	69,1	18740	1	1	1	565,9599	1694,858	3
89	69,1	18741	1	1	1	565,96	1694,858	3
89	69,1	18743	1	1	1	565,9601	1694,858	3
89	69,1	77491	1	1	1	848,4371	1694,86	2
89	69,1	18744	1	1	1	565,9606	1694,86	3
89	69,1	18745	1	1	1	565,961	1694,861	3
89	69,1	18747	1	1	1	565,9611	1694,862	3
89	69,1	77502	1	1	1	848,4408	1694,867	2
89	69,1	20337	1	1	1	575,6378	1723,892	3
89	69,1	80239	1	1	1	862,9606	1723,907	2
89	69,1	80241	1	1	1	862,9609	1723,907	2
89	69,1	80242	1	1	1	862,9614	1723,908	2
89	69,1	80243	1	1	1	862,9622	1723,91	2
89	69,1	80249	1	1	1	862,9655	1723,917	2

89	69,1	80250	1	1	1	862,9669	1723,919	2
89	69,1	80674	1	1	1	864,9731	1727,932	2
89	69,1	80675	1	1	1	864,9732	1727,932	2
89	69,1	21359	1	1	1	580,3006	1737,88	3
89	69,1	81655	1	1	1	869,9541	1737,894	2
89	69,1	82384	1	1	1	873,9372	1745,86	2
89	69,1	82387	1	1	1	873,9381	1745,862	2
89	69,1	88264	1	1	1	905,4245	1808,835	2
89	69,1	89690	1	1	1	912,4976	1822,981	2
89	69,1	95836	1	1	1	946,504	1890,993	2
89	69,1	31768	1	1	1	632,333	1893,977	3
89	69,1	31774	1	1	1	632,3366	1893,988	3
89	69,1	31776	1	1	1	632,3378	1893,992	3
89	69,1	97236	1	1	1	955,4711	1908,928	2
89	69,1	100430	1	1	1	975,0115	1948,009	2
89	69,1	100431	1	1	1	975,0129	1948,011	2
89	69,1	100432	1	1	1	975,0135	1948,013	2
89	69,1	35771	1	1	1	651,3457	1951,015	3
89	69,1	100689	1	1	1	976,523	1951,032	2
89	69,1	100691	1	1	1	976,5235	1951,033	2
89	69,1	100692	1	1	1	976,5237	1951,033	2
89	69,1	100694	1	1	1	976,5239	1951,033	2
89	69,1	100708	1	1	1	976,5272	1951,04	2
89	69,1	101735	1	1	1	983,9827	1965,951	2
89	69,1	101736	1	1	1	983,9839	1965,953	2
89	69,1	106030	1	1	1	1012,999	2023,983	2
89	69,1	106031	1	1	1	1013,004	2023,994	2
89	69,1	42499	1	1	1	682,6574	2044,951	3
89	69,1	42501	1	1	1	682,659	2044,955	3
89	69,1	109200	1	1	1	1032,526	2063,037	2
89	69,1	109201	1	1	1	1032,526	2063,038	2
89	69,1	46691	1	1	1	703,0611	2106,162	3
89	69,1	46692	1	1	1	703,0615	2106,163	3
89	69,1	112777	1	1	1	1057,516	2113,018	2
89	69,1	115959	1	1	1	1082,062	2162,109	2
89	69,1	115960	1	1	1	1082,062	2162,109	2
89	69,1	51964	1	1	1	726,7357	2177,185	3
89	69,1	51965	1	1	1	726,737	2177,189	3
89	69,1	51967	1	1	1	726,7372	2177,19	3
89	69,1	51968	1	1	1	726,7374	2177,19	3
89	69,1	51970	1	1	1	726,7377	2177,191	3
89	69,1	51972	1	1	1	726,7379	2177,192	3
89	69,1	51974	1	1	1	726,738	2177,192	3
89	69,1	51975	1	1	1	726,7381	2177,193	3
89	69,1	51976	1	1	1	726,7383	2177,193	3
89	69,1	51978	1	1	1	726,7387	2177,194	3
89	69,1	117123	1	1	1	1089,606	2177,198	2
89	69,1	51983	1	1	1	726,7409	2177,201	3

89	69,1	51984	1	1	1	726,7413	2177,202	3
89	69,1	51986	1	1	1	726,7427	2177,206	3
89	69,1	118995	1	1	1	1107,05	2212,086	2
89	69,1	121551	1	1	1	1131,593	2261,171	2
89	69,1	121552	1	1	1	1131,595	2261,175	2
89	69,1	72241	1	1	1	821,7313	2462,172	3
89	69,1	129152	1	1	1	1232,096	2462,177	2
89	69,1	129153	1	1	1	1232,096	2462,177	2
89	69,1	129154	1	1	1	1232,096	2462,178	2
89	69,1	72293	1	1	1	822,1015	2463,283	3
89	69,1	72294	1	1	1	822,102	2463,284	3
89	69,1	131993	1	1	1	1308,188	2614,361	2
89	69,1	84243	1	1	1	884,1333	2649,378	3
89	69,1	132949	1	1	1	1349,17	2696,325	2
89	69,1	88795	1	1	1	907,8121	2720,415	3
89	69,1	88796	1	1	1	907,814	2720,42	3
89	69,1	133248	1	1	1	1372,238	2742,461	2
89	69,1	90148	1	1	1	915,1621	2742,465	3
89	69,1	90150	1	1	1	915,1653	2742,474	3
89	69,1	99373	1	1	1	969,1859	2904,536	3
89	69,1	107341	1	1	1	1021,223	3060,646	3
89	69,1	107342	1	1	1	1021,224	3060,649	3
89	69,1	123575	1	1	1	1154,597	3460,77	3
89	69,1	123578	1	1	1	1154,601	3460,781	3
89	69,1	123582	1	1	1	1154,605	3460,794	3
89	69,1	125163	1	1	1	1174,309	3519,904	3
89	69,1	125165	1	1	1	1174,309	3519,904	3
89	69,1	130171	1	1	1	1253,601	3757,78	3
89	69,1	130175	1	1	1	1253,603	3757,788	3
55	74,7	5651	1	1	1	480,8115	959,6084	2
55	74,7	5652	1	1	1	480,8115	959,6084	2
55	74,7	19789	1	1	1	572,3284	1142,642	2
55	74,7	19790	1	1	1	572,3288	1142,643	2
55	74,7	19791	1	1	1	572,3296	1142,645	2
55	74,7	19792	1	1	1	572,3304	1142,646	2
55	74,7	19793	1	1	1	572,3305	1142,647	2
55	74,7	19794	1	1	1	572,3313	1142,648	2
55	74,7	23967	1	1	1	593,3782	1184,742	2
55	74,7	23968	1	1	1	593,3785	1184,743	2
55	74,7	23969	1	1	1	593,379	1184,743	2
55	74,7	26109	1	1	1	605,8071	1209,6	2
55	74,7	26113	1	1	1	605,8119	1209,609	2
55	74,7	27704	1	1	1	613,8046	1225,595	2
55	74,7	28152	1	1	1	615,8393	1229,664	2
55	74,7	28154	1	1	1	615,8404	1229,666	2
55	74,7	28156	1	1	1	615,8425	1229,67	2
55	74,7	28157	1	1	1	615,8521	1229,69	2
55	74,7	32630	1	1	1	636,3774	1270,74	2



55	74,7	33041	1	1	1	638,3479	1274,681	2
55	74,7	33042	1	1	1	638,3485	1274,682	2
55	74,7	33349	1	1	1	640,2826	1278,551	2
55	74,7	33351	1	1	1	640,2839	1278,553	2
55	74,7	33352	1	1	1	640,2839	1278,553	2
55	74,7	33356	1	1	1	640,2851	1278,556	2
55	74,7	33357	1	1	1	640,2853	1278,556	2
55	74,7	33358	1	1	1	640,2856	1278,557	2
55	74,7	34889	1	1	1	647,2985	1292,583	2
55	74,7	34890	1	1	1	647,2989	1292,583	2
55	74,7	39679	1	1	1	669,8551	1337,696	2
55	74,7	39681	1	1	1	669,8553	1337,696	2
55	74,7	39685	1	1	1	669,8559	1337,697	2
55	74,7	39687	1	1	1	669,8562	1337,698	2
55	74,7	39691	1	1	1	669,8575	1337,7	2
55	74,7	39692	1	1	1	669,8575	1337,7	2
55	74,7	39693	1	1	1	669,8581	1337,702	2
55	74,7	41332	1	1	1	676,8576	1351,701	2
55	74,7	41335	1	1	1	676,8585	1351,703	2
55	74,7	41336	1	1	1	676,8587	1351,703	2
55	74,7	41338	1	1	1	676,8591	1351,704	2
55	74,7	41341	1	1	1	676,8703	1351,726	2
55	74,7	42054	1	1	1	680,3751	1358,736	2
55	74,7	43079	1	1	1	684,8552	1367,696	2
55	74,7	43086	1	1	1	684,8577	1367,701	2
55	74,7	43300	1	1	1	685,914	1369,814	2
55	74,7	43301	1	1	1	685,9141	1369,814	2
55	74,7	43302	1	1	1	685,9159	1369,817	2
55	74,7	46936	1	1	1	704,3313	1406,648	2
55	74,7	46937	1	1	1	704,3335	1406,652	2
55	74,7	48029	1	1	1	708,8856	1415,757	2
55	74,7	48031	1	1	1	708,8869	1415,759	2
55	74,7	48032	1	1	1	708,8874	1415,76	2
55	74,7	52208	1	1	1	727,427	1452,839	2
55	74,7	54528	1	1	1	737,3703	1472,726	2
55	74,7	54531	1	1	1	737,3717	1472,729	2
55	74,7	56300	1	1	1	745,3648	1488,715	2
55	74,7	8933	1	1	1	505,9462	1514,817	3
55	74,7	59194	1	1	1	758,4195	1514,824	2
55	74,7	59195	1	1	1	758,4198	1514,825	2
55	74,7	59198	1	1	1	758,4201	1514,826	2
55	74,7	59200	1	1	1	758,4204	1514,826	2
55	74,7	59202	1	1	1	758,422	1514,83	2
55	74,7	13332	1	1	1	533,6033	1597,788	3
55	74,7	13333	1	1	1	533,604	1597,79	3
55	74,7	67703	1	1	1	799,9028	1597,791	2
55	74,7	68428	1	1	1	802,8901	1603,766	2
55	74,7	15043	1	1	1	545,6018	1633,784	3

55	74,7	72226	1	1	1	821,459	1640,903	2
55	74,7	72958	1	1	1	825,8532	1649,692	2
55	74,7	76144	1	1	1	841,4326	1680,851	2
55	74,7	76654	1	1	1	843,9598	1685,905	2
55	74,7	76712	1	1	1	844,4357	1686,857	2
55	74,7	77698	1	1	1	849,4308	1696,847	2
55	74,7	78315	1	1	1	852,431	1702,848	2
55	74,7	78316	1	1	1	852,4313	1702,848	2
55	74,7	78318	1	1	1	852,432	1702,849	2
55	74,7	78320	1	1	1	852,4324	1702,85	2
55	74,7	78321	1	1	1	852,4324	1702,85	2
55	74,7	78322	1	1	1	852,4326	1702,851	2
55	74,7	78323	1	1	1	852,4327	1702,851	2
55	74,7	78324	1	1	1	852,4328	1702,851	2
55	74,7	78325	1	1	1	852,4328	1702,851	2
55	74,7	78326	1	1	1	852,433	1702,851	2
55	74,7	78327	1	1	1	852,433	1702,852	2
55	74,7	78328	1	1	1	852,4338	1702,853	2
55	74,7	78330	1	1	1	852,434	1702,854	2
55	74,7	78332	1	1	1	852,4341	1702,854	2
55	74,7	78333	1	1	1	852,4343	1702,854	2
55	74,7	78334	1	1	1	852,4343	1702,854	2
55	74,7	78336	1	1	1	852,4344	1702,854	2
55	74,7	78337	1	1	1	852,4345	1702,854	2
55	74,7	78338	1	1	1	852,4345	1702,855	2
55	74,7	78340	1	1	1	852,4346	1702,855	2
55	74,7	78342	1	1	1	852,4352	1702,856	2
55	74,7	78344	1	1	1	852,4354	1702,856	2
55	74,7	78346	1	1	1	852,4357	1702,857	2
55	74,7	78347	1	1	1	852,436	1702,857	2
55	74,7	78349	1	1	1	852,4366	1702,859	2
55	74,7	78351	1	1	1	852,4369	1702,859	2
55	74,7	79735	1	1	1	860,4041	1718,794	2
55	74,7	79736	1	1	1	860,4052	1718,796	2
55	74,7	79737	1	1	1	860,4053	1718,796	2
55	74,7	79738	1	1	1	860,4054	1718,796	2
55	74,7	21528	1	1	1	581,6678	1741,982	3
55	74,7	21529	1	1	1	581,6681	1741,983	3
55	74,7	21530	1	1	1	581,6694	1741,986	3
55	74,7	83895	1	1	1	881,9835	1761,952	2
55	74,7	22924	1	1	1	588,9426	1763,806	3
55	74,7	84049	1	1	1	882,9125	1763,811	2
55	74,7	84050	1	1	1	882,913	1763,812	2
55	74,7	84051	1	1	1	882,9133	1763,812	2
55	74,7	84053	1	1	1	882,9139	1763,813	2
55	74,7	84054	1	1	1	882,914	1763,813	2
55	74,7	84652	1	1	1	885,9809	1769,947	2
55	74,7	86388	1	1	1	895,9221	1789,83	2

55	74,7	86390	1	1	1	895,924	1789,834	2
55	74,7	86391	1	1	1	895,926	1789,838	2
55	74,7	86394	1	1	1	895,928	1789,841	2
55	74,7	87893	1	1	1	903,4332	1804,852	2
55	74,7	87898	1	1	1	903,4358	1804,857	2
55	74,7	87901	1	1	1	903,4365	1804,858	2
55	74,7	88011	1	1	1	903,9188	1805,823	2
55	74,7	88014	1	1	1	903,9207	1805,827	2
55	74,7	91943	1	1	1	923,972	1845,929	2
55	74,7	91944	1	1	1	923,974	1845,933	2
55	74,7	95789	1	1	1	946,4446	1890,875	2
55	74,7	95791	1	1	1	946,4466	1890,879	2
55	74,7	95793	1	1	1	946,4471	1890,88	2
55	74,7	95795	1	1	1	946,4493	1890,884	2
55	74,7	96441	1	1	1	950,5021	1898,99	2
55	74,7	96469	1	1	1	950,9039	1899,793	2
55	74,7	96470	1	1	1	950,904	1899,793	2
55	74,7	96471	1	1	1	950,904	1899,793	2
55	74,7	96472	1	1	1	950,9053	1899,796	2
55	74,7	96474	1	1	1	950,9059	1899,797	2
55	74,7	96476	1	1	1	950,9083	1899,802	2
55	74,7	96477	1	1	1	950,9087	1899,803	2
55	74,7	97039	1	1	1	954,4436	1906,873	2
55	74,7	97812	1	1	1	958,898	1915,782	2
55	74,7	97813	1	1	1	958,8981	1915,782	2
55	74,7	97814	1	1	1	958,8988	1915,783	2
55	74,7	97815	1	1	1	958,8993	1915,784	2
55	74,7	97816	1	1	1	958,8994	1915,784	2
55	74,7	97817	1	1	1	958,8996	1915,785	2
55	74,7	97818	1	1	1	958,8998	1915,785	2
55	74,7	97819	1	1	1	958,8998	1915,785	2
55	74,7	97820	1	1	1	958,9002	1915,786	2
55	74,7	97821	1	1	1	958,9007	1915,787	2
55	74,7	97822	1	1	1	958,9007	1915,787	2
55	74,7	97823	1	1	1	958,9013	1915,788	2
55	74,7	97824	1	1	1	958,9015	1915,789	2
55	74,7	97825	1	1	1	958,9016	1915,789	2
55	74,7	97826	1	1	1	958,9022	1915,79	2
55	74,7	97827	1	1	1	958,9024	1915,79	2
55	74,7	97828	1	1	1	958,9027	1915,791	2
55	74,7	97830	1	1	1	958,9037	1915,793	2
55	74,7	97831	1	1	1	958,9038	1915,793	2
55	74,7	97832	1	1	1	958,904	1915,794	2
55	74,7	97834	1	1	1	958,9054	1915,796	2
55	74,7	97835	1	1	1	958,906	1915,798	2
55	74,7	97836	1	1	1	958,9077	1915,801	2
55	74,7	97837	1	1	1	958,9077	1915,801	2
55	74,7	99010	1	1	1	966,8941	1931,774	2

55	74,7	99013	1	1	1	966,8969	1931,779	2
55	74,7	99014	1	1	1	966,9005	1931,787	2
55	74,7	35140	1	1	1	648,3257	1941,955	3
55	74,7	35143	1	1	1	648,3264	1941,958	3
55	74,7	39383	1	1	1	668,3368	2001,989	3
55	74,7	39384	1	1	1	668,3371	2001,989	3
55	74,7	39385	1	1	1	668,3371	2001,99	3
55	74,7	39386	1	1	1	668,3371	2001,99	3
55	74,7	41591	1	1	1	678,3328	2031,977	3
55	74,7	41594	1	1	1	678,3357	2031,985	3
55	74,7	42502	1	1	1	682,6613	2044,962	3
55	74,7	107722	1	1	1	1023,501	2044,987	2
55	74,7	47334	1	1	1	705,3775	2113,111	3
55	74,7	47335	1	1	1	705,3779	2113,112	3
55	74,7	112822	1	1	1	1057,567	2113,119	2
55	74,7	48413	1	1	1	710,7099	2129,108	3
55	74,7	48475	1	1	1	711,0389	2130,095	3
55	74,7	114555	1	1	1	1071,491	2140,968	2
55	74,7	114558	1	1	1	1071,493	2140,971	2
55	74,7	114563	1	1	1	1071,494	2140,973	2
55	74,7	50367	1	1	1	719,9919	2156,954	3
55	74,7	50369	1	1	1	719,9925	2156,956	3
55	74,7	50370	1	1	1	719,9935	2156,959	3
55	74,7	50371	1	1	1	719,9942	2156,961	3
55	74,7	50373	1	1	1	719,9948	2156,963	3
55	74,7	50374	1	1	1	719,9953	2156,964	3
55	74,7	50375	1	1	1	719,9956	2156,965	3
55	74,7	50376	1	1	1	719,9957	2156,965	3
55	74,7	50378	1	1	1	719,9958	2156,966	3
55	74,7	50379	1	1	1	719,9959	2156,966	3
55	74,7	50380	1	1	1	719,996	2156,966	3
55	74,7	51687	1	1	1	725,3262	2172,957	3
55	74,7	51688	1	1	1	725,3274	2172,96	3
55	74,7	51689	1	1	1	725,3284	2172,963	3
55	74,7	59898	1	1	1	762,0685	2283,184	3
55	74,7	124609	1	1	1	1168,086	2334,157	2
55	74,7	124611	1	1	1	1168,09	2334,164	2
55	74,7	63846	1	1	1	780,7045	2339,092	3
55	74,7	68902	1	1	1	805,4335	2413,279	3
55	74,7	77401	1	1	1	848,099	2541,275	3
55	74,7	81212	1	1	1	868,1205	2601,34	3
55	74,7	131835	1	1	1	1301,677	2601,34	2
55	74,7	81213	1	1	1	868,1233	2601,348	3
55	74,7	81215	1	1	1	868,1236	2601,349	3
55	74,7	81216	1	1	1	868,1244	2601,351	3
55	74,7	82316	1	1	1	873,4547	2617,342	3
55	74,7	89395	1	1	1	910,8259	2729,456	3
55	74,7	91025	1	1	1	919,478	2755,412	3

55	74,7	91027	1	1	1	919,4784	2755,413	3
55	74,7	122662	1	1	1	1143,226	3426,657	3
55	74,7	122664	1	1	1	1143,229	3426,666	3
51	62,4	668	1	1	1	400,7017	799,3888	2
51	62,4	669	1	1	1	400,7018	799,3891	2
51	62,4	842	1	1	1	406,7244	811,4341	2
51	62,4	845	1	1	1	406,7256	811,4365	2
51	62,4	847	1	1	1	406,7261	811,4376	2
51	62,4	850	1	1	1	406,7262	811,4378	2
51	62,4	2374	1	1	1	442,2443	882,474	2
51	62,4	2375	1	1	1	442,2447	882,4749	2
51	62,4	2377	1	1	1	442,2456	882,4767	2
51	62,4	3094	1	1	1	453,7518	905,4891	2
51	62,4	6881	1	1	1	490,7519	979,4892	2
51	62,4	6883	1	1	1	490,7521	979,4897	2
51	62,4	7633	1	1	1	496,718	991,4214	2
51	62,4	7638	1	1	1	496,7189	991,4232	2
51	62,4	7644	1	1	1	496,7195	991,4244	2
51	62,4	7652	1	1	1	496,7202	991,4259	2
51	62,4	7653	1	1	1	496,7203	991,4259	2
51	62,4	7654	1	1	1	496,7203	991,426	2
51	62,4	7655	1	1	1	496,7203	991,4261	2
51	62,4	7656	1	1	1	496,7204	991,4262	2
51	62,4	7658	1	1	1	496,7206	991,4266	2
51	62,4	7662	1	1	1	496,721	991,4274	2
51	62,4	8704	1	1	1	504,2769	1006,539	2
51	62,4	9038	1	1	1	506,7642	1011,514	2
51	62,4	9042	1	1	1	506,7657	1011,517	2
51	62,4	9043	1	1	1	506,7661	1011,518	2
51	62,4	9845	1	1	1	512,2428	1022,471	2
51	62,4	12079	1	1	1	525,2801	1048,546	2
51	62,4	12912	1	1	1	530,8069	1059,599	2
51	62,4	12914	1	1	1	530,8077	1059,601	2
51	62,4	14125	1	1	1	538,7347	1075,455	2
51	62,4	14613	1	1	1	542,2844	1082,554	2
51	62,4	16326	1	1	1	553,2629	1104,511	2
51	62,4	16496	1	1	1	554,7985	1107,582	2
51	62,4	16497	1	1	1	554,7988	1107,583	2
51	62,4	16498	1	1	1	554,7991	1107,584	2
51	62,4	16500	1	1	1	554,7994	1107,584	2
51	62,4	16501	1	1	1	554,7995	1107,585	2
51	62,4	16502	1	1	1	554,7999	1107,585	2
51	62,4	16503	1	1	1	554,8004	1107,586	2
51	62,4	16504	1	1	1	554,8006	1107,587	2
51	62,4	16505	1	1	1	554,8018	1107,589	2
51	62,4	17669	1	1	1	560,7674	1119,52	2
51	62,4	17670	1	1	1	560,7676	1119,521	2
51	62,4	17671	1	1	1	560,7677	1119,521	2

51	62,4	17674	1	1	1	560,7678	1119,521	2
51	62,4	17687	1	1	1	560,7685	1119,523	2
51	62,4	17690	1	1	1	560,7687	1119,523	2
51	62,4	17691	1	1	1	560,7689	1119,523	2
51	62,4	17696	1	1	1	560,7694	1119,524	2
51	62,4	17699	1	1	1	560,7698	1119,525	2
51	62,4	17701	1	1	1	560,77	1119,526	2
51	62,4	17702	1	1	1	560,7702	1119,526	2
51	62,4	17705	1	1	1	560,7704	1119,526	2
51	62,4	17707	1	1	1	560,7704	1119,526	2
51	62,4	17710	1	1	1	560,7711	1119,528	2
51	62,4	19439	1	1	1	570,7947	1139,575	2
51	62,4	19441	1	1	1	570,7948	1139,575	2
51	62,4	19442	1	1	1	570,7949	1139,575	2
51	62,4	19443	1	1	1	570,7952	1139,576	2
51	62,4	19445	1	1	1	570,7954	1139,576	2
51	62,4	21149	1	1	1	579,3314	1156,648	2
51	62,4	21157	1	1	1	579,3325	1156,65	2
51	62,4	21165	1	1	1	579,3333	1156,652	2
51	62,4	21166	1	1	1	579,3335	1156,653	2
51	62,4	21167	1	1	1	579,3336	1156,653	2
51	62,4	21172	1	1	1	579,3339	1156,653	2
51	62,4	21187	1	1	1	579,3347	1156,655	2
51	62,4	21190	1	1	1	579,3348	1156,655	2
51	62,4	22173	1	1	1	584,7736	1167,533	2
51	62,4	22174	1	1	1	584,7737	1167,533	2
51	62,4	22176	1	1	1	584,774	1167,533	2
51	62,4	22177	1	1	1	584,7745	1167,535	2
51	62,4	22179	1	1	1	584,7751	1167,536	2
51	62,4	22180	1	1	1	584,7751	1167,536	2
51	62,4	22181	1	1	1	584,7753	1167,536	2
51	62,4	22182	1	1	1	584,7772	1167,54	2
51	62,4	22183	1	1	1	584,7781	1167,542	2
51	62,4	22185	1	1	1	584,7789	1167,543	2
51	62,4	23355	1	1	1	590,8003	1179,586	2
51	62,4	23357	1	1	1	590,8016	1179,589	2
51	62,4	23358	1	1	1	590,8016	1179,589	2
51	62,4	23360	1	1	1	590,803	1179,591	2
51	62,4	24828	1	1	1	598,7994	1195,584	2
51	62,4	28386	1	1	1	617,3099	1232,605	2
51	62,4	28391	1	1	1	617,3104	1232,606	2
51	62,4	28393	1	1	1	617,3109	1232,607	2
51	62,4	28398	1	1	1	617,3114	1232,608	2
51	62,4	28400	1	1	1	617,3115	1232,608	2
51	62,4	28401	1	1	1	617,3116	1232,609	2
51	62,4	28403	1	1	1	617,3118	1232,609	2
51	62,4	28412	1	1	1	617,3143	1232,614	2
51	62,4	31256	1	1	1	629,8572	1257,7	2

51	62,4	31263	1	1	1	629,8579	1257,701	2
51	62,4	31265	1	1	1	629,8579	1257,701	2
51	62,4	31266	1	1	1	629,8582	1257,702	2
51	62,4	31270	1	1	1	629,8587	1257,703	2
51	62,4	31275	1	1	1	629,8605	1257,707	2
51	62,4	31551	1	1	1	631,2989	1260,583	2
51	62,4	31557	1	1	1	631,3007	1260,587	2
51	62,4	32111	1	1	1	634,3186	1266,623	2
51	62,4	32112	1	1	1	634,3186	1266,623	2
51	62,4	32114	1	1	1	634,3191	1266,624	2
51	62,4	32115	1	1	1	634,3199	1266,625	2
51	62,4	32116	1	1	1	634,3199	1266,625	2
51	62,4	32117	1	1	1	634,3199	1266,625	2
51	62,4	32330	1	1	1	635,2988	1268,583	2
51	62,4	32331	1	1	1	635,2991	1268,584	2
51	62,4	32334	1	1	1	635,3001	1268,586	2
51	62,4	32338	1	1	1	635,3009	1268,587	2
51	62,4	33797	1	1	1	642,3152	1282,616	2
51	62,4	33801	1	1	1	642,3154	1282,616	2
51	62,4	33802	1	1	1	642,3154	1282,616	2
51	62,4	33804	1	1	1	642,3155	1282,617	2
51	62,4	40555	1	1	1	673,8496	1345,685	2
51	62,4	40565	1	1	1	673,8527	1345,691	2
51	62,4	40566	1	1	1	673,8529	1345,691	2
51	62,4	40568	1	1	1	673,8531	1345,692	2
51	62,4	40569	1	1	1	673,8531	1345,692	2
51	62,4	40576	1	1	1	673,8535	1345,693	2
51	62,4	40581	1	1	1	673,8543	1345,694	2
51	62,4	40582	1	1	1	673,8544	1345,694	2
51	62,4	40585	1	1	1	673,8564	1345,698	2
51	62,4	40587	1	1	1	673,8575	1345,701	2
51	62,4	41864	1	1	1	679,8226	1357,631	2
51	62,4	41868	1	1	1	679,8242	1357,634	2
51	62,4	41870	1	1	1	679,8243	1357,634	2
51	62,4	41871	1	1	1	679,8244	1357,634	2
51	62,4	41877	1	1	1	679,8259	1357,637	2
51	62,4	41879	1	1	1	679,8266	1357,639	2
51	62,4	41883	1	1	1	679,8272	1357,64	2
51	62,4	41886	1	1	1	679,8276	1357,641	2
51	62,4	45175	1	1	1	695,3785	1388,743	2
51	62,4	45176	1	1	1	695,3786	1388,743	2
51	62,4	45179	1	1	1	695,379	1388,743	2
51	62,4	45182	1	1	1	695,3793	1388,744	2
51	62,4	45184	1	1	1	695,3796	1388,745	2
51	62,4	45186	1	1	1	695,3797	1388,745	2
51	62,4	45192	1	1	1	695,3823	1388,75	2
51	62,4	46799	1	1	1	703,3757	1404,737	2
51	62,4	46813	1	1	1	703,3775	1404,741	2

51	62,4	48003	1	1	1	708,8349	1415,655	2
51	62,4	48004	1	1	1	708,8349	1415,655	2
51	62,4	5314	1	1	1	477,5655	1429,675	3
51	62,4	49450	1	1	1	715,8468	1429,679	2
51	62,4	49451	1	1	1	715,8472	1429,68	2
51	62,4	49452	1	1	1	715,8473	1429,68	2
51	62,4	49457	1	1	1	715,8485	1429,682	2
51	62,4	49463	1	1	1	715,8492	1429,684	2
51	62,4	49466	1	1	1	715,8493	1429,684	2
51	62,4	49467	1	1	1	715,8493	1429,684	2
51	62,4	49471	1	1	1	715,8498	1429,685	2
51	62,4	49472	1	1	1	715,8498	1429,685	2
51	62,4	49474	1	1	1	715,85	1429,685	2
51	62,4	49476	1	1	1	715,8501	1429,686	2
51	62,4	49477	1	1	1	715,8501	1429,686	2
51	62,4	49479	1	1	1	715,8504	1429,686	2
51	62,4	49480	1	1	1	715,8504	1429,686	2
51	62,4	49482	1	1	1	715,8511	1429,688	2
51	62,4	49483	1	1	1	715,8513	1429,688	2
51	62,4	49487	1	1	1	715,8524	1429,69	2
51	62,4	49488	1	1	1	715,8527	1429,691	2
51	62,4	51270	1	1	1	723,3909	1444,767	2
51	62,4	51271	1	1	1	723,3914	1444,768	2
51	62,4	51273	1	1	1	723,3919	1444,769	2
51	62,4	5902	1	1	1	482,8987	1445,674	3
51	62,4	51324	1	1	1	723,8447	1445,675	2
51	62,4	51329	1	1	1	723,8452	1445,676	2
51	62,4	51331	1	1	1	723,8453	1445,676	2
51	62,4	51335	1	1	1	723,8455	1445,677	2
51	62,4	51336	1	1	1	723,8457	1445,677	2
51	62,4	51338	1	1	1	723,8458	1445,677	2
51	62,4	51339	1	1	1	723,8458	1445,677	2
51	62,4	51340	1	1	1	723,8459	1445,677	2
51	62,4	51341	1	1	1	723,8459	1445,677	2
51	62,4	51343	1	1	1	723,8461	1445,678	2
51	62,4	51344	1	1	1	723,8462	1445,678	2
51	62,4	51345	1	1	1	723,8463	1445,678	2
51	62,4	51347	1	1	1	723,8464	1445,678	2
51	62,4	51349	1	1	1	723,8465	1445,678	2
51	62,4	51352	1	1	1	723,847	1445,679	2
51	62,4	51357	1	1	1	723,8477	1445,681	2
51	62,4	51360	1	1	1	723,8488	1445,683	2
51	62,4	51362	1	1	1	723,8494	1445,684	2
51	62,4	51363	1	1	1	723,8508	1445,687	2
51	62,4	7060	1	1	1	492,2671	1473,779	3
51	62,4	7066	1	1	1	492,2686	1473,784	3
51	62,4	54745	1	1	1	737,9012	1473,788	2
51	62,4	54746	1	1	1	737,902	1473,79	2



51	62,4	55800	1	1	1	743,3723	1484,73	2
51	62,4	55802	1	1	1	743,373	1484,731	2
51	62,4	55804	1	1	1	743,3735	1484,733	2
51	62,4	56037	1	1	1	744,3541	1486,694	2
51	62,4	56039	1	1	1	744,3555	1486,697	2
51	62,4	56043	1	1	1	744,3574	1486,7	2
51	62,4	61491	1	1	1	769,8724	1537,73	2
51	62,4	61492	1	1	1	769,8727	1537,731	2
51	62,4	62118	1	1	1	772,8629	1543,711	2
51	62,4	62119	1	1	1	772,863	1543,711	2
51	62,4	62121	1	1	1	772,8646	1543,715	2
51	62,4	62125	1	1	1	772,8667	1543,719	2
51	62,4	62126	1	1	1	772,867	1543,719	2
51	62,4	62127	1	1	1	772,8676	1543,721	2
51	62,4	12094	1	1	1	525,2899	1572,848	3
51	62,4	12098	1	1	1	525,2907	1572,85	3
51	62,4	12099	1	1	1	525,2907	1572,85	3
51	62,4	12101	1	1	1	525,2911	1572,851	3
51	62,4	65252	1	1	1	787,4353	1572,856	2
51	62,4	15376	1	1	1	547,9234	1640,748	3
51	62,4	15380	1	1	1	547,924	1640,75	3
51	62,4	15381	1	1	1	547,924	1640,75	3
51	62,4	15383	1	1	1	547,9243	1640,751	3
51	62,4	15384	1	1	1	547,9243	1640,751	3
51	62,4	15386	1	1	1	547,9246	1640,752	3
51	62,4	15387	1	1	1	547,9248	1640,753	3
51	62,4	15388	1	1	1	547,925	1640,753	3
51	62,4	15389	1	1	1	547,925	1640,753	3
51	62,4	15390	1	1	1	547,9251	1640,754	3
51	62,4	15391	1	1	1	547,9252	1640,754	3
51	62,4	15394	1	1	1	547,9261	1640,756	3
51	62,4	15399	1	1	1	547,9273	1640,76	3
51	62,4	15400	1	1	1	547,9274	1640,76	3
51	62,4	15401	1	1	1	547,9274	1640,76	3
51	62,4	15402	1	1	1	547,9275	1640,761	3
51	62,4	15403	1	1	1	547,9275	1640,761	3
51	62,4	15404	1	1	1	547,9276	1640,761	3
51	62,4	15405	1	1	1	547,9276	1640,761	3
51	62,4	15406	1	1	1	547,9279	1640,762	3
51	62,4	72127	1	1	1	821,3906	1640,767	2
51	62,4	72128	1	1	1	821,3909	1640,767	2
51	62,4	15409	1	1	1	547,9303	1640,769	3
51	62,4	72132	1	1	1	821,3919	1640,769	2
51	62,4	72133	1	1	1	821,3922	1640,77	2
51	62,4	72134	1	1	1	821,3925	1640,77	2
51	62,4	72137	1	1	1	821,3932	1640,772	2
51	62,4	72138	1	1	1	821,3933	1640,772	2
51	62,4	72139	1	1	1	821,3935	1640,772	2

51	62,4	72140	1	1	1	821,3937	1640,773	2
51	62,4	72142	1	1	1	821,3944	1640,774	2
51	62,4	21520	1	1	1	581,633	1741,877	3
51	62,4	21521	1	1	1	581,6331	1741,877	3
51	62,4	22336	1	1	1	585,6215	1753,843	3
51	62,4	83029	1	1	1	877,934	1753,854	2
51	62,4	83031	1	1	1	877,9391	1753,864	2
51	62,4	83605	1	1	1	880,8954	1759,776	2
51	62,4	83606	1	1	1	880,8958	1759,777	2
51	62,4	86196	1	1	1	894,9097	1787,805	2
51	62,4	91383	1	1	1	921,4474	1840,88	2
51	62,4	91386	1	1	1	921,4477	1840,881	2
51	62,4	91403	1	1	1	921,4497	1840,885	2
51	62,4	91407	1	1	1	921,4504	1840,886	2
51	62,4	91409	1	1	1	921,4506	1840,887	2
51	62,4	91416	1	1	1	921,451	1840,888	2
51	62,4	91419	1	1	1	921,4516	1840,889	2
51	62,4	29214	1	1	1	620,6395	1858,897	3
51	62,4	103424	1	1	1	994,982	1987,949	2
51	62,4	103425	1	1	1	994,9832	1987,952	2
51	62,4	42341	1	1	1	681,9941	2042,961	3
51	62,4	42343	1	1	1	681,9955	2042,965	3
51	62,4	42346	1	1	1	681,997	2042,969	3
51	62,4	42349	1	1	1	681,9972	2042,97	3
51	62,4	42351	1	1	1	681,9978	2042,972	3
51	62,4	42352	1	1	1	681,9979	2042,972	3
51	62,4	42353	1	1	1	681,998	2042,972	3
51	62,4	42355	1	1	1	681,9984	2042,973	3
51	62,4	42357	1	1	1	681,9985	2042,974	3
51	62,4	42358	1	1	1	681,9985	2042,974	3
51	62,4	42359	1	1	1	681,9985	2042,974	3
51	62,4	42360	1	1	1	681,9986	2042,974	3
51	62,4	42361	1	1	1	681,9988	2042,975	3
51	62,4	42363	1	1	1	681,999	2042,975	3
51	62,4	107494	1	1	1	1022,496	2042,978	2
51	62,4	42365	1	1	1	682,0004	2042,98	3
51	62,4	42366	1	1	1	682,0005	2042,98	3
51	62,4	46277	1	1	1	701,3508	2101,031	3
51	62,4	111871	1	1	1	1051,527	2101,039	2
51	62,4	55457	1	1	1	741,6983	2222,073	3
51	62,4	60970	1	1	1	767,3933	2299,158	3
51	62,4	123256	1	1	1	1150,592	2299,17	2
51	62,4	62382	1	1	1	774,0451	2319,113	3
51	62,4	62383	1	1	1	774,0456	2319,115	3
51	62,4	62384	1	1	1	774,0467	2319,118	3
51	62,4	62385	1	1	1	774,0469	2319,119	3
51	62,4	69891	1	1	1	810,0941	2427,261	3
51	62,4	69892	1	1	1	810,0961	2427,267	3

51	62,4	69894	1	1	1	810,0965	2427,268	3
51	62,4	69895	1	1	1	810,0967	2427,268	3
51	62,4	69896	1	1	1	810,097	2427,269	3
51	62,4	69897	1	1	1	810,0971	2427,269	3
51	62,4	69898	1	1	1	810,0979	2427,272	3
51	62,4	69899	1	1	1	810,0986	2427,274	3
51	62,4	69901	1	1	1	810,1	2427,278	3
42	66,5	10147	1	1	1	514,2246	1026,435	2
42	66,5	10151	1	1	1	514,2262	1026,438	2
42	66,5	12949	1	1	1	531,2458	1060,477	2
42	66,5	12953	1	1	1	531,2461	1060,478	2
42	66,5	12956	1	1	1	531,2461	1060,478	2
42	66,5	12965	1	1	1	531,2464	1060,478	2
42	66,5	12967	1	1	1	531,2467	1060,479	2
42	66,5	17107	1	1	1	557,7626	1113,511	2
42	66,5	17112	1	1	1	557,7638	1113,513	2
42	66,5	17113	1	1	1	557,7639	1113,513	2
42	66,5	17117	1	1	1	557,7645	1113,515	2
42	66,5	17118	1	1	1	557,7649	1113,515	2
42	66,5	17119	1	1	1	557,7655	1113,517	2
42	66,5	18546	1	1	1	565,2947	1128,575	2
42	66,5	21226	1	1	1	579,7482	1157,482	2
42	66,5	22632	1	1	1	587,307	1172,6	2
42	66,5	24309	1	1	1	595,3296	1188,645	2
42	66,5	26432	1	1	1	607,295	1212,576	2
42	66,5	26434	1	1	1	607,2964	1212,578	2
42	66,5	26435	1	1	1	607,2968	1212,579	2
42	66,5	26436	1	1	1	607,2973	1212,58	2
42	66,5	26437	1	1	1	607,2974	1212,58	2
42	66,5	26438	1	1	1	607,2975	1212,58	2
42	66,5	26439	1	1	1	607,2975	1212,581	2
42	66,5	26440	1	1	1	607,2977	1212,581	2
42	66,5	26441	1	1	1	607,2978	1212,581	2
42	66,5	26442	1	1	1	607,2978	1212,581	2
42	66,5	26443	1	1	1	607,2981	1212,582	2
42	66,5	26446	1	1	1	607,2992	1212,584	2
42	66,5	26447	1	1	1	607,2999	1212,585	2
42	66,5	26448	1	1	1	607,3002	1212,586	2
42	66,5	26614	1	1	1	608,2576	1214,501	2
42	66,5	26615	1	1	1	608,2582	1214,502	2
42	66,5	28191	1	1	1	616,2542	1230,494	2
42	66,5	28193	1	1	1	616,2578	1230,501	2
42	66,5	35045	1	1	1	647,8403	1293,666	2
42	66,5	35966	1	1	1	652,8429	1303,671	2
42	66,5	35968	1	1	1	652,8449	1303,675	2
42	66,5	38751	1	1	1	665,7714	1329,528	2
42	66,5	38752	1	1	1	665,7725	1329,53	2
42	66,5	40497	1	1	1	673,7686	1345,523	2

42	66,5	46221	1	1	1	701,2916	1400,569	2
42	66,5	46222	1	1	1	701,2918	1400,569	2
42	66,5	46223	1	1	1	701,2923	1400,57	2
42	66,5	46224	1	1	1	701,2925	1400,57	2
42	66,5	46225	1	1	1	701,2926	1400,571	2
42	66,5	48071	1	1	1	709,2877	1416,561	2
42	66,5	48072	1	1	1	709,288	1416,561	2
42	66,5	57463	1	1	1	750,8245	1499,635	2
42	66,5	57467	1	1	1	750,826	1499,637	2
42	66,5	57468	1	1	1	750,826	1499,637	2
42	66,5	57469	1	1	1	750,8262	1499,638	2
42	66,5	57471	1	1	1	750,827	1499,64	2
42	66,5	59226	1	1	1	758,8188	1515,623	2
42	66,5	59228	1	1	1	758,8212	1515,628	2
42	66,5	59230	1	1	1	758,822	1515,629	2
42	66,5	59234	1	1	1	758,8249	1515,635	2
42	66,5	62326	1	1	1	773,8661	1545,718	2
42	66,5	64152	1	1	1	782,3883	1562,762	2
42	66,5	64522	1	1	1	784,38	1566,745	2
42	66,5	64528	1	1	1	784,3809	1566,747	2
42	66,5	64531	1	1	1	784,3827	1566,751	2
42	66,5	68449	1	1	1	802,9298	1603,845	2
42	66,5	14100	1	1	1	538,577	1612,709	3
42	66,5	14101	1	1	1	538,5775	1612,711	3
42	66,5	69314	1	1	1	807,3647	1612,715	2
42	66,5	69315	1	1	1	807,3653	1612,716	2
42	66,5	69321	1	1	1	807,367	1612,72	2
42	66,5	69323	1	1	1	807,3676	1612,721	2
42	66,5	69324	1	1	1	807,3681	1612,722	2
42	66,5	69326	1	1	1	807,3683	1612,722	2
42	66,5	70895	1	1	1	815,3611	1628,708	2
42	66,5	70896	1	1	1	815,3625	1628,71	2
42	66,5	70897	1	1	1	815,3632	1628,712	2
42	66,5	74084	1	1	1	831,3833	1660,752	2
42	66,5	74087	1	1	1	831,3869	1660,759	2
42	66,5	74089	1	1	1	831,3873	1660,76	2
42	66,5	74090	1	1	1	831,3874	1660,76	2
42	66,5	74091	1	1	1	831,3876	1660,761	2
42	66,5	74093	1	1	1	831,3879	1660,761	2
42	66,5	74096	1	1	1	831,3886	1660,763	2
42	66,5	74097	1	1	1	831,3887	1660,763	2
42	66,5	74099	1	1	1	831,3911	1660,768	2
42	66,5	74100	1	1	1	831,3919	1660,769	2
42	66,5	75698	1	1	1	839,3808	1676,747	2
42	66,5	75701	1	1	1	839,3814	1676,748	2
42	66,5	75702	1	1	1	839,3816	1676,749	2
42	66,5	75703	1	1	1	839,3817	1676,749	2
42	66,5	75705	1	1	1	839,3823	1676,75	2

42	66,5	75706	1	1	1	839,3835	1676,752	2
42	66,5	75707	1	1	1	839,3836	1676,753	2
42	66,5	75709	1	1	1	839,3839	1676,753	2
42	66,5	75710	1	1	1	839,3839	1676,753	2
42	66,5	75711	1	1	1	839,3848	1676,755	2
42	66,5	75712	1	1	1	839,3853	1676,756	2
42	66,5	75713	1	1	1	839,3854	1676,756	2
42	66,5	75714	1	1	1	839,3857	1676,757	2
42	66,5	75716	1	1	1	839,3874	1676,76	2
42	66,5	75717	1	1	1	839,3883	1676,762	2
42	66,5	75719	1	1	1	839,39	1676,765	2
42	66,5	20119	1	1	1	574,287	1719,839	3
42	66,5	80872	1	1	1	866,3802	1730,746	2
42	66,5	80876	1	1	1	866,3821	1730,75	2
42	66,5	80877	1	1	1	866,3826	1730,751	2
42	66,5	80878	1	1	1	866,3828	1730,751	2
42	66,5	80880	1	1	1	866,3831	1730,752	2
42	66,5	80881	1	1	1	866,3832	1730,752	2
42	66,5	80882	1	1	1	866,3833	1730,752	2
42	66,5	80884	1	1	1	866,3834	1730,752	2
42	66,5	80887	1	1	1	866,3839	1730,753	2
42	66,5	80890	1	1	1	866,3845	1730,754	2
42	66,5	80891	1	1	1	866,3847	1730,755	2
42	66,5	82648	1	1	1	875,435	1748,855	2
42	66,5	82660	1	1	1	875,4407	1748,867	2
42	66,5	82663	1	1	1	875,4413	1748,868	2
42	66,5	82679	1	1	1	875,4448	1748,875	2
42	66,5	83889	1	1	1	881,9657	1761,917	2
42	66,5	23859	1	1	1	592,9327	1775,776	3
42	66,5	85131	1	1	1	888,8976	1775,781	2
42	66,5	85132	1	1	1	888,899	1775,784	2
42	66,5	89072	1	1	1	909,419	1816,824	2
42	66,5	89197	1	1	1	909,9106	1817,807	2
42	66,5	93385	1	1	1	931,985	1861,955	2
42	66,5	94295	1	1	1	937,9314	1873,848	2
42	66,5	33712	1	1	1	641,9544	1922,841	3
42	66,5	33714	1	1	1	641,9558	1922,846	3
42	66,5	33715	1	1	1	641,9559	1922,846	3
42	66,5	33716	1	1	1	641,9561	1922,847	3
42	66,5	33717	1	1	1	641,9564	1922,847	3
42	66,5	98312	1	1	1	962,4312	1922,848	2
42	66,5	33718	1	1	1	641,9566	1922,848	3
42	66,5	33719	1	1	1	641,9569	1922,849	3
42	66,5	98315	1	1	1	962,4329	1922,851	2
42	66,5	98316	1	1	1	962,4331	1922,852	2
42	66,5	98317	1	1	1	962,4332	1922,852	2
42	66,5	98319	1	1	1	962,4334	1922,852	2
42	66,5	98320	1	1	1	962,4336	1922,853	2

42	66,5	98324	1	1	1	962,4348	1922,855	2
42	66,5	98325	1	1	1	962,4349	1922,855	2
42	66,5	98327	1	1	1	962,4352	1922,856	2
42	66,5	98329	1	1	1	962,4359	1922,857	2
42	66,5	98331	1	1	1	962,437	1922,859	2
42	66,5	98342	1	1	1	962,439	1922,863	2
42	66,5	34870	1	1	1	647,286	1938,836	3
42	66,5	34871	1	1	1	647,2865	1938,838	3
42	66,5	34872	1	1	1	647,2873	1938,84	3
42	66,5	99495	1	1	1	970,4273	1938,84	2
42	66,5	99497	1	1	1	970,4275	1938,841	2
42	66,5	34874	1	1	1	647,2882	1938,843	3
42	66,5	99499	1	1	1	970,4289	1938,843	2
42	66,5	99500	1	1	1	970,4289	1938,843	2
42	66,5	99504	1	1	1	970,4293	1938,844	2
42	66,5	99506	1	1	1	970,4295	1938,845	2
42	66,5	99508	1	1	1	970,4297	1938,845	2
42	66,5	99509	1	1	1	970,4301	1938,846	2
42	66,5	99510	1	1	1	970,4301	1938,846	2
42	66,5	34878	1	1	1	647,2892	1938,846	3
42	66,5	34879	1	1	1	647,2896	1938,847	3
42	66,5	34880	1	1	1	647,2897	1938,847	3
42	66,5	34882	1	1	1	647,2898	1938,847	3
42	66,5	34884	1	1	1	647,2908	1938,851	3
42	66,5	99518	1	1	1	970,4327	1938,851	2
42	66,5	99525	1	1	1	970,4356	1938,857	2
42	66,5	102388	1	1	1	988,4515	1974,888	2
42	66,5	37707	1	1	1	661,3264	1980,957	3
42	66,5	37713	1	1	1	661,3279	1980,962	3
42	66,5	37717	1	1	1	661,3301	1980,968	3
42	66,5	37718	1	1	1	661,3303	1980,969	3
42	66,5	37720	1	1	1	661,3315	1980,973	3
42	66,5	37722	1	1	1	661,3324	1980,976	3
42	66,5	103340	1	1	1	994,488	1986,962	2
42	66,5	103343	1	1	1	994,4914	1986,968	2
42	66,5	39746	1	1	1	670,3299	2007,968	3
42	66,5	104885	1	1	1	1004,995	2007,975	2
42	66,5	104888	1	1	1	1004,998	2007,982	2
42	66,5	46203	1	1	1	701,018	2100,032	3
42	66,5	46204	1	1	1	701,0188	2100,035	3
42	66,5	46207	1	1	1	701,0221	2100,044	3
42	66,5	49367	1	1	1	715,3595	2143,057	3
42	66,5	50890	1	1	1	722,3663	2164,077	3
42	66,5	50892	1	1	1	722,3666	2164,078	3
42	66,5	53856	1	1	1	734,6916	2201,053	3
42	66,5	118350	1	1	1	1101,534	2201,053	2
42	66,5	118351	1	1	1	1101,535	2201,054	2
42	66,5	118352	1	1	1	1101,535	2201,055	2

42	66,5	118354	1	1	1	1101,535	2201,055	2
42	66,5	118356	1	1	1	1101,535	2201,056	2
42	66,5	118357	1	1	1	1101,535	2201,056	2
42	66,5	53857	1	1	1	734,6927	2201,056	3
42	66,5	118359	1	1	1	1101,536	2201,057	2
42	66,5	118360	1	1	1	1101,536	2201,057	2
42	66,5	53858	1	1	1	734,6931	2201,058	3
42	66,5	118361	1	1	1	1101,536	2201,058	2
42	66,5	118362	1	1	1	1101,536	2201,058	2
42	66,5	118364	1	1	1	1101,536	2201,058	2
42	66,5	53859	1	1	1	734,6937	2201,059	3
42	66,5	53860	1	1	1	734,6939	2201,06	3
42	66,5	118369	1	1	1	1101,538	2201,062	2
42	66,5	118370	1	1	1	1101,538	2201,062	2
42	66,5	118371	1	1	1	1101,539	2201,063	2
42	66,5	53861	1	1	1	734,6949	2201,063	3
42	66,5	118374	1	1	1	1101,54	2201,064	2
42	66,5	60077	1	1	1	763,0417	2286,103	3
42	66,5	60078	1	1	1	763,0427	2286,106	3
42	66,5	61179	1	1	1	768,3758	2302,106	3
42	66,5	61378	1	1	1	769,3865	2305,138	3
42	66,5	61379	1	1	1	769,3876	2305,141	3
42	66,5	123509	1	1	1	1153,582	2305,148	2
42	66,5	70887	1	1	1	815,0802	2442,219	3
42	66,5	71948	1	1	1	820,4173	2458,23	3
42	66,5	72719	1	1	1	824,0539	2469,14	3
42	66,5	72720	1	1	1	824,0559	2469,146	3
42	66,5	74118	1	1	1	831,404	2491,19	3
42	66,5	75218	1	1	1	836,7424	2507,205	3
2	3,1	22632	1	0	1	587,307	1172,6	2
2	3,1	41409	1	0	1	677,3391	1352,664	2
2	3,1	41411	1	0	1	677,3406	1352,667	2
54	84,9	1710	1	1	1	429,7709	857,5272	2
54	84,9	13935	1	1	1	537,3156	1072,617	2
54	84,9	13936	1	1	1	537,3158	1072,617	2
54	84,9	13938	1	1	1	537,3163	1072,618	2
54	84,9	13940	1	1	1	537,3165	1072,619	2
54	84,9	13941	1	1	1	537,3166	1072,619	2
54	84,9	13942	1	1	1	537,3167	1072,619	2
54	84,9	13944	1	1	1	537,3167	1072,619	2
54	84,9	13948	1	1	1	537,3171	1072,62	2
54	84,9	18225	1	1	1	563,7489	1125,483	2
54	84,9	19992	1	1	1	573,7863	1145,558	2
54	84,9	19993	1	1	1	573,7864	1145,558	2
54	84,9	19999	1	1	1	573,7891	1145,564	2
54	84,9	20002	1	1	1	573,7893	1145,564	2
54	84,9	20003	1	1	1	573,7893	1145,564	2
54	84,9	20005	1	1	1	573,7896	1145,565	2

54	84,9	20009	1	1	1	573,79	1145,565	2
54	84,9	20011	1	1	1	573,7912	1145,568	2
54	84,9	21806	1	1	1	582,8033	1163,592	2
54	84,9	21807	1	1	1	582,8035	1163,593	2
54	84,9	21808	1	1	1	582,8039	1163,593	2
54	84,9	21809	1	1	1	582,8044	1163,594	2
54	84,9	21810	1	1	1	582,8048	1163,595	2
54	84,9	21812	1	1	1	582,8051	1163,596	2
54	84,9	21814	1	1	1	582,8055	1163,596	2
54	84,9	27773	1	1	1	614,2692	1226,524	2
54	84,9	27782	1	1	1	614,2701	1226,526	2
54	84,9	27783	1	1	1	614,2701	1226,526	2
54	84,9	27819	1	1	1	614,2727	1226,531	2
54	84,9	33385	1	1	1	640,3172	1278,62	2
54	84,9	33387	1	1	1	640,3204	1278,626	2
54	84,9	38323	1	1	1	663,8089	1325,603	2
54	84,9	45523	1	1	1	697,3399	1392,665	2
54	84,9	45524	1	1	1	697,34	1392,666	2
54	84,9	45525	1	1	1	697,3407	1392,667	2
54	84,9	52569	1	1	1	729,3256	1456,637	2
54	84,9	52581	1	1	1	729,3281	1456,642	2
54	84,9	52583	1	1	1	729,3284	1456,642	2
54	84,9	54460	1	1	1	737,3231	1472,632	2
54	84,9	54473	1	1	1	737,3242	1472,634	2
54	84,9	54487	1	1	1	737,3256	1472,637	2
54	84,9	55866	1	1	1	743,4088	1484,803	2
54	84,9	55873	1	1	1	743,4106	1484,807	2
54	84,9	55874	1	1	1	743,4107	1484,807	2
54	84,9	55875	1	1	1	743,4111	1484,808	2
54	84,9	55876	1	1	1	743,4111	1484,808	2
54	84,9	57636	1	1	1	751,406	1500,798	2
54	84,9	58240	1	1	1	754,8515	1507,688	2
54	84,9	58242	1	1	1	754,8529	1507,691	2
54	84,9	58244	1	1	1	754,8536	1507,693	2
54	84,9	58246	1	1	1	754,8546	1507,695	2
54	84,9	62519	1	1	1	774,8735	1547,732	2
54	84,9	71558	1	1	1	818,8816	1635,749	2
54	84,9	71559	1	1	1	818,8833	1635,752	2
54	84,9	71562	1	1	1	818,8862	1635,758	2
54	84,9	16050	1	1	1	551,6076	1651,801	3
54	84,9	73135	1	1	1	826,91	1651,805	2
54	84,9	73136	1	1	1	826,9114	1651,808	2
54	84,9	73137	1	1	1	826,9117	1651,809	2
54	84,9	73138	1	1	1	826,9131	1651,812	2
54	84,9	74130	1	1	1	831,4164	1660,818	2
54	84,9	75278	1	1	1	837,3841	1672,754	2
54	84,9	75583	1	1	1	838,4352	1674,856	2
54	84,9	82628	1	1	1	875,4265	1748,839	2



54	84,9	82636	1	1	1	875,4276	1748,841	2
54	84,9	82637	1	1	1	875,4278	1748,841	2
54	84,9	82638	1	1	1	875,4278	1748,841	2
54	84,9	82639	1	1	1	875,4283	1748,842	2
54	84,9	92139	1	1	1	924,9624	1847,91	2
54	84,9	92140	1	1	1	924,9635	1847,913	2
54	84,9	92141	1	1	1	924,964	1847,913	2
54	84,9	92142	1	1	1	924,9647	1847,915	2
54	84,9	32798	1	1	1	637,3096	1908,907	3
54	84,9	34637	1	1	1	645,9849	1934,933	3
54	84,9	99324	1	1	1	968,4796	1934,945	2
54	84,9	39882	1	1	1	670,9957	2009,965	3
54	84,9	39884	1	1	1	670,996	2009,966	3
54	84,9	39885	1	1	1	670,9964	2009,967	3
54	84,9	108045	1	1	1	1025,5	2048,985	2
54	84,9	108046	1	1	1	1025,502	2048,99	2
54	84,9	109644	1	1	1	1036,874	2071,733	2
54	84,9	112194	1	1	1	1054,01	2106,005	2
54	84,9	112195	1	1	1	1054,01	2106,006	2
54	84,9	112197	1	1	1	1054,011	2106,008	2
54	84,9	112198	1	1	1	1054,011	2106,008	2
54	84,9	112199	1	1	1	1054,012	2106,009	2
54	84,9	112200	1	1	1	1054,012	2106,01	2
54	84,9	113746	1	1	1	1065,034	2128,053	2
54	84,9	113748	1	1	1	1065,037	2128,059	2
54	84,9	116944	1	1	1	1089,528	2177,041	2
54	84,9	116945	1	1	1	1089,53	2177,045	2
54	84,9	117723	1	1	1	1094,9	2187,786	2
54	84,9	118262	1	1	1	1100,554	2199,094	2
54	84,9	53737	1	1	1	734,0395	2199,097	3
54	84,9	56825	1	1	1	747,7007	2240,08	3
54	84,9	56830	1	1	1	747,7012	2240,082	3
54	84,9	56831	1	1	1	747,7013	2240,082	3
54	84,9	123486	1	1	1	1153,555	2305,095	2
54	84,9	123491	1	1	1	1153,557	2305,1	2
54	84,9	123497	1	1	1	1153,56	2305,104	2
54	84,9	69285	1	1	1	807,0647	2418,172	3
54	84,9	127579	1	1	1	1210,094	2418,174	2
54	84,9	69286	1	1	1	807,0666	2418,178	3
54	84,9	69287	1	1	1	807,0668	2418,179	3
54	84,9	127584	1	1	1	1210,097	2418,179	2
54	84,9	69794	1	1	1	809,4237	2425,249	3
54	84,9	69795	1	1	1	809,4241	2425,251	3
54	84,9	127860	1	1	1	1213,633	2425,251	2
54	84,9	69796	1	1	1	809,425	2425,253	3
54	84,9	127862	1	1	1	1213,635	2425,255	2
54	84,9	127864	1	1	1	1213,636	2425,257	2
54	84,9	127866	1	1	1	1213,637	2425,259	2

54	84,9	69797	1	1	1	809,4272	2425,26	3
54	84,9	127867	1	1	1	1213,637	2425,26	2
54	84,9	127868	1	1	1	1213,638	2425,261	2
54	84,9	127869	1	1	1	1213,638	2425,261	2
54	84,9	127870	1	1	1	1213,638	2425,262	2
54	84,9	127871	1	1	1	1213,638	2425,262	2
54	84,9	128960	1	1	1	1228,545	2455,076	2
54	84,9	128962	1	1	1	1228,55	2455,085	2
54	84,9	75903	1	1	1	840,0905	2517,25	3
54	84,9	77144	1	1	1	846,7364	2537,187	3
54	84,9	80783	1	1	1	865,7398	2594,198	3
54	84,9	80784	1	1	1	865,7412	2594,202	3
54	84,9	80785	1	1	1	865,7436	2594,209	3
54	84,9	80786	1	1	1	865,744	2594,21	3
54	84,9	85222	1	1	1	889,4225	2665,246	3
54	84,9	85582	1	1	1	891,4179	2671,232	3
54	84,9	91182	1	1	1	920,4271	2758,26	3
54	84,9	93394	1	1	1	932,1078	2793,302	3
54	84,9	93395	1	1	1	932,1083	2793,303	3
54	84,9	93396	1	1	1	932,1083	2793,303	3
54	84,9	93397	1	1	1	932,109	2793,305	3
54	84,9	94776	1	1	1	940,4479	2818,322	3
54	84,9	94777	1	1	1	940,4494	2818,326	3
54	84,9	133585	1	1	1	1410,172	2818,329	2
54	84,9	133588	1	1	1	1410,173	2818,331	2
54	84,9	133590	1	1	1	1410,173	2818,332	2
54	84,9	133593	1	1	1	1410,174	2818,334	2
54	84,9	133595	1	1	1	1410,174	2818,334	2
54	84,9	133596	1	1	1	1410,175	2818,336	2
54	84,9	133597	1	1	1	1410,176	2818,336	2
54	84,9	94779	1	1	1	940,4537	2818,339	3
54	84,9	94780	1	1	1	940,4538	2818,34	3
54	84,9	133600	1	1	1	1410,177	2818,34	2
54	84,9	94781	1	1	1	940,4539	2818,34	3
54	84,9	94782	1	1	1	940,4539	2818,34	3
54	84,9	94783	1	1	1	940,4542	2818,341	3
54	84,9	94784	1	1	1	940,4547	2818,342	3
54	84,9	94785	1	1	1	940,455	2818,343	3
54	84,9	94787	1	1	1	940,456	2818,346	3
54	84,9	94788	1	1	1	940,4563	2818,347	3
54	84,9	94789	1	1	1	940,4565	2818,348	3
54	84,9	94791	1	1	1	940,4574	2818,35	3
54	84,9	94793	1	1	1	940,4583	2818,353	3
54	84,9	94801	1	1	1	940,4594	2818,356	3
54	84,9	94805	1	1	1	940,461	2818,361	3
54	84,9	99443	1	1	1	969,8039	2906,39	3
54	84,9	101499	1	1	1	982,4558	2944,346	3
54	84,9	104415	1	1	1	1001,461	3001,361	3

54	84,9	104416	1	1	1	1001,462	3001,364	3
54	84,9	107738	1	1	1	1023,529	3067,564	3
54	84,9	107740	1	1	1	1023,532	3067,574	3
54	84,9	108022	1	1	1	1025,14	3072,399	3
54	84,9	108024	1	1	1	1025,143	3072,408	3
54	84,9	111547	1	1	1	1048,82	3143,438	3
54	84,9	118660	1	1	1	1103,177	3306,508	3
54	84,9	118662	1	1	1	1103,186	3306,536	3
54	84,9	118663	1	1	1	1103,187	3306,539	3
54	84,9	118664	1	1	1	1103,19	3306,547	3
54	84,9	125897	1	1	1	1185,282	3552,825	3
54	84,9	126614	1	1	1	1195,221	3582,64	3
54	84,9	131561	1	1	1	1291,998	3872,973	3
30	69,2	7130	1	1	1	492,7709	983,5272	2
30	69,2	26726	1	1	1	608,8304	1215,646	2
30	69,2	28238	1	1	1	616,3172	1230,62	2
30	69,2	28240	1	1	1	616,3206	1230,627	2
30	69,2	30792	1	1	1	627,3624	1252,71	2
30	69,2	39034	1	1	1	666,3435	1330,672	2
30	69,2	39044	1	1	1	666,3479	1330,681	2
30	69,2	39046	1	1	1	666,3487	1330,683	2
30	69,2	40307	2	1	1	672,857	1343,699	2
30	69,2	40318	1	1	1	672,858	1343,702	2
30	69,2	40326	1	1	1	672,8583	1343,702	2
30	69,2	40337	1	1	1	672,8586	1343,703	2
30	69,2	40341	1	1	1	672,8589	1343,703	2
30	69,2	40342	1	1	1	672,859	1343,703	2
30	69,2	40344	1	1	1	672,8591	1343,704	2
30	69,2	40349	1	1	1	672,8597	1343,705	2
30	69,2	40358	1	1	1	672,8614	1343,708	2
30	69,2	40361	1	1	1	672,862	1343,71	2
30	69,2	40362	1	1	1	672,8626	1343,711	2
30	69,2	40363	1	1	1	672,8627	1343,711	2
30	69,2	40364	1	1	1	672,8627	1343,711	2
30	69,2	40366	1	1	1	672,8628	1343,711	2
30	69,2	40368	1	1	1	672,8636	1343,713	2
30	69,2	48757	1	1	1	712,8578	1423,701	2
30	69,2	48762	1	1	1	712,8602	1423,706	2
30	69,2	51110	1	1	1	722,8885	1443,762	2
30	69,2	51111	1	1	1	722,8919	1443,769	2
30	69,2	65146	1	1	1	786,9188	1571,823	2
30	69,2	65149	1	1	1	786,9201	1571,826	2
30	69,2	65151	1	1	1	786,9221	1571,83	2
30	69,2	67607	1	1	1	799,4062	1596,798	2
30	69,2	67611	1	1	1	799,4095	1596,804	2
30	69,2	67612	1	1	1	799,4102	1596,806	2
30	69,2	67613	1	1	1	799,4107	1596,807	2
30	69,2	67614	1	1	1	799,4113	1596,808	2

30	69,2	67616	1	1	1	799,413	1596,812	2
30	69,2	67617	1	1	1	799,4134	1596,812	2
30	69,2	67620	1	1	1	799,4144	1596,814	2
30	69,2	72781	1	1	1	824,4103	1646,806	2
30	69,2	73951	1	1	1	830,4361	1658,858	2
30	69,2	73954	1	1	1	830,4372	1658,86	2
30	69,2	73956	1	1	1	830,4375	1658,861	2
30	69,2	79532	1	1	1	858,9434	1715,872	2
30	69,2	79533	1	1	1	858,9438	1715,873	2
30	69,2	79534	1	1	1	858,9451	1715,876	2
30	69,2	79536	1	1	1	858,9458	1715,877	2
30	69,2	79537	1	1	1	858,9464	1715,878	2
30	69,2	79538	1	1	1	858,9469	1715,879	2
30	69,2	79539	1	1	1	858,9469	1715,879	2
30	69,2	79540	1	1	1	858,9482	1715,882	2
30	69,2	84538	1	1	1	885,4354	1768,856	2
30	69,2	87729	1	1	1	902,4614	1802,908	2
30	69,2	87730	1	1	1	902,4622	1802,91	2
30	69,2	87731	1	1	1	902,4623	1802,91	2
30	69,2	87733	1	1	1	902,4628	1802,911	2
30	69,2	87734	1	1	1	902,4628	1802,911	2
30	69,2	87735	1	1	1	902,463	1802,911	2
30	69,2	87736	1	1	1	902,4631	1802,912	2
30	69,2	87737	1	1	1	902,4636	1802,913	2
30	69,2	87748	1	1	1	902,468	1802,921	2
30	69,2	89024	1	1	1	908,9907	1815,967	2
30	69,2	89026	1	1	1	908,9919	1815,969	2
30	69,2	89028	1	1	1	908,994	1815,973	2
30	69,2	92869	1	1	1	928,9781	1855,942	2
30	69,2	92871	1	1	1	928,9784	1855,942	2
30	69,2	92872	1	1	1	928,9789	1855,943	2
30	69,2	92873	1	1	1	928,9792	1855,944	2
30	69,2	94176	1	1	1	936,9744	1871,934	2
30	69,2	97072	1	1	1	954,4534	1906,892	2
30	69,2	97073	1	1	1	954,4535	1906,892	2
30	69,2	97075	1	1	1	954,454	1906,893	2
30	69,2	97076	1	1	1	954,4545	1906,894	2
30	69,2	97079	1	1	1	954,4553	1906,896	2
30	69,2	97080	1	1	1	954,4555	1906,896	2
30	69,2	97082	1	1	1	954,456	1906,897	2
30	69,2	97083	1	1	1	954,4562	1906,898	2
30	69,2	97084	1	1	1	954,4563	1906,898	2
30	69,2	97857	1	1	1	958,9995	1915,985	2
30	69,2	33251	1	1	1	639,6689	1915,985	3
30	69,2	33252	1	1	1	639,6696	1915,987	3
30	69,2	97859	1	1	1	959,0027	1915,991	2
30	69,2	97860	1	1	1	959,0028	1915,991	2
30	69,2	97862	1	1	1	959,004	1915,993	2

30	69,2	98436	1	1	1	962,4819	1922,949	2
30	69,2	98441	1	1	1	962,4855	1922,957	2
30	69,2	98445	1	1	1	962,4877	1922,961	2
30	69,2	98449	1	1	1	962,4896	1922,965	2
30	69,2	41370	1	1	1	677,0279	2028,062	3
30	69,2	41371	1	1	1	677,0292	2028,066	3
30	69,2	41372	1	1	1	677,0302	2028,069	3
30	69,2	110369	1	1	1	1040,534	2079,053	2
30	69,2	110371	1	1	1	1040,534	2079,054	2
30	69,2	44938	1	1	1	694,0255	2079,055	3
30	69,2	44939	1	1	1	694,0257	2079,055	3
30	69,2	110373	1	1	1	1040,535	2079,055	2
30	69,2	44940	1	1	1	694,027	2079,059	3
30	69,2	112452	1	1	1	1055,516	2109,017	2
30	69,2	112456	1	1	1	1055,517	2109,019	2
30	69,2	112457	1	1	1	1055,517	2109,019	2
30	69,2	112458	1	1	1	1055,517	2109,02	2
30	69,2	112459	1	1	1	1055,517	2109,02	2
30	69,2	112463	1	1	1	1055,519	2109,023	2
30	69,2	112465	1	1	1	1055,52	2109,025	2
30	69,2	112466	1	1	1	1055,52	2109,026	2
30	69,2	112467	1	1	1	1055,52	2109,026	2
30	69,2	112469	1	1	1	1055,522	2109,029	2
30	69,2	112470	1	1	1	1055,522	2109,029	2
30	69,2	52536	1	1	1	729,0622	2184,165	3
30	69,2	52537	1	1	1	729,0622	2184,165	3
30	69,2	52538	1	1	1	729,0626	2184,166	3
30	69,2	52540	1	1	1	729,0637	2184,169	3
30	69,2	58589	1	1	1	756,045	2265,113	3
30	69,2	121693	1	1	1	1133,565	2265,115	2
30	69,2	121694	1	1	1	1133,565	2265,116	2
30	69,2	58591	1	1	1	756,0462	2265,117	3
30	69,2	58592	1	1	1	756,047	2265,119	3
30	69,2	58593	1	1	1	756,0478	2265,122	3
30	69,2	58594	1	1	1	756,048	2265,122	3
30	69,2	58595	1	1	1	756,048	2265,122	3
30	69,2	121701	1	1	1	1133,569	2265,123	2
30	69,2	58596	1	1	1	756,0493	2265,126	3
30	69,2	58597	1	1	1	756,0504	2265,129	3
30	69,2	74192	1	1	1	831,763	2492,267	3
30	69,2	89830	1	1	1	913,443	2737,307	3
30	69,2	98836	1	1	1	965,4768	2893,409	3
30	69,2	101049	1	1	1	979,4772	2935,41	3
30	69,2	101055	1	1	1	979,4829	2935,427	3
30	69,2	101056	1	1	1	979,4846	2935,432	3
30	69,2	101058	1	1	1	979,4873	2935,44	3
30	69,2	101059	1	1	1	979,4879	2935,442	3
30	69,2	101060	1	1	1	979,4888	2935,445	3

30	69,2	101061	1	1	1	979,4899	2935,448	3
30	69,2	101062	1	1	1	979,49	2935,448	3
30	69,2	101063	1	1	1	979,49	2935,448	3
30	69,2	101065	1	1	1	979,4908	2935,451	3
30	69,2	101066	1	1	1	979,4911	2935,451	3
30	69,2	101067	1	1	1	979,4917	2935,453	3
30	69,2	101068	1	1	1	979,4919	2935,454	3
30	69,2	101069	1	1	1	979,4919	2935,454	3
30	69,2	101070	1	1	1	979,4923	2935,455	3
30	69,2	101072	1	1	1	979,4924	2935,455	3
30	69,2	101075	1	1	1	979,493	2935,457	3
30	69,2	101076	1	1	1	979,4944	2935,462	3
30	69,2	109034	1	1	1	1031,521	3091,542	3
30	69,2	109043	1	1	1	1031,528	3091,563	3
47	74,2	3713	1	1	1	462,7023	923,3901	2
47	74,2	6180	1	1	1	485,2468	968,4791	2
47	74,2	6182	1	1	1	485,2472	968,4798	2
47	74,2	7774	1	1	1	497,241	992,4674	2
47	74,2	11300	1	1	1	520,7632	1039,512	2
47	74,2	11303	1	1	1	520,7649	1039,515	2
47	74,2	11304	1	1	1	520,7654	1039,516	2
47	74,2	11306	1	1	1	520,7659	1039,517	2
47	74,2	11307	1	1	1	520,766	1039,517	2
47	74,2	12567	1	1	1	528,7606	1055,507	2
47	74,2	12570	1	1	1	528,7614	1055,508	2
47	74,2	12572	1	1	1	528,7618	1055,509	2
47	74,2	12579	1	1	1	528,7625	1055,511	2
47	74,2	12581	1	1	1	528,7627	1055,511	2
47	74,2	12582	1	1	1	528,7629	1055,511	2
47	74,2	18051	1	1	1	562,7582	1123,502	2
47	74,2	18053	1	1	1	562,7611	1123,508	2
47	74,2	18054	1	1	1	562,7611	1123,508	2
47	74,2	18680	1	1	1	565,8158	1129,617	2
47	74,2	18681	1	1	1	565,8163	1129,618	2
47	74,2	18683	1	1	1	565,8168	1129,619	2
47	74,2	19935	1	1	1	573,3093	1144,604	2
47	74,2	25343	1	1	1	601,3347	1200,655	2
47	74,2	25344	1	1	1	601,3352	1200,656	2
47	74,2	26518	1	1	1	607,7815	1213,549	2
47	74,2	31254	1	1	1	629,855	1257,696	2
47	74,2	35005	1	1	1	647,819	1293,623	2
47	74,2	35006	1	1	1	647,8195	1293,625	2
47	74,2	36603	1	1	1	656,3054	1310,596	2
47	74,2	36604	1	1	1	656,3057	1310,597	2
47	74,2	36607	1	1	1	656,3069	1310,599	2
47	74,2	36608	1	1	1	656,3074	1310,6	2
47	74,2	36610	1	1	1	656,3077	1310,601	2
47	74,2	37131	1	1	1	658,3555	1314,697	2

47	74,2	37133	1	1	1	658,3563	1314,698	2
47	74,2	37138	1	1	1	658,3577	1314,701	2
47	74,2	37140	1	1	1	658,3578	1314,701	2
47	74,2	37149	1	1	1	658,3625	1314,711	2
47	74,2	38434	1	1	1	664,3046	1326,595	2
47	74,2	38435	1	1	1	664,3054	1326,596	2
47	74,2	41104	1	1	1	676,3257	1350,637	2
47	74,2	41109	1	1	1	676,3282	1350,642	2
47	74,2	41112	1	1	1	676,3286	1350,643	2
47	74,2	41113	1	1	1	676,3287	1350,643	2
47	74,2	41116	1	1	1	676,3293	1350,644	2
47	74,2	41123	1	1	1	676,3319	1350,649	2
47	74,2	41125	1	1	1	676,3321	1350,65	2
47	74,2	43485	1	1	1	686,8717	1371,729	2
47	74,2	43488	1	1	1	686,8725	1371,731	2
47	74,2	43490	1	1	1	686,8726	1371,731	2
47	74,2	43494	1	1	1	686,8732	1371,732	2
47	74,2	43495	1	1	1	686,8733	1371,732	2
47	74,2	43496	1	1	1	686,8734	1371,732	2
47	74,2	43501	1	1	1	686,8745	1371,734	2
47	74,2	43502	1	1	1	686,8745	1371,734	2
47	74,2	48748	1	1	1	712,8506	1423,687	2
47	74,2	48749	1	1	1	712,8517	1423,689	2
47	74,2	55208	1	1	1	740,3607	1478,707	2
47	74,2	55210	1	1	1	740,3613	1478,708	2
47	74,2	9538	1	1	1	509,9315	1526,773	3
47	74,2	9539	1	1	1	509,9315	1526,773	3
47	74,2	9540	1	1	1	509,9317	1526,773	3
47	74,2	9542	1	1	1	509,932	1526,774	3
47	74,2	9543	1	1	1	509,932	1526,774	3
47	74,2	60392	1	1	1	764,3956	1526,777	2
47	74,2	60395	1	1	1	764,3963	1526,778	2
47	74,2	60966	1	1	1	767,3892	1532,764	2
47	74,2	61394	1	1	1	769,3948	1536,775	2
47	74,2	15179	1	1	1	546,6295	1636,867	3
47	74,2	72161	1	1	1	821,4127	1640,811	2
47	74,2	72164	1	1	1	821,4131	1640,812	2
47	74,2	72168	1	1	1	821,4147	1640,815	2
47	74,2	72169	1	1	1	821,415	1640,815	2
47	74,2	15414	1	1	1	547,9457	1640,815	3
47	74,2	72170	1	1	1	821,4151	1640,816	2
47	74,2	15417	1	1	1	547,9461	1640,817	3
47	74,2	72175	1	1	1	821,4156	1640,817	2
47	74,2	15418	1	1	1	547,9464	1640,818	3
47	74,2	15419	1	1	1	547,9465	1640,818	3
47	74,2	15420	1	1	1	547,9466	1640,818	3
47	74,2	15422	1	1	1	547,9466	1640,818	3
47	74,2	72179	1	1	1	821,4166	1640,819	2

47	74,2	72182	1	1	1	821,417	1640,82	2
47	74,2	72183	1	1	1	821,4171	1640,82	2
47	74,2	72184	1	1	1	821,4171	1640,82	2
47	74,2	72185	1	1	1	821,4171	1640,82	2
47	74,2	72186	1	1	1	821,4173	1640,82	2
47	74,2	72188	1	1	1	821,4177	1640,821	2
47	74,2	72189	1	1	1	821,4177	1640,821	2
47	74,2	72191	1	1	1	821,418	1640,822	2
47	74,2	72193	1	1	1	821,4192	1640,824	2
47	74,2	72194	1	1	1	821,4195	1640,825	2
47	74,2	72195	1	1	1	821,4204	1640,826	2
47	74,2	72252	1	1	1	821,8909	1641,767	2
47	74,2	72256	1	1	1	821,8921	1641,77	2
47	74,2	72257	1	1	1	821,8926	1641,771	2
47	74,2	72258	1	1	1	821,8935	1641,773	2
47	74,2	72260	1	1	1	821,8947	1641,775	2
47	74,2	77958	1	1	1	850,9262	1699,838	2
47	74,2	82331	1	1	1	873,4665	1744,918	2
47	74,2	82332	1	1	1	873,4669	1744,919	2
47	74,2	82335	1	1	1	873,47	1744,926	2
47	74,2	82336	1	1	1	873,4712	1744,928	2
47	74,2	22409	1	1	1	585,9534	1754,838	3
47	74,2	83161	1	1	1	878,4367	1754,859	2
47	74,2	83164	1	1	1	878,4375	1754,861	2
47	74,2	83166	1	1	1	878,4383	1754,862	2
47	74,2	83167	1	1	1	878,4384	1754,862	2
47	74,2	83170	1	1	1	878,4405	1754,866	2
47	74,2	83187	1	1	1	878,4471	1754,88	2
47	74,2	24806	1	1	1	598,6579	1792,952	3
47	74,2	86746	1	1	1	897,4842	1792,954	2
47	74,2	24807	1	1	1	598,659	1792,955	3
47	74,2	86747	1	1	1	897,487	1792,96	2
47	74,2	26079	1	1	1	605,6294	1813,866	3
47	74,2	88810	1	1	1	907,9486	1813,883	2
47	74,2	88811	1	1	1	907,9488	1813,883	2
47	74,2	88813	1	1	1	907,9497	1813,885	2
47	74,2	88814	1	1	1	907,9498	1813,885	2
47	74,2	27133	1	1	1	610,9595	1829,857	3
47	74,2	29906	1	1	1	623,6501	1867,928	3
47	74,2	93856	1	1	1	934,977	1867,939	2
47	74,2	93860	1	1	1	934,9789	1867,943	2
47	74,2	93861	1	1	1	934,9795	1867,945	2
47	74,2	93863	1	1	1	934,98	1867,945	2
47	74,2	93864	1	1	1	934,9811	1867,948	2
47	74,2	93865	1	1	1	934,9817	1867,949	2
47	74,2	37871	1	1	1	661,9937	1982,959	3
47	74,2	104113	1	1	1	999,5012	1996,988	2
47	74,2	104114	1	1	1	999,5017	1996,989	2



47	74,2	107330	1	1	1	1021,027	2040,04	2
47	74,2	42139	1	1	1	681,0214	2040,042	3
47	74,2	42140	1	1	1	681,0218	2040,044	3
47	74,2	42141	1	1	1	681,0218	2040,044	3
47	74,2	107332	1	1	1	1021,031	2040,048	2
47	74,2	107334	1	1	1	1021,032	2040,05	2
47	74,2	107335	1	1	1	1021,033	2040,051	2
47	74,2	107338	1	1	1	1021,034	2040,053	2
47	74,2	108484	1	1	1	1028,009	2054,004	2
47	74,2	108485	1	1	1	1028,01	2054,004	2
47	74,2	108486	1	1	1	1028,011	2054,007	2
47	74,2	108487	1	1	1	1028,012	2054,009	2
47	74,2	43371	1	1	1	686,3502	2056,029	3
47	74,2	108645	1	1	1	1029,025	2056,036	2
47	74,2	45089	1	1	1	694,9968	2081,969	3
47	74,2	47047	1	1	1	704,6811	2111,021	3
47	74,2	112648	1	1	1	1056,52	2111,026	2
47	74,2	112659	1	1	1	1056,522	2111,029	2
47	74,2	48186	1	1	1	709,3939	2125,16	3
47	74,2	113535	1	1	1	1063,589	2125,163	2
47	74,2	113536	1	1	1	1063,591	2125,167	2
47	74,2	54820	1	1	1	738,3613	2212,062	3
47	74,2	54821	1	1	1	738,3622	2212,065	3
47	74,2	54824	1	1	1	738,3633	2212,068	3
47	74,2	118989	1	1	1	1107,042	2212,07	2
47	74,2	118990	1	1	1	1107,043	2212,071	2
47	74,2	118992	1	1	1	1107,044	2212,074	2
47	74,2	120572	1	1	1	1122,132	2242,249	2
47	74,2	122937	1	1	1	1146,054	2290,094	2
47	74,2	124237	1	1	1	1163,581	2325,148	2
47	74,2	69289	1	1	1	807,0696	2418,187	3
47	74,2	96240	1	1	1	949,1541	2844,44	3
47	74,2	96241	1	1	1	949,1549	2844,443	3
47	74,2	96242	1	1	1	949,1558	2844,446	3
47	74,2	102882	1	1	1	991,8496	2972,527	3
47	74,2	110615	1	1	1	1042,495	3124,464	3
47	74,2	110617	1	1	1	1042,497	3124,468	3
47	74,2	119717	1	1	1	1113,213	3336,618	3
47	74,2	119721	1	1	1	1113,215	3336,624	3
47	74,2	119723	1	1	1	1113,216	3336,625	3
47	74,2	119725	1	1	1	1113,216	3336,627	3
47	74,2	119728	1	1	1	1113,217	3336,629	3
47	74,2	119729	1	1	1	1113,217	3336,63	3
47	74,2	119730	1	1	1	1113,217	3336,63	3
47	74,2	119732	1	1	1	1113,218	3336,631	3
47	74,2	119736	1	1	1	1113,219	3336,634	3
47	74,2	119737	1	1	1	1113,219	3336,635	3
47	74,2	119738	1	1	1	1113,219	3336,635	3

47	74,2	119741	1	1	1	1113,222	3336,643	3
47	74,2	119743	1	1	1	1113,224	3336,651	3
47	74,2	120642	1	1	1	1122,93	3365,768	3
47	74,2	124369	1	1	1	1165,63	3493,868	3
47	74,2	124370	1	1	1	1165,632	3493,874	3
57	54,9	1882	1	1	1	433,2812	864,5478	2
57	54,9	1884	1	1	1	433,2813	864,5481	2
57	54,9	1886	1	1	1	433,2816	864,5486	2
57	54,9	5404	1	1	1	478,2957	954,5769	2
57	54,9	12803	1	1	1	530,2567	1058,499	2
57	54,9	13135	1	1	1	532,2665	1062,518	2
57	54,9	13137	1	1	1	532,2675	1062,521	2
57	54,9	14766	1	1	1	543,3169	1084,619	2
57	54,9	14864	1	1	1	544,2907	1086,567	2
57	54,9	14865	1	1	1	544,2913	1086,568	2
57	54,9	15608	1	1	1	549,262	1096,509	2
57	54,9	19398	1	1	1	570,3614	1138,708	2
57	54,9	19400	1	1	1	570,3619	1138,709	2
57	54,9	19402	1	1	1	570,3654	1138,716	2
57	54,9	20837	1	1	1	577,8684	1153,722	2
57	54,9	23826	1	1	1	592,779	1183,543	2
57	54,9	23828	1	1	1	592,7795	1183,545	2
57	54,9	24208	1	1	1	594,8049	1187,595	2
57	54,9	24496	1	1	1	596,7917	1191,569	2
57	54,9	27015	1	1	1	610,3176	1218,621	2
57	54,9	27018	1	1	1	610,3186	1218,623	2
57	54,9	27020	1	1	1	610,3188	1218,623	2
57	54,9	29614	1	1	1	622,3516	1242,689	2
57	54,9	29615	1	1	1	622,3526	1242,691	2
57	54,9	29617	1	1	1	622,3535	1242,692	2
57	54,9	29618	1	1	1	622,3538	1242,693	2
57	54,9	29767	1	1	1	623,3198	1244,625	2
57	54,9	30794	1	1	1	627,3661	1252,718	2
57	54,9	32921	1	1	1	637,8276	1273,641	2
57	54,9	35288	1	1	1	649,3235	1296,633	2
57	54,9	36036	1	1	1	653,3308	1304,647	2
57	54,9	36037	1	1	1	653,3309	1304,647	2
57	54,9	36044	1	1	1	653,3325	1304,651	2
57	54,9	36045	1	1	1	653,3327	1304,651	2
57	54,9	36046	1	1	1	653,3333	1304,652	2
57	54,9	36047	1	1	1	653,3333	1304,652	2
57	54,9	36048	1	1	1	653,3334	1304,652	2
57	54,9	36050	1	1	1	653,3341	1304,654	2
57	54,9	36051	1	1	1	653,3342	1304,654	2
57	54,9	36052	1	1	1	653,3365	1304,658	2
57	54,9	36969	1	1	1	657,8689	1313,723	2
57	54,9	36970	1	1	1	657,8696	1313,725	2
57	54,9	36971	1	1	1	657,8697	1313,725	2

57	54,9	36972	1	1	1	657,8698	1313,725	2
57	54,9	36974	1	1	1	657,8707	1313,727	2
57	54,9	40253	1	1	1	672,8496	1343,685	2
57	54,9	40257	1	1	1	672,8502	1343,686	2
57	54,9	40259	1	1	1	672,8505	1343,687	2
57	54,9	40262	1	1	1	672,8509	1343,687	2
57	54,9	40264	1	1	1	672,8514	1343,688	2
57	54,9	40265	1	1	1	672,8516	1343,689	2
57	54,9	40267	1	1	1	672,8519	1343,689	2
57	54,9	40269	1	1	1	672,8522	1343,69	2
57	54,9	40271	1	1	1	672,8523	1343,69	2
57	54,9	40272	1	1	1	672,8525	1343,691	2
57	54,9	40273	1	1	1	672,8525	1343,691	2
57	54,9	40275	1	1	1	672,8526	1343,691	2
57	54,9	40278	1	1	1	672,8531	1343,692	2
57	54,9	40280	1	1	1	672,8533	1343,692	2
57	54,9	40284	1	1	1	672,854	1343,694	2
57	54,9	40287	1	1	1	672,8542	1343,694	2
57	54,9	40307	1	0	1	672,857	1343,699	2
57	54,9	40838	1	1	1	674,8409	1347,667	2
57	54,9	41525	1	1	1	677,91	1353,805	2
57	54,9	41527	1	1	1	677,911	1353,807	2
57	54,9	53179	1	1	1	731,3845	1460,755	2
57	54,9	56149	1	1	1	744,8962	1487,778	2
57	54,9	56150	1	1	1	744,897	1487,78	2
57	54,9	56151	1	1	1	744,8977	1487,781	2
57	54,9	56152	1	1	1	744,8981	1487,782	2
57	54,9	57210	1	1	1	749,3471	1496,68	2
57	54,9	57211	1	1	1	749,3472	1496,68	2
57	54,9	58848	1	1	1	757,347	1512,68	2
57	54,9	59339	1	1	1	759,3628	1516,711	2
57	54,9	59340	1	1	1	759,3632	1516,712	2
57	54,9	59346	1	1	1	759,3652	1516,716	2
57	54,9	59347	1	1	1	759,3652	1516,716	2
57	54,9	59348	1	1	1	759,3653	1516,716	2
57	54,9	59351	1	1	1	759,3656	1516,717	2
57	54,9	59352	1	1	1	759,3657	1516,717	2
57	54,9	59353	1	1	1	759,366	1516,717	2
57	54,9	59354	1	1	1	759,3663	1516,718	2
57	54,9	59355	1	1	1	759,3664	1516,718	2
57	54,9	59357	1	1	1	759,3669	1516,719	2
57	54,9	59358	1	1	1	759,367	1516,72	2
57	54,9	60453	1	1	1	764,8837	1527,753	2
57	54,9	60455	1	1	1	764,8852	1527,756	2
57	54,9	60456	1	1	1	764,8857	1527,757	2
57	54,9	60459	1	1	1	764,8878	1527,761	2
57	54,9	60460	1	1	1	764,8883	1527,762	2
57	54,9	60461	1	1	1	764,8885	1527,763	2

57	54,9	60742	1	1	1	766,3775	1530,74	2
57	54,9	60743	1	1	1	766,378	1530,741	2
57	54,9	60744	1	1	1	766,3782	1530,742	2
57	54,9	60746	1	1	1	766,3796	1530,745	2
57	54,9	60748	1	1	1	766,38	1530,746	2
57	54,9	60749	1	1	1	766,3801	1530,746	2
57	54,9	60750	1	1	1	766,3804	1530,746	2
57	54,9	64433	1	1	1	783,9578	1565,901	2
57	54,9	64434	1	1	1	783,9584	1565,902	2
57	54,9	64435	1	1	1	783,9585	1565,902	2
57	54,9	64437	1	1	1	783,96	1565,906	2
57	54,9	64438	1	1	1	783,9613	1565,908	2
57	54,9	70608	1	1	1	813,4442	1624,874	2
57	54,9	74853	1	1	1	835,4071	1668,8	2
57	54,9	74856	1	1	1	835,4092	1668,804	2
57	54,9	17998	1	1	1	562,2913	1683,852	3
57	54,9	76442	1	1	1	842,9374	1683,86	2
57	54,9	78068	1	1	1	851,4813	1700,948	2
57	54,9	78069	1	1	1	851,4825	1700,95	2
57	54,9	82022	1	1	1	871,971	1741,927	2
57	54,9	86558	1	1	1	896,5331	1791,052	2
57	54,9	89383	1	1	1	910,5349	1819,055	2
57	54,9	89384	1	1	1	910,5394	1819,064	2
57	54,9	93566	1	1	1	932,9236	1863,833	2
57	54,9	93567	1	1	1	932,9247	1863,835	2
57	54,9	31285	1	1	1	629,962	1886,864	3
57	54,9	95399	1	1	1	944,4398	1886,865	2
57	54,9	95401	1	1	1	944,4405	1886,866	2
57	54,9	95402	1	1	1	944,4406	1886,867	2
57	54,9	95403	1	1	1	944,4408	1886,867	2
57	54,9	95404	1	1	1	944,4408	1886,867	2
57	54,9	95408	1	1	1	944,4421	1886,87	2
57	54,9	95409	1	1	1	944,4421	1886,87	2
57	54,9	95410	1	1	1	944,4424	1886,87	2
57	54,9	95411	1	1	1	944,4428	1886,871	2
57	54,9	95413	1	1	1	944,4433	1886,872	2
57	54,9	95415	1	1	1	944,4435	1886,873	2
57	54,9	95417	1	1	1	944,4441	1886,874	2
57	54,9	95418	1	1	1	944,445	1886,876	2
57	54,9	95419	1	1	1	944,4455	1886,876	2
57	54,9	95420	1	1	1	944,446	1886,878	2
57	54,9	96044	1	1	1	948,4065	1894,798	2
57	54,9	96049	1	1	1	948,4099	1894,805	2
57	54,9	96711	1	1	1	952,4376	1902,861	2
57	54,9	32325	1	1	1	635,2944	1902,862	3
57	54,9	96721	1	1	1	952,4393	1902,864	2
57	54,9	96725	1	1	1	952,4398	1902,865	2
57	54,9	32327	1	1	1	635,2957	1902,865	3

57	54,9	96735	1	1	1	952,4415	1902,868	2
57	54,9	32970	1	1	1	638,0113	1911,012	3
57	54,9	32973	1	1	1	638,0133	1911,018	3
57	54,9	32974	1	1	1	638,0135	1911,019	3
57	54,9	32975	1	1	1	638,0136	1911,019	3
57	54,9	32976	1	1	1	638,0141	1911,02	3
57	54,9	32978	1	1	1	638,0145	1911,022	3
57	54,9	100402	1	1	1	974,5816	1947,149	2
57	54,9	100403	1	1	1	974,5823	1947,15	2
57	54,9	100404	1	1	1	974,5843	1947,154	2
57	54,9	108505	1	1	1	1028,036	2054,058	2
57	54,9	109157	1	1	1	1032,467	2062,919	2
57	54,9	44994	1	1	1	694,3621	2080,064	3
57	54,9	115876	1	1	1	1081,058	2160,102	2
57	54,9	54250	1	1	1	736,1133	2205,318	3
57	54,9	54251	1	1	1	736,1139	2205,32	3
57	54,9	54891	1	1	1	738,7171	2213,13	3
57	54,9	54892	1	1	1	738,7173	2213,13	3
57	54,9	125125	1	1	1	1173,606	2345,198	2
57	54,9	78463	1	1	1	853,4082	2557,203	3
57	54,9	78465	1	1	1	853,4099	2557,208	3
57	54,9	79504	1	1	1	858,7428	2573,206	3
57	54,9	81267	1	1	1	868,4191	2602,235	3
57	54,9	81270	1	1	1	868,423	2602,247	3
57	54,9	132041	1	1	1	1310,117	2618,219	2
57	54,9	132042	1	1	1	1310,117	2618,219	2
57	54,9	132044	1	1	1	1310,119	2618,223	2
57	54,9	82352	1	1	1	873,749	2618,225	3
57	54,9	132045	1	1	1	1310,12	2618,226	2
57	54,9	132046	1	1	1	1310,121	2618,227	2
57	54,9	132048	1	1	1	1310,122	2618,229	2
57	54,9	132049	1	1	1	1310,122	2618,229	2
57	54,9	82354	1	1	1	873,7513	2618,232	3
57	54,9	82355	1	1	1	873,7517	2618,233	3
57	54,9	82356	1	1	1	873,7525	2618,236	3
57	54,9	83263	1	1	1	878,5128	2632,517	3
57	54,9	132331	1	1	1	1318,116	2634,218	2
57	54,9	132332	1	1	1	1318,116	2634,218	2
57	54,9	83296	1	1	1	879,0822	2634,225	3
57	54,9	83297	1	1	1	879,0824	2634,225	3
57	54,9	83298	1	1	1	879,0827	2634,226	3
57	54,9	83299	1	1	1	879,0831	2634,227	3
57	54,9	132334	1	1	1	1318,122	2634,23	2
57	54,9	83301	1	1	1	879,0844	2634,232	3
57	54,9	90277	1	1	1	915,8117	2744,413	3
57	54,9	90278	1	1	1	915,8129	2744,417	3
57	54,9	94923	1	1	1	941,1538	2820,44	3
57	54,9	99488	1	1	1	970,1647	2907,472	3

57	54,9	99489	1	1	1	970,1648	2907,472	3
57	54,9	105267	1	1	1	1007,86	3020,559	3
57	54,9	115888	1	1	1	1081,219	3240,635	3
57	54,9	115889	1	1	1	1081,22	3240,638	3
8	17,4	29614	1	0	1	622,3516	1242,689	2
8	17,4	29615	1	0	1	622,3526	1242,691	2
8	17,4	29617	1	0	1	622,3535	1242,692	2
8	17,4	29618	1	0	1	622,3538	1242,693	2
8	17,4	34406	1	0	1	644,8359	1287,657	2
8	17,4	34407	1	0	1	644,837	1287,659	2
8	17,4	36332	1	0	1	654,8749	1307,735	2
8	17,4	36969	1	0	1	657,8689	1313,723	2
8	17,4	36970	1	0	1	657,8696	1313,725	2
8	17,4	36971	1	0	1	657,8697	1313,725	2
8	17,4	36972	1	0	1	657,8698	1313,725	2
8	17,4	36974	1	0	1	657,8707	1313,727	2
8	17,4	51912	1	0	1	726,3586	1450,703	2
8	17,4	51913	1	0	1	726,3588	1450,703	2
8	17,4	60929	1	0	1	767,3649	1532,715	2
8	17,4	60932	1	0	1	767,3659	1532,717	2
8	17,4	104788	1	0	1	1004,449	2006,884	2
8	17,4	104789	1	0	1	1004,451	2006,888	2
8	17,4	104790	1	0	1	1004,453	2006,891	2
8	17,4	72059	1	0	1	820,7839	2459,33	3
21	75,3	18367	1	1	1	564,3128	1126,611	2
21	75,3	19006	1	1	1	567,7922	1133,57	2
21	75,3	29261	1	1	1	620,8537	1239,693	2
21	75,3	29264	1	1	1	620,8556	1239,697	2
21	75,3	29265	1	1	1	620,8556	1239,697	2
21	75,3	29266	1	1	1	620,8559	1239,697	2
21	75,3	29267	1	1	1	620,8566	1239,699	2
21	75,3	29269	1	1	1	620,8568	1239,699	2
21	75,3	29275	1	1	1	620,8577	1239,701	2
21	75,3	39275	1	1	1	667,828	1333,642	2
21	75,3	39296	1	1	1	667,8511	1333,688	2
21	75,3	48435	1	1	1	710,8456	1419,677	2
21	75,3	49607	1	1	1	716,3538	1430,693	2
21	75,3	53905	1	1	1	734,8894	1467,764	2
21	75,3	53909	1	1	1	734,8897	1467,765	2
21	75,3	53918	1	1	1	734,8922	1467,77	2
21	75,3	53919	1	1	1	734,8926	1467,771	2
21	75,3	60825	1	1	1	766,873	1531,731	2
21	75,3	60828	1	1	1	766,8746	1531,735	2
21	75,3	60831	1	1	1	766,8762	1531,738	2
21	75,3	60832	1	1	1	766,8762	1531,738	2
21	75,3	60833	1	1	1	766,8765	1531,739	2
21	75,3	60834	1	1	1	766,8765	1531,739	2
21	75,3	60835	1	1	1	766,8767	1531,739	2

21	75,3	60836	1	1	1	766,8767	1531,739	2
21	75,3	60837	1	1	1	766,8768	1531,739	2
21	75,3	60838	1	1	1	766,8768	1531,739	2
21	75,3	60839	1	1	1	766,8769	1531,739	2
21	75,3	60842	1	1	1	766,8772	1531,74	2
21	75,3	60844	1	1	1	766,8773	1531,74	2
21	75,3	60845	1	1	1	766,8773	1531,74	2
21	75,3	60846	1	1	1	766,8773	1531,74	2
21	75,3	60847	1	1	1	766,8774	1531,74	2
21	75,3	60848	1	1	1	766,8775	1531,74	2
21	75,3	60849	1	1	1	766,8777	1531,741	2
21	75,3	60850	1	1	1	766,8778	1531,741	2
21	75,3	60851	1	1	1	766,8778	1531,741	2
21	75,3	60852	1	1	1	766,878	1531,741	2
21	75,3	60853	1	1	1	766,878	1531,742	2
21	75,3	60854	1	1	1	766,8783	1531,742	2
21	75,3	60856	1	1	1	766,8785	1531,742	2
21	75,3	60857	1	1	1	766,8786	1531,743	2
21	75,3	60858	1	1	1	766,8788	1531,743	2
21	75,3	60859	1	1	1	766,879	1531,743	2
21	75,3	60860	1	1	1	766,879	1531,743	2
21	75,3	60861	1	1	1	766,8793	1531,744	2
21	75,3	60862	1	1	1	766,8808	1531,747	2
21	75,3	60863	1	1	1	766,8809	1531,747	2
21	75,3	65291	1	1	1	787,8867	1573,759	2
21	75,3	72795	1	1	1	824,426	1646,837	2
21	75,3	72797	1	1	1	824,4268	1646,839	2
21	75,3	72802	1	1	1	824,43	1646,845	2
21	75,3	73468	1	1	1	828,421	1654,828	2
21	75,3	86493	1	1	1	896,4449	1790,875	2
21	75,3	88103	1	1	1	904,4398	1806,865	2
21	75,3	88108	1	1	1	904,442	1806,869	2
21	75,3	25682	1	1	1	603,2975	1806,871	3
21	75,3	25684	1	1	1	603,2977	1806,871	3
21	75,3	88115	1	1	1	904,4441	1806,874	2
21	75,3	88120	1	1	1	904,4446	1806,875	2
21	75,3	88123	1	1	1	904,4452	1806,876	2
21	75,3	93480	1	1	1	932,4624	1862,91	2
21	75,3	93481	1	1	1	932,4628	1862,911	2
21	75,3	101112	1	1	1	979,9451	1957,876	2
21	75,3	101117	1	1	1	979,9473	1957,88	2
21	75,3	101120	1	1	1	979,9478	1957,881	2
21	75,3	101123	1	1	1	979,9486	1957,883	2
21	75,3	101124	1	1	1	979,9491	1957,884	2
21	75,3	101125	1	1	1	979,9492	1957,884	2
21	75,3	101126	1	1	1	979,9492	1957,884	2
21	75,3	101127	1	1	1	979,9492	1957,884	2
21	75,3	101129	1	1	1	979,9494	1957,884	2

21	75,3	101130	1	1	1	979,9494	1957,884	2
21	75,3	101131	1	1	1	979,9494	1957,884	2
21	75,3	101132	1	1	1	979,9495	1957,885	2
21	75,3	101133	1	1	1	979,9496	1957,885	2
21	75,3	101134	1	1	1	979,9496	1957,885	2
21	75,3	101135	1	1	1	979,9498	1957,885	2
21	75,3	101136	1	1	1	979,9499	1957,885	2
21	75,3	101137	1	1	1	979,9503	1957,886	2
21	75,3	101139	1	1	1	979,9505	1957,886	2
21	75,3	101140	1	1	1	979,9505	1957,887	2
21	75,3	101141	1	1	1	979,9509	1957,887	2
21	75,3	101143	1	1	1	979,9516	1957,889	2
21	75,3	101144	1	1	1	979,9522	1957,89	2
21	75,3	101149	1	1	1	979,9539	1957,893	2
21	75,3	101150	1	1	1	979,9541	1957,894	2
21	75,3	102498	1	1	1	989,0044	1975,994	2
21	75,3	102500	1	1	1	989,0063	1975,998	2
21	75,3	42645	1	1	1	683,3457	2047,015	3
21	75,3	107946	1	1	1	1024,517	2047,019	2
21	75,3	107948	1	1	1	1024,518	2047,021	2
21	75,3	107950	1	1	1	1024,52	2047,025	2
21	75,3	107951	1	1	1	1024,521	2047,027	2
21	75,3	107952	1	1	1	1024,522	2047,029	2
21	75,3	107953	1	1	1	1024,522	2047,03	2
21	75,3	107954	1	1	1	1024,523	2047,031	2
21	75,3	107955	1	1	1	1024,523	2047,031	2
21	75,3	107956	1	1	1	1024,523	2047,031	2
21	75,3	107957	1	1	1	1024,523	2047,031	2
21	75,3	107958	1	1	1	1024,523	2047,032	2
21	75,3	107960	1	1	1	1024,525	2047,036	2
21	75,3	107962	1	1	1	1024,526	2047,037	2
21	75,3	107963	1	1	1	1024,526	2047,038	2
21	75,3	107964	1	1	1	1024,527	2047,039	2
21	75,3	107965	1	1	1	1024,527	2047,04	2
21	75,3	49327	1	1	1	715,3386	2142,994	3
21	75,3	49329	1	1	1	715,3389	2142,995	3
21	75,3	49330	1	1	1	715,3389	2142,995	3
21	75,3	49331	1	1	1	715,339	2142,995	3
21	75,3	49335	1	1	1	715,3403	2142,999	3
21	75,3	49336	1	1	1	715,3411	2143,002	3
21	75,3	49337	1	1	1	715,3414	2143,002	3
21	75,3	49338	1	1	1	715,3417	2143,003	3
21	75,3	49340	1	1	1	715,3433	2143,008	3
21	75,3	66946	1	1	1	796,3783	2386,113	3
21	75,3	66947	1	1	1	796,3784	2386,113	3
21	75,3	66950	1	1	1	796,3798	2386,118	3
21	75,3	66952	1	1	1	796,3802	2386,119	3
21	75,3	132356	1	1	1	1319,109	2636,204	2



21	75,3	103400	1	1	1	994,8428	2981,506	3
21	75,3	103401	1	1	1	994,8469	2981,519	3
21	75,3	116600	1	1	1	1086,553	3256,638	3
30	70,4	6709	1	1	1	488,7434	975,4722	2
30	70,4	13927	1	1	1	537,3027	1072,591	2
30	70,4	15122	1	1	1	546,2561	1090,498	2
30	70,4	15136	1	1	1	546,2589	1090,503	2
30	70,4	15138	1	1	1	546,2592	1090,504	2
30	70,4	16418	1	1	1	554,2533	1106,492	2
30	70,4	16424	1	1	1	554,2548	1106,495	2
30	70,4	16427	1	1	1	554,2555	1106,497	2
30	70,4	17287	1	1	1	558,7619	1115,509	2
30	70,4	20152	1	1	1	574,3229	1146,631	2
30	70,4	20153	1	1	1	574,3233	1146,632	2
30	70,4	20154	1	1	1	574,3237	1146,633	2
30	70,4	20156	1	1	1	574,324	1146,634	2
30	70,4	20159	1	1	1	574,3246	1146,635	2
30	70,4	20160	1	1	1	574,3249	1146,635	2
30	70,4	20161	1	1	1	574,3251	1146,636	2
30	70,4	20162	1	1	1	574,3253	1146,636	2
30	70,4	20164	1	1	1	574,3255	1146,636	2
30	70,4	20169	1	1	1	574,326	1146,637	2
30	70,4	20170	1	1	1	574,3261	1146,638	2
30	70,4	20172	1	1	1	574,3264	1146,638	2
30	70,4	20173	1	1	1	574,3265	1146,638	2
30	70,4	20174	1	1	1	574,3265	1146,638	2
30	70,4	20175	1	1	1	574,3267	1146,639	2
30	70,4	20180	1	1	1	574,327	1146,64	2
30	70,4	20181	1	1	1	574,3272	1146,64	2
30	70,4	20182	1	1	1	574,3278	1146,641	2
30	70,4	20183	1	1	1	574,3278	1146,641	2
30	70,4	21709	1	1	1	582,3201	1162,626	2
30	70,4	21714	1	1	1	582,3219	1162,629	2
30	70,4	21718	1	1	1	582,3226	1162,631	2
30	70,4	21722	1	1	1	582,323	1162,631	2
30	70,4	21726	1	1	1	582,3233	1162,632	2
30	70,4	21727	1	1	1	582,3233	1162,632	2
30	70,4	21728	1	1	1	582,3233	1162,632	2
30	70,4	21732	1	1	1	582,3235	1162,632	2
30	70,4	21740	1	1	1	582,3238	1162,633	2
30	70,4	24066	1	1	1	593,8457	1185,677	2
30	70,4	24310	1	1	1	595,3306	1188,647	2
30	70,4	25619	1	1	1	602,799	1203,584	2
30	70,4	25621	1	1	1	602,8013	1203,588	2
30	70,4	27093	1	1	1	610,7968	1219,579	2
30	70,4	28007	1	1	1	615,3045	1228,595	2
30	70,4	37338	1	1	1	659,3676	1316,721	2
30	70,4	39178	1	1	1	667,3642	1332,714	2

30	70,4	42920	1	1	1	684,3303	1366,646	2
30	70,4	42921	1	1	1	684,3305	1366,646	2
30	70,4	42926	1	1	1	684,3316	1366,649	2
30	70,4	42927	1	1	1	684,3317	1366,649	2
30	70,4	44602	1	1	1	692,3284	1382,642	2
30	70,4	44615	1	1	1	692,3292	1382,644	2
30	70,4	46657	1	1	1	702,8805	1403,746	2
30	70,4	46658	1	1	1	702,8814	1403,748	2
30	70,4	46660	1	1	1	702,8826	1403,751	2
30	70,4	46667	1	1	1	702,8842	1403,754	2
30	70,4	46676	1	1	1	702,886	1403,757	2
30	70,4	53023	1	1	1	730,4021	1458,79	2
30	70,4	53026	1	1	1	730,4044	1458,794	2
30	70,4	54871	1	1	1	738,3981	1474,782	2
30	70,4	54874	1	1	1	738,4005	1474,787	2
30	70,4	54875	1	1	1	738,4006	1474,787	2
30	70,4	60675	1	1	1	765,9214	1529,828	2
30	70,4	60677	1	1	1	765,9228	1529,831	2
30	70,4	60678	1	1	1	765,9229	1529,831	2
30	70,4	60679	1	1	1	765,9231	1529,832	2
30	70,4	60680	1	1	1	765,9233	1529,832	2
30	70,4	60681	1	1	1	765,9235	1529,832	2
30	70,4	62359	1	1	1	773,9159	1545,817	2
30	70,4	10548	1	1	1	516,2804	1545,819	3
30	70,4	10549	1	1	1	516,2804	1545,819	3
30	70,4	62361	1	1	1	773,9177	1545,821	2
30	70,4	62363	1	1	1	773,9186	1545,823	2
30	70,4	62364	1	1	1	773,9187	1545,823	2
30	70,4	62368	1	1	1	773,9193	1545,824	2
30	70,4	62371	1	1	1	773,9204	1545,826	2
30	70,4	63670	1	1	1	779,9335	1557,852	2
30	70,4	63671	1	1	1	779,9336	1557,853	2
30	70,4	63672	1	1	1	779,9339	1557,853	2
30	70,4	63674	1	1	1	779,9345	1557,855	2
30	70,4	63675	1	1	1	779,9346	1557,855	2
30	70,4	63676	1	1	1	779,9354	1557,856	2
30	70,4	65314	1	1	1	787,924	1573,833	2
30	70,4	65319	1	1	1	787,9273	1573,84	2
30	70,4	65320	1	1	1	787,9274	1573,84	2
30	70,4	65321	1	1	1	787,9277	1573,841	2
30	70,4	65326	1	1	1	787,9294	1573,844	2
30	70,4	65329	1	1	1	787,9298	1573,845	2
30	70,4	65332	1	1	1	787,93	1573,846	2
30	70,4	65334	1	1	1	787,9308	1573,847	2
30	70,4	65335	1	1	1	787,9309	1573,847	2
30	70,4	65338	1	1	1	787,9325	1573,851	2
30	70,4	65340	1	1	1	787,9343	1573,854	2
30	70,4	68188	1	1	1	801,4393	1600,864	2

30	70,4	68189	1	1	1	801,4396	1600,865	2
30	70,4	68190	1	1	1	801,4396	1600,865	2
30	70,4	68244	1	1	1	801,9225	1601,83	2
30	70,4	68245	1	1	1	801,9234	1601,832	2
30	70,4	68246	1	1	1	801,9247	1601,835	2
30	70,4	68247	1	1	1	801,9248	1601,835	2
30	70,4	68249	1	1	1	801,9253	1601,836	2
30	70,4	68250	1	1	1	801,9258	1601,837	2
30	70,4	68251	1	1	1	801,9258	1601,837	2
30	70,4	68252	1	1	1	801,9259	1601,837	2
30	70,4	68253	1	1	1	801,926	1601,837	2
30	70,4	68254	1	1	1	801,9261	1601,838	2
30	70,4	68255	1	1	1	801,9261	1601,838	2
30	70,4	68256	1	1	1	801,9262	1601,838	2
30	70,4	68257	1	1	1	801,9272	1601,84	2
30	70,4	68258	1	1	1	801,9272	1601,84	2
30	70,4	68259	1	1	1	801,9284	1601,842	2
30	70,4	68260	1	1	1	801,9285	1601,843	2
30	70,4	69800	1	1	1	809,4336	1616,853	2
30	70,4	69802	1	1	1	809,4366	1616,859	2
30	70,4	69804	1	1	1	809,4372	1616,86	2
30	70,4	19787	1	1	1	572,3233	1713,948	3
30	70,4	19788	1	1	1	572,3235	1713,949	3
30	70,4	79344	1	1	1	857,9817	1713,949	2
30	70,4	79346	1	1	1	857,9823	1713,95	2
30	70,4	79347	1	1	1	857,9829	1713,951	2
30	70,4	79348	1	1	1	857,9829	1713,951	2
30	70,4	79349	1	1	1	857,9834	1713,952	2
30	70,4	79350	1	1	1	857,9855	1713,957	2
30	70,4	79351	1	1	1	857,9871	1713,96	2
30	70,4	80826	1	1	1	865,9741	1729,934	2
30	70,4	80827	1	1	1	865,9746	1729,935	2
30	70,4	20750	1	1	1	577,6536	1729,939	3
30	70,4	80831	1	1	1	865,9774	1729,94	2
30	70,4	20751	1	1	1	577,6541	1729,94	3
30	70,4	80832	1	1	1	865,9776	1729,941	2
30	70,4	80833	1	1	1	865,9779	1729,941	2
30	70,4	20752	1	1	1	577,6545	1729,942	3
30	70,4	20754	1	1	1	577,6547	1729,942	3
30	70,4	20756	1	1	1	577,655	1729,943	3
30	70,4	80835	1	1	1	865,9795	1729,945	2
30	70,4	80839	1	1	1	865,9801	1729,946	2
30	70,4	80840	1	1	1	865,9802	1729,946	2
30	70,4	80841	1	1	1	865,9803	1729,946	2
30	70,4	80842	1	1	1	865,9803	1729,946	2
30	70,4	80843	1	1	1	865,9803	1729,946	2
30	70,4	80844	1	1	1	865,9809	1729,947	2
30	70,4	80845	1	1	1	865,981	1729,947	2

30	70,4	80846	1	1	1	865,9811	1729,948	2
30	70,4	80847	1	1	1	865,9813	1729,948	2
30	70,4	80851	1	1	1	865,9832	1729,952	2
30	70,4	81623	1	1	1	869,8922	1737,77	2
30	70,4	81624	1	1	1	869,8926	1737,771	2
30	70,4	81625	1	1	1	869,8962	1737,778	2
30	70,4	92317	1	1	1	926,4359	1850,857	2
30	70,4	31910	1	1	1	633,311	1896,911	3
30	70,4	96274	1	1	1	949,4656	1896,917	2
30	70,4	96277	1	1	1	949,4664	1896,918	2
30	70,4	96279	1	1	1	949,4673	1896,92	2
30	70,4	96280	1	1	1	949,4678	1896,921	2
30	70,4	96281	1	1	1	949,4679	1896,921	2
30	70,4	96282	1	1	1	949,468	1896,921	2
30	70,4	96285	1	1	1	949,4692	1896,924	2
30	70,4	96286	1	1	1	949,4696	1896,925	2
30	70,4	96287	1	1	1	949,4702	1896,926	2
30	70,4	96288	1	1	1	949,4703	1896,926	2
30	70,4	96289	1	1	1	949,4704	1896,926	2
30	70,4	96290	1	1	1	949,4704	1896,926	2
30	70,4	96292	1	1	1	949,4708	1896,927	2
30	70,4	99458	1	1	1	969,9525	1937,891	2
30	70,4	99461	1	1	1	969,9543	1937,894	2
30	70,4	99462	1	1	1	969,9549	1937,895	2
30	70,4	36668	1	1	1	656,3479	1966,022	3
30	70,4	106077	1	1	1	1013,47	2024,925	2
30	70,4	114521	1	1	1	1070,97	2139,926	2
30	70,4	52701	1	1	1	729,685	2186,033	3
30	70,4	52702	1	1	1	729,6855	2186,035	3
30	70,4	52703	1	1	1	729,6857	2186,035	3
30	70,4	54003	1	1	1	735,0171	2202,03	3
30	70,4	54004	1	1	1	735,0171	2202,03	3
30	70,4	54009	1	1	1	735,0182	2202,033	3
30	70,4	54010	1	1	1	735,0184	2202,033	3
30	70,4	121812	1	1	1	1135,133	2268,251	2
30	70,4	121821	1	1	1	1135,135	2268,256	2
30	70,4	63522	1	1	1	779,3686	2335,084	3
30	70,4	63524	1	1	1	779,369	2335,085	3
30	70,4	76463	1	1	1	843,1039	2526,29	3
30	70,4	77492	1	1	1	848,4372	2542,29	3
30	70,4	86253	1	1	1	895,1376	2682,391	3
30	70,4	108116	1	1	1	1026,442	3076,304	3
30	70,4	109086	1	1	1	1031,774	3092,299	3
30	70,4	109087	1	1	1	1031,775	3092,302	3
36	69,6	1406	1	1	1	423,2039	844,3933	2
36	69,6	1407	1	1	1	423,2052	844,3959	2
36	69,6	1408	1	1	1	423,206	844,3974	2
36	69,6	1410	1	1	1	423,2064	844,3983	2

36	69,6	3939	1	1	1	464,2598	926,505	2
36	69,6	3971	1	1	1	464,2632	926,5117	2
36	69,6	5524	1	1	1	479,7468	957,479	2
36	69,6	5525	1	1	1	479,7484	957,4823	2
36	69,6	8185	1	1	1	500,7533	999,492	2
36	69,6	9221	1	1	1	507,7764	1013,538	2
36	69,6	9222	1	1	1	507,7765	1013,538	2
36	69,6	9224	1	1	1	507,7766	1013,539	2
36	69,6	9228	1	1	1	507,7771	1013,54	2
36	69,6	9232	1	1	1	507,7779	1013,541	2
36	69,6	9234	1	1	1	507,7785	1013,542	2
36	69,6	9235	1	1	1	507,7785	1013,543	2
36	69,6	9236	1	1	1	507,7786	1013,543	2
36	69,6	9243	1	1	1	507,7789	1013,543	2
36	69,6	9245	1	1	1	507,7791	1013,544	2
36	69,6	11701	1	1	1	523,2627	1044,511	2
36	69,6	11705	1	1	1	523,2635	1044,512	2
36	69,6	11706	1	1	1	523,2637	1044,513	2
36	69,6	11708	1	1	1	523,2639	1044,513	2
36	69,6	11709	1	1	1	523,2655	1044,517	2
36	69,6	12058	1	1	1	525,2628	1048,511	2
36	69,6	12061	1	1	1	525,264	1048,513	2
36	69,6	13078	1	1	1	531,7843	1061,554	2
36	69,6	13619	1	1	1	535,2968	1068,579	2
36	69,6	13621	1	1	1	535,2973	1068,58	2
36	69,6	13624	1	1	1	535,2986	1068,583	2
36	69,6	13625	1	1	1	535,2986	1068,583	2
36	69,6	13626	1	1	1	535,2991	1068,584	2
36	69,6	13627	1	1	1	535,2993	1068,584	2
36	69,6	13628	1	1	1	535,2993	1068,584	2
36	69,6	18371	1	1	1	564,32	1126,626	2
36	69,6	18372	1	1	1	564,3205	1126,626	2
36	69,6	18374	1	1	1	564,3218	1126,629	2
36	69,6	18376	1	1	1	564,3219	1126,629	2
36	69,6	18379	1	1	1	564,3236	1126,633	2
36	69,6	18380	1	1	1	564,3236	1126,633	2
36	69,6	22393	1	1	1	585,82	1169,626	2
36	69,6	22394	1	1	1	585,8213	1169,628	2
36	69,6	22395	1	1	1	585,8232	1169,632	2
36	69,6	22396	1	1	1	585,8235	1169,632	2
36	69,6	23506	1	1	1	591,3423	1180,67	2
36	69,6	26731	1	1	1	608,8504	1215,686	2
36	69,6	26732	1	1	1	608,8507	1215,687	2
36	69,6	26735	1	1	1	608,8512	1215,688	2
36	69,6	27903	1	1	1	614,3329	1226,651	2
36	69,6	27904	1	1	1	614,333	1226,652	2
36	69,6	34598	1	1	1	645,8505	1289,686	2
36	69,6	34600	1	1	1	645,8519	1289,689	2

36	69,6	34601	1	1	1	645,8519	1289,689	2
36	69,6	34603	1	1	1	645,8521	1289,69	2
36	69,6	34605	1	1	1	645,8529	1289,691	2
36	69,6	34607	1	1	1	645,8532	1289,692	2
36	69,6	34608	1	1	1	645,8536	1289,693	2
36	69,6	34609	1	1	1	645,8538	1289,693	2
36	69,6	34610	1	1	1	645,854	1289,693	2
36	69,6	34611	1	1	1	645,8543	1289,694	2
36	69,6	34612	1	1	1	645,8546	1289,695	2
36	69,6	34613	1	1	1	645,8547	1289,695	2
36	69,6	34614	1	1	1	645,8547	1289,695	2
36	69,6	34615	1	1	1	645,8547	1289,695	2
36	69,6	34616	1	1	1	645,855	1289,695	2
36	69,6	34617	1	1	1	645,855	1289,695	2
36	69,6	34618	1	1	1	645,855	1289,696	2
36	69,6	34620	1	1	1	645,8555	1289,696	2
36	69,6	34621	1	1	1	645,8557	1289,697	2
36	69,6	34622	1	1	1	645,8558	1289,697	2
36	69,6	39179	1	1	1	667,3642	1332,714	2
36	69,6	39181	1	1	1	667,3659	1332,717	2
36	69,6	39182	1	1	1	667,366	1332,718	2
36	69,6	39183	1	1	1	667,3662	1332,718	2
36	69,6	39185	1	1	1	667,3668	1332,719	2
36	69,6	39186	1	1	1	667,367	1332,72	2
36	69,6	39187	1	1	1	667,3671	1332,72	2
36	69,6	39860	1	1	1	670,8766	1339,739	2
36	69,6	46664	1	1	1	702,8839	1403,753	2
36	69,6	46670	1	1	1	702,8846	1403,755	2
36	69,6	46671	1	1	1	702,8846	1403,755	2
36	69,6	49168	1	1	1	714,3898	1426,765	2
36	69,6	49170	1	1	1	714,3909	1426,767	2
36	69,6	49172	1	1	1	714,3912	1426,768	2
36	69,6	49178	1	1	1	714,3919	1426,769	2
36	69,6	49181	1	1	1	714,3924	1426,77	2
36	69,6	49182	1	1	1	714,3927	1426,771	2
36	69,6	49183	1	1	1	714,3933	1426,772	2
36	69,6	49184	1	1	1	714,394	1426,773	2
36	69,6	49186	1	1	1	714,3944	1426,774	2
36	69,6	49187	1	1	1	714,3947	1426,775	2
36	69,6	49188	1	1	1	714,3947	1426,775	2
36	69,6	49189	1	1	1	714,3949	1426,775	2
36	69,6	49190	1	1	1	714,395	1426,775	2
36	69,6	49191	1	1	1	714,3951	1426,776	2
36	69,6	49192	1	1	1	714,3953	1426,776	2
36	69,6	49193	1	1	1	714,3953	1426,776	2
36	69,6	49194	1	1	1	714,3953	1426,776	2
36	69,6	49195	1	1	1	714,3955	1426,776	2
36	69,6	49197	1	1	1	714,3962	1426,778	2

36	69,6	52672	1	1	1	729,3886	1456,763	2
36	69,6	52675	1	1	1	729,391	1456,767	2
36	69,6	52676	1	1	1	729,3914	1456,768	2
36	69,6	54567	1	1	1	737,3927	1472,771	2
36	69,6	9012	1	1	1	506,615	1516,823	3
36	69,6	59417	1	1	1	759,4244	1516,834	2
36	69,6	59418	1	1	1	759,4244	1516,834	2
36	69,6	59419	1	1	1	759,4249	1516,835	2
36	69,6	59422	1	1	1	759,4257	1516,837	2
36	69,6	59423	1	1	1	759,4258	1516,837	2
36	69,6	59425	1	1	1	759,4262	1516,838	2
36	69,6	59428	1	1	1	759,4266	1516,839	2
36	69,6	59429	1	1	1	759,4268	1516,839	2
36	69,6	59431	1	1	1	759,4272	1516,84	2
36	69,6	63658	1	1	1	779,9153	1557,816	2
36	69,6	69628	1	1	1	808,4265	1614,838	2
36	69,6	69629	1	1	1	808,4271	1614,84	2
36	69,6	69631	1	1	1	808,4275	1614,84	2
36	69,6	69632	1	1	1	808,4276	1614,841	2
36	69,6	69633	1	1	1	808,4278	1614,841	2
36	69,6	69634	1	1	1	808,4283	1614,842	2
36	69,6	71185	1	1	1	816,4255	1630,837	2
36	69,6	71191	1	1	1	816,4279	1630,841	2
36	69,6	19933	1	1	1	573,3086	1716,904	3
36	69,6	24450	1	1	1	596,3459	1786,016	3
36	69,6	24454	1	1	1	596,3493	1786,026	3
36	69,6	24455	1	1	1	596,3494	1786,026	3
36	69,6	26188	1	1	1	605,9885	1814,944	3
36	69,6	88983	1	1	1	908,4841	1814,954	2
36	69,6	88984	1	1	1	908,4843	1814,954	2
36	69,6	88985	1	1	1	908,4844	1814,954	2
36	69,6	88986	1	1	1	908,4845	1814,955	2
36	69,6	90397	1	1	1	916,4788	1830,943	2
36	69,6	90399	1	1	1	916,4801	1830,946	2
36	69,6	27205	1	1	1	611,6496	1831,927	3
36	69,6	27208	1	1	1	611,6505	1831,93	3
36	69,6	93423	1	1	1	932,4254	1862,836	2
36	69,6	93437	1	1	1	932,429	1862,844	2
36	69,6	94765	1	1	1	940,4216	1878,829	2
36	69,6	32373	1	1	1	635,3291	1902,966	3
36	69,6	32374	1	1	1	635,3296	1902,967	3
36	69,6	32375	1	1	1	635,3297	1902,967	3
36	69,6	32377	1	1	1	635,33	1902,968	3
36	69,6	32379	1	1	1	635,332	1902,974	3
36	69,6	40431	1	1	1	673,3434	2017,008	3
36	69,6	40433	1	1	1	673,344	2017,01	3
36	69,6	40434	1	1	1	673,3451	2017,013	3
36	69,6	40435	1	1	1	673,3454	2017,014	3

36	69,6	40436	1	1	1	673,3454	2017,015	3
36	69,6	40438	1	1	1	673,3456	2017,015	3
36	69,6	47563	1	1	1	706,3664	2116,077	3
36	69,6	47564	1	1	1	706,367	2116,079	3
36	69,6	47565	1	1	1	706,3673	2116,08	3
36	69,6	47566	1	1	1	706,3675	2116,081	3
36	69,6	47567	1	1	1	706,3677	2116,081	3
36	69,6	47568	1	1	1	706,3678	2116,081	3
36	69,6	47570	1	1	1	706,3681	2116,083	3
36	69,6	47574	1	1	1	706,3688	2116,085	3
36	69,6	47577	1	1	1	706,3702	2116,089	3
36	69,6	47579	1	1	1	706,3706	2116,09	3
36	69,6	56020	1	1	1	744,0679	2229,182	3
36	69,6	62176	1	1	1	773,0701	2316,189	3
36	69,6	62178	1	1	1	773,072	2316,194	3
36	69,6	62180	1	1	1	773,0727	2316,196	3
36	69,6	62181	1	1	1	773,0727	2316,196	3
36	69,6	62182	1	1	1	773,0727	2316,196	3
36	69,6	62183	1	1	1	773,0732	2316,198	3
36	69,6	62184	1	1	1	773,0732	2316,198	3
36	69,6	62185	1	1	1	773,0737	2316,199	3
36	69,6	62186	1	1	1	773,0739	2316,2	3
36	69,6	62189	1	1	1	773,0741	2316,2	3
36	69,6	62191	1	1	1	773,0743	2316,201	3
36	69,6	62193	1	1	1	773,0743	2316,201	3
36	69,6	62194	1	1	1	773,0743	2316,201	3
36	69,6	62195	1	1	1	773,0745	2316,202	3
36	69,6	62196	1	1	1	773,075	2316,203	3
36	69,6	62198	1	1	1	773,076	2316,206	3
36	69,6	62199	1	1	1	773,076	2316,206	3
36	69,6	62200	1	1	1	773,0772	2316,21	3
36	69,6	65952	1	1	1	791,4355	2371,285	3
36	69,6	65954	1	1	1	791,4387	2371,294	3
36	69,6	126032	1	1	1	1186,655	2371,295	2
36	69,6	126033	1	1	1	1186,656	2371,297	2
36	69,6	67476	1	1	1	798,7078	2393,102	3
36	69,6	68649	1	1	1	804,0354	2409,084	3
36	69,6	68652	1	1	1	804,0377	2409,091	3
36	69,6	101829	1	1	1	984,5248	2950,553	3
36	69,6	102604	1	1	1	989,8507	2966,53	3
53	61,9	8439	1	1	1	502,773	1003,531	2
53	61,9	8616	1	1	1	503,7764	1005,538	2
53	61,9	9378	1	1	1	508,2933	1014,572	2
53	61,9	9379	1	1	1	508,2954	1014,576	2
53	61,9	11179	1	1	1	519,775	1037,536	2
53	61,9	11181	1	1	1	519,7761	1037,538	2
53	61,9	11182	1	1	1	519,7764	1037,538	2
53	61,9	11183	1	1	1	519,7769	1037,539	2



53	61,9	14939	1	1	1	544,8192	1087,624	2
53	61,9	19232	1	1	1	569,3111	1136,608	2
53	61,9	19233	1	1	1	569,3112	1136,608	2
53	61,9	19234	1	1	1	569,3127	1136,611	2
53	61,9	19854	1	1	1	572,8157	1143,617	2
53	61,9	22039	1	1	1	583,8237	1165,633	2
53	61,9	22040	1	1	1	583,8237	1165,633	2
53	61,9	23779	1	1	1	592,3228	1182,631	2
53	61,9	23785	1	1	1	592,3245	1182,635	2
53	61,9	23790	1	1	1	592,3251	1182,636	2
53	61,9	24036	1	1	1	593,8075	1185,6	2
53	61,9	25334	1	1	1	601,3241	1200,634	2
53	61,9	25337	1	1	1	601,3275	1200,641	2
53	61,9	25338	1	1	1	601,3276	1200,641	2
53	61,9	25339	1	1	1	601,328	1200,641	2
53	61,9	26237	1	1	1	606,305	1210,596	2
53	61,9	26247	1	1	1	606,3067	1210,599	2
53	61,9	26248	1	1	1	606,3068	1210,599	2
53	61,9	26251	1	1	1	606,3074	1210,6	2
53	61,9	26254	1	1	1	606,3079	1210,601	2
53	61,9	26256	1	1	1	606,3086	1210,603	2
53	61,9	26258	1	1	1	606,309	1210,604	2
53	61,9	26260	1	1	1	606,3093	1210,604	2
53	61,9	27179	1	1	1	611,3135	1220,612	2
53	61,9	28811	1	1	1	618,8545	1235,694	2
53	61,9	28812	1	1	1	618,8549	1235,695	2
53	61,9	29071	1	1	1	619,8176	1237,621	2
53	61,9	29076	1	1	1	619,8196	1237,625	2
53	61,9	29718	1	1	1	623,2621	1244,51	2
53	61,9	29720	1	1	1	623,2631	1244,512	2
53	61,9	29721	1	1	1	623,2638	1244,513	2
53	61,9	31502	1	1	1	631,2582	1260,502	2
53	61,9	31503	1	1	1	631,2584	1260,502	2
53	61,9	31504	1	1	1	631,2586	1260,503	2
53	61,9	31505	1	1	1	631,2586	1260,503	2
53	61,9	31507	1	1	1	631,2589	1260,503	2
53	61,9	31509	1	1	1	631,259	1260,503	2
53	61,9	31510	1	1	1	631,259	1260,503	2
53	61,9	31512	1	1	1	631,2591	1260,504	2
53	61,9	31513	1	1	1	631,2591	1260,504	2
53	61,9	31514	1	1	1	631,2591	1260,504	2
53	61,9	31516	1	1	1	631,2592	1260,504	2
53	61,9	31517	1	1	1	631,2592	1260,504	2
53	61,9	31518	1	1	1	631,2593	1260,504	2
53	61,9	31519	1	1	1	631,2594	1260,504	2
53	61,9	31521	1	1	1	631,2595	1260,505	2
53	61,9	31522	1	1	1	631,2596	1260,505	2
53	61,9	31524	1	1	1	631,2599	1260,505	2

53	61,9	31526	1	1	1	631,2608	1260,507	2
53	61,9	31527	1	1	1	631,2611	1260,508	2
53	61,9	31528	1	1	1	631,2615	1260,509	2
53	61,9	32018	1	1	1	633,8314	1265,648	2
53	61,9	32019	1	1	1	633,8318	1265,649	2
53	61,9	32023	1	1	1	633,833	1265,652	2
53	61,9	32025	1	1	1	633,8344	1265,654	2
53	61,9	32028	1	1	1	633,8351	1265,656	2
53	61,9	32660	1	1	1	636,8454	1271,676	2
53	61,9	32662	1	1	1	636,8457	1271,677	2
53	61,9	32664	1	1	1	636,8461	1271,678	2
53	61,9	32672	1	1	1	636,8476	1271,681	2
53	61,9	33104	1	1	1	639,2538	1276,493	2
53	61,9	33108	1	1	1	639,255	1276,496	2
53	61,9	33109	1	1	1	639,2553	1276,496	2
53	61,9	33110	1	1	1	639,2559	1276,497	2
53	61,9	33111	1	1	1	639,256	1276,497	2
53	61,9	33112	1	1	1	639,256	1276,498	2
53	61,9	33113	1	1	1	639,2561	1276,498	2
53	61,9	33114	1	1	1	639,2561	1276,498	2
53	61,9	33115	1	1	1	639,2562	1276,498	2
53	61,9	33122	1	1	1	639,2566	1276,499	2
53	61,9	33123	1	1	1	639,2567	1276,499	2
53	61,9	33124	1	1	1	639,2569	1276,499	2
53	61,9	33125	1	1	1	639,2571	1276,5	2
53	61,9	33126	1	1	1	639,2571	1276,5	2
53	61,9	33131	1	1	1	639,2581	1276,502	2
53	61,9	33455	1	1	1	640,3683	1278,722	2
53	61,9	33456	1	1	1	640,3695	1278,725	2
53	61,9	37112	1	1	1	658,347	1314,68	2
53	61,9	37113	1	1	1	658,3471	1314,68	2
53	61,9	38142	1	1	1	663,3327	1324,651	2
53	61,9	38144	1	1	1	663,3335	1324,653	2
53	61,9	44050	1	1	1	689,9028	1377,791	2
53	61,9	44051	1	1	1	689,9032	1377,792	2
53	61,9	44052	1	1	1	689,9039	1377,793	2
53	61,9	44218	1	1	1	690,3771	1378,74	2
53	61,9	44221	1	1	1	690,3785	1378,742	2
53	61,9	46294	1	1	1	701,364	1400,713	2
53	61,9	46980	1	1	1	704,3647	1406,715	2
53	61,9	48465	1	1	1	710,9164	1419,818	2
53	61,9	48466	1	1	1	710,9178	1419,821	2
53	61,9	48468	1	1	1	710,9192	1419,824	2
53	61,9	51852	1	1	1	725,8936	1449,773	2
53	61,9	51853	1	1	1	725,8946	1449,775	2
53	61,9	51854	1	1	1	725,8949	1449,775	2
53	61,9	51856	1	1	1	725,8966	1449,779	2
53	61,9	51858	1	1	1	725,8968	1449,779	2

53	61,9	51859	1	1	1	725,897	1449,779	2
53	61,9	51860	1	1	1	725,8971	1449,78	2
53	61,9	51862	1	1	1	725,8979	1449,781	2
53	61,9	52171	1	1	1	727,3933	1452,772	2
53	61,9	52176	1	1	1	727,394	1452,773	2
53	61,9	52177	1	1	1	727,3944	1452,774	2
53	61,9	52178	1	1	1	727,3946	1452,775	2
53	61,9	52180	1	1	1	727,3949	1452,775	2
53	61,9	52183	1	1	1	727,3952	1452,776	2
53	61,9	52186	1	1	1	727,3956	1452,777	2
53	61,9	52187	1	1	1	727,3958	1452,777	2
53	61,9	52188	1	1	1	727,3959	1452,777	2
53	61,9	52191	1	1	1	727,3967	1452,779	2
53	61,9	52195	1	1	1	727,3973	1452,78	2
53	61,9	52197	1	1	1	727,3982	1452,782	2
53	61,9	56600	1	1	1	746,8648	1491,715	2
53	61,9	56602	1	1	1	746,8655	1491,716	2
53	61,9	8546	1	1	1	503,2809	1506,821	3
53	61,9	58231	1	1	1	754,4257	1506,837	2
53	61,9	58232	1	1	1	754,4259	1506,837	2
53	61,9	59244	1	1	1	758,8731	1515,732	2
53	61,9	59252	1	1	1	758,8783	1515,742	2
53	61,9	59253	1	1	1	758,8783	1515,742	2
53	61,9	59257	1	1	1	758,879	1515,744	2
53	61,9	59258	1	1	1	758,8793	1515,744	2
53	61,9	59259	1	1	1	758,882	1515,75	2
53	61,9	59260	1	1	1	758,8821	1515,75	2
53	61,9	60981	1	1	1	767,4104	1532,806	2
53	61,9	61198	1	1	1	768,3969	1534,779	2
53	61,9	14436	1	1	1	540,9756	1619,905	3
53	61,9	70077	1	1	1	810,9676	1619,921	2
53	61,9	71253	1	1	1	816,9151	1631,816	2
53	61,9	71255	1	1	1	816,918	1631,822	2
53	61,9	74380	1	1	1	832,9289	1663,843	2
53	61,9	76359	1	1	1	842,452	1682,89	2
53	61,9	76361	1	1	1	842,4531	1682,892	2
53	61,9	18423	1	1	1	564,653	1690,937	3
53	61,9	18424	1	1	1	564,6531	1690,938	3
53	61,9	18425	1	1	1	564,6535	1690,939	3
53	61,9	18427	1	1	1	564,6536	1690,939	3
53	61,9	18428	1	1	1	564,6543	1690,941	3
53	61,9	18429	1	1	1	564,6545	1690,942	3
53	61,9	77129	1	1	1	846,4861	1690,958	2
53	61,9	77130	1	1	1	846,487	1690,959	2
53	61,9	77131	1	1	1	846,4871	1690,96	2
53	61,9	19806	1	1	1	572,6308	1714,871	3
53	61,9	19807	1	1	1	572,6312	1714,872	3
53	61,9	19808	1	1	1	572,6315	1714,873	3

53	61,9	19809	1	1	1	572,6315	1714,873	3
53	61,9	19812	1	1	1	572,6319	1714,874	3
53	61,9	19813	1	1	1	572,632	1714,874	3
53	61,9	19815	1	1	1	572,6324	1714,876	3
53	61,9	79442	1	1	1	858,4452	1714,876	2
53	61,9	79447	1	1	1	858,4465	1714,878	2
53	61,9	79448	1	1	1	858,447	1714,88	2
53	61,9	23127	1	1	1	589,6714	1765,992	3
53	61,9	84237	1	1	1	884,0099	1766,005	2
53	61,9	24536	1	1	1	596,9749	1787,903	3
53	61,9	87238	1	1	1	899,9682	1797,922	2
53	61,9	87239	1	1	1	899,9684	1797,922	2
53	61,9	32458	1	1	1	635,367	1903,079	3
53	61,9	42092	1	1	1	680,6992	2039,076	3
53	61,9	42093	1	1	1	680,7026	2039,086	3
53	61,9	42094	1	1	1	680,703	2039,087	3
53	61,9	43311	1	1	1	686,0328	2055,077	3
53	61,9	43313	1	1	1	686,0341	2055,081	3
53	61,9	43314	1	1	1	686,0342	2055,081	3
53	61,9	56173	1	1	1	745,0232	2232,048	3
53	61,9	56175	1	1	1	745,0234	2232,048	3
53	61,9	56176	1	1	1	745,0236	2232,049	3
53	61,9	56177	1	1	1	745,0238	2232,05	3
53	61,9	56178	1	1	1	745,0249	2232,053	3
53	61,9	56179	1	1	1	745,0252	2232,054	3
53	61,9	57358	1	1	1	750,3529	2248,037	3
53	61,9	58270	1	1	1	755,0158	2262,025	3
53	61,9	63569	1	1	1	779,4049	2335,193	3
53	61,9	63570	1	1	1	779,4059	2335,196	3
53	61,9	63572	1	1	1	779,4065	2335,198	3
53	61,9	130199	1	1	1	1254,559	2507,104	2
53	61,9	75213	1	1	1	836,709	2507,105	3
53	61,9	75214	1	1	1	836,7098	2507,108	3
53	61,9	75215	1	1	1	836,7099	2507,108	3
53	61,9	85121	1	1	1	888,7446	2663,212	3
53	61,9	85122	1	1	1	888,7447	2663,212	3
53	61,9	85123	1	1	1	888,745	2663,213	3
53	61,9	85124	1	1	1	888,7458	2663,215	3
53	61,9	85126	1	1	1	888,7463	2663,217	3
53	61,9	98195	1	1	1	961,1073	2880,3	3
53	61,9	98196	1	1	1	961,1075	2880,301	3
53	61,9	98198	1	1	1	961,1086	2880,304	3
53	61,9	105962	1	1	1	1012,505	3034,493	3
53	61,9	106042	1	1	1	1013,145	3036,414	3
22	80,7	3443	1	1	1	458,7354	915,4562	2
22	80,7	9355	1	1	1	508,2705	1014,526	2
22	80,7	9356	1	1	1	508,2706	1014,527	2
22	80,7	9358	1	1	1	508,271	1014,528	2

22	80,7	9360	1	1	1	508,2715	1014,528	2
22	80,7	13841	1	1	1	536,7877	1071,561	2
22	80,7	14821	1	1	1	544,2342	1086,454	2
22	80,7	16151	1	1	1	552,2334	1102,452	2
22	80,7	17729	1	1	1	560,7981	1119,582	2
22	80,7	17731	1	1	1	560,799	1119,583	2
22	80,7	17734	1	1	1	560,8007	1119,587	2
22	80,7	25304	1	1	1	601,3108	1200,607	2
22	80,7	25305	1	1	1	601,3108	1200,607	2
22	80,7	27257	1	1	1	611,8007	1221,587	2
22	80,7	27983	1	1	1	615,2717	1228,529	2
22	80,7	27984	1	1	1	615,2736	1228,533	2
22	80,7	27985	1	1	1	615,2743	1228,534	2
22	80,7	27986	1	1	1	615,2748	1228,535	2
22	80,7	28432	1	1	1	617,3392	1232,664	2
22	80,7	28433	1	1	1	617,3393	1232,664	2
22	80,7	28437	1	1	1	617,3401	1232,666	2
22	80,7	28438	1	1	1	617,3402	1232,666	2
22	80,7	28439	1	1	1	617,3402	1232,666	2
22	80,7	28440	1	1	1	617,3403	1232,666	2
22	80,7	28441	1	1	1	617,3405	1232,667	2
22	80,7	28442	1	1	1	617,3406	1232,667	2
22	80,7	28443	1	1	1	617,3408	1232,667	2
22	80,7	28448	1	1	1	617,3423	1232,67	2
22	80,7	28450	1	1	1	617,3426	1232,671	2
22	80,7	28451	1	1	1	617,3426	1232,671	2
22	80,7	28453	1	1	1	617,3426	1232,671	2
22	80,7	28454	1	1	1	617,3428	1232,671	2
22	80,7	28455	1	1	1	617,3429	1232,671	2
22	80,7	28458	1	1	1	617,3432	1232,672	2
22	80,7	28459	1	1	1	617,3433	1232,672	2
22	80,7	28463	1	1	1	617,3436	1232,673	2
22	80,7	28465	1	1	1	617,3439	1232,673	2
22	80,7	28466	1	1	1	617,3441	1232,674	2
22	80,7	29723	1	1	1	623,2696	1244,525	2
22	80,7	29724	1	1	1	623,27	1244,525	2
22	80,7	29726	1	1	1	623,2708	1244,527	2
22	80,7	29728	1	1	1	623,2719	1244,529	2
22	80,7	35805	1	1	1	651,7991	1301,584	2
22	80,7	37370	1	1	1	659,7974	1317,58	2
22	80,7	37371	1	1	1	659,7998	1317,585	2
22	80,7	37372	1	1	1	659,7999	1317,585	2
22	80,7	38770	1	1	1	665,8323	1329,65	2
22	80,7	38772	1	1	1	665,8324	1329,65	2
22	80,7	38779	1	1	1	665,8332	1329,652	2
22	80,7	38780	1	1	1	665,8334	1329,652	2
22	80,7	38789	1	1	1	665,8344	1329,654	2
22	80,7	38797	1	1	1	665,8354	1329,656	2

22	80,7	38798	1	1	1	665,8355	1329,656	2
22	80,7	40999	1	1	1	675,8275	1349,641	2
22	80,7	41001	1	1	1	675,828	1349,641	2
22	80,7	41002	1	1	1	675,8282	1349,642	2
22	80,7	41003	1	1	1	675,8288	1349,643	2
22	80,7	41004	1	1	1	675,8289	1349,643	2
22	80,7	41005	1	1	1	675,8293	1349,644	2
22	80,7	41006	1	1	1	675,8295	1349,645	2
22	80,7	41008	1	1	1	675,8297	1349,645	2
22	80,7	41009	1	1	1	675,8297	1349,645	2
22	80,7	41010	1	1	1	675,83	1349,645	2
22	80,7	41011	1	1	1	675,8301	1349,646	2
22	80,7	41013	1	1	1	675,8309	1349,647	2
22	80,7	41015	1	1	1	675,8313	1349,648	2
22	80,7	41017	1	1	1	675,8315	1349,649	2
22	80,7	41018	1	1	1	675,8316	1349,649	2
22	80,7	41019	1	1	1	675,8317	1349,649	2
22	80,7	41020	1	1	1	675,8319	1349,649	2
22	80,7	41021	1	1	1	675,8321	1349,65	2
22	80,7	42713	1	1	1	683,8219	1365,629	2
22	80,7	42714	1	1	1	683,8236	1365,633	2
22	80,7	42716	1	1	1	683,8237	1365,633	2
22	80,7	42717	1	1	1	683,824	1365,633	2
22	80,7	42719	1	1	1	683,8242	1365,634	2
22	80,7	42720	1	1	1	683,8244	1365,634	2
22	80,7	42721	1	1	1	683,8246	1365,635	2
22	80,7	42722	1	1	1	683,8247	1365,635	2
22	80,7	42723	1	1	1	683,8248	1365,635	2
22	80,7	42725	1	1	1	683,825	1365,635	2
22	80,7	42726	1	1	1	683,825	1365,636	2
22	80,7	42727	1	1	1	683,8252	1365,636	2
22	80,7	42728	1	1	1	683,8252	1365,636	2
22	80,7	42731	1	1	1	683,8255	1365,636	2
22	80,7	42732	1	1	1	683,8255	1365,637	2
22	80,7	42733	1	1	1	683,8256	1365,637	2
22	80,7	42734	1	1	1	683,8257	1365,637	2
22	80,7	42735	1	1	1	683,8258	1365,637	2
22	80,7	42738	1	1	1	683,8259	1365,637	2
22	80,7	42739	1	1	1	683,826	1365,638	2
22	80,7	42741	1	1	1	683,826	1365,638	2
22	80,7	42743	1	1	1	683,8261	1365,638	2
22	80,7	42744	1	1	1	683,8262	1365,638	2
22	80,7	42745	1	1	1	683,8263	1365,638	2
22	80,7	42746	1	1	1	683,8265	1365,638	2
22	80,7	42751	1	1	1	683,8266	1365,639	2
22	80,7	42752	1	1	1	683,8266	1365,639	2
22	80,7	42753	1	1	1	683,8266	1365,639	2
22	80,7	42755	1	1	1	683,8266	1365,639	2

22	80,7	42756	1	1	1	683,8266	1365,639	2
22	80,7	42758	1	1	1	683,8266	1365,639	2
22	80,7	42759	1	1	1	683,8266	1365,639	2
22	80,7	42760	1	1	1	683,8267	1365,639	2
22	80,7	42761	1	1	1	683,8267	1365,639	2
22	80,7	42763	1	1	1	683,8267	1365,639	2
22	80,7	42764	1	1	1	683,8268	1365,639	2
22	80,7	42765	1	1	1	683,8268	1365,639	2
22	80,7	42766	1	1	1	683,8268	1365,639	2
22	80,7	42768	1	1	1	683,8268	1365,639	2
22	80,7	42769	1	1	1	683,8268	1365,639	2
22	80,7	42773	1	1	1	683,8269	1365,639	2
22	80,7	42774	1	1	1	683,8269	1365,639	2
22	80,7	42775	1	1	1	683,827	1365,64	2
22	80,7	42776	1	1	1	683,827	1365,64	2
22	80,7	42777	1	1	1	683,8271	1365,64	2
22	80,7	42781	1	1	1	683,8272	1365,64	2
22	80,7	42783	1	1	1	683,8273	1365,64	2
22	80,7	42784	1	1	1	683,8274	1365,64	2
22	80,7	42787	1	1	1	683,8275	1365,641	2
22	80,7	42788	1	1	1	683,8278	1365,641	2
22	80,7	42790	1	1	1	683,8279	1365,641	2
22	80,7	42791	1	1	1	683,828	1365,641	2
22	80,7	42792	1	1	1	683,8281	1365,642	2
22	80,7	42793	1	1	1	683,8281	1365,642	2
22	80,7	42795	1	1	1	683,8287	1365,643	2
22	80,7	42796	1	1	1	683,8287	1365,643	2
22	80,7	42797	1	1	1	683,8288	1365,643	2
22	80,7	42799	1	1	1	683,8289	1365,643	2
22	80,7	42800	1	1	1	683,829	1365,644	2
22	80,7	42801	1	1	1	683,8291	1365,644	2
22	80,7	42802	1	1	1	683,8291	1365,644	2
22	80,7	42803	1	1	1	683,8291	1365,644	2
22	80,7	42804	1	1	1	683,8291	1365,644	2
22	80,7	42805	1	1	1	683,8291	1365,644	2
22	80,7	42808	1	1	1	683,83	1365,646	2
22	80,7	43564	1	1	1	687,3197	1372,625	2
22	80,7	45116	1	1	1	695,3188	1388,623	2
22	80,7	45321	1	1	1	696,3264	1390,638	2
22	80,7	47612	1	1	1	706,385	1410,755	2
22	80,7	51079	1	1	1	722,8358	1443,657	2
22	80,7	51081	1	1	1	722,8373	1443,66	2
22	80,7	52768	1	1	1	729,8619	1457,709	2
22	80,7	52770	1	1	1	729,862	1457,709	2
22	80,7	52771	1	1	1	729,8621	1457,71	2
22	80,7	52775	1	1	1	729,8624	1457,71	2
22	80,7	52778	1	1	1	729,8631	1457,712	2
22	80,7	52779	1	1	1	729,8634	1457,712	2

22	80,7	52785	1	1	1	729,8642	1457,714	2
22	80,7	52786	1	1	1	729,8644	1457,714	2
22	80,7	52789	1	1	1	729,8646	1457,715	2
22	80,7	52793	1	1	1	729,8648	1457,715	2
22	80,7	52795	1	1	1	729,865	1457,716	2
22	80,7	52797	1	1	1	729,8653	1457,716	2
22	80,7	53056	1	1	1	730,832	1459,65	2
22	80,7	53057	1	1	1	730,8325	1459,65	2
22	80,7	53058	1	1	1	730,8334	1459,652	2
22	80,7	53060	1	1	1	730,8344	1459,654	2
22	80,7	53061	1	1	1	730,8344	1459,654	2
22	80,7	53062	1	1	1	730,8348	1459,655	2
22	80,7	53063	1	1	1	730,8355	1459,656	2
22	80,7	53064	1	1	1	730,8364	1459,658	2
22	80,7	53065	1	1	1	730,8365	1459,659	2
22	80,7	53066	1	1	1	730,8366	1459,659	2
22	80,7	54698	1	1	1	737,86	1473,705	2
22	80,7	54705	1	1	1	737,8606	1473,707	2
22	80,7	54710	1	1	1	737,861	1473,708	2
22	80,7	54720	1	1	1	737,8616	1473,709	2
22	80,7	64968	1	1	1	786,4048	1570,795	2
22	80,7	64976	1	1	1	786,4059	1570,797	2
22	80,7	64977	1	1	1	786,4062	1570,798	2
22	80,7	64988	1	1	1	786,4074	1570,8	2
22	80,7	64996	1	1	1	786,4089	1570,803	2
22	80,7	64999	1	1	1	786,4099	1570,805	2
22	80,7	65000	1	1	1	786,4099	1570,805	2
22	80,7	70284	1	1	1	811,8893	1621,764	2
22	80,7	74960	1	1	1	835,933	1669,851	2
22	80,7	74969	1	1	1	835,9392	1669,864	2
22	80,7	74973	1	1	1	835,9407	1669,867	2
22	80,7	74978	1	1	1	835,9413	1669,868	2
22	80,7	74982	1	1	1	835,9419	1669,869	2
22	80,7	74983	1	1	1	835,9419	1669,869	2
22	80,7	74986	1	1	1	835,9421	1669,87	2
22	80,7	74987	1	1	1	835,9423	1669,87	2
22	80,7	74988	1	1	1	835,9423	1669,87	2
22	80,7	74990	1	1	1	835,9424	1669,87	2
22	80,7	74991	1	1	1	835,9424	1669,87	2
22	80,7	74995	1	1	1	835,9426	1669,871	2
22	80,7	74996	1	1	1	835,9427	1669,871	2
22	80,7	74999	1	1	1	835,943	1669,871	2
22	80,7	75003	1	1	1	835,9433	1669,872	2
22	80,7	75004	1	1	1	835,9433	1669,872	2
22	80,7	75008	1	1	1	835,944	1669,874	2
22	80,7	75009	1	1	1	835,9443	1669,874	2
22	80,7	75011	1	1	1	835,9444	1669,874	2
22	80,7	75016	1	1	1	835,9457	1669,877	2



22	80,7	75017	1	1	1	835,9459	1669,877	2
22	80,7	75019	1	1	1	835,9469	1669,879	2
22	80,7	76569	1	1	1	843,9346	1685,855	2
22	80,7	76571	1	1	1	843,9347	1685,855	2
22	80,7	76575	1	1	1	843,9354	1685,856	2
22	80,7	76577	1	1	1	843,9355	1685,857	2
22	80,7	76580	1	1	1	843,936	1685,858	2
22	80,7	76592	1	1	1	843,9376	1685,861	2
22	80,7	76613	1	1	1	843,9385	1685,862	2
22	80,7	76620	1	1	1	843,9389	1685,863	2
22	80,7	76630	1	1	1	843,9396	1685,865	2
22	80,7	76631	1	1	1	843,9397	1685,865	2
22	80,7	109709	1	1	1	1037,508	2073,001	2
22	80,7	99855	1	1	1	971,8178	2912,432	3
22	80,7	133863	1	1	1	1457,23	2912,445	2
22	80,7	133864	1	1	1	1457,234	2912,454	2
38	69,2	2169	1	1	1	438,7418	875,4689	2
38	69,2	4012	1	1	1	464,7177	927,4208	2
38	69,2	4013	1	1	1	464,7179	927,4212	2
38	69,2	8109	1	1	1	500,2438	998,4731	2
38	69,2	9306	1	1	1	508,2311	1014,448	2
38	69,2	9307	1	1	1	508,2322	1014,45	2
38	69,2	9309	1	1	1	508,234	1014,453	2
38	69,2	9310	1	1	1	508,2342	1014,454	2
38	69,2	9312	1	1	1	508,2345	1014,455	2
38	69,2	10436	1	1	1	515,7254	1029,436	2
38	69,2	10438	1	1	1	515,7262	1029,438	2
38	69,2	10439	1	1	1	515,7262	1029,438	2
38	69,2	11936	1	1	1	524,2919	1046,569	2
38	69,2	16821	1	1	1	556,3093	1110,604	2
38	69,2	17416	1	1	1	559,3306	1116,647	2
38	69,2	17417	1	1	1	559,3307	1116,647	2
38	69,2	17418	1	1	1	559,3307	1116,647	2
38	69,2	17419	1	1	1	559,3324	1116,65	2
38	69,2	18434	1	1	1	564,7736	1127,533	2
38	69,2	18435	1	1	1	564,7744	1127,534	2
38	69,2	18436	1	1	1	564,7755	1127,536	2
38	69,2	18773	1	1	1	566,2497	1130,485	2
38	69,2	18774	1	1	1	566,2506	1130,487	2
38	69,2	25091	1	1	1	600,2942	1198,574	2
38	69,2	25092	1	1	1	600,2946	1198,575	2
38	69,2	25094	1	1	1	600,2953	1198,576	2
38	69,2	25096	1	1	1	600,2955	1198,576	2
38	69,2	25097	1	1	1	600,2955	1198,577	2
38	69,2	25098	1	1	1	600,2957	1198,577	2
38	69,2	25099	1	1	1	600,2968	1198,579	2
38	69,2	25100	1	1	1	600,297	1198,579	2
38	69,2	25103	1	1	1	600,2993	1198,584	2

38	69,2	25552	1	1	1	602,3359	1202,657	2
38	69,2	25555	1	1	1	602,3368	1202,659	2
38	69,2	25559	1	1	1	602,3374	1202,66	2
38	69,2	25560	1	1	1	602,3374	1202,66	2
38	69,2	25562	1	1	1	602,3376	1202,661	2
38	69,2	26454	1	1	1	607,3104	1212,606	2
38	69,2	26461	1	1	1	607,3124	1212,61	2
38	69,2	30243	1	1	1	624,8393	1247,664	2
38	69,2	36726	1	1	1	656,8368	1311,659	2
38	69,2	36751	1	1	1	656,8383	1311,662	2
38	69,2	46626	1	1	1	702,8505	1403,686	2
38	69,2	46629	1	1	1	702,851	1403,687	2
38	69,2	46631	1	1	1	702,8518	1403,689	2
38	69,2	46633	1	1	1	702,8537	1403,693	2
38	69,2	46634	1	1	1	702,8538	1403,693	2
38	69,2	46635	1	1	1	702,854	1403,693	2
38	69,2	46637	1	1	1	702,8544	1403,694	2
38	69,2	46638	1	1	1	702,8545	1403,694	2
38	69,2	46641	1	1	1	702,8559	1403,697	2
38	69,2	47578	1	1	1	706,3703	1410,726	2
38	69,2	47580	1	1	1	706,3709	1410,727	2
38	69,2	47582	1	1	1	706,3715	1410,728	2
38	69,2	47586	1	1	1	706,3717	1410,729	2
38	69,2	47587	1	1	1	706,3718	1410,729	2
38	69,2	47588	1	1	1	706,3718	1410,729	2
38	69,2	47590	1	1	1	706,3721	1410,73	2
38	69,2	47591	1	1	1	706,3721	1410,73	2
38	69,2	47592	1	1	1	706,3722	1410,73	2
38	69,2	47593	1	1	1	706,3723	1410,73	2
38	69,2	47594	1	1	1	706,3725	1410,731	2
38	69,2	47600	1	1	1	706,3732	1410,732	2
38	69,2	47601	1	1	1	706,3734	1410,732	2
38	69,2	47602	1	1	1	706,3738	1410,733	2
38	69,2	47603	1	1	1	706,3741	1410,734	2
38	69,2	52306	1	1	1	727,9207	1453,827	2
38	69,2	62707	1	1	1	775,4148	1548,815	2
38	69,2	62708	1	1	1	775,4148	1548,815	2
38	69,2	62713	1	1	1	775,4158	1548,817	2
38	69,2	79170	1	1	1	856,9478	1711,881	2
38	69,2	79171	1	1	1	856,9481	1711,882	2
38	69,2	79172	1	1	1	856,9481	1711,882	2
38	69,2	80706	1	1	1	865,3958	1728,777	2
38	69,2	80708	1	1	1	865,3977	1728,781	2
38	69,2	89888	1	1	1	913,4923	1824,97	2
38	69,2	89895	1	1	1	913,5119	1825,009	2
38	69,2	91775	1	1	1	922,9107	1843,807	2
38	69,2	99734	1	1	1	971,0033	1939,992	2
38	69,2	100038	1	1	1	973,4352	1944,856	2

38	69,2	100040	1	1	1	973,437	1944,86	2
38	69,2	37746	1	1	1	661,37	1981,088	3
38	69,2	37747	1	1	1	661,37	1981,088	3
38	69,2	37750	1	1	1	661,3703	1981,089	3
38	69,2	37751	1	1	1	661,3703	1981,089	3
38	69,2	37754	1	1	1	661,3708	1981,091	3
38	69,2	37756	1	1	1	661,3717	1981,093	3
38	69,2	106299	1	1	1	1014,521	2027,026	2
38	69,2	46208	1	1	1	701,0229	2100,047	3
38	69,2	46209	1	1	1	701,0234	2100,048	3
38	69,2	112201	1	1	1	1054,014	2106,014	2
38	69,2	48212	1	1	1	709,6999	2126,078	3
38	69,2	48213	1	1	1	709,7001	2126,079	3
38	69,2	113583	1	1	1	1064,052	2126,09	2
38	69,2	113585	1	1	1	1064,053	2126,092	2
38	69,2	113586	1	1	1	1064,057	2126,099	2
38	69,2	49285	1	1	1	715,0322	2142,075	3
38	69,2	49286	1	1	1	715,0335	2142,079	3
38	69,2	49287	1	1	1	715,0335	2142,079	3
38	69,2	49288	1	1	1	715,0337	2142,079	3
38	69,2	117614	1	1	1	1094,007	2185,999	2
38	69,2	57812	1	1	1	752,3967	2254,168	3
38	69,2	57814	1	1	1	752,3973	2254,17	3
38	69,2	57815	1	1	1	752,3985	2254,174	3
38	69,2	57816	1	1	1	752,3987	2254,174	3
38	69,2	57817	1	1	1	752,3987	2254,174	3
38	69,2	57819	1	1	1	752,3997	2254,177	3
38	69,2	57820	1	1	1	752,3997	2254,177	3
38	69,2	57821	1	1	1	752,3999	2254,178	3
38	69,2	57823	1	1	1	752,4	2254,178	3
38	69,2	57824	1	1	1	752,4002	2254,179	3
38	69,2	57826	1	1	1	752,4003	2254,179	3
38	69,2	57827	1	1	1	752,4003	2254,179	3
38	69,2	57831	1	1	1	752,4009	2254,181	3
38	69,2	121173	1	1	1	1128,098	2254,182	2
38	69,2	121175	1	1	1	1128,1	2254,186	2
38	69,2	121177	1	1	1	1128,101	2254,188	2
38	69,2	58926	1	1	1	757,728	2270,162	3
38	69,2	58931	1	1	1	757,7298	2270,168	3
38	69,2	58932	1	1	1	757,73	2270,168	3
38	69,2	58935	1	1	1	757,7306	2270,17	3
38	69,2	58937	1	1	1	757,731	2270,171	3
38	69,2	58938	1	1	1	757,7311	2270,171	3
38	69,2	58939	1	1	1	757,7311	2270,172	3
38	69,2	58942	1	1	1	757,7314	2270,172	3
38	69,2	58943	1	1	1	757,7315	2270,173	3
38	69,2	58946	1	1	1	757,7318	2270,174	3
38	69,2	58947	1	1	1	757,7319	2270,174	3

38	69,2	58949	1	1	1	757,732	2270,174	3
38	69,2	130002	1	1	1	1251,573	2501,132	2
38	69,2	130005	1	1	1	1251,574	2501,134	2
38	69,2	130011	1	1	1	1251,575	2501,136	2
38	69,2	82060	1	1	1	872,4159	2614,226	3
38	69,2	133049	1	1	1	1357,646	2713,277	2
38	69,2	88278	1	1	1	905,4335	2713,279	3
38	69,2	88281	1	1	1	905,4338	2713,28	3
38	69,2	88283	1	1	1	905,4341	2713,28	3
38	69,2	133055	1	1	1	1357,648	2713,282	2
38	69,2	133056	1	1	1	1357,649	2713,283	2
38	69,2	88286	1	1	1	905,4351	2713,283	3
38	69,2	88287	1	1	1	905,4358	2713,286	3
38	69,2	88289	1	1	1	905,4367	2713,288	3
38	69,2	88292	1	1	1	905,4368	2713,289	3
38	69,2	88295	1	1	1	905,4376	2713,291	3
38	69,2	88296	1	1	1	905,4378	2713,291	3
38	69,2	88299	1	1	1	905,4384	2713,293	3
38	69,2	88300	1	1	1	905,4386	2713,294	3
38	69,2	88301	1	1	1	905,4388	2713,295	3
38	69,2	88302	1	1	1	905,4388	2713,295	3
38	69,2	88303	1	1	1	905,4394	2713,297	3
38	69,2	88306	1	1	1	905,4414	2713,303	3
38	69,2	97356	1	1	1	956,1207	2865,34	3
38	69,2	127089	1	1	1	1201,257	3600,749	3
38	69,2	127091	1	1	1	1201,258	3600,753	3
38	53,5	4191	1	1	1	466,7281	931,4416	2
38	53,5	4192	1	1	1	466,7283	931,442	2
38	53,5	4193	1	1	1	466,7292	931,4439	2
38	53,5	22979	1	1	1	589,2912	1176,568	2
38	53,5	22983	1	1	1	589,2918	1176,569	2
38	53,5	25758	1	1	1	603,7874	1205,56	2
38	53,5	28753	1	1	1	618,8067	1235,599	2
38	53,5	28754	1	1	1	618,8068	1235,599	2
38	53,5	28755	1	1	1	618,8071	1235,6	2
38	53,5	30188	1	1	1	624,3578	1246,701	2
38	53,5	30189	1	1	1	624,3585	1246,702	2
38	53,5	30191	1	1	1	624,3586	1246,703	2
38	53,5	31448	1	1	1	630,8218	1259,629	2
38	53,5	31450	1	1	1	630,8235	1259,632	2
38	53,5	31803	1	1	1	632,3546	1262,695	2
38	53,5	38027	1	1	1	662,8267	1323,639	2
38	53,5	39307	1	1	1	667,8733	1333,732	2
38	53,5	39308	1	1	1	667,8756	1333,737	2
38	53,5	39309	1	1	1	667,8763	1333,738	2
38	53,5	39310	1	1	1	667,8764	1333,738	2
38	53,5	41040	1	1	1	675,8713	1349,728	2
38	53,5	41041	1	1	1	675,8714	1349,728	2

38	53,5	44304	1	1	1	690,8449	1379,675	2
38	53,5	49920	1	1	1	717,411	1432,807	2
38	53,5	51375	1	1	1	723,8692	1445,724	2
38	53,5	51376	1	1	1	723,8694	1445,724	2
38	53,5	51378	1	1	1	723,8716	1445,729	2
38	53,5	51380	1	1	1	723,8721	1445,73	2
38	53,5	51381	1	1	1	723,8723	1445,73	2
38	53,5	51382	1	1	1	723,8725	1445,73	2
38	53,5	51383	1	1	1	723,8726	1445,731	2
38	53,5	51384	1	1	1	723,8733	1445,732	2
38	53,5	51385	1	1	1	723,8745	1445,734	2
38	53,5	51386	1	1	1	723,8746	1445,735	2
38	53,5	51387	1	1	1	723,8758	1445,737	2
38	53,5	51388	1	1	1	723,8759	1445,737	2
38	53,5	51762	1	1	1	725,4111	1448,808	2
38	53,5	52382	1	1	1	728,3488	1454,683	2
38	53,5	67505	1	1	1	798,897	1595,78	2
38	53,5	67508	1	1	1	798,8986	1595,783	2
38	53,5	67509	1	1	1	798,9003	1595,786	2
38	53,5	68397	1	1	1	802,4639	1602,913	2
38	53,5	68398	1	1	1	802,4649	1602,915	2
38	53,5	68399	1	1	1	802,4655	1602,917	2
38	53,5	68400	1	1	1	802,4659	1602,917	2
38	53,5	69243	1	1	1	806,8924	1611,77	2
38	53,5	69610	1	1	1	808,409	1614,803	2
38	53,5	70015	1	1	1	810,4655	1618,917	2
38	53,5	70016	1	1	1	810,4676	1618,921	2
38	53,5	70032	1	1	1	810,8627	1619,711	2
38	53,5	70036	1	1	1	810,8654	1619,716	2
38	53,5	70038	1	1	1	810,8659	1619,717	2
38	53,5	70039	1	1	1	810,8664	1619,718	2
38	53,5	70040	1	1	1	810,8665	1619,718	2
38	53,5	70041	1	1	1	810,8667	1619,719	2
38	53,5	70042	1	1	1	810,8668	1619,719	2
38	53,5	70043	1	1	1	810,8669	1619,719	2
38	53,5	70044	1	1	1	810,867	1619,72	2
38	53,5	70045	1	1	1	810,867	1619,72	2
38	53,5	70046	1	1	1	810,8678	1619,721	2
38	53,5	70047	1	1	1	810,8703	1619,726	2
38	53,5	71630	1	1	1	819,395	1636,775	2
38	53,5	71634	1	1	1	819,3966	1636,779	2
38	53,5	76447	1	1	1	842,9426	1683,871	2
38	53,5	77676	1	1	1	849,4115	1696,808	2
38	53,5	77677	1	1	1	849,4116	1696,809	2
38	53,5	77682	1	1	1	849,4138	1696,813	2
38	53,5	77683	1	1	1	849,4138	1696,813	2
38	53,5	77685	1	1	1	849,4157	1696,817	2
38	53,5	78727	1	1	1	854,9153	1707,816	2

38	53,5	78728	1	1	1	854,9154	1707,816	2
38	53,5	79218	1	1	1	857,4092	1712,804	2
38	53,5	80298	1	1	1	863,4205	1724,826	2
38	53,5	80301	1	1	1	863,421	1724,827	2
38	53,5	80302	1	1	1	863,4219	1724,829	2
38	53,5	82077	1	1	1	872,4416	1742,869	2
38	53,5	82653	1	1	1	875,4369	1748,859	2
38	53,5	82662	1	1	1	875,4413	1748,868	2
38	53,5	82665	1	1	1	875,4417	1748,869	2
38	53,5	82666	1	1	1	875,4419	1748,869	2
38	53,5	82668	1	1	1	875,4425	1748,87	2
38	53,5	82674	1	1	1	875,4443	1748,874	2
38	53,5	82677	1	1	1	875,4446	1748,875	2
38	53,5	82678	1	1	1	875,4447	1748,875	2
38	53,5	82680	1	1	1	875,4449	1748,875	2
38	53,5	82683	1	1	1	875,4452	1748,876	2
38	53,5	82685	1	1	1	875,4453	1748,876	2
38	53,5	82686	1	1	1	875,4486	1748,883	2
38	53,5	25685	1	1	1	603,2986	1806,874	3
38	53,5	25688	1	1	1	603,2992	1806,876	3
38	53,5	25691	1	1	1	603,3001	1806,878	3
38	53,5	88139	1	1	1	904,449	1806,883	2
38	53,5	88143	1	1	1	904,4504	1806,886	2
38	53,5	88145	1	1	1	904,4505	1806,886	2
38	53,5	88149	1	1	1	904,451	1806,888	2
38	53,5	88151	1	1	1	904,4517	1806,889	2
38	53,5	88154	1	1	1	904,4531	1806,892	2
38	53,5	88155	1	1	1	904,4546	1806,895	2
38	53,5	26841	1	1	1	609,3045	1824,892	3
38	53,5	27680	1	1	1	613,6398	1837,898	3
38	53,5	91102	1	1	1	919,9592	1837,904	2
38	53,5	91103	1	1	1	919,9592	1837,904	2
38	53,5	91107	1	1	1	919,9607	1837,907	2
38	53,5	91109	1	1	1	919,9613	1837,908	2
38	53,5	91110	1	1	1	919,9614	1837,908	2
38	53,5	91111	1	1	1	919,9614	1837,908	2
38	53,5	91118	1	1	1	919,9637	1837,913	2
38	53,5	92600	1	1	1	927,9535	1853,892	2
38	53,5	92603	1	1	1	927,9556	1853,897	2
38	53,5	96972	1	1	1	953,9712	1905,928	2
38	53,5	96973	1	1	1	953,9719	1905,929	2
38	53,5	103603	1	1	1	996,0353	1990,056	2
38	53,5	105808	1	1	1	1011,485	2020,956	2
38	53,5	47689	1	1	1	707,0518	2118,134	3
38	53,5	49926	1	1	1	717,7019	2150,084	3
38	53,5	49927	1	1	1	717,7025	2150,086	3
38	53,5	115293	1	1	1	1076,053	2150,092	2
38	53,5	49929	1	1	1	717,7052	2150,094	3

38	53,5	49930	1	1	1	717,7061	2150,096	3
38	53,5	49931	1	1	1	717,7062	2150,097	3
38	53,5	49932	1	1	1	717,7062	2150,097	3
38	53,5	49934	1	1	1	717,7066	2150,098	3
38	53,5	49935	1	1	1	717,7066	2150,098	3
38	53,5	53046	1	1	1	730,6892	2189,046	3
38	53,5	55454	1	1	1	741,681	2222,021	3
38	53,5	119559	1	1	1	1112,022	2222,03	2
38	53,5	119561	1	1	1	1112,025	2222,035	2
38	53,5	56626	1	1	1	747,0114	2238,013	3
38	53,5	56627	1	1	1	747,013	2238,017	3
38	53,5	56628	1	1	1	747,0137	2238,019	3
38	53,5	120528	1	1	1	1121,593	2241,172	2
38	53,5	56888	1	1	1	748,0653	2241,174	3
38	53,5	123441	1	1	1	1153,088	2304,162	2
38	53,5	91278	1	1	1	920,4918	2758,454	3
38	53,5	108897	1	1	1	1030,542	3088,605	3
38	53,5	123025	1	1	1	1147,547	3439,618	3
54	63,6	3896	1	1	1	464,2419	926,4693	2
54	63,6	3900	1	1	1	464,2422	926,4699	2
54	63,6	3903	1	1	1	464,2424	926,4702	2
54	63,6	3906	1	1	1	464,2425	926,4704	2
54	63,6	3907	1	1	1	464,2425	926,4704	2
54	63,6	3908	1	1	1	464,2425	926,4705	2
54	63,6	3914	1	1	1	464,2433	926,4721	2
54	63,6	5644	1	1	1	480,7555	959,4964	2
54	63,6	11316	1	1	1	520,785	1039,556	2
54	63,6	13920	1	1	1	537,2967	1072,579	2
54	63,6	13924	1	1	1	537,2983	1072,582	2
54	63,6	14835	1	1	1	544,2633	1086,512	2
54	63,6	15576	1	1	1	548,8408	1095,667	2
54	63,6	15578	1	1	1	548,8421	1095,67	2
54	63,6	15579	1	1	1	548,8434	1095,672	2
54	63,6	15927	1	1	1	550,8257	1099,637	2
54	63,6	15928	1	1	1	550,8259	1099,637	2
54	63,6	16826	1	1	1	556,3178	1110,621	2
54	63,6	16828	1	1	1	556,3196	1110,625	2
54	63,6	18394	1	1	1	564,3483	1126,682	2
54	63,6	18395	1	1	1	564,3501	1126,686	2
54	63,6	20628	1	1	1	576,8471	1151,68	2
54	63,6	20629	1	1	1	576,8481	1151,682	2
54	63,6	20630	1	1	1	576,8483	1151,682	2
54	63,6	20631	1	1	1	576,8483	1151,682	2
54	63,6	20633	1	1	1	576,8494	1151,684	2
54	63,6	21399	1	1	1	580,31	1158,606	2
54	63,6	21400	1	1	1	580,3107	1158,607	2
54	63,6	24136	1	1	1	594,3205	1186,626	2
54	63,6	24137	1	1	1	594,3208	1186,627	2

54	63,6	25043	1	1	1	599,8704	1197,726	2
54	63,6	26133	1	1	1	605,8515	1209,689	2
54	63,6	26134	1	1	1	605,8518	1209,689	2
54	63,6	28510	1	1	1	617,8152	1233,616	2
54	63,6	30701	1	1	1	626,8479	1251,681	2
54	63,6	30702	1	1	1	626,8488	1251,683	2
54	63,6	30703	1	1	1	626,8492	1251,684	2
54	63,6	31235	1	1	1	629,8394	1257,664	2
54	63,6	31236	1	1	1	629,841	1257,667	2
54	63,6	31237	1	1	1	629,8412	1257,668	2
54	63,6	32466	1	1	1	635,3864	1268,758	2
54	63,6	32467	1	1	1	635,3885	1268,762	2
54	63,6	32468	1	1	1	635,3889	1268,763	2
54	63,6	35885	1	1	1	652,304	1302,594	2
54	63,6	35886	1	1	1	652,3055	1302,596	2
54	63,6	35887	1	1	1	652,3061	1302,598	2
54	63,6	39649	1	1	1	669,7823	1337,55	2
54	63,6	42044	1	1	1	680,3678	1358,721	2
54	63,6	42047	1	1	1	680,3682	1358,722	2
54	63,6	42051	1	1	1	680,3704	1358,726	2
54	63,6	42053	1	1	1	680,3709	1358,727	2
54	63,6	43410	1	1	1	686,3825	1370,75	2
54	63,6	45248	1	1	1	695,8614	1389,708	2
54	63,6	45451	1	1	1	696,9361	1391,858	2
54	63,6	45452	1	1	1	696,9362	1391,858	2
54	63,6	46437	1	1	1	701,905	1401,795	2
54	63,6	49511	1	1	1	715,8722	1429,73	2
54	63,6	49512	1	1	1	715,873	1429,732	2
54	63,6	49514	1	1	1	715,8749	1429,735	2
54	63,6	49516	1	1	1	715,8752	1429,736	2
54	63,6	49517	1	1	1	715,8755	1429,736	2
54	63,6	49521	1	1	1	715,8797	1429,745	2
54	63,6	51034	1	1	1	722,3929	1442,771	2
54	63,6	53022	1	1	1	730,4017	1458,789	2
54	63,6	57651	1	1	1	751,4422	1500,87	2
54	63,6	57834	1	1	1	752,4039	1502,793	2
54	63,6	59743	1	1	1	761,3263	1520,638	2
54	63,6	59744	1	1	1	761,3276	1520,641	2
54	63,6	59745	1	1	1	761,3282	1520,642	2
54	63,6	59746	1	1	1	761,3289	1520,643	2
54	63,6	59747	1	1	1	761,3292	1520,644	2
54	63,6	59748	1	1	1	761,3296	1520,645	2
54	63,6	59749	1	1	1	761,3299	1520,645	2
54	63,6	59750	1	1	1	761,3302	1520,646	2
54	63,6	59751	1	1	1	761,3305	1520,646	2
54	63,6	59754	1	1	1	761,3309	1520,647	2
54	63,6	10097	1	1	1	513,6539	1537,94	3
54	63,6	65140	1	1	1	786,9043	1571,794	2



54	63,6	65746	1	1	1	790,463	1578,912	2
54	63,6	66481	1	1	1	793,9238	1585,833	2
54	63,6	66482	1	1	1	793,9242	1585,834	2
54	63,6	66483	1	1	1	793,9249	1585,835	2
54	63,6	71586	1	1	1	818,9683	1635,922	2
54	63,6	71587	1	1	1	818,9706	1635,927	2
54	63,6	71588	1	1	1	818,9715	1635,929	2
54	63,6	74258	1	1	1	832,3924	1662,77	2
54	63,6	17435	1	1	1	559,6539	1675,94	3
54	63,6	17440	1	1	1	559,6553	1675,944	3
54	63,6	75641	1	1	1	838,9886	1675,963	2
54	63,6	75642	1	1	1	838,9894	1675,964	2
54	63,6	81177	1	1	1	867,9139	1733,813	2
54	63,6	22857	1	1	1	588,3475	1762,021	3
54	63,6	83900	1	1	1	882,0307	1762,047	2
54	63,6	83901	1	1	1	882,0309	1762,047	2
54	63,6	24416	1	1	1	596,3004	1785,879	3
54	63,6	86000	1	1	1	893,9533	1785,892	2
54	63,6	86001	1	1	1	893,9536	1785,893	2
54	63,6	86002	1	1	1	893,954	1785,894	2
54	63,6	86003	1	1	1	893,9548	1785,895	2
54	63,6	25335	1	1	1	601,3272	1800,96	3
54	63,6	25375	1	1	1	601,6356	1801,885	3
54	63,6	87599	1	1	1	901,9502	1801,886	2
54	63,6	25590	1	1	1	602,6185	1804,834	3
54	63,6	87881	1	1	1	903,429	1804,844	2
54	63,6	87885	1	1	1	903,4294	1804,844	2
54	63,6	87891	1	1	1	903,432	1804,849	2
54	63,6	87897	1	1	1	903,4353	1804,856	2
54	63,6	94604	1	1	1	939,446	1876,878	2
54	63,6	94611	1	1	1	939,4477	1876,881	2
54	63,6	94614	1	1	1	939,4486	1876,883	2
54	63,6	94615	1	1	1	939,4494	1876,884	2
54	63,6	94618	1	1	1	939,4505	1876,887	2
54	63,6	94619	1	1	1	939,4529	1876,891	2
54	63,6	31479	1	1	1	631,0356	1890,085	3
54	63,6	95764	1	1	1	946,0516	1890,089	2
54	63,6	103520	1	1	1	995,4839	1988,953	2
54	63,6	38390	1	1	1	663,9938	1988,96	3
54	63,6	38391	1	1	1	663,9939	1988,96	3
54	63,6	38395	1	1	1	663,9945	1988,962	3
54	63,6	103523	1	1	1	995,4886	1988,963	2
54	63,6	38396	1	1	1	663,9948	1988,963	3
54	63,6	38397	1	1	1	663,9949	1988,963	3
54	63,6	103524	1	1	1	995,4892	1988,964	2
54	63,6	103526	1	1	1	995,4899	1988,965	2
54	63,6	38402	1	1	1	663,9964	1988,967	3
54	63,6	103528	1	1	1	995,4916	1988,969	2

54	63,6	103529	1	1	1	995,4918	1988,969	2
54	63,6	39425	1	1	1	668,7312	2003,172	3
54	63,6	49616	1	1	1	716,3601	2146,059	3
54	63,6	49621	1	1	1	716,3607	2146,06	3
54	63,6	49622	1	1	1	716,3608	2146,061	3
54	63,6	49937	1	1	1	717,7574	2150,25	3
54	63,6	115298	1	1	1	1076,134	2150,253	2
54	63,6	70754	1	1	1	814,4143	2440,221	3
54	63,6	128294	1	1	1	1221,121	2440,228	2
54	63,6	70759	1	1	1	814,417	2440,229	3
54	63,6	128295	1	1	1	1221,122	2440,23	2
54	63,6	70760	1	1	1	814,4175	2440,231	3
54	63,6	70761	1	1	1	814,4176	2440,231	3
54	63,6	128296	1	1	1	1221,124	2440,233	2
54	63,6	72836	1	1	1	824,7491	2471,225	3
54	63,6	76063	1	1	1	841,1522	2520,435	3
54	63,6	90909	1	1	1	919,1172	2754,33	3
54	63,6	90910	1	1	1	919,1201	2754,339	3
37	42,4	629	1	1	1	399,7036	797,3927	2
37	42,4	630	1	1	1	399,7041	797,3935	2
37	42,4	631	1	1	1	399,7041	797,3937	2
37	42,4	632	1	1	1	399,7054	797,3962	2
37	42,4	633	1	1	1	399,7062	797,3978	2
37	42,4	3228	1	1	1	456,2471	910,4796	2
37	42,4	14742	1	1	1	543,2885	1084,562	2
37	42,4	14744	1	1	1	543,2888	1084,563	2
37	42,4	14746	1	1	1	543,2891	1084,564	2
37	42,4	23852	1	1	1	592,8239	1183,633	2
37	42,4	26236	1	1	1	606,3047	1210,595	2
37	42,4	37104	1	1	1	658,3442	1314,674	2
37	42,4	38341	1	1	1	663,8374	1325,66	2
37	42,4	43482	1	1	1	686,8615	1371,708	2
37	42,4	44903	1	1	1	693,866	1385,717	2
37	42,4	48725	1	1	1	712,3838	1422,753	2
37	42,4	50523	1	1	1	720,3799	1438,745	2
37	42,4	54551	1	1	1	737,3836	1472,753	2
37	42,4	55841	1	1	1	743,3974	1484,78	2
37	42,4	55844	1	1	1	743,3976	1484,781	2
37	42,4	55845	1	1	1	743,398	1484,781	2
37	42,4	55846	1	1	1	743,3984	1484,782	2
37	42,4	55850	1	1	1	743,3996	1484,785	2
37	42,4	55851	1	1	1	743,4005	1484,787	2
37	42,4	55852	1	1	1	743,4017	1484,789	2
37	42,4	55856	1	1	1	743,4023	1484,79	2
37	42,4	55994	1	1	1	743,9225	1485,83	2
37	42,4	57314	1	1	1	749,8753	1497,736	2
37	42,4	57602	1	1	1	751,3971	1500,78	2
37	42,4	57603	1	1	1	751,3975	1500,781	2

37	42,4	57608	1	1	1	751,3984	1500,782	2
37	42,4	57609	1	1	1	751,3985	1500,782	2
37	42,4	59513	1	1	1	759,8949	1517,775	2
37	42,4	64685	1	1	1	784,9336	1567,853	2
37	42,4	64687	1	1	1	784,9352	1567,856	2
37	42,4	66477	1	1	1	793,9171	1585,82	2
37	42,4	69264	1	1	1	806,9331	1611,852	2
37	42,4	69267	1	1	1	806,9347	1611,855	2
37	42,4	69269	1	1	1	806,936	1611,858	2
37	42,4	72220	1	1	1	821,4535	1640,893	2
37	42,4	72221	1	1	1	821,4537	1640,893	2
37	42,4	76180	1	1	1	841,4744	1680,934	2
37	42,4	76181	1	1	1	841,4745	1680,934	2
37	42,4	76184	1	1	1	841,4751	1680,936	2
37	42,4	76186	1	1	1	841,4756	1680,937	2
37	42,4	76187	1	1	1	841,4765	1680,938	2
37	42,4	76188	1	1	1	841,4767	1680,939	2
37	42,4	76191	1	1	1	841,4776	1680,941	2
37	42,4	76192	1	1	1	841,4776	1680,941	2
37	42,4	76193	1	1	1	841,4782	1680,942	2
37	42,4	76194	1	1	1	841,4783	1680,942	2
37	42,4	76196	1	1	1	841,4786	1680,943	2
37	42,4	76198	1	1	1	841,479	1680,943	2
37	42,4	76199	1	1	1	841,4795	1680,944	2
37	42,4	76200	1	1	1	841,4795	1680,945	2
37	42,4	76454	1	1	1	842,9581	1683,902	2
37	42,4	76541	1	1	1	843,4611	1684,908	2
37	42,4	77964	1	1	1	850,9367	1699,859	2
37	42,4	81120	1	1	1	867,4141	1732,814	2
37	42,4	81805	1	1	1	870,9816	1739,949	2
37	42,4	81806	1	1	1	870,9833	1739,952	2
37	42,4	81807	1	1	1	870,9837	1739,953	2
37	42,4	81809	1	1	1	870,9839	1739,953	2
37	42,4	87074	1	1	1	899,4584	1796,902	2
37	42,4	87085	1	1	1	899,4604	1796,906	2
37	42,4	87086	1	1	1	899,4605	1796,906	2
37	42,4	92060	1	1	1	924,4666	1846,919	2
37	42,4	92067	1	1	1	924,4717	1846,929	2
37	42,4	97943	1	1	1	959,4697	1916,925	2
37	42,4	97945	1	1	1	959,4709	1916,927	2
37	42,4	97946	1	1	1	959,4709	1916,927	2
37	42,4	97947	1	1	1	959,4709	1916,927	2
37	42,4	97948	1	1	1	959,4714	1916,928	2
37	42,4	97949	1	1	1	959,4714	1916,928	2
37	42,4	97950	1	1	1	959,4714	1916,928	2
37	42,4	97951	1	1	1	959,4715	1916,929	2
37	42,4	97952	1	1	1	959,4718	1916,929	2
37	42,4	97954	1	1	1	959,4718	1916,929	2

37	42,4	97955	1	1	1	959,4723	1916,93	2
37	42,4	97956	1	1	1	959,4729	1916,931	2
37	42,4	97958	1	1	1	959,4733	1916,932	2
37	42,4	97959	1	1	1	959,4736	1916,933	2
37	42,4	97960	1	1	1	959,4736	1916,933	2
37	42,4	97961	1	1	1	959,4736	1916,933	2
37	42,4	97962	1	1	1	959,4737	1916,933	2
37	42,4	97963	1	1	1	959,4738	1916,933	2
37	42,4	97964	1	1	1	959,4738	1916,933	2
37	42,4	97965	1	1	1	959,4742	1916,934	2
37	42,4	97966	1	1	1	959,4743	1916,934	2
37	42,4	97967	1	1	1	959,4747	1916,935	2
37	42,4	97968	1	1	1	959,4749	1916,935	2
37	42,4	97969	1	1	1	959,475	1916,935	2
37	42,4	97970	1	1	1	959,4751	1916,936	2
37	42,4	97971	1	1	1	959,4752	1916,936	2
37	42,4	97973	1	1	1	959,4757	1916,937	2
37	42,4	97975	1	1	1	959,476	1916,937	2
37	42,4	97976	1	1	1	959,4761	1916,938	2
37	42,4	97978	1	1	1	959,4763	1916,938	2
37	42,4	97981	1	1	1	959,4771	1916,94	2
37	42,4	111659	1	1	1	1049,55	2097,085	2
37	42,4	113382	1	1	1	1062,031	2122,048	2
37	42,4	47937	1	1	1	708,3568	2122,049	3
37	42,4	113383	1	1	1	1062,033	2122,05	2
37	42,4	47938	1	1	1	708,3588	2122,055	3
37	42,4	113384	1	1	1	1062,035	2122,056	2
37	42,4	48923	1	1	1	713,6857	2138,035	3
37	42,4	48924	1	1	1	713,6858	2138,036	3
37	42,4	114362	1	1	1	1070,027	2138,04	2
37	42,4	48925	1	1	1	713,6872	2138,04	3
37	42,4	114368	1	1	1	1070,031	2138,047	2
37	42,4	114372	1	1	1	1070,033	2138,051	2
37	42,4	118114	1	1	1	1099,082	2196,15	2
37	42,4	60799	1	1	1	766,752	2297,234	3
37	42,4	66678	1	1	1	794,7716	2381,293	3
37	42,4	66679	1	1	1	794,772	2381,294	3
37	42,4	126410	1	1	1	1191,654	2381,294	2
37	42,4	66683	1	1	1	794,7752	2381,304	3
37	42,4	66684	1	1	1	794,7752	2381,304	3
37	42,4	75382	1	1	1	837,467	2509,379	3
37	42,4	75383	1	1	1	837,4691	2509,385	3
37	42,4	75384	1	1	1	837,4699	2509,388	3
37	42,4	132374	1	1	1	1320,685	2639,356	2
37	42,4	87004	1	1	1	899,1605	2694,46	3
37	42,4	87005	1	1	1	899,1608	2694,461	3
37	42,4	88185	1	1	1	904,4895	2710,447	3
37	42,4	91893	1	1	1	923,49	2767,448	3

37	42,4	91894	1	1	1	923,4901	2767,448	3
37	42,4	91895	1	1	1	923,4902	2767,449	3
37	42,4	91896	1	1	1	923,4912	2767,452	3
37	42,4	92843	1	1	1	928,8237	2783,449	3
35	59	1076	1	1	1	413,2282	824,4418	2
35	59	1080	1	1	1	413,2293	824,4441	2
35	59	3255	1	1	1	456,7726	911,5305	2
35	59	3733	1	1	1	462,7629	923,5113	2
35	59	3734	1	1	1	462,7631	923,5117	2
35	59	3736	1	1	1	462,7632	923,5118	2
35	59	3737	1	1	1	462,7633	923,512	2
35	59	3738	1	1	1	462,7633	923,5121	2
35	59	3739	1	1	1	462,7633	923,5121	2
35	59	3741	1	1	1	462,7637	923,5128	2
35	59	26029	1	1	1	605,3008	1208,587	2
35	59	26124	1	1	1	605,8353	1209,656	2
35	59	26125	1	1	1	605,8367	1209,659	2
35	59	26126	1	1	1	605,838	1209,662	2
35	59	26127	1	1	1	605,8393	1209,664	2
35	59	26128	1	1	1	605,8394	1209,664	2
35	59	26129	1	1	1	605,8395	1209,665	2
35	59	26130	1	1	1	605,8396	1209,665	2
35	59	26131	1	1	1	605,8405	1209,667	2
35	59	29375	1	1	1	621,3587	1240,703	2
35	59	29376	1	1	1	621,359	1240,704	2
35	59	29377	1	1	1	621,3599	1240,705	2
35	59	29379	1	1	1	621,3611	1240,708	2
35	59	36382	1	1	1	655,31	1308,606	2
35	59	36383	1	1	1	655,3101	1308,606	2
35	59	36384	1	1	1	655,3102	1308,606	2
35	59	36385	1	1	1	655,3108	1308,607	2
35	59	38017	1	1	1	662,8155	1323,617	2
35	59	38019	1	1	1	662,8167	1323,619	2
35	59	38020	1	1	1	662,8177	1323,621	2
35	59	38022	1	1	1	662,8181	1323,622	2
35	59	38023	1	1	1	662,8184	1323,622	2
35	59	48615	1	1	1	711,8651	1421,716	2
35	59	50267	1	1	1	719,3559	1436,697	2
35	59	50271	1	1	1	719,3577	1436,701	2
35	59	50274	1	1	1	719,36	1436,705	2
35	59	50278	1	1	1	719,3623	1436,71	2
35	59	55727	1	1	1	742,9071	1483,8	2
35	59	58266	1	1	1	754,9409	1507,867	2
35	59	58267	1	1	1	754,9415	1507,869	2
35	59	61207	1	1	1	768,4068	1534,799	2
35	59	61208	1	1	1	768,4075	1534,8	2
35	59	67287	1	1	1	797,9284	1593,842	2
35	59	74379	1	1	1	832,9288	1663,843	2

35	59	74381	1	1	1	832,929	1663,844	2
35	59	77605	1	1	1	848,9376	1695,861	2
35	59	77610	1	1	1	848,9402	1695,866	2
35	59	77611	1	1	1	848,9402	1695,866	2
35	59	77612	1	1	1	848,9404	1695,866	2
35	59	77613	1	1	1	848,9409	1695,867	2
35	59	77614	1	1	1	848,9418	1695,869	2
35	59	77619	1	1	1	848,9445	1695,874	2
35	59	78691	1	1	1	854,4682	1706,922	2
35	59	78694	1	1	1	854,4707	1706,927	2
35	59	80170	1	1	1	862,4682	1722,922	2
35	59	80171	1	1	1	862,4683	1722,922	2
35	59	85275	1	1	1	889,4724	1776,93	2
35	59	88637	1	1	1	907,011	1812,007	2
35	59	88638	1	1	1	907,0115	1812,008	2
35	59	90692	1	1	1	917,9794	1833,944	2
35	59	90694	1	1	1	917,9834	1833,952	2
35	59	90695	1	1	1	917,9835	1833,953	2
35	59	96134	1	1	1	948,502	1894,99	2
35	59	96155	1	1	1	948,5036	1894,993	2
35	59	96171	1	1	1	948,5053	1894,996	2
35	59	96179	1	1	1	948,5066	1894,999	2
35	59	96181	1	1	1	948,5067	1894,999	2
35	59	96186	1	1	1	948,5072	1895	2
35	59	96189	1	1	1	948,5073	1895	2
35	59	98790	1	1	1	965,0018	1927,989	2
35	59	98791	1	1	1	965,0062	1927,998	2
35	59	99341	1	1	1	968,5066	1934,999	2
35	59	37363	1	1	1	659,7035	1976,089	3
35	59	42699	1	1	1	683,6958	2048,066	3
35	59	42700	1	1	1	683,6969	2048,069	3
35	59	42701	1	1	1	683,6977	2048,071	3
35	59	42702	1	1	1	683,6982	2048,073	3
35	59	42703	1	1	1	683,6985	2048,074	3
35	59	108016	1	1	1	1025,045	2048,076	2
35	59	108017	1	1	1	1025,045	2048,076	2
35	59	108018	1	1	1	1025,048	2048,081	2
35	59	108019	1	1	1	1025,048	2048,081	2
35	59	108020	1	1	1	1025,048	2048,081	2
35	59	108021	1	1	1	1025,049	2048,083	2
35	59	44942	1	1	1	694,0587	2079,154	3
35	59	110402	1	1	1	1040,589	2079,163	2
35	59	46040	1	1	1	700,3564	2098,047	3
35	59	46042	1	1	1	700,3572	2098,05	3
35	59	51047	1	1	1	722,3987	2164,174	3
35	59	56439	1	1	1	746,093	2235,257	3
35	59	61984	1	1	1	772,3796	2314,117	3
35	59	61989	1	1	1	772,381	2314,121	3

35	59	61993	1	1	1	772,3822	2314,125	3
35	59	61994	1	1	1	772,3824	2314,126	3
35	59	61995	1	1	1	772,383	2314,127	3
35	59	61996	1	1	1	772,3835	2314,129	3
35	59	61997	1	1	1	772,3839	2314,13	3
35	59	84078	1	1	1	883,1367	2646,388	3
35	59	92246	1	1	1	925,8242	2774,451	3
35	59	92247	1	1	1	925,8253	2774,454	3
35	59	96314	1	1	1	949,5031	2845,487	3
35	59	124973	1	1	1	1172,298	3513,871	3
35	59	124974	1	1	1	1172,299	3513,875	3
35	59	132368	1	1	1	1320,361	3958,06	3
35	59	132369	1	1	1	1320,362	3958,064	3
1	2,2	3255	1	0	1	456,7726	911,5305	2
23	53,8	8146	1	1	1	500,2957	998,5768	2
23	53,8	8148	1	1	1	500,2965	998,5785	2
23	53,8	16911	1	1	1	556,838	1111,662	2
23	53,8	16912	1	1	1	556,8382	1111,662	2
23	53,8	16913	1	1	1	556,8386	1111,663	2
23	53,8	16914	1	1	1	556,8387	1111,663	2
23	53,8	16915	1	1	1	556,839	1111,663	2
23	53,8	16916	1	1	1	556,8391	1111,664	2
23	53,8	16917	1	1	1	556,8395	1111,664	2
23	53,8	25293	1	1	1	601,3019	1200,589	2
23	53,8	41469	1	1	1	677,8208	1353,627	2
23	53,8	41470	1	1	1	677,821	1353,627	2
23	53,8	41471	1	1	1	677,8216	1353,629	2
23	53,8	42517	1	1	1	682,8344	1363,654	2
23	53,8	55658	1	1	1	742,4049	1482,795	2
23	53,8	58546	1	1	1	755,8732	1509,732	2
23	53,8	64144	1	1	1	782,386	1562,757	2
23	53,8	69259	1	1	1	806,9273	1611,84	2
23	53,8	69261	1	1	1	806,9285	1611,843	2
23	53,8	70655	1	1	1	813,8846	1625,755	2
23	53,8	73466	1	1	1	828,4204	1654,826	2
23	53,8	73470	1	1	1	828,4212	1654,828	2
23	53,8	73471	1	1	1	828,4214	1654,828	2
23	53,8	73473	1	1	1	828,4229	1654,831	2
23	53,8	73474	1	1	1	828,4232	1654,832	2
23	53,8	73475	1	1	1	828,4234	1654,832	2
23	53,8	73476	1	1	1	828,4235	1654,832	2
23	53,8	73477	1	1	1	828,4235	1654,833	2
23	53,8	73478	1	1	1	828,4236	1654,833	2
23	53,8	73480	1	1	1	828,4247	1654,835	2
23	53,8	73482	1	1	1	828,4257	1654,837	2
23	53,8	73483	1	1	1	828,427	1654,839	2
23	53,8	75133	1	1	1	836,4176	1670,821	2
23	53,8	75135	1	1	1	836,4182	1670,822	2

23	53,8	75136	1	1	1	836,4183	1670,822	2
23	53,8	75137	1	1	1	836,4186	1670,823	2
23	53,8	75140	1	1	1	836,419	1670,823	2
23	53,8	75141	1	1	1	836,419	1670,823	2
23	53,8	75142	1	1	1	836,4191	1670,824	2
23	53,8	75143	1	1	1	836,4203	1670,826	2
23	53,8	75145	1	1	1	836,4206	1670,827	2
23	53,8	77433	1	1	1	848,4025	1694,79	2
23	53,8	80359	1	1	1	863,4667	1724,919	2
23	53,8	80361	1	1	1	863,4684	1724,922	2
23	53,8	81725	1	1	1	870,426	1738,837	2
23	53,8	81728	1	1	1	870,4272	1738,84	2
23	53,8	85740	1	1	1	892,4215	1782,829	2
23	53,8	87916	1	1	1	903,4454	1804,876	2
23	53,8	87919	1	1	1	903,4469	1804,879	2
23	53,8	87920	1	1	1	903,4469	1804,879	2
23	53,8	87922	1	1	1	903,4475	1804,88	2
23	53,8	87923	1	1	1	903,4475	1804,88	2
23	53,8	87924	1	1	1	903,4476	1804,881	2
23	53,8	87926	1	1	1	903,4484	1804,882	2
23	53,8	87928	1	1	1	903,4487	1804,883	2
23	53,8	87929	1	1	1	903,449	1804,883	2
23	53,8	87931	1	1	1	903,4496	1804,885	2
23	53,8	87933	1	1	1	903,4499	1804,885	2
23	53,8	87934	1	1	1	903,4505	1804,886	2
23	53,8	87935	1	1	1	903,4506	1804,887	2
23	53,8	87936	1	1	1	903,4507	1804,887	2
23	53,8	87938	1	1	1	903,451	1804,888	2
23	53,8	87939	1	1	1	903,4512	1804,888	2
23	53,8	87940	1	1	1	903,4512	1804,888	2
23	53,8	33851	1	1	1	642,3425	1924,006	3
23	53,8	98508	1	1	1	963,0115	1924,008	2
23	53,8	33856	1	1	1	642,3437	1924,009	3
23	53,8	33858	1	1	1	642,3444	1924,011	3
23	53,8	98509	1	1	1	963,013	1924,012	2
23	53,8	98510	1	1	1	963,013	1924,012	2
23	53,8	33859	1	1	1	642,3447	1924,012	3
23	53,8	33861	1	1	1	642,3456	1924,015	3
23	53,8	98511	1	1	1	963,0155	1924,016	2
23	53,8	98512	1	1	1	963,0158	1924,017	2
23	53,8	34968	1	1	1	647,675	1940,003	3
23	53,8	34969	1	1	1	647,6769	1940,009	3
23	53,8	100141	1	1	1	973,9514	1945,888	2
23	53,8	100142	1	1	1	973,9528	1945,891	2
23	53,8	100143	1	1	1	973,9529	1945,891	2
23	53,8	100145	1	1	1	973,9533	1945,892	2
23	53,8	100147	1	1	1	973,9544	1945,894	2
23	53,8	100148	1	1	1	973,9545	1945,895	2



23	53,8	100151	1	1	1	973,955	1945,895	2
23	53,8	100152	1	1	1	973,955	1945,895	2
23	53,8	100153	1	1	1	973,9552	1945,896	2
23	53,8	123713	1	1	1	1156,553	2311,09	2
23	53,8	123714	1	1	1	1156,554	2311,093	2
23	53,8	123716	1	1	1	1156,556	2311,097	2
23	53,8	123836	1	1	1	1158,11	2314,206	2
23	53,8	83839	1	1	1	881,7954	2642,364	3
23	53,8	83840	1	1	1	881,7954	2642,365	3
23	53,8	83842	1	1	1	881,7972	2642,37	3
23	53,8	107150	1	1	1	1019,495	3055,464	3
23	53,8	117165	1	1	1	1090,515	3268,524	3
23	53,8	117168	1	1	1	1090,52	3268,538	3
23	53,8	117169	1	1	1	1090,523	3268,547	3
27	32,6	6973	1	1	1	491,8138	981,613	2
27	32,6	15653	1	1	1	549,3275	1096,64	2
27	32,6	15654	1	1	1	549,3279	1096,641	2
27	32,6	15655	1	1	1	549,3281	1096,642	2
27	32,6	18067	1	1	1	562,7957	1123,577	2
27	32,6	18074	1	1	1	562,7969	1123,579	2
27	32,6	18075	1	1	1	562,797	1123,579	2
27	32,6	18078	1	1	1	562,7971	1123,58	2
27	32,6	18082	1	1	1	562,7977	1123,581	2
27	32,6	24517	1	1	1	596,8161	1191,618	2
27	32,6	24518	1	1	1	596,8162	1191,618	2
27	32,6	26088	1	1	1	605,7885	1209,563	2
27	32,6	26089	1	1	1	605,7895	1209,564	2
27	32,6	27638	1	1	1	613,3583	1224,702	2
27	32,6	27639	1	1	1	613,3585	1224,702	2
27	32,6	27640	1	1	1	613,3586	1224,703	2
27	32,6	33986	1	1	1	643,3065	1284,598	2
27	32,6	37317	1	1	1	659,3415	1316,668	2
27	32,6	37925	1	1	1	662,333	1322,652	2
27	32,6	37932	1	1	1	662,3356	1322,657	2
27	32,6	39761	1	1	1	670,3519	1338,689	2
27	32,6	43461	1	1	1	686,8239	1371,633	2
27	32,6	43510	1	1	1	686,8929	1371,771	2
27	32,6	43514	1	1	1	686,8944	1371,774	2
27	32,6	48753	1	1	1	712,855	1423,695	2
27	32,6	48756	1	1	1	712,8572	1423,7	2
27	32,6	48759	1	1	1	712,8591	1423,704	2
27	32,6	48765	1	1	1	712,8608	1423,707	2
27	32,6	58347	1	1	1	755,3622	1508,71	2
27	32,6	58709	1	1	1	756,3707	1510,727	2
27	32,6	58712	1	1	1	756,3719	1510,729	2
27	32,6	58715	1	1	1	756,3736	1510,733	2
27	32,6	58718	1	1	1	756,3743	1510,734	2
27	32,6	61884	1	1	1	771,8801	1541,746	2

27	32,6	64653	1	1	1	784,885	1567,755	2
27	32,6	64654	1	1	1	784,885	1567,755	2
27	32,6	64655	1	1	1	784,885	1567,756	2
27	32,6	64662	1	1	1	784,8873	1567,76	2
27	32,6	64663	1	1	1	784,8876	1567,761	2
27	32,6	70292	1	1	1	811,9053	1621,796	2
27	32,6	70466	1	1	1	812,9152	1623,816	2
27	32,6	70468	1	1	1	812,9156	1623,817	2
27	32,6	70470	1	1	1	812,9157	1623,817	2
27	32,6	70472	1	1	1	812,9161	1623,818	2
27	32,6	70475	1	1	1	812,9167	1623,819	2
27	32,6	70476	1	1	1	812,917	1623,82	2
27	32,6	70477	1	1	1	812,9171	1623,82	2
27	32,6	70480	1	1	1	812,918	1623,822	2
27	32,6	70482	1	1	1	812,9182	1623,822	2
27	32,6	74387	1	1	1	832,9477	1663,881	2
27	32,6	74388	1	1	1	832,948	1663,881	2
27	32,6	74389	1	1	1	832,948	1663,882	2
27	32,6	74390	1	1	1	832,9481	1663,882	2
27	32,6	74392	1	1	1	832,9496	1663,885	2
27	32,6	74393	1	1	1	832,9502	1663,886	2
27	32,6	76132	1	1	1	841,4263	1680,838	2
27	32,6	19811	1	1	1	572,6317	1714,873	3
27	32,6	81313	1	1	1	868,438	1734,862	2
27	32,6	81319	1	1	1	868,4426	1734,871	2
27	32,6	81320	1	1	1	868,4431	1734,872	2
27	32,6	81321	1	1	1	868,4431	1734,872	2
27	32,6	81323	1	1	1	868,4434	1734,872	2
27	32,6	81324	1	1	1	868,4434	1734,872	2
27	32,6	81326	1	1	1	868,4434	1734,872	2
27	32,6	81327	1	1	1	868,4435	1734,872	2
27	32,6	81328	1	1	1	868,4436	1734,873	2
27	32,6	81329	1	1	1	868,4436	1734,873	2
27	32,6	81330	1	1	1	868,4437	1734,873	2
27	32,6	81332	1	1	1	868,4438	1734,873	2
27	32,6	81333	1	1	1	868,4439	1734,873	2
27	32,6	81334	1	1	1	868,4439	1734,873	2
27	32,6	81335	1	1	1	868,444	1734,873	2
27	32,6	81336	1	1	1	868,444	1734,874	2
27	32,6	81337	1	1	1	868,4441	1734,874	2
27	32,6	81338	1	1	1	868,4442	1734,874	2
27	32,6	81340	1	1	1	868,4442	1734,874	2
27	32,6	81341	1	1	1	868,4444	1734,874	2
27	32,6	81342	1	1	1	868,4444	1734,874	2
27	32,6	81344	1	1	1	868,4446	1734,875	2
27	32,6	81345	1	1	1	868,4446	1734,875	2
27	32,6	81346	1	1	1	868,4446	1734,875	2
27	32,6	81347	1	1	1	868,4446	1734,875	2

27	32,6	81348	1	1	1	868,4446	1734,875	2
27	32,6	81349	1	1	1	868,4448	1734,875	2
27	32,6	81354	1	1	1	868,4455	1734,877	2
27	32,6	81355	1	1	1	868,4456	1734,877	2
27	32,6	81356	1	1	1	868,4463	1734,878	2
27	32,6	81363	1	1	1	868,4477	1734,881	2
27	32,6	24241	1	1	1	594,9681	1781,883	3
27	32,6	85681	1	1	1	891,9503	1781,886	2
27	32,6	85682	1	1	1	891,9507	1781,887	2
27	32,6	85683	1	1	1	891,9508	1781,887	2
27	32,6	85685	1	1	1	891,9521	1781,89	2
27	32,6	27029	1	1	1	610,3259	1827,956	3
27	32,6	27030	1	1	1	610,3259	1827,956	3
27	32,6	27031	1	1	1	610,326	1827,956	3
27	32,6	27032	1	1	1	610,3262	1827,957	3
27	32,6	90119	1	1	1	914,9893	1827,964	2
27	32,6	90122	1	1	1	914,9924	1827,97	2
27	32,6	30017	1	1	1	623,98	1868,918	3
27	32,6	37804	1	1	1	661,6727	1981,996	3
27	32,6	37807	1	1	1	661,6755	1982,005	3
28	92,9	24917	1	1	1	599,3081	1196,602	2
28	92,9	27633	1	1	1	613,3469	1224,679	2
28	92,9	27635	1	1	1	613,3473	1224,68	2
28	92,9	27636	1	1	1	613,3481	1224,682	2
28	92,9	31206	1	1	1	629,8226	1257,631	2
28	92,9	31212	1	1	1	629,8242	1257,634	2
28	92,9	39703	1	1	1	669,8868	1337,759	2
28	92,9	39706	1	1	1	669,8884	1337,762	2
28	92,9	39707	1	1	1	669,8909	1337,767	2
28	92,9	39708	1	1	1	669,8911	1337,768	2
28	92,9	39709	1	1	1	669,8915	1337,768	2
28	92,9	39710	1	1	1	669,8918	1337,769	2
28	92,9	40547	1	1	1	673,8406	1345,667	2
28	92,9	42244	1	1	1	681,3674	1360,72	2
28	92,9	50533	1	1	1	720,4146	1438,815	2
28	92,9	52970	1	1	1	730,3785	1458,742	2
28	92,9	52973	1	1	1	730,3809	1458,747	2
28	92,9	52974	1	1	1	730,381	1458,748	2
28	92,9	52975	1	1	1	730,3813	1458,748	2
28	92,9	52976	1	1	1	730,3813	1458,748	2
28	92,9	52977	1	1	1	730,3813	1458,748	2
28	92,9	52978	1	1	1	730,3814	1458,748	2
28	92,9	52979	1	1	1	730,3816	1458,749	2
28	92,9	52980	1	1	1	730,3816	1458,749	2
28	92,9	52981	1	1	1	730,3817	1458,749	2
28	92,9	52982	1	1	1	730,3817	1458,749	2
28	92,9	52983	1	1	1	730,3819	1458,749	2
28	92,9	52984	1	1	1	730,3819	1458,749	2

28	92,9	52985	1	1	1	730,382	1458,749	2
28	92,9	52988	1	1	1	730,3823	1458,75	2
28	92,9	52989	1	1	1	730,3824	1458,75	2
28	92,9	52990	1	1	1	730,3824	1458,75	2
28	92,9	52992	1	1	1	730,3827	1458,751	2
28	92,9	52993	1	1	1	730,3827	1458,751	2
28	92,9	52994	1	1	1	730,3827	1458,751	2
28	92,9	52996	1	1	1	730,3828	1458,751	2
28	92,9	52998	1	1	1	730,3832	1458,752	2
28	92,9	53000	1	1	1	730,3833	1458,752	2
28	92,9	53001	1	1	1	730,3833	1458,752	2
28	92,9	53002	1	1	1	730,3833	1458,752	2
28	92,9	53003	1	1	1	730,3836	1458,753	2
28	92,9	53004	1	1	1	730,384	1458,753	2
28	92,9	53007	1	1	1	730,3845	1458,755	2
28	92,9	53067	1	1	1	730,8439	1459,673	2
28	92,9	54344	1	1	1	736,873	1471,732	2
28	92,9	58576	1	1	1	755,9302	1509,846	2
28	92,9	58578	1	1	1	755,9314	1509,848	2
28	92,9	58580	1	1	1	755,932	1509,85	2
28	92,9	58581	1	1	1	755,9322	1509,85	2
28	92,9	58582	1	1	1	755,933	1509,851	2
28	92,9	60783	1	1	1	766,4213	1530,828	2
28	92,9	63015	1	1	1	776,9347	1551,855	2
28	92,9	63016	1	1	1	776,9352	1551,856	2
28	92,9	63018	1	1	1	776,9362	1551,858	2
28	92,9	63021	1	1	1	776,9374	1551,86	2
28	92,9	63023	1	1	1	776,9376	1551,861	2
28	92,9	15416	1	1	1	547,9461	1640,817	3
28	92,9	15426	1	1	1	547,947	1640,819	3
28	92,9	72187	1	1	1	821,4175	1640,82	2
28	92,9	72190	1	1	1	821,4178	1640,821	2
28	92,9	75241	1	1	1	836,9317	1671,849	2
28	92,9	75242	1	1	1	836,9318	1671,849	2
28	92,9	75243	1	1	1	836,932	1671,849	2
28	92,9	75246	1	1	1	836,9343	1671,854	2
28	92,9	81792	1	1	1	870,9195	1739,825	2
28	92,9	82459	1	1	1	874,4149	1746,815	2
28	92,9	90727	1	1	1	918,3949	1834,775	2
28	92,9	90730	1	1	1	918,4018	1834,789	2
28	92,9	90731	1	1	1	918,4026	1834,791	2
28	92,9	90732	1	1	1	918,4028	1834,791	2
28	92,9	90733	1	1	1	918,4028	1834,791	2
28	92,9	90734	1	1	1	918,4028	1834,791	2
28	92,9	90735	1	1	1	918,4034	1834,792	2
28	92,9	90736	1	1	1	918,4041	1834,794	2
28	92,9	90737	1	1	1	918,4043	1834,794	2
28	92,9	90738	1	1	1	918,4055	1834,797	2

28	92,9	35078	1	1	1	648,016	1941,026	3
28	92,9	47885	1	1	1	708,3182	2121,933	3
28	92,9	47893	1	1	1	708,3201	2121,938	3
28	92,9	47901	1	1	1	708,3214	2121,942	3
28	92,9	50012	1	1	1	718,08	2151,218	3
28	92,9	56821	1	1	1	747,6999	2240,078	3
28	92,9	67070	1	1	1	797,0829	2388,227	3
28	92,9	126611	1	1	1	1195,127	2388,239	2
28	92,9	126612	1	1	1	1195,128	2388,241	2
28	92,9	89824	1	1	1	913,4397	2737,297	3
28	92,9	94193	1	1	1	937,1196	2808,337	3
28	92,9	94194	1	1	1	937,1205	2808,34	3
28	92,9	100410	1	1	1	974,8121	2921,414	3
28	92,9	100411	1	1	1	974,8166	2921,428	3
28	92,9	104507	1	1	1	1001,835	3002,484	3
28	92,9	105965	1	1	1	1012,51	3034,507	3
28	92,9	105968	1	1	1	1012,513	3034,517	3
28	92,9	112406	1	1	1	1055,21	3162,608	3
17	52,2	4328	1	1	1	468,3067	934,5988	2
17	52,2	4329	1	1	1	468,3078	934,601	2
17	52,2	4330	1	1	1	468,3084	934,6022	2
17	52,2	79829	1	1	1	860,8921	1719,77	2
17	52,2	79830	1	1	1	860,893	1719,772	2
17	52,2	79831	1	1	1	860,895	1719,776	2
17	52,2	90739	1	1	1	918,4061	1834,798	2
17	52,2	92132	1	1	1	924,9398	1847,865	2
17	52,2	29198	1	1	1	620,3469	1858,019	3
17	52,2	29199	1	1	1	620,3486	1858,024	3
17	52,2	100419	1	1	1	974,9469	1947,879	2
17	52,2	101498	1	1	1	982,4552	1962,896	2
17	52,2	108975	1	1	1	1031,485	2060,955	2
17	52,2	108978	1	1	1	1031,486	2060,957	2
17	52,2	108979	1	1	1	1031,486	2060,957	2
17	52,2	108980	1	1	1	1031,487	2060,959	2
17	52,2	108984	1	1	1	1031,488	2060,962	2
17	52,2	108985	1	1	1	1031,488	2060,962	2
17	52,2	108987	1	1	1	1031,489	2060,963	2
17	52,2	108990	1	1	1	1031,489	2060,964	2
17	52,2	108992	1	1	1	1031,489	2060,964	2
17	52,2	108993	1	1	1	1031,489	2060,964	2
17	52,2	108994	1	1	1	1031,489	2060,964	2
17	52,2	108998	1	1	1	1031,489	2060,964	2
17	52,2	108999	1	1	1	1031,49	2060,964	2
17	52,2	109001	1	1	1	1031,49	2060,965	2
17	52,2	109004	1	1	1	1031,492	2060,969	2
17	52,2	109005	1	1	1	1031,492	2060,969	2
17	52,2	109016	1	1	1	1031,495	2060,975	2
17	52,2	110058	1	1	1	1039	2075,986	2

17	52,2	110104	1	1	1	1039,484	2076,954	2
17	52,2	110108	1	1	1	1039,486	2076,957	2
17	52,2	110109	1	1	1	1039,486	2076,958	2
17	52,2	110110	1	1	1	1039,487	2076,959	2
17	52,2	110111	1	1	1	1039,487	2076,96	2
17	52,2	110112	1	1	1	1039,487	2076,96	2
17	52,2	110114	1	1	1	1039,488	2076,961	2
17	52,2	110116	1	1	1	1039,489	2076,963	2
17	52,2	110117	1	1	1	1039,489	2076,963	2
17	52,2	110118	1	1	1	1039,489	2076,963	2
17	52,2	110121	1	1	1	1039,49	2076,966	2
17	52,2	110122	1	1	1	1039,491	2076,966	2
17	52,2	110123	1	1	1	1039,495	2076,975	2
17	52,2	45288	1	1	1	696,0545	2085,142	3
17	52,2	45289	1	1	1	696,055	2085,143	3
17	52,2	53047	1	1	1	730,6902	2189,049	3
17	52,2	53048	1	1	1	730,6913	2189,052	3
17	52,2	117777	1	1	1	1095,543	2189,072	2
17	52,2	54234	1	1	1	736,0229	2205,047	3
17	52,2	54235	1	1	1	736,0236	2205,049	3
17	52,2	56889	1	1	1	748,0919	2241,254	3
17	52,2	56891	1	1	1	748,095	2241,263	3
17	52,2	60184	1	1	1	763,4052	2287,194	3
17	52,2	60192	1	1	1	763,4075	2287,201	3
17	52,2	124623	1	1	1	1168,106	2334,197	2
17	52,2	124624	1	1	1	1168,106	2334,198	2
17	52,2	124626	1	1	1	1168,107	2334,2	2
17	52,2	70985	1	1	1	815,4468	2443,319	3
17	52,2	129161	1	1	1	1232,151	2462,288	2
17	52,2	129165	1	1	1	1232,152	2462,29	2
17	52,2	73177	1	1	1	827,1017	2478,283	3
17	52,2	73178	1	1	1	827,1021	2478,284	3
17	52,2	73179	1	1	1	827,1023	2478,285	3
17	52,2	111917	1	1	1	1052,155	3153,443	3
17	52,2	111918	1	1	1	1052,155	3153,444	3
17	52,2	111919	1	1	1	1052,156	3153,447	3
17	52,2	112758	1	1	1	1057,486	3169,437	3
17	52,2	112762	1	1	1	1057,488	3169,442	3
17	52,2	112763	1	1	1	1057,49	3169,448	3
23	49,7	5026	1	1	1	475,2625	948,5104	2
23	49,7	17414	1	1	1	559,3067	1116,599	2
23	49,7	19347	1	1	1	570,2945	1138,575	2
23	49,7	19358	1	1	1	570,2959	1138,577	2
23	49,7	19359	1	1	1	570,2959	1138,577	2
23	49,7	19361	1	1	1	570,2964	1138,578	2
23	49,7	19368	1	1	1	570,2977	1138,581	2
23	49,7	24227	1	1	1	594,8286	1187,643	2
23	49,7	35828	1	1	1	651,8276	1301,641	2

23	49,7	35829	1	1	1	651,8278	1301,641	2
23	49,7	35830	1	1	1	651,8279	1301,641	2
23	49,7	35831	1	1	1	651,828	1301,641	2
23	49,7	35833	1	1	1	651,8281	1301,642	2
23	49,7	35834	1	1	1	651,8286	1301,643	2
23	49,7	35835	1	1	1	651,829	1301,644	2
23	49,7	35840	1	1	1	651,8302	1301,646	2
23	49,7	36379	1	1	1	655,3061	1308,598	2
23	49,7	44740	1	1	1	692,8886	1383,763	2
23	49,7	44741	1	1	1	692,8901	1383,766	2
23	49,7	44742	1	1	1	692,8909	1383,767	2
23	49,7	48433	1	1	1	710,8448	1419,675	2
23	49,7	48439	1	1	1	710,8469	1419,679	2
23	49,7	48443	1	1	1	710,8483	1419,682	2
23	49,7	48451	1	1	1	710,8542	1419,694	2
23	49,7	50156	1	1	1	718,8411	1435,668	2
23	49,7	50157	1	1	1	718,844	1435,673	2
23	49,7	50247	1	1	1	719,3385	1436,663	2
23	49,7	51717	1	1	1	725,3643	1448,714	2
23	49,7	51723	1	1	1	725,3654	1448,716	2
23	49,7	51726	1	1	1	725,366	1448,717	2
23	49,7	63022	1	1	1	776,9374	1551,86	2
23	49,7	63024	1	1	1	776,9379	1551,861	2
23	49,7	64212	1	1	1	782,8789	1563,743	2
23	49,7	64215	1	1	1	782,881	1563,748	2
23	49,7	71237	1	1	1	816,8834	1631,752	2
23	49,7	71238	1	1	1	816,8848	1631,755	2
23	49,7	72837	1	1	1	824,8809	1647,747	2
23	49,7	72839	1	1	1	824,8841	1647,754	2
23	49,7	16697	1	1	1	555,9326	1664,776	3
23	49,7	74421	1	1	1	833,3957	1664,777	2
23	49,7	16700	1	1	1	555,9335	1664,779	3
23	49,7	74428	1	1	1	833,4022	1664,79	2
23	49,7	74438	1	1	1	833,4042	1664,794	2
23	49,7	74441	1	1	1	833,4053	1664,796	2
23	49,7	74442	1	1	1	833,4055	1664,797	2
23	49,7	74443	1	1	1	833,4057	1664,797	2
23	49,7	74445	1	1	1	833,4059	1664,797	2
23	49,7	74447	1	1	1	833,4066	1664,799	2
23	49,7	78992	1	1	1	855,9665	1709,918	2
23	49,7	78993	1	1	1	855,9672	1709,92	2
23	49,7	78994	1	1	1	855,9675	1709,92	2
23	49,7	78996	1	1	1	855,9688	1709,923	2
23	49,7	78997	1	1	1	855,9691	1709,924	2
23	49,7	78998	1	1	1	855,9697	1709,925	2
23	49,7	78999	1	1	1	855,9698	1709,925	2
23	49,7	79000	1	1	1	855,9704	1709,926	2
23	49,7	79002	1	1	1	855,9707	1709,927	2

23	49,7	79003	1	1	1	855,9708	1709,927	2
23	49,7	79004	1	1	1	855,9709	1709,927	2
23	49,7	79005	1	1	1	855,9712	1709,928	2
23	49,7	79007	1	1	1	855,9726	1709,931	2
23	49,7	80403	1	1	1	863,9645	1725,914	2
23	49,7	80404	1	1	1	863,9646	1725,915	2
23	49,7	80406	1	1	1	863,9647	1725,915	2
23	49,7	80412	1	1	1	863,9662	1725,918	2
23	49,7	80417	1	1	1	863,9672	1725,92	2
23	49,7	80418	1	1	1	863,9672	1725,92	2
23	49,7	80420	1	1	1	863,9675	1725,921	2
23	49,7	80426	1	1	1	863,9683	1725,922	2
23	49,7	80427	1	1	1	863,9685	1725,923	2
23	49,7	80428	1	1	1	863,9686	1725,923	2
23	49,7	80429	1	1	1	863,9686	1725,923	2
23	49,7	80432	1	1	1	863,969	1725,924	2
23	49,7	80435	1	1	1	863,9694	1725,924	2
23	49,7	84440	1	1	1	884,4808	1766,947	2
23	49,7	94911	1	1	1	941,0214	1880,028	2
23	49,7	94912	1	1	1	941,024	1880,034	2
23	49,7	94915	1	1	1	941,025	1880,036	2
23	49,7	94916	1	1	1	941,0254	1880,036	2
23	49,7	94917	1	1	1	941,0274	1880,04	2
23	49,7	96231	1	1	1	949,0202	1896,026	2
23	49,7	96232	1	1	1	949,0226	1896,031	2
23	49,7	109336	1	1	1	1034,066	2066,118	2
23	49,7	48696	1	1	1	712,3652	2134,074	3
23	49,7	48698	1	1	1	712,3654	2134,074	3
23	49,7	48699	1	1	1	712,3657	2134,075	3
23	49,7	48700	1	1	1	712,3658	2134,076	3
23	49,7	48703	1	1	1	712,3677	2134,081	3
23	49,7	71082	1	1	1	816,0389	2445,095	3
23	49,7	71083	1	1	1	816,0405	2445,1	3
23	49,7	87458	1	1	1	901,0919	2700,254	3
23	49,7	102022	1	1	1	986,137	2955,389	3
23	49,7	118946	1	1	1	1106,52	3316,539	3
23	49,7	118947	1	1	1	1106,522	3316,544	3
34	75,6	8149	1	1	1	500,2976	998,5807	2
34	75,6	11247	1	1	1	520,2765	1038,539	2
34	75,6	11256	1	1	1	520,277	1038,54	2
34	75,6	18032	1	1	1	562,3528	1122,691	2
34	75,6	30594	1	1	1	626,3837	1250,753	2
34	75,6	41506	1	1	1	677,8582	1353,702	2
34	75,6	41507	1	1	1	677,8597	1353,705	2
34	75,6	41885	1	1	1	679,8275	1357,641	2
34	75,6	41888	1	1	1	679,8278	1357,641	2
34	75,6	42559	1	1	1	682,9257	1363,837	2
34	75,6	42560	1	1	1	682,9265	1363,838	2



34	75,6	42562	1	1	1	682,9269	1363,839	2
34	75,6	47763	1	1	1	707,3772	1412,74	2
34	75,6	51809	1	1	1	725,8344	1449,654	2
34	75,6	51811	1	1	1	725,8354	1449,656	2
34	75,6	51813	1	1	1	725,8361	1449,658	2
34	75,6	51814	1	1	1	725,8368	1449,659	2
34	75,6	51815	1	1	1	725,8368	1449,659	2
34	75,6	52934	1	1	1	730,3507	1458,687	2
34	75,6	52935	1	1	1	730,3514	1458,688	2
34	75,6	52937	1	1	1	730,3516	1458,689	2
34	75,6	52940	1	1	1	730,3519	1458,689	2
34	75,6	53344	1	1	1	732,3825	1462,75	2
34	75,6	53655	1	1	1	733,8328	1465,651	2
34	75,6	53656	1	1	1	733,8329	1465,651	2
34	75,6	53664	1	1	1	733,8349	1465,655	2
34	75,6	53666	1	1	1	733,8362	1465,658	2
34	75,6	55069	1	1	1	739,4702	1476,926	2
34	75,6	55070	1	1	1	739,4705	1476,926	2
34	75,6	55071	1	1	1	739,4706	1476,927	2
34	75,6	55516	1	1	1	741,8297	1481,645	2
34	75,6	8697	1	1	1	504,2724	1509,795	3
34	75,6	58559	1	1	1	755,905	1509,796	2
34	75,6	58560	1	1	1	755,9064	1509,798	2
34	75,6	62527	1	1	1	774,8908	1547,767	2
34	75,6	62528	1	1	1	774,8912	1547,768	2
34	75,6	62530	1	1	1	774,8919	1547,769	2
34	75,6	62533	1	1	1	774,8924	1547,77	2
34	75,6	62536	1	1	1	774,894	1547,774	2
34	75,6	62540	1	1	1	774,8991	1547,784	2
34	75,6	63895	1	1	1	780,8984	1559,782	2
34	75,6	64289	1	1	1	783,352	1564,689	2
34	75,6	64291	1	1	1	783,353	1564,691	2
34	75,6	64293	1	1	1	783,3557	1564,697	2
34	75,6	64756	1	1	1	785,4012	1568,788	2
34	75,6	68665	1	1	1	804,3611	1606,708	2
34	75,6	16335	1	1	1	553,2812	1656,822	3
34	75,6	16336	1	1	1	553,2813	1656,822	3
34	75,6	16337	1	1	1	553,2814	1656,822	3
34	75,6	16338	1	1	1	553,2818	1656,824	3
34	75,6	16339	1	1	1	553,2821	1656,824	3
34	75,6	16340	1	1	1	553,2823	1656,825	3
34	75,6	16342	1	1	1	553,2824	1656,826	3
34	75,6	16344	1	1	1	553,2843	1656,831	3
34	75,6	16346	1	1	1	553,2852	1656,834	3
34	75,6	16371	1	1	1	553,6174	1657,831	3
34	75,6	17275	1	1	1	558,6144	1672,822	3
34	75,6	17276	1	1	1	558,6153	1672,824	3
34	75,6	17278	1	1	1	558,6156	1672,825	3

34	75,6	17282	1	1	1	558,618	1672,832	3
34	75,6	18519	1	1	1	565,269	1692,785	3
34	75,6	77267	1	1	1	847,4024	1692,79	2
34	75,6	77269	1	1	1	847,4026	1692,791	2
34	75,6	77272	1	1	1	847,4031	1692,792	2
34	75,6	78540	1	1	1	853,9122	1705,81	2
34	75,6	78942	1	1	1	855,4955	1708,976	2
34	75,6	20413	1	1	1	575,9676	1724,881	3
34	75,6	20414	1	1	1	575,9678	1724,882	3
34	75,6	20415	1	1	1	575,9689	1724,885	3
34	75,6	80340	1	1	1	863,45	1724,885	2
34	75,6	80344	1	1	1	863,4512	1724,888	2
34	75,6	81238	1	1	1	868,4023	1734,79	2
34	75,6	81240	1	1	1	868,4028	1734,791	2
34	75,6	81244	1	1	1	868,4044	1734,794	2
34	75,6	81245	1	1	1	868,4045	1734,794	2
34	75,6	81246	1	1	1	868,4055	1734,797	2
34	75,6	81247	1	1	1	868,4057	1734,797	2
34	75,6	81248	1	1	1	868,4061	1734,798	2
34	75,6	81250	1	1	1	868,4062	1734,798	2
34	75,6	81251	1	1	1	868,4064	1734,798	2
34	75,6	81252	1	1	1	868,4064	1734,798	2
34	75,6	81253	1	1	1	868,4066	1734,799	2
34	75,6	81254	1	1	1	868,4067	1734,799	2
34	75,6	81255	1	1	1	868,4068	1734,799	2
34	75,6	81256	1	1	1	868,407	1734,799	2
34	75,6	81258	1	1	1	868,4076	1734,801	2
34	75,6	21947	1	1	1	583,3264	1746,958	3
34	75,6	82518	1	1	1	874,4876	1746,961	2
34	75,6	82519	1	1	1	874,4912	1746,968	2
34	75,6	82527	1	1	1	874,4982	1746,982	2
34	75,6	86402	1	1	1	895,9404	1789,866	2
34	75,6	86405	1	1	1	895,9415	1789,869	2
34	75,6	86408	1	1	1	895,9431	1789,872	2
34	75,6	86409	1	1	1	895,9433	1789,872	2
34	75,6	86410	1	1	1	895,9433	1789,872	2
34	75,6	26490	1	1	1	607,3649	1819,073	3
34	75,6	36167	1	1	1	654,0376	1959,091	3
34	75,6	101304	1	1	1	980,5611	1959,108	2
34	75,6	101305	1	1	1	980,5623	1959,11	2
34	75,6	101306	1	1	1	980,563	1959,112	2
34	75,6	38384	1	1	1	663,9732	1988,898	3
34	75,6	38385	1	1	1	663,9737	1988,899	3
34	75,6	103496	1	1	1	995,457	1988,9	2
34	75,6	38386	1	1	1	663,9744	1988,902	3
34	75,6	49547	1	1	1	716,0052	2144,994	3
34	75,6	49698	1	1	1	716,39	2146,148	3
34	75,6	57344	1	1	1	750,1112	2247,312	3

34	75,6	74497	1	1	1	833,4941	2497,461	3
34	75,6	74498	1	1	1	833,4945	2497,462	3
34	75,6	99853	1	1	1	971,8169	2912,429	3
34	75,6	104374	1	1	1	1001,152	3000,433	3
19	62,2	13907	1	1	1	537,2839	1072,553	2
19	62,2	13910	1	1	1	537,2846	1072,555	2
19	62,2	13911	1	1	1	537,2846	1072,555	2
19	62,2	13912	1	1	1	537,2847	1072,555	2
19	62,2	13913	1	1	1	537,2853	1072,556	2
19	62,2	13915	1	1	1	537,2856	1072,557	2
19	62,2	17120	1	1	1	557,7657	1113,517	2
19	62,2	21290	1	1	1	579,822	1157,629	2
19	62,2	24054	1	1	1	593,8278	1185,641	2
19	62,2	27848	1	1	1	614,3061	1226,598	2
19	62,2	27849	1	1	1	614,3063	1226,598	2
19	62,2	31171	1	1	1	629,3469	1256,679	2
19	62,2	31172	1	1	1	629,347	1256,68	2
19	62,2	45489	1	1	1	697,3071	1392,6	2
19	62,2	45493	1	1	1	697,3083	1392,602	2
19	62,2	45494	1	1	1	697,3085	1392,603	2
19	62,2	45495	1	1	1	697,3093	1392,604	2
19	62,2	45496	1	1	1	697,3094	1392,604	2
19	62,2	45497	1	1	1	697,3098	1392,605	2
19	62,2	45498	1	1	1	697,31	1392,605	2
19	62,2	45500	1	1	1	697,3105	1392,607	2
19	62,2	45502	1	1	1	697,3123	1392,61	2
19	62,2	47152	1	1	1	705,3043	1408,594	2
19	62,2	47153	1	1	1	705,3052	1408,596	2
19	62,2	47155	1	1	1	705,3059	1408,597	2
19	62,2	47158	1	1	1	705,3067	1408,599	2
19	62,2	47159	1	1	1	705,3069	1408,599	2
19	62,2	47160	1	1	1	705,3071	1408,6	2
19	62,2	47161	1	1	1	705,3071	1408,6	2
19	62,2	47162	1	1	1	705,3073	1408,6	2
19	62,2	47163	1	1	1	705,3073	1408,6	2
19	62,2	47164	1	1	1	705,3073	1408,6	2
19	62,2	47165	1	1	1	705,3073	1408,6	2
19	62,2	47166	1	1	1	705,3074	1408,6	2
19	62,2	47167	1	1	1	705,3075	1408,6	2
19	62,2	47168	1	1	1	705,3075	1408,601	2
19	62,2	47169	1	1	1	705,3076	1408,601	2
19	62,2	47170	1	1	1	705,3077	1408,601	2
19	62,2	47172	1	1	1	705,3081	1408,602	2
19	62,2	47173	1	1	1	705,3081	1408,602	2
19	62,2	47174	1	1	1	705,3082	1408,602	2
19	62,2	47176	1	1	1	705,3084	1408,602	2
19	62,2	47180	1	1	1	705,3088	1408,603	2
19	62,2	47181	1	1	1	705,3088	1408,603	2

19	62,2	47183	1	1	1	705,3089	1408,603	2
19	62,2	47189	1	1	1	705,3099	1408,605	2
19	62,2	47191	1	1	1	705,3101	1408,606	2
19	62,2	47195	1	1	1	705,3106	1408,607	2
19	62,2	47197	1	1	1	705,311	1408,607	2
19	62,2	59765	1	1	1	761,3578	1520,701	2
19	62,2	59866	1	1	1	761,9068	1521,799	2
19	62,2	59867	1	1	1	761,9072	1521,8	2
19	62,2	61348	1	1	1	769,353	1536,691	2
19	62,2	61352	1	1	1	769,3549	1536,695	2
19	62,2	61354	1	1	1	769,3554	1536,696	2
19	62,2	61355	1	1	1	769,356	1536,698	2
19	62,2	68911	1	1	1	805,4484	1608,882	2
19	62,2	68912	1	1	1	805,449	1608,884	2
19	62,2	83561	1	1	1	880,4682	1758,922	2
19	62,2	98411	1	1	1	962,4588	1922,903	2
19	62,2	98412	1	1	1	962,4589	1922,903	2
19	62,2	99544	1	1	1	970,453	1938,892	2
19	62,2	99546	1	1	1	970,4546	1938,895	2
19	62,2	99549	1	1	1	970,4547	1938,895	2
19	62,2	99551	1	1	1	970,4549	1938,895	2
19	62,2	99553	1	1	1	970,4552	1938,896	2
19	62,2	99557	1	1	1	970,4556	1938,897	2
19	62,2	99558	1	1	1	970,4558	1938,897	2
19	62,2	99561	1	1	1	970,4564	1938,898	2
19	62,2	99562	1	1	1	970,4565	1938,899	2
19	62,2	100012	1	1	1	972,9991	1943,984	2
19	62,2	38398	1	1	1	663,996	1988,966	3
19	62,2	38401	1	1	1	663,9964	1988,967	3
19	62,2	38404	1	1	1	663,9972	1988,97	3
19	62,2	38405	1	1	1	663,9976	1988,971	3
19	62,2	38407	1	1	1	663,9982	1988,973	3
19	62,2	38408	1	1	1	663,9982	1988,973	3
19	62,2	38409	1	1	1	663,9983	1988,973	3
19	62,2	38410	1	1	1	663,9983	1988,973	3
19	62,2	38411	1	1	1	663,9985	1988,974	3
19	62,2	51738	1	1	1	725,3716	2173,093	3
19	62,2	133569	1	1	1	1406,75	2811,486	2
19	62,2	117896	1	1	1	1096,87	3287,587	3
19	62,2	117897	1	1	1	1096,87	3287,589	3
19	62,2	122783	1	1	1	1144,544	3430,61	3
19	62,2	133838	1	1	1	1454,025	4359,053	3
20	88,1	14687	1	1	1	542,8234	1083,632	2
20	88,1	14690	1	1	1	542,8242	1083,634	2
20	88,1	16660	1	1	1	555,7826	1109,551	2
20	88,1	16663	1	1	1	555,7846	1109,555	2
20	88,1	22301	1	1	1	585,3242	1168,634	2
20	88,1	22303	1	1	1	585,3256	1168,637	2

20	88,1	22312	1	1	1	585,3282	1168,642	2
20	88,1	26487	1	1	1	607,3451	1212,676	2
20	88,1	27443	1	1	1	612,3235	1222,633	2
20	88,1	27451	1	1	1	612,3273	1222,64	2
20	88,1	38564	1	1	1	664,8552	1327,696	2
20	88,1	38566	1	1	1	664,8589	1327,703	2
20	88,1	38567	1	1	1	664,8591	1327,704	2
20	88,1	38571	1	1	1	664,8595	1327,704	2
20	88,1	39518	1	1	1	668,8646	1335,715	2
20	88,1	39524	1	1	1	668,8666	1335,719	2
20	88,1	39525	1	1	1	668,8667	1335,719	2
20	88,1	39526	1	1	1	668,8669	1335,719	2
20	88,1	39529	1	1	1	668,8672	1335,72	2
20	88,1	39532	1	1	1	668,8675	1335,72	2
20	88,1	39534	1	1	1	668,8677	1335,721	2
20	88,1	39537	1	1	1	668,868	1335,722	2
20	88,1	39538	1	1	1	668,8681	1335,722	2
20	88,1	39539	1	1	1	668,8681	1335,722	2
20	88,1	39540	1	1	1	668,8687	1335,723	2
20	88,1	39541	1	1	1	668,8694	1335,724	2
20	88,1	39542	1	1	1	668,8695	1335,724	2
20	88,1	39543	1	1	1	668,8701	1335,726	2
20	88,1	41690	1	1	1	678,8672	1355,72	2
20	88,1	49701	1	1	1	716,3918	1430,769	2
20	88,1	49704	1	1	1	716,3936	1430,773	2
20	88,1	49708	1	1	1	716,3944	1430,774	2
20	88,1	54119	1	1	1	735,4136	1468,813	2
20	88,1	69702	1	1	1	808,947	1615,879	2
20	88,1	80772	1	1	1	865,4888	1728,963	2
20	88,1	81057	1	1	1	866,9622	1731,91	2
20	88,1	81059	1	1	1	866,9631	1731,912	2
20	88,1	81060	1	1	1	866,9632	1731,912	2
20	88,1	81061	1	1	1	866,9634	1731,912	2
20	88,1	81062	1	1	1	866,9635	1731,912	2
20	88,1	81064	1	1	1	866,9636	1731,913	2
20	88,1	81067	1	1	1	866,964	1731,914	2
20	88,1	81071	1	1	1	866,965	1731,915	2
20	88,1	81074	1	1	1	866,9669	1731,919	2
20	88,1	81077	1	1	1	866,9673	1731,92	2
20	88,1	81079	1	1	1	866,9687	1731,923	2
20	88,1	82563	1	1	1	874,964	1747,914	2
20	88,1	28027	1	1	1	615,3361	1842,986	3
20	88,1	91764	1	1	1	922,5108	1843,007	2
20	88,1	41430	1	1	1	677,3645	2029,072	3
20	88,1	41431	1	1	1	677,3648	2029,073	3
20	88,1	41432	1	1	1	677,365	2029,073	3
20	88,1	41433	1	1	1	677,3665	2029,078	3
20	88,1	106493	1	1	1	1015,55	2029,085	2

20	88,1	106494	1	1	1	1015,55	2029,086	2
20	88,1	106497	1	1	1	1015,551	2029,087	2
20	88,1	109298	1	1	1	1033,554	2065,093	2
20	88,1	71664	1	1	1	819,4259	2455,256	3
20	88,1	71665	1	1	1	819,4266	2455,258	3
20	88,1	128981	1	1	1	1228,638	2455,261	2
20	88,1	128982	1	1	1	1228,639	2455,263	2
20	88,1	71667	1	1	1	819,429	2455,265	3
20	88,1	71668	1	1	1	819,4291	2455,266	3
20	88,1	128983	1	1	1	1228,643	2455,271	2
20	88,1	71671	1	1	1	819,4309	2455,271	3
20	88,1	128984	1	1	1	1228,643	2455,272	2
20	88,1	131630	1	1	1	1294,158	2586,301	2
20	88,1	131632	1	1	1	1294,159	2586,304	2
20	88,1	97699	1	1	1	958,2009	2871,581	3
20	88,1	97700	1	1	1	958,2021	2871,585	3
20	88,1	97702	1	1	1	958,2051	2871,593	3
20	88,1	106870	1	1	1	1017,548	3049,622	3
23	49,7	876	1	1	1	407,7136	813,4127	2
23	49,7	878	1	1	1	407,7146	813,4147	2
23	49,7	879	1	1	1	407,7147	813,4148	2
23	49,7	882	1	1	1	407,7148	813,415	2
23	49,7	883	1	1	1	407,7149	813,4153	2
23	49,7	884	1	1	1	407,7151	813,4156	2
23	49,7	950	1	1	1	409,2072	816,3998	2
23	49,7	951	1	1	1	409,2072	816,3999	2
23	49,7	952	1	1	1	409,2073	816,4	2
23	49,7	954	1	1	1	409,208	816,4014	2
23	49,7	1557	1	1	1	426,2366	850,4587	2
23	49,7	4186	1	1	1	466,7208	931,427	2
23	49,7	6865	1	1	1	490,2832	978,5518	2
23	49,7	11703	1	1	1	523,2629	1044,511	2
23	49,7	14273	1	1	1	539,8181	1077,622	2
23	49,7	15748	1	1	1	549,8063	1097,598	2
23	49,7	18276	1	1	1	563,8084	1125,602	2
23	49,7	304	1	1	1	381,5279	1141,562	3
23	49,7	19665	1	1	1	571,7897	1141,565	2
23	49,7	19666	1	1	1	571,7903	1141,566	2
23	49,7	19667	1	1	1	571,7908	1141,567	2
23	49,7	19668	1	1	1	571,791	1141,567	2
23	49,7	22304	1	1	1	585,3259	1168,637	2
23	49,7	29352	1	1	1	621,3239	1240,633	2
23	49,7	35426	1	1	1	649,8303	1297,646	2
23	49,7	35431	1	1	1	649,8335	1297,653	2
23	49,7	35432	1	1	1	649,8337	1297,653	2
23	49,7	35433	1	1	1	649,8341	1297,654	2
23	49,7	35436	1	1	1	649,8348	1297,655	2
23	49,7	35437	1	1	1	649,8354	1297,656	2

23	49,7	35439	1	1	1	649,8365	1297,658	2
23	49,7	35441	1	1	1	649,8388	1297,663	2
23	49,7	38346	1	1	1	663,8461	1325,678	2
23	49,7	43678	1	1	1	687,8315	1373,648	2
23	49,7	44800	1	1	1	693,3489	1384,683	2
23	49,7	44801	1	1	1	693,3492	1384,684	2
23	49,7	44802	1	1	1	693,3502	1384,686	2
23	49,7	50609	1	1	1	720,8704	1439,726	2
23	49,7	61642	1	1	1	770,4045	1538,794	2
23	49,7	61644	1	1	1	770,4049	1538,795	2
23	49,7	61645	1	1	1	770,4051	1538,796	2
23	49,7	61647	1	1	1	770,4054	1538,796	2
23	49,7	91106	1	1	1	919,9605	1837,906	2
23	49,7	91121	1	1	1	919,9657	1837,917	2
23	49,7	91124	1	1	1	919,9664	1837,918	2
23	49,7	91125	1	1	1	919,9665	1837,918	2
23	49,7	91128	1	1	1	919,9667	1837,919	2
23	49,7	91129	1	1	1	919,9669	1837,919	2
23	49,7	91131	1	1	1	919,9676	1837,921	2
23	49,7	91132	1	1	1	919,9677	1837,921	2
23	49,7	91134	1	1	1	919,9682	1837,922	2
23	49,7	91135	1	1	1	919,9682	1837,922	2
23	49,7	91136	1	1	1	919,9684	1837,922	2
23	49,7	91139	1	1	1	919,9691	1837,924	2
23	49,7	91140	1	1	1	919,9691	1837,924	2
23	49,7	91142	1	1	1	919,9693	1837,924	2
23	49,7	91143	1	1	1	919,9693	1837,924	2
23	49,7	91145	1	1	1	919,9694	1837,924	2
23	49,7	91146	1	1	1	919,9696	1837,925	2
23	49,7	91148	1	1	1	919,97	1837,925	2
23	49,7	91149	1	1	1	919,9702	1837,926	2
23	49,7	92611	1	1	1	927,9609	1853,907	2
23	49,7	92614	1	1	1	927,9617	1853,909	2
23	49,7	92616	1	1	1	927,9619	1853,909	2
23	49,7	92618	1	1	1	927,963	1853,912	2
23	49,7	92622	1	1	1	927,9639	1853,913	2
23	49,7	92624	1	1	1	927,9645	1853,914	2
23	49,7	92625	1	1	1	927,9645	1853,915	2
23	49,7	92626	1	1	1	927,9646	1853,915	2
23	49,7	92627	1	1	1	927,9647	1853,915	2
23	49,7	92630	1	1	1	927,9651	1853,916	2
23	49,7	92637	1	1	1	927,9655	1853,916	2
23	49,7	92638	1	1	1	927,9656	1853,917	2
23	49,7	92640	1	1	1	927,9658	1853,917	2
23	49,7	92641	1	1	1	927,9658	1853,917	2
23	49,7	96219	1	1	1	948,9788	1895,943	2
23	49,7	46851	1	1	1	703,6996	2108,077	3
23	49,7	112400	1	1	1	1055,05	2108,086	2

23	49,7	74077	1	1	1	831,1071	2490,3	3
23	49,7	107310	1	1	1	1020,871	3059,591	3
23	49,7	107311	1	1	1	1020,872	3059,593	3
27	65,9	22317	1	1	1	585,3323	1168,65	2
27	65,9	29434	1	1	1	621,829	1241,644	2
27	65,9	33213	1	1	1	639,3233	1276,632	2
27	65,9	33216	1	1	1	639,3259	1276,637	2
27	65,9	35534	1	1	1	650,3408	1298,667	2
27	65,9	41435	1	1	1	677,3711	1352,728	2
27	65,9	42175	1	1	1	681,3388	1360,663	2
27	65,9	42176	1	1	1	681,3393	1360,664	2
27	65,9	42239	1	1	1	681,3652	1360,716	2
27	65,9	42242	1	1	1	681,3667	1360,719	2
27	65,9	46180	1	1	1	700,8668	1399,719	2
27	65,9	46181	1	1	1	700,8674	1399,72	2
27	65,9	50401	1	1	1	720,3291	1438,644	2
27	65,9	50705	1	1	1	721,3418	1440,669	2
27	65,9	53267	1	1	1	731,8816	1461,749	2
27	65,9	57414	1	1	1	750,4004	1498,786	2
27	65,9	57415	1	1	1	750,4006	1498,787	2
27	65,9	57418	1	1	1	750,4019	1498,789	2
27	65,9	58749	1	1	1	756,4017	1510,789	2
27	65,9	65556	1	1	1	789,3952	1576,776	2
27	65,9	69271	1	1	1	806,944	1611,873	2
27	65,9	74739	1	1	1	834,4512	1666,888	2
27	65,9	75483	1	1	1	838,394	1674,773	2
27	65,9	20420	1	1	1	575,987	1724,939	3
27	65,9	20421	1	1	1	575,9895	1724,947	3
27	65,9	80363	1	1	1	863,4829	1724,951	2
27	65,9	80364	1	1	1	863,4831	1724,952	2
27	65,9	20422	1	1	1	575,9914	1724,952	3
27	65,9	80365	1	1	1	863,4839	1724,953	2
27	65,9	80366	1	1	1	863,4849	1724,955	2
27	65,9	80367	1	1	1	863,4874	1724,96	2
27	65,9	40007	1	1	1	671,7052	2012,094	3
27	65,9	64240	1	1	1	783,0259	2346,056	3
27	65,9	64241	1	1	1	783,0259	2346,056	3
27	65,9	64242	1	1	1	783,027	2346,059	3
27	65,9	64243	1	1	1	783,0272	2346,06	3
27	65,9	64703	1	1	1	785,05	2352,128	3
27	65,9	64705	1	1	1	785,0519	2352,134	3
27	65,9	81611	1	1	1	869,7459	2606,216	3
27	65,9	81612	1	1	1	869,7472	2606,22	3
27	65,9	81613	1	1	1	869,7473	2606,22	3
27	65,9	131897	1	1	1	1304,118	2606,22	2
27	65,9	81614	1	1	1	869,7479	2606,222	3
27	65,9	81615	1	1	1	869,7487	2606,224	3
27	65,9	81616	1	1	1	869,7492	2606,226	3



27	65,9	81618	1	1	1	869,7524	2606,235	3
27	65,9	132927	1	1	1	1348,184	2694,353	2
27	65,9	92355	1	1	1	926,4701	2776,388	3
27	65,9	92356	1	1	1	926,4702	2776,389	3
27	65,9	92363	1	1	1	926,4724	2776,395	3
27	65,9	92365	1	1	1	926,4731	2776,398	3
27	65,9	92368	1	1	1	926,4738	2776,4	3
27	65,9	92369	1	1	1	926,4739	2776,4	3
27	65,9	92371	1	1	1	926,4743	2776,401	3
27	65,9	92372	1	1	1	926,4747	2776,402	3
27	65,9	92373	1	1	1	926,4748	2776,403	3
27	65,9	94287	1	1	1	937,8021	2810,384	3
27	65,9	125025	1	1	1	1172,577	3514,708	3
27	65,9	127948	1	1	1	1215,302	3642,883	3
27	65,9	127952	1	1	1	1215,304	3642,89	3
27	65,9	127953	1	1	1	1215,304	3642,891	3
33	52,5	15854	1	1	1	550,3332	1098,652	2
33	52,5	16129	1	1	1	551,8134	1101,612	2
33	52,5	16131	1	1	1	551,8136	1101,613	2
33	52,5	23316	1	1	1	590,3442	1178,674	2
33	52,5	24899	1	1	1	599,2679	1196,521	2
33	52,5	24900	1	1	1	599,2693	1196,524	2
33	52,5	24901	1	1	1	599,2694	1196,524	2
33	52,5	24902	1	1	1	599,2699	1196,525	2
33	52,5	26418	1	1	1	607,2661	1212,518	2
33	52,5	26572	1	1	1	607,8618	1213,709	2
33	52,5	27381	1	1	1	612,2833	1222,552	2
33	52,5	30399	1	1	1	625,8319	1249,649	2
33	52,5	32595	1	1	1	636,3257	1270,637	2
33	52,5	35959	1	1	1	652,8301	1303,646	2
33	52,5	41464	1	1	1	677,8023	1353,59	2
33	52,5	44132	1	1	1	690,3514	1378,688	2
33	52,5	46191	1	1	1	700,8749	1399,735	2
33	52,5	46193	1	1	1	700,8769	1399,739	2
33	52,5	53688	1	1	1	733,8662	1465,718	2
33	52,5	53689	1	1	1	733,8662	1465,718	2
33	52,5	53690	1	1	1	733,8665	1465,718	2
33	52,5	53692	1	1	1	733,8676	1465,721	2
33	52,5	53694	1	1	1	733,8693	1465,724	2
33	52,5	53695	1	1	1	733,8694	1465,724	2
33	52,5	53697	1	1	1	733,8699	1465,725	2
33	52,5	53699	1	1	1	733,8706	1465,727	2
33	52,5	60479	1	1	1	764,9211	1527,828	2
33	52,5	9572	1	1	1	510,2843	1527,831	3
33	52,5	60484	1	1	1	764,9246	1527,835	2
33	52,5	12077	1	1	1	525,2796	1572,817	3
33	52,5	12086	1	1	1	525,2808	1572,821	3
33	52,5	12090	1	1	1	525,2823	1572,825	3

33	52,5	12091	1	1	1	525,2829	1572,827	3
33	52,5	74044	1	1	1	830,9107	1659,807	2
33	52,5	74045	1	1	1	830,9115	1659,808	2
33	52,5	74774	1	1	1	834,8817	1667,749	2
33	52,5	80743	1	1	1	865,4454	1728,876	2
33	52,5	24170	1	1	1	594,618	1780,832	3
33	52,5	85583	1	1	1	891,4234	1780,832	2
33	52,5	86316	1	1	1	895,4338	1788,853	2
33	52,5	24751	1	1	1	598,2988	1791,875	3
33	52,5	24753	1	1	1	598,2998	1791,878	3
33	52,5	90302	1	1	1	915,9525	1829,89	2
33	52,5	90307	1	1	1	915,957	1829,899	2
33	52,5	90308	1	1	1	915,957	1829,899	2
33	52,5	90309	1	1	1	915,9571	1829,9	2
33	52,5	90310	1	1	1	915,9572	1829,9	2
33	52,5	90311	1	1	1	915,9579	1829,901	2
33	52,5	90312	1	1	1	915,958	1829,902	2
33	52,5	90313	1	1	1	915,9595	1829,905	2
33	52,5	91521	1	1	1	921,99	1841,966	2
33	52,5	96553	1	1	1	951,4508	1900,887	2
33	52,5	96570	1	1	1	951,4577	1900,901	2
33	52,5	96574	1	1	1	951,4586	1900,903	2
33	52,5	103786	1	1	1	997,4615	1992,908	2
33	52,5	103787	1	1	1	997,4615	1992,908	2
33	52,5	103788	1	1	1	997,4647	1992,915	2
33	52,5	40411	1	1	1	673,325	2016,953	3
33	52,5	111776	1	1	1	1050,537	2099,058	2
33	52,5	111778	1	1	1	1050,538	2099,061	2
33	52,5	46293	1	1	1	701,3635	2101,069	3
33	52,5	117517	1	1	1	1093,05	2184,086	2
33	52,5	66390	1	1	1	793,4135	2377,219	3
33	52,5	66391	1	1	1	793,4145	2377,222	3
33	52,5	66393	1	1	1	793,4157	2377,225	3
33	52,5	66397	1	1	1	793,4169	2377,229	3
33	52,5	81721	1	1	1	870,4223	2608,245	3
33	52,5	81722	1	1	1	870,4225	2608,246	3
33	52,5	81723	1	1	1	870,4225	2608,246	3
33	52,5	84079	1	1	1	883,141	2646,401	3
33	52,5	84956	1	1	1	888,1526	2661,436	3
31	61,2	11449	1	1	1	522,2517	1042,489	2
31	61,2	37302	1	1	1	659,3223	1316,63	2
31	61,2	37303	1	1	1	659,3225	1316,631	2
31	61,2	37880	1	1	1	662,2833	1322,552	2
31	61,2	46618	1	1	1	702,8382	1403,662	2
31	61,2	46621	1	1	1	702,8388	1403,663	2
31	61,2	46622	1	1	1	702,8392	1403,664	2
31	61,2	60817	1	1	1	766,8682	1531,722	2
31	61,2	60821	1	1	1	766,8706	1531,727	2

31	61,2	60950	1	1	1	767,3828	1532,751	2
31	61,2	66457	1	1	1	793,888	1585,761	2
31	61,2	66463	1	1	1	793,8904	1585,766	2
31	61,2	13100	1	1	1	531,9092	1592,706	3
31	61,2	67141	1	1	1	797,3691	1592,724	2
31	61,2	68225	1	1	1	801,8853	1601,756	2
31	61,2	68227	1	1	1	801,886	1601,758	2
31	61,2	75932	1	1	1	840,4036	1678,793	2
31	61,2	75933	1	1	1	840,404	1678,793	2
31	61,2	75940	1	1	1	840,4055	1678,796	2
31	61,2	75942	1	1	1	840,4062	1678,798	2
31	61,2	75944	1	1	1	840,4079	1678,801	2
31	61,2	78539	1	1	1	853,9118	1705,809	2
31	61,2	86822	1	1	1	897,9146	1793,815	2
31	61,2	87071	1	1	1	899,4562	1796,898	2
31	61,2	88093	1	1	1	904,4359	1806,857	2
31	61,2	92816	1	1	1	928,5091	1855,004	2
31	61,2	31811	1	1	1	632,626	1894,856	3
31	61,2	31812	1	1	1	632,6261	1894,857	3
31	61,2	96062	1	1	1	948,4382	1894,862	2
31	61,2	96063	1	1	1	948,4391	1894,864	2
31	61,2	96065	1	1	1	948,4403	1894,866	2
31	61,2	100989	1	1	1	979,0045	1955,995	2
31	61,2	101908	1	1	1	985,0503	1968,086	2
31	61,2	107049	1	1	1	1018,51	2035,005	2
31	61,2	107053	1	1	1	1018,513	2035,012	2
31	61,2	107302	1	1	1	1020,57	2039,126	2
31	61,2	42497	1	1	1	682,6541	2044,94	3
31	61,2	109384	1	1	1	1034,511	2067,008	2
31	61,2	110847	1	1	1	1044,507	2086,999	2
31	61,2	110849	1	1	1	1044,508	2087,002	2
31	61,2	49431	1	1	1	715,6761	2144,006	3
31	61,2	53626	1	1	1	733,4019	2197,184	3
31	61,2	118198	1	1	1	1099,6	2197,186	2
31	61,2	118199	1	1	1	1099,6	2197,186	2
31	61,2	60442	1	1	1	764,7029	2291,087	3
31	61,2	61014	1	1	1	767,7188	2300,135	3
31	61,2	61015	1	1	1	767,7192	2300,136	3
31	61,2	61446	1	1	1	769,7174	2306,13	3
31	61,2	61447	1	1	1	769,7176	2306,131	3
31	61,2	61448	1	1	1	769,7181	2306,132	3
31	61,2	62804	1	1	1	776,0217	2325,043	3
31	61,2	89479	1	1	1	911,4334	2731,279	3
31	61,2	89480	1	1	1	911,4348	2731,283	3
31	61,2	96379	1	1	1	950,1553	2847,444	3
31	61,2	114301	1	1	1	1069,532	3205,573	3
18	47,6	3820	1	1	1	463,2797	924,5448	2
18	47,6	12395	1	1	1	527,802	1053,589	2

18	47,6	20729	1	1	1	577,337	1152,66	2
18	47,6	25775	1	1	1	603,8069	1205,599	2
18	47,6	30704	1	1	1	626,8718	1251,729	2
18	47,6	30705	1	1	1	626,8721	1251,73	2
18	47,6	30706	1	1	1	626,8739	1251,733	2
18	47,6	31012	1	1	1	628,8234	1255,632	2
18	47,6	31016	1	1	1	628,8237	1255,633	2
18	47,6	31017	1	1	1	628,8238	1255,633	2
18	47,6	31020	1	1	1	628,8241	1255,634	2
18	47,6	31023	1	1	1	628,8244	1255,634	2
18	47,6	31029	1	1	1	628,8257	1255,637	2
18	47,6	31031	1	1	1	628,8262	1255,638	2
18	47,6	42522	1	1	1	682,842	1363,669	2
18	47,6	42524	1	1	1	682,8423	1363,67	2
18	47,6	42525	1	1	1	682,8424	1363,67	2
18	47,6	42526	1	1	1	682,8431	1363,672	2
18	47,6	42527	1	1	1	682,8434	1363,672	2
18	47,6	42530	1	1	1	682,8443	1363,674	2
18	47,6	42531	1	1	1	682,8444	1363,674	2
18	47,6	42532	1	1	1	682,8447	1363,675	2
18	47,6	42533	1	1	1	682,8451	1363,676	2
18	47,6	42535	1	1	1	682,8451	1363,676	2
18	47,6	42536	1	1	1	682,8453	1363,676	2
18	47,6	42537	1	1	1	682,8458	1363,677	2
18	47,6	42538	1	1	1	682,8462	1363,678	2
18	47,6	42540	1	1	1	682,8466	1363,679	2
18	47,6	42546	1	1	1	682,8501	1363,686	2
18	47,6	43588	1	1	1	687,3413	1372,668	2
18	47,6	43589	1	1	1	687,3415	1372,668	2
18	47,6	44282	1	1	1	690,8403	1379,666	2
18	47,6	44285	1	1	1	690,8421	1379,67	2
18	47,6	44286	1	1	1	690,8426	1379,671	2
18	47,6	44287	1	1	1	690,8426	1379,671	2
18	47,6	44288	1	1	1	690,8427	1379,671	2
18	47,6	44289	1	1	1	690,843	1379,672	2
18	47,6	44290	1	1	1	690,8431	1379,672	2
18	47,6	44291	1	1	1	690,8432	1379,672	2
18	47,6	44292	1	1	1	690,8432	1379,672	2
18	47,6	44294	1	1	1	690,8433	1379,672	2
18	47,6	44296	1	1	1	690,8437	1379,673	2
18	47,6	44299	1	1	1	690,8439	1379,673	2
18	47,6	44300	1	1	1	690,8442	1379,674	2
18	47,6	44301	1	1	1	690,8442	1379,674	2
18	47,6	44305	1	1	1	690,8452	1379,676	2
18	47,6	44306	1	1	1	690,8452	1379,676	2
18	47,6	44319	1	1	1	690,8489	1379,683	2
18	47,6	48600	1	1	1	711,8577	1421,701	2
18	47,6	48601	1	1	1	711,8578	1421,701	2

18	47,6	48603	1	1	1	711,8589	1421,703	2
18	47,6	49651	1	1	1	716,3673	1430,72	2
18	47,6	59709	1	1	1	760,8745	1519,734	2
18	47,6	63761	1	1	1	780,3927	1558,771	2
18	47,6	63764	1	1	1	780,3949	1558,775	2
18	47,6	63768	1	1	1	780,3952	1558,776	2
18	47,6	63770	1	1	1	780,3957	1558,777	2
18	47,6	63771	1	1	1	780,3957	1558,777	2
18	47,6	63772	1	1	1	780,3957	1558,777	2
18	47,6	74051	1	1	1	830,9302	1659,846	2
18	47,6	74060	1	1	1	830,9324	1659,85	2
18	47,6	74062	1	1	1	830,9328	1659,851	2
18	47,6	74063	1	1	1	830,933	1659,852	2
18	47,6	74064	1	1	1	830,9333	1659,852	2
18	47,6	82745	1	1	1	875,9171	1749,82	2
18	47,6	23417	1	1	1	590,9976	1769,971	3
18	47,6	86007	1	1	1	893,9594	1785,904	2
18	47,6	86008	1	1	1	893,9601	1785,906	2
18	47,6	86009	1	1	1	893,9606	1785,907	2
18	47,6	86011	1	1	1	893,9619	1785,909	2
18	47,6	86012	1	1	1	893,962	1785,91	2
18	47,6	86013	1	1	1	893,9632	1785,912	2
18	47,6	30022	1	1	1	624,0266	1869,058	3
18	47,6	36912	1	1	1	657,7194	1970,136	3
18	47,6	36913	1	1	1	657,7195	1970,137	3
18	47,6	125518	1	1	1	1179,063	2356,111	2
18	47,6	64915	1	1	1	786,378	2356,112	3
18	47,6	125519	1	1	1	1179,066	2356,118	2
17	46	23014	1	1	1	589,3098	1176,605	2
17	46	24381	1	1	1	595,8439	1189,673	2
17	46	25833	1	1	1	604,2638	1206,513	2
17	46	36106	1	1	1	653,7981	1305,582	2
17	46	43867	1	1	1	688,3842	1374,754	2
17	46	43868	1	1	1	688,3842	1374,754	2
17	46	43870	1	1	1	688,3856	1374,757	2
17	46	43871	1	1	1	688,3862	1374,758	2
17	46	43872	1	1	1	688,3864	1374,758	2
17	46	44424	1	1	1	691,3458	1380,677	2
17	46	44427	1	1	1	691,3469	1380,679	2
17	46	44430	1	1	1	691,3477	1380,681	2
17	46	44432	1	1	1	691,3492	1380,684	2
17	46	51098	1	1	1	722,8555	1443,697	2
17	46	54907	1	1	1	738,8546	1475,695	2
17	46	73908	1	1	1	830,406	1658,797	2
17	46	83412	1	1	1	879,9407	1757,867	2
17	46	89020	1	1	1	908,9604	1815,906	2
17	46	98785	1	1	1	964,9943	1927,974	2
17	46	123009	1	1	1	1147,063	2292,111	2

17	46	95213	1	1	1	942,8225	2825,446	3
17	46	95214	1	1	1	942,8256	2825,455	3
17	46	133879	1	1	1	1460,191	2918,367	2
17	46	133881	1	1	1	1460,195	2918,376	2
17	46	133882	1	1	1	1460,197	2918,379	2
17	46	133883	1	1	1	1460,197	2918,379	2
17	46	133884	1	1	1	1460,197	2918,38	2
17	46	133885	1	1	1	1460,198	2918,381	2
17	46	133886	1	1	1	1460,198	2918,382	2
17	46	100124	1	1	1	973,8022	2918,385	3
17	46	100125	1	1	1	973,8048	2918,393	3
17	46	100126	1	1	1	973,8049	2918,393	3
17	46	100127	1	1	1	973,8056	2918,395	3
17	46	100128	1	1	1	973,8078	2918,402	3
17	46	100129	1	1	1	973,8081	2918,402	3
17	46	120843	1	1	1	1124,563	3370,668	3
17	46	120847	1	1	1	1124,566	3370,675	3
17	46	120848	1	1	1	1124,566	3370,675	3
17	46	120849	1	1	1	1124,566	3370,676	3
17	46	120851	1	1	1	1124,567	3370,68	3
17	46	123559	1	1	1	1154,568	3460,681	3
20	67,7	4754	1	1	1	472,3045	942,5944	2
20	67,7	6801	1	1	1	489,7871	977,5596	2
20	67,7	9283	1	1	1	507,8225	1013,63	2
20	67,7	9284	1	1	1	507,8225	1013,631	2
20	67,7	9285	1	1	1	507,8226	1013,631	2
20	67,7	19688	1	1	1	571,8522	1141,69	2
20	67,7	21926	1	1	1	583,3064	1164,598	2
20	67,7	21928	1	1	1	583,3079	1164,601	2
20	67,7	23481	1	1	1	591,3036	1180,593	2
20	67,7	24011	1	1	1	593,7965	1185,579	2
20	67,7	24012	1	1	1	593,7966	1185,579	2
20	67,7	24015	1	1	1	593,7969	1185,579	2
20	67,7	24017	1	1	1	593,797	1185,579	2
20	67,7	24018	1	1	1	593,7974	1185,58	2
20	67,7	24019	1	1	1	593,7974	1185,58	2
20	67,7	24022	1	1	1	593,7978	1185,581	2
20	67,7	24023	1	1	1	593,7978	1185,581	2
20	67,7	25394	1	1	1	601,7919	1201,569	2
20	67,7	25410	1	1	1	601,7948	1201,575	2
20	67,7	25413	1	1	1	601,7949	1201,575	2
20	67,7	25416	1	1	1	601,795	1201,576	2
20	67,7	25421	1	1	1	601,7953	1201,576	2
20	67,7	28771	1	1	1	618,8265	1235,638	2
20	67,7	28772	1	1	1	618,8265	1235,639	2
20	67,7	30390	1	1	1	625,8285	1249,642	2
20	67,7	31044	1	1	1	628,8748	1255,735	2
20	67,7	31045	1	1	1	628,8748	1255,735	2

20	67,7	31047	1	1	1	628,875	1255,736	2
20	67,7	31048	1	1	1	628,8752	1255,736	2
20	67,7	31049	1	1	1	628,8755	1255,737	2
20	67,7	31050	1	1	1	628,8755	1255,737	2
20	67,7	40961	1	1	1	675,3702	1348,726	2
20	67,7	40962	1	1	1	675,3704	1348,726	2
20	67,7	45684	1	1	1	698,3095	1394,605	2
20	67,7	45685	1	1	1	698,3097	1394,605	2
20	67,7	45688	1	1	1	698,3105	1394,606	2
20	67,7	59657	1	1	1	760,4232	1518,832	2
20	67,7	59658	1	1	1	760,4233	1518,832	2
20	67,7	59659	1	1	1	760,4234	1518,832	2
20	67,7	59660	1	1	1	760,4234	1518,832	2
20	67,7	61222	1	1	1	768,4216	1534,829	2
20	67,7	68698	1	1	1	804,3859	1606,757	2
20	67,7	23923	1	1	1	593,29	1776,848	3
20	67,7	23924	1	1	1	593,2905	1776,85	3
20	67,7	23926	1	1	1	593,2919	1776,854	3
20	67,7	23927	1	1	1	593,2921	1776,855	3
20	67,7	23928	1	1	1	593,2927	1776,856	3
20	67,7	85237	1	1	1	889,4383	1776,862	2
20	67,7	85239	1	1	1	889,44	1776,865	2
20	67,7	85241	1	1	1	889,4402	1776,866	2
20	67,7	85244	1	1	1	889,4406	1776,867	2
20	67,7	85246	1	1	1	889,4416	1776,869	2
20	67,7	85249	1	1	1	889,4428	1776,871	2
20	67,7	85250	1	1	1	889,443	1776,872	2
20	67,7	36341	1	1	1	654,9959	1961,966	3
20	67,7	36342	1	1	1	654,9969	1961,969	3
20	67,7	36345	1	1	1	654,9978	1961,972	3
20	67,7	36347	1	1	1	655	1961,978	3
20	67,7	101469	1	1	1	981,9975	1961,98	2
20	67,7	125030	1	1	1	1172,581	2343,146	2
20	67,7	125031	1	1	1	1172,581	2343,148	2
20	67,7	74771	1	1	1	834,7562	2501,247	3
20	67,7	101609	1	1	1	983,1198	2946,338	3
20	67,7	101611	1	1	1	983,1205	2946,34	3
20	67,7	101612	1	1	1	983,1225	2946,346	3
20	67,7	101615	1	1	1	983,127	2946,359	3
20	67,7	115437	1	1	1	1077,511	3229,512	3
20	67,7	120243	1	1	1	1118,52	3352,538	3
17	53,2	20802	1	1	1	577,8134	1153,612	2
17	53,2	20803	1	1	1	577,8136	1153,613	2
17	53,2	21500	1	1	1	581,312	1160,61	2
17	53,2	23039	1	1	1	589,3177	1176,621	2
17	53,2	23042	1	1	1	589,3184	1176,622	2
17	53,2	23044	1	1	1	589,3215	1176,629	2
17	53,2	23045	1	1	1	589,3216	1176,629	2

17	53,2	23046	1	1	1	589,322	1176,63	2
17	53,2	24606	1	1	1	597,3178	1192,621	2
17	53,2	24608	1	1	1	597,32	1192,625	2
17	53,2	24611	1	1	1	597,3208	1192,627	2
17	53,2	42616	1	1	1	683,328	1364,641	2
17	53,2	42617	1	1	1	683,328	1364,642	2
17	53,2	42619	1	1	1	683,329	1364,643	2
17	53,2	42622	1	1	1	683,3297	1364,645	2
17	53,2	42625	1	1	1	683,3307	1364,647	2
17	53,2	42626	1	1	1	683,3311	1364,648	2
17	53,2	42627	1	1	1	683,3312	1364,648	2
17	53,2	44386	1	1	1	691,3242	1380,634	2
17	53,2	44389	1	1	1	691,3246	1380,635	2
17	53,2	44391	1	1	1	691,3247	1380,635	2
17	53,2	44392	1	1	1	691,3249	1380,635	2
17	53,2	44394	1	1	1	691,3251	1380,636	2
17	53,2	44395	1	1	1	691,3251	1380,636	2
17	53,2	44397	1	1	1	691,3252	1380,636	2
17	53,2	44398	1	1	1	691,3255	1380,636	2
17	53,2	44400	1	1	1	691,3257	1380,637	2
17	53,2	44402	1	1	1	691,3262	1380,638	2
17	53,2	44403	1	1	1	691,3268	1380,639	2
17	53,2	44406	1	1	1	691,3272	1380,64	2
17	53,2	44413	1	1	1	691,3289	1380,643	2
17	53,2	45081	1	1	1	694,8956	1387,777	2
17	53,2	52288	1	1	1	727,8836	1453,753	2
17	53,2	52295	1	1	1	727,8859	1453,757	2
17	53,2	59514	1	1	1	759,8955	1517,777	2
17	53,2	85506	1	1	1	890,9836	1779,953	2
17	53,2	85507	1	1	1	890,9845	1779,954	2
17	53,2	86989	1	1	1	898,9546	1795,895	2
17	53,2	91518	1	1	1	921,9871	1841,96	2
17	53,2	91519	1	1	1	921,9878	1841,961	2
17	53,2	91520	1	1	1	921,9879	1841,961	2
17	53,2	31943	1	1	1	633,3313	1896,972	3
17	53,2	31946	1	1	1	633,3332	1896,978	3
17	53,2	96308	1	1	1	949,4979	1896,981	2
17	53,2	96309	1	1	1	949,498	1896,981	2
17	53,2	31952	1	1	1	633,3345	1896,982	3
17	53,2	96311	1	1	1	949,4983	1896,982	2
17	53,2	98608	1	1	1	963,9861	1925,958	2
17	53,2	36648	1	1	1	656,3385	1965,994	3
17	53,2	36651	1	1	1	656,3399	1965,998	3
17	53,2	36652	1	1	1	656,3399	1965,998	3
17	53,2	36653	1	1	1	656,34	1965,998	3
17	53,2	36656	1	1	1	656,3413	1966,002	3
17	53,2	101748	1	1	1	984,01	1966,005	2
17	53,2	105439	1	1	1	1009,019	2016,024	2



17	53,2	105440	1	1	1	1009,02	2016,026	2
17	53,2	105441	1	1	1	1009,021	2016,026	2
17	53,2	111221	1	1	1	1046,048	2090,081	2
17	53,2	108234	1	1	1	1026,886	3077,636	3
17	53,2	130352	1	1	1	1259,018	3774,033	3
31	34,4	16109	1	1	1	551,7945	1101,574	2
31	34,4	16112	1	1	1	551,7948	1101,575	2
31	34,4	22389	1	1	1	585,8128	1169,611	2
31	34,4	24760	1	1	1	598,3089	1194,603	2
31	34,4	32452	1	1	1	635,3459	1268,677	2
31	34,4	33407	1	1	1	640,3331	1278,652	2
31	34,4	34365	1	1	1	644,3646	1286,715	2
31	34,4	39248	1	1	1	667,8065	1333,599	2
31	34,4	39249	1	1	1	667,8065	1333,599	2
31	34,4	39250	1	1	1	667,8071	1333,6	2
31	34,4	39251	1	1	1	667,8072	1333,6	2
31	34,4	47611	1	1	1	706,3845	1410,754	2
31	34,4	47614	1	1	1	706,3851	1410,756	2
31	34,4	48893	1	1	1	713,393	1424,771	2
31	34,4	48894	1	1	1	713,393	1424,771	2
31	34,4	58098	1	1	1	753,8931	1505,772	2
31	34,4	58187	1	1	1	754,3893	1506,764	2
31	34,4	58188	1	1	1	754,3902	1506,766	2
31	34,4	61656	1	1	1	770,415	1538,816	2
31	34,4	68999	1	1	1	805,9325	1609,851	2
31	34,4	14105	1	1	1	538,5989	1612,775	3
31	34,4	69375	1	1	1	807,4022	1612,79	2
31	34,4	69376	1	1	1	807,4033	1612,792	2
31	34,4	16541	1	1	1	554,9593	1661,856	3
31	34,4	76171	1	1	1	841,4537	1680,893	2
31	34,4	81640	1	1	1	869,9294	1737,844	2
31	34,4	83023	1	1	1	877,9258	1753,837	2
31	34,4	86847	1	1	1	897,994	1793,973	2
31	34,4	87540	1	1	1	901,4852	1800,956	2
31	34,4	26362	1	1	1	606,9539	1817,84	3
31	34,4	93874	1	1	1	935,014	1868,013	2
31	34,4	95991	1	1	1	947,5297	1893,045	2
31	34,4	35326	1	1	1	649,6531	1945,938	3
31	34,4	35327	1	1	1	649,6532	1945,938	3
31	34,4	35328	1	1	1	649,6536	1945,939	3
31	34,4	35329	1	1	1	649,6546	1945,942	3
31	34,4	101606	1	1	1	983,0488	1964,083	2
31	34,4	47556	1	1	1	706,3581	2116,052	3
31	34,4	50778	1	1	1	721,746	2162,216	3
31	34,4	115966	1	1	1	1082,117	2162,219	2
31	34,4	51728	1	1	1	725,3663	2173,077	3
31	34,4	120979	1	1	1	1125,609	2249,204	2
31	34,4	122639	1	1	1	1142,623	2283,232	2

31	34,4	59899	1	1	1	762,0868	2283,239	3
31	34,4	67376	1	1	1	798,4106	2392,21	3
31	34,4	74563	1	1	1	834,0832	2499,228	3
31	34,4	74565	1	1	1	834,0843	2499,231	3
31	34,4	74566	1	1	1	834,0845	2499,232	3
31	34,4	74568	1	1	1	834,0847	2499,232	3
31	34,4	74569	1	1	1	834,085	2499,233	3
31	34,4	74570	1	1	1	834,0852	2499,234	3
31	34,4	74571	1	1	1	834,0852	2499,234	3
31	34,4	74572	1	1	1	834,0856	2499,235	3
31	34,4	74573	1	1	1	834,0858	2499,236	3
31	34,4	74574	1	1	1	834,0867	2499,238	3
31	34,4	74576	1	1	1	834,0877	2499,241	3
19	76,4	14935	1	1	1	544,8139	1087,613	2
19	76,4	24185	1	1	1	594,7867	1187,559	2
19	76,4	25746	1	1	1	603,7481	1205,482	2
19	76,4	25747	1	1	1	603,7484	1205,482	2
19	76,4	36320	1	1	1	654,8589	1307,703	2
19	76,4	37487	1	1	1	660,2902	1318,566	2
19	76,4	37492	1	1	1	660,2911	1318,568	2
19	76,4	37494	1	1	1	660,2918	1318,569	2
19	76,4	37497	1	1	1	660,2925	1318,571	2
19	76,4	48221	1	1	1	709,821	1417,628	2
19	76,4	48225	1	1	1	709,8226	1417,631	2
19	76,4	48228	1	1	1	709,8231	1417,632	2
19	76,4	48230	1	1	1	709,8239	1417,633	2
19	76,4	48235	1	1	1	709,8244	1417,634	2
19	76,4	48239	1	1	1	709,8246	1417,635	2
19	76,4	48240	1	1	1	709,8247	1417,635	2
19	76,4	48241	1	1	1	709,8248	1417,635	2
19	76,4	48243	1	1	1	709,825	1417,635	2
19	76,4	48244	1	1	1	709,825	1417,636	2
19	76,4	48249	1	1	1	709,8254	1417,636	2
19	76,4	48250	1	1	1	709,8254	1417,636	2
19	76,4	59120	1	1	1	758,371	1514,728	2
19	76,4	60719	1	1	1	766,3678	1530,721	2
19	76,4	66039	1	1	1	791,9498	1581,885	2
19	76,4	74197	1	1	1	831,8829	1661,751	2
19	76,4	74198	1	1	1	831,8841	1661,754	2
19	76,4	16530	1	1	1	554,9255	1661,755	3
19	76,4	74201	1	1	1	831,8855	1661,757	2
19	76,4	16532	1	1	1	554,9263	1661,757	3
19	76,4	74203	1	1	1	831,8862	1661,758	2
19	76,4	74204	1	1	1	831,8865	1661,759	2
19	76,4	74205	1	1	1	831,8868	1661,759	2
19	76,4	74216	1	1	1	831,8885	1661,763	2
19	76,4	74217	1	1	1	831,8898	1661,765	2
19	76,4	74890	1	1	1	835,4745	1668,935	2

19	76,4	74892	1	1	1	835,4761	1668,938	2
19	76,4	17528	1	1	1	560,2556	1677,745	3
19	76,4	17530	1	1	1	560,2557	1677,745	3
19	76,4	17531	1	1	1	560,2558	1677,746	3
19	76,4	17532	1	1	1	560,2565	1677,748	3
19	76,4	75845	1	1	1	839,882	1677,749	2
19	76,4	75846	1	1	1	839,8821	1677,75	2
19	76,4	75849	1	1	1	839,8827	1677,751	2
19	76,4	75850	1	1	1	839,8827	1677,751	2
19	76,4	75851	1	1	1	839,8832	1677,752	2
19	76,4	17539	1	1	1	560,258	1677,752	3
19	76,4	75853	1	1	1	839,8854	1677,756	2
19	76,4	75854	1	1	1	839,8863	1677,758	2
19	76,4	75855	1	1	1	839,8864	1677,758	2
19	76,4	87245	1	1	1	899,9962	1797,978	2
19	76,4	87247	1	1	1	899,9975	1797,98	2
19	76,4	30717	1	1	1	626,9756	1877,905	3
19	76,4	94723	1	1	1	939,96	1877,905	2
19	76,4	94725	1	1	1	939,9606	1877,907	2
19	76,4	94726	1	1	1	939,9608	1877,907	2
19	76,4	107808	1	1	1	1024,08	2046,145	2
19	76,4	111800	1	1	1	1050,565	2099,116	2
19	76,4	46690	1	1	1	703,0245	2106,052	3
19	76,4	52460	1	1	1	728,7277	2183,161	3
19	76,4	117478	1	1	1	1092,597	2183,179	2
19	76,4	58115	1	1	1	754,0842	2259,231	3
19	76,4	58116	1	1	1	754,0848	2259,233	3
19	76,4	121446	1	1	1	1130,626	2259,237	2
19	76,4	58118	1	1	1	754,0872	2259,24	3
19	76,4	121449	1	1	1	1130,628	2259,241	2
19	76,4	58119	1	1	1	754,0882	2259,243	3
19	76,4	121450	1	1	1	1130,629	2259,243	2
19	76,4	58120	1	1	1	754,0887	2259,244	3
19	76,4	58121	1	1	1	754,0891	2259,245	3
19	76,4	121453	1	1	1	1130,63	2259,246	2
19	76,4	121454	1	1	1	1130,631	2259,247	2
19	76,4	121459	1	1	1	1130,634	2259,253	2
19	76,4	76992	1	1	1	846,1023	2535,285	3
19	76,4	76993	1	1	1	846,1026	2535,286	3
19	76,4	76994	1	1	1	846,1042	2535,291	3
19	76,4	76996	1	1	1	846,1054	2535,294	3
21	49,2	23047	1	1	1	589,3236	1176,633	2
21	49,2	23049	1	1	1	589,3247	1176,635	2
21	49,2	23050	1	1	1	589,3251	1176,636	2
21	49,2	29980	1	1	1	623,8409	1245,667	2
21	49,2	29981	1	1	1	623,843	1245,672	2
21	49,2	29984	1	1	1	623,8479	1245,681	2
21	49,2	34192	1	1	1	644,3335	1286,653	2

21	49,2	45062	1	1	1	694,8572	1387,7	2
21	49,2	51095	1	1	1	722,852	1443,69	2
21	49,2	53519	1	1	1	732,9088	1463,803	2
21	49,2	53520	1	1	1	732,9089	1463,803	2
21	49,2	65148	1	1	1	786,9193	1571,824	2
21	49,2	65150	1	1	1	786,9212	1571,828	2
21	49,2	65156	1	1	1	786,9245	1571,835	2
21	49,2	72457	1	1	1	822,4421	1642,87	2
21	49,2	73790	1	1	1	829,9156	1657,817	2
21	49,2	73792	1	1	1	829,9165	1657,818	2
21	49,2	73794	1	1	1	829,9176	1657,821	2
21	49,2	73795	1	1	1	829,9177	1657,821	2
21	49,2	73796	1	1	1	829,9178	1657,821	2
21	49,2	73798	1	1	1	829,9206	1657,827	2
21	49,2	73800	1	1	1	829,9208	1657,827	2
21	49,2	73801	1	1	1	829,9208	1657,827	2
21	49,2	73805	1	1	1	829,9242	1657,834	2
21	49,2	80686	1	1	1	864,9986	1727,983	2
21	49,2	22502	1	1	1	586,319	1755,935	3
21	49,2	22504	1	1	1	586,3211	1755,941	3
21	49,2	83291	1	1	1	878,9825	1755,95	2
21	49,2	83292	1	1	1	878,9831	1755,952	2
21	49,2	83294	1	1	1	878,9841	1755,954	2
21	49,2	83295	1	1	1	878,9846	1755,955	2
21	49,2	85441	1	1	1	890,4539	1778,893	2
21	49,2	88385	1	1	1	905,5224	1809,03	2
21	49,2	97795	1	1	1	958,5263	1915,038	2
21	49,2	44468	1	1	1	691,6806	2072,02	3
21	49,2	44470	1	1	1	691,6809	2072,021	3
21	49,2	44471	1	1	1	691,6812	2072,022	3
21	49,2	45021	1	1	1	694,6995	2081,077	3
21	49,2	45023	1	1	1	694,701	2081,081	3
21	49,2	45025	1	1	1	694,7031	2081,087	3
21	49,2	59224	1	1	1	758,7203	2273,139	3
21	49,2	69039	1	1	1	806,1031	2415,287	3
21	49,2	84821	1	1	1	887,1267	2658,358	3
21	49,2	84868	1	1	1	887,4634	2659,368	3
21	49,2	84870	1	1	1	887,4657	2659,375	3
21	49,2	106255	1	1	1	1014,483	3040,428	3
29	58,3	8700	1	1	1	504,2736	1006,533	2
29	58,3	18190	1	1	1	563,317	1124,62	2
29	58,3	18192	1	1	1	563,3215	1124,628	2
29	58,3	18936	1	1	1	566,8357	1131,657	2
29	58,3	18937	1	1	1	566,8357	1131,657	2
29	58,3	22529	1	1	1	586,7798	1171,545	2
29	58,3	23606	1	1	1	591,792	1181,569	2
29	58,3	24448	1	1	1	596,3368	1190,659	2
29	58,3	24449	1	1	1	596,3368	1190,659	2

29	58,3	24851	1	1	1	598,8374	1195,66	2
29	58,3	24852	1	1	1	598,8384	1195,662	2
29	58,3	24854	1	1	1	598,8409	1195,667	2
29	58,3	24991	1	1	1	599,7869	1197,559	2
29	58,3	24994	1	1	1	599,7876	1197,561	2
29	58,3	24996	1	1	1	599,788	1197,561	2
29	58,3	25008	1	1	1	599,7912	1197,568	2
29	58,3	25009	1	1	1	599,7913	1197,568	2
29	58,3	33008	1	1	1	638,3083	1274,602	2
29	58,3	35167	1	1	1	648,3728	1294,731	2
29	58,3	35168	1	1	1	648,3742	1294,734	2
29	58,3	37609	1	1	1	660,3875	1318,761	2
29	58,3	37610	1	1	1	660,3887	1318,763	2
29	58,3	45650	1	1	1	697,9082	1393,802	2
29	58,3	49276	1	1	1	714,9063	1427,798	2
29	58,3	59872	1	1	1	761,934	1521,853	2
29	58,3	59874	1	1	1	761,9351	1521,856	2
29	58,3	59875	1	1	1	761,9353	1521,856	2
29	58,3	59876	1	1	1	761,9356	1521,857	2
29	58,3	59877	1	1	1	761,936	1521,858	2
29	58,3	59879	1	1	1	761,9362	1521,858	2
29	58,3	59881	1	1	1	761,9382	1521,862	2
29	58,3	59882	1	1	1	761,9393	1521,864	2
29	58,3	63812	1	1	1	780,4267	1558,839	2
29	58,3	69799	1	1	1	809,4288	1616,843	2
29	58,3	74947	1	1	1	835,9098	1669,805	2
29	58,3	76983	1	1	1	845,9478	1689,881	2
29	58,3	85499	1	1	1	890,9606	1779,907	2
29	58,3	85500	1	1	1	890,9624	1779,91	2
29	58,3	85501	1	1	1	890,9626	1779,911	2
29	58,3	26367	1	1	1	606,992	1817,954	3
29	58,3	39055	1	1	1	666,3687	1996,084	3
29	58,3	46375	1	1	1	701,7467	2102,218	3
29	58,3	46376	1	1	1	701,747	2102,219	3
29	58,3	46377	1	1	1	701,7474	2102,22	3
29	58,3	46378	1	1	1	701,7479	2102,222	3
29	58,3	46380	1	1	1	701,7506	2102,23	3
29	58,3	48174	1	1	1	709,3817	2125,123	3
29	58,3	48177	1	1	1	709,3832	2125,128	3
29	58,3	55607	1	1	1	742,3533	2224,038	3
29	58,3	122441	1	1	1	1141,517	2281,02	2
29	58,3	60688	1	1	1	766,0843	2295,231	3
29	58,3	60689	1	1	1	766,0844	2295,231	3
29	58,3	60690	1	1	1	766,0848	2295,233	3
29	58,3	60691	1	1	1	766,0849	2295,233	3
29	58,3	123103	1	1	1	1148,625	2295,234	2
29	58,3	123104	1	1	1	1148,625	2295,235	2
29	58,3	123107	1	1	1	1148,627	2295,239	2

29	58,3	60693	1	1	1	766,0873	2295,24	3
29	58,3	123109	1	1	1	1148,629	2295,243	2
29	58,3	83376	1	1	1	879,5099	2635,508	3
29	58,3	83377	1	1	1	879,511	2635,511	3
29	58,3	103187	1	1	1	993,4883	2977,443	3
29	58,3	104786	1	1	1	1004,181	3009,52	3
29	58,3	115302	1	1	1	1076,199	3225,575	3
11	31	17583	1	1	1	560,282	1118,55	2
11	31	22525	1	1	1	586,7728	1171,531	2
11	31	34508	1	1	1	645,3347	1288,655	2
11	31	50167	1	1	1	718,8693	1435,724	2
11	31	54508	1	1	1	737,3537	1472,693	2
11	31	54509	1	1	1	737,3538	1472,693	2
11	31	54511	1	1	1	737,3553	1472,696	2
11	31	54512	1	1	1	737,3553	1472,696	2
11	31	54513	1	1	1	737,3555	1472,697	2
11	31	54514	1	1	1	737,3559	1472,697	2
11	31	54515	1	1	1	737,3562	1472,698	2
11	31	54516	1	1	1	737,3563	1472,698	2
11	31	54517	1	1	1	737,3564	1472,698	2
11	31	54518	1	1	1	737,3564	1472,698	2
11	31	54520	1	1	1	737,3568	1472,699	2
11	31	56250	1	1	1	745,3454	1488,676	2
11	31	56255	1	1	1	745,3481	1488,682	2
11	31	56259	1	1	1	745,3499	1488,685	2
11	31	56260	1	1	1	745,35	1488,685	2
11	31	56261	1	1	1	745,3502	1488,686	2
11	31	56262	1	1	1	745,3506	1488,687	2
11	31	56263	1	1	1	745,3509	1488,687	2
11	31	56264	1	1	1	745,351	1488,687	2
11	31	56265	1	1	1	745,351	1488,687	2
11	31	56266	1	1	1	745,3511	1488,688	2
11	31	56268	1	1	1	745,3512	1488,688	2
11	31	56269	1	1	1	745,3518	1488,689	2
11	31	56270	1	1	1	745,3519	1488,689	2
11	31	56272	1	1	1	745,3526	1488,691	2
11	31	56273	1	1	1	745,3528	1488,691	2
11	31	56274	1	1	1	745,353	1488,692	2
11	31	56276	1	1	1	745,3536	1488,693	2
11	31	56277	1	1	1	745,3537	1488,693	2
11	31	56281	1	1	1	745,3541	1488,694	2
11	31	56282	1	1	1	745,3541	1488,694	2
11	31	56284	1	1	1	745,3546	1488,695	2
11	31	56285	1	1	1	745,3547	1488,695	2
11	31	57976	1	1	1	753,3472	1504,68	2
11	31	57979	1	1	1	753,3489	1504,683	2
11	31	57980	1	1	1	753,3492	1504,684	2
11	31	74327	1	1	1	832,4341	1662,854	2

11	31	81194	1	1	1	867,9536	1733,893	2
11	31	93487	1	1	1	932,4732	1862,932	2
11	31	102164	1	1	1	986,9901	1971,966	2
11	31	118775	1	1	1	1104,062	2206,11	2
11	31	129249	1	1	1	1234,136	2466,257	2
11	31	129250	1	1	1	1234,137	2466,259	2
11	31	72518	1	1	1	823,0945	2466,262	3
21	69,8	14876	1	1	1	544,3036	1086,593	2
21	69,8	14881	1	1	1	544,3046	1086,595	2
21	69,8	14882	1	1	1	544,3047	1086,595	2
21	69,8	23013	1	1	1	589,3093	1176,604	2
21	69,8	23015	1	1	1	589,3099	1176,605	2
21	69,8	23016	1	1	1	589,31	1176,606	2
21	69,8	23019	1	1	1	589,3109	1176,607	2
21	69,8	23020	1	1	1	589,311	1176,608	2
21	69,8	23021	1	1	1	589,311	1176,608	2
21	69,8	23022	1	1	1	589,3111	1176,608	2
21	69,8	23023	1	1	1	589,3112	1176,608	2
21	69,8	23024	1	1	1	589,3123	1176,61	2
21	69,8	23025	1	1	1	589,3127	1176,611	2
21	69,8	23026	1	1	1	589,3128	1176,611	2
21	69,8	23028	1	1	1	589,3134	1176,612	2
21	69,8	23029	1	1	1	589,3135	1176,612	2
21	69,8	32863	1	1	1	637,3447	1272,675	2
21	69,8	32864	1	1	1	637,3473	1272,68	2
21	69,8	32865	1	1	1	637,3473	1272,68	2
21	69,8	32866	1	1	1	637,3492	1272,684	2
21	69,8	39280	1	1	1	667,8312	1333,648	2
21	69,8	46424	1	1	1	701,8695	1401,724	2
21	69,8	46426	1	1	1	701,87	1401,726	2
21	69,8	8246	1	1	1	501,2651	1500,774	3
21	69,8	57619	1	1	1	751,4012	1500,788	2
21	69,8	57622	1	1	1	751,4019	1500,789	2
21	69,8	57624	1	1	1	751,402	1500,79	2
21	69,8	57625	1	1	1	751,4023	1500,79	2
21	69,8	78430	1	1	1	852,9392	1703,864	2
21	69,8	78432	1	1	1	852,9415	1703,868	2
21	69,8	78433	1	1	1	852,9423	1703,87	2
21	69,8	78435	1	1	1	852,945	1703,875	2
21	69,8	88379	1	1	1	905,4955	1808,976	2
21	69,8	27897	1	1	1	614,3301	1839,968	3
21	69,8	27898	1	1	1	614,3305	1839,97	3
21	69,8	27899	1	1	1	614,3305	1839,97	3
21	69,8	27901	1	1	1	614,3319	1839,974	3
21	69,8	29295	1	1	1	620,9954	1859,964	3
21	69,8	29296	1	1	1	620,9955	1859,965	3
21	69,8	32616	1	1	1	636,3437	1906,009	3
21	69,8	32619	1	1	1	636,3467	1906,018	3

21	69,8	32620	1	1	1	636,3477	1906,021	3
21	69,8	96984	1	1	1	954,0256	1906,037	2
21	69,8	96985	1	1	1	954,026	1906,037	2
21	69,8	96986	1	1	1	954,0265	1906,038	2
21	69,8	34949	1	1	1	647,3517	1939,033	3
21	69,8	39052	1	1	1	666,3599	1996,058	3
21	69,8	41954	1	1	1	680,0277	2037,061	3
21	69,8	107175	1	1	1	1019,542	2037,069	2
21	69,8	63919	1	1	1	781,081	2340,221	3
21	69,8	72006	1	1	1	820,4847	2458,432	3
21	69,8	72007	1	1	1	820,485	2458,433	3
21	69,8	72008	1	1	1	820,4892	2458,446	3
21	69,8	78851	1	1	1	855,4057	2563,195	3
21	69,8	80446	1	1	1	864,1651	2589,474	3
21	69,8	94921	1	1	1	941,1059	2820,296	3
21	69,8	100178	1	1	1	974,1326	2919,376	3
21	69,8	116225	1	1	1	1084,528	3250,562	3
18	66,7	21117	1	1	1	579,3025	1156,59	2
18	66,7	21119	1	1	1	579,3033	1156,592	2
18	66,7	21123	1	1	1	579,3042	1156,594	2
18	66,7	25038	1	1	1	599,8539	1197,693	2
18	66,7	31837	1	1	1	632,8284	1263,642	2
18	66,7	34025	1	1	1	643,3509	1284,687	2
18	66,7	35562	1	1	1	650,3796	1298,745	2
18	66,7	43295	1	1	1	685,8945	1369,775	2
18	66,7	43296	1	1	1	685,898	1369,781	2
18	66,7	43297	1	1	1	685,8994	1369,784	2
18	66,7	44739	1	1	1	692,8861	1383,758	2
18	66,7	55734	1	1	1	742,9157	1483,817	2
18	66,7	65058	1	1	1	786,4283	1570,842	2
18	66,7	65061	1	1	1	786,4303	1570,846	2
18	66,7	65070	1	1	1	786,4321	1570,85	2
18	66,7	65073	1	1	1	786,4327	1570,851	2
18	66,7	65075	1	1	1	786,4331	1570,852	2
18	66,7	65076	1	1	1	786,4336	1570,853	2
18	66,7	65585	1	1	1	789,432	1576,849	2
18	66,7	75640	1	1	1	838,9715	1675,928	2
18	66,7	82564	1	1	1	874,9784	1747,942	2
18	66,7	82565	1	1	1	874,9788	1747,943	2
18	66,7	82566	1	1	1	874,9793	1747,944	2
18	66,7	82568	1	1	1	874,98	1747,945	2
18	66,7	82569	1	1	1	874,9803	1747,946	2
18	66,7	84034	1	1	1	882,4843	1762,954	2
18	66,7	88209	1	1	1	904,9598	1807,905	2
18	66,7	88210	1	1	1	904,9606	1807,907	2
18	66,7	88211	1	1	1	904,9628	1807,911	2
18	66,7	94539	1	1	1	939,0214	1876,028	2
18	66,7	34761	1	1	1	646,3378	1935,992	3



18	66,7	34764	1	1	1	646,3399	1935,998	3
18	66,7	34765	1	1	1	646,34	1935,998	3
18	66,7	35801	1	1	1	651,6694	1951,987	3
18	66,7	35802	1	1	1	651,6713	1951,992	3
18	66,7	124411	1	1	1	1166,522	2331,03	2
18	66,7	124413	1	1	1	1166,524	2331,034	2
18	66,7	124415	1	1	1	1166,525	2331,036	2
18	66,7	124419	1	1	1	1166,526	2331,038	2
18	66,7	124420	1	1	1	1166,527	2331,039	2
18	66,7	80194	1	1	1	862,7349	2585,183	3
18	66,7	80195	1	1	1	862,7357	2585,185	3
18	66,7	80196	1	1	1	862,7359	2585,186	3
18	66,7	80197	1	1	1	862,7362	2585,187	3
18	66,7	80198	1	1	1	862,7363	2585,187	3
18	66,7	80199	1	1	1	862,7365	2585,188	3
18	66,7	80200	1	1	1	862,7381	2585,193	3
18	66,7	81201	1	1	1	868,0666	2601,178	3
30	66,4	5390	1	1	1	478,29	954,5655	2
30	66,4	5634	1	1	1	480,7302	959,4459	2
30	66,4	5637	1	1	1	480,7318	959,449	2
30	66,4	7910	1	1	1	498,2605	994,5065	2
30	66,4	11865	1	1	1	523,7728	1045,531	2
30	66,4	12809	1	1	1	530,2664	1058,518	2
30	66,4	17394	1	1	1	559,2914	1116,568	2
30	66,4	17611	1	1	1	560,3014	1118,588	2
30	66,4	17612	1	1	1	560,3029	1118,591	2
30	66,4	18010	1	1	1	562,3071	1122,6	2
30	66,4	18011	1	1	1	562,3076	1122,601	2
30	66,4	18619	1	1	1	565,7852	1129,556	2
30	66,4	18620	1	1	1	565,7867	1129,559	2
30	66,4	22010	1	1	1	583,7827	1165,551	2
30	66,4	28143	1	1	1	615,8319	1229,649	2
30	66,4	28144	1	1	1	615,8326	1229,651	2
30	66,4	28145	1	1	1	615,8328	1229,651	2
30	66,4	28148	1	1	1	615,8352	1229,656	2
30	66,4	28149	1	1	1	615,8352	1229,656	2
30	66,4	28150	1	1	1	615,8353	1229,656	2
30	66,4	29596	1	1	1	622,3275	1242,641	2
30	66,4	29602	1	1	1	622,3288	1242,643	2
30	66,4	30170	1	1	1	624,3324	1246,65	2
30	66,4	30172	1	1	1	624,3337	1246,653	2
30	66,4	30173	1	1	1	624,3337	1246,653	2
30	66,4	34029	1	1	1	643,3555	1284,696	2
30	66,4	34030	1	1	1	643,3557	1284,697	2
30	66,4	36960	1	1	1	657,8483	1313,682	2
30	66,4	59276	1	1	1	758,9225	1515,831	2
30	66,4	63464	1	1	1	778,9225	1555,831	2
30	66,4	67218	1	1	1	797,4579	1592,901	2

30	66,4	74401	1	1	1	832,9757	1663,937	2
30	66,4	74402	1	1	1	832,9762	1663,938	2
30	66,4	78991	1	1	1	855,966	1709,917	2
30	66,4	36276	1	1	1	654,6918	1961,054	3
30	66,4	36277	1	1	1	654,6921	1961,054	3
30	66,4	36278	1	1	1	654,6928	1961,057	3
30	66,4	36280	1	1	1	654,6948	1961,062	3
30	66,4	101426	1	1	1	981,5429	1961,071	2
30	66,4	101427	1	1	1	981,5429	1961,071	2
30	66,4	101428	1	1	1	981,5432	1961,072	2
30	66,4	45591	1	1	1	697,7039	2090,09	3
30	66,4	45594	1	1	1	697,7068	2090,099	3
30	66,4	45595	1	1	1	697,7111	2090,112	3
30	66,4	118273	1	1	1	1100,576	2199,138	2
30	66,4	56103	1	1	1	744,4253	2230,254	3
30	66,4	59303	1	1	1	759,0789	2274,215	3
30	66,4	59304	1	1	1	759,079	2274,215	3
30	66,4	122104	1	1	1	1138,124	2274,233	2
30	66,4	66641	1	1	1	794,4265	2380,258	3
30	66,4	73272	1	1	1	827,4541	2479,34	3
30	66,4	77975	1	1	1	851,1334	2550,378	3
30	66,4	133197	1	1	1	1370,214	2738,414	2
30	66,4	92877	1	1	1	929,1626	2784,466	3
30	66,4	92878	1	1	1	929,166	2784,476	3
26	58,8	10379	1	1	1	515,2944	1028,574	2
26	58,8	17325	1	1	1	558,8244	1115,634	2
26	58,8	19389	1	1	1	570,3247	1138,635	2
26	58,8	19390	1	1	1	570,3277	1138,641	2
26	58,8	19391	1	1	1	570,3278	1138,641	2
26	58,8	19392	1	1	1	570,3279	1138,641	2
26	58,8	19684	1	1	1	571,8388	1141,663	2
26	58,8	19685	1	1	1	571,8393	1141,664	2
26	58,8	24050	1	1	1	593,8196	1185,625	2
26	58,8	24052	1	1	1	593,821	1185,628	2
26	58,8	29666	1	1	1	622,8363	1243,658	2
26	58,8	29667	1	1	1	622,8365	1243,658	2
26	58,8	30970	1	1	1	628,3796	1254,745	2
26	58,8	30971	1	1	1	628,3812	1254,748	2
26	58,8	33020	1	1	1	638,3185	1274,623	2
26	58,8	40077	1	1	1	671,8708	1341,727	2
26	58,8	40102	1	1	1	671,8746	1341,735	2
26	58,8	40103	1	1	1	671,8748	1341,735	2
26	58,8	43904	1	1	1	688,8463	1375,678	2
26	58,8	44333	1	1	1	690,8967	1379,779	2
26	58,8	44337	1	1	1	690,8979	1379,781	2
26	58,8	44338	1	1	1	690,8982	1379,782	2
26	58,8	44340	1	1	1	690,8983	1379,782	2
26	58,8	44342	1	1	1	690,8989	1379,783	2

26	58,8	44344	1	1	1	690,8991	1379,784	2
26	58,8	44345	1	1	1	690,8992	1379,784	2
26	58,8	44348	1	1	1	690,9025	1379,79	2
26	58,8	52439	1	1	1	728,4164	1454,818	2
26	58,8	59959	1	1	1	762,3775	1522,741	2
26	58,8	59962	1	1	1	762,379	1522,744	2
26	58,8	60321	1	1	1	764,3316	1526,649	2
26	58,8	60327	1	1	1	764,334	1526,653	2
26	58,8	61940	1	1	1	771,9321	1541,85	2
26	58,8	61943	1	1	1	771,933	1541,851	2
26	58,8	61944	1	1	1	771,9333	1541,852	2
26	58,8	61956	1	1	1	772,3278	1542,641	2
26	58,8	61957	1	1	1	772,3299	1542,645	2
26	58,8	65022	1	1	1	786,4152	1570,816	2
26	58,8	69443	1	1	1	807,4523	1612,89	2
26	58,8	69444	1	1	1	807,4524	1612,89	2
26	58,8	77310	1	1	1	847,4318	1692,849	2
26	58,8	77311	1	1	1	847,432	1692,849	2
26	58,8	77312	1	1	1	847,4325	1692,851	2
26	58,8	85792	1	1	1	892,4614	1782,908	2
26	58,8	27928	1	1	1	614,6712	1840,992	3
26	58,8	27930	1	1	1	614,6716	1840,993	3
26	58,8	91462	1	1	1	921,5043	1840,994	2
26	58,8	27931	1	1	1	614,6723	1840,995	3
26	58,8	91469	1	1	1	921,5055	1840,997	2
26	58,8	99132	1	1	1	967,4929	1932,971	2
26	58,8	99137	1	1	1	967,4955	1932,976	2
26	58,8	39422	1	1	1	668,674	2003	3
26	58,8	43143	1	1	1	685,0322	2052,075	3
26	58,8	43144	1	1	1	685,0351	2052,084	3
26	58,8	108310	1	1	1	1027,053	2052,092	2
26	58,8	108311	1	1	1	1027,055	2052,095	2
26	58,8	109129	1	1	1	1032,043	2062,072	2
26	58,8	109130	1	1	1	1032,045	2062,075	2
26	58,8	52030	1	1	1	727,3239	2178,95	3
26	58,8	52032	1	1	1	727,3244	2178,951	3
26	58,8	52033	1	1	1	727,3246	2178,952	3
26	58,8	52034	1	1	1	727,3246	2178,952	3
26	58,8	52035	1	1	1	727,3248	2178,953	3
26	58,8	52036	1	1	1	727,3253	2178,954	3
26	58,8	52037	1	1	1	727,3257	2178,955	3
26	58,8	120729	1	1	1	1123,598	2245,181	2
26	58,8	120735	1	1	1	1123,6	2245,185	2
26	58,8	120738	1	1	1	1123,601	2245,188	2
26	58,8	57260	1	1	1	749,4058	2245,196	3
25	55,2	6199	1	1	1	485,2722	968,5299	2
25	55,2	6203	1	1	1	485,2743	968,534	2
25	55,2	9375	1	1	1	508,2821	1014,55	2

25	55,2	15907	1	1	1	550,7642	1099,514	2
25	55,2	17938	1	1	1	561,7938	1121,573	2
25	55,2	17940	1	1	1	561,7951	1121,576	2
25	55,2	17941	1	1	1	561,7956	1121,577	2
25	55,2	17942	1	1	1	561,7956	1121,577	2
25	55,2	17945	1	1	1	561,7961	1121,578	2
25	55,2	19560	1	1	1	571,2981	1140,582	2
25	55,2	26657	1	1	1	608,3243	1214,634	2
25	55,2	26658	1	1	1	608,3244	1214,634	2
25	55,2	26659	1	1	1	608,3244	1214,634	2
25	55,2	26661	1	1	1	608,3249	1214,635	2
25	55,2	27515	1	1	1	612,7997	1223,585	2
25	55,2	29093	1	1	1	619,8425	1237,671	2
25	55,2	29094	1	1	1	619,8426	1237,671	2
25	55,2	29096	1	1	1	619,8431	1237,672	2
25	55,2	29097	1	1	1	619,8433	1237,672	2
25	55,2	29098	1	1	1	619,8433	1237,672	2
25	55,2	29099	1	1	1	619,8438	1237,673	2
25	55,2	31465	1	1	1	630,8401	1259,666	2
25	55,2	34356	1	1	1	644,3575	1286,7	2
25	55,2	37286	1	1	1	659,3095	1316,605	2
25	55,2	41944	1	1	1	679,8902	1357,766	2
25	55,2	47422	1	1	1	705,8506	1409,687	2
25	55,2	47423	1	1	1	705,8513	1409,688	2
25	55,2	47424	1	1	1	705,8517	1409,689	2
25	55,2	47425	1	1	1	705,8517	1409,689	2
25	55,2	47426	1	1	1	705,8518	1409,689	2
25	55,2	47427	1	1	1	705,8519	1409,689	2
25	55,2	47428	1	1	1	705,8522	1409,69	2
25	55,2	47430	1	1	1	705,8526	1409,691	2
25	55,2	47431	1	1	1	705,8527	1409,691	2
25	55,2	47434	1	1	1	705,8542	1409,694	2
25	55,2	56079	1	1	1	744,3972	1486,78	2
25	55,2	56080	1	1	1	744,3978	1486,781	2
25	55,2	56082	1	1	1	744,3991	1486,784	2
25	55,2	69204	1	1	1	806,462	1610,909	2
25	55,2	69205	1	1	1	806,4633	1610,912	2
25	55,2	38424	1	1	1	664,0375	1989,091	3
25	55,2	104363	1	1	1	1001,021	2000,028	2
25	55,2	51789	1	1	1	725,7433	2174,208	3
25	55,2	53634	1	1	1	733,6972	2198,07	3
25	55,2	53637	1	1	1	733,7023	2198,085	3
25	55,2	53638	1	1	1	733,7031	2198,088	3
25	55,2	53639	1	1	1	733,7033	2198,088	3
25	55,2	53643	1	1	1	733,7039	2198,09	3
25	55,2	53644	1	1	1	733,7041	2198,091	3
25	55,2	53645	1	1	1	733,7042	2198,091	3
25	55,2	53646	1	1	1	733,7051	2198,093	3

25	55,2	53647	1	1	1	733,706	2198,096	3
25	55,2	125956	1	1	1	1185,64	2369,264	2
25	55,2	72721	1	1	1	824,0868	2469,238	3
25	55,2	72722	1	1	1	824,0879	2469,242	3
25	55,2	73316	1	1	1	827,788	2480,342	3
25	55,2	74769	1	1	1	834,7469	2501,219	3
25	55,2	82980	1	1	1	877,4625	2629,366	3
25	55,2	89606	1	1	1	912,1698	2733,488	3
10	54,8	16376	1	1	1	553,7428	1105,471	2
10	54,8	27001	1	1	1	610,3107	1218,607	2
10	54,8	40087	1	1	1	671,8725	1341,731	2
10	54,8	40091	1	1	1	671,873	1341,731	2
10	54,8	40098	1	1	1	671,8735	1341,732	2
10	54,8	49940	1	1	1	717,8271	1433,64	2
10	54,8	49942	1	1	1	717,8291	1433,644	2
10	54,8	49943	1	1	1	717,8294	1433,644	2
10	54,8	49945	1	1	1	717,8298	1433,645	2
10	54,8	49946	1	1	1	717,8301	1433,646	2
10	54,8	49947	1	1	1	717,8301	1433,646	2
10	54,8	49948	1	1	1	717,8302	1433,646	2
10	54,8	49949	1	1	1	717,8302	1433,646	2
10	54,8	49950	1	1	1	717,8303	1433,646	2
10	54,8	49951	1	1	1	717,8303	1433,646	2
10	54,8	49952	1	1	1	717,8304	1433,646	2
10	54,8	49953	1	1	1	717,8312	1433,648	2
10	54,8	49954	1	1	1	717,8312	1433,648	2
10	54,8	49956	1	1	1	717,8323	1433,65	2
10	54,8	49957	1	1	1	717,8325	1433,651	2
10	54,8	49958	1	1	1	717,8327	1433,651	2
10	54,8	49959	1	1	1	717,8333	1433,652	2
10	54,8	49960	1	1	1	717,8343	1433,654	2
10	54,8	50802	1	1	1	721,8566	1441,699	2
10	54,8	51250	1	1	1	723,3595	1444,704	2
10	54,8	51252	1	1	1	723,3604	1444,706	2
10	54,8	82268	1	1	1	873,4146	1744,815	2
10	54,8	89207	1	1	1	909,9345	1817,854	2
10	54,8	89208	1	1	1	909,9353	1817,856	2
10	54,8	89211	1	1	1	909,9356	1817,857	2
10	54,8	89212	1	1	1	909,9357	1817,857	2
10	54,8	89213	1	1	1	909,9359	1817,857	2
10	54,8	89214	1	1	1	909,936	1817,857	2
10	54,8	89215	1	1	1	909,9365	1817,858	2
10	54,8	36999	1	1	1	657,9957	1970,965	3
10	54,8	37000	1	1	1	657,9958	1970,966	3
10	54,8	37002	1	1	1	657,9992	1970,976	3
10	54,8	37003	1	1	1	657,9995	1970,977	3
10	54,8	51491	1	1	1	724,3598	2170,058	3
10	54,8	51493	1	1	1	724,3624	2170,066	3

10	54,8	51494	1	1	1	724,3626	2170,066	3
10	54,8	51497	1	1	1	724,363	2170,067	3
10	54,8	51499	1	1	1	724,3635	2170,069	3
10	54,8	51500	1	1	1	724,3641	2170,071	3
10	54,8	51502	1	1	1	724,3642	2170,071	3
10	54,8	51503	1	1	1	724,3643	2170,071	3
10	54,8	51504	1	1	1	724,3647	2170,072	3
8	53,8	46409	1	1	1	701,857	1401,7	2
8	53,8	46410	1	1	1	701,8579	1401,701	2
8	53,8	46411	1	1	1	701,8592	1401,704	2
8	53,8	46412	1	1	1	701,8606	1401,707	2
8	53,8	46414	1	1	1	701,8612	1401,708	2
8	53,8	46415	1	1	1	701,8617	1401,709	2
8	53,8	46416	1	1	1	701,8621	1401,71	2
8	53,8	46418	1	1	1	701,863	1401,711	2
8	53,8	48039	1	1	1	708,9114	1415,808	2
8	53,8	48041	1	1	1	708,9135	1415,813	2
8	53,8	48042	1	1	1	708,9141	1415,814	2
8	53,8	69689	1	1	1	808,9238	1615,833	2
8	53,8	69690	1	1	1	808,924	1615,834	2
8	53,8	69692	1	1	1	808,9243	1615,834	2
8	53,8	69694	1	1	1	808,9252	1615,836	2
8	53,8	69695	1	1	1	808,9252	1615,836	2
8	53,8	69696	1	1	1	808,9257	1615,837	2
8	53,8	69697	1	1	1	808,9267	1615,839	2
8	53,8	69698	1	1	1	808,9269	1615,839	2
8	53,8	69699	1	1	1	808,9277	1615,841	2
8	53,8	88521	1	1	1	906,4623	1810,91	2
8	53,8	88528	1	1	1	906,4631	1810,912	2
8	53,8	88535	1	1	1	906,4638	1810,913	2
8	53,8	88540	1	1	1	906,4642	1810,914	2
8	53,8	88555	1	1	1	906,4654	1810,916	2
8	53,8	88556	1	1	1	906,4655	1810,917	2
8	53,8	88557	1	1	1	906,4656	1810,917	2
8	53,8	88560	1	1	1	906,4657	1810,917	2
8	53,8	88563	1	1	1	906,4662	1810,918	2
8	53,8	88565	1	1	1	906,4669	1810,919	2
8	53,8	88566	1	1	1	906,4669	1810,919	2
8	53,8	88567	1	1	1	906,467	1810,919	2
8	53,8	69409	1	1	1	807,4159	2419,226	3
8	53,8	76766	1	1	1	844,7753	2531,304	3
8	53,8	104242	1	1	1	1000,108	2997,302	3
8	53,8	104909	1	1	1	1005,443	3013,308	3
8	53,8	114509	1	1	1	1070,579	3208,716	3
14	31,2	22690	1	1	1	587,7701	1173,526	2
14	31,2	24811	1	1	1	598,7641	1195,514	2
14	31,2	24812	1	1	1	598,7642	1195,514	2
14	31,2	24813	1	1	1	598,7643	1195,514	2

14	31,2	24814	1	1	1	598,7644	1195,514	2
14	31,2	24815	1	1	1	598,7648	1195,515	2
14	31,2	36388	1	1	1	655,3139	1308,613	2
14	31,2	36499	1	1	1	655,785	1309,556	2
14	31,2	37042	1	1	1	658,3225	1314,63	2
14	31,2	37055	1	1	1	658,3279	1314,641	2
14	31,2	37058	1	1	1	658,3285	1314,642	2
14	31,2	37060	1	1	1	658,3289	1314,643	2
14	31,2	37061	1	1	1	658,3292	1314,644	2
14	31,2	37063	1	1	1	658,3294	1314,644	2
14	31,2	37066	1	1	1	658,3299	1314,645	2
14	31,2	37069	1	1	1	658,3307	1314,647	2
14	31,2	43105	1	1	1	684,8822	1367,75	2
14	31,2	43107	1	1	1	684,8833	1367,752	2
14	31,2	43108	1	1	1	684,8836	1367,753	2
14	31,2	55278	1	1	1	740,8432	1479,672	2
14	31,2	55279	1	1	1	740,845	1479,676	2
14	31,2	60356	1	1	1	764,3655	1526,716	2
14	31,2	60357	1	1	1	764,3656	1526,717	2
14	31,2	60358	1	1	1	764,3657	1526,717	2
14	31,2	60364	1	1	1	764,3674	1526,72	2
14	31,2	60365	1	1	1	764,3678	1526,721	2
14	31,2	60366	1	1	1	764,3678	1526,721	2
14	31,2	60368	1	1	1	764,3683	1526,722	2
14	31,2	60369	1	1	1	764,3683	1526,722	2
14	31,2	60370	1	1	1	764,3685	1526,722	2
14	31,2	60371	1	1	1	764,3686	1526,723	2
14	31,2	60373	1	1	1	764,3688	1526,723	2
14	31,2	60374	1	1	1	764,3692	1526,724	2
14	31,2	60376	1	1	1	764,3696	1526,725	2
14	31,2	60377	1	1	1	764,3697	1526,725	2
14	31,2	77177	1	1	1	846,9188	1691,823	2
14	31,2	77178	1	1	1	846,9189	1691,823	2
14	31,2	77179	1	1	1	846,9191	1691,824	2
14	31,2	77180	1	1	1	846,9204	1691,826	2
14	31,2	20707	1	1	1	577,2858	1728,836	3
14	31,2	20708	1	1	1	577,2859	1728,836	3
14	31,2	20712	1	1	1	577,2882	1728,843	3
14	31,2	83479	1	1	1	880,4346	1758,855	2
14	31,2	101960	1	1	1	985,501	1968,987	2
14	31,2	108641	1	1	1	1029,017	2056,019	2
14	31,2	122748	1	1	1	1144,063	2286,112	2
18	55,8	12998	1	1	1	531,2779	1060,541	2
18	55,8	13669	1	1	1	535,7959	1069,577	2
18	55,8	14986	1	1	1	545,2832	1088,552	2
18	55,8	16018	1	1	1	551,298	1100,582	2
18	55,8	24843	1	1	1	598,8117	1195,609	2
18	55,8	26875	1	1	1	609,3326	1216,651	2

18	55,8	34362	1	1	1	644,3645	1286,714	2
18	55,8	34363	1	1	1	644,3645	1286,715	2
18	55,8	34364	1	1	1	644,3646	1286,715	2
18	55,8	34369	1	1	1	644,3671	1286,72	2
18	55,8	35889	1	1	1	652,3078	1302,601	2
18	55,8	36466	1	1	1	655,3535	1308,692	2
18	55,8	51054	1	1	1	722,4188	1442,823	2
18	55,8	84814	1	1	1	886,9544	1771,894	2
18	55,8	90367	1	1	1	916,4585	1830,903	2
18	55,8	36816	1	1	1	657,0077	1968,001	3
18	55,8	51312	1	1	1	723,7172	2168,13	3
18	55,8	55901	1	1	1	743,6973	2228,07	3
18	55,8	119898	1	1	1	1115,044	2228,073	2
18	55,8	55902	1	1	1	743,6984	2228,073	3
18	55,8	119901	1	1	1	1115,047	2228,08	2
18	55,8	55904	1	1	1	743,7009	2228,081	3
18	55,8	55905	1	1	1	743,7009	2228,081	3
18	55,8	119902	1	1	1	1115,048	2228,081	2
18	55,8	55907	1	1	1	743,7011	2228,081	3
18	55,8	55908	1	1	1	743,7011	2228,081	3
18	55,8	119903	1	1	1	1115,048	2228,082	2
18	55,8	119907	1	1	1	1115,049	2228,083	2
18	55,8	119908	1	1	1	1115,049	2228,084	2
18	55,8	119916	1	1	1	1115,051	2228,088	2
18	55,8	119917	1	1	1	1115,051	2228,088	2
18	55,8	119918	1	1	1	1115,052	2228,089	2
18	55,8	119919	1	1	1	1115,052	2228,089	2
18	55,8	119920	1	1	1	1115,052	2228,089	2
18	55,8	119921	1	1	1	1115,052	2228,089	2
18	55,8	66884	1	1	1	795,7355	2384,185	3
18	55,8	66885	1	1	1	795,7361	2384,187	3
18	55,8	70391	1	1	1	812,4387	2434,294	3
18	55,8	131642	1	1	1	1294,692	2587,37	2
10	58	26888	1	1	1	609,3504	1216,686	2
10	58	26889	1	1	1	609,3537	1216,693	2
10	58	59268	1	1	1	758,8917	1515,769	2
10	58	62543	1	1	1	774,9009	1547,787	2
10	58	62549	1	1	1	774,9038	1547,793	2
10	58	63901	1	1	1	780,9107	1559,807	2
10	58	63902	1	1	1	780,9117	1559,809	2
10	58	63903	1	1	1	780,9119	1559,809	2
10	58	63905	1	1	1	780,914	1559,813	2
10	58	63906	1	1	1	780,9144	1559,814	2
10	58	63907	1	1	1	780,9153	1559,816	2
10	58	63908	1	1	1	780,9154	1559,816	2
10	58	68645	1	1	1	803,9791	1605,944	2
10	58	68646	1	1	1	803,9792	1605,944	2
10	58	68647	1	1	1	803,9798	1605,945	2



10	58	68648	1	1	1	803,9804	1605,946	2
10	58	84938	1	1	1	887,9855	1773,957	2
10	58	84939	1	1	1	887,9859	1773,957	2
10	58	84940	1	1	1	887,9869	1773,959	2
10	58	84941	1	1	1	887,9877	1773,961	2
10	58	84942	1	1	1	887,988	1773,962	2
10	58	84943	1	1	1	887,9881	1773,962	2
10	58	84945	1	1	1	887,9883	1773,962	2
10	58	84946	1	1	1	887,9884	1773,962	2
10	58	84947	1	1	1	887,9887	1773,963	2
10	58	84948	1	1	1	887,9887	1773,963	2
10	58	84949	1	1	1	887,99	1773,965	2
10	58	84950	1	1	1	887,9911	1773,968	2
10	58	84951	1	1	1	887,9913	1773,968	2
10	58	84952	1	1	1	887,9927	1773,971	2
10	58	23973	1	1	1	593,594	1777,76	3
10	58	30452	1	1	1	625,9442	1874,811	3
10	58	30453	1	1	1	625,9445	1874,812	3
10	58	30454	1	1	1	625,9451	1874,814	3
10	58	37018	1	1	1	658,2972	1971,87	3
10	58	37019	1	1	1	658,2975	1971,871	3
10	58	45311	1	1	1	696,3108	2085,911	3
10	58	45312	1	1	1	696,3109	2085,911	3
10	58	46343	1	1	1	701,6404	2101,899	3
10	58	46354	1	1	1	701,6419	2101,904	3
21	61,9	23717	1	1	1	592,257	1182,5	2
21	61,9	24656	1	1	1	597,8051	1193,596	2
21	61,9	24661	1	1	1	597,8067	1193,599	2
21	61,9	37414	1	1	1	659,8453	1317,676	2
21	61,9	51441	1	1	1	724,3123	1446,61	2
21	61,9	51442	1	1	1	724,3138	1446,613	2
21	61,9	51443	1	1	1	724,315	1446,616	2
21	61,9	51445	1	1	1	724,3161	1446,618	2
21	61,9	51446	1	1	1	724,3162	1446,618	2
21	61,9	51447	1	1	1	724,3163	1446,618	2
21	61,9	57394	1	1	1	750,3859	1498,757	2
21	61,9	71060	1	1	1	815,9187	1629,823	2
21	61,9	97447	1	1	1	956,479	1910,943	2
21	61,9	97448	1	1	1	956,4791	1910,944	2
21	61,9	97451	1	1	1	956,4803	1910,946	2
21	61,9	97457	1	1	1	956,4837	1910,953	2
21	61,9	49996	1	1	1	717,9848	2150,933	3
21	61,9	49997	1	1	1	717,985	2150,933	3
21	61,9	50001	1	1	1	717,9875	2150,941	3
21	61,9	50543	1	1	1	720,6847	2159,032	3
21	61,9	50546	1	1	1	720,6876	2159,041	3
21	61,9	50547	1	1	1	720,6878	2159,042	3
21	61,9	50548	1	1	1	720,6879	2159,042	3

21	61,9	115835	1	1	1	1080,53	2159,046	2
21	61,9	71217	1	1	1	816,7335	2447,179	3
21	61,9	76955	1	1	1	845,7461	2534,217	3
21	61,9	86179	1	1	1	894,7658	2681,276	3
21	61,9	89925	1	1	1	913,7769	2738,309	3
21	61,9	95058	1	1	1	941,7817	2822,323	3
21	61,9	95910	1	1	1	947,4597	2839,357	3
21	61,9	95911	1	1	1	947,4598	2839,358	3
21	61,9	101232	1	1	1	980,482	2938,424	3
21	61,9	106209	1	1	1	1014,165	3039,474	3
21	61,9	111377	1	1	1	1047,19	3138,548	3
21	61,9	115855	1	1	1	1080,87	3239,588	3
21	61,9	123240	1	1	1	1150,567	3448,68	3
21	61,9	123242	1	1	1	1150,568	3448,681	3
21	61,9	126739	1	1	1	1197,244	3588,711	3
21	61,9	126740	1	1	1	1197,245	3588,714	3
16	39,4	30438	1	1	1	625,8588	1249,703	2
16	39,4	30439	1	1	1	625,8591	1249,704	2
16	39,4	46253	1	1	1	701,3338	1400,653	2
16	39,4	46258	1	1	1	701,3368	1400,659	2
16	39,4	46259	1	1	1	701,337	1400,659	2
16	39,4	46260	1	1	1	701,338	1400,661	2
16	39,4	46264	1	1	1	701,3411	1400,668	2
16	39,4	50301	1	1	1	719,399	1436,783	2
16	39,4	57858	1	1	1	752,4349	1502,855	2
16	39,4	61298	1	1	1	768,913	1535,812	2
16	39,4	61299	1	1	1	768,9135	1535,812	2
16	39,4	63438	1	1	1	778,8638	1555,713	2
16	39,4	63439	1	1	1	778,8643	1555,714	2
16	39,4	63440	1	1	1	778,8643	1555,714	2
16	39,4	63441	1	1	1	778,8646	1555,715	2
16	39,4	63442	1	1	1	778,8647	1555,715	2
16	39,4	63443	1	1	1	778,8647	1555,715	2
16	39,4	63444	1	1	1	778,8657	1555,717	2
16	39,4	63445	1	1	1	778,8661	1555,718	2
16	39,4	63446	1	1	1	778,8671	1555,72	2
16	39,4	65113	1	1	1	786,8583	1571,702	2
16	39,4	65114	1	1	1	786,8598	1571,705	2
16	39,4	65118	1	1	1	786,8619	1571,709	2
16	39,4	66907	1	1	1	795,9516	1589,889	2
16	39,4	73538	1	1	1	828,4601	1654,906	2
16	39,4	73687	1	1	1	829,4166	1656,819	2
16	39,4	96654	1	1	1	951,5645	1901,115	2
16	39,4	99687	1	1	1	970,5667	1939,119	2
16	39,4	36420	1	1	1	655,3309	1962,971	3
16	39,4	36421	1	1	1	655,3309	1962,971	3
16	39,4	36423	1	1	1	655,3312	1962,972	3
16	39,4	101550	1	1	1	982,4963	1962,978	2

16	39,4	101552	1	1	1	982,4964	1962,978	2
16	39,4	36431	1	1	1	655,3348	1962,983	3
16	39,4	115630	1	1	1	1079,013	2156,011	2
16	39,4	130225	1	1	1	1255,149	2508,284	2
16	39,4	130226	1	1	1	1255,151	2508,288	2
16	39,4	75432	1	1	1	838,0777	2511,211	3
16	39,4	75433	1	1	1	838,0777	2511,211	3
16	39,4	75434	1	1	1	838,0794	2511,217	3
16	39,4	91749	1	1	1	922,4899	2764,448	3
16	39,4	91750	1	1	1	922,4907	2764,45	3
14	39,3	19214	1	1	1	569,2916	1136,569	2
14	39,3	21485	1	1	1	581,2858	1160,557	2
14	39,3	21488	1	1	1	581,2879	1160,561	2
14	39,3	22077	1	1	1	584,2511	1166,488	2
14	39,3	22078	1	1	1	584,2519	1166,489	2
14	39,3	22405	1	1	1	585,8431	1169,672	2
14	39,3	33070	1	1	1	638,8007	1275,587	2
14	39,3	36633	1	1	1	656,3253	1310,636	2
14	39,3	65132	1	1	1	786,895	1571,776	2
14	39,3	65153	1	1	1	786,9224	1571,83	2
14	39,3	12115	1	1	1	525,6332	1573,878	3
14	39,3	84799	1	1	1	886,8949	1771,775	2
14	39,3	84800	1	1	1	886,8958	1771,777	2
14	39,3	84801	1	1	1	886,896	1771,777	2
14	39,3	84802	1	1	1	886,8972	1771,78	2
14	39,3	84803	1	1	1	886,898	1771,782	2
14	39,3	86180	1	1	1	894,8905	1787,766	2
14	39,3	86182	1	1	1	894,8915	1787,768	2
14	39,3	86183	1	1	1	894,8932	1787,772	2
14	39,3	86188	1	1	1	894,8973	1787,78	2
14	39,3	87529	1	1	1	901,4731	1800,932	2
14	39,3	87530	1	1	1	901,4736	1800,933	2
14	39,3	87807	1	1	1	902,8875	1803,761	2
14	39,3	87808	1	1	1	902,889	1803,763	2
14	39,3	93745	1	1	1	934,4701	1866,926	2
14	39,3	93747	1	1	1	934,4706	1866,927	2
14	39,3	93754	1	1	1	934,4732	1866,932	2
14	39,3	93756	1	1	1	934,4733	1866,932	2
14	39,3	93759	1	1	1	934,4738	1866,933	2
14	39,3	93761	1	1	1	934,4741	1866,934	2
14	39,3	93762	1	1	1	934,4742	1866,934	2
14	39,3	93767	1	1	1	934,4752	1866,936	2
14	39,3	93771	1	1	1	934,4757	1866,937	2
14	39,3	93774	1	1	1	934,4765	1866,938	2
14	39,3	35225	1	1	1	648,9497	1943,827	3
14	39,3	35228	1	1	1	648,9507	1943,83	3
14	39,3	36186	1	1	1	654,2777	1959,811	3
14	39,3	52454	1	1	1	728,6934	2183,058	3

14	39,3	52455	1	1	1	728,6958	2183,066	3
14	39,3	117445	1	1	1	1092,542	2183,07	2
14	39,3	117448	1	1	1	1092,545	2183,076	2
14	39,3	117449	1	1	1	1092,545	2183,076	2
25	49,3	25774	1	1	1	603,8067	1205,599	2
25	49,3	25776	1	1	1	603,8073	1205,6	2
25	49,3	25777	1	1	1	603,8075	1205,6	2
25	49,3	27266	1	1	1	611,8053	1221,596	2
25	49,3	40336	1	1	1	672,8586	1343,703	2
25	49,3	40348	1	1	1	672,8595	1343,704	2
25	49,3	40351	1	1	1	672,8602	1343,706	2
25	49,3	43915	1	1	1	688,8741	1375,734	2
25	49,3	49900	1	1	1	717,386	1432,757	2
25	49,3	49903	1	1	1	717,3869	1432,759	2
25	49,3	59405	1	1	1	759,409	1516,803	2
25	49,3	9011	1	1	1	506,6085	1516,804	3
25	49,3	65957	1	1	1	791,4409	1580,867	2
25	49,3	68446	1	1	1	802,9286	1603,843	2
25	49,3	68448	1	1	1	802,9295	1603,844	2
25	49,3	69612	1	1	1	808,4129	1614,811	2
25	49,3	71169	1	1	1	816,4097	1630,805	2
25	49,3	77048	1	1	1	846,408	1690,801	2
25	49,3	77051	1	1	1	846,4123	1690,81	2
25	49,3	77394	1	1	1	847,9848	1693,955	2
25	49,3	23389	1	1	1	590,9888	1769,945	3
25	49,3	86753	1	1	1	897,519	1793,023	2
25	49,3	87714	1	1	1	902,4428	1802,871	2
25	49,3	89031	1	1	1	909,0054	1815,996	2
25	49,3	89032	1	1	1	909,0056	1815,997	2
25	49,3	112858	1	1	1	1058,033	2114,051	2
25	49,3	112865	1	1	1	1058,043	2114,071	2
25	49,3	114219	1	1	1	1068,609	2135,203	2
25	49,3	114220	1	1	1	1068,609	2135,203	2
25	49,3	114222	1	1	1	1068,611	2135,207	2
25	49,3	55384	1	1	1	741,3755	2221,105	3
25	49,3	55393	1	1	1	741,3795	2221,117	3
25	49,3	120162	1	1	1	1117,536	2233,057	2
25	49,3	120165	1	1	1	1117,538	2233,062	2
25	49,3	120166	1	1	1	1117,538	2233,062	2
25	49,3	120168	1	1	1	1117,54	2233,065	2
25	49,3	56308	1	1	1	745,3676	2233,081	3
25	49,3	62717	1	1	1	775,4224	2323,245	3
25	49,3	63749	1	1	1	780,3836	2338,129	3
25	49,3	89789	1	1	1	913,4171	2737,23	3
25	49,3	89790	1	1	1	913,4174	2737,23	3
25	49,3	89792	1	1	1	913,4184	2737,233	3
25	49,3	91652	1	1	1	922,1336	2763,379	3
25	49,3	95727	1	1	1	945,8623	2834,565	3

25	49,3	98513	1	1	1	963,1267	2886,358	3
25	49,3	106563	1	1	1	1016,203	3045,587	3
4	22,8	25762	1	1	1	603,7998	1205,585	2
4	22,8	25763	1	1	1	603,8002	1205,586	2
4	22,8	25765	1	1	1	603,8004	1205,586	2
4	22,8	25766	1	1	1	603,8013	1205,588	2
4	22,8	25767	1	1	1	603,8014	1205,588	2
4	22,8	25768	1	1	1	603,8014	1205,588	2
4	22,8	27218	1	1	1	611,7966	1221,579	2
4	22,8	27220	1	1	1	611,7972	1221,58	2
4	22,8	27223	1	1	1	611,7975	1221,58	2
4	22,8	27224	1	1	1	611,7978	1221,581	2
4	22,8	27225	1	1	1	611,7978	1221,581	2
4	22,8	27226	1	1	1	611,7981	1221,582	2
4	22,8	27227	1	1	1	611,7981	1221,582	2
4	22,8	27228	1	1	1	611,7982	1221,582	2
4	22,8	27229	1	1	1	611,7983	1221,582	2
4	22,8	27230	1	1	1	611,7984	1221,582	2
4	22,8	27232	1	1	1	611,7986	1221,583	2
4	22,8	27234	1	1	1	611,799	1221,584	2
4	22,8	27237	1	1	1	611,7991	1221,584	2
4	22,8	27238	1	1	1	611,7992	1221,584	2
4	22,8	27239	1	1	1	611,7993	1221,584	2
4	22,8	27240	1	1	1	611,7994	1221,584	2
4	22,8	27241	1	1	1	611,7995	1221,584	2
4	22,8	27245	1	1	1	611,7998	1221,585	2
4	22,8	27246	1	1	1	611,8	1221,585	2
4	22,8	27247	1	1	1	611,8002	1221,586	2
4	22,8	27249	1	1	1	611,8002	1221,586	2
4	22,8	27252	1	1	1	611,8003	1221,586	2
4	22,8	27254	1	1	1	611,8004	1221,586	2
4	22,8	27255	1	1	1	611,8005	1221,587	2
4	22,8	27256	1	1	1	611,8007	1221,587	2
4	22,8	27259	1	1	1	611,8014	1221,588	2
4	22,8	27260	1	1	1	611,8028	1221,591	2
4	22,8	39290	1	1	1	667,8484	1333,682	2
4	22,8	39293	1	1	1	667,8494	1333,684	2
4	22,8	54495	1	1	1	737,3416	1472,669	2
4	22,8	54496	1	1	1	737,3418	1472,669	2
4	22,8	54497	1	1	1	737,3432	1472,672	2
4	22,8	54501	1	1	1	737,3449	1472,675	2
4	22,8	65162	1	1	1	787,0326	2358,076	3
4	22,8	65163	1	1	1	787,0334	2358,078	3
4	22,8	65164	1	1	1	787,0335	2358,079	3
4	22,8	65165	1	1	1	787,0335	2358,079	3
4	22,8	65166	1	1	1	787,034	2358,08	3
4	22,8	65167	1	1	1	787,0341	2358,081	3
4	22,8	65168	1	1	1	787,0344	2358,081	3

14	70,2	7007	1	1	1	492,2242	982,4339	2
14	70,2	7010	1	1	1	492,2251	982,4355	2
14	70,2	7011	1	1	1	492,2258	982,4369	2
14	70,2	26863	1	1	1	609,3175	1216,621	2
14	70,2	26866	1	1	1	609,3193	1216,624	2
14	70,2	26869	1	1	1	609,3204	1216,626	2
14	70,2	27529	1	1	1	612,8136	1223,613	2
14	70,2	27530	1	1	1	612,8155	1223,617	2
14	70,2	27531	1	1	1	612,8157	1223,617	2
14	70,2	29234	1	1	1	620,8106	1239,607	2
14	70,2	29237	1	1	1	620,814	1239,614	2
14	70,2	33912	1	1	1	642,8358	1283,657	2
14	70,2	37158	1	1	1	658,3811	1314,748	2
14	70,2	37159	1	1	1	658,3812	1314,748	2
14	70,2	37161	1	1	1	658,382	1314,75	2
14	70,2	44908	1	1	1	693,8782	1385,742	2
14	70,2	55889	1	1	1	743,4359	1484,857	2
14	70,2	64871	1	1	1	785,9648	1569,915	2
14	70,2	64872	1	1	1	785,9669	1569,919	2
14	70,2	83647	1	1	1	880,9449	1759,875	2
14	70,2	83658	1	0	1	880,9453	1759,876	2
14	70,2	83662	1	1	1	880,9456	1759,877	2
14	70,2	83664	1	1	1	880,9458	1759,877	2
14	70,2	83665	1	1	1	880,9458	1759,877	2
14	70,2	83667	1	1	1	880,9458	1759,877	2
14	70,2	83674	1	0	1	880,9469	1759,879	2
14	70,2	85142	1	1	1	888,9398	1775,865	2
14	70,2	85143	1	1	1	888,9401	1775,866	2
14	70,2	85146	1	1	1	888,9407	1775,867	2
14	70,2	85151	1	1	1	888,9412	1775,868	2
14	70,2	85153	1	1	1	888,9415	1775,869	2
14	70,2	85154	1	1	1	888,9416	1775,869	2
14	70,2	85156	1	1	1	888,9419	1775,869	2
14	70,2	85158	1	1	1	888,9424	1775,87	2
14	70,2	85159	1	1	1	888,9425	1775,871	2
14	70,2	85160	1	1	1	888,9425	1775,871	2
14	70,2	85161	1	1	1	888,9427	1775,871	2
14	70,2	85163	1	1	1	888,9428	1775,871	2
14	70,2	85165	1	1	1	888,943	1775,871	2
14	70,2	85167	1	1	1	888,9434	1775,872	2
14	70,2	85169	1	1	1	888,9436	1775,873	2
14	70,2	88776	1	1	1	907,5196	1813,025	2
14	70,2	52718	1	1	1	729,7013	2186,082	3
14	70,2	129648	1	1	1	1242,642	2483,27	2
14	70,2	73558	1	1	1	828,7648	2483,273	3
14	70,2	91058	1	1	1	919,773	2756,297	3
14	70,2	102541	1	1	1	989,5059	2965,496	3
15	63,6	4266	1	1	1	467,7147	933,4149	2

15	63,6	13114	1	1	1	532,2371	1062,46	2
15	63,6	14300	1	1	1	540,2312	1078,448	2
15	63,6	14305	1	1	1	540,2331	1078,452	2
15	63,6	14308	1	1	1	540,2332	1078,452	2
15	63,6	14313	1	1	1	540,2338	1078,453	2
15	63,6	14317	1	1	1	540,234	1078,453	2
15	63,6	14327	1	1	1	540,2357	1078,457	2
15	63,6	26291	1	1	1	606,3686	1210,723	2
15	63,6	38448	1	1	1	664,3197	1326,625	2
15	63,6	39047	1	1	1	666,3489	1330,683	2
15	63,6	47470	1	1	1	705,9351	1409,856	2
15	63,6	53083	1	1	1	730,8711	1459,728	2
15	63,6	53086	1	1	1	730,8721	1459,73	2
15	63,6	53087	1	1	1	730,8726	1459,731	2
15	63,6	53089	1	1	1	730,874	1459,734	2
15	63,6	54923	1	1	1	738,8672	1475,72	2
15	63,6	54927	1	1	1	738,8676	1475,721	2
15	63,6	54929	1	1	1	738,8679	1475,721	2
15	63,6	63860	1	1	1	780,871	1559,728	2
15	63,6	63865	1	1	1	780,8745	1559,734	2
15	63,6	63866	1	1	1	780,8745	1559,735	2
15	63,6	63869	1	1	1	780,8755	1559,736	2
15	63,6	63870	1	1	1	780,8756	1559,737	2
15	63,6	63871	1	1	1	780,8758	1559,737	2
15	63,6	63873	1	1	1	780,8764	1559,738	2
15	63,6	63874	1	1	1	780,8768	1559,739	2
15	63,6	63875	1	1	1	780,8781	1559,742	2
15	63,6	27847	1	1	1	614,3055	1839,895	3
15	63,6	35479	1	1	1	649,9942	1946,961	3
15	63,6	43649	1	1	1	687,6887	2060,044	3
15	63,6	51749	1	1	1	725,3859	2173,136	3
15	63,6	117824	1	1	1	1096,065	2190,115	2
15	63,6	71335	1	1	1	817,4217	2449,243	3
15	63,6	77930	1	1	1	850,7568	2549,249	3
15	63,6	77931	1	1	1	850,7569	2549,249	3
15	63,6	77932	1	1	1	850,7572	2549,25	3
15	63,6	77933	1	1	1	850,7572	2549,25	3
15	63,6	77934	1	1	1	850,7573	2549,25	3
15	63,6	77935	1	1	1	850,7577	2549,251	3
15	63,6	77936	1	1	1	850,7579	2549,252	3
17	46,1	12334	1	1	1	527,2663	1052,518	2
17	46,1	15505	1	1	1	548,3064	1094,598	2
17	46,1	26244	1	1	1	606,3063	1210,598	2
17	46,1	36593	1	1	1	656,2828	1310,551	2
17	46,1	36594	1	1	1	656,2862	1310,558	2
17	46,1	36595	1	1	1	656,2864	1310,558	2
17	46,1	5462	1	1	1	478,9314	1433,773	3
17	46,1	49989	1	1	1	717,8995	1433,785	2

17	46,1	52814	1	1	1	729,8792	1457,744	2
17	46,1	52817	1	1	1	729,8824	1457,75	2
17	46,1	63593	1	1	1	779,417	1556,82	2
17	46,1	21587	1	1	1	581,9668	1742,879	3
17	46,1	83365	1	1	1	879,4544	1756,894	2
17	46,1	83366	1	1	1	879,4547	1756,895	2
17	46,1	83367	1	1	1	879,4552	1756,896	2
17	46,1	83368	1	1	1	879,4556	1756,897	2
17	46,1	84570	1	1	1	885,4909	1768,967	2
17	46,1	27681	1	1	1	613,6433	1837,908	3
17	46,1	91141	1	1	1	919,9692	1837,924	2
17	46,1	91147	1	1	1	919,9698	1837,925	2
17	46,1	42264	1	1	1	681,6904	2042,049	3
17	46,1	42265	1	1	1	681,6907	2042,05	3
17	46,1	107432	1	1	1	1022,036	2042,058	2
17	46,1	43662	1	1	1	687,7078	2060,102	3
17	46,1	108947	1	1	1	1031,062	2060,11	2
17	46,1	48185	1	1	1	709,3939	2125,16	3
17	46,1	48188	1	1	1	709,3966	2125,168	3
17	46,1	48189	1	1	1	709,3967	2125,168	3
17	46,1	48190	1	1	1	709,3971	2125,169	3
17	46,1	113540	1	1	1	1063,596	2125,177	2
17	46,1	116421	1	1	1	1085,572	2169,128	2
17	46,1	124864	1	1	1	1170,625	2339,235	2
17	46,1	124865	1	1	1	1170,626	2339,238	2
17	46,1	124866	1	1	1	1170,627	2339,24	2
17	46,1	124867	1	1	1	1170,628	2339,242	2
17	46,1	66660	1	1	1	794,4525	2380,336	3
17	46,1	66662	1	1	1	794,4539	2380,34	3
21	56,7	19244	1	1	1	569,3708	1136,727	2
21	56,7	24044	1	1	1	593,8184	1185,622	2
21	56,7	24046	1	1	1	593,8186	1185,623	2
21	56,7	24048	1	1	1	593,8193	1185,624	2
21	56,7	27120	1	1	1	610,838	1219,662	2
21	56,7	27121	1	1	1	610,8406	1219,667	2
21	56,7	35553	1	1	1	650,3583	1298,702	2
21	56,7	37215	1	1	1	658,849	1315,684	2
21	56,7	40600	1	1	1	673,8759	1345,737	2
21	56,7	40602	1	1	1	673,8777	1345,741	2
21	56,7	40603	1	1	1	673,8777	1345,741	2
21	56,7	40604	1	1	1	673,8781	1345,742	2
21	56,7	40942	1	1	1	675,3617	1348,709	2
21	56,7	40943	1	1	1	675,3624	1348,71	2
21	56,7	40944	1	1	1	675,3625	1348,71	2
21	56,7	54800	1	1	1	738,3551	1474,696	2
21	56,7	54808	1	1	1	738,3577	1474,701	2
21	56,7	8528	1	1	1	503,2619	1506,764	3
21	56,7	58199	1	1	1	754,3963	1506,778	2



21	56,7	58207	1	1	1	754,3986	1506,783	2
21	56,7	58209	1	1	1	754,399	1506,784	2
21	56,7	58211	1	1	1	754,3996	1506,785	2
21	56,7	60802	1	1	1	766,8478	1531,681	2
21	56,7	66993	1	1	1	796,4132	1590,812	2
21	56,7	66995	1	1	1	796,4135	1590,813	2
21	56,7	66998	1	1	1	796,4141	1590,814	2
21	56,7	71579	1	1	1	818,9603	1635,906	2
21	56,7	71580	1	1	1	818,9628	1635,911	2
21	56,7	71584	1	1	1	818,9645	1635,915	2
21	56,7	71585	1	1	1	818,966	1635,918	2
21	56,7	73170	1	1	1	826,9629	1651,911	2
21	56,7	73173	1	1	1	826,9649	1651,915	2
21	56,7	77412	1	1	1	848,3817	1694,749	2
21	56,7	79833	1	1	1	860,9055	1719,797	2
21	56,7	87249	1	1	1	900,0345	1798,055	2
21	56,7	87250	1	1	1	900,0353	1798,056	2
21	56,7	87251	1	1	1	900,0366	1798,059	2
21	56,7	90510	1	1	1	917,4493	1832,884	2
21	56,7	98264	1	1	1	961,5257	1921,037	2
21	56,7	98266	1	1	1	961,5278	1921,041	2
21	56,7	105242	1	1	1	1007,545	2013,076	2
21	56,7	105245	1	1	1	1007,546	2013,078	2
21	56,7	109674	1	1	1	1037,455	2072,894	2
21	56,7	76998	1	1	1	846,172	2535,494	3
21	56,7	119415	1	1	1	1111,196	3330,568	3
13	43,8	14346	1	1	1	540,2734	1078,532	2
13	43,8	14349	1	1	1	540,2749	1078,535	2
13	43,8	49265	1	1	1	714,8797	1427,745	2
13	43,8	61905	1	1	1	771,8993	1541,784	2
13	43,8	61908	1	1	1	771,9004	1541,786	2
13	43,8	79967	1	1	1	861,4905	1720,966	2
13	43,8	83201	1	1	1	878,4549	1754,895	2
13	43,8	83207	1	1	1	878,4558	1754,897	2
13	43,8	83208	1	1	1	878,4559	1754,897	2
13	43,8	91185	1	1	1	920,4373	1838,86	2
13	43,8	91186	1	1	1	920,4377	1838,861	2
13	43,8	91188	1	1	1	920,4386	1838,863	2
13	43,8	91195	1	1	1	920,4415	1838,869	2
13	43,8	92716	1	1	1	928,4372	1854,86	2
13	43,8	34535	1	1	1	645,6647	1933,972	3
13	43,8	104987	1	1	1	1006,01	2010,005	2
13	43,8	104991	1	1	1	1006,013	2010,011	2
13	43,8	104992	1	1	1	1006,016	2010,017	2
13	43,8	47790	1	1	1	707,6853	2120,034	3
13	43,8	47791	1	1	1	707,6856	2120,035	3
13	43,8	47793	1	1	1	707,6863	2120,037	3
13	43,8	47795	1	1	1	707,687	2120,039	3

13	43,8	47796	1	1	1	707,6882	2120,043	3
13	43,8	48309	1	1	1	710,0254	2127,054	3
13	43,8	113706	1	1	1	1064,535	2127,055	2
13	43,8	113709	1	1	1	1064,535	2127,056	2
13	43,8	113712	1	1	1	1064,536	2127,057	2
13	43,8	48312	1	1	1	710,0267	2127,058	3
13	43,8	51161	1	1	1	723,0451	2166,113	3
13	43,8	121824	1	1	1	1135,136	2268,258	2
13	43,8	64106	1	1	1	782,3671	2344,079	3
13	43,8	64108	1	1	1	782,3682	2344,083	3
13	43,8	65260	1	1	1	787,6988	2360,075	3
14	26,8	14659	1	1	1	542,75	1083,486	2
14	26,8	22631	1	1	1	587,3068	1172,599	2
14	26,8	24910	1	1	1	599,2932	1196,572	2
14	26,8	26719	1	1	1	608,8273	1215,64	2
14	26,8	26720	1	1	1	608,8277	1215,641	2
14	26,8	26723	1	1	1	608,8285	1215,643	2
14	26,8	26725	1	1	1	608,8294	1215,644	2
14	26,8	32924	1	1	1	637,8296	1273,645	2
14	26,8	32925	1	1	1	637,8298	1273,645	2
14	26,8	32926	1	1	1	637,8301	1273,646	2
14	26,8	32927	1	1	1	637,8304	1273,646	2
14	26,8	32929	1	1	1	637,8311	1273,648	2
14	26,8	32930	1	1	1	637,8316	1273,649	2
14	26,8	32932	1	1	1	637,8322	1273,65	2
14	26,8	35389	1	1	1	649,812	1297,609	2
14	26,8	35400	1	1	1	649,8171	1297,62	2
14	26,8	35404	1	1	1	649,8177	1297,621	2
14	26,8	35406	1	1	1	649,8182	1297,622	2
14	26,8	43180	1	1	1	685,3366	1368,659	2
14	26,8	53886	1	1	1	734,8739	1467,733	2
14	26,8	53888	1	1	1	734,8741	1467,734	2
14	26,8	65937	1	1	1	791,4156	1580,817	2
14	26,8	65938	1	1	1	791,416	1580,818	2
14	26,8	65939	1	1	1	791,4163	1580,818	2
14	26,8	70587	1	1	1	813,4094	1624,804	2
14	26,8	17893	1	1	1	561,6222	1681,845	3
14	26,8	76246	1	1	1	841,9359	1681,857	2
14	26,8	76248	1	1	1	841,9367	1681,859	2
14	26,8	76249	1	1	1	841,9381	1681,862	2
14	26,8	76250	1	1	1	841,9414	1681,868	2
14	26,8	29671	1	1	1	622,9957	1865,965	3
14	26,8	93660	1	1	1	933,9965	1865,979	2
14	26,8	93663	1	1	1	933,9974	1865,98	2
14	26,8	93664	1	1	1	933,9976	1865,981	2
14	26,8	93666	1	1	1	933,9991	1865,984	2
14	26,8	34933	1	1	1	647,3366	1938,988	3
14	26,8	47983	1	1	1	708,7125	2123,116	3

10	46,8	56314	1	1	1	745,3717	1488,729	2
10	46,8	56316	1	1	1	745,3733	1488,732	2
10	46,8	63662	1	1	1	779,9254	1557,836	2
10	46,8	63664	1	1	1	779,9262	1557,838	2
10	46,8	63665	1	1	1	779,9264	1557,838	2
10	46,8	63666	1	1	1	779,9264	1557,838	2
10	46,8	63667	1	1	1	779,9264	1557,838	2
10	46,8	63668	1	1	1	779,9285	1557,842	2
10	46,8	65756	1	1	1	790,8348	1579,655	2
10	46,8	65757	1	1	1	790,8372	1579,66	2
10	46,8	65758	1	1	1	790,8377	1579,661	2
10	46,8	65759	1	1	1	790,8384	1579,662	2
10	46,8	75363	1	1	1	837,4326	1672,851	2
10	46,8	75368	1	1	1	837,4351	1672,856	2
10	46,8	75369	1	1	1	837,4353	1672,856	2
10	46,8	75370	1	1	1	837,4356	1672,857	2
10	46,8	77807	1	1	1	850,3989	1698,783	2
10	46,8	85403	1	1	1	890,4026	1778,791	2
10	46,8	88627	1	1	1	906,9408	1811,867	2
10	46,8	32141	1	1	1	634,3315	1899,973	3
10	46,8	41529	1	1	1	678,012	2031,014	3
10	46,8	41531	1	1	1	678,0124	2031,016	3
10	46,8	41532	1	1	1	678,0126	2031,016	3
10	46,8	41533	1	1	1	678,0129	2031,017	3
10	46,8	41534	1	1	1	678,0134	2031,018	3
10	46,8	41535	1	1	1	678,0146	2031,022	3
10	46,8	106767	1	1	1	1016,52	2031,025	2
10	46,8	106769	1	1	1	1016,52	2031,026	2
10	46,8	42641	1	1	1	683,3429	2047,007	3
10	46,8	51870	1	1	1	726,0185	2175,034	3
19	54,1	28749	1	1	1	618,8061	1235,598	2
19	54,1	28750	1	1	1	618,8062	1235,598	2
19	54,1	28752	1	1	1	618,8063	1235,598	2
19	54,1	34666	1	1	1	646,2761	1290,538	2
19	54,1	42275	1	1	1	681,7945	1361,574	2
19	54,1	42276	1	1	1	681,7951	1361,576	2
19	54,1	47538	1	1	1	706,3502	1410,686	2
19	54,1	53129	1	1	1	731,3282	1460,642	2
19	54,1	58181	1	1	1	754,3789	1506,743	2
19	54,1	61982	1	1	1	772,3776	1542,741	2
19	54,1	78090	1	1	1	851,9115	1701,809	2
19	54,1	78092	1	1	1	851,9134	1701,812	2
19	54,1	78408	1	1	1	852,8689	1703,723	2
19	54,1	79097	1	1	1	856,4484	1710,882	2
19	54,1	79098	1	1	1	856,4487	1710,883	2
19	54,1	79105	1	1	1	856,4502	1710,886	2
19	54,1	79108	1	1	1	856,4516	1710,889	2
19	54,1	79115	1	1	1	856,4544	1710,894	2

19	54,1	79676	1	1	1	859,9102	1717,806	2
19	54,1	79827	1	1	1	860,8688	1719,723	2
19	54,1	82061	1	1	1	872,4166	1742,819	2
19	54,1	82062	1	1	1	872,4169	1742,819	2
19	54,1	83444	1	1	1	880,4113	1758,808	2
19	54,1	40610	1	1	1	673,9788	2018,915	3
19	54,1	40673	1	1	1	674,3358	2019,986	3
19	54,1	40677	1	1	1	674,3367	2019,988	3
19	54,1	121376	1	1	1	1130,02	2258,025	2
19	54,1	58147	1	1	1	754,3587	2260,054	3
19	54,1	58150	1	1	1	754,3595	2260,057	3
19	54,1	58158	1	1	1	754,361	2260,061	3
19	54,1	59451	1	1	1	759,6938	2276,06	3
19	54,1	75251	1	1	1	837,0568	2508,149	3
19	54,1	80063	1	1	1	862,1139	2583,32	3
19	54,1	80064	1	1	1	862,1153	2583,324	3
19	54,1	80065	1	1	1	862,1166	2583,328	3
19	54,1	90719	1	1	1	918,0889	2751,245	3
19	54,1	100179	1	1	1	974,14	2919,398	3
19	54,1	100181	1	1	1	974,1408	2919,401	3
19	54,1	100182	1	1	1	974,1432	2919,408	3
19	54,1	101039	1	1	1	979,4688	2935,385	3
19	54,1	101045	1	1	1	979,4742	2935,401	3
14	28,5	25655	1	1	1	603,2753	1204,536	2
14	28,5	29251	1	1	1	620,8358	1239,657	2
14	28,5	40196	1	1	1	672,3557	1342,697	2
14	28,5	42020	1	1	1	680,3464	1358,678	2
14	28,5	43781	1	1	1	688,3291	1374,644	2
14	28,5	43782	1	1	1	688,3293	1374,644	2
14	28,5	43783	1	1	1	688,3298	1374,645	2
14	28,5	43784	1	1	1	688,3299	1374,645	2
14	28,5	43785	1	1	1	688,33	1374,645	2
14	28,5	43786	1	1	1	688,3301	1374,646	2
14	28,5	43788	1	1	1	688,3303	1374,646	2
14	28,5	60761	1	1	1	766,3852	1530,756	2
14	28,5	60767	1	1	1	766,389	1530,763	2
14	28,5	63643	1	1	1	779,8778	1557,741	2
14	28,5	63646	1	1	1	779,882	1557,75	2
14	28,5	65286	1	1	1	787,8728	1573,731	2
14	28,5	65288	1	1	1	787,8774	1573,74	2
14	28,5	73677	1	1	1	829,4117	1656,809	2
14	28,5	73678	1	1	1	829,4119	1656,809	2
14	28,5	73679	1	1	1	829,412	1656,809	2
14	28,5	73680	1	1	1	829,4129	1656,811	2
14	28,5	73684	1	1	1	829,4148	1656,815	2
14	28,5	75332	1	1	1	837,4101	1672,806	2
14	28,5	97935	1	1	1	959,4648	1916,915	2
14	28,5	99744	1	1	1	971,0152	1940,016	2

14	28,5	102625	1	1	1	990,0011	1977,988	2
14	28,5	102626	1	1	1	990,0024	1977,99	2
14	28,5	103423	1	1	1	994,9816	1987,949	2
14	28,5	103427	1	1	1	994,9844	1987,954	2
14	28,5	125743	1	1	1	1183,098	2364,181	2
14	28,5	133216	1	1	1	1371,684	2741,353	2
14	28,5	90080	1	1	1	914,7923	2741,355	3
14	28,5	90081	1	1	1	914,7945	2741,362	3
14	28,5	90083	1	1	1	914,7951	2741,364	3
5	16	10212	1	1	1	514,3303	1026,646	2
5	16	10213	1	1	1	514,3326	1026,651	2
5	16	22238	1	1	1	584,8587	1167,703	2
5	16	22239	1	1	1	584,8592	1167,704	2
5	16	109326	1	1	1	1034,018	2066,021	2
5	16	109328	1	1	1	1034,019	2066,023	2
5	16	109331	1	1	1	1034,022	2066,029	2
5	16	55465	1	1	1	741,7121	2222,114	3
5	16	55468	1	1	1	741,7134	2222,118	3
5	16	55469	1	1	1	741,7136	2222,119	3
5	16	55470	1	1	1	741,7137	2222,119	3
5	16	55471	1	1	1	741,7139	2222,12	3
5	16	55472	1	1	1	741,714	2222,12	3
5	16	55474	1	1	1	741,7142	2222,121	3
5	16	55475	1	1	1	741,7143	2222,121	3
5	16	55476	1	1	1	741,7145	2222,122	3
5	16	55478	1	1	1	741,7151	2222,124	3
5	16	55480	1	1	1	741,7156	2222,125	3
5	16	55481	1	1	1	741,7157	2222,125	3
5	16	55483	1	1	1	741,716	2222,126	3
5	16	55484	1	1	1	741,7162	2222,127	3
5	16	55485	1	1	1	741,7165	2222,128	3
5	16	55486	1	1	1	741,7167	2222,128	3
5	16	55488	1	1	1	741,7171	2222,13	3
5	16	61526	1	1	1	770,0737	2307,199	3
17	40,8	24182	1	1	1	594,7673	1187,52	2
17	40,8	41667	1	1	1	678,821	1355,628	2
17	40,8	41668	1	1	1	678,8221	1355,63	2
17	40,8	45037	1	1	1	694,8252	1387,636	2
17	40,8	45038	1	1	1	694,8266	1387,639	2
17	40,8	45039	1	1	1	694,8282	1387,642	2
17	40,8	45040	1	1	1	694,8295	1387,645	2
17	40,8	46977	1	1	1	704,3644	1406,714	2
17	40,8	69991	1	1	1	810,4413	1618,868	2
17	40,8	69992	1	1	1	810,4421	1618,87	2
17	40,8	69995	1	1	1	810,4439	1618,873	2
17	40,8	74202	1	1	1	831,8856	1661,757	2
17	40,8	74211	1	1	1	831,8873	1661,76	2
17	40,8	22921	1	1	1	588,9289	1763,765	3

17	40,8	84981	1	1	1	888,4292	1774,844	2
17	40,8	24532	1	1	1	596,9498	1787,828	3
17	40,8	86205	1	1	1	894,9324	1787,85	2
17	40,8	94516	1	1	1	938,9519	1875,889	2
17	40,8	94521	1	1	1	938,9529	1875,891	2
17	40,8	108933	1	1	1	1031,014	2060,013	2
17	40,8	108934	1	1	1	1031,014	2060,014	2
17	40,8	51736	1	1	1	725,3698	2173,088	3
17	40,8	51737	1	1	1	725,3709	2173,091	3
17	40,8	63611	1	1	1	779,7243	2336,151	3
17	40,8	63613	1	1	1	779,7286	2336,164	3
17	40,8	71331	1	1	1	817,4199	2449,238	3
17	40,8	79770	1	1	1	860,4352	2578,284	3
17	40,8	92499	1	1	1	927,4587	2779,354	3
17	40,8	92502	1	1	1	927,46	2779,358	3
17	40,8	92503	1	1	1	927,4615	2779,363	3
17	40,8	92505	1	1	1	927,4637	2779,369	3
17	40,8	110678	1	1	1	1042,832	3125,474	3
15	34,7	22322	1	1	1	585,3396	1168,665	2
15	34,7	23799	1	1	1	592,3391	1182,664	2
15	34,7	30177	1	1	1	624,3375	1246,66	2
15	34,7	30178	1	1	1	624,3377	1246,661	2
15	34,7	30179	1	1	1	624,338	1246,662	2
15	34,7	44550	1	1	1	691,885	1381,755	2
15	34,7	44551	1	1	1	691,886	1381,758	2
15	34,7	44552	1	1	1	691,8863	1381,758	2
15	34,7	44555	1	1	1	691,8889	1381,763	2
15	34,7	46577	1	1	1	702,3877	1402,761	2
15	34,7	69643	1	1	1	808,4616	1614,909	2
15	34,7	92126	1	1	1	924,9086	1847,803	2
15	34,7	92127	1	1	1	924,9098	1847,805	2
15	34,7	92129	1	1	1	924,9108	1847,807	2
15	34,7	103896	1	1	1	997,991	1993,967	2
15	34,7	38741	1	1	1	665,6637	1993,969	3
15	34,7	38743	1	1	1	665,6643	1993,971	3
15	34,7	38744	1	1	1	665,6644	1993,971	3
15	34,7	38745	1	1	1	665,6648	1993,973	3
15	34,7	38746	1	1	1	665,6662	1993,977	3
15	34,7	108964	1	1	1	1031,466	2060,917	2
15	34,7	108966	1	1	1	1031,467	2060,92	2
15	34,7	108967	1	1	1	1031,468	2060,922	2
15	34,7	108968	1	1	1	1031,468	2060,922	2
15	34,7	108969	1	1	1	1031,469	2060,923	2
15	34,7	108972	1	1	1	1031,479	2060,943	2
15	34,7	116911	1	1	1	1089,063	2176,111	2
15	34,7	62487	1	1	1	774,7133	2321,118	3
15	34,7	62488	1	1	1	774,7133	2321,118	3
15	34,7	62489	1	1	1	774,7136	2321,119	3

15	34,7	82417	1	1	1	874,1247	2619,352	3
15	34,7	87720	1	1	1	902,4508	2704,331	3
15	34,7	95642	1	1	1	945,1492	2832,426	3
15	34,7	98771	1	1	1	964,7966	2891,368	3
14	41,7	43028	1	1	1	684,8142	1367,614	2
14	41,7	43030	1	1	1	684,8151	1367,616	2
14	41,7	43034	1	1	1	684,8162	1367,618	2
14	41,7	43035	1	1	1	684,8166	1367,619	2
14	41,7	43037	1	1	1	684,8168	1367,619	2
14	41,7	43040	1	1	1	684,8171	1367,62	2
14	41,7	43041	1	1	1	684,8172	1367,62	2
14	41,7	43042	1	1	1	684,8173	1367,62	2
14	41,7	43044	1	1	1	684,8174	1367,62	2
14	41,7	43045	1	1	1	684,8174	1367,62	2
14	41,7	48809	1	1	1	713,325	1424,635	2
14	41,7	48810	1	1	1	713,3252	1424,636	2
14	41,7	48811	1	1	1	713,3252	1424,636	2
14	41,7	48813	1	1	1	713,3256	1424,637	2
14	41,7	48815	1	1	1	713,3259	1424,637	2
14	41,7	48816	1	1	1	713,3263	1424,638	2
14	41,7	48817	1	1	1	713,327	1424,639	2
14	41,7	48818	1	1	1	713,3275	1424,64	2
14	41,7	48820	1	1	1	713,3282	1424,642	2
14	41,7	48821	1	1	1	713,3286	1424,643	2
14	41,7	48822	1	1	1	713,3286	1424,643	2
14	41,7	78742	1	1	1	854,9443	1707,874	2
14	41,7	88182	1	1	1	904,4789	1806,943	2
14	41,7	27565	1	1	1	612,9539	1835,84	3
14	41,7	27567	1	1	1	612,9541	1835,841	3
14	41,7	98191	1	1	1	961,02	1920,026	2
14	41,7	47743	1	1	1	707,3628	2119,067	3
14	41,7	116134	1	1	1	1084,083	2166,152	2
14	41,7	125021	1	1	1	1172,573	2343,132	2
14	41,7	125022	1	1	1	1172,574	2343,133	2
14	41,7	125393	1	1	1	1177,118	2352,222	2
14	41,7	125394	1	1	1	1177,119	2352,224	2
14	41,7	68927	1	1	1	805,7034	2414,088	3
14	41,7	72825	1	1	1	824,71	2471,108	3
14	41,7	72826	1	1	1	824,7101	2471,109	3
14	41,7	72827	1	1	1	824,7105	2471,11	3
14	41,7	72828	1	1	1	824,7106	2471,11	3
14	41,7	72829	1	1	1	824,7109	2471,111	3
14	41,7	72830	1	1	1	824,7123	2471,115	3
14	41,7	132363	1	1	1	1319,684	2637,353	2
14	41,7	132548	1	1	1	1326,182	2650,35	2
14	47,1	20822	1	1	1	577,8206	1153,627	2
14	47,1	20823	1	1	1	577,8207	1153,627	2
14	47,1	20824	1	1	1	577,8207	1153,627	2

14	47,1	20825	1	1	1	577,8208	1153,627	2
14	47,1	20826	1	1	1	577,8223	1153,63	2
14	47,1	20827	1	1	1	577,8229	1153,631	2
14	47,1	20828	1	1	1	577,8231	1153,632	2
14	47,1	27630	1	1	1	613,3392	1224,664	2
14	47,1	33702	1	1	1	641,8674	1281,72	2
14	47,1	38062	1	1	1	662,8723	1323,73	2
14	47,1	38063	1	1	1	662,8729	1323,731	2
14	47,1	38064	1	1	1	662,873	1323,731	2
14	47,1	41438	1	1	1	677,3882	1352,762	2
14	47,1	52172	1	1	1	727,3935	1452,772	2
14	47,1	52179	1	1	1	727,3948	1452,775	2
14	47,1	57716	1	1	1	751,9112	1501,808	2
14	47,1	10181	1	1	1	514,2736	1539,799	3
14	47,1	10184	1	1	1	514,2754	1539,804	3
14	47,1	61752	1	1	1	770,9099	1539,805	2
14	47,1	10188	1	1	1	514,2762	1539,807	3
14	47,1	61755	1	1	1	770,9109	1539,807	2
14	47,1	61756	1	1	1	770,912	1539,81	2
14	47,1	61758	1	1	1	770,9127	1539,811	2
14	47,1	61759	1	1	1	770,9132	1539,812	2
14	47,1	65242	1	1	1	787,4313	1572,848	2
14	47,1	72506	1	1	1	822,9462	1643,878	2
14	47,1	72507	1	1	1	822,947	1643,879	2
14	47,1	72508	1	1	1	822,9476	1643,881	2
14	47,1	72509	1	1	1	822,948	1643,882	2
14	47,1	72510	1	1	1	822,9482	1643,882	2
14	47,1	74800	1	1	1	834,961	1667,907	2
14	47,1	79474	1	1	1	858,466	1714,918	2
14	47,1	79476	1	1	1	858,4665	1714,918	2
14	47,1	105064	1	1	1	1006,508	2011,002	2
14	47,1	127139	1	1	1	1201,605	2401,196	2
12	49,4	25031	1	1	1	599,8388	1197,663	2
12	49,4	25032	1	1	1	599,8397	1197,665	2
12	49,4	34084	1	1	1	643,8382	1285,662	2
12	49,4	51863	1	1	1	725,8994	1449,784	2
12	49,4	56470	1	1	1	746,357	1490,7	2
12	49,4	56868	1	1	1	747,8699	1493,725	2
12	49,4	56869	1	1	1	747,8714	1493,728	2
12	49,4	66408	1	1	1	793,4224	1584,83	2
12	49,4	77199	1	1	1	846,9401	1691,866	2
12	49,4	77200	1	1	1	846,9403	1691,866	2
12	49,4	77202	1	1	1	846,9407	1691,867	2
12	49,4	38413	1	1	1	664,0021	1988,984	3
12	49,4	38415	1	1	1	664,0042	1988,991	3
12	49,4	38416	1	1	1	664,0045	1988,992	3
12	49,4	103539	1	1	1	995,5051	1988,996	2
12	49,4	48470	1	1	1	711,0122	2130,015	3



12	49,4	48471	1	1	1	711,0144	2130,021	3
12	49,4	48472	1	1	1	711,0154	2130,024	3
12	49,4	126099	1	1	1	1187,596	2373,176	2
12	49,4	126100	1	1	1	1187,596	2373,177	2
12	49,4	126101	1	1	1	1187,596	2373,177	2
12	49,4	126102	1	1	1	1187,599	2373,183	2
12	49,4	126103	1	1	1	1187,6	2373,185	2
12	49,4	126105	1	1	1	1187,601	2373,186	2
12	49,4	99966	1	1	1	972,5196	2914,537	3
12	49,4	114134	1	1	1	1068,204	3201,591	3
14	24,5	47402	1	1	1	705,8308	1409,647	2
14	24,5	59943	1	1	1	762,3723	1522,73	2
14	24,5	60560	1	1	1	765,3782	1528,742	2
14	24,5	60568	1	1	1	765,3793	1528,744	2
14	24,5	87642	1	1	1	902,4119	1802,809	2
14	24,5	25473	1	1	1	601,9446	1802,812	3
14	24,5	87645	1	1	1	902,4141	1802,814	2
14	24,5	87646	1	1	1	902,4162	1802,818	2
14	24,5	87647	1	1	1	902,4163	1802,818	2
14	24,5	91503	1	1	1	921,9531	1841,892	2
14	24,5	91505	1	1	1	921,9584	1841,902	2
14	24,5	96408	1	1	1	950,4637	1898,913	2
14	24,5	108063	1	1	1	1025,553	2049,092	2
14	24,5	43930	1	1	1	689,0062	2063,997	3
14	24,5	43931	1	1	1	689,0071	2063,999	3
14	24,5	43932	1	1	1	689,0071	2064	3
14	24,5	43933	1	1	1	689,0072	2064	3
14	24,5	43934	1	1	1	689,0082	2064,003	3
14	24,5	109238	1	1	1	1033,016	2064,018	2
14	24,5	53289	1	1	1	732,0658	2193,176	3
14	24,5	119158	1	1	1	1109,047	2216,08	2
14	24,5	119159	1	1	1	1109,048	2216,081	2
14	24,5	123954	1	1	1	1159,568	2317,122	2
14	24,5	126115	1	1	1	1188,082	2374,15	2
14	24,5	128073	1	1	1	1216,592	2431,169	2
14	24,5	130635	1	1	1	1267,114	2532,213	2
14	24,5	79543	1	1	1	859,0929	2574,257	3
8	36,5	30999	1	1	1	628,8111	1255,608	2
8	36,5	31001	1	1	1	628,8128	1255,611	2
8	36,5	31002	1	1	1	628,8144	1255,614	2
8	36,5	43201	1	1	1	685,3531	1368,692	2
8	36,5	53899	1	1	1	734,8874	1467,76	2
8	36,5	53902	1	1	1	734,8883	1467,762	2
8	36,5	53908	1	1	1	734,8896	1467,765	2
8	36,5	70863	1	1	1	814,9197	1627,825	2
8	36,5	70864	1	1	1	814,9197	1627,825	2
8	36,5	70865	1	1	1	814,92	1627,825	2
8	36,5	70867	1	1	1	814,9205	1627,827	2

8	36,5	70868	1	1	1	814,9223	1627,83	2
8	36,5	72487	1	1	1	822,916	1643,817	2
8	36,5	72488	1	1	1	822,9162	1643,818	2
8	36,5	72489	1	1	1	822,9168	1643,819	2
8	36,5	72492	1	1	1	822,9174	1643,82	2
8	36,5	72493	1	1	1	822,9175	1643,82	2
8	36,5	72495	1	1	1	822,919	1643,824	2
8	36,5	110433	1	1	1	1041,002	2079,99	2
8	36,5	110434	1	1	1	1041,004	2079,994	2
8	36,5	113854	1	1	1	1066,05	2130,086	2
8	36,5	118816	1	1	1	1105,052	2208,09	2
8	36,5	118818	1	1	1	1105,053	2208,091	2
8	36,5	125970	1	1	1	1186,142	2370,27	2
8	36,5	65803	1	1	1	791,0978	2370,272	3
19	18,1	29252	1	1	1	620,8366	1239,659	2
19	18,1	29253	1	1	1	620,8367	1239,659	2
19	18,1	29278	1	1	1	620,8693	1239,724	2
19	18,1	33657	1	1	1	641,7917	1281,569	2
19	18,1	34074	1	1	1	643,8293	1285,644	2
19	18,1	34567	1	1	1	645,8298	1289,645	2
19	18,1	34569	1	1	1	645,831	1289,647	2
19	18,1	34570	1	1	1	645,8314	1289,648	2
19	18,1	35375	1	1	1	649,7899	1297,565	2
19	18,1	35378	1	1	1	649,7915	1297,569	2
19	18,1	44651	1	1	1	692,3552	1382,696	2
19	18,1	44653	1	1	1	692,3567	1382,699	2
19	18,1	50643	1	1	1	720,9101	1439,806	2
19	18,1	59236	1	1	1	758,8531	1515,692	2
19	18,1	61858	1	1	1	771,4346	1540,855	2
19	18,1	67792	1	1	1	800,3885	1598,762	2
19	18,1	67796	1	1	1	800,3936	1598,773	2
19	18,1	67797	1	1	1	800,3941	1598,774	2
19	18,1	15240	1	1	1	546,9708	1637,891	3
19	18,1	15241	1	1	1	546,9713	1637,892	3
19	18,1	71782	1	1	1	819,9604	1637,906	2
19	18,1	71783	1	1	1	819,9615	1637,909	2
19	18,1	71784	1	1	1	819,9627	1637,911	2
19	18,1	79149	1	1	1	856,9175	1711,821	2
19	18,1	22162	1	1	1	584,6672	1750,98	3
19	18,1	22163	1	1	1	584,6674	1750,98	3
19	18,1	82880	1	1	1	876,501	1750,988	2
19	18,1	85491	1	1	1	890,909	1779,803	2
19	18,1	95891	1	1	1	947,4516	1892,889	2
19	18,1	103222	1	1	1	993,5532	1985,092	2
19	18,1	103238	1	1	1	993,9641	1985,914	2
19	18,1	103239	1	1	1	993,9642	1985,914	2
19	18,1	103240	1	1	1	993,9647	1985,915	2
19	18,1	59297	1	1	1	759,0064	2273,998	3

19	18,1	90327	1	1	1	916,102	2745,284	3
10	36,1	22545	1	1	1	586,8689	1171,723	2
10	36,1	22547	1	1	1	586,8713	1171,728	2
10	36,1	26853	1	1	1	609,314	1216,614	2
10	36,1	26855	1	1	1	609,3144	1216,614	2
10	36,1	26857	1	1	1	609,3151	1216,616	2
10	36,1	26861	1	1	1	609,3166	1216,619	2
10	36,1	34038	1	1	1	643,4146	1284,815	2
10	36,1	34039	1	1	1	643,4148	1284,815	2
10	36,1	34040	1	1	1	643,4157	1284,817	2
10	36,1	35625	1	1	1	650,8536	1299,693	2
10	36,1	35627	1	1	1	650,8552	1299,696	2
10	36,1	35628	1	1	1	650,8555	1299,696	2
10	36,1	35629	1	1	1	650,8556	1299,697	2
10	36,1	35630	1	1	1	650,8561	1299,698	2
10	36,1	35632	1	1	1	650,8565	1299,698	2
10	36,1	35634	1	1	1	650,8585	1299,702	2
10	36,1	35635	1	1	1	650,8587	1299,703	2
10	36,1	43629	1	1	1	687,397	1372,78	2
10	36,1	43631	1	1	1	687,3973	1372,78	2
10	36,1	61860	1	1	1	771,4425	1540,87	2
10	36,1	61861	1	1	1	771,4429	1540,871	2
10	36,1	61862	1	1	1	771,4439	1540,873	2
10	36,1	14380	1	1	1	540,6045	1618,792	3
10	36,1	90114	1	1	1	914,9723	1827,93	2
10	36,1	56843	1	1	1	747,7178	2240,132	3
10	36,1	56844	1	1	1	747,7202	2240,139	3
10	36,1	116417	1	1	1	1085,56	3253,659	3
9	18,5	25452	1	1	1	601,8226	1201,631	2
9	18,5	25454	1	1	1	601,8232	1201,632	2
9	18,5	25455	1	1	1	601,8239	1201,633	2
9	18,5	25456	1	1	1	601,8242	1201,634	2
9	18,5	25457	1	1	1	601,825	1201,635	2
9	18,5	25458	1	1	1	601,8252	1201,636	2
9	18,5	25461	1	1	1	601,8257	1201,637	2
9	18,5	25462	1	1	1	601,8259	1201,637	2
9	18,5	25463	1	1	1	601,8262	1201,638	2
9	18,5	25465	1	1	1	601,8266	1201,639	2
9	18,5	25469	1	1	1	601,8368	1201,659	2
9	18,5	47858	1	1	1	707,9025	1413,791	2
9	18,5	47859	1	1	1	707,9036	1413,793	2
9	18,5	47860	1	1	1	707,9049	1413,795	2
9	18,5	47862	1	1	1	707,9053	1413,796	2
9	18,5	47864	1	1	1	707,9062	1413,798	2
9	18,5	47865	1	1	1	707,9063	1413,798	2
9	18,5	69973	1	1	1	810,4231	1618,832	2
9	18,5	81068	1	1	1	866,9644	1731,914	2
9	18,5	94852	1	1	1	940,4979	1878,981	2

9	18,5	94853	1	1	1	940,4982	1878,982	2
9	18,5	107076	1	1	1	1018,542	2035,069	2
9	18,5	107077	1	1	1	1018,546	2035,077	2
9	18,5	114259	1	1	1	1069,066	2136,118	2
9	18,5	120288	1	1	1	1118,6	2235,186	2
9	18,5	61527	1	1	1	770,0999	2307,278	3
9	18,5	61528	1	1	1	770,1001	2307,279	3
15	52,1	2898	1	1	1	450,7586	899,5027	2
15	52,1	20034	1	1	1	573,8282	1145,642	2
15	52,1	23010	1	1	1	589,3081	1176,602	2
15	52,1	33673	1	1	1	641,8228	1281,631	2
15	52,1	33674	1	1	1	641,8234	1281,632	2
15	52,1	42199	1	1	1	681,3505	1360,686	2
15	52,1	42200	1	1	1	681,3506	1360,687	2
15	52,1	42203	1	1	1	681,3511	1360,688	2
15	52,1	42204	1	1	1	681,3514	1360,688	2
15	52,1	45364	1	1	1	696,3755	1390,736	2
15	52,1	45365	1	1	1	696,3755	1390,737	2
15	52,1	45367	1	1	1	696,3762	1390,738	2
15	52,1	45368	1	1	1	696,3766	1390,739	2
15	52,1	45369	1	1	1	696,3767	1390,739	2
15	52,1	45370	1	1	1	696,3778	1390,741	2
15	52,1	45371	1	1	1	696,3787	1390,743	2
15	52,1	78988	1	1	1	855,9623	1709,91	2
15	52,1	82407	1	1	1	873,9896	1745,965	2
15	52,1	44479	1	1	1	691,7305	2072,17	3
15	52,1	115653	1	1	1	1079,13	2156,246	2
15	52,1	50321	1	1	1	719,7566	2156,248	3
15	52,1	50322	1	1	1	719,7571	2156,25	3
15	52,1	123909	1	1	1	1159,05	2316,085	2
15	52,1	64258	1	1	1	783,064	2346,17	3
15	52,1	70853	1	1	1	814,7749	2441,303	3
15	52,1	90072	1	1	1	914,5217	2740,543	3
15	52,1	90073	1	1	1	914,5232	2740,548	3
15	52,1	122986	1	1	1	1146,602	3436,783	3
11	28,3	19015	1	1	1	567,8128	1133,611	2
11	28,3	19016	1	1	1	567,813	1133,611	2
11	28,3	19017	1	1	1	567,8133	1133,612	2
11	28,3	19018	1	1	1	567,8144	1133,614	2
11	28,3	22091	1	1	1	584,2823	1166,55	2
11	28,3	22092	1	1	1	584,2823	1166,55	2
11	28,3	22093	1	1	1	584,2824	1166,55	2
11	28,3	44332	1	1	1	690,8871	1379,76	2
11	28,3	54747	1	1	1	737,9076	1473,801	2
11	28,3	65738	1	1	1	790,4366	1578,859	2
11	28,3	69841	1	1	1	809,892	1617,77	2
11	28,3	87441	1	1	1	900,9691	1799,924	2
11	28,3	87442	1	1	1	900,9714	1799,928	2

11	28,3	92420	1	1	1	926,9262	1851,838	2
11	28,3	92421	1	1	1	926,9278	1851,841	2
11	28,3	92423	1	1	1	926,9296	1851,845	2
11	28,3	93839	1	1	1	934,9255	1867,836	2
11	28,3	41237	1	1	1	676,6854	2027,035	3
11	28,3	44200	1	1	1	690,3609	2068,061	3
11	28,3	44203	1	1	1	690,3619	2068,064	3
11	28,3	44209	1	1	1	690,364	2068,07	3
11	28,3	44211	1	1	1	690,3647	2068,072	3
11	28,3	82791	1	1	1	876,4024	2626,185	3
11	28,3	82795	1	1	1	876,4078	2626,202	3
11	28,3	82796	1	1	1	876,4081	2626,202	3
13	39,1	8920	1	1	1	505,7869	1009,559	2
13	39,1	16474	1	1	1	554,3149	1106,615	2
13	39,1	16475	1	1	1	554,3157	1106,617	2
13	39,1	23284	1	1	1	590,3081	1178,602	2
13	39,1	23287	1	1	1	590,3105	1178,607	2
13	39,1	30342	1	1	1	625,3496	1248,685	2
13	39,1	30343	1	1	1	625,3539	1248,693	2
13	39,1	30344	1	1	1	625,3543	1248,694	2
13	39,1	34837	1	1	1	646,8542	1291,694	2
13	39,1	37855	1	1	1	661,8895	1321,764	2
13	39,1	42056	1	1	1	680,3801	1358,746	2
13	39,1	42057	1	1	1	680,3801	1358,746	2
13	39,1	42058	1	1	1	680,3808	1358,747	2
13	39,1	42059	1	1	1	680,3812	1358,748	2
13	39,1	42060	1	1	1	680,3815	1358,749	2
13	39,1	46885	1	1	1	703,8762	1405,738	2
13	39,1	60958	1	1	1	767,3845	1532,755	2
13	39,1	60960	1	1	1	767,3847	1532,755	2
13	39,1	60962	1	1	1	767,3851	1532,756	2
13	39,1	64227	1	1	1	782,9078	1563,801	2
13	39,1	64228	1	1	1	782,9079	1563,801	2
13	39,1	64229	1	1	1	782,9081	1563,802	2
13	39,1	64230	1	1	1	782,9095	1563,805	2
13	39,1	64231	1	1	1	782,9105	1563,807	2
13	39,1	93155	1	1	1	930,501	1858,988	2
13	39,1	37472	1	1	1	660,03	1977,068	3
13	39,1	37473	1	1	1	660,0306	1977,07	3
13	39,1	67875	1	1	1	800,4302	2398,269	3
13	39,1	67878	1	1	1	800,4314	2398,273	3
13	39,1	67879	1	1	1	800,4319	2398,274	3
13	39,1	67881	1	1	1	800,4327	2398,276	3
9	21,6	285	1	1	1	379,7075	757,4005	2
9	21,6	287	1	1	1	379,7078	757,4011	2
9	21,6	1417	1	1	1	423,2239	844,4331	2
9	21,6	1420	1	1	1	423,2246	844,4346	2
9	21,6	1421	1	1	1	423,2247	844,4348	2

9	21,6	11745	1	1	1	523,2809	1044,547	2
9	21,6	11749	1	1	1	523,2817	1044,549	2
9	21,6	11753	1	1	1	523,2862	1044,558	2
9	21,6	64404	1	1	1	783,8719	1565,729	2
9	21,6	64405	1	1	1	783,8744	1565,734	2
9	21,6	64406	1	1	1	783,8768	1565,739	2
9	21,6	79225	1	1	1	857,4106	1712,807	2
9	21,6	99722	1	1	1	970,9659	1939,917	2
9	21,6	99723	1	1	1	970,9678	1939,921	2
9	21,6	99724	1	1	1	970,9689	1939,923	2
9	21,6	99725	1	1	1	970,9689	1939,923	2
9	21,6	99726	1	1	1	970,969	1939,923	2
9	21,6	99727	1	1	1	970,9698	1939,925	2
9	21,6	99729	1	1	1	970,9714	1939,928	2
9	21,6	54621	1	1	1	737,7015	2210,083	3
9	21,6	54622	1	1	1	737,7021	2210,085	3
9	21,6	118913	1	1	1	1106,054	2210,092	2
9	21,6	54624	1	1	1	737,7049	2210,093	3
9	21,6	54625	1	1	1	737,7057	2210,095	3
9	21,6	60881	1	1	1	767,0614	2298,162	3
9	21,6	62657	1	1	1	775,3958	2323,166	3
9	21,6	62661	1	1	1	775,3974	2323,17	3
9	21,6	62663	1	1	1	775,3993	2323,176	3
9	21,6	62672	1	1	1	775,4012	2323,182	3
9	21,6	62675	1	1	1	775,4015	2323,183	3
15	37,2	15327	1	1	1	547,7602	1093,506	2
15	37,2	24575	1	1	1	597,2934	1192,572	2
15	37,2	31564	1	1	1	631,3103	1260,606	2
15	37,2	36126	1	1	1	653,8328	1305,651	2
15	37,2	36129	1	1	1	653,8336	1305,653	2
15	37,2	36135	1	1	1	653,8362	1305,658	2
15	37,2	37823	1	1	1	661,8279	1321,641	2
15	37,2	37824	1	1	1	661,8296	1321,645	2
15	37,2	37828	1	1	1	661,8314	1321,648	2
15	37,2	37830	1	1	1	661,8315	1321,648	2
15	37,2	37831	1	1	1	661,8315	1321,648	2
15	37,2	37834	1	1	1	661,8325	1321,651	2
15	37,2	46865	1	1	1	703,8456	1405,677	2
15	37,2	55290	1	1	1	740,8848	1479,755	2
15	37,2	57905	1	1	1	752,8906	1503,767	2
15	37,2	61787	1	1	1	771,3579	1540,701	2
15	37,2	64371	1	1	1	783,4096	1564,805	2
15	37,2	72633	1	1	1	823,4179	1644,821	2
15	37,2	72636	1	1	1	823,4185	1644,823	2
15	37,2	80717	1	1	1	865,4072	1728,8	2
15	37,2	80718	1	1	1	865,4086	1728,803	2
15	37,2	82704	1	1	1	875,477	1748,939	2
15	37,2	31728	1	1	1	632,3125	1893,916	3

15	37,2	31730	1	1	1	632,316	1893,926	3
15	37,2	96022	1	1	1	947,9755	1893,937	2
15	37,2	96024	1	1	1	947,9783	1893,942	2
15	37,2	35580	1	1	1	650,6879	1949,042	3
15	37,2	100539	1	1	1	975,5292	1949,044	2
15	37,2	35581	1	1	1	650,6897	1949,047	3
15	37,2	48916	1	1	1	713,6762	2138,007	3
15	37,2	48918	1	1	1	713,6779	2138,012	3
13	24,4	29349	1	1	1	621,3232	1240,632	2
13	24,4	36319	1	1	1	654,8512	1307,688	2
13	24,4	38211	1	1	1	663,371	1324,727	2
13	24,4	38212	1	1	1	663,3717	1324,729	2
13	24,4	39853	1	1	1	670,859	1339,704	2
13	24,4	41644	1	1	1	678,4068	1354,799	2
13	24,4	41645	1	1	1	678,4074	1354,8	2
13	24,4	60197	1	1	1	763,4589	1524,903	2
13	24,4	60198	1	1	1	763,4603	1524,906	2
13	24,4	60200	1	1	1	763,4618	1524,909	2
13	24,4	60201	1	1	1	763,4624	1524,91	2
13	24,4	60202	1	1	1	763,4631	1524,912	2
13	24,4	60203	1	1	1	763,4634	1524,912	2
13	24,4	71072	1	1	1	815,9422	1629,87	2
13	24,4	80345	1	1	1	863,4532	1724,892	2
13	24,4	34650	1	1	1	646,0089	1935,005	3
13	24,4	34656	1	1	1	646,0118	1935,014	3
13	24,4	99348	1	1	1	968,5181	1935,022	2
13	24,4	99349	1	1	1	968,5182	1935,022	2
13	24,4	99350	1	1	1	968,5183	1935,022	2
13	24,4	46058	1	1	1	700,365	2098,073	3
13	24,4	54767	1	1	1	738,0598	2211,158	3
13	24,4	54768	1	1	1	738,0604	2211,159	3
13	24,4	83249	1	1	1	878,4716	2632,393	3
13	24,4	99657	1	1	1	970,5193	2908,536	3
13	24,4	99665	1	1	1	970,5249	2908,553	3
12	28,1	11193	1	1	1	519,785	1037,555	2
12	28,1	19240	1	1	1	569,3201	1136,626	2
12	28,1	30440	1	1	1	625,862	1249,709	2
12	28,1	30441	1	1	1	625,8624	1249,71	2
12	28,1	30442	1	1	1	625,8626	1249,711	2
12	28,1	35194	1	1	1	648,8182	1295,622	2
12	28,1	35195	1	1	1	648,819	1295,624	2
12	28,1	44457	1	1	1	691,3822	1380,75	2
12	28,1	53597	1	1	1	733,3779	1464,741	2
12	28,1	53598	1	1	1	733,3781	1464,742	2
12	28,1	53604	1	1	1	733,3807	1464,747	2
12	28,1	55295	1	1	1	740,9156	1479,817	2
12	28,1	55297	1	1	1	740,9158	1479,817	2
12	28,1	55303	1	1	1	740,918	1479,822	2

12	28,1	57146	1	1	1	748,9123	1495,81	2
12	28,1	57147	1	1	1	748,9136	1495,813	2
12	28,1	72959	1	1	1	825,8637	1649,713	2
12	28,1	88807	1	1	1	907,9374	1813,86	2
12	28,1	44925	1	1	1	693,9974	2078,97	3
12	28,1	44926	1	1	1	693,9977	2078,971	3
12	28,1	44927	1	1	1	693,9981	2078,972	3
12	28,1	60509	1	1	1	765,0346	2292,082	3
12	28,1	104353	1	1	1	1000,842	2999,503	3
4	72,3	22224	1	1	1	584,8169	1167,619	2
4	72,3	21410	1	1	1	580,6169	1738,829	3
4	72,3	96212	1	1	1	948,9613	1895,908	2
4	72,3	96213	1	1	1	948,9629	1895,911	2
4	72,3	96215	1	1	1	948,9653	1895,916	2
4	72,3	96217	1	1	1	948,9696	1895,925	2
4	72,3	97529	1	1	1	956,9584	1911,902	2
4	72,3	97533	1	1	1	956,9598	1911,905	2
4	72,3	97537	1	1	1	956,9618	1911,909	2
4	72,3	97538	1	1	1	956,962	1911,909	2
4	72,3	97539	1	1	1	956,9623	1911,91	2
4	72,3	97540	1	1	1	956,9631	1911,912	2
4	72,3	110955	1	1	1	1045,016	2088,017	2
4	72,3	110956	1	1	1	1045,016	2088,017	2
4	72,3	110958	1	1	1	1045,018	2088,022	2
4	72,3	110959	1	1	1	1045,019	2088,023	2
4	72,3	110960	1	1	1	1045,019	2088,023	2
4	72,3	110962	1	1	1	1045,02	2088,025	2
4	72,3	110963	1	1	1	1045,02	2088,026	2
4	72,3	110964	1	1	1	1045,02	2088,026	2
4	72,3	110965	1	1	1	1045,022	2088,029	2
9	65,7	20298	1	1	1	575,3121	1148,61	2
9	65,7	20302	1	1	1	575,3139	1148,613	2
9	65,7	33203	1	1	1	639,3144	1276,614	2
9	65,7	49647	1	1	1	716,3664	1430,718	2
9	65,7	49650	1	1	1	716,3673	1430,72	2
9	65,7	49653	1	1	1	716,3675	1430,721	2
9	65,7	49654	1	1	1	716,3678	1430,721	2
9	65,7	49658	1	1	1	716,3681	1430,722	2
9	65,7	49660	1	1	1	716,3683	1430,722	2
9	65,7	49664	1	1	1	716,3689	1430,723	2
9	65,7	49667	1	1	1	716,3697	1430,725	2
9	65,7	57578	1	1	1	751,3705	1500,727	2
9	65,7	57580	1	1	1	751,3707	1500,727	2
9	65,7	57582	1	1	1	751,371	1500,728	2
9	65,7	57584	1	1	1	751,3714	1500,728	2
9	65,7	62942	1	1	1	776,4072	1550,8	2
9	65,7	62943	1	1	1	776,4075	1550,8	2
9	65,7	51956	1	1	1	726,6904	2177,05	3



9	65,7	51957	1	1	1	726,6939	2177,06	3
9	65,7	63551	1	1	1	779,3931	2335,157	3
9	65,7	72166	1	1	1	821,4144	2461,221	3
9	65,7	72167	1	1	1	821,4146	2461,222	3
9	65,7	86726	1	1	1	897,4504	2689,329	3
9	65,7	86728	1	1	1	897,4521	2689,335	3
11	75,2	27729	1	1	1	613,842	1225,669	2
11	75,2	27731	1	1	1	613,8439	1225,673	2
11	75,2	27732	1	1	1	613,8439	1225,673	2
11	75,2	62139	1	1	1	772,879	1543,744	2
11	75,2	13394	1	1	1	533,9371	1598,79	3
11	75,2	13397	1	1	1	533,9386	1598,794	3
11	75,2	18986	1	1	1	567,6193	1699,836	3
11	75,2	18988	1	1	1	567,6197	1699,837	3
11	75,2	30467	1	1	1	625,968	1874,882	3
11	75,2	34382	1	1	1	644,6524	1930,935	3
11	75,2	45408	1	1	1	696,6842	2087,031	3
11	75,2	45410	1	1	1	696,6843	2087,031	3
11	75,2	45411	1	1	1	696,6843	2087,031	3
11	75,2	112682	1	1	1	1056,551	2111,087	2
11	75,2	51071	1	1	1	722,6831	2165,028	3
11	75,2	117241	1	1	1	1091,055	2180,096	2
11	75,2	69880	1	1	1	810,0592	2427,156	3
11	75,2	69881	1	1	1	810,0595	2427,157	3
11	75,2	69882	1	1	1	810,0598	2427,158	3
11	75,2	69884	1	1	1	810,0609	2427,161	3
11	75,2	69886	1	1	1	810,0616	2427,163	3
11	75,2	69887	1	1	1	810,0639	2427,17	3
15	46	44679	1	1	1	692,3746	1382,735	2
15	46	59591	1	1	1	760,3608	1518,707	2
15	46	59830	1	1	1	761,4343	1520,854	2
15	46	79521	1	1	1	858,9228	1715,831	2
15	46	85643	1	1	1	891,5094	1781,004	2
15	46	27174	1	1	1	611,3075	1830,901	3
15	46	94920	1	1	1	941,0444	1880,074	2
15	46	97682	1	1	1	957,9788	1913,943	2
15	46	103192	1	1	1	993,4955	1984,977	2
15	46	103249	1	1	1	993,9958	1985,977	2
15	46	118918	1	1	1	1106,118	2210,222	2
15	46	118919	1	1	1	1106,119	2210,224	2
15	46	54637	1	1	1	737,7497	2210,227	3
15	46	119897	1	1	1	1115,042	2228,069	2
15	46	123686	1	1	1	1156,128	2310,242	2
15	46	123687	1	1	1	1156,129	2310,243	2
15	46	61772	1	1	1	771,0888	2310,245	3
15	46	61773	1	1	1	771,089	2310,245	3
15	46	61774	1	1	1	771,09	2310,248	3
15	46	61775	1	1	1	771,0902	2310,249	3

15	46	129145	1	1	1	1232,089	2462,163	2
15	46	129147	1	1	1	1232,09	2462,165	2
15	46	129148	1	1	1	1232,093	2462,172	2
15	46	121293	1	1	1	1129,282	3384,825	3
16	39,8	15750	1	1	1	549,8137	1097,613	2
16	39,8	23368	1	1	1	590,8187	1179,623	2
16	39,8	27953	1	1	1	614,7966	1227,579	2
16	39,8	39045	1	1	1	666,3485	1330,683	2
16	39,8	39049	1	1	1	666,3521	1330,69	2
16	39,8	39938	1	1	1	671,3385	1340,662	2
16	39,8	39939	1	1	1	671,3386	1340,663	2
16	39,8	50169	1	1	1	718,87	1435,725	2
16	39,8	50170	1	1	1	718,874	1435,733	2
16	39,8	50615	1	1	1	720,8759	1439,737	2
16	39,8	50619	1	1	1	720,879	1439,743	2
16	39,8	55774	1	1	1	743,354	1484,694	2
16	39,8	55776	1	1	1	743,3542	1484,694	2
16	39,8	55779	1	1	1	743,3574	1484,7	2
16	39,8	61652	1	1	1	770,409	1538,803	2
16	39,8	63759	1	1	1	780,3916	1558,769	2
16	39,8	63765	1	1	1	780,3949	1558,775	2
16	39,8	13228	1	1	1	532,9504	1595,829	3
16	39,8	71773	1	1	1	819,9443	1637,874	2
16	39,8	71776	1	1	1	819,9452	1637,876	2
16	39,8	71778	1	1	1	819,9458	1637,877	2
16	39,8	71780	1	1	1	819,9498	1637,885	2
16	39,8	31686	1	1	1	632,0186	1893,034	3
16	39,8	49038	1	1	1	714,0026	2138,986	3
16	39,8	50707	1	1	1	721,3427	2161,006	3
16	39,8	50710	1	1	1	721,3438	2161,01	3
16	39,8	60290	1	1	1	764,0588	2289,155	3
16	39,8	60291	1	1	1	764,0605	2289,16	3
11	23,3	42710	1	1	1	683,8153	1365,616	2
11	23,3	55197	1	1	1	740,3549	1478,695	2
11	23,3	55199	1	1	1	740,3556	1478,697	2
11	23,3	72914	1	1	1	825,4117	1648,809	2
11	23,3	78241	1	1	1	852,3838	1702,753	2
11	23,3	78256	1	1	1	852,39	1702,765	2
11	23,3	78259	1	1	1	852,3924	1702,77	2
11	23,3	85898	1	1	1	893,4417	1784,869	2
11	23,3	97234	1	1	1	955,4697	1908,925	2
11	23,3	97237	1	1	1	955,4716	1908,929	2
11	23,3	32817	1	1	1	637,3198	1908,938	3
11	23,3	35073	1	1	1	647,9988	1940,975	3
11	23,3	40619	1	1	1	674,0508	2019,131	3
11	23,3	45404	1	1	1	696,6623	2086,965	3
11	23,3	116505	1	1	1	1086,063	2170,111	2
11	23,3	116506	1	1	1	1086,064	2170,113	2

11	23,3	116507	1	1	1	1086,064	2170,113	2
11	23,3	116509	1	1	1	1086,064	2170,114	2
11	23,3	116510	1	1	1	1086,065	2170,115	2
11	23,3	116511	1	1	1	1086,065	2170,116	2
11	23,3	99001	1	1	1	966,7431	2897,208	3
11	23,3	99002	1	1	1	966,7509	2897,231	3
6	26	39027	1	1	1	666,3396	1330,665	2
6	26	39028	1	1	1	666,3399	1330,665	2
6	26	74295	1	1	1	832,411	1662,807	2
6	26	74299	1	1	1	832,4131	1662,812	2
6	26	74303	1	1	1	832,4136	1662,813	2
6	26	74307	1	1	1	832,4139	1662,813	2
6	26	82042	1	1	1	872,395	1742,775	2
6	26	82044	1	1	1	872,3959	1742,777	2
6	26	37168	1	1	1	658,6271	1972,86	3
6	26	37169	1	1	1	658,6276	1972,861	3
6	26	102190	1	1	1	987,4407	1972,867	2
6	26	102191	1	1	1	987,441	1972,868	2
6	26	76213	1	1	1	841,7479	2522,222	3
6	26	83841	1	1	1	881,7959	2642,366	3
6	26	83844	1	1	1	881,798	2642,372	3
6	26	83845	1	1	1	881,7987	2642,374	3
6	26	83846	1	1	1	881,7998	2642,378	3
6	26	83847	1	1	1	881,8003	2642,379	3
13	36,9	14258	1	1	1	539,7763	1077,538	2
13	36,9	24435	1	1	1	596,3186	1190,623	2
13	36,9	24438	1	1	1	596,3189	1190,623	2
13	36,9	24440	1	1	1	596,3194	1190,624	2
13	36,9	24442	1	1	1	596,3215	1190,628	2
13	36,9	28516	1	1	1	617,8394	1233,664	2
13	36,9	43990	1	1	1	689,3951	1376,776	2
13	36,9	46161	1	1	1	700,8505	1399,686	2
13	36,9	74059	1	1	1	830,9324	1659,85	2
13	36,9	86351	1	1	1	895,4736	1788,933	2
13	36,9	36468	1	1	1	655,3544	1963,042	3
13	36,9	49800	1	1	1	717,0485	2148,124	3
13	36,9	56014	1	1	1	744,053	2229,137	3
13	36,9	58239	1	1	1	754,7441	2261,21	3
13	36,9	70568	1	1	1	813,3943	2437,161	3
13	36,9	70571	1	1	1	813,3947	2437,162	3
13	36,9	70572	1	1	1	813,3947	2437,162	3
13	36,9	75974	1	1	1	840,4422	2518,305	3
13	36,9	75976	1	1	1	840,4442	2518,311	3
13	36,9	75977	1	1	1	840,4442	2518,311	3
13	36,9	75978	1	1	1	840,4453	2518,314	3
10	22,1	10264	1	1	1	514,7809	1027,547	2
10	22,1	22599	1	1	1	587,2902	1172,566	2
10	22,1	22603	1	1	1	587,2919	1172,569	2

10	22,1	23257	1	1	1	590,288	1178,562	2
10	22,1	23259	1	1	1	590,2885	1178,562	2
10	22,1	23260	1	1	1	590,2892	1178,564	2
10	22,1	24270	1	1	1	595,292	1188,57	2
10	22,1	24271	1	1	1	595,2921	1188,57	2
10	22,1	34826	1	1	1	646,8302	1291,646	2
10	22,1	34827	1	1	1	646,8313	1291,648	2
10	22,1	35719	1	1	1	651,3215	1300,629	2
10	22,1	35720	1	1	1	651,3222	1300,63	2
10	22,1	35733	1	1	1	651,3261	1300,638	2
10	22,1	37292	1	1	1	659,3159	1316,617	2
10	22,1	37293	1	1	1	659,3163	1316,618	2
10	22,1	37295	1	1	1	659,318	1316,621	2
10	22,1	37297	1	1	1	659,3183	1316,622	2
10	22,1	42449	1	1	1	682,3467	1362,679	2
10	22,1	42451	1	1	1	682,3476	1362,681	2
10	22,1	42456	1	1	1	682,3504	1362,686	2
10	22,1	42460	1	1	1	682,3519	1362,689	2
10	22,1	51591	1	1	1	724,8703	1447,726	2
10	22,1	90298	1	1	1	915,9436	1829,873	2
10	22,1	90299	1	1	1	915,9447	1829,875	2
10	22,1	90300	1	1	1	915,9449	1829,875	2
10	22,1	90301	1	1	1	915,9461	1829,878	2
10	22,1	63039	1	1	1	777,04	2328,098	3
10	22,1	75543	1	1	1	838,4128	2512,217	3
10	22,1	75547	1	1	1	838,4136	2512,219	3
11	35,5	13073	1	1	1	531,7836	1061,553	2
11	35,5	13075	1	1	1	531,7839	1061,553	2
11	35,5	24689	1	1	1	597,8384	1193,662	2
11	35,5	24690	1	1	1	597,8404	1193,666	2
11	35,5	24691	1	1	1	597,8423	1193,67	2
11	35,5	24694	1	1	1	597,8445	1193,674	2
11	35,5	44546	1	1	1	691,8821	1381,75	2
11	35,5	44547	1	1	1	691,8824	1381,75	2
11	35,5	44548	1	1	1	691,8827	1381,751	2
11	35,5	44549	1	1	1	691,8828	1381,751	2
11	35,5	47780	1	1	1	707,4277	1412,841	2
11	35,5	48304	1	1	1	709,9095	1417,804	2
11	35,5	59026	1	1	1	757,9567	1513,899	2
11	35,5	78102	1	1	1	851,9285	1701,843	2
11	35,5	78105	1	1	1	851,9298	1701,845	2
11	35,5	78108	1	1	1	851,9314	1701,848	2
11	35,5	78110	1	1	1	851,9319	1701,849	2
11	35,5	38501	1	1	1	664,3523	1990,035	3
11	35,5	43653	1	1	1	687,6978	2060,072	3
11	35,5	43654	1	1	1	687,6983	2060,073	3
11	35,5	43655	1	1	1	687,6984	2060,073	3
11	35,5	43656	1	1	1	687,6985	2060,074	3

11	35,5	43658	1	1	1	687,6998	2060,078	3
11	35,5	45197	1	1	1	695,4061	2083,197	3
11	35,5	45198	1	1	1	695,4074	2083,2	3
11	35,5	45199	1	1	1	695,4083	2083,203	3
11	35,5	110674	1	1	1	1042,618	2083,221	2
11	35,5	87849	1	1	1	903,1309	2706,371	3
11	35,5	87850	1	1	1	903,1322	2706,375	3
9	32,1	43967	1	1	1	689,3494	1376,684	2
9	32,1	43970	1	1	1	689,3518	1376,689	2
9	32,1	55296	1	1	1	740,9158	1479,817	2
9	32,1	55298	1	1	1	740,9164	1479,818	2
9	32,1	55299	1	1	1	740,9171	1479,82	2
9	32,1	55819	1	1	1	743,3866	1484,759	2
9	32,1	77388	1	1	1	847,9634	1693,912	2
9	32,1	77389	1	1	1	847,9642	1693,914	2
9	32,1	77390	1	1	1	847,9642	1693,914	2
9	32,1	77391	1	1	1	847,9647	1693,915	2
9	32,1	77392	1	1	1	847,9656	1693,917	2
9	32,1	78989	1	1	1	855,9631	1709,912	2
9	32,1	30803	1	1	1	627,6204	1879,839	3
9	32,1	30804	1	1	1	627,6209	1879,841	3
9	32,1	30807	1	1	1	627,6237	1879,849	3
9	32,1	109450	1	1	1	1035,099	2068,183	2
9	32,1	51959	1	1	1	726,6953	2177,064	3
9	32,1	117082	1	1	1	1089,54	2177,066	2
9	32,1	117085	1	1	1	1089,541	2177,067	2
9	32,1	64821	1	1	1	785,4323	2353,275	3
9	32,1	84466	1	1	1	884,8002	2651,379	3
15	41,4	13382	1	1	1	533,8651	1065,716	2
15	41,4	18566	1	1	1	565,3107	1128,607	2
15	41,4	32268	1	1	1	634,8528	1267,691	2
15	41,4	61386	1	1	1	769,392	1536,77	2
15	41,4	61390	1	1	1	769,3941	1536,774	2
15	41,4	63104	1	1	1	777,3954	1552,776	2
15	41,4	64750	1	1	1	785,3935	1568,772	2
15	41,4	68818	1	1	1	804,9584	1607,902	2
15	41,4	68820	1	1	1	804,962	1607,91	2
15	41,4	75406	1	1	1	837,9079	1673,801	2
15	41,4	75407	1	1	1	837,9084	1673,802	2
15	41,4	75408	1	1	1	837,9105	1673,807	2
15	41,4	76252	1	1	1	841,9676	1681,921	2
15	41,4	76680	1	1	1	844,3891	1686,764	2
15	41,4	22934	1	1	1	589,0068	1763,999	3
15	41,4	22935	1	1	1	589,0077	1764,001	3
15	41,4	87218	1	1	1	899,9332	1797,852	2
15	41,4	87219	1	1	1	899,9338	1797,853	2
15	41,4	87220	1	1	1	899,9338	1797,853	2
15	41,4	87221	1	1	1	899,935	1797,855	2

15	41,4	87224	1	1	1	899,9369	1797,859	2
15	41,4	88805	1	1	1	907,9304	1813,846	2
15	41,4	91674	1	1	1	922,4359	1842,857	2
15	41,4	44353	1	1	1	691,006	2069,996	3
15	41,4	45911	1	1	1	699,6884	2096,044	3
15	41,4	52449	1	1	1	728,6759	2183,006	3
4	30	34511	1	1	1	645,3428	1288,671	2
4	30	84751	1	1	1	886,5064	1770,998	2
4	30	94245	1	1	1	937,466	1872,917	2
4	30	94247	1	1	1	937,4666	1872,919	2
4	30	94250	1	1	1	937,4673	1872,92	2
4	30	94252	1	1	1	937,4677	1872,921	2
4	30	94253	1	1	1	937,4679	1872,921	2
4	30	94257	1	1	1	937,4702	1872,926	2
4	30	111813	1	1	1	1050,837	3149,488	3
4	30	111814	1	1	1	1050,841	3149,5	3
14	40,6	19003	1	1	1	567,7822	1133,55	2
14	40,6	25985	1	1	1	604,8776	1207,741	2
14	40,6	39371	1	1	1	668,3286	1334,643	2
14	40,6	39375	1	1	1	668,3327	1334,651	2
14	40,6	41108	1	1	1	676,3278	1350,641	2
14	40,6	45357	1	1	1	696,3588	1390,703	2
14	40,6	55529	1	1	1	741,8664	1481,718	2
14	40,6	55676	1	1	1	742,4258	1482,837	2
14	40,6	57308	1	1	1	749,8602	1497,706	2
14	40,6	57786	1	1	1	752,3762	1502,738	2
14	40,6	57787	1	1	1	752,3766	1502,739	2
14	40,6	57788	1	1	1	752,3774	1502,74	2
14	40,6	76044	1	1	1	840,9377	1679,861	2
14	40,6	44861	1	1	1	693,6977	2078,071	3
14	40,6	45754	1	1	1	698,706	2093,096	3
14	40,6	62750	1	1	1	775,742	2324,204	3
14	40,6	62751	1	1	1	775,743	2324,207	3
14	40,6	125667	1	1	1	1181,639	2361,264	2
14	40,6	125669	1	1	1	1181,641	2361,268	2
14	40,6	79865	1	1	1	861,1563	2580,447	3
14	40,6	100474	1	1	1	975,4243	2923,251	3
14	40,6	100477	1	1	1	975,4254	2923,254	3
14	40,6	100478	1	1	1	975,428	2923,262	3
14	40,6	100479	1	1	1	975,4316	2923,273	3
9	26,8	22267	1	1	1	585,2709	1168,527	2
9	26,8	35270	1	1	1	649,3015	1296,589	2
9	26,8	45600	1	1	1	697,8267	1393,639	2
9	26,8	48523	1	1	1	711,3444	1420,674	2
9	26,8	48524	1	1	1	711,3457	1420,677	2
9	26,8	7391	1	1	1	494,5632	1480,668	3
9	26,8	55346	1	1	1	741,343	1480,671	2
9	26,8	55348	1	1	1	741,3442	1480,674	2

9	26,8	99599	1	1	1	970,4698	1938,925	2
9	26,8	50539	1	1	1	720,6786	2159,014	3
9	26,8	50540	1	1	1	720,6799	2159,018	3
9	26,8	50541	1	1	1	720,6804	2159,019	3
9	26,8	59135	1	1	1	758,3748	2272,103	3
9	26,8	65912	1	1	1	791,3876	2371,141	3
9	26,8	65927	1	1	1	791,3956	2371,165	3
9	26,8	65928	1	1	1	791,3959	2371,166	3
9	26,8	65930	1	1	1	791,3978	2371,172	3
9	26,8	65931	1	1	1	791,3986	2371,174	3
9	26,8	67031	1	1	1	796,7274	2387,16	3
8	26	65993	1	1	1	791,8777	1581,741	2
8	26	73205	1	1	1	827,3931	1652,772	2
8	26	73208	1	1	1	827,3946	1652,775	2
8	26	25508	1	1	1	602,2835	1803,829	3
8	26	93641	1	1	1	933,9473	1865,88	2
8	26	93644	1	1	1	933,9494	1865,884	2
8	26	93646	1	1	1	933,9501	1865,886	2
8	26	93647	1	1	1	933,9525	1865,891	2
8	26	93648	1	1	1	933,9537	1865,893	2
8	26	93649	1	1	1	933,954	1865,893	2
8	26	93650	1	1	1	933,9545	1865,895	2
8	26	85862	1	1	1	893,0701	2676,188	3
8	26	107438	1	1	1	1022,11	3063,309	3
8	26	107439	1	1	1	1022,113	3063,318	3
8	26	107440	1	1	1	1022,115	3063,322	3
8	26	115035	1	1	1	1074,143	3219,408	3
8	26	117713	1	1	1	1094,833	3281,476	3
8	26	117714	1	1	1	1094,833	3281,477	3
14	33,8	3016	1	1	1	452,2515	902,4884	2
14	33,8	23917	1	1	1	593,28	1184,546	2
14	33,8	30502	1	1	1	626,3006	1250,587	2
14	33,8	35864	1	1	1	651,8569	1301,699	2
14	33,8	43622	1	1	1	687,3805	1372,747	2
14	33,8	43623	1	1	1	687,3809	1372,747	2
14	33,8	43624	1	1	1	687,3825	1372,751	2
14	33,8	43625	1	1	1	687,3831	1372,752	2
14	33,8	43727	1	1	1	687,8702	1373,726	2
14	33,8	49313	1	1	1	715,3291	1428,644	2
14	33,8	63894	1	1	1	780,8976	1559,781	2
14	33,8	78454	1	1	1	853,3727	1704,731	2
14	33,8	94209	1	1	1	937,4245	1872,834	2
14	33,8	94210	1	1	1	937,4245	1872,835	2
14	33,8	95783	1	1	1	946,4277	1890,841	2
14	33,8	95784	1	1	1	946,4283	1890,842	2
14	33,8	96999	1	1	1	954,4237	1906,833	2
14	33,8	52320	1	1	1	728,0231	2181,047	3
14	33,8	60108	1	1	1	763,3598	2287,058	3

14	33,8	60110	1	1	1	763,3629	2287,067	3
14	33,8	79210	1	1	1	857,4026	2569,186	3
7	16,7	17149	1	1	1	557,8	1113,586	2
7	16,7	30166	1	1	1	624,3299	1246,645	2
7	16,7	30167	1	1	1	624,33	1246,646	2
7	16,7	30168	1	1	1	624,3306	1246,647	2
7	16,7	38695	1	1	1	665,3471	1328,68	2
7	16,7	39671	1	1	1	669,8502	1337,686	2
7	16,7	39672	1	1	1	669,8503	1337,686	2
7	16,7	39673	1	1	1	669,8507	1337,687	2
7	16,7	60420	1	1	1	764,439	1526,864	2
7	16,7	60421	1	1	1	764,4402	1526,866	2
7	16,7	77952	1	1	1	850,9178	1699,821	2
7	16,7	77953	1	1	1	850,9217	1699,829	2
7	16,7	77954	1	1	1	850,9218	1699,829	2
7	16,7	77955	1	1	1	850,9219	1699,829	2
7	16,7	77957	1	1	1	850,926	1699,837	2
7	16,7	131957	1	1	1	1305,67	2609,324	2
7	16,7	81781	1	1	1	870,7828	2609,327	3
7	16,7	81782	1	1	1	870,7831	2609,328	3
13	41,7	18008	1	1	1	562,3047	1122,595	2
13	41,7	39651	1	1	1	669,8194	1337,624	2
13	41,7	39654	1	1	1	669,8227	1337,631	2
13	41,7	53753	1	1	1	734,3408	1466,667	2
13	41,7	53755	1	1	1	734,3413	1466,668	2
13	41,7	53757	1	1	1	734,3418	1466,669	2
13	41,7	53758	1	1	1	734,343	1466,672	2
13	41,7	71176	1	1	1	816,4152	1630,816	2
13	41,7	77420	1	1	1	848,3975	1694,78	2
13	41,7	77421	1	1	1	848,3975	1694,78	2
13	41,7	77423	1	1	1	848,3976	1694,781	2
13	41,7	82190	1	1	1	872,9557	1743,897	2
13	41,7	88963	1	1	1	908,4754	1814,936	2
13	41,7	43516	1	1	1	686,9945	2057,962	3
13	41,7	48790	1	1	1	713,029	2136,065	3
13	41,7	50405	1	1	1	720,3329	2157,977	3
13	41,7	115906	1	1	1	1081,513	2161,011	2
13	41,7	54965	1	1	1	739,0285	2214,064	3
13	41,7	54967	1	1	1	739,0302	2214,069	3
13	41,7	54969	1	1	1	739,031	2214,071	3
13	41,7	54970	1	1	1	739,0317	2214,073	3
13	41,7	59220	1	1	1	758,7087	2273,104	3
13	41,7	59222	1	1	1	758,7109	2273,111	3
13	41,7	60288	1	1	1	764,0418	2289,104	3
13	41,7	60289	1	1	1	764,0448	2289,113	3
7	36,6	21238	1	1	1	579,7779	1157,541	2
7	36,6	21240	1	1	1	579,7786	1157,543	2
7	36,6	21241	1	1	1	579,7789	1157,543	2



7	36,6	33631	1	1	1	641,3819	1280,749	2
7	36,6	33632	1	1	1	641,383	1280,752	2
7	36,6	33633	1	1	1	641,3838	1280,753	2
7	36,6	41895	1	1	1	679,8366	1357,659	2
7	36,6	41896	1	1	1	679,8369	1357,659	2
7	36,6	41897	1	1	1	679,8373	1357,66	2
7	36,6	43682	1	1	1	687,8337	1373,653	2
7	36,6	43685	1	1	1	687,8346	1373,655	2
7	36,6	43687	1	1	1	687,8351	1373,656	2
7	36,6	17040	1	1	1	557,6124	1669,815	3
7	36,6	74951	1	1	1	835,9165	1669,819	2
7	36,6	74953	1	1	1	835,9174	1669,82	2
7	36,6	17044	1	1	1	557,6145	1669,822	3
7	36,6	94230	1	1	1	937,4577	1872,901	2
7	36,6	99186	1	1	1	967,9508	1933,887	2
7	36,6	45422	1	1	1	696,7317	2087,173	3
7	36,6	45423	1	1	1	696,7332	2087,178	3
7	36,6	45424	1	1	1	696,7333	2087,178	3
7	36,6	45426	1	1	1	696,7337	2087,179	3
7	36,6	45427	1	1	1	696,7342	2087,181	3
7	36,6	45428	1	1	1	696,7348	2087,183	3
12	36,7	16694	1	1	1	555,8329	1109,651	2
12	36,7	20137	1	1	1	574,2997	1146,585	2
12	36,7	21098	1	1	1	579,2934	1156,572	2
12	36,7	21103	1	1	1	579,2957	1156,577	2
12	36,7	21104	1	1	1	579,2958	1156,577	2
12	36,7	21105	1	1	1	579,296	1156,578	2
12	36,7	32754	1	1	1	637,2993	1272,584	2
12	36,7	32783	1	1	1	637,3025	1272,59	2
12	36,7	39160	1	1	1	667,3426	1332,671	2
12	36,7	43464	1	1	1	686,8367	1371,659	2
12	36,7	43465	1	1	1	686,8398	1371,665	2
12	36,7	49757	1	1	1	716,8765	1431,739	2
12	36,7	49758	1	1	1	716,8769	1431,739	2
12	36,7	49759	1	1	1	716,8784	1431,742	2
12	36,7	49760	1	1	1	716,8794	1431,744	2
12	36,7	49761	1	1	1	716,8794	1431,744	2
12	36,7	54285	1	1	1	736,3719	1470,729	2
12	36,7	54289	1	1	1	736,3727	1470,731	2
12	36,7	50503	1	1	1	720,3616	2158,063	3
12	36,7	54017	1	1	1	735,0484	2202,123	3
12	36,7	59219	1	1	1	758,7069	2273,099	3
12	36,7	74240	1	1	1	832,0646	2493,172	3
7	26,7	76411	1	1	1	842,9093	1683,804	2
7	26,7	76413	1	1	1	842,9106	1683,807	2
7	26,7	76415	1	1	1	842,912	1683,81	2
7	26,7	80756	1	1	1	865,4573	1728,9	2
7	26,7	80757	1	1	1	865,4577	1728,901	2

7	26,7	80759	1	1	1	865,4591	1728,904	2
7	26,7	80760	1	1	1	865,4597	1728,905	2
7	26,7	104918	1	1	1	1005,466	2008,917	2
7	26,7	114292	1	1	1	1069,516	2137,017	2
7	26,7	114294	1	1	1	1069,521	2137,027	2
7	26,7	114349	1	1	1	1069,991	2137,968	2
7	26,7	115435	1	1	1	1077,511	2153,007	2
7	26,7	115438	1	1	1	1077,512	2153,009	2
7	26,7	115439	1	1	1	1077,513	2153,012	2
7	26,7	115441	1	1	1	1077,514	2153,014	2
7	26,7	115442	1	1	1	1077,514	2153,014	2
7	26,7	65972	1	1	1	791,726	2372,156	3
7	26,7	73884	1	1	1	830,3902	2488,149	3
9	48,7	14779	1	1	1	543,758	1085,502	2
9	48,7	33370	1	1	1	640,3046	1278,595	2
9	48,7	55737	1	1	1	742,9189	1483,823	2
9	48,7	55738	1	1	1	742,9192	1483,824	2
9	48,7	55739	1	1	1	742,9194	1483,824	2
9	48,7	55740	1	1	1	742,9203	1483,826	2
9	48,7	55741	1	1	1	742,9206	1483,827	2
9	48,7	55742	1	1	1	742,9207	1483,827	2
9	48,7	23117	1	1	1	589,6108	1765,811	3
9	48,7	89246	1	1	1	910,4072	1818,8	2
9	48,7	33360	1	1	1	640,2896	1917,847	3
9	48,7	33363	1	1	1	640,2933	1917,858	3
9	48,7	103894	1	1	1	997,9899	1993,965	2
9	48,7	103897	1	1	1	997,9925	1993,971	2
9	48,7	115172	1	1	1	1075,498	2148,982	2
9	48,7	115173	1	1	1	1075,5	2148,986	2
9	48,7	64204	1	1	1	782,7064	2345,097	3
9	48,7	125101	1	1	1	1173,558	2345,102	2
8	19	25624	1	1	1	602,8043	1203,594	2
8	19	40844	1	1	1	674,8486	1347,683	2
8	19	47853	1	1	1	707,8973	1413,78	2
8	19	47854	1	1	1	707,898	1413,781	2
8	19	47856	1	1	1	707,8984	1413,782	2
8	19	61281	1	1	1	768,8786	1535,743	2
8	19	61283	1	1	1	768,8819	1535,749	2
8	19	61284	1	1	1	768,8827	1535,751	2
8	19	62989	1	1	1	776,875	1551,735	2
8	19	62990	1	1	1	776,8756	1551,737	2
8	19	90925	1	1	1	919,4228	1836,831	2
8	19	99054	1	1	1	967,4192	1932,824	2
8	19	99055	1	1	1	967,4211	1932,828	2
8	19	99056	1	1	1	967,4213	1932,828	2
8	19	99057	1	1	1	967,4214	1932,828	2
8	19	61716	1	1	1	770,7081	2309,102	3
8	19	61718	1	1	1	770,7094	2309,106	3

8	19	61719	1	1	1	770,7099	2309,108	3
12	30,4	17229	1	1	1	558,2773	1114,54	2
12	30,4	17230	1	1	1	558,2776	1114,541	2
12	30,4	17231	1	1	1	558,2783	1114,542	2
12	30,4	22214	1	1	1	584,7992	1167,584	2
12	30,4	36568	1	1	1	655,8512	1309,688	2
12	30,4	36569	1	1	1	655,8513	1309,688	2
12	30,4	36857	1	1	1	657,3157	1312,617	2
12	30,4	40162	1	1	1	672,3353	1342,656	2
12	30,4	40164	1	1	1	672,3355	1342,656	2
12	30,4	47443	1	1	1	705,8595	1409,704	2
12	30,4	47451	1	1	1	705,8611	1409,708	2
12	30,4	50497	1	1	1	720,3583	1438,702	2
12	30,4	50498	1	1	1	720,3588	1438,703	2
12	30,4	67482	1	1	1	798,8654	1595,716	2
12	30,4	67485	1	1	1	798,8689	1595,723	2
12	30,4	67486	1	1	1	798,8691	1595,724	2
12	30,4	67490	1	1	1	798,8708	1595,727	2
12	30,4	74424	1	1	1	833,3984	1664,782	2
12	30,4	74425	1	1	1	833,3996	1664,785	2
12	30,4	74426	1	1	1	833,4	1664,785	2
12	30,4	78352	1	1	1	852,4383	1702,862	2
12	30,4	78355	1	1	1	852,4403	1702,866	2
12	30,4	78359	1	1	1	852,4424	1702,87	2
12	30,4	24916	1	1	1	599,308	1794,902	3
12	30,4	58141	1	1	1	754,3527	2260,036	3
6	29,8	67169	1	1	1	797,4	1592,786	2
6	29,8	22475	1	1	1	586,2867	1755,838	3
6	29,8	83281	1	1	1	878,9295	1755,844	2
6	29,8	99389	1	1	1	969,4428	1936,871	2
6	29,8	104863	1	1	1	1004,956	2007,897	2
6	29,8	39734	1	1	1	670,3078	2007,902	3
6	29,8	104864	1	1	1	1004,96	2007,905	2
6	29,8	104865	1	1	1	1004,96	2007,906	2
6	29,8	104867	1	1	1	1004,962	2007,91	2
6	29,8	104872	1	1	1	1004,966	2007,918	2
6	29,8	48782	1	1	1	713,0068	2135,999	3
6	29,8	48783	1	1	1	713,007	2135,999	3
6	29,8	107365	1	1	1	1021,498	3061,471	3
6	29,8	107366	1	1	1	1021,498	3061,472	3
6	29,8	107369	1	1	1	1021,501	3061,48	3
12	26,5	20800	1	1	1	577,8052	1153,596	2
12	26,5	23849	1	1	1	592,8192	1183,624	2
12	26,5	30934	1	1	1	628,3381	1254,662	2
12	26,5	30939	1	1	1	628,3391	1254,664	2
12	26,5	32167	1	1	1	634,3497	1266,685	2
12	26,5	32168	1	1	1	634,3498	1266,685	2
12	26,5	35787	1	1	1	651,3544	1300,694	2

12	26,5	50530	1	1	1	720,402	1438,79	2
12	26,5	63209	1	1	1	777,9153	1553,816	2
12	26,5	63213	1	1	1	777,9186	1553,823	2
12	26,5	74743	1	1	1	834,4582	1666,902	2
12	26,5	85631	1	1	1	891,4648	1780,915	2
12	26,5	85636	1	1	1	891,4681	1780,922	2
12	26,5	85637	1	1	1	891,4692	1780,924	2
12	26,5	85638	1	1	1	891,4694	1780,924	2
12	26,5	62807	1	1	1	776,0436	2325,109	3
12	26,5	73377	1	1	1	828,0784	2481,213	3
12	26,5	73378	1	1	1	828,0841	2481,231	3
12	26,5	86623	1	1	1	897,1285	2688,364	3
10	39,7	13294	1	1	1	533,2663	1064,518	2
10	39,7	13295	1	1	1	533,2664	1064,518	2
10	39,7	21803	1	1	1	582,8005	1163,587	2
10	39,7	28517	1	1	1	617,8401	1233,666	2
10	39,7	33229	1	1	1	639,34	1276,665	2
10	39,7	33231	1	1	1	639,3411	1276,668	2
10	39,7	33232	1	1	1	639,3424	1276,67	2
10	39,7	63924	1	1	1	781,3151	1560,616	2
10	39,7	67132	1	1	1	797,3582	1592,702	2
10	39,7	92274	1	1	1	926,0493	1850,084	2
10	39,7	92275	1	1	1	926,0503	1850,086	2
10	39,7	46830	1	1	1	703,4157	2107,225	3
10	39,7	60497	1	1	1	765,0078	2292,002	3
10	39,7	60504	1	1	1	765,0086	2292,004	3
10	39,7	126068	1	1	1	1187,536	2373,057	2
10	39,7	126069	1	1	1	1187,537	2373,059	2
10	39,7	126070	1	1	1	1187,537	2373,059	2
10	39,7	126071	1	1	1	1187,538	2373,062	2
10	39,7	126072	1	1	1	1187,538	2373,062	2
10	39,7	126073	1	1	1	1187,54	2373,065	2
10	39,7	126620	1	1	1	1195,536	2389,057	2
13	62,6	24300	1	1	1	595,3166	1188,619	2
13	62,6	26952	1	1	1	609,8629	1217,711	2
13	62,6	28761	1	1	1	618,8138	1235,613	2
13	62,6	28762	1	1	1	618,8147	1235,615	2
13	62,6	28764	1	1	1	618,8166	1235,619	2
13	62,6	30544	1	1	1	626,3245	1250,634	2
13	62,6	30546	1	1	1	626,3252	1250,636	2
13	62,6	37918	1	1	1	662,3292	1322,644	2
13	62,6	37935	1	1	1	662,3364	1322,658	2
13	62,6	38048	1	1	1	662,8599	1323,705	2
13	62,6	38049	1	1	1	662,8602	1323,706	2
13	62,6	38051	1	1	1	662,8626	1323,711	2
13	62,6	38052	1	1	1	662,8634	1323,712	2
13	62,6	53013	1	1	1	730,3891	1458,764	2
13	62,6	54197	1	1	1	735,8683	1469,722	2

13	62,6	54198	1	1	1	735,8685	1469,722	2
13	62,6	55922	1	1	1	743,8645	1485,715	2
13	62,6	83027	1	1	1	877,9304	1753,846	2
13	62,6	95360	1	1	1	944,0107	1886,007	2
13	62,6	104893	1	1	1	1005,011	2008,008	2
13	62,6	104895	1	1	1	1005,012	2008,009	2
13	62,6	104896	1	1	1	1005,012	2008,01	2
13	62,6	104897	1	1	1	1005,013	2008,011	2
13	62,6	106973	1	1	1	1018,017	2034,02	2
13	62,6	44359	1	1	1	691,0453	2070,114	3
13	62,6	44360	1	1	1	691,049	2070,125	3
13	62,6	109562	1	1	1	1036,071	2070,127	2
13	62,6	109563	1	1	1	1036,074	2070,133	2
6	18,6	35950	1	1	1	652,8131	1303,612	2
6	18,6	35951	1	1	1	652,8139	1303,613	2
6	18,6	35952	1	1	1	652,8144	1303,614	2
6	18,6	37626	1	1	1	660,8103	1319,606	2
6	18,6	37627	1	1	1	660,8106	1319,607	2
6	18,6	50762	1	1	1	721,3923	1440,77	2
6	18,6	53508	1	1	1	732,8789	1463,743	2
6	18,6	53509	1	1	1	732,8815	1463,748	2
6	18,6	53510	1	1	1	732,8815	1463,749	2
6	18,6	53511	1	1	1	732,8827	1463,751	2
6	18,6	53512	1	1	1	732,8838	1463,753	2
6	18,6	66805	1	1	1	795,3822	1588,75	2
6	18,6	66812	1	1	1	795,3844	1588,754	2
6	18,6	72218	1	1	1	821,4529	1640,891	2
6	18,6	60178	1	1	1	763,4019	2287,184	3
6	18,6	122835	1	1	1	1144,605	2287,196	2
6	18,6	123417	1	1	1	1152,599	2303,184	2
7	32	24696	1	1	1	597,8555	1193,697	2
7	32	32248	1	1	1	634,8441	1267,674	2
7	32	33625	1	1	1	641,3691	1280,724	2
7	32	33626	1	1	1	641,3703	1280,726	2
7	32	33627	1	1	1	641,3721	1280,73	2
7	32	81739	1	1	1	870,4554	1738,896	2
7	32	46125	1	1	1	700,6619	2098,964	3
7	32	46127	1	1	1	700,664	2098,97	3
7	32	51461	1	1	1	724,3413	2170,002	3
7	32	51468	1	1	1	724,3443	2170,011	3
7	32	56881	1	1	1	748,021	2241,041	3
7	32	56882	1	1	1	748,0214	2241,042	3
7	32	56883	1	1	1	748,0222	2241,045	3
7	32	56884	1	1	1	748,0225	2241,046	3
7	32	56885	1	1	1	748,0226	2241,046	3
7	32	56886	1	1	1	748,0233	2241,048	3
7	32	56887	1	1	1	748,0283	2241,063	3
12	23,4	3619	1	1	1	461,2658	920,5171	2

12	23,4	13203	1	1	1	532,7745	1063,534	2
12	23,4	13205	1	1	1	532,7745	1063,534	2
12	23,4	22701	1	1	1	587,7907	1173,567	2
12	23,4	23037	1	1	1	589,3174	1176,62	2
12	23,4	23038	1	1	1	589,3174	1176,62	2
12	23,4	30375	1	1	1	625,8095	1249,605	2
12	23,4	30376	1	1	1	625,8111	1249,608	2
12	23,4	32590	1	1	1	636,3174	1270,62	2
12	23,4	32591	1	1	1	636,3189	1270,623	2
12	23,4	32592	1	1	1	636,3195	1270,625	2
12	23,4	34626	1	1	1	645,8572	1289,7	2
12	23,4	34627	1	1	1	645,8581	1289,702	2
12	23,4	34629	1	1	1	645,8582	1289,702	2
12	23,4	34630	1	1	1	645,8584	1289,702	2
12	23,4	34631	1	1	1	645,8589	1289,703	2
12	23,4	39475	1	1	1	668,8419	1335,669	2
12	23,4	66869	1	1	1	795,4777	1588,941	2
12	23,4	19697	1	1	1	571,9728	1712,897	3
12	23,4	79270	1	1	1	857,4589	1712,903	2
12	23,4	33248	1	1	1	639,658	1915,952	3
12	23,4	54887	1	1	1	738,6935	2213,059	3
12	23,4	54889	1	1	1	738,6963	2213,067	3
12	23,4	54890	1	1	1	738,6967	2213,068	3
12	23,4	119050	1	1	1	1107,547	2213,079	2
9	26,5	24651	1	1	1	597,7873	1193,56	2
9	26,5	40775	1	1	1	674,3635	1346,712	2
9	26,5	40776	1	1	1	674,3645	1346,715	2
9	26,5	40834	1	1	1	674,84	1347,666	2
9	26,5	58442	1	1	1	755,8459	1509,677	2
9	26,5	58443	1	1	1	755,8467	1509,679	2
9	26,5	58444	1	1	1	755,8479	1509,681	2
9	26,5	58445	1	1	1	755,8487	1509,683	2
9	26,5	60236	1	1	1	763,8447	1525,675	2
9	26,5	89719	1	1	1	912,943	1823,872	2
9	26,5	89721	1	1	1	912,9444	1823,874	2
9	26,5	90096	1	1	1	914,9265	1827,839	2
9	26,5	90097	1	1	1	914,9294	1827,844	2
9	26,5	98234	1	1	1	961,4781	1920,942	2
9	26,5	33588	1	1	1	641,3236	1920,949	3
9	26,5	33589	1	1	1	641,3239	1920,95	3
9	26,5	33591	1	1	1	641,3248	1920,953	3
9	26,5	56246	1	1	1	745,3366	2232,988	3
9	26,5	81465	1	1	1	869,0795	2604,217	3
9	24,2	22268	1	1	1	585,2733	1168,532	2
9	24,2	37418	1	1	1	659,8479	1317,681	2
9	24,2	37419	1	1	1	659,8492	1317,684	2
9	24,2	37422	1	1	1	659,8493	1317,684	2
9	24,2	48008	1	1	1	708,8368	1415,659	2

9	24,2	62511	1	1	1	774,8572	1547,7	2
9	24,2	70695	1	1	1	813,9951	1625,976	2
9	24,2	71181	1	1	1	816,4246	1630,835	2
9	24,2	71188	1	1	1	816,4268	1630,839	2
9	24,2	71189	1	1	1	816,427	1630,84	2
9	24,2	79680	1	1	1	859,9129	1717,811	2
9	24,2	101672	1	1	1	983,4924	1964,97	2
9	24,2	101675	1	1	1	983,4942	1964,974	2
9	24,2	125172	1	1	1	1174,524	2347,034	2
9	24,2	125173	1	1	1	1174,525	2347,035	2
9	24,2	125174	1	1	1	1174,525	2347,036	2
9	24,2	125175	1	1	1	1174,526	2347,037	2
9	24,2	125181	1	1	1	1174,532	2347,05	2
10	42,3	28989	1	1	1	619,3382	1236,662	2
10	42,3	42186	1	1	1	681,3478	1360,681	2
10	42,3	42478	1	1	1	682,3978	1362,781	2
10	42,3	65481	1	1	1	788,9568	1575,899	2
10	42,3	65482	1	1	1	788,9573	1575,9	2
10	42,3	70201	1	1	1	811,4394	1620,864	2
10	42,3	70204	1	1	1	811,4402	1620,866	2
10	42,3	70205	1	1	1	811,4404	1620,866	2
10	42,3	70206	1	1	1	811,4405	1620,866	2
10	42,3	70207	1	1	1	811,4409	1620,867	2
10	42,3	70612	1	1	1	813,4504	1624,886	2
10	42,3	85836	1	1	1	892,9367	1783,859	2
10	42,3	85847	1	1	1	892,9405	1783,866	2
10	42,3	87432	1	1	1	900,9365	1799,858	2
10	42,3	87433	1	1	1	900,9365	1799,859	2
10	42,3	27354	1	1	1	611,9864	1832,937	3
10	42,3	59732	1	1	1	761,102	2280,284	3
10	42,3	101616	1	1	1	983,1598	2946,458	3
10	42,3	101618	1	1	1	983,1611	2946,461	3
10	35,4	7764	1	1	1	497,227	992,4394	2
10	35,4	32663	1	1	1	636,846	1271,677	2
10	35,4	32665	1	1	1	636,8462	1271,678	2
10	35,4	32667	1	1	1	636,8465	1271,678	2
10	35,4	32668	1	1	1	636,8465	1271,678	2
10	35,4	32669	1	1	1	636,8465	1271,679	2
10	35,4	32670	1	1	1	636,8467	1271,679	2
10	35,4	44887	1	1	1	693,8535	1385,693	2
10	35,4	52048	1	1	1	727,3367	1452,659	2
10	35,4	52049	1	1	1	727,3369	1452,659	2
10	35,4	52050	1	1	1	727,3372	1452,66	2
10	35,4	25642	1	1	1	602,97	1805,888	3
10	35,4	39351	1	1	1	668,3096	2001,907	3
10	35,4	42215	1	1	1	681,3579	2041,052	3
10	35,4	42697	1	1	1	683,6806	2048,02	3
10	35,4	62317	1	1	1	773,7302	2318,169	3

10	35,4	78657	1	1	1	854,4385	2560,294	3
10	35,4	78658	1	1	1	854,4395	2560,297	3
11	34,6	14141	1	1	1	538,7701	1075,526	2
11	34,6	33994	1	1	1	643,3217	1284,629	2
11	34,6	40246	1	1	1	672,8338	1343,653	2
11	34,6	40247	1	1	1	672,8342	1343,654	2
11	34,6	40248	1	1	1	672,8349	1343,655	2
11	34,6	47915	1	1	1	708,3438	1414,673	2
11	34,6	47919	1	1	1	708,3455	1414,677	2
11	34,6	47921	1	1	1	708,3458	1414,677	2
11	34,6	47923	1	1	1	708,3461	1414,678	2
11	34,6	57300	1	1	1	749,8416	1497,669	2
11	34,6	57301	1	1	1	749,8421	1497,67	2
11	34,6	58982	1	1	1	757,8773	1513,74	2
11	34,6	9502	1	1	1	509,5931	1525,757	3
11	34,6	60260	1	1	1	763,8959	1525,777	2
11	34,6	70764	1	1	1	814,4191	1626,824	2
11	34,6	70766	1	1	1	814,4194	1626,824	2
11	34,6	14739	1	1	1	543,2829	1626,827	3
11	34,6	29149	1	1	1	620,3	1857,878	3
11	34,6	29153	1	1	1	620,3022	1857,885	3
11	34,6	44356	1	1	1	691,0174	2070,03	3
11	34,6	44357	1	1	1	691,0178	2070,032	3
11	34,6	75072	1	1	1	836,4032	2506,188	3
11	34,6	75098	1	1	1	836,4082	2506,203	3
8	27,9	18389	1	1	1	564,3389	1126,663	2
8	27,9	68971	1	1	1	805,8929	1609,771	2
8	27,9	68975	1	1	1	805,8956	1609,777	2
8	27,9	68980	1	1	1	805,8973	1609,78	2
8	27,9	73144	1	1	1	826,9189	1651,823	2
8	27,9	86908	1	1	1	898,4543	1794,894	2
8	27,9	104946	1	1	1	1005,519	2009,023	2
8	27,9	50385	1	1	1	720,0258	2157,056	3
8	27,9	54377	1	1	1	737,045	2208,113	3
8	27,9	54378	1	1	1	737,0455	2208,115	3
8	27,9	97780	1	1	1	958,5036	2872,489	3
8	27,9	97781	1	1	1	958,5051	2872,494	3
7	22,4	1000	1	1	1	410,7373	819,4601	2
7	22,4	47807	1	1	1	707,8398	1413,665	2
7	22,4	47808	1	1	1	707,8399	1413,665	2
7	22,4	47810	1	1	1	707,8415	1413,669	2
7	22,4	49441	1	1	1	715,8331	1429,652	2
7	22,4	49443	1	1	1	715,834	1429,653	2
7	22,4	49444	1	1	1	715,837	1429,659	2
7	22,4	55237	1	1	1	740,386	1478,757	2
7	22,4	55238	1	1	1	740,3863	1478,758	2
7	22,4	61328	1	1	1	769,3403	1536,666	2
7	22,4	61331	1	1	1	769,341	1536,667	2



7	22,4	78606	1	1	1	854,3923	1706,77	2
7	22,4	87837	1	1	1	903,0023	1803,99	2
7	22,4	107319	1	1	1	1020,975	2039,936	2
7	22,4	107320	1	1	1	1020,976	2039,937	2
7	22,4	108634	1	1	1	1028,973	2055,931	2
7	22,4	108635	1	1	1	1028,975	2055,935	2
13	43	15120	1	1	1	546,2549	1090,495	2
13	43	15121	1	1	1	546,2558	1090,497	2
13	43	42280	1	1	1	681,8062	1361,598	2
13	43	60095	1	1	1	763,3381	1524,662	2
13	43	65102	1	1	1	786,8457	1571,677	2
13	43	65103	1	1	1	786,8458	1571,677	2
13	43	65105	1	1	1	786,847	1571,679	2
13	43	65106	1	1	1	786,847	1571,68	2
13	43	65107	1	1	1	786,8471	1571,68	2
13	43	65108	1	1	1	786,8471	1571,68	2
13	43	66448	1	1	1	793,8794	1585,744	2
13	43	66685	1	1	1	794,8551	1587,696	2
13	43	86975	1	1	1	898,9141	1795,814	2
13	43	27752	1	1	1	613,9616	1838,863	3
13	43	91778	1	1	1	922,9158	1843,817	2
13	43	39356	1	1	1	668,3149	2001,923	3
13	43	51069	1	1	1	722,6705	2164,99	3
13	43	65083	1	1	1	786,7028	2357,087	3
13	43	70513	1	1	1	813,0553	2436,144	3
4	32,2	16971	1	1	1	557,2658	1112,517	2
4	32,2	35044	1	1	1	647,84	1293,665	2
4	32,2	35046	1	1	1	647,8405	1293,666	2
4	32,2	35047	1	1	1	647,8407	1293,667	2
4	32,2	35049	1	1	1	647,841	1293,668	2
4	32,2	85221	1	1	1	889,4224	1776,83	2
4	32,2	107759	1	1	1	1023,824	3068,45	3
4	32,2	107760	1	1	1	1023,825	3068,453	3
4	32,2	107761	1	1	1	1023,826	3068,457	3
4	32,2	107763	1	1	1	1023,829	3068,464	3
9	26,5	16366	1	1	1	553,3289	1104,643	2
9	26,5	25657	1	1	1	603,2791	1204,544	2
9	26,5	25658	1	1	1	603,2793	1204,544	2
9	26,5	25663	1	1	1	603,2848	1204,555	2
9	26,5	29367	1	1	1	621,3479	1240,681	2
9	26,5	45125	1	1	1	695,3402	1388,666	2
9	26,5	63360	1	1	1	778,4139	1554,813	2
9	26,5	69751	1	1	1	809,3964	1616,778	2
9	26,5	69760	1	1	1	809,3999	1616,785	2
9	26,5	69761	1	1	1	809,3999	1616,785	2
9	26,5	69769	1	1	1	809,402	1616,789	2
9	26,5	71293	1	1	1	817,3887	1632,763	2
9	26,5	78743	1	1	1	854,9451	1707,876	2

9	26,5	89163	1	1	1	909,509	1817,004	2
9	26,5	92710	1	1	1	928,4338	1854,853	2
9	26,5	92715	1	1	1	928,4358	1854,857	2
8	25,8	14927	1	1	1	544,8004	1087,586	2
8	25,8	14936	1	1	1	544,8177	1087,621	2
8	25,8	14938	1	1	1	544,8181	1087,622	2
8	25,8	39864	1	1	1	670,88	1339,745	2
8	25,8	39865	1	1	1	670,8805	1339,746	2
8	25,8	48463	1	1	1	710,882	1419,75	2
8	25,8	94745	1	1	1	939,9792	1877,944	2
8	25,8	98134	1	1	1	960,478	1918,942	2
8	25,8	98136	1	1	1	960,4791	1918,944	2
8	25,8	98137	1	1	1	960,4793	1918,944	2
8	25,8	98138	1	1	1	960,4806	1918,947	2
8	25,8	56183	1	1	1	745,0593	2232,156	3
8	25,8	120145	1	1	1	1117,09	2232,165	2
8	25,8	57407	1	1	1	750,3954	2248,165	3
8	25,8	67300	1	1	1	798,1069	2391,299	3
12	31,3	29104	1	1	1	619,8738	1237,733	2
12	31,3	32177	1	1	1	634,3686	1266,723	2
12	31,3	40110	1	1	1	671,8869	1341,759	2
12	31,3	42860	1	1	1	683,9049	1365,795	2
12	31,3	57273	1	1	1	749,4238	1496,833	2
12	31,3	63219	1	1	1	777,9694	1553,924	2
12	31,3	63221	1	1	1	777,9707	1553,927	2
12	31,3	67042	1	1	1	796,856	1591,697	2
12	31,3	73778	1	1	1	829,8931	1657,772	2
12	31,3	73779	1	1	1	829,8943	1657,774	2
12	31,3	85992	1	1	1	893,94	1785,866	2
12	31,3	85994	1	1	1	893,9403	1785,866	2
12	31,3	85995	1	1	1	893,9405	1785,866	2
12	31,3	85997	1	1	1	893,9422	1785,87	2
12	31,3	39719	1	1	1	670,035	2007,083	3
12	31,3	39720	1	1	1	670,0357	2007,085	3
12	31,3	39721	1	1	1	670,036	2007,086	3
12	31,3	133065	1	1	1	1357,799	2713,584	2
12	31,3	99748	1	1	1	971,141	2910,401	3
11	22,3	19146	1	1	1	568,8211	1135,628	2
11	22,3	19147	1	1	1	568,8216	1135,629	2
11	22,3	26646	1	1	1	608,308	1214,602	2
11	22,3	30245	1	1	1	624,8453	1247,676	2
11	22,3	38708	1	1	1	665,3633	1328,712	2
11	22,3	38709	1	1	1	665,3639	1328,713	2
11	22,3	38711	1	1	1	665,3651	1328,716	2
11	22,3	40163	1	1	1	672,3354	1342,656	2
11	22,3	45068	1	1	1	694,8643	1387,714	2
11	22,3	45069	1	1	1	694,8647	1387,715	2
11	22,3	5692	1	1	1	480,9079	1439,702	3

11	22,3	5693	1	1	1	480,9091	1439,706	3
11	22,3	55882	1	1	1	743,4141	1484,814	2
11	22,3	8742	1	1	1	504,5869	1510,739	3
11	22,3	8743	1	1	1	504,588	1510,742	3
11	22,3	58721	1	1	1	756,3798	1510,745	2
11	22,3	58722	1	1	1	756,3799	1510,745	2
11	22,3	58723	1	1	1	756,3801	1510,746	2
11	22,3	106410	1	1	1	1015,461	2028,908	2
11	22,3	75044	1	1	1	836,1222	2505,345	3
11	22,3	75045	1	1	1	836,1227	2505,346	3
6	38,1	23645	1	1	1	591,8491	1181,684	2
6	38,1	23647	1	1	1	591,8493	1181,684	2
6	38,1	39018	1	1	1	666,3272	1330,64	2
6	38,1	39019	1	1	1	666,3276	1330,641	2
6	38,1	39020	1	1	1	666,328	1330,642	2
6	38,1	39023	1	1	1	666,3325	1330,65	2
6	38,1	40652	1	1	1	674,3215	1346,628	2
6	38,1	40665	1	1	1	674,3246	1346,635	2
6	38,1	50534	1	1	1	720,4299	1438,845	2
6	38,1	16606	1	1	1	555,3121	1662,915	3
6	38,1	30363	1	1	1	625,676	1874,006	3
6	38,1	30364	1	1	1	625,677	1874,009	3
6	38,1	80651	1	1	1	864,7913	2591,352	3
6	38,1	80652	1	1	1	864,7918	2591,354	3
6	38,1	80653	1	1	1	864,7926	2591,356	3
6	38,1	80654	1	1	1	864,7943	2591,361	3
6	38,1	81677	1	1	1	870,1259	2607,356	3
6	60,2	58259	1	1	1	754,9165	1507,819	2
6	60,2	118902	1	1	1	1105,975	2209,935	2
6	60,2	54972	1	1	1	739,0723	2214,195	3
6	60,2	109810	1	1	1	1038,428	3112,261	3
6	60,2	109811	1	1	1	1038,43	3112,267	3
6	60,2	120059	1	1	1	1116,477	3346,41	3
6	60,2	120060	1	1	1	1116,481	3346,422	3
6	60,2	120543	1	1	1	1121,811	3362,41	3
6	60,2	120545	1	1	1	1121,812	3362,414	3
6	60,2	120546	1	1	1	1121,813	3362,416	3
6	60,2	130662	1	1	1	1268,553	3802,636	3
6	60,2	130663	1	1	1	1268,554	3802,64	3
6	60,2	130664	1	1	1	1268,556	3802,645	3
6	60,2	130665	1	1	1	1268,557	3802,648	3
6	60,2	130666	1	1	1	1268,557	3802,65	3
7	21,2	23638	1	1	1	591,8335	1181,652	2
7	21,2	23639	1	1	1	591,8338	1181,653	2
7	21,2	23640	1	1	1	591,8349	1181,655	2
7	21,2	23641	1	1	1	591,8353	1181,656	2
7	21,2	25029	1	1	1	599,831	1197,647	2
7	21,2	30786	1	1	1	627,3529	1252,691	2

7	21,2	34188	1	1	1	644,328	1286,641	2
7	21,2	41350	1	1	1	676,8864	1351,758	2
7	21,2	41351	1	1	1	676,8865	1351,759	2
7	21,2	41353	1	1	1	676,8873	1351,76	2
7	21,2	41354	1	1	1	676,8881	1351,762	2
7	21,2	41903	1	1	1	679,843	1357,671	2
7	21,2	41905	1	1	1	679,8444	1357,674	2
7	21,2	14750	1	1	1	543,2917	1626,853	3
7	21,2	14753	1	1	1	543,293	1626,857	3
7	21,2	127288	1	1	1	1203,652	2405,288	2
7	21,2	68411	1	1	1	802,772	2405,294	3
7	21,2	68412	1	1	1	802,772	2405,294	3
6	24,4	17025	1	1	1	557,3359	1112,657	2
6	24,4	17027	1	1	1	557,3375	1112,661	2
6	24,4	68233	1	1	1	801,8958	1601,777	2
6	24,4	76825	1	1	1	845,4122	1688,81	2
6	24,4	76828	1	1	1	845,4134	1688,812	2
6	24,4	78464	1	1	1	853,4088	1704,803	2
6	24,4	89206	1	1	1	909,9328	1817,851	2
6	24,4	98943	1	1	1	966,4755	1930,936	2
6	24,4	71305	1	1	1	817,3971	2449,169	3
6	24,4	72470	1	1	1	822,7299	2465,168	3
9	21,8	16640	1	1	1	555,7711	1109,528	2
9	21,8	16641	1	1	1	555,7718	1109,529	2
9	21,8	16643	1	1	1	555,7722	1109,53	2
9	21,8	18279	1	1	1	563,8162	1125,618	2
9	21,8	18280	1	1	1	563,817	1125,62	2
9	21,8	26269	1	1	1	606,3188	1210,623	2
9	21,8	26270	1	1	1	606,3211	1210,628	2
9	21,8	38716	1	1	1	665,3729	1328,731	2
9	21,8	65733	1	1	1	790,4271	1578,84	2
9	21,8	70573	1	1	1	813,3948	1624,775	2
9	21,8	84816	1	1	1	887,0036	1771,993	2
9	21,8	84817	1	1	1	887,0061	1771,998	2
9	21,8	93926	1	1	1	935,4559	1868,897	2
9	21,8	95267	1	1	1	943,4513	1884,888	2
9	21,8	126509	1	1	1	1193,093	2384,172	2
9	21,8	126511	1	1	1	1193,094	2384,174	2
9	21,8	126512	1	1	1	1193,094	2384,174	2
14	39,7	28700	1	1	1	618,3693	1234,724	2
14	39,7	38538	1	1	1	664,8152	1327,616	2
14	39,7	53127	1	1	1	731,3241	1460,634	2
14	39,7	53128	1	1	1	731,3252	1460,636	2
14	39,7	54310	1	1	1	736,3963	1470,778	2
14	39,7	71298	1	1	1	817,3908	1632,767	2
14	39,7	75249	1	1	1	836,9899	1671,965	2
14	39,7	77918	1	1	1	850,4595	1698,904	2
14	39,7	78085	1	1	1	851,9013	1701,788	2

14	39,7	78086	1	1	1	851,9022	1701,79	2
14	39,7	78421	1	1	1	852,9337	1703,853	2
14	39,7	90061	1	1	1	914,5074	1827	2
14	39,7	32955	1	1	1	637,9526	1910,836	3
14	39,7	32956	1	1	1	637,9549	1910,843	3
14	39,7	35872	1	1	1	651,9982	1952,973	3
14	39,7	54556	1	1	1	737,3877	2209,141	3
14	39,7	68651	1	1	1	804,037	2409,089	3
13	54,9	26332	1	1	1	606,796	1211,578	2
13	54,9	30732	1	1	1	627,2723	1252,53	2
13	54,9	46775	1	1	1	703,3668	1404,719	2
13	54,9	19821	1	1	1	572,6512	1714,932	3
13	54,9	19822	1	1	1	572,6526	1714,936	3
13	54,9	23328	1	1	1	590,6113	1768,812	3
13	54,9	93675	1	1	1	934,0358	1866,057	2
13	54,9	29901	1	1	1	623,6332	1867,878	3
13	54,9	34913	1	1	1	647,3138	1938,92	3
13	54,9	35980	1	1	1	652,9586	1955,854	3
13	54,9	40115	1	1	1	671,992	2012,954	3
13	54,9	53475	1	1	1	732,6865	2195,038	3
13	54,9	54962	1	1	1	739,0172	2214,03	3
13	54,9	70849	1	1	1	814,7274	2441,161	3
13	54,9	70850	1	1	1	814,7299	2441,168	3
3	28,9	21126	1	1	1	579,3081	1156,602	2
3	28,9	21127	1	1	1	579,3088	1156,603	2
3	28,9	45045	1	1	1	694,8369	1387,659	2
3	28,9	3826	1	1	1	463,5623	1387,665	3
3	28,9	45050	1	1	1	694,8415	1387,668	2
3	28,9	3831	1	1	1	463,5639	1387,67	3
3	28,9	45051	1	1	1	694,8429	1387,671	2
3	28,9	45052	1	1	1	694,843	1387,672	2
3	28,9	45053	1	1	1	694,8431	1387,672	2
3	28,9	74074	1	1	1	831,0467	2490,118	3
3	28,9	75057	1	1	1	836,3776	2506,111	3
3	28,9	75058	1	1	1	836,3778	2506,112	3
7	50	20974	1	1	1	578,8713	1155,728	2
7	50	20975	1	1	1	578,8714	1155,728	2
7	50	20976	1	1	1	578,8729	1155,731	2
7	50	21286	1	1	1	579,8176	1157,621	2
7	50	28029	1	1	1	615,3371	1228,66	2
7	50	28142	1	1	1	615,8292	1229,644	2
7	50	37221	1	1	1	658,8518	1315,689	2
7	50	37223	1	1	1	658,8527	1315,691	2
7	50	37225	1	1	1	658,853	1315,691	2
7	50	37226	1	1	1	658,8531	1315,692	2
7	50	37228	1	1	1	658,8533	1315,692	2
7	50	37229	1	1	1	658,8533	1315,692	2
7	50	37231	1	1	1	658,8534	1315,692	2

7	50	68430	1	1	1	802,903	1603,792	2
7	50	19032	1	1	1	567,9591	1700,855	3
7	50	19033	1	1	1	567,9604	1700,859	3
10	28,7	32240	1	1	1	634,832	1267,649	2
10	28,7	59463	1	1	1	759,8324	1517,65	2
10	28,7	65906	1	1	1	791,3863	1580,758	2
10	28,7	74452	1	1	1	833,4151	1664,816	2
10	28,7	77329	1	1	1	847,483	1692,952	2
10	28,7	77330	1	1	1	847,4847	1692,955	2
10	28,7	23041	1	1	1	589,3182	1764,933	3
10	28,7	86346	1	1	1	895,467	1788,919	2
10	28,7	89532	1	1	1	911,5265	1821,039	2
10	28,7	97183	1	1	1	954,9023	1907,79	2
10	28,7	97184	1	1	1	954,9052	1907,796	2
10	28,7	64244	1	1	1	783,0287	2346,064	3
11	58,9	14465	1	1	1	541,2552	1080,496	2
11	58,9	36455	1	1	1	655,344	1308,673	2
11	58,9	36457	1	1	1	655,3456	1308,677	2
11	58,9	36461	1	1	1	655,3468	1308,679	2
11	58,9	60274	1	1	1	763,9309	1525,847	2
11	58,9	60537	1	1	1	765,362	1528,71	2
11	58,9	90879	1	1	1	918,9156	1835,817	2
11	58,9	90880	1	1	1	918,9185	1835,823	2
11	58,9	33614	1	1	1	641,3432	1921,008	3
11	58,9	33615	1	1	1	641,3445	1921,012	3
11	58,9	33956	1	1	1	643,0203	1926,039	3
11	58,9	123538	1	1	1	1154,142	2306,269	2
11	58,9	63972	1	1	1	781,384	2341,13	3
11	58,9	88468	1	1	1	906,4282	2716,263	3
11	58,9	92587	1	1	1	927,8259	2780,456	3
11	58,9	92588	1	1	1	927,828	2780,462	3
8	34,8	22154	1	1	1	584,3579	1166,701	2
8	34,8	23797	1	1	1	592,3338	1182,653	2
8	34,8	63026	1	1	1	776,9481	1551,882	2
8	34,8	63027	1	1	1	776,9493	1551,884	2
8	34,8	99208	1	1	1	968,0017	1933,989	2
8	34,8	104994	1	1	1	1006,027	2010,038	2
8	34,8	44476	1	1	1	691,6991	2072,075	3
8	34,8	45463	1	1	1	697,0226	2088,046	3
8	34,8	45466	1	1	1	697,0264	2088,058	3
8	34,8	45467	1	1	1	697,0268	2088,059	3
8	34,8	48077	1	1	1	709,3187	2124,934	3
8	34,8	48096	1	1	1	709,3215	2124,943	3
8	34,8	49216	1	1	1	714,649	2140,925	3
8	34,8	49223	1	1	1	714,6515	2140,933	3
10	21,4	27716	1	1	1	613,8239	1225,633	2
10	21,4	27717	1	1	1	613,8241	1225,634	2
10	21,4	36139	1	1	1	653,8383	1305,662	2

10	21,4	40812	1	1	1	674,8159	1347,617	2
10	21,4	50362	1	1	1	719,9021	1437,79	2
10	21,4	72268	1	1	1	821,9026	1641,791	2
10	21,4	84417	1	1	1	884,4515	1766,888	2
10	21,4	88631	1	1	1	906,956	1811,898	2
10	21,4	92645	1	1	1	927,9662	1853,918	2
10	21,4	118912	1	1	1	1106,053	2210,091	2
10	21,4	54626	1	1	1	737,7065	2210,098	3
10	21,4	118915	1	1	1	1106,057	2210,1	2
10	21,4	88395	1	1	1	905,7823	2714,325	3
7	27,6	38717	1	1	1	665,3773	1328,74	2
7	27,6	72290	1	1	1	821,9776	1641,941	2
7	27,6	72926	1	1	1	825,4277	1648,841	2
7	27,6	98065	1	1	1	960,014	1918,014	2
7	27,6	33440	1	1	1	640,3462	1918,017	3
7	27,6	33442	1	1	1	640,3467	1918,018	3
7	27,6	105133	1	1	1	1007,087	2012,159	2
7	27,6	41537	1	1	1	678,0676	2031,181	3
7	27,6	41538	1	1	1	678,068	2031,182	3
7	27,6	89006	1	1	1	908,5461	2722,617	3
7	8,6	32456	1	1	1	635,3545	1268,694	2
7	8,6	41814	1	1	1	679,3716	1356,729	2
7	8,6	45641	1	1	1	697,8836	1393,753	2
7	8,6	45644	1	1	1	697,8841	1393,754	2
7	8,6	65572	1	1	1	789,4095	1576,804	2
7	8,6	65575	1	1	1	789,412	1576,81	2
7	8,6	69637	1	1	1	808,4447	1614,875	2
7	8,6	75591	1	1	1	838,447	1674,88	2
7	8,6	75594	1	1	1	838,4484	1674,882	2
7	8,6	75595	1	1	1	838,4491	1674,884	2
7	8,6	25485	1	1	1	601,9966	1802,968	3
7	8,6	25486	1	1	1	601,9977	1802,971	3
7	8,6	87784	1	1	1	902,4946	1802,975	2
1	1,6	41814	1	0	1	679,3716	1356,729	2
5	18,7	32396	1	1	1	635,3346	1268,655	2
5	18,7	35205	1	1	1	648,8303	1295,646	2
5	18,7	65760	1	1	1	790,8672	1579,72	2
5	18,7	65761	1	1	1	790,8675	1579,721	2
5	18,7	65762	1	1	1	790,8682	1579,722	2
5	18,7	67487	1	1	1	798,8692	1595,724	2
5	18,7	91308	1	1	1	920,9194	1839,824	2
5	18,7	91310	1	1	1	920,9222	1839,83	2
5	18,7	70088	1	1	1	811,0798	2430,218	3
5	18,7	70089	1	1	1	811,0802	2430,219	3
5	18,7	70091	1	1	1	811,0824	2430,225	3
7	31,2	17136	1	1	1	557,7806	1113,547	2
7	31,2	47660	1	1	1	706,8641	1411,714	2
7	31,2	47663	1	1	1	706,865	1411,716	2

7	31,2	47667	1	1	1	706,8658	1411,717	2
7	31,2	47668	1	1	1	706,8662	1411,718	2
7	31,2	63191	1	1	1	777,8833	1553,752	2
7	31,2	20345	1	1	1	575,6478	1723,922	3
7	31,2	20346	1	1	1	575,6483	1723,923	3
7	31,2	20348	1	1	1	575,6492	1723,926	3
7	31,2	88074	1	1	1	904,3507	1806,687	2
7	31,2	92509	1	1	1	927,4678	1852,921	2
7	31,2	92510	1	1	1	927,4682	1852,922	2
7	31,2	92514	1	1	1	927,4698	1852,925	2
7	31,2	92895	1	1	1	929,4176	1856,821	2
11	31,9	21441	1	1	1	580,8194	1159,624	2
11	31,9	43284	1	1	1	685,8886	1369,763	2
11	31,9	43287	1	1	1	685,8898	1369,765	2
11	31,9	43289	1	1	1	685,8907	1369,767	2
11	31,9	43291	1	1	1	685,8912	1369,768	2
11	31,9	43292	1	1	1	685,8913	1369,768	2
11	31,9	43665	1	1	1	687,8057	1373,597	2
11	31,9	43667	1	1	1	687,8074	1373,6	2
11	31,9	55678	1	1	1	742,4338	1482,853	2
11	31,9	67676	1	1	1	799,4542	1596,894	2
11	31,9	67677	1	1	1	799,456	1596,898	2
11	31,9	77691	1	1	1	849,4238	1696,833	2
11	31,9	80679	1	1	1	864,9786	1727,943	2
11	31,9	98299	1	1	1	962,0217	1922,029	2
11	31,9	34862	1	1	1	647,0093	1938,006	3
11	31,9	99484	1	1	1	970,0186	1938,023	2
11	31,9	99485	1	1	1	970,0188	1938,023	2
11	31,9	49551	1	1	1	716,0485	2145,124	3
11	31,9	122825	1	1	1	1144,575	2287,136	2
11	31,9	64009	1	1	1	781,436	2341,286	3
7	30,5	31164	1	1	1	629,3384	1256,662	2
7	30,5	50916	1	1	1	722,3871	1442,76	2
7	30,5	50921	1	1	1	722,3875	1442,76	2
7	30,5	28177	1	1	1	615,9967	1844,968	3
7	30,5	28178	1	1	1	615,9968	1844,969	3
7	30,5	35076	1	1	1	648,0114	1941,012	3
7	30,5	35077	1	1	1	648,0116	1941,013	3
7	30,5	106072	1	1	1	1013,468	2024,921	2
7	30,5	106076	1	1	1	1013,469	2024,924	2
7	30,5	106080	1	1	1	1013,471	2024,926	2
7	30,5	106091	1	1	1	1013,475	2024,935	2
7	30,5	108405	1	1	1	1027,525	2053,036	2
7	30,5	108436	1	1	1	1027,53	2053,044	2
7	30,5	108440	1	1	1	1027,531	2053,047	2
7	30,5	68655	1	1	1	804,0798	2409,218	3
11	62,1	37844	1	1	1	661,8429	1321,671	2
11	62,1	37887	1	1	1	662,3028	1322,591	2



11	62,1	55194	1	1	1	740,3522	1478,69	2
11	62,1	55198	1	1	1	740,3551	1478,696	2
11	62,1	64236	1	1	1	782,9343	1563,854	2
11	62,1	71446	1	1	1	818,4007	1634,787	2
11	62,1	72080	1	1	1	820,9658	1639,917	2
11	62,1	72082	1	1	1	820,9692	1639,924	2
11	62,1	20168	1	1	1	574,3259	1719,956	3
11	62,1	29202	1	1	1	620,3571	1858,05	3
11	62,1	30713	1	1	1	626,973	1877,897	3
11	62,1	30714	1	1	1	626,9737	1877,899	3
11	62,1	30715	1	1	1	626,974	1877,9	3
11	62,1	30716	1	1	1	626,9743	1877,901	3
11	62,1	37011	1	1	1	658,054	1971,14	3
11	62,1	47366	1	1	1	705,4121	2113,214	3
9	16,6	45373	1	1	1	696,3806	1390,747	2
9	16,6	45441	1	1	1	696,8533	1391,692	2
9	16,6	48589	1	1	1	711,8495	1421,684	2
9	16,6	48590	1	1	1	711,8503	1421,686	2
9	16,6	59585	1	1	1	760,3594	1518,704	2
9	16,6	63467	1	1	1	778,9298	1555,845	2
9	16,6	111942	1	1	1	1052,448	2102,882	2
9	16,6	111943	1	1	1	1052,45	2102,885	2
9	16,6	122187	1	1	1	1139,073	2276,131	2
9	16,6	122188	1	1	1	1139,073	2276,131	2
9	16,6	65971	1	1	1	791,6975	2372,071	3
9	16,6	76737	1	1	1	844,4583	2530,353	3
7	26,1	17221	1	1	1	558,269	1114,524	2
7	26,1	18063	1	1	1	562,788	1123,562	2
7	26,1	28336	1	1	1	616,8495	1231,684	2
7	26,1	45056	1	1	1	694,8478	1387,681	2
7	26,1	45058	1	1	1	694,8504	1387,686	2
7	26,1	45059	1	1	1	694,8506	1387,687	2
7	26,1	45060	1	1	1	694,8512	1387,688	2
7	26,1	52874	1	1	1	729,9373	1457,86	2
7	26,1	52875	1	1	1	729,9382	1457,862	2
7	26,1	99895	1	1	1	972,0241	1942,034	2
7	26,1	101180	1	1	1	980,0259	1958,037	2
7	26,1	101181	1	1	1	980,0284	1958,042	2
7	26,1	111707	1	1	1	1050,081	2098,148	2
5	18,6	20818	1	1	1	577,817	1153,619	2
5	18,6	20819	1	1	1	577,8181	1153,622	2
5	18,6	20820	1	1	1	577,8185	1153,623	2
5	18,6	20821	1	1	1	577,8193	1153,624	2
5	18,6	22392	1	1	1	585,816	1169,617	2
5	18,6	27628	1	1	1	613,3368	1224,659	2
5	18,6	38059	1	1	1	662,8706	1323,727	2
5	18,6	38060	1	1	1	662,8708	1323,727	2
5	18,6	38061	1	1	1	662,8709	1323,727	2

5	18,6	39858	1	1	1	670,868	1339,722	2
5	18,6	65782	1	1	1	790,9206	1579,827	2
5	18,6	65783	1	1	1	790,9215	1579,829	2
5	18,6	65784	1	1	1	790,9245	1579,834	2
5	18,6	85449	1	1	1	890,4661	1778,918	2
2	11,1	129521	1	1	1	1240,178	3717,511	3
2	11,1	129522	1	1	1	1240,179	3717,515	3
2	11,1	130533	1	1	1	1263,855	3788,542	3
2	11,1	130534	1	1	1	1263,863	3788,567	3
2	11,1	130535	1	1	1	1263,864	3788,569	3
7	36,1	48009	1	1	1	708,8408	1415,667	2
7	36,1	71953	1	1	1	820,4197	1638,825	2
7	36,1	71954	1	1	1	820,4213	1638,828	2
7	36,1	71955	1	1	1	820,4216	1638,829	2
7	36,1	71957	1	1	1	820,4226	1638,831	2
7	36,1	74533	1	1	1	833,9328	1665,851	2
7	36,1	74534	1	1	1	833,934	1665,854	2
7	36,1	31588	1	1	1	631,323	1890,947	3
7	36,1	31589	1	1	1	631,3248	1890,953	3
7	36,1	48175	1	1	1	709,3818	2125,124	3
7	36,1	55906	1	1	1	743,701	2228,081	3
7	36,1	57261	1	1	1	749,4106	2245,21	3
5	17,5	6746	1	1	1	489,2369	1464,689	3
5	17,5	73591	1	1	1	828,9265	1655,838	2
5	17,5	73592	1	1	1	828,9275	1655,84	2
5	17,5	78094	1	1	1	851,9175	1701,82	2
5	17,5	78096	1	1	1	851,9176	1701,821	2
5	17,5	78097	1	1	1	851,9208	1701,827	2
5	17,5	78098	1	1	1	851,9224	1701,83	2
5	17,5	93001	1	1	1	929,9637	1857,913	2
5	17,5	29168	1	1	1	620,3136	1857,919	3
5	17,5	53770	1	1	1	734,3679	2200,082	3
6	27,2	30309	1	1	1	625,3158	1248,617	2
6	27,2	55215	1	1	1	740,3663	1478,718	2
6	27,2	55216	1	1	1	740,3698	1478,725	2
6	27,2	55219	1	1	1	740,3745	1478,735	2
6	27,2	71248	1	1	1	816,9106	1631,807	2
6	27,2	79854	1	1	1	860,9655	1719,916	2
6	27,2	79855	1	1	1	860,9665	1719,919	2
6	27,2	95063	1	1	1	941,8986	1881,783	2
6	27,2	95067	1	1	1	941,9028	1881,791	2
6	27,2	95068	1	1	1	941,903	1881,792	2
6	27,2	95069	1	1	1	941,9042	1881,794	2
6	27,2	96330	1	1	1	949,8993	1897,784	2
6	27,2	96331	1	1	1	949,8994	1897,784	2
6	27,2	102257	1	1	1	987,5715	1973,128	2
4	34,7	70172	1	1	1	811,4019	1620,789	2
4	34,7	97644	1	1	1	957,5178	1913,021	2

4	34,7	97646	1	1	1	957,5196	1913,025	2
4	34,7	97651	1	1	1	957,5213	1913,028	2
4	34,7	97655	1	1	1	957,5239	1913,033	2
4	34,7	69282	1	1	1	807,0454	2418,114	3
4	34,7	69283	1	1	1	807,0456	2418,115	3
4	34,7	83269	1	1	1	878,7563	2633,247	3
4	30,3	23277	1	1	1	590,3021	1178,59	2
4	30,3	23278	1	1	1	590,3023	1178,59	2
4	30,3	23279	1	1	1	590,3023	1178,59	2
4	30,3	23280	1	1	1	590,3025	1178,59	2
4	30,3	104315	1	1	1	1000,519	1999,023	2
4	30,3	42496	1	1	1	682,644	2044,91	3
4	30,3	107676	1	1	1	1023,477	2044,939	2
4	30,3	112178	1	1	1	1053,964	2105,912	2
4	30,3	112183	1	1	1	1053,965	2105,915	2
4	30,3	112184	1	1	1	1053,965	2105,916	2
4	30,3	112186	1	1	1	1053,966	2105,917	2
4	30,3	112187	1	1	1	1053,966	2105,918	2
4	30,3	112188	1	1	1	1053,967	2105,919	2
4	30,3	112189	1	1	1	1053,967	2105,92	2
6	37,3	48279	1	1	1	709,8603	1417,706	2
6	37,3	59618	1	1	1	760,3831	1518,752	2
6	37,3	59621	1	1	1	760,385	1518,755	2
6	37,3	61808	1	1	1	771,3801	1540,746	2
6	37,3	61810	1	1	1	771,3813	1540,748	2
6	37,3	69859	1	1	1	809,9175	1617,821	2
6	37,3	69861	1	1	1	809,9216	1617,829	2
6	37,3	72799	1	1	1	824,4276	1646,841	2
6	37,3	72803	1	1	1	824,4309	1646,847	2
6	37,3	21833	1	1	1	582,9766	1745,908	3
6	37,3	21834	1	1	1	582,9769	1745,909	3
6	37,3	21836	1	1	1	582,9787	1745,914	3
6	37,3	82399	1	1	1	873,9647	1745,915	2
6	37,3	82400	1	1	1	873,9651	1745,916	2
6	37,3	82401	1	1	1	873,9677	1745,921	2
5	32,2	64095	1	1	0	782,3426	1562,671	2
5	32,2	65005	1	1	1	786,411	1570,807	2
5	32,2	82609	1	1	0	875,394	1748,773	2
5	32,2	82612	1	1	0	875,3962	1748,778	2
5	32,2	82615	1	1	0	875,3977	1748,781	2
5	32,2	39717	1	1	1	670,0118	2007,014	3
5	32,2	39718	1	1	1	670,0125	2007,016	3
5	32,2	46599	1	1	1	702,6559	2104,946	3
5	32,2	46600	1	1	1	702,6568	2104,949	3
5	17,6	64095	1	0	0	782,3426	1562,671	2
5	17,6	82609	1	0	0	875,394	1748,773	2
5	17,6	82612	1	0	0	875,3962	1748,778	2
5	17,6	82615	1	0	0	875,3977	1748,781	2

5	17,6	99232	1	0	1	968,428	1934,842	2
5	17,6	44475	1	0	1	691,6956	2072,065	3
5	17,6	59674	1	0	1	760,6744	2279,002	3
5	17,6	59675	1	0	1	760,6752	2279,004	3
8	29,2	17323	1	1	1	558,8152	1115,616	2
8	29,2	28053	1	1	1	615,3544	1228,694	2
8	29,2	28055	1	1	1	615,3573	1228,7	2
8	29,2	46069	1	1	1	700,3706	1398,727	2
8	29,2	49206	1	1	1	714,4242	1426,834	2
8	29,2	75238	1	1	1	836,9197	1671,825	2
8	29,2	99394	1	1	1	969,4527	1936,891	2
8	29,2	99395	1	1	1	969,4537	1936,893	2
8	29,2	89451	1	1	1	911,1203	2730,339	3
8	29,2	92479	1	1	1	927,4345	2779,282	3
6	30,2	24516	1	1	1	596,8161	1191,618	2
6	30,2	35846	1	1	1	651,8363	1301,658	2
6	30,2	37402	1	1	1	659,837	1317,66	2
6	30,2	73643	1	1	1	829,3852	1656,756	2
6	30,2	73645	1	1	1	829,3856	1656,757	2
6	30,2	73650	1	1	1	829,3876	1656,761	2
6	30,2	73652	1	1	1	829,3884	1656,762	2
6	30,2	24793	1	1	1	598,6106	1792,81	3
6	30,2	24794	1	1	1	598,6117	1792,813	3
6	30,2	43736	1	1	1	688,0044	2060,991	3
6	30,2	119963	1	1	1	1115,548	2229,08	2
8	19	44731	1	1	1	692,877	1383,739	2
8	19	44732	1	1	1	692,878	1383,741	2
8	19	44734	1	1	1	692,8789	1383,743	2
8	19	79519	1	1	1	858,9189	1715,823	2
8	19	79828	1	1	1	860,8734	1719,732	2
8	19	82651	1	1	1	875,4362	1748,858	2
8	19	88298	1	1	1	905,438	1808,862	2
8	19	89641	1	1	1	912,4499	1822,885	2
8	19	89642	1	1	1	912,4511	1822,888	2
8	19	99061	1	1	1	967,4291	1932,844	2
8	19	108105	1	1	1	1026,058	2050,102	2
5	35,8	15370	1	1	1	547,8526	1093,691	2
5	35,8	15371	1	1	1	547,8534	1093,692	2
5	35,8	66254	1	1	1	792,8716	1583,729	2
5	35,8	66255	1	1	1	792,8722	1583,73	2
5	35,8	66256	1	1	1	792,8749	1583,735	2
5	35,8	67848	1	1	1	800,4161	1598,818	2
5	35,8	26359	1	1	1	606,9471	1817,819	3
5	35,8	89199	1	1	1	909,9179	1817,821	2
5	35,8	26360	1	1	1	606,9488	1817,825	3
5	35,8	79508	1	1	1	858,7855	2573,335	3
6	29,5	53097	1	1	1	730,9071	1459,8	2
6	29,5	26366	1	1	1	606,9918	1817,953	3

6	29,5	89224	1	1	1	909,9921	1817,97	2
6	29,5	27441	1	1	1	612,3226	1833,946	3
6	29,5	90700	1	1	1	917,9901	1833,966	2
6	29,5	35359	1	1	1	649,692	1946,054	3
6	29,5	107060	1	1	1	1018,52	2035,026	2
6	29,5	58132	1	1	1	754,3343	2259,981	3
6	29,5	58137	1	1	1	754,3381	2259,992	3
6	29,5	124042	1	1	1	1160,591	2319,167	2
6	29,5	124045	1	1	1	1160,593	2319,171	2
7	13,2	2003	1	1	1	435,2213	868,4281	2
7	13,2	26025	1	1	1	605,2926	1208,571	2
7	13,2	44459	1	1	1	691,3965	1380,779	2
7	13,2	62151	1	1	1	772,9251	1543,836	2
7	13,2	62152	1	1	1	772,9265	1543,839	2
7	13,2	23500	1	1	1	591,3267	1770,958	3
7	13,2	84744	1	1	1	886,4903	1770,966	2
7	13,2	84745	1	1	1	886,4913	1770,968	2
7	13,2	84747	1	1	1	886,4927	1770,971	2
7	13,2	26066	1	1	1	605,3473	1813,02	3
7	13,2	42142	1	1	1	681,0589	2040,155	3
8	18,7	22964	1	1	1	589,2678	1176,521	2
8	18,7	31563	1	1	1	631,3073	1260,6	2
8	18,7	45082	1	1	1	694,8958	1387,777	2
8	18,7	45085	1	1	1	694,909	1387,804	2
8	18,7	48338	1	1	1	710,3312	1418,648	2
8	18,7	70614	1	1	1	813,4537	1624,893	2
8	18,7	70615	1	1	1	813,4542	1624,894	2
8	18,7	75250	1	1	1	836,9903	1671,966	2
8	18,7	117676	1	1	1	1094,539	2187,064	2
8	18,7	117678	1	1	1	1094,542	2187,07	2
11	31,8	29646	1	1	1	622,7927	1243,571	2
11	31,8	40406	1	1	1	673,3175	1344,62	2
11	31,8	43620	1	1	1	687,3794	1372,744	2
11	31,8	44530	1	1	1	691,8597	1381,705	2
11	31,8	44531	1	1	1	691,8598	1381,705	2
11	31,8	44536	1	1	1	691,861	1381,708	2
11	31,8	58877	1	1	1	757,3811	1512,748	2
11	31,8	58878	1	1	1	757,3814	1512,748	2
11	31,8	69180	1	1	1	806,4179	1610,821	2
11	31,8	70683	1	1	1	813,9234	1625,832	2
11	31,8	18970	1	1	1	567,3012	1698,882	3
11	31,8	18971	1	1	1	567,302	1698,884	3
11	31,8	81751	1	1	1	870,4649	1738,915	2
11	31,8	81755	1	1	1	870,4665	1738,919	2
11	31,8	31822	1	1	1	632,6753	1895,004	3
11	31,8	96700	1	1	1	952,4117	1902,809	2
11	31,8	32968	1	1	1	638,0065	1910,998	3
3	39	29441	1	1	1	621,8695	1241,724	2

3	39	88961	1	1	1	908,4741	1814,934	2
3	39	88964	1	1	1	908,4757	1814,937	2
3	39	88969	1	1	1	908,4772	1814,94	2
3	39	88972	1	1	1	908,4781	1814,942	2
3	39	81203	1	1	1	868,0956	2601,265	3
3	39	81204	1	1	1	868,096	2601,266	3
3	39	81207	1	1	1	868,0992	2601,276	3
9	48	23630	1	1	1	591,8247	1181,635	2
9	48	24377	1	1	1	595,8333	1189,652	2
9	48	29370	1	1	1	621,3501	1240,686	2
9	48	43101	1	1	1	684,8748	1367,735	2
9	48	59171	1	1	1	758,3991	1514,784	2
9	48	59196	1	1	1	758,4199	1514,825	2
9	48	59201	1	1	1	758,4208	1514,827	2
9	48	72989	1	1	1	825,9573	1649,9	2
9	48	72990	1	1	1	825,9593	1649,904	2
9	48	80023	1	1	1	861,9273	1721,84	2
9	48	48474	1	1	1	711,0371	2130,089	3
4	17,8	26004	1	1	1	605,2663	1208,518	2
4	17,8	26005	1	1	1	605,2673	1208,52	2
4	17,8	62980	1	1	1	776,8664	1551,718	2
4	17,8	12287	1	1	1	526,9518	1577,834	3
4	17,8	82133	1	1	1	872,7826	2615,326	3
4	17,8	82137	1	1	1	872,7848	2615,333	3
4	17,8	82139	1	1	1	872,7867	2615,338	3
4	17,8	82140	1	1	1	872,787	2615,339	3
4	17,8	82142	1	1	1	872,7882	2615,343	3
4	17,8	82143	1	1	1	872,7886	2615,344	3
4	17,8	82144	1	1	1	872,7891	2615,346	3
3	7	26344	1	1	1	606,8248	1211,635	2
3	7	26346	1	1	1	606,8288	1211,643	2
3	7	33857	1	1	1	642,3439	1282,673	2
3	7	33860	1	1	1	642,3455	1282,676	2
3	7	35536	1	1	1	650,3412	1298,668	2
3	7	58561	1	1	1	755,9102	1509,806	2
3	7	58562	1	1	1	755,9106	1509,807	2
3	7	58563	1	1	1	755,9115	1509,808	2
3	7	60268	1	1	1	763,9074	1525,8	2
2	2	105598	1	1	1	1009,937	2017,86	2
2	2	105604	1	1	1	1009,945	2017,876	2
2	2	105605	1	1	1	1009,945	2017,876	2
2	2	105607	1	1	1	1009,947	2017,88	2
2	2	49576	1	1	1	716,3291	2145,966	3
2	2	49581	1	1	1	716,33	2145,968	3
2	2	49582	1	1	1	716,3301	2145,968	3
9	29,8	30771	1	1	1	627,316	1252,617	2
9	29,8	43912	1	1	1	688,8637	1375,713	2
9	29,8	45241	1	1	1	695,8512	1389,688	2

9	29,8	63496	1	1	1	779,3512	1556,688	2
9	29,8	64566	1	1	1	784,4035	1566,793	2
9	29,8	67139	1	1	1	797,3684	1592,722	2
9	29,8	67143	1	1	1	797,3691	1592,724	2
9	29,8	67147	1	1	1	797,3717	1592,729	2
9	29,8	67148	1	1	1	797,3737	1592,733	2
9	29,8	67159	1	1	1	797,3833	1592,752	2
9	29,8	27918	1	1	1	614,6337	1840,879	3
9	29,8	91420	1	1	1	921,4521	1840,89	2
9	29,8	113476	1	1	1	1063,026	2124,038	2
9	29,8	115886	1	1	1	1081,196	3240,566	3
12	54,8	6452	1	1	1	486,7802	971,5458	2
12	54,8	9173	1	1	1	507,2812	1012,548	2
12	54,8	10371	1	1	1	515,2892	1028,564	2
12	54,8	19572	1	1	1	571,3295	1140,644	2
12	54,8	19681	1	1	1	571,8325	1141,65	2
12	54,8	19682	1	1	1	571,8343	1141,654	2
12	54,8	19683	1	1	1	571,8348	1141,655	2
12	54,8	39255	1	1	1	667,8168	1333,619	2
12	54,8	39257	1	1	1	667,8183	1333,622	2
12	54,8	77187	1	1	1	846,9286	1691,843	2
12	54,8	31403	1	1	1	630,6487	1888,924	3
12	54,8	119828	1	1	1	1114,143	2226,271	2
12	54,8	119829	1	1	1	1114,144	2226,272	2
12	54,8	57462	1	1	1	750,7292	2249,166	3
12	54,8	122260	1	1	1	1139,994	2277,974	2
12	54,8	122261	1	1	1	1139,999	2277,984	2
12	54,8	126866	1	1	1	1198,873	3593,598	3
1	1,7	6452	1	0	1	486,7802	971,5458	2
11	36,7	16091	1	1	1	551,7688	1101,523	2
11	36,7	28115	1	1	1	615,8149	1229,615	2
11	36,7	28120	1	1	1	615,817	1229,62	2
11	36,7	28123	1	1	1	615,8178	1229,621	2
11	36,7	28124	1	1	1	615,8179	1229,621	2
11	36,7	34103	1	1	1	643,8659	1285,717	2
11	36,7	34105	1	1	1	643,868	1285,722	2
11	36,7	41933	1	1	1	679,8661	1357,718	2
11	36,7	74398	1	1	1	832,9559	1663,897	2
11	36,7	82857	1	1	1	876,4719	1750,929	2
11	36,7	89601	1	1	1	911,9922	1821,97	2
11	36,7	43741	1	1	1	688,0388	2061,095	3
11	36,7	43742	1	1	1	688,0388	2061,095	3
11	36,7	116130	1	1	1	1084,056	2166,097	2
11	36,7	51960	1	1	1	726,7232	2177,148	3
11	36,7	125156	1	1	1	1174,083	2346,151	2
9	22,3	19634	1	1	1	571,765	1141,516	2
9	22,3	26463	1	1	1	607,3132	1212,612	2
9	22,3	35969	1	1	1	652,8469	1303,679	2

9	22,3	35970	1	1	1	652,8475	1303,68	2
9	22,3	36790	1	1	1	656,8505	1311,686	2
9	22,3	43387	1	1	1	686,3639	1370,713	2
9	22,3	49509	1	1	1	715,8712	1429,728	2
9	22,3	78839	1	1	1	855,396	1708,778	2
9	22,3	78843	1	1	1	855,4013	1708,788	2
9	22,3	78846	1	1	1	855,4026	1708,791	2
9	22,3	29631	1	1	1	622,639	1864,895	3
9	22,3	116615	1	1	1	1086,864	3257,569	3
11	25,5	24949	1	1	1	599,367	1196,72	2
11	25,5	43900	1	1	1	688,843	1375,672	2
11	25,5	43901	1	1	1	688,8439	1375,673	2
11	25,5	43902	1	1	1	688,8445	1375,674	2
11	25,5	55006	1	1	1	739,3646	1476,715	2
11	25,5	57330	1	1	1	749,9027	1497,791	2
11	25,5	62542	1	1	1	774,9005	1547,787	2
11	25,5	66897	1	1	1	795,906	1589,797	2
11	25,5	66941	1	1	1	796,3601	1590,706	2
11	25,5	82105	1	1	1	872,4759	1742,937	2
11	25,5	99896	1	1	1	972,0441	1942,074	2
11	25,5	43828	1	1	1	688,3475	2062,021	3
11	25,5	44243	1	1	1	690,4236	2068,249	3
8	28,8	45621	1	1	1	697,8537	1393,693	2
8	28,8	52862	1	1	1	729,899	1457,784	2
8	28,8	54928	1	1	1	738,8677	1475,721	2
8	28,8	54932	1	1	1	738,8682	1475,722	2
8	28,8	70369	1	1	1	812,4105	1622,806	2
8	28,8	72227	1	1	1	821,4675	1640,92	2
8	28,8	72229	1	1	1	821,4706	1640,927	2
8	28,8	73930	1	1	1	830,4237	1658,833	2
8	28,8	79777	1	1	1	860,4421	1718,87	2
8	28,8	79779	1	1	1	860,4427	1718,871	2
8	28,8	81527	1	1	1	869,4233	1736,832	2
2	12,3	72968	1	1	1	825,9027	1649,791	2
2	12,3	72969	1	1	1	825,9034	1649,792	2
2	12,3	72972	1	1	1	825,906	1649,797	2
2	12,3	72973	1	1	1	825,907	1649,799	2
2	12,3	72974	1	1	1	825,907	1649,799	2
2	12,3	74501	1	1	1	833,7468	2498,219	3
7	33,8	15083	1	1	1	545,808	1089,601	2
7	33,8	43282	1	1	1	685,8825	1369,751	2
7	33,8	83719	1	1	1	881,4243	1760,834	2
7	33,8	83730	1	1	1	881,4264	1760,838	2
7	33,8	85984	1	1	1	893,9092	1785,804	2
7	33,8	85985	1	1	1	893,9097	1785,805	2
7	33,8	89094	1	1	1	909,462	1816,91	2
7	33,8	91838	1	1	1	923,4392	1844,864	2
7	33,8	91839	1	1	1	923,4394	1844,864	2



7	33,8	85417	1	1	1	890,4401	2668,299	3
6	6,9	39689	1	1	1	669,8567	1337,699	2
6	6,9	55613	1	1	1	742,3688	1482,723	2
6	6,9	92189	1	1	1	925,431	1848,848	2
6	6,9	103128	1	1	1	993,0184	1984,022	2
6	6,9	115883	1	1	1	1081,11	2160,206	2
6	6,9	112402	1	1	1	1055,187	3162,54	3
6	6,9	112404	1	1	1	1055,189	3162,546	3
6	6,9	112405	1	1	1	1055,19	3162,549	3
4	18,3	6265	1	1	1	485,8038	969,593	2
4	18,3	89301	1	1	1	910,4549	1818,895	2
4	18,3	30340	1	1	1	625,3435	1873,009	3
4	18,3	47551	1	1	1	706,354	2116,04	3
4	18,3	47553	1	1	1	706,355	2116,043	3
4	18,3	47554	1	1	1	706,3556	2116,045	3
4	18,3	47560	1	1	1	706,364	2116,07	3
7	15,3	34955	1	1	1	647,3958	1292,777	2
7	15,3	34956	1	1	1	647,3959	1292,777	2
7	15,3	46434	1	1	1	701,8828	1401,751	2
7	15,3	46435	1	1	1	701,8833	1401,752	2
7	15,3	48155	1	1	1	709,362	1416,709	2
7	15,3	48156	1	1	1	709,3658	1416,717	2
7	15,3	55602	1	1	1	742,3442	1482,674	2
7	15,3	80308	1	1	1	863,4255	1724,836	2
7	15,3	83115	1	1	1	878,4176	1754,821	2
7	15,3	96087	1	1	1	948,4742	1894,934	2
2	21,9	51541	1	1	1	724,3828	2170,127	3
2	21,9	119001	1	1	1	1107,081	2212,148	2
2	21,9	57874	1	1	1	752,729	2255,165	3
2	21,9	57877	1	1	1	752,7311	2255,172	3
2	21,9	121255	1	1	1	1128,594	2255,174	2
2	21,9	57879	1	1	1	752,7327	2255,176	3
2	21,9	57880	1	1	1	752,7345	2255,182	3
8	20,3	24223	1	1	1	594,8165	1187,619	2
8	20,3	24224	1	1	1	594,8168	1187,619	2
8	20,3	26568	1	1	1	607,8545	1213,694	2
8	20,3	31442	1	1	1	630,8111	1259,608	2
8	20,3	40371	1	1	1	672,9033	1343,792	2
8	20,3	59070	1	1	1	758,3474	1514,68	2
8	20,3	72474	1	1	1	822,8668	1643,719	2
8	20,3	83327	1	1	1	879,4125	1756,81	2
8	20,3	83329	1	1	1	879,4168	1756,819	2
8	20,3	35069	1	1	1	647,9813	1940,922	3
8	20,3	35070	1	1	1	647,9827	1940,926	3
8	20,3	99790	1	1	1	971,4711	1940,928	2
8	20,3	99791	1	1	1	971,4738	1940,933	2
6	47,9	23722	1	1	1	592,267	1182,52	2
6	47,9	23725	1	1	1	592,2684	1182,522	2

6	47,9	56871	1	1	1	747,8776	1493,741	2
6	47,9	56872	1	1	1	747,8777	1493,741	2
6	47,9	73317	1	1	1	827,8507	1653,687	2
6	47,9	73318	1	1	1	827,8511	1653,688	2
6	47,9	73320	1	1	1	827,852	1653,689	2
6	47,9	74936	1	1	1	835,8481	1669,682	2
6	47,9	28290	1	1	1	616,5982	1846,773	3
6	47,9	48787	1	1	1	713,015	2136,023	3
6	47,9	48788	1	1	1	713,0182	2136,033	3
6	47,9	125901	1	1	1	1185,532	2369,049	2
6	47,9	125914	1	1	1	1185,536	2369,057	2
6	47,9	125916	1	1	1	1185,537	2369,058	2
6	47,9	125919	1	1	1	1185,537	2369,059	2
8	12	40137	1	1	1	672,3065	1342,598	2
8	12	53703	1	1	1	733,874	1465,733	2
8	12	70911	1	1	1	815,3772	1628,74	2
8	12	26180	1	1	1	605,9378	1814,791	3
8	12	40493	1	1	1	673,6272	2017,86	3
8	12	40495	1	1	1	673,6299	2017,868	3
8	12	41388	1	1	1	677,3056	2028,895	3
8	12	76497	1	1	1	843,4031	2527,187	3
8	12	129965	1	1	1	1250,521	3748,542	3
8	12	129966	1	1	1	1250,522	3748,545	3
6	29,7	24655	1	1	1	597,8044	1193,594	2
6	29,7	24657	1	1	1	597,8052	1193,596	2
6	29,7	40370	1	1	1	672,8669	1343,719	2
6	29,7	44997	1	1	1	694,3689	1386,723	2
6	29,7	72855	1	1	1	824,939	1647,863	2
6	29,7	33952	1	1	1	643,0113	1926,012	3
6	29,7	98611	1	1	1	964,0187	1926,023	2
6	29,7	98981	1	1	1	966,5286	2896,564	3
6	29,7	98982	1	1	1	966,529	2896,565	3
5	38,1	17451	1	1	1	559,7727	1117,531	2
5	38,1	57623	1	1	1	751,402	1500,79	2
5	38,1	69624	1	1	1	808,4199	1614,825	2
5	38,1	112844	1	1	1	1058,018	2114,021	2
5	38,1	112846	1	1	1	1058,018	2114,022	2
5	38,1	112848	1	1	1	1058,018	2114,022	2
5	38,1	112852	1	1	1	1058,02	2114,024	2
5	38,1	96244	1	1	1	949,1588	2844,455	3
8	28,1	39762	1	1	1	670,3532	1338,692	2
8	28,1	41343	1	1	1	676,8712	1351,728	2
8	28,1	41346	1	1	1	676,872	1351,729	2
8	28,1	41347	1	1	1	676,8738	1351,733	2
8	28,1	55294	1	1	1	740,9152	1479,816	2
8	28,1	55301	1	1	1	740,9172	1479,82	2
8	28,1	55305	1	1	1	740,9189	1479,823	2
8	28,1	62961	1	1	1	776,4275	1550,84	2

8	28,1	68821	1	1	1	804,9671	1607,92	2
8	28,1	122368	1	1	1	1141,138	2280,262	2
8	28,1	59730	1	1	1	761,095	2280,263	3
8	28,1	88797	1	1	1	907,8542	2720,541	3
7	37	13513	1	1	1	534,7819	1067,549	2
7	37	13518	1	1	1	534,7842	1067,554	2
7	37	13521	1	1	1	534,7852	1067,556	2
7	37	18924	1	1	1	566,8104	1131,606	2
7	37	24850	1	1	1	598,833	1195,651	2
7	37	33684	1	1	1	641,8381	1281,662	2
7	37	33687	1	1	1	641,8393	1281,664	2
7	37	36570	1	1	1	655,8528	1309,691	2
7	37	39060	1	1	1	666,3768	1330,739	2
7	37	39062	1	1	1	666,3773	1330,74	2
7	37	39063	1	1	1	666,3795	1330,744	2
7	37	50745	1	1	1	721,3738	1440,733	2
8	21,9	19470	1	1	1	570,8351	1139,656	2
8	21,9	19472	1	1	1	570,8366	1139,659	2
8	21,9	35880	1	1	1	652,2894	1302,564	2
8	21,9	48848	1	1	1	713,3446	1424,675	2
8	21,9	64361	1	1	1	783,4008	1564,787	2
8	21,9	64362	1	1	1	783,4021	1564,79	2
8	21,9	80871	1	1	1	866,3787	1730,743	2
8	21,9	90973	1	1	1	919,4577	1836,901	2
8	21,9	54110	1	1	1	735,3872	2203,14	3
8	21,9	54111	1	1	1	735,3878	2203,142	3
8	21,9	88086	1	1	1	904,4303	2710,269	3
4	17,4	19133	1	1	1	568,8056	1135,597	2
4	17,4	66402	1	1	1	793,4181	1584,822	2
4	17,4	74312	1	1	1	832,4171	1662,82	2
4	17,4	60222	1	1	1	763,72	2288,138	3
4	17,4	60223	1	1	1	763,7218	2288,144	3
4	17,4	60224	1	1	1	763,7221	2288,145	3
4	17,4	122862	1	1	1	1145,082	2288,149	2
4	16,9	33068	1	1	1	638,7999	1275,585	2
4	16,9	53945	1	1	1	734,9072	1467,8	2
4	16,9	88268	1	1	1	905,4274	1808,84	2
4	16,9	103010	1	1	1	992,477	1982,94	2
4	16,9	103011	1	1	1	992,478	1982,941	2
4	16,9	103013	1	1	1	992,4792	1982,944	2
4	14,6	25085	1	1	1	600,2842	1198,554	2
4	14,6	62979	1	1	1	776,8653	1551,716	2
4	14,6	62981	1	1	1	776,8682	1551,722	2
4	14,6	64634	1	1	1	784,862	1567,709	2
4	14,6	111047	1	1	1	1045,507	2089	2
4	14,6	111049	1	1	1	1045,51	2089,005	2
4	14,6	127382	1	1	1	1206,083	2410,151	2
4	14,6	127383	1	1	1	1206,083	2410,152	2

3	17,5	65669	1	1	1	789,9188	1577,823	2
3	17,5	65670	1	1	1	789,9195	1577,824	2
3	17,5	65671	1	1	1	789,9204	1577,826	2
3	17,5	65672	1	1	1	789,9211	1577,828	2
3	17,5	65673	1	1	1	789,9211	1577,828	2
3	17,5	99037	1	1	1	967,0303	1932,046	2
3	17,5	123602	1	1	1	1155,196	3462,565	3
3	17,5	123603	1	1	1	1155,201	3462,58	3
3	17,5	123604	1	1	1	1155,202	3462,585	3
2	32,5	90226	1	1	1	915,4428	2743,307	3
2	32,5	90229	1	1	1	915,4448	2743,313	3
2	32,5	90230	1	1	1	915,4452	2743,314	3
2	32,5	96003	1	1	1	947,7936	2840,359	3
2	32,5	96005	1	1	1	947,7948	2840,362	3
4	9	13668	1	1	1	535,7912	1069,568	2
4	9	22306	1	1	1	585,3266	1168,639	2
4	9	22308	1	1	1	585,3272	1168,64	2
4	9	22311	1	1	1	585,3281	1168,642	2
4	9	30946	1	1	1	628,3405	1882	3
4	9	30950	1	1	1	628,3412	1882,002	3
4	9	76779	1	1	1	845,0331	2532,077	3
6	40	51928	1	1	1	726,3802	1450,746	2
6	40	53611	1	1	1	733,3832	1464,752	2
6	40	31193	1	1	1	629,6799	1886,018	3
6	40	31194	1	1	1	629,6815	1886,023	3
6	40	31195	1	1	1	629,6831	1886,028	3
6	40	95521	1	1	1	944,9395	1887,865	2
6	40	119824	1	1	1	1114,05	2226,085	2
6	40	66754	1	1	1	795,0635	2382,169	3
6	40	66756	1	1	1	795,065	2382,173	3
6	40	66757	1	1	1	795,0655	2382,175	3
6	40	66758	1	1	1	795,0662	2382,177	3
8	52	24119	1	1	1	594,3017	1186,589	2
8	52	27125	1	1	1	610,8453	1219,676	2
8	52	27127	1	1	1	610,8462	1219,678	2
8	52	34036	1	1	1	643,3787	1284,743	2
8	52	39247	1	1	1	667,8049	1333,595	2
8	52	46078	1	1	1	700,3783	1398,742	2
8	52	46080	1	1	1	700,3811	1398,748	2
8	52	74072	1	1	1	830,9541	1659,894	2
8	52	96102	1	1	1	948,487	2842,439	3
8	52	126043	1	1	1	1186,979	3557,916	3
5	40,4	21932	1	1	1	583,3107	1164,607	2
5	40,4	21933	1	1	1	583,311	1164,607	2
5	40,4	28747	1	1	1	618,8011	1235,588	2
5	40,4	32632	1	1	1	636,385	1270,756	2
5	40,4	42675	1	1	1	683,3694	1364,724	2
5	40,4	42677	1	1	1	683,3695	1364,724	2

5	40,4	42678	1	1	1	683,371	1364,727	2
5	40,4	90813	1	1	1	918,4684	2752,383	3
5	40,4	90814	1	1	1	918,4691	2752,385	3
5	40,4	90815	1	1	1	918,4694	2752,386	3
5	40,4	90816	1	1	1	918,4694	2752,387	3
5	16,9	37310	1	1	1	659,3297	1316,645	2
5	16,9	54214	1	1	1	735,8971	1469,78	2
5	16,9	54218	1	1	1	735,8979	1469,781	2
5	16,9	70690	1	1	1	813,9456	1625,877	2
5	16,9	84967	1	1	1	888,4161	1774,818	2
5	16,9	84971	1	1	1	888,4191	1774,824	2
5	16,9	122609	1	1	1	1142,57	2283,126	2
5	16,9	59895	1	1	1	762,0507	2283,13	3
5	16,9	122618	1	1	1	1142,574	2283,134	2
7	66,3	16722	1	1	1	556,2548	1110,495	2
7	66,3	20793	1	1	1	577,7968	1153,579	2
7	66,3	20794	1	1	1	577,7971	1153,58	2
7	66,3	57490	1	1	1	750,8807	1499,747	2
7	66,3	82977	1	1	1	877,4618	1752,909	2
7	66,3	82982	1	1	1	877,4638	1752,913	2
7	66,3	82984	1	1	1	877,4643	1752,914	2
7	66,3	92748	1	1	1	928,4666	1854,919	2
7	66,3	104531	1	1	1	1001,996	2001,977	2
7	66,3	39941	1	1	1	671,3395	2010,997	3
7	66,3	39949	1	1	1	671,3419	2011,004	3
5	42,5	24941	1	1	1	599,3434	1196,672	2
5	42,5	24942	1	1	1	599,3442	1196,674	2
5	42,5	35860	1	1	1	651,8531	1301,692	2
5	42,5	97844	1	1	1	958,9785	1915,942	2
5	42,5	97846	1	1	1	958,9819	1915,949	2
5	42,5	97848	1	1	1	958,9829	1915,951	2
5	42,5	97849	1	1	1	958,9829	1915,951	2
5	42,5	98971	1	1	1	966,5058	1930,997	2
5	42,5	49228	1	1	1	714,7129	2141,117	3
5	14,9	25357	1	1	1	601,3441	1200,674	2
5	14,9	25360	1	1	1	601,3447	1200,675	2
5	14,9	25363	1	1	1	601,3466	1200,679	2
5	14,9	31003	1	1	1	628,8174	1255,62	2
5	14,9	41787	1	1	1	679,3412	1356,668	2
5	14,9	49277	1	1	1	714,9117	1427,809	2
5	14,9	49278	1	1	1	714,9135	1427,812	2
5	14,9	119160	1	1	1	1109,056	2216,097	2
7	12,7	14094	1	1	1	538,3183	1074,622	2
7	12,7	25574	1	1	1	602,3491	1202,684	2
7	12,7	31214	1	1	1	629,8245	1257,635	2
7	12,7	31219	1	1	1	629,8254	1257,636	2
7	12,7	31220	1	1	1	629,8256	1257,637	2
7	12,7	31227	1	1	1	629,8278	1257,641	2

7	12,7	41049	1	1	1	675,8827	1349,751	2
7	12,7	41050	1	1	1	675,8835	1349,752	2
7	12,7	41053	1	1	1	675,8851	1349,756	2
7	12,7	44976	1	1	1	694,347	1386,68	2
7	12,7	44979	1	1	1	694,3475	1386,681	2
7	12,7	44984	1	1	1	694,3482	1386,682	2
7	12,7	9869	1	1	1	512,2523	1533,735	3
7	12,7	23262	1	1	1	590,2895	1767,847	3
7	12,7	84488	1	1	1	884,9313	1767,848	2
4	23,1	67271	1	1	1	797,9132	1593,812	2
4	23,1	67273	1	1	1	797,9157	1593,817	2
4	23,1	68984	1	1	1	805,9084	1609,802	2
4	23,1	95338	1	1	1	943,9426	1885,871	2
4	23,1	95339	1	1	1	943,9427	1885,871	2
4	23,1	63230	1	1	1	778,0344	2331,081	3
4	23,1	100438	1	1	1	975,1242	2922,351	3
4	23,1	100440	1	1	1	975,1302	2922,369	3
3	14,2	75226	1	1	1	836,8897	1671,765	2
3	14,2	75227	1	1	1	836,8923	1671,77	2
3	14,2	81047	1	1	1	866,9488	1731,883	2
3	14,2	77044	1	1	1	846,4063	2536,197	3
3	14,2	77046	1	1	1	846,4078	2536,202	3
3	14,2	77049	1	1	1	846,4082	2536,203	3
4	23,8	15760	1	1	1	549,8391	1097,664	2
4	23,8	33936	1	1	1	642,888	1283,762	2
4	23,8	57843	1	1	1	752,4085	1502,803	2
4	23,8	57844	1	1	1	752,409	1502,803	2
4	23,8	57845	1	1	1	752,4093	1502,804	2
4	23,8	46848	1	1	1	703,6977	2108,071	3
4	23,8	46850	1	1	1	703,6992	2108,076	3
6	32,2	30694	1	1	1	626,8427	1251,671	2
6	32,2	53523	1	1	1	732,9233	1463,832	2
6	32,2	56972	1	1	1	748,3763	1494,738	2
6	32,2	56974	1	1	1	748,3779	1494,741	2
6	32,2	70078	1	1	1	810,9715	1619,928	2
6	32,2	77729	1	1	1	849,4857	1696,957	2
6	32,2	107747	1	1	1	1023,557	2045,099	2
6	32,2	107749	1	1	1	1023,561	2045,107	2
8	28,7	27959	1	1	1	614,813	1227,612	2
8	28,7	32131	1	1	1	634,3296	1266,645	2
8	28,7	82319	1	1	1	873,4559	1744,897	2
8	28,7	88026	1	1	1	903,9454	1805,876	2
8	28,7	88029	1	1	1	903,9474	1805,88	2
8	28,7	102497	1	1	1	989,0029	1975,991	2
8	28,7	120776	1	1	1	1124,042	2246,069	2
8	28,7	120777	1	1	1	1124,044	2246,073	2
8	28,7	67173	1	1	1	797,4036	2389,189	3
8	28,7	78575	1	1	1	854,1037	2559,289	3

4	19,6	20544	1	1	1	576,3402	1150,666	2
4	19,6	77963	1	1	1	850,9342	1699,854	2
4	19,6	77965	1	1	1	850,9371	1699,86	2
4	19,6	77966	1	1	1	850,9374	1699,86	2
4	19,6	82903	1	1	1	876,9447	1751,875	2
4	19,6	82904	1	1	1	876,9465	1751,878	2
4	19,6	82905	1	1	1	876,9477	1751,881	2
4	19,6	82906	1	1	1	876,9499	1751,885	2
4	19,6	106190	1	1	1	1013,99	2025,965	2
4	15,3	39167	1	1	1	667,3511	1332,688	2
4	15,3	51412	1	1	1	723,8958	1445,777	2
4	15,3	69240	1	1	1	806,8909	1611,767	2
4	15,3	69242	1	1	1	806,8918	1611,769	2
4	15,3	76741	1	1	1	844,4662	1686,918	2
4	15,3	76743	1	1	1	844,4677	1686,921	2
3	17,2	19152	1	1	1	568,8613	1135,708	2
3	17,2	19153	1	1	1	568,8625	1135,71	2
3	17,2	20635	1	1	1	576,8589	1151,703	2
3	17,2	61124	1	1	1	768,3392	1534,664	2
3	17,2	61126	1	1	1	768,3406	1534,667	2
3	17,2	62813	1	1	1	776,3357	1550,657	2
3	17,2	62814	1	1	1	776,3371	1550,66	2
3	17,2	62816	1	1	1	776,3401	1550,666	2
3	17,2	23975	1	1	1	593,6048	1777,793	3
3	17,2	85352	1	1	1	889,9094	1777,804	2
3	17,2	85353	1	1	1	889,9107	1777,807	2
7	22,8	19776	1	1	1	572,3056	1142,597	2
7	22,8	23572	1	1	1	591,7573	1181,5	2
7	22,8	33551	1	1	1	641,2931	1280,572	2
7	22,8	35867	1	1	1	651,8653	1301,716	2
7	22,8	35869	1	1	1	651,8719	1301,729	2
7	22,8	38683	1	1	1	665,3385	1328,663	2
7	22,8	38684	1	1	1	665,3396	1328,665	2
7	22,8	63198	1	1	1	777,9009	1553,787	2
7	22,8	63199	1	1	1	777,9012	1553,788	2
7	22,8	63204	1	1	1	777,9045	1553,794	2
7	22,8	79565	1	1	1	859,3997	1716,785	2
5	17,1	19674	1	1	1	571,7964	1141,578	2
5	17,1	19678	1	1	1	571,7985	1141,582	2
5	17,1	28871	1	1	1	619,2891	1236,564	2
5	17,1	52868	1	1	1	729,9059	1457,797	2
5	17,1	69009	1	1	1	805,9619	1609,909	2
5	17,1	49851	1	1	1	717,3455	2149,015	3
5	17,1	49852	1	1	1	717,3458	2149,016	3
5	17,1	49854	1	1	1	717,3479	2149,022	3
4	19,4	75399	1	1	1	837,8939	1673,773	2
4	19,4	75401	1	1	1	837,8951	1673,776	2
4	19,4	71792	1	1	1	820,0802	2457,219	3

4	19,4	129024	1	1	1	1229,617	2457,219	2
4	19,4	71793	1	1	1	820,0816	2457,223	3
4	19,4	110695	1	1	1	1043,203	3126,587	3
4	19,4	118800	1	1	1	1104,578	3310,711	3
7	31,6	35295	1	1	1	649,3518	1296,689	2
7	31,6	43925	1	1	1	688,8988	1375,783	2
7	31,6	57413	1	1	1	750,3997	1498,785	2
7	31,6	57416	1	1	1	750,401	1498,787	2
7	31,6	69100	1	1	1	806,3861	1610,758	2
7	31,6	83891	1	1	1	881,9762	1761,938	2
7	31,6	83892	1	1	1	881,9772	1761,94	2
7	31,6	94491	1	1	1	938,5274	1875,04	2
7	31,6	73102	1	1	1	826,4449	2476,313	3
5	28,9	60641	1	1	1	765,8798	1529,745	2
5	28,9	60646	1	1	1	765,8834	1529,752	2
5	28,9	61965	1	1	1	772,3501	1542,686	2
5	28,9	61967	1	1	1	772,3504	1542,686	2
5	28,9	61968	1	1	1	772,3515	1542,688	2
5	28,9	73809	1	1	1	829,9269	1657,839	2
5	28,9	73811	1	1	1	829,9278	1657,841	2
5	28,9	114832	1	1	1	1073,027	2144,039	2
5	28,9	130441	1	1	1	1260,634	2519,253	2
4	12,3	76147	1	1	1	841,4348	1680,855	2
4	12,3	76149	1	1	1	841,4364	1680,858	2
4	12,3	96850	1	1	1	952,9576	1903,901	2
4	12,3	96852	1	1	1	952,9617	1903,909	2
4	12,3	98852	1	1	1	965,5192	1929,024	2
4	12,3	103084	1	1	1	992,5202	1983,026	2
7	18,8	16012	1	1	1	551,295	1100,575	2
7	18,8	16013	1	1	1	551,2952	1100,576	2
7	18,8	26554	1	1	1	607,8179	1213,621	2
7	18,8	71757	1	1	1	819,9175	1637,821	2
7	18,8	73330	1	1	1	827,9135	1653,812	2
7	18,8	42695	1	1	1	683,674	2048	3
7	18,8	50839	1	1	1	722,0201	2163,038	3
7	18,8	57520	1	1	1	751,028	2250,062	3
7	18,8	69931	1	1	1	810,3823	2428,125	3
1	5	67002	1	1	1	796,4217	1590,829	2
1	5	67003	1	1	1	796,4219	1590,829	2
1	5	67004	1	1	1	796,4219	1590,829	2
1	5	67006	1	1	1	796,4227	1590,831	2
1	5	67009	1	1	1	796,4252	1590,836	2
3	27,5	46465	1	1	1	702,3034	1402,592	2
3	27,5	66378	1	1	1	793,4044	1584,794	2
3	27,5	66379	1	1	1	793,4057	1584,797	2
3	27,5	66382	1	1	1	793,407	1584,8	2
3	27,5	66383	1	1	1	793,4071	1584,8	2
3	27,5	66386	1	1	1	793,4081	1584,802	2



3	27,5	61720	1	1	1	770,7349	2309,183	3
5	28,5	2015	1	1	1	435,2589	868,5031	2
5	28,5	70501	1	1	1	812,9506	1623,887	2
5	28,5	82913	1	1	1	876,9921	1751,97	2
5	28,5	82914	1	1	1	876,9935	1751,973	2
5	28,5	120056	1	1	1	1116,128	2230,242	2
5	28,5	56102	1	1	1	744,4222	2230,245	3
5	28,5	122646	1	1	1	1142,643	2283,271	2
1	12,2	54143	1	1	1	735,6993	2204,076	3
1	12,2	54144	1	1	1	735,7001	2204,079	3
1	12,2	54145	1	1	1	735,701	2204,081	3
1	12,2	54146	1	1	1	735,7023	2204,085	3
4	18,2	5063	1	1	1	475,7404	949,4663	2
4	18,2	44034	1	1	1	689,8342	1377,654	2
4	18,2	45620	1	1	1	697,8511	1393,688	2
4	18,2	50320	1	1	1	719,7387	2156,194	3
4	18,2	115651	1	1	1	1079,111	2156,207	2
4	18,2	115652	1	1	1	1079,114	2156,213	2
2	5,8	97189	1	1	1	954,9331	1907,852	2
2	5,8	97190	1	1	1	954,9338	1907,853	2
2	5,8	97191	1	1	1	954,9353	1907,856	2
2	5,8	97192	1	1	1	954,9364	1907,858	2
2	5,8	100935	1	1	1	978,5703	1955,126	2
3	17,5	84070	1	1	1	882,9952	1763,976	2
3	17,5	36169	1	1	1	654,0443	1959,111	3
3	17,5	36170	1	1	1	654,0444	1959,111	3
3	17,5	36171	1	1	1	654,0448	1959,113	3
3	17,5	36172	1	1	1	654,0448	1959,113	3
3	17,5	114538	1	1	1	1071,078	2140,141	2
3	17,5	114539	1	1	1	1071,08	2140,144	2
6	4	7114	1	1	1	492,7133	983,412	2
6	4	12610	1	1	1	528,8057	1055,597	2
6	4	40784	1	1	1	674,382	1346,749	2
6	4	40785	1	1	1	674,3828	1346,751	2
6	4	16468	1	1	1	554,2974	1659,87	3
6	4	74068	1	1	1	830,9444	1659,874	2
6	4	74069	1	1	1	830,9466	1659,879	2
6	4	74070	1	1	1	830,9473	1659,88	2
6	4	18757	1	1	1	565,9947	1694,962	3
6	4	124363	1	1	1	1165,587	2329,159	2
4	15	42209	1	1	1	681,3539	1360,693	2
4	15	77743	1	1	1	849,9053	1697,796	2
4	15	77744	1	1	1	849,9058	1697,797	2
4	15	97605	1	1	1	957,4679	1912,921	2
4	15	56065	1	1	1	744,3847	2230,132	3
3	8	45920	1	1	1	699,8424	1397,67	2
3	8	45921	1	1	1	699,8462	1397,678	2
3	8	45922	1	1	1	699,8473	1397,68	2

3	8	48885	1	1	1	713,385	1424,756	2
3	8	48888	1	1	1	713,3878	1424,761	2
3	8	74226	1	1	1	831,899	1661,784	2
4	13,5	35303	1	1	1	649,3616	1296,709	2
4	13,5	45144	1	1	1	695,3571	1388,7	2
4	13,5	45145	1	1	1	695,3575	1388,7	2
4	13,5	48575	1	1	1	711,8326	1421,651	2
4	13,5	41066	1	1	1	675,9934	2024,959	3
4	13,5	41067	1	1	1	675,9936	2024,959	3
2	13	41327	1	1	1	676,8453	1351,676	2
2	13	41329	1	1	1	676,8459	1351,677	2
2	13	41330	1	1	1	676,8483	1351,682	2
2	13	62949	1	1	1	776,4116	1550,809	2
2	13	62951	1	1	1	776,413	1550,812	2
9	34,4	8288	1	1	1	501,7792	1001,544	2
9	34,4	17016	1	1	1	557,3192	1112,624	2
9	34,4	26570	1	1	1	607,8567	1213,699	2
9	34,4	35309	1	1	1	649,3758	1296,737	2
9	34,4	35311	1	1	1	649,3766	1296,739	2
9	34,4	35313	1	1	1	649,3772	1296,74	2
9	34,4	35552	1	1	1	650,3578	1298,701	2
9	34,4	38509	1	1	1	664,3955	1326,776	2
9	34,4	38515	1	1	1	664,399	1326,783	2
9	34,4	38518	1	1	1	664,3999	1326,785	2
9	34,4	47771	1	1	1	707,3821	1412,75	2
9	34,4	45285	1	1	1	696,0209	2085,041	3
9	34,4	81603	1	1	1	869,5032	2605,488	3
4	33	25174	1	1	1	600,7771	1199,54	2
4	33	25175	1	1	1	600,7773	1199,54	2
4	33	25789	1	1	0	603,8453	1205,676	2
4	33	26705	1	1	0	608,8116	1215,609	2
4	33	26707	1	1	0	608,8123	1215,61	2
4	33	53486	1	1	1	732,8328	1463,651	2
4	33	53487	1	1	1	732,8333	1463,652	2
4	33	53488	1	1	1	732,8334	1463,652	2
4	45	19647	1	0	1	571,7722	1141,53	2
4	45	19650	1	0	1	571,7758	1141,537	2
4	45	25789	1	0	0	603,8453	1205,676	2
4	45	26705	1	0	0	608,8116	1215,609	2
4	45	26707	1	0	0	608,8123	1215,61	2
4	45	91794	1	0	1	922,9675	1843,92	2
3	15,4	45724	1	1	1	698,3625	1394,711	2
3	15,4	65730	1	1	1	790,4227	1578,831	2
3	15,4	56556	1	1	1	746,6884	2237,043	3
3	15,4	56558	1	1	1	746,6913	2237,052	3
3	15,4	56559	1	1	1	746,6914	2237,052	3
1	6,4	70925	1	1	1	815,3965	1628,778	2
1	6,4	70928	1	1	1	815,3971	1628,78	2

1	6,4	70930	1	1	1	815,3973	1628,78	2
1	6,4	70932	1	1	1	815,3975	1628,781	2
1	6,4	70933	1	1	1	815,3982	1628,782	2
1	6,4	70941	1	1	1	815,3997	1628,785	2
2	14,8	20850	1	1	1	578,0035	1730,989	3
2	14,8	20851	1	1	1	578,0047	1730,992	3
2	14,8	20852	1	1	1	578,0056	1730,995	3
2	14,8	81015	1	1	1	866,5057	1730,997	2
2	14,8	42080	1	1	1	680,6758	2039,006	3
1	6	82028	1	1	1	872,094	2613,26	3
1	6	82029	1	1	1	872,0985	2613,274	3
3	10,4	6676	1	1	1	488,2492	1461,726	3
3	10,4	53262	1	1	1	731,8738	1461,733	2
3	10,4	30534	1	1	1	626,3189	1875,935	3
3	10,4	94534	1	1	1	938,9807	1875,947	2
3	10,4	49550	1	1	1	716,0482	2145,123	3
3	10,4	49552	1	1	1	716,0487	2145,124	3
3	14,2	44912	1	1	1	693,8804	1385,746	2
3	14,2	44913	1	1	1	693,8808	1385,747	2
3	14,2	10606	1	1	1	516,9415	1547,803	3
3	14,2	62553	1	1	1	774,9164	1547,818	2
3	14,2	96670	1	1	1	951,9555	1901,897	2
3	14,2	96672	1	1	1	951,9568	1901,899	2
3	14,2	96673	1	1	1	951,9581	1901,902	2
7	17,4	19473	1	1	1	570,8498	1139,685	2
7	17,4	19952	1	1	1	573,3515	1144,689	2
7	17,4	26532	1	1	1	607,8009	1213,587	2
7	17,4	26533	1	1	1	607,8021	1213,59	2
7	17,4	36880	1	1	1	657,3386	1312,663	2
7	17,4	55650	1	1	1	742,387	1482,759	2
7	17,4	65047	1	1	1	786,4205	1570,827	2
7	17,4	77375	1	1	1	847,9409	1693,867	2
4	11,5	10271	1	1	1	514,8	1027,585	2
4	11,5	25035	1	1	1	599,8521	1197,69	2
4	11,5	25037	1	1	1	599,8535	1197,692	2
4	11,5	25039	1	1	1	599,8542	1197,694	2
4	11,5	25040	1	1	1	599,8545	1197,694	2
4	11,5	25041	1	1	1	599,8545	1197,694	2
4	11,5	86413	1	1	1	895,9496	1789,885	2
4	11,5	86414	1	1	1	895,9497	1789,885	2
4	11,5	35324	1	1	1	649,6313	1945,872	3
4	11,5	35325	1	1	1	649,6325	1945,876	3
4	11,5	101446	1	1	1	981,9504	1961,886	2
5	19	23858	1	1	1	592,8304	1183,646	2
5	19	26353	1	1	1	606,8401	1211,666	2
5	19	50820	1	1	1	721,881	1441,748	2
5	19	91797	1	1	1	922,9803	1843,946	2
5	19	91798	1	1	1	922,9833	1843,952	2

5	19	91800	1	1	1	922,9859	1843,957	2
5	19	58785	1	1	1	756,7329	2267,177	3
4	65,2	25200	1	1	1	600,8206	1199,627	2
4	65,2	40056	1	1	1	671,8199	1341,625	2
4	65,2	40058	1	1	1	671,8223	1341,63	2
4	65,2	41857	1	1	1	679,8172	1357,62	2
4	65,2	91289	1	1	1	920,5005	1838,986	2
4	65,2	77973	1	1	1	851,0805	2550,22	3
3	21,3	6433	1	1	1	486,7505	971,4863	2
3	21,3	9769	1	1	1	511,2976	1530,871	3
3	21,3	23663	1	1	1	591,9886	1772,944	3
3	21,3	84911	1	1	1	887,4884	1772,962	2
3	21,3	84912	1	1	1	887,4893	1772,964	2
3	21,3	84913	1	1	1	887,4896	1772,965	2
8	18,1	15749	1	1	1	549,8131	1097,612	2
8	18,1	21432	1	1	1	580,7894	1159,564	2
8	18,1	22967	1	1	1	589,278	1176,541	2
8	18,1	24366	1	1	1	595,8083	1189,602	2
8	18,1	31832	1	1	1	632,807	1263,6	2
8	18,1	41852	1	1	1	679,7609	1357,507	2
8	18,1	46305	1	1	1	701,3783	1400,742	2
8	18,1	51220	1	1	1	723,3378	2166,992	3
5	36	29668	1	1	1	622,8572	1243,7	2
5	36	45703	1	1	1	698,3499	1394,685	2
5	36	45706	1	1	1	698,3514	1394,688	2
5	36	53766	1	1	1	734,3647	1466,715	2
5	36	55144	1	1	1	739,9032	1477,792	2
5	36	55145	1	1	1	739,9063	1477,798	2
5	36	55146	1	1	1	739,9084	1477,802	2
5	36	65774	1	1	1	790,9048	1579,795	2
3	27,7	15751	1	1	1	549,8163	1097,618	2
3	27,7	15752	1	1	1	549,8166	1097,619	2
3	27,7	52240	1	1	1	727,7227	2180,146	3
3	27,7	84216	1	1	1	883,7896	2648,347	3
3	27,7	84218	1	1	1	883,7901	2648,348	3
5	32,4	11299	1	1	1	520,7628	1039,511	2
5	32,4	42851	1	1	1	683,8637	1365,713	2
5	32,4	55281	1	1	1	740,8463	1479,678	2
5	32,4	55282	1	1	1	740,8465	1479,679	2
5	32,4	64578	1	1	1	784,4131	1566,812	2
5	32,4	49121	1	1	1	714,3524	2140,035	3
5	32,4	49124	1	1	1	714,3553	2140,044	3
4	18	31201	1	1	1	629,8096	1257,605	2
4	18	49421	1	1	1	715,4099	1428,805	2
4	18	79152	1	1	1	856,9235	1711,833	2
4	18	97670	1	1	1	957,9519	1913,889	2
4	18	97671	1	1	1	957,9519	1913,889	2
4	18	97674	1	1	1	957,9536	1913,893	2

4	18	33090	1	1	1	638,9722	1913,895	3
4	31,1	16123	1	1	1	551,8066	1101,599	2
4	31,1	36905	1	1	1	657,3896	1312,765	2
4	31,1	57334	1	1	1	749,9332	1497,852	2
4	31,1	113571	1	1	1	1064,026	2126,037	2
4	31,1	48208	1	1	1	709,6887	2126,044	3
4	31,1	48209	1	1	1	709,6891	2126,046	3
5	32,7	21559	1	1	1	581,7982	1161,582	2
5	32,7	21560	1	1	1	581,8006	1161,587	2
5	32,7	40828	1	1	1	674,8329	1347,651	2
5	32,7	30720	1	1	1	626,9921	1877,955	3
5	32,7	86768	1	1	1	897,7613	2690,262	3
5	32,7	105213	1	1	1	1007,48	3019,418	3
4	10,3	11417	1	1	1	521,793	1041,571	2
4	10,3	25718	1	1	1	603,3249	1204,635	2
4	10,3	43978	1	1	1	689,3681	1376,722	2
4	10,3	43982	1	1	1	689,3698	1376,725	2
4	10,3	89892	1	1	1	913,5033	1824,992	2
2	23,7	75825	1	1	1	839,4682	1676,922	2
2	23,7	82690	1	1	1	875,4504	1748,886	2
2	23,7	82691	1	1	1	875,4527	1748,891	2
2	23,7	82693	1	1	1	875,4535	1748,892	2
7	18,7	26123	1	1	1	605,8293	1209,644	2
7	18,7	38207	1	1	1	663,3607	1324,707	2
7	18,7	48751	1	1	1	712,8542	1423,694	2
7	18,7	50359	1	1	1	719,9013	1437,788	2
7	18,7	63013	1	1	1	776,9209	1551,827	2
7	18,7	17756	1	1	1	560,9779	1679,912	3
7	18,7	38652	1	1	1	665,3228	1992,947	3
7	18,7	103835	1	1	1	997,4897	1992,965	2
6	46,5	20967	1	1	1	578,805	1155,596	2
6	46,5	22535	1	1	1	586,8056	1171,597	2
6	46,5	27078	1	1	1	610,7838	1219,553	2
6	46,5	46158	1	1	1	700,8405	1399,666	2
6	46,5	46159	1	1	1	700,8429	1399,671	2
6	46,5	75389	1	1	1	837,4809	1672,947	2
6	46,5	104773	1	1	1	1003,997	2005,98	2
6	46,5	65086	1	1	1	786,7236	2357,149	3
1	8	39798	1	1	1	670,6678	2008,982	3
1	8	39799	1	1	1	670,6692	2008,986	3
1	8	39800	1	1	1	670,6695	2008,987	3
1	8	39801	1	1	1	670,67	2008,988	3
1	8	39802	1	1	1	670,6701	2008,989	3
7	35,8	16210	1	1	1	552,3239	1102,633	2
7	35,8	18319	1	1	1	564,2552	1126,496	2
7	35,8	18975	1	1	1	567,3078	1132,601	2
7	35,8	18978	1	1	1	567,3092	1132,604	2
7	35,8	26340	1	1	1	606,8125	1211,61	2

7	35,8	29229	1	1	1	620,7984	1239,582	2
7	35,8	39855	1	1	1	670,8596	1339,705	2
7	35,8	91304	1	1	1	920,7997	2759,377	3
3	9,8	49985	1	1	1	717,8815	1433,749	2
3	9,8	58166	1	1	1	754,3652	1506,716	2
3	9,8	59935	1	1	1	762,3645	1522,715	2
3	9,8	48479	1	1	1	711,0808	2130,221	3
5	17,6	48688	1	1	1	712,3613	1422,708	2
5	17,6	48693	1	1	1	712,3643	1422,714	2
5	17,6	53649	1	1	1	733,7109	2198,111	3
5	17,6	54142	1	1	1	735,6984	2204,073	3
5	17,6	119964	1	1	1	1115,548	2229,082	2
5	17,6	119975	1	1	1	1115,552	2229,089	2
5	17,6	71179	1	1	1	816,4177	2446,231	3
5	12,3	44877	1	1	1	693,8369	1385,659	2
5	12,3	44879	1	1	1	693,8387	1385,663	2
5	12,3	59435	1	1	1	759,4295	1516,845	2
5	12,3	14238	1	1	1	539,6074	1615,8	3
5	12,3	20067	1	1	1	573,9855	1718,935	3
5	12,3	20069	1	1	1	573,9868	1718,939	3
5	12,3	79815	1	1	1	860,4772	1718,94	2
5	12,3	79816	1	1	1	860,4775	1718,94	2
5	12,3	51164	1	1	1	723,0659	2166,176	3
5	18,8	49015	1	1	1	713,884	1425,754	2
5	18,8	52052	1	1	1	727,339	1452,664	2
5	18,8	107623	1	1	1	1023,075	2044,135	2
5	18,8	79214	1	1	1	857,4077	2569,201	3
5	18,8	79234	1	1	1	857,4123	2569,215	3
5	18,8	112418	1	1	1	1055,51	3163,508	3
5	18,8	112440	1	1	1	1055,514	3163,521	3
3	4,3	26629	1	1	1	608,2863	1214,558	2
3	4,3	47911	1	1	1	708,3414	1414,668	2
3	4,3	47917	1	1	1	708,3442	1414,674	2
3	4,3	47926	1	1	1	708,347	1414,68	2
3	4,3	58761	1	1	1	756,4195	1510,824	2
1	2,3	58761	1	0	1	756,4195	1510,824	2
3	9,8	44640	1	1	1	692,3481	1382,682	2
3	9,8	84084	1	1	1	883,3641	1764,714	2
3	9,8	84086	1	1	1	883,3645	1764,715	2
3	9,8	66765	1	1	1	795,3177	2382,931	3
3	9,8	66767	1	1	1	795,3203	2382,939	3
1	2	44640	1	0	1	692,3481	1382,682	2
2	13,6	22675	1	1	1	587,636	1759,886	3
2	13,6	83684	1	1	1	880,9557	1759,897	2
2	13,6	51735	1	1	1	725,3695	2173,087	3
2	13,6	51739	1	1	1	725,3728	2173,097	3
4	26,6	36682	1	1	1	656,396	1310,777	2
4	26,6	66659	1	1	1	794,4517	1586,889	2

4	26,6	66661	1	1	1	794,453	1586,892	2
4	26,6	73145	1	1	1	826,9207	1651,827	2
4	26,6	70254	1	1	1	811,75	2432,228	3
2	7,7	73815	1	1	1	829,9303	1657,846	2
2	7,7	89019	1	1	1	908,9593	1815,904	2
2	7,7	89021	1	1	1	908,961	1815,907	2
4	12,5	26102	1	1	1	605,7993	1209,584	2
4	12,5	43775	1	1	1	688,3109	1374,607	2
4	12,5	59571	1	1	1	760,3361	1518,658	2
4	12,5	59572	1	1	1	760,3382	1518,662	2
4	12,5	60226	1	1	1	763,7396	2288,197	3
4	16,4	20030	1	1	1	573,8245	1145,634	2
4	16,4	35530	1	1	1	650,3388	1298,663	2
4	16,4	35532	1	1	1	650,3398	1298,665	2
4	16,4	44446	1	1	1	691,3627	2071,066	3
4	16,4	44449	1	1	1	691,3643	2071,071	3
4	16,4	44450	1	1	1	691,3646	2071,072	3
4	16,4	86376	1	1	1	895,7934	2684,358	3
5	34,8	12106	1	1	1	525,3226	1048,631	2
5	34,8	26479	1	1	1	607,3352	1212,656	2
5	34,8	39658	1	1	1	669,8257	1337,637	2
5	34,8	40825	1	1	1	674,8315	1347,649	2
5	34,8	40827	1	1	1	674,8325	1347,651	2
5	34,8	63561	1	1	1	779,3997	2335,177	3
4	14,4	29260	1	1	1	620,8479	1239,681	2
4	14,4	37067	1	1	1	658,3305	1314,646	2
4	14,4	37070	1	1	1	658,3309	1314,647	2
4	14,4	77061	1	1	1	846,4253	1690,836	2
4	14,4	99961	1	1	1	972,5158	1943,017	2
3	13,6	34027	1	1	1	643,355	1284,695	2
3	13,6	87832	1	1	1	902,9741	1803,934	2
3	13,6	87833	1	1	1	902,9761	1803,938	2
3	13,6	110378	1	1	1	1040,556	2079,098	2
4	24,6	11272	1	1	1	520,2881	1038,562	2
4	24,6	53496	1	1	1	732,8492	1463,684	2
4	24,6	67063	1	1	1	796,9117	1591,809	2
4	24,6	56182	1	1	1	745,059	2232,155	3
4	24,6	56184	1	1	1	745,0622	2232,165	3
6	31,3	30523	1	1	1	626,3121	1250,61	2
6	31,3	35788	1	1	1	651,3545	1300,694	2
6	31,3	51819	1	1	1	725,8441	1449,674	2
6	31,3	64932	1	1	1	786,3917	1570,769	2
6	31,3	85371	1	1	1	889,9518	1777,889	2
6	31,3	63231	1	1	1	778,0386	2331,094	3
2	23	23629	1	1	1	591,8246	1181,635	2
2	23	23631	1	1	1	591,8251	1181,636	2
2	23	23632	1	1	1	591,8254	1181,636	2
2	23	23633	1	1	1	591,8254	1181,636	2

2	23	23635	1	1	1	591,8258	1181,637	2
2	23	57140	1	1	1	748,9034	1495,792	2
6	19,4	40070	1	1	1	671,8656	1341,717	2
6	19,4	40476	1	1	1	673,387	1344,76	2
6	19,4	54370	1	1	1	736,9364	1471,858	2
6	19,4	59825	1	1	1	761,4107	1520,807	2
6	19,4	94914	1	1	1	941,0249	1880,035	2
6	19,4	111375	1	1	1	1047,101	2092,187	2
4	9	12770	1	1	1	529,7844	1057,554	2
4	9	26919	1	1	1	609,7927	1217,571	2
4	9	71066	1	1	1	815,9321	1629,85	2
4	9	74220	1	1	1	831,8929	1661,771	2
4	9	74222	1	1	1	831,8948	1661,775	2
4	9	74223	1	1	1	831,8954	1661,776	2
1	10,3	83705	1	1	1	881,3882	1760,762	2
1	10,3	83706	1	1	1	881,3885	1760,762	2
1	10,3	83707	1	1	1	881,3892	1760,764	2
1	10,3	83708	1	1	1	881,3892	1760,764	2
3	9,7	34411	1	1	1	644,8415	1287,668	2
3	9,7	60999	1	1	1	767,477	1532,94	2
3	9,7	89141	1	1	1	909,4765	1816,939	2
3	9,7	26309	1	1	1	606,6552	1816,944	3
3	9,7	26310	1	1	1	606,6565	1816,948	3
3	9,7	89147	1	1	1	909,4835	1816,953	2
2	8,1	36298	1	1	1	654,8263	1307,638	2
2	8,1	36299	1	1	1	654,8267	1307,639	2
2	8,1	86382	1	1	1	895,9123	1789,81	2
2	8,1	86385	1	1	1	895,9156	1789,817	2
2	8,1	86387	1	1	1	895,919	1789,823	2
2	3,3	42844	1	1	1	683,8548	1365,695	2
2	3,3	64668	1	1	1	784,901	1567,787	2
2	3,3	64669	1	1	1	784,9021	1567,79	2
2	3,3	64671	1	1	1	784,9053	1567,796	2
4	10,5	26630	1	1	1	608,2925	1214,57	2
4	10,5	23030	1	1	1	589,3139	1764,92	3
4	10,5	23032	1	1	1	589,3141	1764,92	3
4	10,5	52332	1	1	1	728,063	2181,167	3
4	10,5	65590	1	1	1	789,4406	2365,3	3
6	27,4	30237	1	1	1	624,8305	1247,646	2
6	27,4	44385	1	1	1	691,3211	1380,628	2
6	27,4	49962	1	1	1	717,844	1433,674	2
6	27,4	52545	1	1	1	729,3127	1456,611	2
6	27,4	72875	1	1	1	825,3587	1648,703	2
6	27,4	124730	1	1	1	1169,546	2337,078	2
4	24	6143	1	1	1	484,8288	967,6431	2
4	24	35924	1	1	1	652,3494	1302,684	2
4	24	35925	1	1	1	652,3503	1302,686	2
4	24	35926	1	1	1	652,3508	1302,687	2



4	24	35927	1	1	1	652,3532	1302,692	2
4	24	35928	1	1	1	652,3534	1302,692	2
4	24	91784	1	1	1	922,9358	1843,857	2
4	24	38736	1	1	1	665,6579	1993,952	3
4	63,4	15992	1	1	1	551,2684	1100,522	2
4	63,4	71295	1	1	1	817,3891	1632,764	2
4	63,4	71297	1	1	1	817,3908	1632,767	2
4	63,4	71299	1	1	1	817,3914	1632,768	2
4	63,4	82451	1	1	1	874,4066	1746,799	2
4	63,4	28707	1	1	1	618,6217	1852,843	3
3	45,8	15853	1	1	1	550,3275	1098,64	2
3	45,8	34561	1	1	1	645,8186	1289,623	2
3	45,8	34563	1	1	1	645,8196	1289,625	2
3	45,8	63757	1	1	1	780,3909	1558,767	2
3	45,8	65379	1	1	1	788,3889	1574,763	2
2	4,4	93108	1	1	1	930,4681	1858,922	2
2	4,4	93112	1	1	1	930,4704	1858,926	2
2	4,4	93113	1	1	1	930,4707	1858,927	2
2	4,4	80003	1	1	1	861,7457	2582,215	3
3	6	62537	1	1	1	774,8948	1547,775	2
3	6	62538	1	1	1	774,8958	1547,777	2
3	6	65573	1	1	1	789,4096	1576,805	2
3	6	75638	1	1	1	838,9412	1675,868	2
3	11,5	52746	1	1	1	729,841	1457,668	2
3	11,5	52749	1	1	1	729,844	1457,673	2
3	11,5	32883	1	1	1	637,6718	1909,994	3
3	11,5	97351	1	1	1	956,008	1910,002	2
3	11,5	45136	1	1	1	695,3489	2083,025	3
5	5,1	32552	1	1	1	635,8706	1269,727	2
5	5,1	61911	1	1	1	771,9016	1541,789	2
5	5,1	28244	1	1	1	616,3281	1845,962	3
5	5,1	48410	1	1	1	710,6646	2128,972	3
5	5,1	60039	1	1	1	762,696	2285,066	3
3	18,8	73928	1	1	1	830,4232	1658,832	2
3	18,8	73932	1	1	1	830,4242	1658,834	2
3	18,8	24423	1	1	1	596,307	1785,899	3
3	18,8	99898	1	1	1	972,162	2913,464	3
3	13,6	26481	1	1	1	607,3392	1212,664	2
3	13,6	26482	1	1	1	607,34	1212,665	2
3	13,6	43007	1	1	1	684,6556	2050,945	3
3	13,6	43008	1	1	1	684,6569	2050,949	3
3	13,6	61804	1	1	1	771,3753	2311,104	3
2	12	41906	1	1	1	679,8488	1357,683	2
2	12	41907	1	1	1	679,8516	1357,689	2
2	12	41909	1	1	1	679,8522	1357,69	2
2	12	13798	1	1	1	536,6356	1606,885	3
3	23,9	86660	1	1	1	897,4171	1792,82	2
3	23,9	30711	1	1	1	626,9523	1877,835	3

3	23,9	96000	1	1	1	947,7879	2840,342	3
5	19,8	32952	1	1	1	637,8615	1273,709	2
5	19,8	55998	1	1	1	743,9386	1485,863	2
5	19,8	56625	1	1	1	746,9349	1491,855	2
5	19,8	15851	1	1	1	550,3236	1647,949	3
5	19,8	49999	1	1	1	717,9861	2150,937	3
5	19,8	50000	1	1	1	717,9868	2150,939	3
3	30,8	27197	1	1	1	611,6258	1831,856	3
3	30,8	90444	1	1	1	916,9417	1831,869	2
3	30,8	91657	1	1	1	922,3768	1842,739	2
3	30,8	46729	1	1	1	703,3375	2106,991	3
5	25,2	28112	1	1	1	615,8121	1229,61	2
5	25,2	57427	1	1	1	750,4072	1498,8	2
5	25,2	68107	1	1	1	801,3729	1600,731	2
5	25,2	39109	1	1	1	667,0234	1998,048	3
5	25,2	69349	1	1	1	807,3901	2419,149	3
1	7,8	67046	1	1	1	796,8721	1591,73	2
1	7,8	67047	1	1	1	796,8745	1591,735	2
3	23,7	28319	1	1	1	616,8233	1231,632	2
3	23,7	65215	1	1	1	787,4038	1572,793	2
3	23,7	65216	1	1	1	787,4041	1572,794	2
3	23,7	62318	1	1	1	773,7391	2318,195	3
5	12,6	78413	1	1	1	852,9117	1703,809	2
5	12,6	20674	1	1	1	577,2692	1728,786	3
5	12,6	84621	1	1	1	885,8893	1769,764	2
5	12,6	29114	1	1	1	619,9686	1856,884	3
5	12,6	123391	1	1	1	1152,042	2302,069	2
1	5,4	66500	1	1	1	794,0585	2379,154	3
1	5,4	66501	1	1	1	794,0604	2379,159	3
3	13,5	4705	1	1	1	472,2224	942,4303	2
3	13,5	4706	1	1	1	472,2225	942,4305	2
3	13,5	35550	1	1	1	650,3573	1298,7	2
3	13,5	32209	1	1	1	634,6565	1900,948	3
3	13,5	32210	1	1	1	634,6572	1900,95	3
2	9	78013	1	1	1	851,4266	1700,839	2
2	9	78018	1	1	1	851,4318	1700,849	2
2	9	45907	1	1	1	699,675	2096,003	3
3	23	57628	1	1	1	751,4041	1500,794	2
3	23	116007	1	1	1	1082,568	2163,122	2
3	23	78953	1	1	1	855,7668	2564,279	3
3	42	28267	1	1	1	616,352	1230,69	2
3	42	28268	1	1	1	616,3525	1230,691	2
3	42	28269	1	1	1	616,3527	1230,691	2
3	42	24333	1	1	1	595,689	1784,045	3
3	42	24334	1	1	1	595,689	1784,045	3
3	42	49553	1	1	1	716,0636	2145,169	3
4	14,9	40928	1	1	1	675,3454	1348,676	2
4	14,9	59111	1	1	1	758,365	1514,716	2

4	14,9	59871	1	1	1	761,9314	1521,848	2
4	14,9	64431	1	1	1	783,9417	1565,869	2
4	14,9	64432	1	1	1	783,9432	1565,872	2
2	13,1	89385	1	1	1	910,5455	1819,076	2
2	13,1	101810	1	1	1	984,4967	2950,468	3
3	15	43491	1	1	1	686,873	1371,731	2
3	15	86830	1	1	1	897,9341	1793,854	2
3	15	41456	1	1	1	677,6862	2030,037	3
2	2,4	85267	1	1	1	889,4572	1776,9	2
2	2,4	85268	1	1	1	889,4585	1776,903	2
2	2,4	106984	1	1	1	1018,112	3051,314	3
4	23,1	35613	1	1	1	650,8344	1299,654	2
4	23,1	51821	1	1	1	725,8473	1449,68	2
4	23,1	65654	1	1	1	789,8939	1577,773	2
4	23,1	65657	1	1	1	789,8965	1577,778	2
4	23,1	65662	1	1	1	789,8992	1577,784	2
4	23,1	20980	1	1	1	578,9632	1733,868	3
4	12,1	18918	1	1	1	566,7996	1131,585	2
4	12,1	29885	1	1	1	623,3413	1244,668	2
4	12,1	38018	1	1	1	662,816	1323,617	2
4	12,1	65655	1	1	1	789,8943	1577,774	2
3	8,6	38025	1	1	1	662,8207	1323,627	2
3	8,6	38026	1	1	1	662,8223	1323,63	2
3	8,6	43308	1	1	1	686,0184	2055,033	3
3	8,6	59817	1	1	1	761,3999	2281,178	3
3	8,6	59822	1	1	1	761,4045	2281,192	3
4	19,2	33653	1	1	1	641,79	1281,566	2
4	19,2	42994	1	1	1	684,3804	1366,746	2
4	19,2	42995	1	1	1	684,3806	1366,747	2
4	19,2	98017	1	1	1	959,5219	1917,029	2
4	19,2	60625	1	1	1	765,7589	2294,255	3
1	4,7	97523	1	1	1	956,925	1911,836	2
1	4,7	97524	1	1	1	956,9258	1911,837	2
1	4,7	97525	1	1	1	956,9284	1911,842	2
2	11,7	27037	1	1	1	610,3339	1218,653	2
2	11,7	53075	1	1	1	730,8516	1459,689	2
2	11,7	53077	1	1	1	730,8552	1459,696	2
2	11,7	53078	1	1	1	730,8557	1459,697	2
2	11,7	53079	1	1	1	730,8568	1459,699	2
2	8,7	26845	1	1	1	609,3078	1216,601	2
2	8,7	26846	1	1	1	609,3083	1216,602	2
2	8,7	50324	1	1	1	719,8051	1437,596	2
2	8,7	50325	1	1	1	719,8061	1437,598	2
2	13,1	105754	1	1	1	1010,987	2019,96	2
2	13,1	105755	1	1	1	1010,988	2019,962	2
2	13,1	58590	1	1	1	756,0462	2265,117	3
2	12	43706	1	1	1	687,8421	1373,67	2
2	12	40169	1	1	1	672,3438	2014,01	3

2	12	105288	1	1	1	1008,014	2014,014	2
2	12	40174	1	1	1	672,3473	2014,02	3
4	7,6	32271	1	1	1	634,8605	1267,706	2
4	7,6	70499	1	1	1	812,9498	1623,885	2
4	7,6	24143	1	1	1	594,3284	1779,963	3
4	7,6	110777	1	1	1	1043,989	2085,963	2
3	23,7	38035	1	1	1	662,8361	1323,658	2
3	23,7	38036	1	1	1	662,8362	1323,658	2
3	23,7	65648	1	1	1	789,8739	1577,733	2
3	23,7	129537	1	1	1	1240,574	2479,134	2
5	12	43907	1	1	1	688,8477	1375,681	2
5	12	51393	1	1	1	723,8825	1445,75	2
5	12	68263	1	1	1	801,9351	1601,856	2
5	12	57237	1	1	1	749,3736	2245,099	3
5	12	122273	1	1	1	1140,174	2278,333	2
3	20,4	36947	1	1	1	657,8342	1313,654	2
3	20,4	42852	1	1	1	683,8699	1365,725	2
3	20,4	89599	1	1	1	911,9793	1821,944	2
5	18,2	16510	1	1	1	554,8057	1107,597	2
5	18,2	33785	1	1	1	642,3108	1282,607	2
5	18,2	103231	1	1	1	993,9373	1985,86	2
5	18,2	66095	1	1	1	792,3782	2374,113	3
5	18,2	101184	1	1	1	980,219	2937,635	3
1	6,1	68906	1	1	1	805,4461	1608,878	2
1	6,1	68907	1	1	1	805,4461	1608,878	2
1	6,1	68910	1	1	1	805,447	1608,88	2
4	39,6	35182	1	1	1	648,8048	1295,595	2
4	39,6	58797	1	1	1	756,8379	1511,661	2
4	39,6	58798	1	1	1	756,8392	1511,664	2
4	39,6	59858	1	1	1	761,8847	1521,755	2
4	39,6	90755	1	1	1	918,4334	2752,278	3
2	19,1	89407	1	1	1	910,9458	1819,877	2
2	19,1	89632	1	1	1	912,4409	1822,867	2
2	19,1	89634	1	1	1	912,4423	1822,87	2
2	12,1	68335	1	1	1	802,3972	1602,78	2
2	12,1	68340	1	1	1	802,3997	1602,785	2
2	12,1	95332	1	1	1	943,8249	2828,453	3
2	3,1	36793	1	1	1	656,855	1311,696	2
2	3,1	36796	1	1	1	656,8555	1311,696	2
2	3,1	36800	1	1	1	656,8563	1311,698	2
2	3,1	36803	1	1	1	656,8567	1311,699	2
2	3,1	36804	1	1	1	656,8568	1311,699	2
2	3,1	39102	1	1	1	666,8759	1331,737	2
2	3,1	39103	1	1	1	666,876	1331,737	2
2	17	80966	1	1	1	866,4357	1730,857	2
2	17	80967	1	1	1	866,436	1730,857	2
2	17	96775	1	1	1	952,4779	1902,941	2
2	17	96778	1	1	1	952,4787	1902,943	2

2	17	33477	1	1	1	640,6486	1918,924	3
2	18	75552	1	1	1	838,4145	1674,814	2
2	18	89825	1	1	1	913,44	1824,865	2
2	18	89829	1	1	1	913,4419	1824,869	2
3	1,4	25667	1	1	1	603,2872	1204,56	2
3	1,4	37393	1	1	1	659,8312	1317,648	2
3	1,4	77215	1	1	1	847,0694	2538,187	3
3	77	82012	1	1	1	871,9533	1741,892	2
3	77	82013	1	1	1	871,9568	1741,899	2
3	77	103453	1	1	1	995,3795	1988,744	2
3	77	103454	1	1	1	995,3859	1988,757	2
3	77	106525	1	1	1	1015,83	3044,468	3
4	26,6	40200	1	1	1	672,3582	1342,702	2
4	26,6	80813	1	1	1	865,9374	1729,86	2
4	26,6	80814	1	1	1	865,9374	1729,86	2
4	26,6	80815	1	1	1	865,9384	1729,862	2
4	26,6	119165	1	1	1	1109,133	2216,252	2
4	26,6	81407	1	1	1	868,4963	2602,467	3
1	10,2	65823	1	1	1	791,3404	1580,666	2
1	10,2	65825	1	1	1	791,3407	1580,667	2
1	10,2	65826	1	1	1	791,3411	1580,668	2
2	9,4	28106	1	1	1	615,8053	1229,596	2
2	9,4	28107	1	1	1	615,8071	1229,6	2
2	9,4	41927	1	1	1	679,8649	1357,715	2
2	9,4	41931	1	1	1	679,8655	1357,717	2
1	1,9	76676	1	1	1	844,3765	1686,738	2
1	1,9	76677	1	1	1	844,3786	1686,743	2
3	11,5	55411	1	1	1	741,3979	1480,781	2
3	11,5	41664	1	1	1	678,6886	2033,044	3
3	11,5	98548	1	1	1	963,4684	2887,383	3
3	11,5	98549	1	1	1	963,4709	2887,391	3
4	14,3	32652	1	1	1	636,8296	1271,645	2
4	14,3	43226	1	1	1	685,3874	1368,76	2
4	14,3	101182	1	1	1	980,0363	1958,058	2
4	14,3	51625	1	1	1	725,0295	2172,067	3
1	16,5	98880	1	1	1	965,9581	1929,902	2
1	16,5	98881	1	1	1	965,9592	1929,904	2
1	16,5	98882	1	1	1	965,9595	1929,904	2
1	16,5	98883	1	1	1	965,9605	1929,906	2
3	30	24428	1	1	1	596,3161	1190,618	2
3	30	24429	1	1	1	596,3161	1190,618	2
3	30	39657	1	1	1	669,8253	1337,636	2
3	30	80911	1	1	1	866,4145	1730,815	2
3	15,6	25918	1	1	1	604,3297	1206,645	2
3	15,6	14047	1	1	1	538,2835	1611,829	3
3	15,6	105376	1	1	1	1008,533	2015,052	2
1	8,4	106511	1	1	1	1015,563	2029,111	2
1	8,4	106512	1	1	1	1015,564	2029,113	2

4	47,7	28091	1	1	1	615,7756	1229,537	2
4	47,7	37237	1	1	1	658,8642	1315,714	2
4	47,7	75697	1	1	1	839,376	1676,737	2
4	47,7	77702	1	1	1	849,4338	1696,853	2
3	10	33864	1	1	1	642,3486	1282,683	2
3	10	45935	1	1	1	699,86	1397,705	2
3	10	45937	1	1	1	699,8608	1397,707	2
3	10	45939	1	1	1	699,8624	1397,71	2
3	10	112412	1	1	1	1055,472	2108,929	2
1	8,3	103690	1	1	1	996,482	1990,95	2
1	8,3	103711	1	1	1	996,4844	1990,954	2
1	8,3	103716	1	1	1	996,4858	1990,957	2
4	28,2	21504	1	1	1	581,3132	1160,612	2
4	28,2	31617	1	1	1	631,3477	1260,681	2
4	28,2	47655	1	1	1	706,8611	1411,708	2
4	28,2	99870	1	1	1	971,9575	1941,9	2
2	23,8	62936	1	1	1	776,4025	2326,186	3
2	23,8	114340	1	1	1	1069,826	3206,457	3
2	8,7	86020	1	1	1	893,9911	1785,968	2
2	8,7	113590	1	1	1	1064,095	2126,176	2
3	23,5	40453	1	1	1	673,3509	1344,687	2
3	23,5	50494	1	1	1	720,3568	1438,699	2
3	23,5	70455	1	1	1	812,8987	1623,783	2
3	23,5	70457	1	1	1	812,9004	1623,786	2
2	8,4	36582	1	1	1	655,8848	1309,755	2
2	8,4	75878	1	1	1	839,9189	1677,823	2
2	22,6	42585	1	1	1	683,2896	1364,565	2
2	22,6	132425	1	1	1	1324,11	2646,205	2
4	21,8	24183	1	1	1	594,7821	1187,55	2
4	21,8	42547	1	1	1	682,8537	1363,693	2
4	21,8	24572	1	1	1	597,2923	1788,855	3
4	21,8	69037	1	1	1	806,0721	2415,194	3
1	4,9	71449	1	1	1	818,4018	1634,789	2
1	4,9	71461	1	1	1	818,4051	1634,796	2
1	4,9	71465	1	1	1	818,4077	1634,801	2
3	21,6	98045	1	1	1	959,9686	1917,923	2
3	21,6	98298	1	1	1	962,0164	1922,018	2
3	21,6	60623	1	1	1	765,7345	2294,182	3
3	5,5	26716	1	1	1	608,8228	1215,631	2
3	5,5	57537	1	1	1	751,3243	1500,634	2
3	5,5	88871	1	1	1	908,4499	2722,328	3
2	13,4	69570	1	1	1	808,3857	1614,757	2
2	13,4	69571	1	1	1	808,3863	1614,758	2
2	13,4	72232	1	1	1	821,4755	1640,936	2
2	8,1	56661	1	1	1	747,3663	1492,718	2
2	8,1	97199	1	1	1	955,0174	1908,02	2
1	12,7	104214	1	1	1	999,9992	1997,984	2
1	12,7	104215	1	1	1	999,9999	1997,985	2

1	12,7	104217	1	1	1	1000,002	1997,99	2
3	11,7	37314	1	1	1	659,3394	1316,664	2
3	11,7	89694	1	1	1	912,5129	1823,011	2
3	11,7	115294	1	1	1	1076,055	2150,096	2
1	5,7	53198	1	1	1	731,6852	2192,034	3
2	10,7	53270	1	1	1	731,8844	1461,754	2
2	10,7	80272	1	1	1	863,399	1724,784	2
2	12	12847	1	1	1	530,2931	1058,572	2
2	12	76778	1	1	1	844,9562	1687,898	2
2	8,6	76185	1	1	1	841,4753	1680,936	2
2	8,6	89014	1	1	1	908,9297	1815,845	2
2	6,5	29437	1	1	1	621,833	1241,652	2
2	6,5	87595	1	1	1	901,9484	1801,882	2
2	6,5	87602	1	1	1	901,9519	1801,889	2
1	3,6	81798	1	1	1	870,9475	1739,881	2
1	3,6	81799	1	1	1	870,9476	1739,881	2
1	6	37996	1	1	1	662,65	1984,928	3
1	6	37997	1	1	1	662,6513	1984,932	3
2	17,8	20532	1	1	1	576,3143	1150,614	2
2	17,8	48055	1	1	1	709,0239	2124,05	3
2	17,8	48057	1	1	1	709,0258	2124,056	3
1	11,9	40106	1	1	1	671,8782	1341,742	2
1	11,9	40107	1	1	1	671,8799	1341,745	2
4	37,4	19948	1	1	1	573,3256	1144,637	2
4	37,4	38444	1	1	1	664,3121	1326,61	2
4	37,4	45078	1	1	1	694,8878	1387,761	2
4	37,4	41658	1	1	1	678,6479	2032,922	3
2	10,7	90339	1	1	1	916,3942	1830,774	2
2	10,7	120229	1	1	1	1118,482	2234,949	2
2	10,7	120232	1	1	1	1118,485	2234,954	2
1	4,9	81186	1	1	1	867,9316	1733,849	2
3	10,5	28803	1	1	1	618,843	1235,671	2
3	10,5	74776	1	1	1	834,8944	1667,774	2
3	10,5	97050	1	1	1	954,4484	1906,882	2
3	17,2	18185	1	1	1	563,3033	1124,592	2
3	17,2	63606	1	1	1	779,462	1556,909	2
3	17,2	115198	1	1	1	1075,521	2149,027	2
1	7,4	85405	1	1	1	890,4108	2668,211	3
1	7,4	85406	1	1	1	890,411	2668,211	3
1	4,7	104425	1	1	1	1001,479	2000,944	2
1	4,7	104431	1	1	1	1001,484	2000,953	2
3	19,6	40687	1	1	1	674,345	1346,675	2
3	19,6	13791	1	1	1	536,6235	1606,849	3
3	19,6	100825	1	1	1	977,5027	1952,991	2
1	9,2	54894	1	1	1	738,7304	2213,169	3
1	9,2	54895	1	1	1	738,731	2213,171	3
2	19,5	112090	1	1	1	1053,489	3157,444	3
2	19,5	123837	1	1	1	1158,213	3471,617	3

3	11,2	25438	1	1	1	601,8033	1201,592	2
3	11,2	35099	1	1	1	648,3038	1294,593	2
3	11,2	62558	1	1	1	774,9401	1547,866	2
3	11,2	62559	1	1	1	774,9403	1547,866	2
3	11,2	62560	1	1	1	774,9408	1547,867	2
2	31,8	86589	1	1	1	896,9197	1791,825	2
2	31,8	86590	1	1	1	896,9198	1791,825	2
2	31,8	40616	1	1	1	674,015	2019,023	3
2	13,5	57428	1	1	1	750,4075	1498,8	2
2	13,5	115867	1	1	1	1081,042	2160,069	2
2	13,5	115872	1	1	1	1081,046	2160,077	2
2	7,5	47107	1	1	1	704,889	1407,764	2
2	7,5	61377	1	1	1	769,3828	1536,751	2
2	13,5	43619	1	1	1	687,3765	1372,739	2
2	13,5	71471	1	1	1	818,411	1634,807	2
1	10,3	27967	1	1	1	614,8502	1227,686	2
1	10,3	27968	1	1	1	614,8521	1227,69	2
1	10,3	27969	1	1	1	614,8527	1227,691	2
1	5	91700	1	1	1	922,4711	1842,928	2
1	1,3	81138	1	1	1	867,4363	1732,858	2
1	1,3	81139	1	1	1	867,4402	1732,866	2
1	1,3	81140	1	1	1	867,4419	1732,869	2
2	2,5	73972	1	1	1	830,4497	1658,885	2
2	2,5	24478	1	1	1	596,664	1786,97	3
2	2,5	24479	1	1	1	596,6646	1786,972	3
2	7,9	37817	1	1	1	661,8092	1321,604	2
2	7,9	37818	1	1	1	661,811	1321,607	2
2	7,9	92846	1	1	1	928,9121	1855,81	2
2	9,1	35314	1	1	1	649,3916	1296,769	2
2	9,1	39590	1	1	1	669,3202	1336,626	2
1	3,6	63678	1	1	1	779,9479	1557,881	2
2	10,6	33622	1	1	1	641,3641	1280,714	2
2	10,6	33623	1	1	1	641,3645	1280,714	2
2	10,6	49155	1	1	1	714,379	1426,744	2
2	6	55515	1	1	1	741,8284	1481,642	2
2	6	55520	1	1	1	741,8333	1481,652	2
2	6	73198	1	1	1	827,3797	1652,745	2
1	12,3	48016	1	1	1	708,8667	1415,719	2
1	12,3	48017	1	1	1	708,867	1415,72	2
2	13,9	78924	1	1	1	855,4608	1708,907	2
2	13,9	95517	1	1	1	944,8876	1887,761	2
2	13,9	95518	1	1	1	944,8913	1887,768	2
2	11,5	29357	1	1	1	621,3294	1240,644	2
2	11,5	80000	1	1	1	861,7397	2582,197	3
2	11,5	80002	1	1	1	861,7434	2582,209	3
2	7,3	28778	1	1	1	618,8342	1235,654	2
2	7,3	106124	1	1	1	1013,498	2024,981	2
1	11	45157	1	1	1	695,3747	2083,102	3



2	7,9	75358	1	1	1	837,4296	1672,845	2
2	7,9	37054	1	1	1	658,3269	1971,959	3
2	11,6	86207	1	1	1	894,9453	1787,876	2
2	11,6	74934	1	1	1	835,7756	2504,305	3
2	13,5	49502	1	1	1	715,8679	1429,721	2
2	13,5	49504	1	1	1	715,8696	1429,725	2
2	13,5	59246	1	1	1	758,8744	1515,734	2
2	9,7	53136	1	1	1	731,3364	1460,658	2
2	9,7	76467	1	1	1	843,106	2526,296	3
2	9,7	76470	1	1	1	843,1081	2526,302	3
4	20,2	19891	1	1	1	573,2658	1144,517	2
4	20,2	23795	1	1	1	592,3334	1182,652	2
4	20,2	23798	1	1	1	592,3347	1182,655	2
4	20,2	27170	1	1	1	611,305	1220,595	2
4	20,2	130536	1	1	1	1264,109	2526,203	2
2	6,8	63072	1	1	1	777,3708	1552,727	2
2	6,8	48181	1	1	1	709,3869	2125,139	3
1	3,4	92803	1	1	1	928,4938	1854,973	2
3	20,9	79238	1	1	1	857,4157	1712,817	2
3	20,9	43884	1	1	1	688,7254	2063,154	3
3	20,9	64019	1	1	1	781,6987	2342,074	3
2	10,8	38507	1	1	1	664,3772	1326,74	2
2	10,8	41060	1	1	1	675,9845	2024,932	3
1	2,8	66576	1	1	1	794,3916	1586,769	2
1	4,3	50724	1	1	1	721,3528	1440,691	2
1	4,3	50726	1	1	1	721,353	1440,691	2
1	12	92044	1	1	1	924,4597	1846,905	2
1	12	92045	1	1	1	924,4597	1846,905	2
1	12	92053	1	1	1	924,4617	1846,909	2
1	3,7	39095	1	1	1	666,8545	1331,694	2
1	4,1	74263	1	1	1	832,3964	1662,778	2
1	4,1	74269	1	1	1	832,4	1662,785	2
1	6,9	36141	1	1	1	653,8456	1305,677	2
1	6,9	36142	1	1	1	653,8458	1305,677	2
2	7,6	22029	1	1	1	583,8138	1165,613	2
2	7,6	22030	1	1	1	583,8145	1165,614	2
2	7,6	75889	1	1	1	839,948	1677,881	2
2	13,8	104483	1	1	1	1001,549	2001,083	2
2	13,8	104485	1	1	1	1001,551	2001,088	2
2	13,8	49291	1	1	1	715,0488	2142,125	3
1	4,7	42322	1	1	1	681,8537	1361,693	2
1	4,7	42324	1	1	1	681,8556	1361,697	2
2	11,9	35775	1	1	1	651,3472	1300,68	2
2	11,9	55100	1	1	1	739,8573	1477,7	2
1	1,6	25900	1	1	1	604,3065	1206,599	2
1	1,6	25903	1	1	1	604,3077	1206,601	2
1	4,7	66716	1	1	1	795,0326	2382,076	3
3	16,2	37647	1	1	1	660,8243	1319,634	2

3	16,2	50329	1	1	1	719,8432	1437,672	2
3	16,2	10022	1	1	1	512,9251	1535,753	3
2	7,4	81966	1	1	1	871,92	1741,825	2
2	7,4	89783	1	1	1	913,414	1824,813	2
1	5,4	86531	1	1	1	896,4613	1790,908	2
1	4	36629	1	1	1	656,3242	1310,634	2
1	4	36634	1	1	1	656,3255	1310,636	2
1	5,1	68623	1	1	1	803,8897	1605,765	2
2	14,8	35976	1	1	1	652,8609	1303,707	2
2	14,8	84553	1	1	1	885,4593	1768,904	2
3	7,7	29974	1	1	1	623,8291	1245,644	2
3	7,7	38763	1	1	1	665,8294	1329,644	2
3	7,7	58238	1	1	1	754,6949	2261,063	3
3	14,7	63370	1	1	1	778,4422	1554,87	2
3	14,7	63371	1	1	1	778,4435	1554,873	2
3	14,7	65465	1	1	1	788,8768	1575,739	2
3	14,7	22257	1	1	1	585,0113	1752,012	3
2	24,4	16041	1	1	1	551,3249	1100,635	2
2	24,4	16042	1	1	1	551,325	1100,636	2
2	24,4	16043	1	1	1	551,3257	1100,637	2
2	24,4	16044	1	1	1	551,3266	1100,639	2
2	24,4	120401	1	1	1	1120,458	3358,351	3
2	7,9	22656	1	1	1	587,3317	1172,649	2
2	7,9	22659	1	1	1	587,3333	1172,652	2
2	7,9	48872	1	1	1	713,3788	1424,743	2
1	10,2	42266	1	1	1	681,6935	2042,059	3
1	10,2	42267	1	1	1	681,6976	2042,071	3
2	28,9	53876	1	1	1	734,8457	1467,677	2
2	28,9	53877	1	1	1	734,847	1467,68	2
2	28,9	57792	1	1	1	752,38	1502,746	2
1	16,8	48476	1	1	1	711,0552	2130,144	3
1	6	45633	1	1	1	697,8704	1393,726	2
1	6	45634	1	1	1	697,8715	1393,728	2
1	8,8	100095	1	1	1	973,5035	1944,993	2
1	0,8	61279	1	1	1	768,8785	1535,742	2
1	0,8	61282	1	1	1	768,8801	1535,746	2
2	0,9	54206	1	1	1	735,8764	1469,738	2
2	0,9	54953	1	1	1	738,9002	1475,786	2
1	7,7	32537	1	1	1	635,8375	1269,66	2
1	7,7	32543	1	1	1	635,839	1269,663	2
1	6,9	53995	1	1	1	735,0111	2202,012	3
1	6,9	53996	1	1	1	735,0115	2202,013	3
2	9	27552	1	1	1	612,8432	1223,672	2
2	9	48866	1	1	1	713,3682	1424,722	2
1	4,2	58822	1	1	1	757,0239	2268,05	3
1	4,2	58823	1	1	1	757,0255	2268,055	3
3	12,4	14365	1	1	1	540,3299	1078,645	2
3	12,4	25196	1	1	1	600,8096	1199,605	2

3	12,4	128299	1	1	1	1221,149	2440,283	2
1	8,1	97737	1	1	1	958,4684	1914,922	2
2	10,8	58165	1	1	1	754,3639	1506,713	2
2	10,8	114083	1	1	1	1067,595	2133,176	2
1	7,2	100651	1	1	1	976,4869	1950,959	2
1	7,2	100653	1	1	1	976,4923	1950,97	2
1	5,9	84648	1	1	1	885,9708	1769,927	2
1	4,3	76972	1	1	1	845,9206	1689,827	2
1	4,3	76973	1	1	1	845,9239	1689,833	2
1	3,6	43479	1	1	1	686,8555	1371,696	2
1	3,6	43480	1	1	1	686,8568	1371,699	2
1	3,6	43481	1	1	1	686,8578	1371,701	2
3	9,2	26058	1	1	1	605,3271	1208,64	2
3	9,2	43109	1	1	1	684,907	1367,8	2
3	9,2	56418	1	1	1	745,8905	1489,766	2
2	8,6	21837	1	1	1	582,984	1745,93	3
2	8,6	21839	1	1	1	582,9842	1745,931	3
2	8,6	48401	1	1	1	710,4036	2128,189	3
1	3	46647	1	1	1	702,8636	1403,713	2
1	3	46648	1	1	1	702,8641	1403,714	2
1	9,1	46582	1	1	1	702,4016	1402,789	2
2	8,4	35540	1	1	1	650,3445	1298,675	2
2	8,4	51731	1	1	1	725,3671	1448,72	2
1	6	89220	1	1	1	909,9553	1817,896	2
2	10,8	86146	1	1	1	894,4691	1786,924	2
2	10,8	87462	1	1	1	901,15	2700,428	3
1	4,1	48895	1	1	1	713,3979	2137,172	3
1	4,7	49390	1	1	1	715,377	2143,109	3
2	14,3	40967	1	1	1	675,3897	1348,765	2
2	14,3	58034	1	1	1	753,4423	1504,87	2
1	13,5	115141	1	1	1	1074,931	2147,847	2
1	8,8	132827	1	1	1	1340,583	2679,151	2
1	8,8	132828	1	1	1	1340,584	2679,154	2
1	2,6	56852	1	1	1	747,8516	1493,689	2
1	2,6	56856	1	1	1	747,8548	1493,695	2
1	3,5	70061	1	1	1	810,9259	1619,837	2
2	9,8	60337	1	1	1	764,3425	1526,671	2
2	9,8	20981	1	1	1	578,9827	1733,926	3
2	6,7	76316	1	1	1	842,4107	1682,807	2
2	6,7	58061	1	1	1	753,7165	2258,128	3
2	10,7	38101	1	1	1	663,2909	1324,567	2
2	10,7	38954	1	1	1	665,8482	1329,682	2
1	9,2	33380	1	1	1	640,3156	1278,617	2
1	9,2	33383	1	1	1	640,3164	1278,618	2
2	3,3	19145	1	1	1	568,8209	1135,627	2
2	3,3	19148	1	1	1	568,8219	1135,629	2
2	3,3	40059	1	1	1	671,8361	1341,658	2
1	16,5	48630	1	1	1	711,898	1421,782	2

1	2,8	39389	1	1	1	668,341	2002,001	3
1	2,6	90523	1	1	1	917,4736	1832,933	2
1	2,8	93596	1	1	1	933,4323	1864,85	2
2	19,1	45893	1	1	1	699,4015	1396,788	2
2	19,1	45864	1	1	1	699,3611	2095,061	3
2	5,2	56659	1	1	1	747,3655	1492,716	2
2	5,2	78596	1	1	1	854,3874	1706,76	2
2	9,8	70765	1	1	1	814,4193	1626,824	2
2	9,8	70858	1	1	1	814,9127	1627,811	2
1	5,4	104130	1	1	1	999,5219	1997,029	2
1	8,2	119872	1	1	1	1114,558	2227,102	2
1	8,5	64028	1	1	1	781,8329	1561,651	2
1	8,5	64029	1	1	1	781,833	1561,651	2
1	8,5	65639	1	1	1	789,8258	1577,637	2
1	8,5	65642	1	1	1	789,8285	1577,643	2
1	3,2	62045	1	1	1	772,4242	2314,251	3
2	11,6	51710	1	1	1	725,356	1448,697	2
2	11,6	57154	1	1	1	749,0278	2244,062	3
1	7,5	65739	1	1	1	790,4473	1578,88	2
1	4,8	40849	1	1	1	674,8631	1347,712	2
1	18,4	65841	1	1	1	791,3586	1580,703	2
1	18,4	70341	1	1	1	812,3636	1622,713	2
2	7,8	33905	1	1	1	642,8204	1283,626	2
2	7,8	38378	1	1	1	663,8635	1325,712	2
2	13,3	12217	1	1	1	526,3001	1050,586	2
2	13,3	65088	1	1	1	786,7314	2357,173	3
1	28,6	127432	1	1	1	1206,864	3617,57	3
1	12,8	94293	1	1	1	937,9169	1873,819	2
2	21,7	44911	1	1	1	693,8796	1385,745	2
2	21,7	130870	1	1	1	1273,674	2545,333	2
1	4,2	46555	1	1	1	702,37	2104,088	3
1	5,9	102870	1	1	1	991,5505	1981,087	2
1	8,4	45665	1	1	1	698,0312	2091,072	3
1	4,4	100921	1	1	1	978,5057	1954,997	2
2	1,1	37963	1	1	1	662,3591	1322,704	2
2	1,1	52000	1	1	1	726,8792	1451,744	2
2	1,1	52002	1	1	1	726,8795	1451,745	2
2	1,9	20606	1	1	1	576,7909	1151,567	2
2	1,9	42551	1	1	1	682,8639	1363,713	2
2	16	59606	1	1	1	760,3699	1518,725	2
2	16	65500	1	1	1	789,0647	2364,172	3
1	5,8	61713	1	1	1	770,6971	2309,069	3
1	8,8	31469	1	1	1	630,866	1259,717	2
1	8,8	31473	1	1	1	630,8675	1259,721	2
1	5	71388	1	1	1	817,9023	1633,79	2
1	1,8	92484	1	1	1	927,4385	1852,863	2
1	8,2	75391	1	1	1	837,7151	2510,123	3
1	7,8	37350	1	1	1	659,6525	1975,936	3

1	10,4	62762	1	1	1	775,8581	1549,702	2
1	6,2	73172	1	1	1	826,9644	1651,914	2
2	9,1	68134	1	1	1	801,4025	1600,79	2
2	9,1	28497	1	1	1	617,661	1849,961	3
2	10,9	33640	1	1	1	641,6295	1921,867	3
2	10,9	48528	1	1	1	711,3546	2131,042	3
1	8	33520	1	1	1	640,872	1279,73	2
2	7,5	28768	1	1	1	618,8246	1235,635	2
2	7,5	104883	1	1	1	1004,979	2007,943	2
2	5,5	26358	1	1	1	606,8724	1211,73	2
2	5,5	38375	1	1	1	663,858	1325,702	2
1	1,2	20055	1	1	1	573,9722	1718,895	3
2	10,5	28046	1	1	1	615,3456	1228,677	2
2	10,5	101371	1	1	1	981,4654	1960,916	2
1	15	86422	1	1	1	895,9757	1789,937	2
2	7	7951	1	1	1	498,779	995,5435	2
2	7	89379	1	1	1	910,5148	1819,015	2
1	7,6	47936	1	1	1	708,3525	1414,691	2
2	9,3	93652	1	1	1	933,9549	1865,895	2
2	9,3	42966	1	1	1	684,3474	2050,02	3
1	4,2	57489	1	1	1	750,8804	1499,746	2
1	6,2	35884	1	1	1	652,303	1953,887	3
2	8	26670	1	1	1	608,3354	1214,656	2
2	8	49204	1	1	1	714,4128	1426,811	2
2	7,5	17268	1	1	1	558,3238	1671,95	3
2	7,5	101724	1	1	1	983,9372	1965,86	2
1	7,6	17190	1	1	1	557,9757	1670,905	3
1	7,6	17191	1	1	1	557,9765	1670,908	3
2	16,4	25034	1	1	1	599,8508	1197,687	2
2	16,4	36679	1	1	1	656,3942	1310,774	2
2	10,4	51916	1	1	1	726,3716	1450,729	2
2	10,4	106736	1	1	1	1016,488	2030,962	2
1	8,9	63563	1	1	1	779,4009	1556,787	2
1	9,4	46653	1	1	1	702,8696	1403,725	2
1	7	65477	1	1	1	788,918	1575,822	2
1	2,7	20542	1	1	1	576,3252	1150,636	2
1	5,4	104662	1	1	1	1002,944	2003,873	2
1	9	38217	1	1	1	663,3841	1324,754	2
1	5,5	58331	1	1	1	755,3461	1508,678	2
1	2	57627	1	1	1	751,4036	1500,793	2
1	3,8	63909	1	1	1	780,9158	1559,817	2
1	5,4	42895	1	1	1	684,3252	1366,636	2
1	7,1	33308	1	1	1	639,8208	1277,627	2
1	5,8	49230	1	1	1	714,749	2141,225	3
1	4,4	46384	1	1	1	701,8179	1401,621	2
1	2,5	42929	1	1	1	684,3317	1366,649	2
2	12,5	52281	1	1	1	727,8796	1453,745	2
2	12,5	70435	1	1	1	812,4979	1622,981	2

1	2,9	45766	1	1	1	698,8367	1395,659	2
1	8	30841	1	1	1	627,8259	1253,637	2
1	3,8	41623	1	1	1	678,354	1354,693	2
1	4,4	55242	1	1	1	740,3912	1478,768	2
1	4,4	55244	1	1	1	740,3948	1478,775	2
1	13,8	78089	1	1	1	851,9093	1701,804	2
1	10,7	46367	1	1	1	701,6849	2102,033	3
2	45,5	37796	1	1	1	661,4181	1320,822	2
2	45,5	92445	1	1	1	927,1003	2778,279	3
1	2,5	39702	1	1	1	669,8765	1337,738	2
1	2,5	85177	1	1	1	888,9541	1775,894	2
1	7,5	62424	1	1	1	774,3884	1546,762	2
1	9,5	13469	1	1	1	534,2878	1066,561	2
1	8,7	90776	1	1	1	918,4419	1834,869	2
1	2	86172	1	1	1	894,5379	1787,061	2
1	2	86173	1	1	1	894,5387	1787,063	2
1	5	36605	1	1	1	656,306	1965,896	3
2	16,2	24363	1	1	1	595,8061	1189,598	2
2	16,2	89541	1	1	1	911,5595	1821,104	2
1	7,3	97526	1	1	1	956,9523	1911,89	2
1	6,6	66337	1	1	1	793,3584	1584,702	2
1	15,3	95728	1	1	1	945,9334	1889,852	2
1	15,3	95729	1	1	1	945,9365	1889,859	2
1	7,9	24797	1	1	1	598,6503	1792,929	3
1	2,6	25660	1	1	1	603,2799	1204,545	2
1	4,9	37532	1	1	1	660,329	1318,644	2
1	2,3	102159	1	1	1	986,9855	1971,956	2
1	3,4	78031	1	1	1	851,4446	1700,875	2
1	5,8	45654	1	1	1	698,01	2091,008	3
1	3,3	33445	1	1	1	640,3501	1278,686	2
1	3,3	43203	1	1	1	685,3535	1368,692	2
1	3,2	24126	1	1	1	594,3095	1186,605	2
1	23,4	69870	1	1	1	809,9464	1617,878	2
1	5,1	56864	1	1	1	747,8668	1493,719	2
1	3	72688	1	1	1	823,9052	1645,796	2
1	2,5	43281	1	1	1	685,882	1369,749	2
1	16,3	88645	1	1	1	907,1074	2718,3	3
1	3,2	38213	1	1	1	663,3728	1324,731	2
1	6,9	70446	1	1	1	812,8497	1623,685	2
1	5,9	71173	1	1	1	816,4134	1630,812	2
1	3,6	39463	1	1	1	668,8138	1335,613	2
1	15,6	73735	1	1	1	829,462	1656,909	2
1	3,2	51394	1	1	1	723,8831	1445,752	2
1	13,9	97194	1	1	1	954,9597	1907,905	2
1	19,5	26901	1	1	1	609,6359	1825,886	3
1	12,2	48773	1	1	1	712,8796	1423,745	2
1	4,3	31788	1	1	1	632,3443	1262,674	2
1	1,1	20847	1	1	1	577,9525	1730,836	3

1	4,8	117381	1	1	1	1092,051	2182,086	2
1	4,1	65213	1	1	1	787,4001	1572,786	2
1	3,7	34539	1	1	1	645,6797	1934,017	3
1	4	41898	1	1	1	679,8398	1357,665	2
1	3,7	37195	1	1	1	658,8294	1315,644	2
1	5,6	53849	1	1	1	734,4171	2200,229	3
1	7,1	22497	1	1	1	586,3145	1170,615	2
1	13	60976	1	1	1	767,3979	1532,781	2
1	1,4	44852	1	1	1	693,3877	1384,761	2
1	5,3	49706	1	1	1	716,394	1430,774	2
1	3,6	18545	1	1	1	565,2944	1128,574	2
1	7,1	40473	1	1	1	673,3664	1344,718	2
1	2,7	76968	1	1	1	845,9059	1689,797	2
1	9,3	32628	1	1	1	636,3552	1270,696	2
1	6,6	94170	1	1	1	936,9628	1871,911	2
1	11,6	79242	1	1	1	857,418	1712,822	2
1	3,1	68868	1	1	1	805,3798	1608,745	2
1	15,8	63809	1	1	1	780,4225	1558,831	2
1	3,6	123835	1	1	1	1158,103	2314,192	2
1	3,4	76953	1	1	1	845,736	2534,186	3
1	1,1	46423	1	1	1	701,8673	1401,72	2
1	4	21799	1	1	1	582,7952	1163,576	2
1	8,9	59718	1	1	1	760,8903	1519,766	2
1	8,5	96753	1	1	1	952,4569	1902,899	2
1	8,5	83685	1	1	1	880,9569	1759,899	2
1	2,8	6456	1	1	1	486,7918	971,569	2
1	2,6	63298	1	1	1	778,3932	1554,772	2
1	4,9	108004	1	1	1	1024,881	3071,622	3
1	8	61961	1	1	1	772,3399	1542,665	2
1	4,2	71304	1	1	1	817,3959	1632,777	2
1	3,1	54733	1	1	1	737,8657	1473,717	2
1	5,6	41681	1	1	1	678,8608	1355,707	2
1	10,3	96516	1	1	1	951,4106	1900,807	2
1	8	81302	1	1	1	868,4341	1734,854	2
1	15,8	94037	1	1	1	936,4311	2806,272	3
1	2,8	91205	1	1	1	920,4447	1838,875	2
1	20,9	57510	1	1	1	750,9262	1499,838	2
1	4,4	15925	1	1	1	550,8009	1099,587	2
1	1,8	30336	1	1	1	625,3401	1248,666	2
1	2,8	14932	1	1	1	544,8117	1087,609	2
1	5,8	103762	1	1	1	997,0045	1991,994	2
1	1,3	9052	1	1	1	506,7878	1011,561	2
1	3,8	29257	1	1	1	620,8462	1239,678	2
1	24,1	119277	1	1	1	1110,015	2218,016	2
1	9,5	50332	1	1	1	719,8455	1437,676	2
1	6,1	86825	1	1	1	897,9225	1793,83	2
1	14,3	91098	1	1	1	919,9576	1837,901	2
1	3,5	23342	1	1	1	590,7668	1179,519	2

1	3,5	23343	1	1	1	590,7674	1179,52	2
1	3,6	35618	1	1	1	650,8441	1299,674	2
1	3,1	42884	1	1	1	684,3121	1366,61	2
1	3,5	8984	1	1	1	506,2933	1010,572	2
1	5,4	110952	1	1	1	1045,002	2087,99	2
1	4,2	27116	1	1	1	610,83	1219,646	2
1	3,7	45784	1	1	1	698,8577	1395,701	2
1	3,4	14682	1	1	1	542,804	1083,593	2
1	8,2	98305	1	1	1	962,1144	2883,322	3
1	11,4	46466	1	1	1	702,3041	2103,89	3
1	2,8	61026	1	1	1	767,8429	1533,671	2
1	1,4	22377	1	1	1	585,7996	1169,585	2
1	11,1	89005	1	1	1	908,5252	1815,036	2
1	24	103575	1	1	1	995,6481	1989,282	2



pep_calc_n	pep_delta	pep_miss	pep_score	pep_expect	pep_res_be	pep_seq	pep_res_aft	pep_var_m
845,4494	-0,0113	0	46,9	0,001	A	VAEATEVK	A	
851,4613	-0,011	0	39,34	0,0033	H	HSSGLVPR	G	
851,4613	-0,01	0	36,33	0,0067	H	HSSGLVPR	G	
851,4613	-0,0094	0	33,18	0,0099	H	HSSGLVPR	G	
851,4613	-0,0062	0	32,75	0,011	H	HSSGLVPR	G	
887,4825	-0,0115	1	37,46	0,012	I	LTEQGGKR	L	
887,4825	-0,0115	1	47,13	0,0013	I	LTEQGGKR	L	
936,528	-0,0125	2	37,23	0,012	E	YEEKLKK	E	
973,5192	-0,0104	1	37,42	0,011	V	AEATEVKA	F A	
973,5192	-0,0093	1	53,9	0,00026	V	AEATEVKA	F A	
988,5203	-0,0097	0	47,46	0,0018	H	HHSSGLVP	G	
1000,567	-0,0107	1	41,53	0,0073	E	ILTEQGGK	F L	
1000,567	-0,0098	1	48,66	0,0013	E	ILTEQGGK	F L	
1000,567	-0,0093	1	53,42	0,00044	E	ILTEQGGK	F L	
1030,531	-0,0128	0	41,06	0,0088	H	HHSSGLVP	G	Acetyl (N-ter)
1030,531	-0,0066	0	39,9	0,012	H	HHSSGLVP	G	Acetyl (N-ter)
1037,457	-0,0084	0	35,21	0,0055	K	WFTEGNER	G	
1072,588	-0,0077	1	53,69	0,00044	A	VAEATEVK	A	
1072,588	-0,0052	1	77,94	1.60E-06	A	VAEATEVK	A	
1088,535	-0,0047	0	38,76	0,013	V	DEILTEQGG	R	
1127,561	-0,0117	0	44,48	0,0012	K	EALWPELD	L	
1127,561	-0,0114	0	37,08	0,0066	K	EALWPELD	L	
1127,561	-0,0113	0	45,03	0,0011	K	EALWPELD	L	
1127,561	-0,011	0	48,3	0,0005	K	EALWPELD	L	
1127,561	-0,01	0	42,45	0,0019	K	EALWPELD	L	
1127,561	-0,0091	0	51,78	0,00024	K	EALWPELD	L	
1127,561	-0,007	0	39,82	0,0034	K	EALWPELD	L	
1129,598	-0,0131	0	48,23	0,00095	A	AAAAVAEA	A	
1129,598	-0,0084	0	45,81	0,0018	A	AAAAVAEA	A	
1129,598	-0,0079	0	64,93	1.80E-05	A	AAAAVAEA	A	
1129,598	-0,0078	0	48,1	0,00088	A	AAAAVAEA	A	
1129,598	-0,0076	0	72,83	3.00E-06	A	AAAAVAEA	A	
1129,598	-0,0051	0	65,88	1.70E-05	A	AAAAVAEA	A	
1129,609	-0,0114	1	40,2	0,0058	D	EILTEQGGK	L	
1129,609	-0,0104	1	36,82	0,012	D	EILTEQGGK	L	
1129,609	-0,0081	1	55,97	0,00015	D	EILTEQGGK	L	
1129,609	-0,0079	1	36,83	0,012	D	EILTEQGGK	L	
1129,609	-0,0057	1	45,01	0,002	D	EILTEQGGK	L	
1129,609	-0,0056	1	46,6	0,0014	D	EILTEQGGK	L	
1129,609	-0,0052	1	38,66	0,0081	D	EILTEQGGK	L	
1129,609	-0,0049	1	51,87	0,00039	D	EILTEQGGK	L	
1129,609	-0,0046	1	70,13	5.80E-06	D	EILTEQGGK	L	
1129,609	-0,0046	1	50,24	0,00056	D	EILTEQGGK	L	
1129,609	-0,0045	1	55,66	0,00016	D	EILTEQGGK	L	
1129,609	-0,0044	1	61,29	4.40E-05	D	EILTEQGGK	L	
1143,625	-0,0098	1	84,34	2.10E-07	A	AVAEATEV	A	
1143,625	-0,0093	1	65,4	1.80E-05	A	AVAEATEV	A	

1143,625	-0,0077	1	38,01	0,0091	A	AVAEATEV\ A
1143,625	-0,0073	1	63,59	2.50E-05	A	AVAEATEV\ A
1143,625	-0,0063	1	67	1.10E-05	A	AVAEATEV\ A
1143,625	-0,0043	1	77,85	9.30E-07	A	AVAEATEV\ A
1179,588	-0,0079	2	38,91	0,0058	L	AEEAKARY\ A
1179,588	-0,007	2	48,51	0,0006	L	AEEAKARY\ A
1181,583	-0,0101	1	39,47	0,0042	E	PTDNAARF\ W
1181,583	-0,0075	1	61,14	2.80E-05	E	PTDNAARF\ W
1181,583	-0,0064	1	46,82	0,00079	E	PTDNAARF\ W
1187,603	-0,0098	0	57,97	8.80E-05	V	VDEILTEQG\ R
1187,603	-0,0096	0	67,64	9.50E-06	V	VDEILTEQG\ R
1187,603	-0,0095	0	74,42	2.00E-06	V	VDEILTEQG\ R
1187,603	-0,0092	0	76,32	1.30E-06	V	VDEILTEQG\ R
1187,603	-0,0083	0	68,9	7.20E-06	V	VDEILTEQG\ R
1187,603	-0,0083	0	64,62	1.90E-05	V	VDEILTEQG\ R
1187,603	-0,0065	0	66,59	1.30E-05	V	VDEILTEQG\ R
1187,603	-0,0056	0	51,12	0,00044	V	VDEILTEQG\ R
1187,603	-0,0049	0	59,66	6.30E-05	V	VDEILTEQG\ R
1187,603	-0,0045	0	54,47	0,00021	V	VDEILTEQG\ R
1194,613	-0,0156	2	40,9	0,0084	D	EEYEEKLK\ E
1194,613	-0,0129	2	55	0,00033	D	EEYEEKLK\ E
1200,635	-0,0076	0	71,49	8.70E-06	E	AAAAVAE\ A
1200,635	-0,0051	0	66,01	3.10E-05	E	AAAAVAE\ A
1200,635	-0,005	0	64,43	4.40E-05	E	AAAAVAE\ A
1202,677	-0,0087	0	59,43	7.70E-05	M	ATPLVLHA\ L
1202,677	-0,0048	0	62,59	3.40E-05	M	ATPLVLHA\ L
1214,662	-0,0107	1	45,95	0,0026	A	AAVAEATE\ A
1214,662	-0,0104	1	85,97	2.60E-07	A	AAVAEATE\ A
1214,662	-0,0088	1	47,07	0,0019	A	AAVAEATE\ A
1214,662	-0,0068	1	45,23	0,0029	A	AAVAEATE\ A
1214,662	-0,0053	1	83,33	4.50E-07	A	AAVAEATE\ A
1234,584	-0,0119	1	39,08	0,0084	G	NRQYEHFN\ V
1240,645	-0,0156	1	44	0,004	K	EALWPELD\ L
1244,636	-0,0166	1	74,11	4.20E-06	V	DEILTEQG\ L
1244,636	-0,0148	1	42,11	0,0067	V	DEILTEQG\ L
1244,636	-0,0128	1	42,26	0,0069	V	DEILTEQG\ L
1244,636	-0,0123	1	43,21	0,0055	V	DEILTEQG\ L
1244,636	-0,012	1	46,17	0,0028	V	DEILTEQG\ L
1244,636	-0,0114	1	41,39	0,0083	V	DEILTEQG\ L
1244,636	-0,0102	1	62,04	7.50E-05	V	DEILTEQG\ L
1244,636	-0,0102	1	69,66	1.30E-05	V	DEILTEQG\ L
1244,636	-0,0098	1	39,83	0,012	V	DEILTEQG\ L
1244,636	-0,0097	1	75,19	3.60E-06	V	DEILTEQG\ L
1244,636	-0,0092	1	45,57	0,0032	V	DEILTEQG\ L
1244,636	-0,0091	1	42,61	0,0064	V	DEILTEQG\ L
1244,636	-0,0091	1	62,66	6.30E-05	V	DEILTEQG\ L
1244,636	-0,0091	1	62,04	7.30E-05	V	DEILTEQG\ L
1244,636	-0,0089	1	68,51	1.70E-05	V	DEILTEQG\ L

1244,636	-0,0088	1	51,27	0,00088 V	DEILTEQGCL
1244,636	-0,0086	1	68,92	1.50E-05 V	DEILTEQGCL
1244,636	-0,0084	1	47,03	0,0023 V	DEILTEQGCL
1244,636	-0,0083	1	49,64	0,0013 V	DEILTEQGCL
1244,636	-0,0083	1	48,13	0,0018 V	DEILTEQGCL
1244,636	-0,0083	1	59,85	0,00012 V	DEILTEQGCL
1244,636	-0,0082	1	56,14	0,00029 V	DEILTEQGCL
1244,636	-0,0081	1	61,45	8.50E-05 V	DEILTEQGCL
1244,636	-0,008	1	55,46	0,00034 V	DEILTEQGCL
1244,636	-0,008	1	41,74	0,008 V	DEILTEQGCL
1244,636	-0,008	1	67,39	2.20E-05 V	DEILTEQGCL
1244,636	-0,0078	1	50,57	0,001 V	DEILTEQGCL
1244,636	-0,0077	1	75,26	3.50E-06 V	DEILTEQGCL
1244,636	-0,0076	1	45,2	0,0035 V	DEILTEQGCL
1244,636	-0,0076	1	55,79	0,00031 V	DEILTEQGCL
1244,636	-0,0076	1	69,12	1.40E-05 V	DEILTEQGCL
1244,636	-0,0076	1	61,71	7.90E-05 V	DEILTEQGCL
1244,636	-0,0075	1	60,42	0,00011 V	DEILTEQGCL
1244,636	-0,0072	1	61,81	7.80E-05 V	DEILTEQGCL
1244,636	-0,0071	1	50,08	0,0012 V	DEILTEQGCL
1244,636	-0,0071	1	51,48	0,00084 V	DEILTEQGCL
1244,636	-0,0069	1	51,17	0,0009 V	DEILTEQGCL
1244,636	-0,0068	1	55,94	0,0003 V	DEILTEQGCL
1244,636	-0,0066	1	61,98	7.50E-05 V	DEILTEQGCL
1244,636	-0,0066	1	45,18	0,0036 V	DEILTEQGCL
1244,636	-0,0065	1	67,61	2.00E-05 V	DEILTEQGCL
1244,636	-0,0064	1	46,95	0,0023 V	DEILTEQGCL
1244,636	-0,006	1	51,46	0,00084 V	DEILTEQGCL
1244,636	-0,0059	1	55,83	0,00031 V	DEILTEQGCL
1244,636	-0,0059	1	51,17	0,00089 V	DEILTEQGCL
1244,636	-0,0058	1	62,14	7.20E-05 V	DEILTEQGCL
1244,636	-0,0058	1	43,47	0,0053 V	DEILTEQGCL
1244,636	-0,0058	1	51,26	0,00088 V	DEILTEQGCL
1244,636	-0,0055	1	61,7	8.00E-05 V	DEILTEQGCL
1244,636	-0,0055	1	55,77	0,00031 V	DEILTEQGCL
1244,636	-0,0055	1	57,82	0,00019 V	DEILTEQGCL
1244,636	-0,0053	1	55,65	0,00032 V	DEILTEQGCL
1244,636	-0,0052	1	46,78	0,0025 V	DEILTEQGCL
1244,636	-0,0047	1	54,68	0,0004 V	DEILTEQGCL
1244,636	-0,0045	1	54,79	0,00039 V	DEILTEQGCL
1244,636	-0,0041	1	58,48	0,00017 V	DEILTEQGCL
1244,636	-0,0041	1	55,46	0,00033 V	DEILTEQGCL
1244,636	-0,004	1	55,78	0,00031 V	DEILTEQGCL
1244,636	-0,004	1	39,99	0,012 V	DEILTEQGCL
1244,636	-0,0037	1	68,66	1.60E-05 V	DEILTEQGCL
1244,636	-0,0036	1	50,47	0,001 V	DEILTEQGCL
1244,636	-0,0035	1	51,01	0,00092 V	DEILTEQGCL
1244,636	-0,0032	1	51,13	0,00094 V	DEILTEQGCL

1244,636	-0,0031	1	75	3.90E-06	V	DEILTEQGCL
1244,636	-0,003	1	54,29	0,00046	V	DEILTEQGCL
1244,636	-0,0029	1	61,79	8.20E-05	V	DEILTEQGCL
1244,636	-0,0026	1	50,14	0,0012	V	DEILTEQGCL
1244,636	-0,0023	1	48,88	0,0015	V	DEILTEQGCL
1244,636	-0,0021	1	51,23	0,00088	V	DEILTEQGCL
1244,636	-0,0021	1	51,7	0,00079	V	DEILTEQGCL
1244,636	-0,0016	1	67,29	2.20E-05	V	DEILTEQGCL
1244,636	-0,0016	1	48,68	0,0016	V	DEILTEQGCL
1244,636	0,0009	1	67,19	2.30E-05	V	DEILTEQGCL
1264,532	-0,0128	0	54,49	4.10E-05	T	YGDGEPTDF
1282,652	-0,0078	1	56,81	0,00021	K	RLVPVGLGC
1282,652	-0,004	1	58,42	0,00015	K	RLVPVGLGC
1285,699	-0,0103	1	93,77	2.50E-08	A	AAAVAEATIA
1285,699	-0,0069	1	93,78	2.40E-08	A	AAAVAEATIA
1286,672	-0,0153	0	43,95	0,0047	K	VVDEILTEQR
1286,672	-0,0142	0	52,23	0,00073	K	VVDEILTEQR
1286,672	-0,0138	0	43,25	0,0059	K	VVDEILTEQR
1286,672	-0,0134	0	81,73	8.20E-07	K	VVDEILTEQR
1286,672	-0,0124	0	63,21	5.70E-05	K	VVDEILTEQR
1286,672	-0,0124	0	57,88	0,00019	K	VVDEILTEQR
1286,672	-0,0115	0	71,09	9.30E-06	K	VVDEILTEQR
1286,672	-0,0113	0	49,18	0,0014	K	VVDEILTEQR
1286,672	-0,0112	0	61,02	9.30E-05	K	VVDEILTEQR
1286,672	-0,0108	0	84,74	4.00E-07	K	VVDEILTEQR
1286,672	-0,0107	0	72,11	7.30E-06	K	VVDEILTEQR
1286,672	-0,0107	0	59,7	0,00013	K	VVDEILTEQR
1286,672	-0,0105	0	57,15	0,00023	K	VVDEILTEQR
1286,672	-0,0105	0	88,48	1.70E-07	K	VVDEILTEQR
1286,672	-0,0103	0	52,32	0,00071	K	VVDEILTEQR
1286,672	-0,0101	0	45,12	0,0037	K	VVDEILTEQR
1286,672	-0,0097	0	86,99	2.40E-07	K	VVDEILTEQR
1286,672	-0,0096	0	43,71	0,0051	K	VVDEILTEQR
1286,672	-0,0094	0	85,48	3.40E-07	K	VVDEILTEQR
1286,672	-0,0093	0	61,95	7.60E-05	K	VVDEILTEQR
1286,672	-0,0091	0	45,05	0,0037	K	VVDEILTEQR
1286,672	-0,009	0	52,33	0,0007	K	VVDEILTEQR
1286,672	-0,0086	0	58,33	0,00018	K	VVDEILTEQR
1286,672	-0,0084	0	51,97	0,00076	K	VVDEILTEQR
1286,672	-0,0084	0	89,2	1.40E-07	K	VVDEILTEQR
1286,672	-0,0084	0	75,83	3.10E-06	K	VVDEILTEQR
1286,672	-0,0081	0	48,72	0,0016	K	VVDEILTEQR
1286,672	-0,0081	0	88,74	1.60E-07	K	VVDEILTEQR
1286,672	-0,0079	0	42,3	0,0074	K	VVDEILTEQR
1286,672	-0,0079	0	51,23	0,00095	K	VVDEILTEQR
1286,672	-0,0078	0	39,84	0,013	K	VVDEILTEQR
1286,672	-0,0077	0	57,63	0,00022	K	VVDEILTEQR
1286,672	-0,0076	0	57,36	0,00023	K	VVDEILTEQR

1286,672	-0,0075	0	39,91	0,013	K	VVDEILTEQ R
1286,672	-0,0074	0	70,67	1.10E-05	K	VVDEILTEQ R
1286,672	-0,0073	0	45,07	0,0039	K	VVDEILTEQ R
1286,672	-0,0073	0	78,27	1.90E-06	K	VVDEILTEQ R
1286,672	-0,0073	0	62,67	6.80E-05	K	VVDEILTEQ R
1286,672	-0,0073	0	65,59	3.50E-05	K	VVDEILTEQ R
1286,672	-0,0072	0	41,8	0,0083	K	VVDEILTEQ R
1286,672	-0,0072	0	52,39	0,00073	K	VVDEILTEQ R
1286,672	-0,0071	0	75,76	3.30E-06	K	VVDEILTEQ R
1286,672	-0,0071	0	67,93	2.00E-05	K	VVDEILTEQ R
1286,672	-0,0071	0	80,08	1.20E-06	K	VVDEILTEQ R
1286,672	-0,0071	0	62,34	7.30E-05	K	VVDEILTEQ R
1286,672	-0,007	0	77,41	2.30E-06	K	VVDEILTEQ R
1286,672	-0,007	0	53,16	0,00061	K	VVDEILTEQ R
1286,672	-0,007	0	66,15	3.10E-05	K	VVDEILTEQ R
1286,672	-0,0069	0	67,68	2.10E-05	K	VVDEILTEQ R
1286,672	-0,0069	0	82,44	7.10E-07	K	VVDEILTEQ R
1286,672	-0,0068	0	78,21	1.90E-06	K	VVDEILTEQ R
1286,672	-0,0067	0	41,95	0,008	K	VVDEILTEQ R
1286,672	-0,0067	0	75,23	3.80E-06	K	VVDEILTEQ R
1286,672	-0,0066	0	71,21	9.50E-06	K	VVDEILTEQ R
1286,672	-0,0066	0	50,57	0,0011	K	VVDEILTEQ R
1286,672	-0,0065	0	72,37	7.30E-06	K	VVDEILTEQ R
1286,672	-0,0064	0	65,04	3.90E-05	K	VVDEILTEQ R
1286,672	-0,0063	0	76,79	2.60E-06	K	VVDEILTEQ R
1286,672	-0,0063	0	66,94	2.60E-05	K	VVDEILTEQ R
1286,672	-0,0062	0	40,51	0,011	K	VVDEILTEQ R
1286,672	-0,0062	0	44,1	0,005	K	VVDEILTEQ R
1286,672	-0,0062	0	68,29	1.90E-05	K	VVDEILTEQ R
1286,672	-0,0062	0	66,79	2.70E-05	K	VVDEILTEQ R
1286,672	-0,0061	0	82,43	7.40E-07	K	VVDEILTEQ R
1286,672	-0,0061	0	62,78	6.80E-05	K	VVDEILTEQ R
1286,672	-0,0061	0	50,01	0,0013	K	VVDEILTEQ R
1286,672	-0,006	0	67,42	2.30E-05	K	VVDEILTEQ R
1286,672	-0,006	0	85,46	3.60E-07	K	VVDEILTEQ R
1286,672	-0,006	0	40,05	0,013	K	VVDEILTEQ R
1286,672	-0,0059	0	63,78	5.30E-05	K	VVDEILTEQ R
1286,672	-0,0058	0	57,41	0,00022	K	VVDEILTEQ R
1286,672	-0,0058	0	62,52	6.70E-05	K	VVDEILTEQ R
1286,672	-0,0057	0	62,74	6.40E-05	K	VVDEILTEQ R
1286,672	-0,0057	0	82,54	6.70E-07	K	VVDEILTEQ R
1286,672	-0,0056	0	70,16	1.20E-05	K	VVDEILTEQ R
1286,672	-0,0055	0	92,85	6.20E-08	K	VVDEILTEQ R
1286,672	-0,0054	0	62,17	7.30E-05	K	VVDEILTEQ R
1286,672	-0,0054	0	85,79	3.20E-07	K	VVDEILTEQ R
1286,672	-0,0054	0	82,62	6.50E-07	K	VVDEILTEQ R
1286,672	-0,0053	0	71,89	7.70E-06	K	VVDEILTEQ R
1286,672	-0,0053	0	88,74	1.60E-07	K	VVDEILTEQ R

1286,672	-0,0052	0	85,8	3.10E-07	K	VVDEILTEQ R
1286,672	-0,0052	0	88,78	1.60E-07	K	VVDEILTEQ R
1286,672	-0,0052	0	87,37	2.20E-07	K	VVDEILTEQ R
1286,672	-0,0051	0	76,13	2.90E-06	K	VVDEILTEQ R
1286,672	-0,0051	0	67,96	1.90E-05	K	VVDEILTEQ R
1286,672	-0,005	0	41,67	0,0081	K	VVDEILTEQ R
1286,672	-0,005	0	56,46	0,00027	K	VVDEILTEQ R
1286,672	-0,005	0	85,76	3.20E-07	K	VVDEILTEQ R
1286,672	-0,005	0	45,54	0,0033	K	VVDEILTEQ R
1286,672	-0,0047	0	69,53	1.30E-05	K	VVDEILTEQ R
1286,672	-0,0047	0	89,78	1.20E-07	K	VVDEILTEQ R
1286,672	-0,0047	0	75,53	3.30E-06	K	VVDEILTEQ R
1286,672	-0,0047	0	63,06	5.80E-05	K	VVDEILTEQ R
1286,672	-0,0046	0	75,96	3.00E-06	K	VVDEILTEQ R
1286,672	-0,0046	0	79,09	1.40E-06	K	VVDEILTEQ R
1286,672	-0,0046	0	74,67	4.00E-06	K	VVDEILTEQ R
1286,672	-0,0046	0	89,37	1.40E-07	K	VVDEILTEQ R
1286,672	-0,0044	0	85,22	3.50E-07	K	VVDEILTEQ R
1286,672	-0,0043	0	72,04	7.30E-06	K	VVDEILTEQ R
1286,672	-0,0043	0	61,37	8.60E-05	K	VVDEILTEQ R
1286,672	-0,0042	0	71,33	8.60E-06	K	VVDEILTEQ R
1286,672	-0,0042	0	71,8	7.70E-06	K	VVDEILTEQ R
1286,672	-0,0042	0	57,51	0,00021	K	VVDEILTEQ R
1286,672	-0,0042	0	49,68	0,0013	K	VVDEILTEQ R
1286,672	-0,0041	0	78,56	1.60E-06	K	VVDEILTEQ R
1286,672	-0,004	0	54,57	0,00043	K	VVDEILTEQ R
1286,672	-0,0039	0	85,79	3.20E-07	K	VVDEILTEQ R
1286,672	-0,0039	0	89,26	1.50E-07	K	VVDEILTEQ R
1286,672	-0,0036	0	45,41	0,0035	K	VVDEILTEQ R
1286,672	-0,0035	0	90,52	1.10E-07	K	VVDEILTEQ R
1286,672	-0,0035	0	82,05	7.60E-07	K	VVDEILTEQ R
1286,672	-0,0033	0	87,95	2.00E-07	K	VVDEILTEQ R
1286,672	-0,0024	0	85,82	3.20E-07	K	VVDEILTEQ R
1286,672	-0,0015	0	43,67	0,005	K	VVDEILTEQ R
1286,672	-0,0014	0	82,23	7.00E-07	K	VVDEILTEQ R
1286,672	-0,0008	0	75	3.70E-06	K	VVDEILTEQ R
1286,672	-0,0004	0	85,51	3.30E-07	K	VVDEILTEQ R
1286,672	0,0012	0	85,66	3.20E-07	K	VVDEILTEQ R
1286,672	0,0015	0	95,87	3.00E-08	K	VVDEILTEQ R
1290,605	-0,0105	1	44,48	0,0024	R	LLRDENDA -
1290,605	-0,0091	1	52,93	0,00033	R	LLRDENDA -
1290,605	-0,006	1	58,33	0,0001	R	LLRDENDA -
1290,605	-0,0056	1	60,52	6.00E-05	R	LLRDENDA -
1290,605	-0,0045	1	52,28	0,00041	R	LLRDENDA -
1290,605	-0,0036	1	57,51	0,00013	R	LLRDENDA -
1291,606	-0,0104	1	54,56	0,0001	L	GNRQYEHF V
1292,672	-0,0084	2	55,78	0,00027	A	LAEEAKAR\A
1296,545	-0,0106	0	40,81	0,00099	Q	CIEDDFNA\ E

1296,545	-0,01	0	58,46	1.70E-05	Q	CIEDDFNA'E
1296,545	-0,0083	0	74,88	4.10E-07	Q	CIEDDFNA'E
1296,545	-0,0063	0	34,24	0,0052	Q	CIEDDFNA'E
1309,64	-0,0092	2	44,26	0,0015	E	DEEYEEKLI'E
1309,64	-0,0056	2	44,68	0,0015	E	DEEYEEKLI'E
1309,64	-0,0052	2	56,89	8.40E-05	E	DEEYEEKLI'E
1309,64	-0,0046	2	50,33	0,00037	E	DEEYEEKLI'E
1309,64	-0,0023	2	42,36	0,0026	E	DEEYEEKLI'E
1309,64	-0,001	2	54,68	0,00015	E	DEEYEEKLI'E
1310,588	-0,0114	1	35,42	0,0092	A	EDEEYEEKI'K
1310,588	-0,0068	1	49,08	0,00045	A	EDEEYEEKI'K
1310,626	-0,0141	1	54,52	0,00025	G	EPTDNAAR'W
1313,625	-0,0129	0	53,81	0,00012	F	FGTQTGTAI'A
1313,625	-0,0099	0	50,54	0,00027	F	FGTQTGTAI'A
1313,625	-0,0093	0	53,19	0,00014	F	FGTQTGTAI'A
1313,625	-0,0092	0	51,93	0,00019	F	FGTQTGTAI'A
1313,625	-0,0087	0	43,46	0,0013	F	FGTQTGTAI'A
1313,625	-0,0075	0	38,47	0,0045	F	FGTQTGTAI'A
1313,625	-0,0071	0	56,22	7.60E-05	F	FGTQTGTAI'A
1313,625	-0,007	0	57,52	5.60E-05	F	FGTQTGTAI'A
1313,625	-0,0067	0	47,4	0,00057	F	FGTQTGTAI'A
1313,625	-0,006	0	46,55	0,00069	F	FGTQTGTAI'A
1313,625	-0,0059	0	52,87	0,00016	F	FGTQTGTAI'A
1313,625	-0,0059	0	48,79	0,00041	F	FGTQTGTAI'A
1313,625	-0,0057	0	57,18	5.80E-05	F	FGTQTGTAI'A
1313,625	-0,0051	0	61,44	2.30E-05	F	FGTQTGTAI'A
1313,625	-0,0044	0	62,85	1.70E-05	F	FGTQTGTAI'A
1313,625	-0,0004	0	59,83	3.50E-05	F	FGTQTGTAI'A
1313,625	0,0013	0	55,56	9.30E-05	F	FGTQTGTAI'A
1329,678	-0,0128	0	56,37	0,00012	R	EAAAAVAI'A
1329,678	-0,012	0	43,17	0,0026	R	EAAAAVAI'A
1329,678	-0,0115	0	41,53	0,0037	R	EAAAAVAI'A
1329,678	-0,0111	0	40,65	0,0047	R	EAAAAVAI'A
1329,678	-0,011	0	53,71	0,00023	R	EAAAAVAI'A
1329,678	-0,0106	0	83,65	2.30E-07	R	EAAAAVAI'A
1329,678	-0,0103	0	40,88	0,0044	R	EAAAAVAI'A
1329,678	-0,0102	0	42,74	0,0029	R	EAAAAVAI'A
1329,678	-0,0095	0	54,58	0,00019	R	EAAAAVAI'A
1329,678	-0,0094	0	48,61	0,00074	R	EAAAAVAI'A
1329,678	-0,0093	0	74,14	2.10E-06	R	EAAAAVAI'A
1329,678	-0,0091	0	63,87	2.20E-05	R	EAAAAVAI'A
1329,678	-0,0091	0	44,4	0,002	R	EAAAAVAI'A
1329,678	-0,009	0	50,87	0,00044	R	EAAAAVAI'A
1329,678	-0,009	0	37,94	0,0086	R	EAAAAVAI'A
1329,678	-0,0086	0	47,2	0,0011	R	EAAAAVAI'A
1329,678	-0,0077	0	47,65	0,001	R	EAAAAVAI'A
1329,678	-0,007	0	61,38	4.20E-05	R	EAAAAVAI'A
1329,678	-0,007	0	43,78	0,0024	R	EAAAAVAI'A

1329,678	-0,0069	0	62,27	3.40E-05	R	EAAAAVA A
1329,678	-0,0066	0	71,82	3.80E-06	R	EAAAAVA A
1329,678	-0,0065	0	86,49	1.30E-07	R	EAAAAVA A
1329,678	-0,0064	0	57,77	9.60E-05	R	EAAAAVA A
1329,678	-0,0064	0	82,9	2.90E-07	R	EAAAAVA A
1329,678	-0,0063	0	82,35	3.30E-07	R	EAAAAVA A
1329,678	-0,0061	0	91,43	4.10E-08	R	EAAAAVA A
1329,678	-0,006	0	66,56	1.30E-05	R	EAAAAVA A
1329,678	-0,006	0	69,73	6.10E-06	R	EAAAAVA A
1329,678	-0,006	0	46,39	0,0013	R	EAAAAVA A
1329,678	-0,006	0	84,66	2.00E-07	R	EAAAAVA A
1329,678	-0,0059	0	54,73	0,00019	R	EAAAAVA A
1329,678	-0,0058	0	36,39	0,013	R	EAAAAVA A
1329,678	-0,0057	0	46,66	0,0012	R	EAAAAVA A
1329,678	-0,0057	0	68,22	8.70E-06	R	EAAAAVA A
1329,678	-0,0056	0	61,07	4.50E-05	R	EAAAAVA A
1329,678	-0,0055	0	58,98	7.30E-05	R	EAAAAVA A
1329,678	-0,0055	0	42,6	0,0032	R	EAAAAVA A
1329,678	-0,0055	0	74,14	2.20E-06	R	EAAAAVA A
1329,678	-0,0054	0	76,7	1.20E-06	R	EAAAAVA A
1329,678	-0,0054	0	93,97	2.30E-08	R	EAAAAVA A
1329,678	-0,0053	0	39,28	0,0068	R	EAAAAVA A
1329,678	-0,0053	0	81,47	4.10E-07	R	EAAAAVA A
1329,678	-0,0052	0	53,48	0,00026	R	EAAAAVA A
1329,678	-0,0052	0	75,04	1.80E-06	R	EAAAAVA A
1329,678	-0,0052	0	78,6	7.80E-07	R	EAAAAVA A
1329,678	-0,0051	0	63,75	2.30E-05	R	EAAAAVA A
1329,678	-0,0051	0	92,13	3.30E-08	R	EAAAAVA A
1329,678	-0,0051	0	85,53	1.50E-07	R	EAAAAVA A
1329,678	-0,005	0	74,14	2.10E-06	R	EAAAAVA A
1329,678	-0,005	0	76,35	1.20E-06	R	EAAAAVA A
1329,678	-0,005	0	67,73	9.00E-06	R	EAAAAVA A
1329,678	-0,005	0	94,21	2.00E-08	R	EAAAAVA A
1329,678	-0,0049	0	53,35	0,00025	R	EAAAAVA A
1329,678	-0,0049	0	35,97	0,013	R	EAAAAVA A
1329,678	-0,0049	0	75,3	1.60E-06	R	EAAAAVA A
1329,678	-0,0048	0	76,86	1.10E-06	R	EAAAAVA A
1329,678	-0,0048	0	59,54	5.90E-05	R	EAAAAVA A
1329,678	-0,0048	0	73,06	2.60E-06	R	EAAAAVA A
1329,678	-0,0048	0	84,5	1.90E-07	R	EAAAAVA A
1329,678	-0,0047	0	74,39	1.90E-06	R	EAAAAVA A
1329,678	-0,0047	0	58,03	8.40E-05	R	EAAAAVA A
1329,678	-0,0047	0	69,3	6.30E-06	R	EAAAAVA A
1329,678	-0,0047	0	60,59	4.70E-05	R	EAAAAVA A
1329,678	-0,0045	0	69,9	6.00E-06	R	EAAAAVA A
1329,678	-0,0045	0	86,88	1.20E-07	R	EAAAAVA A
1329,678	-0,0044	0	77,42	1.10E-06	R	EAAAAVA A
1329,678	-0,0043	0	68,07	9.00E-06	R	EAAAAVA A



1329,678	-0,0043	0	90,52	5.10E-08	R	EAAAAVA A
1329,678	-0,0043	0	65,3	1.70E-05	R	EAAAAVA A
1329,678	-0,0042	0	52,73	0,00031	R	EAAAAVA A
1329,678	-0,0042	0	47,39	0,0011	R	EAAAAVA A
1329,678	-0,0041	0	69,81	6.00E-06	R	EAAAAVA A
1329,678	-0,0041	0	75,39	1.70E-06	R	EAAAAVA A
1329,678	-0,0041	0	76,89	1.20E-06	R	EAAAAVA A
1329,678	-0,0041	0	42,28	0,0034	R	EAAAAVA A
1329,678	-0,004	0	51,43	0,00042	R	EAAAAVA A
1329,678	-0,0038	0	64,96	1.90E-05	R	EAAAAVA A
1329,678	-0,0037	0	45,15	0,0018	R	EAAAAVA A
1329,678	-0,0035	0	84,41	2.10E-07	R	EAAAAVA A
1329,678	-0,0035	0	66,14	1.40E-05	R	EAAAAVA A
1329,678	-0,0034	0	48,56	0,0008	R	EAAAAVA A
1329,678	-0,0034	0	63,33	2.70E-05	R	EAAAAVA A
1329,678	-0,0031	0	62,14	3.50E-05	R	EAAAAVA A
1329,678	-0,0029	0	66,7	1.20E-05	R	EAAAAVA A
1329,678	-0,0029	0	83,67	2.50E-07	R	EAAAAVA A
1329,678	-0,0028	0	50,74	0,00049	R	EAAAAVA A
1329,678	-0,0028	0	64,04	2.30E-05	R	EAAAAVA A
1329,678	-0,0026	0	66,51	1.30E-05	R	EAAAAVA A
1329,678	-0,0025	0	76,71	1.20E-06	R	EAAAAVA A
1329,678	-0,0023	0	38,33	0,0085	R	EAAAAVA A
1329,678	-0,0022	0	77,13	1.10E-06	R	EAAAAVA A
1329,678	-0,0021	0	59,22	6.90E-05	R	EAAAAVA A
1329,678	-0,0021	0	93,53	2.60E-08	R	EAAAAVA A
1329,678	-0,0019	0	62	3.70E-05	R	EAAAAVA A
1329,678	-0,0018	0	51,09	0,00045	R	EAAAAVA A
1329,678	-0,0017	0	80,74	4.90E-07	R	EAAAAVA A
1329,678	-0,0017	0	42,76	0,0031	R	EAAAAVA A
1329,678	-0,0016	0	50,32	0,00054	R	EAAAAVA A
1329,678	-0,0011	0	60,45	5.40E-05	R	EAAAAVA A
1329,678	-0,0008	0	73,9	2.40E-06	R	EAAAAVA A
1329,678	-0,0007	0	67,22	1.10E-05	R	EAAAAVA A
1329,678	0,0011	0	58,24	9.10E-05	R	EAAAAVA A
1329,678	0,0017	0	68,65	8.20E-06	R	EAAAAVA A
1329,678	0,0023	0	97,45	1.00E-08	R	EAAAAVA A
1343,705	-0,0098	1	40,59	0,0053	V	VDEILTEQ L
1343,705	-0,0088	1	50,75	0,0005	V	VDEILTEQ L
1343,705	-0,0049	1	56,94	0,00013	V	VDEILTEQ L
1343,705	-0,0044	1	49,03	0,00078	V	VDEILTEQ L
1343,705	-0,0038	1	49,99	0,00063	V	VDEILTEQ L
1343,705	-0,0035	1	62,09	3.90E-05	V	VDEILTEQ L
1343,705	-0,0033	1	47,75	0,001	V	VDEILTEQ L
1343,705	-0,0033	1	48,28	0,00093	V	VDEILTEQ L
1343,705	-0,0028	1	41,95	0,004	V	VDEILTEQ L
1343,705	-0,0027	1	44,65	0,0021	V	VDEILTEQ L
1343,705	-0,0025	1	65,97	1.60E-05	V	VDEILTEQ L

1343,705	-0,0024	1	44,38	0,0023 V	VDEILTEQC L
1343,705	-0,0023	1	55,53	0,00017 V	VDEILTEQC L
1343,705	-0,0022	1	49,39	0,0007 V	VDEILTEQC L
1343,705	-0,0022	1	48,33	0,0009 V	VDEILTEQC L
1343,705	-0,0021	1	61,15	4.70E-05 V	VDEILTEQC L
1343,705	-0,0013	1	54,79	0,00021 V	VDEILTEQC L
1356,736	-0,0112	1	60,07	0,0001 A	AAAAVAEA` A
1356,736	-0,0066	1	69,65	1.10E-05 A	AAAAVAEA` A
1363,71	-0,0076	2	48,92	0,00067 K	ALAEAKAFA
1365,58	-0,0082	0	49,31	0,0001 A	TYGDGEPTI F
1365,58	-0,0058	0	30,81	0,0073 A	TYGDGEPTI F
1367,647	-0,0093	1	34,87	0,012 D	GEPTDNAA W
1374,546	-0,0042	0	34,71	0,0017 D	YAAEDEEYI L
1381,625	-0,0127	1	44,25	0,00075 A	AEDEEYEEI K
1381,625	-0,0113	1	63,24	1.10E-05 A	AEDEEYEEI K
1381,625	-0,0109	1	56,97	4.30E-05 A	AEDEEYEEI K
1381,625	-0,0095	1	41,39	0,0016 A	AEDEEYEEI K
1381,625	-0,0092	1	61,57	1.50E-05 A	AEDEEYEEI K
1381,625	-0,0082	1	47,88	0,00038 A	AEDEEYEEI K
1404,69	-0,0077	1	49,51	0,0012 G	LGNRQYEH V
1414,767	-0,0006	1	65,14	2.90E-05 A	KVVDEILTE R
1427,773	-0,0056	1	63,85	2.40E-05 E	AAAAVAE/ A
1427,773	-0,003	1	75,16	1.70E-06 E	AAAAVAE/ A
1438,683	-0,0146	2	47,16	0,0013 A	EDEEYEEKI E
1438,683	-0,0106	2	77,06	1.40E-06 A	EDEEYEEKI E
1438,683	-0,0081	2	60,72	6.10E-05 A	EDEEYEEKI E
1438,683	-0,008	2	79,85	7.50E-07 A	EDEEYEEKI E
1438,683	-0,0075	2	88,26	1.10E-07 A	EDEEYEEKI E
1438,683	-0,0064	2	73,63	3.20E-06 A	EDEEYEEKI E
1438,683	-0,0059	2	52,65	0,0004 A	EDEEYEEKI E
1438,683	-0,0055	2	68,8	9.90E-06 A	EDEEYEEKI E
1438,683	-0,0054	2	47,99	0,0012 A	EDEEYEEKI E
1438,683	-0,0053	2	50	0,00075 A	EDEEYEEKI E
1438,683	-0,0052	2	55,97	0,00019 A	EDEEYEEKI E
1438,683	-0,0047	2	53,43	0,00035 A	EDEEYEEKI E
1438,683	-0,0046	2	67,75	1.30E-05 A	EDEEYEEKI E
1438,683	-0,0045	2	43,61	0,0033 A	EDEEYEEKI E
1438,683	-0,0038	2	41,5	0,0054 A	EDEEYEEKI E
1438,683	-0,0032	2	57,74	0,00013 A	EDEEYEEKI E
1438,683	-0,0031	2	71,42	5.50E-06 A	EDEEYEEKI E
1438,683	-0,0028	2	79,82	8.10E-07 A	EDEEYEEKI E
1438,683	-0,0007	2	39,61	0,0087 A	EDEEYEEKI E
1438,683	-0,0007	2	66,64	1.70E-05 A	EDEEYEEKI E
1438,683	0,0001	2	58,03	0,00013 A	EDEEYEEKI E
1438,683	0,0011	2	65,7	2.20E-05 A	EDEEYEEKI E
1442,773	-0,021	1	79,93	1.10E-06 K	VVDEILTEQ L
1442,773	-0,0203	1	78,43	1.50E-06 K	VVDEILTEQ L
1442,773	-0,0157	1	75,36	3.20E-06 K	VVDEILTEQ L

1442,773	-0,0148	1	76,72	2.30E-06	K	VVDEILTEQ L
1442,773	-0,0141	1	60,57	5.10E-05	K	VVDEILTEQ L
1442,773	-0,0139	1	81,72	7.20E-07	K	VVDEILTEQ L
1442,773	-0,013	1	49,29	0,0012	K	VVDEILTEQ L
1442,773	-0,0128	1	65,02	3.30E-05	K	VVDEILTEQ L
1442,773	-0,0122	1	59	0,00013	K	VVDEILTEQ L
1442,773	-0,0117	1	89,37	1.20E-07	K	VVDEILTEQ L
1442,773	-0,0116	1	79,91	1.10E-06	K	VVDEILTEQ L
1442,773	-0,0114	1	100,44	9.50E-09	K	VVDEILTEQ L
1442,773	-0,0112	1	78,48	1.50E-06	K	VVDEILTEQ L
1442,773	-0,011	1	74,24	4.00E-06	K	VVDEILTEQ L
1442,773	-0,0109	1	61,39	7.70E-05	K	VVDEILTEQ L
1442,773	-0,0109	1	65,41	3.00E-05	K	VVDEILTEQ L
1442,773	-0,0105	1	80,67	8.80E-07	K	VVDEILTEQ L
1442,773	-0,0102	1	76,36	2.40E-06	K	VVDEILTEQ L
1442,773	-0,0092	1	73,44	4.70E-06	K	VVDEILTEQ L
1442,773	-0,0091	1	40,96	0,0084	K	VVDEILTEQ L
1442,773	-0,0091	1	58,32	0,00015	K	VVDEILTEQ L
1442,773	-0,0089	1	60,97	8.30E-05	K	VVDEILTEQ L
1442,773	-0,0087	1	50,92	0,00085	K	VVDEILTEQ L
1442,773	-0,0081	1	54,3	0,00039	K	VVDEILTEQ L
1442,773	-0,008	1	39,91	0,011	K	VVDEILTEQ L
1442,773	-0,008	1	47,04	0,0021	K	VVDEILTEQ L
1442,773	-0,0071	1	73,95	4.10E-06	K	VVDEILTEQ L
1442,773	-0,0071	1	42,03	0,0064	K	VVDEILTEQ L
1442,773	-0,0071	1	61,5	7.30E-05	K	VVDEILTEQ L
1442,773	-0,007	1	59,44	0,00012	K	VVDEILTEQ L
1442,773	-0,0069	1	59,91	0,0001	K	VVDEILTEQ L
1442,773	-0,0067	1	80,83	8.40E-07	K	VVDEILTEQ L
1442,773	-0,0062	1	57,45	0,00019	K	VVDEILTEQ L
1442,773	-0,0062	1	88,73	1.40E-07	K	VVDEILTEQ L
1442,773	-0,0061	1	88,97	1.30E-07	K	VVDEILTEQ L
1442,773	-0,0059	1	75,37	3.00E-06	K	VVDEILTEQ L
1442,773	-0,0058	1	38,89	0,013	K	VVDEILTEQ L
1442,773	-0,0053	1	46,09	0,0026	K	VVDEILTEQ L
1442,773	-0,0051	1	69,31	1.20E-05	K	VVDEILTEQ L
1442,773	-0,005	1	42,44	0,006	K	VVDEILTEQ L
1442,773	-0,005	1	61,71	7.10E-05	K	VVDEILTEQ L
1442,773	-0,0048	1	67,95	1.70E-05	K	VVDEILTEQ L
1442,773	-0,0048	1	62,31	6.10E-05	K	VVDEILTEQ L
1442,773	-0,0046	1	61,7	7.00E-05	K	VVDEILTEQ L
1442,773	-0,0045	1	51,86	0,00067	K	VVDEILTEQ L
1442,773	-0,0045	1	39,68	0,011	K	VVDEILTEQ L
1442,773	-0,0044	1	71,79	6.90E-06	K	VVDEILTEQ L
1442,773	-0,0044	1	64,94	3.30E-05	K	VVDEILTEQ L
1442,773	-0,0044	1	60,96	8.40E-05	K	VVDEILTEQ L
1442,773	-0,0043	1	59,67	0,00011	K	VVDEILTEQ L
1442,773	-0,0042	1	67,75	1.70E-05	K	VVDEILTEQ L

1442,773	-0,0042	1	69,12	1.30E-05	K	VVDEILTEQ L
1442,773	-0,0039	1	47,74	0,0017	K	VVDEILTEQ L
1442,773	-0,0038	1	76,49	2.30E-06	K	VVDEILTEQ L
1442,773	-0,0035	1	56,9	0,00021	K	VVDEILTEQ L
1442,773	-0,0033	1	41,87	0,0064	K	VVDEILTEQ L
1442,773	-0,0031	1	57,79	0,00017	K	VVDEILTEQ L
1442,773	-0,0029	1	86,78	2.10E-07	K	VVDEILTEQ L
1442,773	-0,0018	1	47,31	0,0019	K	VVDEILTEQ L
1442,773	-0,0002	1	62,95	5.00E-05	K	VVDEILTEQ L
1446,706	-0,0096	2	58,1	0,00015	D	RLLRDEND -
1452,662	-0,0081	1	49,52	0,00052	Y	AAEDEEYEI K
1460,694	-0,0098	0	42,4	0,0041	V	FFGTQTGT/ A
1460,694	-0,0065	0	51,76	0,00049	V	FFGTQTGT/ A
1460,694	-0,0029	0	74,35	2.90E-06	V	FFGTQTGT/ A
1460,694	-0,0025	0	91,77	5.30E-08	V	FFGTQTGT/ A
1461,711	-0,003	1	48,75	0,00067	F	GLGNRQYE V
1475,683	-0,004	1	66,85	6.60E-06	R	FYKWFTEG G
1475,683	-0,0025	1	35,91	0,0082	R	FYKWFTEG G
1482,674	-0,0089	1	53,16	0,00022	G	DGEPTDNA W
1482,674	-0,0086	1	80,24	4.30E-07	G	DGEPTDNA W
1485,779	-0,0171	1	102,94	3.00E-09	K	REAAAAAV/ A
1485,779	-0,012	1	50,51	0,0005	K	REAAAAAV/ A
1485,779	-0,0114	1	80,98	4.50E-07	K	REAAAAAV/ A
1485,779	-0,0112	1	57	0,00011	K	REAAAAAV/ A
1485,779	-0,0103	1	106,62	1.30E-09	K	REAAAAAV/ A
1485,779	-0,0097	1	52,52	0,00031	K	REAAAAAV/ A
1485,779	-0,0091	1	64,41	2.00E-05	K	REAAAAAV/ A
1485,779	-0,0088	1	61,73	3.70E-05	K	REAAAAAV/ A
1485,779	-0,0086	1	85,42	1.50E-07	K	REAAAAAV/ A
1485,779	-0,0082	1	102,89	2.80E-09	K	REAAAAAV/ A
1485,779	-0,008	1	106,57	1.20E-09	K	REAAAAAV/ A
1485,779	-0,0078	1	93,21	2.60E-08	K	REAAAAAV/ A
1485,779	-0,0076	1	61,55	3.90E-05	K	REAAAAAV/ A
1485,779	-0,0071	1	40,97	0,0044	K	REAAAAAV/ A
1485,779	-0,0061	1	65,8	1.50E-05	K	REAAAAAV/ A
1485,779	-0,0051	1	65,78	1.40E-05	K	REAAAAAV/ A
1485,779	-0,004	1	73,07	2.70E-06	K	REAAAAAV/ A
1485,779	-0,0031	1	60,91	4.60E-05	K	REAAAAAV/ A
1485,779	-0,0026	1	80,73	4.70E-07	K	REAAAAAV/ A
1485,779	-0,0019	1	110,32	5.10E-10	K	REAAAAAV/ A
1489,573	-0,0107	0	39,84	0,00046	D	DYAAEDEE' L
1489,573	-0,0077	0	31,62	0,0028	D	DYAAEDEE' L
1489,573	-0,0032	0	27,82	0,0064	D	DYAAEDEE' L
1500,7	-0,0067	0	60,8	5.00E-05	L	NDFEYAVF/ Q
1509,72	-0,0187	2	41,25	0,0052	A	AEDEEYEEI E
1509,72	-0,0164	2	45,88	0,00091	A	AEDEEYEEI E
1509,72	-0,0154	2	41,22	0,0057	A	AEDEEYEEI E
1509,72	-0,0149	2	85,67	9.40E-08	A	AEDEEYEEI E

1509,72	-0,0148	2	65,21	1.00E-05	A	AEDEEYEEI E
1509,72	-0,0136	2	91,39	2.60E-08	A	AEDEEYEEI E
1509,72	-0,0115	2	81,68	2.40E-07	A	AEDEEYEEI E
1509,72	-0,0115	2	66,8	7.40E-06	A	AEDEEYEEI E
1509,72	-0,0108	2	40,2	0,0034	A	AEDEEYEEI E
1509,72	-0,0094	2	36,26	0,0089	A	AEDEEYEEI E
1509,72	-0,0074	2	66,28	8.70E-06	A	AEDEEYEEI E
1509,72	-0,0072	2	90,98	3.00E-08	A	AEDEEYEEI E
1509,72	-0,007	2	72,4	2.20E-06	A	AEDEEYEEI E
1509,72	-0,0069	2	42,78	0,002	A	AEDEEYEEI E
1509,72	-0,0063	2	64,16	1.50E-05	A	AEDEEYEEI E
1509,72	-0,0062	2	37,48	0,0071	A	AEDEEYEEI E
1509,72	-0,0061	2	46,76	0,00084	A	AEDEEYEEI E
1509,72	-0,0061	2	62,93	2.00E-05	A	AEDEEYEEI E
1509,72	-0,0057	2	70,19	3.90E-06	A	AEDEEYEEI E
1509,72	-0,0055	2	71,63	2.80E-06	A	AEDEEYEEI E
1509,72	-0,0048	2	40,12	0,0037	A	AEDEEYEEI E
1509,72	-0,0046	2	43,94	0,0016	A	AEDEEYEEI E
1509,72	-0,0025	2	84,28	1.60E-07	A	AEDEEYEEI E
1509,72	-0,0007	2	37,8	0,0066	A	AEDEEYEEI E
1509,72	-0,0006	2	78,02	6.30E-07	A	AEDEEYEEI E
1509,72	0,0001	2	69,79	4.30E-06	A	AEDEEYEEI E
1509,72	0,0014	2	63,49	1.90E-05	A	AEDEEYEEI E
1509,83	-0,0034	1	57,06	6.80E-05	K	EALWPELD D
1535,685	-0,0146	0	50,58	0,00015	F	VATYGDGE F
1535,685	-0,0123	0	43,43	0,00075	F	VATYGDGE F
1535,685	-0,012	0	31,38	0,012	F	VATYGDGE F
1535,685	-0,0086	0	34,02	0,0073	F	VATYGDGE F
1535,685	-0,008	0	47,22	0,00035	F	VATYGDGE F
1535,685	-0,0074	0	54,78	6.50E-05	F	VATYGDGE F
1535,685	-0,0071	0	46,7	0,00042	F	VATYGDGE F
1535,685	-0,007	0	46,81	0,00041	F	VATYGDGE F
1535,685	-0,0059	0	91,28	1.40E-08	F	VATYGDGE F
1535,685	-0,0057	0	68,69	2.60E-06	F	VATYGDGE F
1535,685	-0,0057	0	69,65	2.10E-06	F	VATYGDGE F
1535,685	-0,0051	0	84,4	6.90E-08	F	VATYGDGE F
1535,685	-0,005	0	47,05	0,00038	F	VATYGDGE F
1535,685	-0,0045	0	44,67	0,00066	F	VATYGDGE F
1535,685	-0,0045	0	99,29	2.30E-09	F	VATYGDGE F
1535,685	-0,0042	0	85,2	6.10E-08	F	VATYGDGE F
1535,685	-0,0015	0	47,49	0,00036	F	VATYGDGE F
1539,63	-0,0066	0	77,79	8.10E-08	D	DQCIEDDF E
1539,63	-0,0057	0	63,04	2.40E-06	D	DQCIEDDF E
1539,695	-0,0082	1	77,55	3.50E-07	Y	GDGEPTDN W
1539,695	-0,0063	1	112,45	1.20E-10	Y	GDGEPTDN W
1539,695	-0,0037	1	62,48	1.20E-05	Y	GDGEPTDN W
1539,695	-0,0021	1	48,54	0,0003	Y	GDGEPTDN W
1539,695	-0,0008	1	97,8	3.70E-09	Y	GDGEPTDN W

1556,816	-0,0118	1	71,38	8.30E-06	R	EAAAAVA A
1556,816	-0,0113	1	94,25	4.30E-08	R	EAAAAVA A
1556,816	-0,0105	1	68,22	1.70E-05	R	EAAAAVA A
1556,816	-0,0102	1	57,92	0,00018	R	EAAAAVA A
1556,816	-0,01	1	53,46	0,00051	R	EAAAAVA A
1556,816	-0,0094	1	81,24	8.60E-07	R	EAAAAVA A
1556,816	-0,0091	1	112,05	7.10E-10	R	EAAAAVA A
1556,816	-0,0089	1	59,3	0,00013	R	EAAAAVA A
1556,816	-0,0068	1	44,15	0,0043	R	EAAAAVA A
1556,816	-0,0021	1	108,1	1.70E-09	R	EAAAAVA A
1556,816	-0,0019	1	57,4	0,0002	R	EAAAAVA A
1559,762	-0,0083	0	54,56	0,00017	T	VFFGTQTG`A
1559,762	0,0005	0	102,31	3.00E-09	T	VFFGTQTG`A
1559,762	0,0023	0	41,28	0,0039	T	VFFGTQTG`A
1559,762	0,008	0	43,02	0,0027	T	VFFGTQTG`A
1580,757	-0,0169	2	90,24	7.00E-08	Y	AAEDEEYEI E
1580,757	-0,0161	2	59,62	8.10E-05	Y	AAEDEEYEI E
1580,757	-0,0159	2	57,5	0,00013	Y	AAEDEEYEI E
1580,757	-0,0154	2	77,06	1.50E-06	Y	AAEDEEYEI E
1580,757	-0,0144	2	54,11	0,00015	Y	AAEDEEYEI E
1580,757	-0,0113	2	65,8	2.10E-05	Y	AAEDEEYEI E
1580,757	-0,0095	2	42,55	0,0045	Y	AAEDEEYEI E
1580,757	-0,0088	2	106,46	1.80E-09	Y	AAEDEEYEI E
1580,757	-0,008	2	45,97	0,0021	Y	AAEDEEYEI E
1580,757	-0,0071	2	70,23	7.90E-06	Y	AAEDEEYEI E
1580,757	-0,0066	2	42,65	0,0046	Y	AAEDEEYEI E
1580,757	-0,0053	2	96,42	1.90E-08	Y	AAEDEEYEI E
1580,757	-0,0049	2	88,97	1.10E-07	Y	AAEDEEYEI E
1580,757	-0,0044	2	99,57	9.70E-09	Y	AAEDEEYEI E
1580,757	-0,0036	2	62,91	4.50E-05	Y	AAEDEEYEI E
1580,757	-0,0029	2	52,94	0,00046	Y	AAEDEEYEI E
1580,757	-0,0027	2	84,03	3.60E-07	Y	AAEDEEYEI E
1580,757	-0,0019	2	93,25	4.30E-08	Y	AAEDEEYEI E
1580,757	-0,0016	2	42,1	0,0055	Y	AAEDEEYEI E
1580,757	-0,0013	2	57,81	0,00015	Y	AAEDEEYEI E
1580,757	-0,001	2	106,05	2.30E-09	Y	AAEDEEYEI E
1584,872	-0,011	1	54,94	0,00026	K	VAKVVDEIL R
1584,872	-0,0084	1	41,18	0,0062	K	VAKVVDEIL R
1584,872	-0,0027	1	43,63	0,0033	K	VAKVVDEIL R
1604,6	0,0016	0	64,48	3.60E-07	L	DDYAAEDE L
1608,78	-0,0014	1	43,64	0,004	V	FGLGNRQY V
1608,78	-0,001	1	59,25	0,00011	V	FGLGNRQY V
1613,784	-0,0076	0	87,02	8.60E-08	W	LNDFEYAVI Q
1613,784	-0,0046	0	89,7	4.80E-08	W	LNDFEYAVI Q
1613,874	-0,0155	2	56,21	0,00014	R	KREAAAAA' A
1613,874	-0,0082	2	55,74	0,00015	R	KREAAAAA' A
1613,874	-0,0062	2	62,28	3.10E-05	R	KREAAAAA' A
1613,874	-0,0017	2	111,79	3.40E-10	R	KREAAAAA' A

1615,725	-0,0141	1	53,08	8.10E-05	D	YAAEDEEYI K	
1615,725	-0,0072	1	75,87	4.80E-07	D	YAAEDEEYI K	
1615,725	-0,0063	1	35,69	0,005	D	YAAEDEEYI K	
1615,725	-0,0051	1	53,46	8.80E-05	D	YAAEDEEYI K	
1615,725	-0,0051	1	55,02	6.10E-05	D	YAAEDEEYI K	
1615,725	-0,0012	1	70,98	1.60E-06	D	YAAEDEEYI K	
1615,725	0,0018	1	60,87	1.70E-05	D	YAAEDEEYI K	
1624,857	0	2	42,37	0,0054	K	EALWPELD E	
1626,883	-0,0076	1	48,82	0,0012	K	VAKVDEIL R	Acetyl (N-ter)
1626,883	-0,0007	1	42,32	0,0049	K	VAKVDEIL R	Acetyl (N-ter)
1626,883	0,0043	1	48,77	0,001	K	VAKVDEIL R	Acetyl (N-ter)
1654,657	0,0019	0	27,02	0,0093	D	DDQCIEDD E	
1660,81	-0,0088	0	93,27	4.60E-08	V	TVFFGTQTC A	
1660,81	-0,0043	0	93,81	4.10E-08	V	TVFFGTQTC A	
1660,81	0,0022	0	56,17	0,00026	V	TVFFGTQTC A	
1682,754	-0,0148	0	42,29	0,0016	F	FVATYGDG F	
1682,754	-0,0145	0	83,97	1.10E-07	F	FVATYGDG F	
1682,754	-0,0123	0	42,65	0,0015	F	FVATYGDG F	
1682,754	-0,0112	0	90,89	2.40E-08	F	FVATYGDG F	
1682,754	-0,0111	0	79,3	3.50E-07	F	FVATYGDG F	
1682,754	-0,0106	0	47,45	0,00055	F	FVATYGDG F	
1682,754	-0,0089	0	68,97	3.90E-06	F	FVATYGDG F	
1682,754	-0,0067	0	46,61	0,00071	F	FVATYGDG F	
1682,754	-0,006	0	35,69	0,0091	F	FVATYGDG F	
1682,754	-0,0057	0	43,68	0,0015	F	FVATYGDG F	
1682,754	-0,005	0	88,82	4.50E-08	F	FVATYGDG F	
1682,754	-0,0044	0	58,39	5.00E-05	F	FVATYGDG F	
1682,754	-0,0036	0	94,84	1.10E-08	F	FVATYGDG F	
1682,754	-0,0022	0	41,47	0,0027	F	FVATYGDG F	
1682,754	-0,0005	0	77,53	6.70E-07	F	FVATYGDG F	
1702,759	-0,0029	1	107,86	5.50E-10	T	YGDGEPTD W	
1702,759	-0,0022	1	115,05	1.10E-10	T	YGDGEPTD W	
1707,848	-0,0034	1	70,25	5.20E-06	A	VFGLGNRQ V	
1707,848	0,0033	1	55,98	0,00014	A	VFGLGNRQ V	
1712,917	-0,0068	2	55,77	0,00015	K	REAAAAAV/ A	
1717,684	-0,0106	0	46,76	0,00014	D	LDDYAAED L	
1717,684	-0,0092	0	45,95	0,00016	D	LDDYAAED L	
1717,684	-0,0077	0	35,75	0,0018	D	LDDYAAED L	
1717,684	-0,0073	0	37,15	0,0012	D	LDDYAAED L	
1717,684	-0,0072	0	65,34	1.90E-06	D	LDDYAAED L	
1717,684	-0,0065	0	74,76	2.20E-07	D	LDDYAAED L	
1717,684	-0,0014	0	81,85	3.90E-08	D	LDDYAAED L	
1717,684	-0,0006	0	47,21	0,00011	D	LDDYAAED L	
1717,684	-0,0004	0	34,02	0,0023	D	LDDYAAED L	
1717,684	0,001	0	82,38	3.40E-08	D	LDDYAAED L	
1717,684	0,0015	0	78,5	8.20E-08	D	LDDYAAED L	
1717,684	0,0034	0	50,3	5.10E-05	D	LDDYAAED L	
1717,684	0,0036	0	80,74	4.60E-08	D	LDDYAAED L	

1717,684	0,0082	0	77,36	1.00E-07	D	LDDYAAED L
1730,752	-0,0039	1	54,77	6.60E-05	D	DYAAEDEE' K
1730,752	-0,001	1	82,03	1.30E-07	D	DYAAEDEE' K
1730,752	-0,0001	1	69,38	2.50E-06	D	DYAAEDEE' K
1730,752	0,0012	1	101,81	1.50E-09	D	DYAAEDEE' K
1730,752	0,0053	1	72,34	1.50E-06	D	DYAAEDEE' K
1730,752	0,0061	1	108,15	4.00E-10	D	DYAAEDEE' K
1730,752	0,0065	1	48,55	0,00036	D	DYAAEDEE' K
1740,973	-0,023	2	48,72	0,0013	K	VAKVVDEIL L
1740,973	0,0002	2	76	1.30E-06	K	VAKVVDEIL L
1740,973	0,0055	2	77,34	8.50E-07	K	VAKVVDEIL L
1740,973	0,0082	2	65,4	1.30E-05	K	VAKVVDEIL L
1740,973	0,0085	2	96,09	1.10E-08	K	VAKVVDEIL L
1743,82	-0,017	2	40,26	0,0059	D	YAAEDEEYI E
1743,82	-0,0113	2	46,79	0,00068	D	YAAEDEEYI E
1743,82	-0,0055	2	41,13	0,0028	D	YAAEDEEYI E
1743,82	-0,0055	2	118,46	5.20E-11	D	YAAEDEEYI E
1743,82	-0,005	2	52,03	0,00022	D	YAAEDEEYI E
1743,82	-0,0046	2	85,2	1.10E-07	D	YAAEDEEYI E
1743,82	-0,0038	2	72,92	1.80E-06	D	YAAEDEEYI E
1743,82	-0,0034	2	95,98	9.30E-09	D	YAAEDEEYI E
1743,82	-0,0031	2	103,33	1.70E-09	D	YAAEDEEYI E
1743,82	0,0023	2	45,65	0,001	D	YAAEDEEYI E
1743,82	0,0032	2	46,72	0,00082	D	YAAEDEEYI E
1759,878	-0,0107	0	42,61	0,0031	K	VTVFFGTQ1A
1759,878	-0,0084	0	60,71	4.70E-05	K	VTVFFGTQ1A
1759,878	-0,0084	0	48,22	0,00083	K	VTVFFGTQ1A
1759,878	-0,0083	0	51,38	0,0004	K	VTVFFGTQ1A
1759,878	-0,0083	0	51,37	0,0004	K	VTVFFGTQ1A
1759,878	-0,0082	0	91,12	4.20E-08	K	VTVFFGTQ1A
1759,878	-0,0042	0	48,67	0,00078	K	VTVFFGTQ1A
1759,878	-0,0038	0	50,28	0,00055	K	VTVFFGTQ1A
1759,878	-0,0037	0	44,4	0,0021	K	VTVFFGTQ1A
1759,878	-0,0027	0	38,18	0,0087	K	VTVFFGTQ1A
1759,878	-0,0026	0	37,2	0,011	K	VTVFFGTQ1A
1759,878	-0,0023	0	48,49	0,00081	K	VTVFFGTQ1A
1759,878	-0,0023	0	50,63	0,00049	K	VTVFFGTQ1A
1759,878	-0,0021	0	56,43	0,00013	K	VTVFFGTQ1A
1759,878	-0,002	0	39,55	0,0063	K	VTVFFGTQ1A
1759,878	-0,0016	0	69,88	6.00E-06	K	VTVFFGTQ1A
1759,878	-0,0014	0	69,89	6.00E-06	K	VTVFFGTQ1A
1759,878	-0,0009	0	89,36	6.80E-08	K	VTVFFGTQ1A
1759,878	-0,0005	0	67,47	1.10E-05	K	VTVFFGTQ1A
1759,878	0,0003	0	89,24	7.20E-08	K	VTVFFGTQ1A
1759,878	0,001	0	47,54	0,001	K	VTVFFGTQ1A
1759,878	0,0013	0	52,32	0,00034	K	VTVFFGTQ1A
1759,878	0,0026	0	71,8	3.90E-06	K	VTVFFGTQ1A
1759,878	0,0026	0	51,76	0,00039	K	VTVFFGTQ1A



1759,878	0,0034	0	89,15	7.30E-08	K	VTVFFGTQ1A
1767,841	-0,0144	0	37,68	0,014	G	GSSSHHHI G
1769,684	-0,0076	0	36,34	0,0028	G	DDDQCIED E
1773,884	-0,0017	1	46,38	0,0014	D	FNAWKEAL L
1778,885	-0,0012	1	82,16	7.00E-07	Y	AVFGLGNR V
1778,885	0,0033	1	59,44	0,00013	Y	AVFGLGNR V
1782,984	-0,0042	2	63,82	2.60E-05	K	VAKVVDEIL L
1799,836	0,0066	1	40,76	0,0032	K	RLVPVGLG D
1799,863	-0,0145	0	50,86	0,00034	V	WLNDFEYA Q
1799,863	-0,0048	0	102,84	2.30E-09	V	WLNDFEYA Q
1799,863	-0,0036	0	70,51	3.90E-06	V	WLNDFEYA Q
1799,863	0,0001	0	113,29	2.20E-10	V	WLNDFEYA Q
1803,806	-0,0037	1	46,68	0,0004	A	TYGDGEPTI W
1803,806	-0,0026	1	93,37	8.60E-09	A	TYGDGEPTI W
1803,806	0,0011	1	100,76	1.70E-09	A	TYGDGEPTI W
1824,863	-0,0159	0	84,33	2.60E-07	L	GGSSHHHI G
1824,863	-0,0137	0	61,07	5.70E-05	L	GGSSHHHI G
1824,863	-0,0134	0	58,46	0,0001	L	GGSSHHHI G
1824,863	-0,0123	0	56,33	0,00017	L	GGSSHHHI G
1824,863	-0,0104	0	55,48	0,00021	L	GGSSHHHI G
1824,863	-0,0101	0	40,74	0,0063	L	GGSSHHHI G
1824,863	-0,0092	0	51,3	0,00057	L	GGSSHHHI G
1824,863	-0,0074	0	39,53	0,0089	L	GGSSHHHI G
1824,863	-0,0071	0	38,29	0,012	L	GGSSHHHI G
1824,863	-0,0056	0	74,85	2.60E-06	L	GGSSHHHI G
1824,863	-0,0054	0	68,68	1.10E-05	L	GGSSHHHI G
1824,863	-0,0037	0	48,9	0,001	L	GGSSHHHI G
1826,705	-0,0057	0	48,42	2.10E-05	L	GDDDQCIE E
1826,705	-0,0023	0	58,86	2.30E-06	L	GDDDQCIE E
1829,822	-0,0024	0	38,79	0,0028	L	FFVATYGD( F
1829,822	-0,0014	0	51,99	0,00014	L	FFVATYGD( F
1829,822	-0,0009	0	44,64	0,00077	L	FFVATYGD( F
1829,822	0,0029	0	33,8	0,0097	L	FFVATYGD( F
1829,822	0,0047	0	70,7	2.00E-06	L	FFVATYGD( F
1832,711	-0,0118	0	53,47	6.70E-06	V	DLDDYAAE L
1832,711	-0,0003	0	64,05	9.40E-07	V	DLDDYAAE L
1832,711	0,0004	0	47,28	4.60E-05	V	DLDDYAAE L
1832,711	0,0028	0	74,77	8.80E-08	V	DLDDYAAE L
1832,711	0,0032	0	73,68	1.10E-07	V	DLDDYAAE L
1832,711	0,0036	0	35,15	0,00079	V	DLDDYAAE L
1832,711	0,0049	0	87,11	5.20E-09	V	DLDDYAAE L
1832,711	0,0071	0	114,52	9.50E-12	V	DLDDYAAE L
1845,779	-0,0072	1	63,42	3.70E-06	L	DDYAAEDE K
1845,779	-0,0067	1	119,86	8.50E-12	L	DDYAAEDE K
1845,779	-0,0035	1	36,02	0,0022	L	DDYAAEDE K
1845,779	-0,0033	1	123,48	3.90E-12	L	DDYAAEDE K
1845,779	-0,002	1	53,79	3.60E-05	L	DDYAAEDE K
1845,779	-0,0015	1	50,35	8.20E-05	L	DDYAAEDE K

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1845,779	-0,0008	1	97,6	1.60E-09	L	DDYAAEDE K
1845,779	0,006	1	64,91	3.20E-06	L	DDYAAEDE K
1845,779	0,0067	1	116,79	2.10E-11	L	DDYAAEDE K
1858,847	-0,0076	2	36,46	0,0058	D	DYAAEDEE' E
1858,847	-0,0062	2	46,28	0,0011	D	DYAAEDEE' E
1858,847	-0,005	2	41,14	0,0036	D	DYAAEDEE' E
1858,847	-0,0027	2	46,5	0,0011	D	DYAAEDEE' E
1858,847	-0,0024	2	104,78	1.60E-09	D	DYAAEDEE' E
1858,847	-0,0023	2	51,78	0,00017	D	DYAAEDEE' E
1858,847	-0,0015	2	107	1.00E-09	D	DYAAEDEE' E
1858,847	-0,0012	2	98,1	7.90E-09	D	DYAAEDEE' E
1858,847	0,0021	2	44,85	0,0018	D	DYAAEDEE' E
1874,844	-0,0024	1	112,53	2.20E-10	V	ATYGDGEP W
1874,844	-0,0023	1	108,8	5.20E-10	V	ATYGDGEP W
1887,973	-0,0087	1	148,44	8.40E-14	K	KVTVFFGT( A
1887,973	-0,0071	1	80,54	5.20E-07	K	KVTVFFGT( A
1887,973	-0,0058	1	44,22	0,0023	K	KVTVFFGT( A
1887,973	-0,0054	1	46,09	0,0015	K	KVTVFFGT( A
1887,973	-0,0052	1	48,75	0,00081	K	KVTVFFGT( A
1887,973	-0,0048	1	45,52	0,0017	K	KVTVFFGT( A
1887,973	-0,0042	1	74,53	2.10E-06	K	KVTVFFGT( A
1887,973	-0,004	1	120,41	5.30E-11	K	KVTVFFGT( A
1887,973	-0,0034	1	60,17	5.70E-05	K	KVTVFFGT( A
1887,973	-0,0032	1	97,87	9.80E-09	K	KVTVFFGT( A
1887,973	-0,0031	1	45,18	0,0018	K	KVTVFFGT( A
1887,973	-0,0022	1	146,89	1.20E-13	K	KVTVFFGT( A
1887,973	-0,0016	1	96,04	1.50E-08	K	KVTVFFGT( A
1887,973	-0,001	1	125,83	1.60E-11	K	KVTVFFGT( A
1887,973	-0,0009	1	81,89	3.80E-07	K	KVTVFFGT( A
1887,973	-0,0008	1	133,52	2.60E-12	K	KVTVFFGT( A
1887,973	-0,0006	1	95,37	1.70E-08	K	KVTVFFGT( A
1887,973	-0,0005	1	59,31	6.80E-05	K	KVTVFFGT( A
1887,973	-0,0002	1	40,48	0,0052	K	KVTVFFGT( A
1887,973	-0,0001	1	44,77	0,0019	K	KVTVFFGT( A
1887,973	0,0003	1	123,34	2.70E-11	K	KVTVFFGT( A
1887,973	0,0004	1	45,9	0,0015	K	KVTVFFGT( A
1887,973	0,0006	1	47,23	0,0011	K	KVTVFFGT( A
1887,973	0,0009	1	47,9	0,00095	K	KVTVFFGT( A
1887,973	0,0011	1	37,82	0,0097	K	KVTVFFGT( A
1887,973	0,0014	1	111,92	3.80E-10	K	KVTVFFGT( A
1887,973	0,0026	1	110,39	5.20E-10	K	KVTVFFGT( A
1887,973	0,0029	1	70,89	4.70E-06	K	KVTVFFGT( A
1887,973	0,0034	1	37,31	0,01	K	KVTVFFGT( A
1887,973	0,0036	1	44,4	0,002	K	KVTVFFGT( A
1887,973	0,0076	1	52,41	0,00033	K	KVTVFFGT( A
1900,913	-0,0028	2	41,44	0,0059	W	PELDRLLR( -
1900,913	-0,0019	2	43,01	0,0042	W	PELDRLLR( -
1900,913	-0,0015	2	88,17	1.30E-07	W	PELDRLLR( -

1900,913	0,0009	2	43,79	0,0036	W	PELDRLRLR	-	
1929,984	-0,0084	1	63,28	2.70E-05	K	KVTVFFGT	C A	Acetyl (N-ter)
1929,984	-0,0083	1	40,37	0,0052	K	KVTVFFGT	C A	Acetyl (N-ter)
1931,78	0,0071	0	96,53	1.90E-09	V	VDLDDYAA	L	
1931,78	0,0091	0	85,44	2.50E-08	V	VDLDDYAA	L	
1931,78	0,01	0	76,06	2.10E-07	V	VDLDDYAA	L	
1937,947	-0,0121	0	45,57	0,0013	G	LGGSSHH	F G	
1937,947	-0,0113	0	81,98	3.00E-07	G	LGGSSHH	F G	
1937,947	-0,0101	0	61,61	3.30E-05	G	LGGSSHH	F G	
1937,947	-0,0097	0	46,67	0,001	G	LGGSSHH	F G	
1939,789	-0,0029	0	50,06	9.70E-05	G	LGDDDDQCI	E	
1939,789	-0,0024	0	85,84	2.60E-08	G	LGDDDDQCI	E	
1939,789	-0,0014	0	60,98	7.70E-06	G	LGDDDDQCI	E	
1939,789	0,0006	0	41,16	0,00073	G	LGDDDDQCI	E	
1939,789	0,0025	0	28,83	0,012	G	LGDDDDQCI	E	
1941,949	-0,001	1	44,94	0,0015	E	YAVFGLGN	V	
1941,949	-0,0008	1	85,32	1.40E-07	E	YAVFGLGN	V	
1955,953	-0,0194	0	67,06	9.10E-06	R	GVWLNDFI	Q	
1955,953	-0,0127	0	103,85	2.00E-09	R	GVWLNDFI	Q	
1955,953	-0,0099	0	58,12	7.20E-05	R	GVWLNDFI	Q	
1955,953	-0,0097	0	51,73	0,00031	R	GVWLNDFI	Q	
1955,953	-0,0089	0	65,13	1.40E-05	R	GVWLNDFI	Q	
1955,953	-0,0088	0	51,86	0,00031	R	GVWLNDFI	Q	
1955,953	-0,0082	0	91,94	3.10E-08	R	GVWLNDFI	Q	
1955,953	-0,008	0	59,59	5.30E-05	R	GVWLNDFI	Q	
1955,953	-0,008	0	63,67	2.10E-05	R	GVWLNDFI	Q	
1955,953	-0,0075	0	63,6	2.10E-05	R	GVWLNDFI	Q	
1955,953	-0,0065	0	48,88	0,00062	R	GVWLNDFI	Q	
1955,953	-0,0058	0	56,25	0,00011	R	GVWLNDFI	Q	
1955,953	-0,0054	0	64,62	1.70E-05	R	GVWLNDFI	Q	
1955,953	-0,0051	0	40,74	0,0041	R	GVWLNDFI	Q	
1955,953	-0,0043	0	96,8	1.00E-08	R	GVWLNDFI	Q	
1955,953	-0,0038	0	84,63	1.70E-07	R	GVWLNDFI	Q	
1955,953	-0,0038	0	38,39	0,0072	R	GVWLNDFI	Q	
1955,953	-0,0024	0	103,94	2.00E-09	R	GVWLNDFI	Q	
1955,953	-0,0022	0	52,24	0,0003	R	GVWLNDFI	Q	
1955,953	-0,0015	0	120,11	4.90E-11	R	GVWLNDFI	Q	
1955,953	-0,0011	0	82,51	2.80E-07	R	GVWLNDFI	Q	
1955,953	-0,0011	0	138,11	7.80E-13	R	GVWLNDFI	Q	
1955,953	-0,0001	0	112,02	3.20E-10	R	GVWLNDFI	Q	
1958,863	-0,0035	1	43,46	0,0011	D	LDDYAAED	K	
1958,863	-0,0029	1	54,38	9.20E-05	D	LDDYAAED	K	
1958,863	-0,0029	1	75,21	7.60E-07	D	LDDYAAED	K	
1958,863	0,0023	1	91,16	2.10E-08	D	LDDYAAED	K	
1958,863	0,0062	1	53,27	0,00014	D	LDDYAAED	K	
1973,874	-0,0184	2	33,14	0,0066	L	DDYAAEDE	E	
1973,874	-0,018	2	58,91	1.50E-05	L	DDYAAEDE	E	
1973,874	-0,0174	2	34,81	0,0046	L	DDYAAEDE	E	

1973,874	-0,0085	2	43,54	0,00064	L	DDYAAEDE E
1973,874	-0,0073	2	81,54	1.10E-07	L	DDYAAEDE E
1973,874	-0,0071	2	46,52	0,00034	L	DDYAAEDE E
1973,874	-0,0067	2	142,49	8.90E-14	L	DDYAAEDE E
1973,874	-0,0063	2	46,55	0,00035	L	DDYAAEDE E
1973,874	-0,006	2	108,41	2.30E-10	L	DDYAAEDE E
1973,874	-0,0053	2	127,91	2.60E-12	L	DDYAAEDE E
1973,874	-0,0048	2	108,42	2.30E-10	L	DDYAAEDE E
1973,874	-0,0047	2	117,43	2.90E-11	L	DDYAAEDE E
1973,874	-0,0045	2	45,39	0,00046	L	DDYAAEDE E
1973,874	-0,0042	2	35,47	0,0045	L	DDYAAEDE E
1973,874	-0,0039	2	134,44	5.70E-13	L	DDYAAEDE E
1973,874	-0,0032	2	138,48	2.30E-13	L	DDYAAEDE E
1973,874	-0,0006	2	55,02	5.40E-05	L	DDYAAEDE E
1973,874	0,0011	2	146,33	4.20E-14	L	DDYAAEDE E
1973,874	0,0027	2	35,21	0,0055	L	DDYAAEDE E
1973,874	0,0029	2	35,84	0,0048	L	DDYAAEDE E
1973,874	0,0037	2	33,93	0,0074	L	DDYAAEDE E
1973,874	0,0164	2	33,39	0,01	L	DDYAAEDE E
1973,912	-0,0023	1	147,51	5.40E-14	F	VATYGDGE W
1973,912	-0,0014	1	77,4	5.50E-07	F	VATYGDGE W
1994,968	-0,0139	0	73,74	2.10E-06	G	GLGGSSH† G
1994,968	-0,0053	0	70,11	5.00E-06	G	GLGGSSH† G
1994,968	-0,0042	0	77,13	9.60E-07	G	GLGGSSH† G
1996,811	-0,0053	0	95,11	1.10E-09	V	GLGDDDQ† E
1996,811	-0,0047	0	118,72	5.20E-12	V	GLGDDDQ† E
1996,811	-0,0034	0	94,81	1.40E-09	V	GLGDDDQ† E
1996,811	-0,0019	0	92,16	2.60E-09	V	GLGDDDQ† E
2016,068	-0,02	2	62,2	3.40E-05	R	KKVTVFFG† A
2016,068	-0,015	2	61,06	4.50E-05	R	KKVTVFFG† A
2016,068	0,0061	2	66,85	1.00E-05	R	KKVTVFFG† A
2016,068	0,012	2	84,24	1.80E-07	R	KKVTVFFG† A
2030,848	-0,0289	0	139,58	4.00E-14	K	VVDLDDYA L
2030,848	-0,0215	0	132,42	2.40E-13	K	VVDLDDYA L
2030,848	-0,0195	0	77,38	8.00E-08	K	VVDLDDYA L
2030,848	-0,0188	0	27,66	0,0075	K	VVDLDDYA L
2030,848	-0,0183	0	54,37	1.60E-05	K	VVDLDDYA L
2030,848	-0,0164	0	135,83	1.20E-13	K	VVDLDDYA L
2030,848	-0,0163	0	66,97	9.40E-07	K	VVDLDDYA L
2030,848	-0,016	0	35,1	0,0015	K	VVDLDDYA L
2030,848	-0,0155	0	30,62	0,004	K	VVDLDDYA L
2030,848	-0,0148	0	60,72	4.10E-06	K	VVDLDDYA L
2030,848	-0,0142	0	48,27	7.40E-05	K	VVDLDDYA L
2030,848	-0,0133	0	132,39	3.00E-13	K	VVDLDDYA L
2030,848	-0,013	0	143,96	2.10E-14	K	VVDLDDYA L
2030,848	-0,0128	0	32,79	0,0028	K	VVDLDDYA L
2030,848	-0,0126	0	30,11	0,0052	K	VVDLDDYA L
2030,848	-0,0126	0	52,26	3.20E-05	K	VVDLDDYA L

2030,848	-0,0126	0	52,14	3.30E-05	K	VVDLDDYA L
2030,848	-0,0125	0	49,64	5.80E-05	K	VVDLDDYA L
2030,848	-0,0125	0	33,79	0,0022	K	VVDLDDYA L
2030,848	-0,0123	0	77,7	9.10E-08	K	VVDLDDYA L
2030,848	-0,0106	0	57,39	9.90E-06	K	VVDLDDYA L
2030,848	-0,0103	0	40,01	0,00055	K	VVDLDDYA L
2030,848	-0,0102	0	53,29	2.60E-05	K	VVDLDDYA L
2030,848	-0,0098	0	50,39	5.20E-05	K	VVDLDDYA L
2030,848	-0,0098	0	41,22	0,00043	K	VVDLDDYA L
2030,848	-0,0096	0	40,19	0,00055	K	VVDLDDYA L
2030,848	-0,0095	0	129,03	7.20E-13	K	VVDLDDYA L
2030,848	-0,0093	0	132,22	3.50E-13	K	VVDLDDYA L
2030,848	-0,0088	0	56,02	1.50E-05	K	VVDLDDYA L
2030,848	-0,0088	0	132,4	3.40E-13	K	VVDLDDYA L
2030,848	-0,0087	0	30,69	0,0051	K	VVDLDDYA L
2030,848	-0,0077	0	43,55	0,00026	K	VVDLDDYA L
2030,848	-0,0076	0	37,37	0,0011	K	VVDLDDYA L
2030,848	-0,0074	0	39,65	0,00064	K	VVDLDDYA L
2030,848	-0,0073	0	83,93	2.40E-08	K	VVDLDDYA L
2030,848	-0,0068	0	116,16	1.50E-11	K	VVDLDDYA L
2030,848	-0,0063	0	101,3	4.70E-10	K	VVDLDDYA L
2030,848	-0,0063	0	66,1	1.60E-06	K	VVDLDDYA L
2030,848	-0,0062	0	60,5	5.70E-06	K	VVDLDDYA L
2030,848	-0,006	0	39,94	0,00064	K	VVDLDDYA L
2030,848	-0,0057	0	131,15	4.80E-13	K	VVDLDDYA L
2030,848	-0,0057	0	132,53	3.50E-13	K	VVDLDDYA L
2030,848	-0,0057	0	90,04	6.20E-09	K	VVDLDDYA L
2030,848	-0,0056	0	64,08	2.50E-06	K	VVDLDDYA L
2030,848	-0,0054	0	56,28	1.50E-05	K	VVDLDDYA L
2030,848	-0,0052	0	56,91	1.30E-05	K	VVDLDDYA L
2030,848	-0,0052	0	47,03	0,00013	K	VVDLDDYA L
2030,848	-0,005	0	55,71	1.70E-05	K	VVDLDDYA L
2030,848	-0,0049	0	99,69	6.80E-10	K	VVDLDDYA L
2030,848	-0,0048	0	60,73	5.40E-06	K	VVDLDDYA L
2030,848	-0,0047	0	103,28	3.00E-10	K	VVDLDDYA L
2030,848	-0,0047	0	102,37	3.70E-10	K	VVDLDDYA L
2030,848	-0,004	0	131,33	4.70E-13	K	VVDLDDYA L
2030,848	-0,0038	0	44,77	0,00022	K	VVDLDDYA L
2030,848	-0,0037	0	127,24	1.30E-12	K	VVDLDDYA L
2030,848	-0,0036	0	118,65	9.10E-12	K	VVDLDDYA L
2030,848	-0,0036	0	125,76	1.80E-12	K	VVDLDDYA L
2030,848	-0,0035	0	97,96	1.00E-09	K	VVDLDDYA L
2030,848	-0,0034	0	47,81	0,00011	K	VVDLDDYA L
2030,848	-0,0034	0	59,31	7.70E-06	K	VVDLDDYA L
2030,848	-0,0033	0	32,89	0,0034	K	VVDLDDYA L
2030,848	-0,0032	0	121,92	4.20E-12	K	VVDLDDYA L
2030,848	-0,0031	0	59,32	7.70E-06	K	VVDLDDYA L
2030,848	-0,0031	0	34,39	0,0024	K	VVDLDDYA L

2030,848	-0,003	0	125,29	1.90E-12	K	VVDLDDYA L
2030,848	-0,0029	0	109,51	7.40E-11	K	VVDLDDYA L
2030,848	-0,0029	0	101,44	4.70E-10	K	VVDLDDYA L
2030,848	-0,0027	0	101,28	4.90E-10	K	VVDLDDYA L
2030,848	-0,0027	0	92,33	3.80E-09	K	VVDLDDYA L
2030,848	-0,0025	0	87,57	1.20E-08	K	VVDLDDYA L
2030,848	-0,0024	0	102,96	3.30E-10	K	VVDLDDYA L
2030,848	-0,0023	0	64,44	2.40E-06	K	VVDLDDYA L
2030,848	-0,0023	0	117,14	1.30E-11	K	VVDLDDYA L
2030,848	-0,0021	0	133,43	3.00E-13	K	VVDLDDYA L
2030,848	-0,002	0	92,44	3.80E-09	K	VVDLDDYA L
2030,848	-0,0019	0	106,47	1.50E-10	K	VVDLDDYA L
2030,848	-0,0019	0	142,98	3.40E-14	K	VVDLDDYA L
2030,848	-0,0018	0	117,08	1.30E-11	K	VVDLDDYA L
2030,848	-0,0018	0	74,46	2.40E-07	K	VVDLDDYA L
2030,848	-0,0017	0	128,91	8.70E-13	K	VVDLDDYA L
2030,848	-0,0015	0	118,5	9.60E-12	K	VVDLDDYA L
2030,848	-0,0013	0	73,26	3.20E-07	K	VVDLDDYA L
2030,848	-0,0013	0	110,71	5.80E-11	K	VVDLDDYA L
2030,848	-0,001	0	118,74	9.20E-12	K	VVDLDDYA L
2030,848	-0,001	0	80,72	5.80E-08	K	VVDLDDYA L
2030,848	-0,001	0	132,24	4.10E-13	K	VVDLDDYA L
2030,848	-0,0009	0	122,47	3.90E-12	K	VVDLDDYA L
2030,848	-0,0008	0	40,87	0,00056	K	VVDLDDYA L
2030,848	-0,0007	0	104,45	2.50E-10	K	VVDLDDYA L
2030,848	-0,0007	0	113,3	3.20E-11	K	VVDLDDYA L
2030,848	-0,0006	0	122,15	4.20E-12	K	VVDLDDYA L
2030,848	-0,0006	0	123,47	3.10E-12	K	VVDLDDYA L
2030,848	-0,0003	0	64,86	2.30E-06	K	VVDLDDYA L
2030,848	-0,0001	0	67,12	1.40E-06	K	VVDLDDYA L
2030,848	0	0	41,1	0,00055	K	VVDLDDYA L
2030,848	0,0006	0	83,86	3.10E-08	K	VVDLDDYA L
2030,848	0,0014	0	55,78	2.10E-05	K	VVDLDDYA L
2030,848	0,0016	0	53,55	3.50E-05	K	VVDLDDYA L
2030,848	0,0019	0	31,43	0,0058	K	VVDLDDYA L
2030,848	0,0023	0	78,97	1.00E-07	K	VVDLDDYA L
2030,848	0,0025	0	125,35	2.40E-12	K	VVDLDDYA L
2030,848	0,0032	0	134,79	2.80E-13	K	VVDLDDYA L
2030,848	0,0042	0	90,43	7.90E-09	K	VVDLDDYA L
2030,848	0,006	0	88,62	1.30E-08	K	VVDLDDYA L
2030,848	0,006	0	120,52	8.20E-12	K	VVDLDDYA L
2030,848	0,0073	0	86,83	1.90E-08	K	VVDLDDYA L
2030,848	0,0082	0	123,81	4.20E-12	K	VVDLDDYA L
2030,848	0,0083	0	101,08	7.90E-10	K	VVDLDDYA L
2030,848	0,0085	0	29,52	0,011	K	VVDLDDYA L
2030,848	0,0114	0	31,97	0,007	K	VVDLDDYA L
2030,848	0,013	0	54,78	3.80E-05	K	VVDLDDYA L
2051,99	-0,0113	0	49,97	0,00048	G	GGLGGSST G

2051,99	-0,0097	0	55,28	0,00014	G	GGLGGSST G
2051,99	-0,0092	0	64,8	1.60E-05	G	GGLGGSST G
2051,99	-0,0046	0	49,61	0,00052	G	GGLGGSST G
2051,99	-0,0027	0	49,03	0,00062	G	GGLGGSST G
2051,99	0,0062	0	40,44	0,0048	G	GGLGGSST G
2070,991	-0,0171	1	39,71	0,0077	F	EYAVFGLG  V
2073,89	-0,0087	1	44,55	0,00042	V	DLDDYAAE K
2073,89	-0,0067	1	143,99	4.90E-14	V	DLDDYAAE K
2073,89	-0,0067	1	37,59	0,0021	V	DLDDYAAE K
2073,89	-0,0065	1	36,74	0,0026	V	DLDDYAAE K
2073,89	-0,0055	1	30,74	0,01	V	DLDDYAAE K
2073,89	-0,0049	1	79,58	1.30E-07	V	DLDDYAAE K
2073,89	-0,0048	1	78,06	1.90E-07	V	DLDDYAAE K
2073,89	-0,0048	1	69,84	1.30E-06	V	DLDDYAAE K
2073,89	-0,0047	1	63,88	5.00E-06	V	DLDDYAAE K
2073,89	-0,0045	1	76,19	3.00E-07	V	DLDDYAAE K
2073,89	-0,0039	1	111,86	8.10E-11	V	DLDDYAAE K
2073,89	-0,0037	1	135,78	3.30E-13	V	DLDDYAAE K
2073,89	-0,0024	1	34,28	0,0046	V	DLDDYAAE K
2073,89	-0,0022	1	111,46	8.70E-11	V	DLDDYAAE K
2073,89	-0,002	1	128,48	1.70E-12	V	DLDDYAAE K
2073,89	0,001	1	103,45	5.50E-10	V	DLDDYAAE K
2073,89	0,0012	1	39,65	0,0013	V	DLDDYAAE K
2073,89	0,002	1	31,88	0,0079	V	DLDDYAAE K
2073,89	0,0025	1	49,38	0,00014	V	DLDDYAAE K
2086,958	-0,0168	2	98,47	3.20E-09	D	LDDYAAED E
2086,958	-0,0061	2	55,54	7.30E-05	D	LDDYAAED E
2086,958	-0,0047	2	79,83	5.10E-07	D	LDDYAAED E
2086,958	-0,0045	2	94,61	9.40E-09	D	LDDYAAED E
2086,958	-0,0043	2	124,52	1.70E-11	D	LDDYAAED E
2086,958	-0,0043	2	43,56	0,0012	D	LDDYAAED E
2086,958	-0,0031	2	81,45	2.00E-07	D	LDDYAAED E
2086,958	-0,0017	2	89,47	3.10E-08	D	LDDYAAED E
2086,958	0,0003	2	99,39	6.10E-09	D	LDDYAAED E
2086,958	0,0025	2	43,15	0,0026	D	LDDYAAED E
2086,958	0,0043	2	67,66	9.40E-06	D	LDDYAAED E
2086,958	0,0045	2	106,23	1.30E-09	D	LDDYAAED E
2095,879	0,0015	0	77,03	2.10E-07	P	VGLGDDDC E
2109,011	-0,0235	0	44,89	0,0012	G	GGGLGGS G
2109,011	-0,0125	0	98,26	6.30E-09	G	GGGLGGS G
2109,011	-0,0117	0	56,05	0,00011	G	GGGLGGS G
2109,011	-0,0098	0	51,82	0,00028	G	GGGLGGS G
2109,011	-0,0049	0	71,29	3.30E-06	G	GGGLGGS G
2109,011	-0,0014	0	66,96	9.30E-06	G	GGGLGGS G
2120,98	-0,0061	1	61,33	3.80E-05	F	FVATYGDG W
2120,98	-0,004	1	123,16	2.60E-11	F	FVATYGDG W
2120,98	-0,004	1	48,93	0,00039	F	FVATYGDG W
2120,98	0,0014	1	55,29	0,00017	F	FVATYGDG W

2127,027	-0,0198	0	48,71	0,001	K	LALFFVATY F
2127,027	-0,0161	0	66,21	1.90E-05	K	LALFFVATY F
2127,027	-0,0139	0	64,67	2.70E-05	K	LALFFVATY F
2127,027	-0,0131	0	43,11	0,004	K	LALFFVATY F
2127,027	-0,0129	0	75,28	2.40E-06	K	LALFFVATY F
2127,027	-0,0121	0	61,79	5.30E-05	K	LALFFVATY F
2127,027	-0,0119	0	62,39	4.70E-05	K	LALFFVATY F
2127,027	-0,0111	0	77,68	1.40E-06	K	LALFFVATY F
2127,027	-0,0103	0	64,94	2.60E-05	K	LALFFVATY F
2127,027	-0,01	0	69,06	1.00E-05	K	LALFFVATY F
2127,027	-0,0099	0	83,04	4.10E-07	K	LALFFVATY F
2127,027	-0,0097	0	79,85	8.60E-07	K	LALFFVATY F
2127,027	-0,0095	0	87,7	1.40E-07	K	LALFFVATY F
2127,027	-0,0088	0	88,76	1.10E-07	K	LALFFVATY F
2127,027	-0,0087	0	60,31	7.90E-05	K	LALFFVATY F
2127,027	-0,0087	0	69,19	1.00E-05	K	LALFFVATY F
2127,027	-0,0085	0	67,15	1.60E-05	K	LALFFVATY F
2127,027	-0,0083	0	67,23	1.60E-05	K	LALFFVATY F
2127,027	-0,0078	0	81,17	6.40E-07	K	LALFFVATY F
2127,027	-0,0076	0	55,25	0,00025	K	LALFFVATY F
2127,027	-0,0064	0	44,44	0,0031	K	LALFFVATY F
2127,027	-0,0062	0	43,44	0,0039	K	LALFFVATY F
2127,027	-0,006	0	108,98	1.10E-09	K	LALFFVATY F
2127,027	-0,006	0	79,2	1.10E-06	K	LALFFVATY F
2127,027	-0,0059	0	86,53	2.00E-07	K	LALFFVATY F
2127,027	-0,0058	0	60,16	8.40E-05	K	LALFFVATY F
2127,027	-0,0057	0	51,49	0,00062	K	LALFFVATY F
2127,027	-0,0056	0	58,56	0,00012	K	LALFFVATY F
2127,027	-0,0051	0	65,78	2.30E-05	K	LALFFVATY F
2127,027	-0,005	0	67,54	1.50E-05	K	LALFFVATY F
2127,027	-0,005	0	90,61	7.60E-08	K	LALFFVATY F
2127,027	-0,0048	0	69,8	9.20E-06	K	LALFFVATY F
2127,027	-0,0045	0	75,97	2.20E-06	K	LALFFVATY F
2127,027	-0,0044	0	78,94	1.10E-06	K	LALFFVATY F
2127,027	-0,0041	0	74,86	2.80E-06	K	LALFFVATY F
2127,027	-0,0037	0	85,02	2.70E-07	K	LALFFVATY F
2127,027	-0,0035	0	74,85	2.90E-06	K	LALFFVATY F
2127,027	-0,0023	0	75,67	2.40E-06	K	LALFFVATY F
2127,027	-0,0023	0	73,96	3.60E-06	K	LALFFVATY F
2127,027	-0,0022	0	53,68	0,00038	K	LALFFVATY F
2127,027	-0,0021	0	107,96	1.40E-09	K	LALFFVATY F
2127,027	-0,0021	0	92,55	5.00E-08	K	LALFFVATY F
2127,027	-0,0014	0	52,9	0,00047	K	LALFFVATY F
2127,027	-0,0003	0	82,6	5.00E-07	K	LALFFVATY F
2127,027	0,0033	0	53,36	0,00043	K	LALFFVATY F
2127,027	0,0056	0	50,47	0,00086	K	LALFFVATY F
2127,027	0,0065	0	93,57	4.20E-08	K	LALFFVATY F
2158,943	-0,005	1	65,61	5.30E-06	F	KVVDLDDY L



2166,033	-0,0188	0	69,29	4.60E-06	S	GGGGLGG! G
2166,033	-0,0172	0	62,49	2.20E-05	S	GGGGLGG! G
2166,033	-0,0144	0	49,44	0,00047	S	GGGGLGG! G
2166,033	-0,0135	0	43,86	0,0017	S	GGGGLGG! G
2166,033	-0,0103	0	55,63	0,00012	S	GGGGLGG! G
2166,033	-0,0084	0	91,29	3.20E-08	S	GGGGLGG! G
2166,033	-0,0073	0	40,12	0,0042	S	GGGGLGG! G
2166,033	-0,0066	0	52,55	0,00024	S	GGGGLGG! G
2166,033	-0,0066	0	77,62	7.50E-07	S	GGGGLGG! G
2166,033	-0,0058	0	69,55	4.90E-06	S	GGGGLGG! G
2166,033	-0,0026	0	41,69	0,003	S	GGGGLGG! G
2166,033	0,0011	0	67,66	7.70E-06	S	GGGGLGG! G
2169,038	-0,0058	0	81,29	5.90E-07	K	LALFFVATY F
2172,959	-0,0106	1	34,98	0,0061	V	VDLDDYAA K
2172,959	-0,008	1	122,15	1.80E-11	V	VDLDDYAA K
2172,959	-0,0048	1	96,91	4.40E-09	V	VDLDDYAA K
2172,959	-0,0033	1	92,99	1.10E-08	V	VDLDDYAA K
2172,959	-0,0009	1	33,38	0,011	V	VDLDDYAA K
2172,959	0,0029	1	39,54	0,0027	V	VDLDDYAA K
2192,932	-0,0068	0	79,23	1.20E-07	V	PVGLGDDI E
2192,932	-0,0059	0	150,75	8.60E-15	V	PVGLGDDI E
2192,932	-0,005	0	85,37	3.00E-08	V	PVGLGDDI E
2192,932	-0,0038	0	124,19	4.00E-12	V	PVGLGDDI E
2192,932	0,0027	0	140,24	1.10E-13	V	PVGLGDDI E
2192,932	0,0057	0	34,55	0,0046	V	PVGLGDDI E
2201,985	-0,021	2	63,24	6.00E-06	V	DLDDYAAE E
2201,985	-0,0191	2	137,22	2.80E-13	V	DLDDYAAE E
2201,985	-0,0186	2	96,22	3.10E-09	V	DLDDYAAE E
2201,985	-0,0171	2	88,2	2.00E-08	V	DLDDYAAE E
2201,985	-0,0162	2	46,5	0,0003	V	DLDDYAAE E
2201,985	-0,0161	2	32,13	0,0084	V	DLDDYAAE E
2201,985	-0,0158	2	101,44	9.80E-10	V	DLDDYAAE E
2201,985	-0,015	2	138,28	2.30E-13	V	DLDDYAAE E
2201,985	-0,0147	2	44,62	0,00047	V	DLDDYAAE E
2201,985	-0,0147	2	46,66	0,0003	V	DLDDYAAE E
2201,985	-0,0146	2	45,7	0,00037	V	DLDDYAAE E
2201,985	-0,0137	2	49,45	0,00016	V	DLDDYAAE E
2201,985	-0,0137	2	54,44	5.00E-05	V	DLDDYAAE E
2201,985	-0,0137	2	79,12	1.70E-07	V	DLDDYAAE E
2201,985	-0,0134	2	91,64	9.70E-09	V	DLDDYAAE E
2201,985	-0,0125	2	39,09	0,0018	V	DLDDYAAE E
2201,985	-0,0118	2	50,32	0,00014	V	DLDDYAAE E
2201,985	-0,0116	2	80,1	1.40E-07	V	DLDDYAAE E
2201,985	-0,0111	2	91,75	9.80E-09	V	DLDDYAAE E
2201,985	-0,0098	2	34,85	0,0053	V	DLDDYAAE E
2201,985	-0,0095	2	92,07	9.60E-09	V	DLDDYAAE E
2201,985	-0,0082	2	105,22	4.70E-10	V	DLDDYAAE E
2201,985	-0,0079	2	86,25	4.00E-08	V	DLDDYAAE E

Acetyl (N-ter)

2201,985	-0,0077	2	37	0,0034 V	DLDDYAAE E
2201,985	-0,0073	2	46,45	0,00038 V	DLDDYAAE E
2201,985	-0,0072	2	75,37	4.50E-07 V	DLDDYAAE E
2201,985	-0,0064	2	86,96	3.50E-08 V	DLDDYAAE E
2201,985	-0,0064	2	79,54	1.80E-07 V	DLDDYAAE E
2201,985	-0,0063	2	100,35	1.50E-09 V	DLDDYAAE E
2201,985	-0,0061	2	59,56	1.80E-05 V	DLDDYAAE E
2201,985	-0,0056	2	53,55	7.40E-05 V	DLDDYAAE E
2201,985	-0,0055	2	47,05	0,00036 V	DLDDYAAE E
2201,985	-0,0054	2	94,89	5.50E-09 V	DLDDYAAE E
2201,985	-0,0054	2	50,75	0,00015 V	DLDDYAAE E
2201,985	-0,0047	2	95,67	4.70E-09 V	DLDDYAAE E
2201,985	-0,0044	2	90,25	1.60E-08 V	DLDDYAAE E
2201,985	-0,0044	2	108,91	2.40E-10 V	DLDDYAAE E
2201,985	-0,0041	2	105,36	5.00E-10 V	DLDDYAAE E
2201,985	-0,0034	2	47,61	0,00032 V	DLDDYAAE E
2201,985	-0,0031	2	102,04	1.10E-09 V	DLDDYAAE E
2201,985	-0,0011	2	47,1	0,00038 V	DLDDYAAE E
2201,985	0,0007	2	147,52	3.40E-14 V	DLDDYAAE E
2201,985	0,001	2	33,83	0,0081 V	DLDDYAAE E
2218,06	-0,0111	1	71,9	5.40E-06 D	FEYAVFGL(V
2218,06	-0,0054	1	75,88	1.20E-06 D	FEYAVFGL(V
2253,065	-0,004	0	47,38	0,00068 G	SGGGGLG(G
2253,065	0,0045	0	60,34	3.80E-05 G	SGGGGLG(G
2268,049	-0,0058	1	70,55	2.40E-06 L	FFVATYGD(W
2268,049	-0,0045	1	112,44	1.60E-10 L	FFVATYGD(W
2272,027	-0,0178	1	63,24	1.80E-05 K	VVDLDDYA K
2272,027	-0,0164	1	89,24	4.60E-08 K	VVDLDDYA K
2272,027	-0,0161	1	57,12	7.60E-05 K	VVDLDDYA K
2272,027	-0,0158	1	41,35	0,0029 K	VVDLDDYA K
2272,027	-0,0155	1	122,36	2.30E-11 K	VVDLDDYA K
2272,027	-0,0154	1	64,91	1.30E-05 K	VVDLDDYA K
2272,027	-0,0152	1	50,07	0,00019 K	VVDLDDYA K
2272,027	-0,0134	1	41,14	0,0031 K	VVDLDDYA K
2272,027	-0,0134	1	67,26	7.60E-06 K	VVDLDDYA K
2272,027	-0,0127	1	36,8	0,0084 K	VVDLDDYA K
2272,027	-0,0127	1	99,05	5.00E-09 K	VVDLDDYA K
2272,027	-0,0127	1	102,53	2.20E-09 K	VVDLDDYA K
2272,027	-0,0125	1	76,18	9.70E-07 K	VVDLDDYA K
2272,027	-0,0122	1	41,77	0,0013 K	VVDLDDYA K
2272,027	-0,0116	1	63,75	1.70E-05 K	VVDLDDYA K
2272,027	-0,0106	1	52,55	0,00023 K	VVDLDDYA K
2272,027	-0,0106	1	114,79	1.40E-10 K	VVDLDDYA K
2272,027	-0,0099	1	49,35	0,00049 K	VVDLDDYA K
2272,027	-0,009	1	78,71	5.70E-07 K	VVDLDDYA K
2272,027	-0,0086	1	61,66	2.90E-05 K	VVDLDDYA K
2272,027	-0,0081	1	145,95	5.30E-14 K	VVDLDDYA K
2272,027	-0,008	1	91,35	3.10E-08 K	VVDLDDYA K

2272,027	-0,0078	1	32,51	0,012	K	VVDLDDYA K
2272,027	-0,0075	1	105,97	5.30E-10	K	VVDLDDYA K
2272,027	-0,0071	1	36,93	0,0043	K	VVDLDDYA K
2272,027	-0,0067	1	94,79	1.40E-08	K	VVDLDDYA K
2272,027	-0,0066	1	56,13	5.30E-05	K	VVDLDDYA K
2272,027	-0,0065	1	41,88	0,0014	K	VVDLDDYA K
2272,027	-0,0062	1	49,82	0,00023	K	VVDLDDYA K
2272,027	-0,0057	1	88,56	3.10E-08	K	VVDLDDYA K
2272,027	-0,0052	1	126,24	1.10E-11	K	VVDLDDYA K
2272,027	-0,0051	1	151,49	1.60E-14	K	VVDLDDYA K
2272,027	-0,0051	1	84,32	8.20E-08	K	VVDLDDYA K
2272,027	-0,005	1	104,29	1.70E-09	K	VVDLDDYA K
2272,027	-0,0048	1	61,17	3.50E-05	K	VVDLDDYA K
2272,027	-0,0046	1	81,81	3.00E-07	K	VVDLDDYA K
2272,027	-0,0044	1	44,96	0,0015	K	VVDLDDYA K
2272,027	-0,0044	1	122,83	2.40E-11	K	VVDLDDYA K
2272,027	-0,0043	1	37,73	0,0037	K	VVDLDDYA K
2272,027	-0,0039	1	107,84	7.60E-10	K	VVDLDDYA K
2272,027	-0,0038	1	47,41	0,0004	K	VVDLDDYA K
2272,027	-0,0038	1	71,77	1.50E-06	K	VVDLDDYA K
2272,027	-0,0037	1	60,76	3.90E-05	K	VVDLDDYA K
2272,027	-0,0037	1	106,86	9.60E-10	K	VVDLDDYA K
2272,027	-0,0037	1	125,64	6.00E-12	K	VVDLDDYA K
2272,027	-0,0036	1	58,59	3.10E-05	K	VVDLDDYA K
2272,027	-0,003	1	113,1	2.30E-10	K	VVDLDDYA K
2272,027	-0,0028	1	117,7	8.00E-11	K	VVDLDDYA K
2272,027	-0,0027	1	97,12	9.20E-09	K	VVDLDDYA K
2272,027	-0,0024	1	52,07	0,00014	K	VVDLDDYA K
2272,027	-0,0024	1	114,33	1.70E-10	K	VVDLDDYA K
2272,027	-0,0022	1	121,08	3.70E-11	K	VVDLDDYA K
2272,027	-0,0021	1	110,58	4.10E-10	K	VVDLDDYA K
2272,027	-0,002	1	110,17	4.50E-10	K	VVDLDDYA K
2272,027	-0,0018	1	44,59	0,00081	K	VVDLDDYA K
2272,027	-0,0014	1	48	0,00075	K	VVDLDDYA K
2272,027	-0,001	1	58,65	6.40E-05	K	VVDLDDYA K
2272,027	-0,0007	1	71,71	3.20E-06	K	VVDLDDYA K
2272,027	-0,0004	1	75,21	1.40E-06	K	VVDLDDYA K
2272,027	-0,0003	1	54,12	9.20E-05	K	VVDLDDYA K
2272,027	-0,0001	1	50,04	0,00024	K	VVDLDDYA K
2272,027	0,0015	1	80,61	4.40E-07	K	VVDLDDYA K
2272,027	0,0019	1	36,39	0,0057	K	VVDLDDYA K
2301,054	-0,0095	2	117,49	4.00E-11	V	VDLDDYAA E
2301,054	-0,0081	2	57,91	3.60E-05	V	VDLDDYAA E
2301,054	-0,0069	2	139,13	2.80E-13	V	VDLDDYAA E
2301,054	-0,0057	2	43,3	0,0011	V	VDLDDYAA E
2301,054	-0,0054	2	63,03	1.20E-05	V	VDLDDYAA E
2301,054	-0,0054	2	40,85	0,0032	V	VDLDDYAA E
2301,054	-0,0053	2	95,09	7.30E-09	V	VDLDDYAA E

2301,054	-0,0051	2	119,37	2.70E-11	V	VDLDDYAA E
2301,054	-0,005	2	122,28	1.40E-11	V	VDLDDYAA E
2301,054	-0,0047	2	45,37	0,0011	V	VDLDDYAA E
2301,054	-0,0038	2	140,58	2.10E-13	V	VDLDDYAA E
2301,054	-0,0034	2	121	3.20E-11	V	VDLDDYAA E
2301,054	0,0003	2	38,47	0,0036	V	VDLDDYAA E
2333,087	-0,0078	1	62,82	1.50E-05	N	DFEYAVFGI V
2333,087	-0,0044	1	47,37	0,00057	N	DFEYAVFGI V
2333,087	-0,0028	1	34,42	0,012	N	DFEYAVFGI V
2381,133	-0,0057	1	40,07	0,0073	A	LFFVATYGI W
2381,133	-0,0043	1	83,71	3.10E-07	A	LFFVATYGI W
2384,165	-0,0131	1	45,79	0,0013	K	EKLALFFVA F
2400,122	-0,0291	2	123,47	1.10E-11	F	KVVDLDDY K
2400,122	-0,0226	2	137,81	4.40E-13	F	KVVDLDDY K
2400,122	-0,0208	2	145,08	8.40E-14	F	KVVDLDDY K
2400,122	-0,0205	2	126,88	5.60E-12	K	VVDLDDYA E
2400,122	-0,0195	2	66,82	5.70E-06	K	VVDLDDYA E
2400,122	-0,0186	2	110,26	2.70E-10	K	VVDLDDYA E
2400,122	-0,0183	2	52,29	0,00017	F	KVVDLDDY K
2400,122	-0,0177	2	146,47	6.30E-14	F	KVVDLDDY K
2400,122	-0,0165	2	97,17	5.40E-09	K	VVDLDDYA E
2400,122	-0,0161	2	53,26	0,00013	K	VVDLDDYA E
2400,122	-0,016	2	57,53	5.00E-05	K	VVDLDDYA E
2400,122	-0,0154	2	163,7	1.20E-15	F	KVVDLDDY K
2400,122	-0,0153	2	143,4	1.30E-13	K	VVDLDDYA E
2400,122	-0,0145	2	90,97	2.30E-08	K	VVDLDDYA E
2400,122	-0,0143	2	43,58	0,0013	K	VVDLDDYA E
2400,122	-0,0137	2	119,62	3.10E-11	K	VVDLDDYA E
2400,122	-0,0135	2	63,41	1.30E-05	K	VVDLDDYA E
2400,122	-0,013	2	50,36	0,00026	K	VVDLDDYA E
2400,122	-0,0127	2	63,78	1.20E-05	K	VVDLDDYA E
2400,122	-0,0121	2	56,37	7.00E-05	K	VVDLDDYA E
2400,122	-0,0119	2	44,45	0,0011	K	VVDLDDYA E
2400,122	-0,0114	2	59,09	3.70E-05	K	VVDLDDYA E
2400,122	-0,0109	2	180,4	2.80E-17	K	VVDLDDYA E
2400,122	-0,0107	2	35,48	0,0085	K	VVDLDDYA E
2400,122	-0,0107	2	40,02	0,003	K	VVDLDDYA E
2400,122	-0,0106	2	72,44	1.70E-06	K	VVDLDDYA E
2400,122	-0,0103	2	91,46	2.20E-08	K	VVDLDDYA E
2400,122	-0,0102	2	110,56	2.60E-10	F	KVVDLDDY K
2400,122	-0,01	2	78,72	4.10E-07	K	VVDLDDYA E
2400,122	-0,0098	2	121,09	2.30E-11	K	VVDLDDYA E
2400,122	-0,0095	2	106	7.60E-10	K	VVDLDDYA E
2400,122	-0,0094	2	71,31	2.30E-06	F	KVVDLDDY K
2400,122	-0,0093	2	52,58	0,00017	K	VVDLDDYA E
2400,122	-0,0092	2	94,26	1.10E-08	K	VVDLDDYA E
2400,122	-0,0086	2	138,67	4.20E-13	K	VVDLDDYA E
2400,122	-0,0085	2	75,87	8.00E-07	K	VVDLDDYA E

2400,122	-0,0083	2	82,53	1.70E-07	K	VVDLDDYA E
2400,122	-0,0082	2	61,19	2.30E-05	K	VVDLDDYA E
2400,122	-0,0079	2	82,79	1.60E-07	K	VVDLDDYA E
2400,122	-0,0077	2	56,04	7.80E-05	F	KVVDLDDY K
2400,122	-0,0076	2	41,26	0,0023	K	VVDLDDYA E
2400,122	-0,0076	2	126,55	6.90E-12	K	VVDLDDYA E
2400,122	-0,0074	2	101,86	2.00E-09	K	VVDLDDYA E
2400,122	-0,0068	2	99,89	3.20E-09	K	VVDLDDYA E
2400,122	-0,0062	2	96,06	7.90E-09	K	VVDLDDYA E
2400,122	-0,0062	2	37,19	0,0059	K	VVDLDDYA E
2400,122	-0,006	2	48,95	0,00039	K	VVDLDDYA E
2400,122	-0,0058	2	116,92	6.30E-11	K	VVDLDDYA E
2400,122	-0,0058	2	138,96	3.90E-13	F	KVVDLDDY K
2400,122	-0,0057	2	89,57	3.40E-08	K	VVDLDDYA E
2400,122	-0,0054	2	53,7	0,00013	F	KVVDLDDY K
2400,122	-0,0045	2	45,45	0,0009	K	VVDLDDYA E
2400,122	-0,0045	2	96,18	7.60E-09	K	VVDLDDYA E
2400,122	-0,0043	2	131,97	2.00E-12	K	VVDLDDYA E
2400,122	-0,0039	2	121,56	2.20E-11	K	VVDLDDYA E
2400,122	-0,0037	2	58,1	4.90E-05	K	VVDLDDYA E
2400,122	-0,0036	2	68,47	4.50E-06	K	VVDLDDYA E
2400,122	-0,0036	2	150,76	2.70E-14	F	KVVDLDDY K
2400,122	-0,0035	2	92,61	1.70E-08	K	VVDLDDYA E
2400,122	-0,0034	2	125,15	9.70E-12	K	VVDLDDYA E
2400,122	-0,0033	2	145,56	8.80E-14	F	KVVDLDDY K
2400,122	-0,0033	2	140,85	2.60E-13	F	KVVDLDDY K
2400,122	-0,0031	2	138,91	4.10E-13	F	KVVDLDDY K
2400,122	-0,0017	2	130,18	3.10E-12	K	VVDLDDYA E
2400,122	-0,0015	2	109,48	3.60E-10	K	VVDLDDYA E
2400,122	-0,0015	2	117,03	6.30E-11	K	VVDLDDYA E
2400,122	-0,0006	2	129,53	3.60E-12	K	VVDLDDYA E
2400,122	-0,0004	2	40,28	0,0031	K	VVDLDDYA E
2400,122	0	2	55,42	9.40E-05	K	VVDLDDYA E
2400,122	0	2	43,3	0,0015	K	VVDLDDYA E
2400,122	0,0004	2	91,13	2.50E-08	F	KVVDLDDY K
2400,122	0,0005	2	108,95	4.20E-10	K	VVDLDDYA E
2400,122	0,0006	2	80,86	2.70E-07	K	VVDLDDYA E
2400,122	0,0009	2	53,43	0,00015	F	KVVDLDDY K
2400,122	0,0018	2	143,41	1.50E-13	K	VVDLDDYA E
2400,122	0,0025	2	65,14	1.00E-05	K	VVDLDDYA E
2400,122	0,003	2	64,64	1.20E-05	F	KVVDLDDY K
2400,122	0,0089	2	61,54	2.50E-05	K	VVDLDDYA E
2400,156	-0,0235	2	37,32	0,0068	K	EALWPELD -
2400,156	-0,0232	2	37,28	0,0069	K	EALWPELD -
2400,156	-0,023	2	39,55	0,0041	K	EALWPELD -
2400,156	-0,0137	2	62,48	2.30E-05	K	EALWPELD -
2400,156	-0,009	2	41,81	0,003	K	EALWPELD -
2405,085	-0,0134	0	36,55	0,0059	R	LVPVGLGD E

2405,085	-0,0045	0	102,33	1.80E-09	R	LVPVGLGD E	
2447,129	-0,0139	1	63,3	1.20E-05	L	NDFEYAVF V	
2447,129	-0,0124	1	87,64	4.50E-08	L	NDFEYAVF V	
2447,129	-0,0095	1	94,52	9.40E-09	L	NDFEYAVF V	
2447,129	-0,0052	1	57,72	8.00E-05	L	NDFEYAVF V	
2560,214	-0,0099	1	79,04	9.00E-07	W	LNDFEYAV V	
2560,214	0,0045	1	81,64	5.60E-07	W	LNDFEYAV V	
2561,186	-0,022	1	77,22	4.10E-07	K	RLVPVGLG E	
2561,186	-0,0106	1	59,64	2.80E-05	K	RLVPVGLG E	
2561,186	-0,0101	1	58,31	3.80E-05	K	RLVPVGLG E	
2561,186	-0,0077	1	120,41	4.10E-11	K	RLVPVGLG E	
2561,186	-0,0021	1	74,84	9.50E-07	K	RLVPVGLG E	
2565,254	-0,0141	1	46,07	0,0012	K	LALFFVATY W	
2565,254	-0,0116	1	49,66	0,00096	K	LALFFVATY W	
2565,254	-0,0112	1	88,62	6.90E-08	K	LALFFVATY W	
2565,254	-0,0105	1	112,16	5.40E-10	K	LALFFVATY W	
2565,254	-0,0101	1	83,31	2.40E-07	K	LALFFVATY W	
2565,254	-0,0095	1	56,09	0,00013	K	LALFFVATY W	
2565,254	-0,0083	1	53,66	0,00039	K	LALFFVATY W	
2565,254	-0,0026	1	76,34	1.30E-06	K	LALFFVATY W	
2565,254	-0,0017	1	129,53	1.10E-11	K	LALFFVATY W	
2573,313	0,0162	2	42,38	0,0056	R	QYEHFNKV R	Acetyl (N-ter)
2600,349	0,0081	2	83,01	2.60E-07	K	KVTVFFGTC A	
2746,293	-0,0046	1	59,4	8.40E-05	V	WLNDFEYA V	
2746,293	-0,0014	1	88,62	1.00E-07	V	WLNDFEYA V	
2902,383	-0,0064	1	64,95	2.50E-05	R	GVWLNDFI V	
2902,383	-0,0061	1	70,31	7.40E-06	R	GVWLNDFI V	
2902,383	-0,0028	1	92,39	4.70E-08	R	GVWLNDFI V	
2975,399	-0,0069	1	99,34	3.60E-09	K	WFTEGNER Q	
2975,399	-0,0055	1	147,99	5.20E-14	K	WFTEGNER Q	
3302,483	-0,0054	1	169,02	1.70E-16	V	PVGLGDDI L	
3302,483	-0,0025	1	128,36	2.00E-12	V	PVGLGDDI L	
887,46	0,011	0	47,13	0,0013	K	ITEQGEVL A	
870,4811	-0,0128	0	45,83	0,0025	A	VALPSAADI F	
870,4811	-0,0104	0	48,85	0,0011	A	VALPSAADI F	
928,4865	-0,0071	0	50,97	0,00078	T	IEVEPNTK Y	
928,4865	-0,0068	0	50,93	0,00082	T	IEVEPNTK Y	
1074,567	-0,0118	0	72	6.90E-06	R	QTTSLEQIR G	
1074,567	-0,0116	0	59,89	0,00011	R	QTTSLEQIR G	
1074,567	-0,0114	0	53,59	0,00048	R	QTTSLEQIR G	
1074,567	-0,0111	0	58,65	0,00015	R	QTTSLEQIR G	
1074,567	-0,0085	0	52,2	0,00069	R	QTTSLEQIR G	
1074,567	-0,0077	0	70,41	1.10E-05	R	QTTSLEQIR G	
1074,567	-0,0077	0	58,5	0,00016	R	QTTSLEQIR G	
1074,567	-0,0076	0	54,91	0,00038	R	QTTSLEQIR G	
1074,567	-0,0073	0	71,49	8.30E-06	R	QTTSLEQIR G	
1074,567	-0,0073	0	53,11	0,00057	R	QTTSLEQIR G	
1074,567	-0,007	0	56,89	0,00024	R	QTTSLEQIR G	

1074,567	-0,007	0	52,19	0,0007 R	QTTSLEQIR G
1074,567	-0,0069	0	40,23	0,011 R	QTTSLEQIR G
1074,567	-0,0065	0	57,32	0,00021 R	QTTSLEQIR G
1074,567	-0,0064	0	65,45	3.30E-05 R	QTTSLEQIR G
1074,567	-0,0057	0	71,83	7.60E-06 R	QTTSLEQIR G
1074,567	-0,0055	0	48,35	0,0017 R	QTTSLEQIR G
1074,567	-0,0051	0	46,04	0,0028 R	QTTSLEQIR G
1078,566	-0,0103	0	44,75	0,0036 I	AVGADGTL' E
1086,556	-0,0156	0	53,62	0,00048 R	GTIEVEPNT Y
1086,556	-0,0092	0	51,79	0,00075 R	GTIEVEPNT Y
1086,556	-0,0086	0	59,15	0,00013 R	GTIEVEPNT Y
1086,556	-0,0082	0	40,57	0,0092 R	GTIEVEPNT Y
1086,556	-0,0073	0	59,58	0,00012 R	GTIEVEPNT Y
1086,556	-0,0069	0	45,42	0,0031 R	GTIEVEPNT Y
1086,556	-0,0068	0	49,61	0,0012 R	GTIEVEPNT Y
1086,556	-0,0062	0	63,79	4.60E-05 R	GTIEVEPNT Y
1086,556	-0,006	0	64	4.30E-05 R	GTIEVEPNT Y
1095,502	-0,0133	0	47,83	0,00033 V	CPEISSFTR G
1131,588	-0,0057	1	54,09	0,00023 R	QTTSLEQIR S
1165,598	-0,0045	1	62,88	2.20E-05 V	GADGTLTFI D
1165,598	-0,004	1	44,62	0,0015 V	GADGTLTFI D
1191,65	-0,01	0	68,91	5.40E-06 S	IAVGADGTL E
1191,65	-0,0035	0	42,84	0,002 S	IAVGADGTL E
1264,666	-0,0083	1	86,91	2.00E-07 A	VGADGTLTI D
1264,666	-0,0067	1	83,79	4.40E-07 A	VGADGTLTI D
1264,666	-0,0059	1	75,64	2.70E-06 A	VGADGTLTI D
1264,666	-0,0014	1	61,43	6.80E-05 A	VGADGTLTI D
1299,625	-0,0125	0	58,02	5.40E-05 D	FVGDFNVP G
1299,625	-0,0077	0	34,61	0,013 D	FVGDFNVP G
1306,667	-0,0063	1	39,22	0,013 V	PSYRGAGFI A
1308,613	-0,0108	0	44,03	0,0025 A	NVCPEISSF G
1331,716	-0,0101	1	42,65	0,0031 L	TRQTTSLEQ G
1331,716	-0,0074	1	41,59	0,0036 L	TRQTTSLEQ G
1335,703	-0,0159	0	45,66	0,0014 R	GSIAVGAD(E
1335,703	-0,0069	0	96,82	1.10E-08 R	GSIAVGAD(E
1335,703	-0,0068	0	45,7	0,0014 R	GSIAVGAD(E
1335,703	-0,0067	0	37,47	0,0094 R	GSIAVGAD(E
1335,703	-0,0063	0	62,42	3.00E-05 R	GSIAVGAD(E
1335,703	-0,0062	1	59,36	6.10E-05 I	AVGADGTL' D
1335,703	-0,0062	0	77,2	1.00E-06 R	GSIAVGAD(E
1335,703	-0,0058	0	40,36	0,0048 R	GSIAVGAD(E
1335,703	-0,0051	0	43,48	0,0021 R	GSIAVGAD(E
1335,703	-0,0049	0	59,53	5.20E-05 R	GSIAVGAD(E
1335,703	-0,0047	1	82,48	2.80E-07 I	AVGADGTL' D
1335,703	-0,0018	1	90,31	4.60E-08 I	AVGADGTL' D
1335,703	-0,0014	0	93,57	2.20E-08 R	GSIAVGAD(E
1335,703	-0,0006	0	51	0,00038 R	GSIAVGAD(E
1335,703	-0,0004	0	56,38	0,00011 R	GSIAVGAD(E

1335,703	0	0	71,22	3.60E-06	R	GSIAVGAD(E
1335,703	0	0	77,87	7.70E-07	R	GSIAVGAD(E
1448,788	-0,0114	1	66,77	1.80E-05	S	IAVGADGTL D
1448,788	-0,0101	1	104,35	3.30E-09	S	IAVGADGTL D
1452,729	-0,0128	0	105,45	3.00E-09	L	PGGEEVPFI N
1452,729	-0,0104	0	75,44	3.00E-06	L	PGGEEVPFI N
1452,729	-0,0096	0	89,57	1.20E-07	L	PGGEEVPFI N
1452,729	-0,0076	0	67,46	1.90E-05	L	PGGEEVPFI N
1476,642	-0,0099	0	33,83	0,0079	D	FCMEPQEY E
1491,721	-0,0071	0	52,5	0,00028	Y	TGYDNAVA F
1491,721	-0,0048	0	78,74	6.40E-07	Y	TGYDNAVA F
1491,721	-0,0039	0	72,69	2.60E-06	Y	TGYDNAVA F
1491,721	-0,0014	0	51,71	0,00033	Y	TGYDNAVA F
1495,778	-0,0133	2	71,35	3.20E-06	K	VRGIFYGRV -
1495,778	-0,0077	2	63,61	2.10E-05	K	VRGIFYGRV -
1495,778	-0,0071	2	36,96	0,0096	K	VRGIFYGRV -
1495,778	-0,0069	2	52,04	0,0003	K	VRGIFYGRV -
1495,778	-0,0068	2	37,61	0,0083	K	VRGIFYGRV -
1495,778	-0,0019	2	43,28	0,0021	K	VRGIFYGRV -
1495,778	-0,0005	2	36,27	0,011	K	VRGIFYGRV -
1495,778	-0,0005	2	57,7	8.10E-05	K	VRGIFYGRV -
1543,868	-0,0065	1	79,52	4.10E-07	K	VLTRQTSL G
1565,813	-0,0083	0	69,29	5.70E-06	L	LPGGEEVPI N
1565,813	-0,0076	0	76,6	1.10E-06	L	LPGGEEVPI N
1565,813	-0,0052	0	64,9	1.50E-05	L	LPGGEEVPI N
1565,813	-0,0037	0	45,93	0,0012	L	LPGGEEVPI N
1592,841	-0,0065	1	55,04	0,00032	R	GSIAVGAD(D
1592,841	-0,0062	1	99,57	1.10E-08	R	GSIAVGAD(D
1592,841	-0,0062	1	89,63	1.10E-07	R	GSIAVGAD(D
1592,841	-0,0054	1	108,56	1.40E-09	R	GSIAVGAD(D
1592,841	-0,0054	1	59,61	0,00011	R	GSIAVGAD(D
1592,841	-0,0048	1	102,7	5.40E-09	R	GSIAVGAD(D
1592,841	-0,0044	1	118	1.60E-10	R	GSIAVGAD(D
1592,841	-0,0037	1	74,58	3.40E-06	R	GSIAVGAD(D
1592,841	-0,0032	1	69,5	1.10E-05	R	GSIAVGAD(D
1592,841	-0,0032	1	110,73	8.30E-10	R	GSIAVGAD(D
1592,841	-0,0032	1	63,82	4.10E-05	R	GSIAVGAD(D
1592,841	-0,0025	1	64,54	3.40E-05	R	GSIAVGAD(D
1592,841	-0,0017	1	87,08	1.90E-07	R	GSIAVGAD(D
1592,841	-0,0016	1	53,24	0,00047	R	GSIAVGAD(D
1592,841	-0,0011	1	103,54	4.30E-09	R	GSIAVGAD(D
1592,841	-0,001	1	55,14	0,00029	R	GSIAVGAD(D
1592,841	-0,0004	1	71,78	6.40E-06	R	GSIAVGAD(D
1592,841	0,0005	1	54,81	0,00031	R	GSIAVGAD(D
1592,841	0,0045	1	51,36	0,00068	R	GSIAVGAD(D
1605,804	-0,0011	1	63,15	2.80E-05	E	PQEYFVKEI R
1605,804	-0,0001	1	72,34	3.20E-06	E	PQEYFVKEI R
1654,784	-0,0069	0	66,45	1.60E-05	L	YTGYNDAV, F



1654,784	0,0005	0	82,76	4.20E-07	L	YTGYNDAV.F	
1654,784	0,0014	0	101,86	5.30E-09	L	YTGYNDAV.F	
1654,784	0,0022	0	45,71	0,0022	L	YTGYNDAV.F	
1654,784	0,0026	0	98,58	1.20E-08	L	YTGYNDAV.F	
1654,784	0,0115	0	76,12	2.20E-06	L	YTGYNDAV.F	
1666,847	-0,0008	1	54,1	0,00043	D	FNVPSTYRG.A	
1678,897	-0,0033	0	68,68	1.20E-05	V	LLPGGEEV.N	
1689,764	0,0017	0	48,62	0,00035	N	SSTDFVGD.G	
1693,842	-0,0053	1	38,21	0,0081	T	GYDNAV.T	
1761,905	-0,0206	2	39,54	0,012	E	PQEYFVKE.Q	
1761,905	-0,0187	2	47,06	0,0022	E	PQEYFVKE.Q	
1764,847	-0,0008	0	74,83	3.00E-06	V	NTGLANVC.G	
1767,868	0,0028	0	37,03	0,0099	G	LYTGYNDA.F	
1777,769	-0,0065	0	64,89	3.30E-06	F	VSDFCMEP.E	
1777,966	-0,0021	0	88,29	5.40E-08	T	VLLPGGEE.N	
1794,89	-0,0065	1	56,88	0,00023	Y	TGYNDAV.T	
1803,806	-0,0007	0	94,37	7.40E-09	I	NSSTDFVG.G	
1809,879	0,0008	0	41,97	0,0032	G	LYTGYNDA.F	Acetyl (N-ter)
1809,879	0,0015	0	55,75	0,00013	G	LYTGYNDA.F	Acetyl (N-ter)
1824,889	-0,0111	0	103,26	4.40E-09	R	GLYTGYN.F	
1824,889	-0,011	0	67,3	1.70E-05	R	GLYTGYN.F	
1824,889	-0,0091	0	70,49	8.40E-06	R	GLYTGYN.F	
1824,889	-0,0076	0	142,47	5.40E-13	R	GLYTGYN.F	
1824,889	-0,0062	0	72,33	5.60E-06	R	GLYTGYN.F	
1824,889	-0,0058	0	130,9	7.80E-12	R	GLYTGYN.F	
1824,889	-0,0058	0	55,44	0,00028	R	GLYTGYN.F	
1824,889	-0,0054	0	52,28	0,00056	R	GLYTGYN.F	
1824,889	-0,004	0	83,39	4.50E-07	R	GLYTGYN.F	
1824,889	-0,0036	0	42,62	0,0053	R	GLYTGYN.F	
1824,889	-0,0035	0	105,42	2.80E-09	R	GLYTGYN.F	
1824,889	-0,0032	0	70,37	8.90E-06	R	GLYTGYN.F	
1824,889	-0,0031	0	123,27	4.60E-11	R	GLYTGYN.F	
1824,889	-0,0031	0	107,04	1.90E-09	R	GLYTGYN.F	
1824,889	-0,0028	0	141,63	6.70E-13	R	GLYTGYN.F	
1824,889	-0,0027	0	99,59	1.10E-08	R	GLYTGYN.F	
1824,889	-0,0027	0	141,32	7.20E-13	R	GLYTGYN.F	
1824,889	-0,0024	0	83,35	4.50E-07	R	GLYTGYN.F	
1824,889	-0,0019	0	137,5	1.80E-12	R	GLYTGYN.F	
1824,889	-0,0018	0	137,46	1.80E-12	R	GLYTGYN.F	
1824,889	-0,0007	0	145,12	3.10E-13	R	GLYTGYN.F	
1824,889	-0,0004	0	150,4	9.20E-14	R	GLYTGYN.F	
1824,889	0	0	139,33	1.20E-12	R	GLYTGYN.F	
1824,889	0,0002	0	145,62	2.70E-13	R	GLYTGYN.F	
1824,889	0,0008	0	122,48	5.60E-11	R	GLYTGYN.F	
1824,889	0,0025	0	70,88	8.20E-06	R	GLYTGYN.F	
1824,889	0,0043	0	59,17	0,00012	R	GLYTGYN.F	
1838,895	-0,0007	1	57,85	0,00017	V	GDFNVPSY.A	
1838,895	0,0009	1	43,11	0,005	V	GDFNVPSY.A	

1923,933	-0,0066	1	79,29	5.80E-07	K	ARGLYTGyl K	
1923,933	-0,0057	1	59	6.30E-05	K	ARGLYTGyl K	
1923,933	-0,0051	1	36,44	0,011	K	ARGLYTGyl K	
1923,933	-0,004	1	92,93	2.50E-08	K	ARGLYTGyl K	
1923,933	-0,0034	1	104,27	1.90E-09	K	ARGLYTGyl K	
1923,933	-0,0029	1	44,32	0,0019	K	ARGLYTGyl K	
1923,933	-0,0004	1	54,37	0,00019	K	ARGLYTGyl K	
1957,953	-0,0124	1	66,58	1.00E-05	L	YTGyDNAV, T	
1957,953	-0,0077	1	71,43	3.60E-06	L	YTGyDNAV, T	
2004,016	0,0029	1	71,37	4.40E-06	C	PEISSFTRG` Y	
2052,028	-0,0133	1	103,73	2.40E-09	K	ARGLYTGyl F	
2052,028	-0,0133	1	103,8	2.30E-09	K	ARGLYTGyl F	
2052,028	-0,0125	1	89,57	6.10E-08	K	ARGLYTGyl F	
2052,028	-0,0115	1	59	7.10E-05	K	ARGLYTGyl F	
2052,028	-0,0114	1	95,6	1.50E-08	K	ARGLYTGyl F	
2052,028	-0,0104	1	62,93	2.80E-05	K	ARGLYTGyl F	
2052,028	-0,0097	1	51,25	0,00042	K	ARGLYTGyl F	
2052,028	-0,0095	1	43,26	0,0027	K	ARGLYTGyl F	
2052,028	-0,0089	1	46,23	0,0013	K	ARGLYTGyl F	
2052,028	-0,0088	1	64,76	1.90E-05	K	ARGLYTGyl F	
2052,028	-0,0088	1	83,43	2.50E-07	K	ARGLYTGyl F	
2052,028	-0,0073	1	66,37	1.30E-05	K	ARGLYTGyl F	
2052,028	-0,0071	1	116,53	1.20E-10	K	ARGLYTGyl F	
2052,028	-0,0068	1	57,13	0,00011	K	ARGLYTGyl F	
2052,028	-0,0062	1	117,26	1.00E-10	K	ARGLYTGyl F	
2052,028	-0,0047	1	39,14	0,0068	K	ARGLYTGyl F	
2052,028	-0,0043	1	36,84	0,012	K	ARGLYTGyl F	
2052,028	-0,0039	1	41,02	0,0045	K	ARGLYTGyl F	
2052,028	-0,0038	1	95,32	1.70E-08	K	ARGLYTGyl F	
2052,028	-0,0035	1	64,67	1.90E-05	K	ARGLYTGyl F	
2052,028	-0,0024	1	59,88	5.80E-05	K	ARGLYTGyl F	
2087,901	-0,015	0	31,83	0,0066	K	YFVSDFCM E	
2087,901	-0,0115	0	42,56	0,00055	K	YFVSDFCM E	
2087,901	-0,0113	0	37,29	0,0019	K	YFVSDFCM E	
2087,901	-0,0108	0	58,5	1.40E-05	K	YFVSDFCM E	
2087,901	-0,0086	0	35,86	0,0029	K	YFVSDFCM E	
2087,901	-0,0073	0	37,33	0,002	K	YFVSDFCM E	
2087,901	-0,0071	0	41,5	0,00077	K	YFVSDFCM E	
2087,901	-0,006	0	29,6	0,012	K	YFVSDFCM E	
2087,901	-0,0036	0	33,07	0,0056	K	YFVSDFCM E	
2087,901	-0,0018	0	105,35	3.40E-10	K	YFVSDFCM E	
2087,901	-0,0008	0	36,46	0,0027	K	YFVSDFCM E	
2087,901	0,0024	0	32,5	0,0071	K	YFVSDFCM E	
2089,15	-0,0012	0	86,39	1.20E-07	Q	PITVLLPGG N	
2103,896	-0,0098	0	29,98	0,012	K	YFVSDFCM E	Oxidation (I
2103,896	-0,0075	0	86,85	2.50E-08	K	YFVSDFCM E	Oxidation (I
2103,896	-0,0027	0	46,41	0,00029	K	YFVSDFCM E	Oxidation (I
2128,059	-0,0064	1	58,83	7.50E-05	R	GLYTGyDN, T	

2128,059	-0,005	1	75,83	3.00E-06	R	GLYTGyDN.T
2128,059	-0,0033	1	91,31	8.20E-08	R	GLYTGyDN.T
2142,089	-0,0095	0	38,09	0,0097	K	DGIDFQPIT F
2164,047	-0,0212	1	53,63	0,00033	V	CPEISSFTR Y
2217,209	-0,002	0	74,11	2.20E-06	F	QPITVLLPG N
2217,209	-0,0009	0	36,12	0,014	F	QPITVLLPG N
2217,209	0,0015	0	48,52	0,00075	F	QPITVLLPG N
2217,209	0,0018	0	47,24	0,001	F	QPITVLLPG N
2289,157	-0,0088	0	69,75	1.20E-05	K	DGIDFQPIT F
2289,157	-0,0072	0	74,29	4.10E-06	K	DGIDFQPIT F
2289,157	-0,0064	0	44	0,0044	K	DGIDFQPIT F
2289,157	-0,0058	0	86,09	2.70E-07	K	DGIDFQPIT F
2308,071	-0,0034	0	51,91	0,00019	D	GSTGEIAGI E
2308,071	0,0001	0	70,62	2.60E-06	D	GSTGEIAGI E
2308,071	0,0014	0	89,92	3.10E-08	D	GSTGEIAGI E
2364,277	-0,0031	0	45,15	0,0012	D	FQPITVLLP(N
2364,277	-0,0007	0	59,4	4.30E-05	D	FQPITVLLP(N
2392,26	-0,0211	1	93,76	4.20E-08	R	QTTSLEQIR E
2392,26	-0,0201	1	81,41	7.20E-07	R	QTTSLEQIR E
2392,26	-0,0191	1	46,28	0,0024	R	QTTSLEQIR E
2392,26	-0,0149	1	145,38	2.80E-13	R	QTTSLEQIR E
2392,26	-0,0147	1	112,02	3.30E-10	R	QTTSLEQIR E
2392,26	-0,0131	1	135,08	3.00E-12	R	QTTSLEQIR E
2392,26	-0,0119	1	40,21	0,0092	R	QTTSLEQIR E
2392,26	-0,0118	1	133,41	4.40E-12	R	QTTSLEQIR E
2392,26	-0,0103	1	104,63	1.70E-09	R	QTTSLEQIR E
2392,26	-0,0089	1	140,77	8.10E-13	R	QTTSLEQIR E
2392,26	-0,0083	1	138,13	1.50E-12	R	QTTSLEQIR E
2392,26	-0,0082	1	126,45	2.20E-11	R	QTTSLEQIR E
2392,26	-0,0082	1	107,63	1.60E-09	R	QTTSLEQIR E
2392,26	-0,0079	1	154,02	3.80E-14	R	QTTSLEQIR E
2392,26	-0,0079	1	62,33	5.60E-05	R	QTTSLEQIR E
2392,26	-0,0077	1	37,21	0,0094	R	QTTSLEQIR E
2392,26	-0,0071	1	52,14	0,0003	R	QTTSLEQIR E
2392,26	-0,0071	1	99,15	6.00E-09	R	QTTSLEQIR E
2392,26	-0,0069	1	90,29	4.50E-08	R	QTTSLEQIR E
2392,26	-0,0065	1	77,74	8.20E-07	R	QTTSLEQIR E
2392,26	-0,0064	1	109,56	5.30E-10	R	QTTSLEQIR E
2392,26	-0,0061	1	77,81	7.90E-07	R	QTTSLEQIR E
2392,26	-0,006	1	69,24	5.80E-06	R	QTTSLEQIR E
2392,26	-0,0059	1	113,87	3.80E-10	R	QTTSLEQIR E
2392,26	-0,0054	1	55,94	0,00024	R	QTTSLEQIR E
2392,26	-0,0054	1	153,47	4.20E-14	R	QTTSLEQIR E
2392,26	-0,0052	1	73,9	2.00E-06	R	QTTSLEQIR E
2392,26	-0,004	1	50,89	0,00039	R	QTTSLEQIR E
2392,26	-0,004	1	53,53	0,00021	R	QTTSLEQIR E
2392,26	-0,0039	1	153,79	3.90E-14	R	QTTSLEQIR E
2392,26	-0,0038	1	58,9	6.20E-05	R	QTTSLEQIR E

2392,26	-0,0037	1	79,97	4.80E-07	R	QTTSLEQIR E	
2392,26	-0,0026	1	135,14	2.80E-12	R	QTTSLEQIR E	
2392,26	-0,0024	1	125,74	2.40E-11	R	QTTSLEQIR E	
2392,26	-0,0023	1	112,23	2.80E-10	R	QTTSLEQIR E	
2392,26	-0,0022	1	65,79	2.40E-05	R	QTTSLEQIR E	
2392,26	-0,0022	1	101,14	6.90E-09	R	QTTSLEQIR E	
2392,26	0,0012	1	134,56	3.10E-12	R	QTTSLEQIR E	
2392,26	0,0022	1	141,01	7.10E-13	R	QTTSLEQIR E	
2392,26	0,004	1	125,85	2.30E-11	R	QTTSLEQIR E	
2392,26	0,0041	1	153,57	3.80E-14	R	QTTSLEQIR E	
2392,26	0,0043	1	117,87	1.40E-10	R	QTTSLEQIR E	
2392,26	0,0048	1	124,4	3.20E-11	R	QTTSLEQIR E	
2392,26	0,005	1	122,13	5.30E-11	R	QTTSLEQIR E	
2392,26	0,0058	1	156,07	2.20E-14	R	QTTSLEQIR E	
2392,26	0,0071	1	70,44	7.80E-06	R	QTTSLEQIR E	
2406,113	-0,0054	0	66,75	6.10E-06	E	PGFTSINSS G	
2406,113	-0,0021	0	107,1	5.80E-10	E	PGFTSINSS G	
2436,225	-0,0055	0	43	0,0031	K	DGIDFQPIT T	
2479,304	-0,0061	0	65,49	2.30E-05	I	DFQPITVLLI N	
2479,304	-0,0049	0	71,65	5.40E-06	I	DFQPITVLLI N	
2547,141	-0,0059	2	41,26	0,0012	V	SDFCMEPC Q	Oxidation (I
2573,157	0,0248	2	40,68	0,0021	V	SDFCMEPC Q	Acetyl (N-te
2589,214	-0,0095	1	60,67	2.70E-05	I	NSSTDFVGI A	
2630,215	0,0059	2	73,65	1.30E-06	F	VSDFCMEP Q	
2646,209	-0,004	2	63,62	9.90E-06	F	VSDFCMEP Q	Oxidation (I
2649,397	-0,0093	2	57,76	8.00E-05	R	QTTSLEQIR D	
2649,397	-0,0068	2	99,13	5.80E-09	R	QTTSLEQIR D	
2649,397	-0,0068	2	160,18	4.50E-15	R	QTTSLEQIR D	
2649,397	-0,0061	2	123,93	1.80E-11	R	QTTSLEQIR D	
2649,397	-0,0057	2	62,81	2.40E-05	R	QTTSLEQIR D	
2649,397	-0,0053	2	141,42	3.30E-13	R	QTTSLEQIR D	
2649,397	-0,0047	2	84,86	1.50E-07	R	QTTSLEQIR D	
2649,397	-0,0045	2	96,08	1.10E-08	R	QTTSLEQIR D	
2649,397	-0,0038	2	71,14	3.50E-06	R	QTTSLEQIR D	
2649,397	-0,0037	2	91,91	2.90E-08	R	QTTSLEQIR D	
2649,41	-0,0158	0	63,82	3.10E-05	D	GIDFQPITVIN	
2649,397	-0,0036	2	137,29	8.40E-13	R	QTTSLEQIR D	
2649,397	-0,0034	2	113,96	1.80E-10	R	QTTSLEQIR D	
2649,397	-0,0032	2	91,02	3.60E-08	R	QTTSLEQIR D	
2649,397	-0,003	2	63,34	2.10E-05	R	QTTSLEQIR D	
2649,397	-0,0029	2	169,96	4.50E-16	R	QTTSLEQIR D	
2649,397	-0,0028	2	79,1	5.50E-07	R	QTTSLEQIR D	
2649,397	-0,0028	2	125,56	1.20E-11	R	QTTSLEQIR D	
2649,397	-0,0028	2	115,92	1.10E-10	R	QTTSLEQIR D	
2649,397	-0,0023	2	133,29	2.10E-12	R	QTTSLEQIR D	
2649,397	-0,0014	2	66,89	9.10E-06	R	QTTSLEQIR D	
2649,397	-0,0014	2	71,03	3.50E-06	R	QTTSLEQIR D	
2649,397	-0,0014	2	173,97	1.80E-16	R	QTTSLEQIR D	

2649,397	-0,0012	2	96,09	1.10E-08	R	QTTSLEQIR D	
2649,397	-0,0009	2	138,59	6.20E-13	R	QTTSLEQIR D	
2649,397	-0,0005	2	100,64	3.80E-09	R	QTTSLEQIR D	
2649,397	-0,0005	2	37,96	0,0071	R	QTTSLEQIR D	
2649,397	0,0007	2	66,31	1.00E-05	R	QTTSLEQIR D	
2649,397	0,001	2	72,63	2.40E-06	R	QTTSLEQIR D	
2649,397	0,0011	2	70,2	4.20E-06	R	QTTSLEQIR D	
2649,397	0,0015	2	92,75	2.30E-08	R	QTTSLEQIR D	
2649,397	0,0058	2	138,28	6.30E-13	R	QTTSLEQIR D	
2649,397	0,0061	2	68,43	6.10E-06	R	QTTSLEQIR D	
2649,397	0,0076	2	118,35	6.10E-11	R	QTTSLEQIR D	
2764,436	-0,0187	0	80,19	5.20E-07	K	DGIDFQPIT N	
2764,436	-0,017	0	71,62	8.00E-06	K	DGIDFQPIT N	
2764,436	-0,0165	0	43,21	0,0026	K	DGIDFQPIT N	
2764,436	-0,0162	0	61,21	8.80E-05	K	DGIDFQPIT N	
2764,436	-0,0159	0	91,93	3.40E-08	K	DGIDFQPIT N	
2764,436	-0,0156	0	90,39	1.10E-07	K	DGIDFQPIT N	
2764,436	-0,0147	0	65,06	1.70E-05	K	DGIDFQPIT N	
2764,436	-0,0143	0	99,72	1.20E-08	K	DGIDFQPIT N	
2764,436	-0,0126	0	39,66	0,0058	K	DGIDFQPIT N	
2764,436	-0,0125	0	52,21	0,00069	K	DGIDFQPIT N	
2764,436	-0,0103	0	102,63	3.00E-09	K	DGIDFQPIT N	
2764,436	-0,0074	0	61,83	7.70E-05	K	DGIDFQPIT N	
2764,436	-0,0066	0	36,51	0,012	K	DGIDFQPIT N	
2764,436	-0,0065	0	38,09	0,0084	K	DGIDFQPIT N	
2764,436	-0,0065	0	99,68	5.80E-09	K	DGIDFQPIT N	
2764,436	-0,0061	0	84,13	4.50E-07	K	DGIDFQPIT N	
2764,436	-0,0056	0	65,56	3.20E-05	K	DGIDFQPIT N	
2764,436	0,0012	0	49,12	0,0014	K	DGIDFQPIT N	
2799,339	-0,0103	0	35,49	0,011	K	SQLTYDDIV G	
2799,339	0,0049	0	63,72	3.10E-05	K	SQLTYDDIV G	
2800,24	-0,0009	1	44,78	0,001	K	YFVSDFCM R	Oxidation (I
2861,561	-0,0003	2	91,06	2.30E-08	K	VLTRQTTSL E	
2861,561	-0,0003	2	39,19	0,0035	K	VLTRQTTSL E	
2861,561	0,0007	2	82,03	1.70E-07	K	VLTRQTTSL E	
2890,377	0,0023	1	70,39	8.00E-06	F	TSINSSTDF A	
2940,346	-0,0068	2	70,9	1.90E-06	K	YFVSDFCM Q	
2940,346	-0,0052	2	44,19	0,00089	K	YFVSDFCM Q	
2940,346	-0,004	2	114,33	8.60E-11	K	YFVSDFCM Q	
2940,346	0,002	2	53,84	0,0001	K	YFVSDFCM Q	
2940,346	0,0038	2	127,01	5.10E-12	K	YFVSDFCM Q	
2940,346	0,0043	2	101,58	1.80E-09	K	YFVSDFCM Q	
2940,346	0,0092	2	48,09	0,00041	K	YFVSDFCM Q	
2940,346	0,0097	2	72,73	1.40E-06	K	YFVSDFCM Q	
2956,341	-0,0073	2	87,79	7.00E-08	K	YFVSDFCM Q	Oxidation (I
2956,341	0,0014	2	90,48	4.10E-08	K	YFVSDFCM Q	Oxidation (I
3021,574	-0,0156	1	50,09	0,00049	K	EKDGIDFQI N	
3021,574	-0,0018	1	96,36	1.10E-08	K	EKDGIDFQI N	

3156,431	-0,0244	0	46,23	0,00036	K	NFTGTTEPC	G	
3156,431	-0,02	0	38,57	0,0022	K	NFTGTTEPC	G	
3156,431	-0,0132	0	39,43	0,0021	K	NFTGTTEPC	G	
3156,431	-0,0056	0	36,09	0,0047	K	NFTGTTEPC	G	
3156,431	-0,004	0	36,67	0,0043	K	NFTGTTEPC	G	
3156,431	-0,0032	0	33,5	0,009	K	NFTGTTEPC	G	
3191,52	-0,0029	1	95,13	1.20E-08	E	PGFTSINSS	A	
3579,68	-0,0052	1	38,97	0,0037	T	GTTEPGFTS	A	
3680,727	-0,0058	1	48,27	0,00042	F	TGTTEPGFT	A	
3941,839	-0,0019	1	187,72	3.80E-18	K	NFTGTTEPC	A	
3941,839	0,0022	1	101,53	1.70E-09	K	NFTGTTEPC	A	
938,4821	-0,014	0	40,25	0,0073	L	PIDNPEVR	R	
938,4821	-0,0139	0	66,02	1.90E-05	L	PIDNPEVR	R	
938,4821	-0,0103	0	44,78	0,0025	L	PIDNPEVR	R	
982,4832	-0,0107	0	49,78	0,00074	L	EDISNHIR	A	
982,5124	-0,0135	0	51,61	0,00057	S	VFGYVVDG	E	
1005,561	-0,0071	1	38,82	0,0041	K	EQVISFRK	S	
1005,561	-0,0056	1	36,78	0,0061	K	EQVISFRK	S	
1051,566	-0,0141	0	34,84	0,011	A	LPIDNPEVR	R	
1051,566	-0,0141	0	53,34	0,00016	A	LPIDNPEVR	R	
1051,566	-0,0116	0	58,6	4.50E-05	A	LPIDNPEVR	R	
1051,566	-0,0113	0	35,57	0,0089	A	LPIDNPEVR	R	
1051,566	-0,0113	0	58,7	4.40E-05	A	LPIDNPEVR	R	
1051,566	-0,0111	0	51,83	0,00021	A	LPIDNPEVR	R	
1051,566	-0,0107	0	41,72	0,0022	A	LPIDNPEVR	R	
1095,567	-0,0066	0	52,36	0,00021	S	LEDISNHIR	A	
1095,567	-0,0055	0	43,21	0,0016	S	LEDISNHIR	A	
1102,523	-0,0143	0	66,18	1.40E-05	T	PPGFNLMD	Y	
1102,523	-0,0127	0	71,02	5.00E-06	T	PPGFNLMD	Y	
1118,518	-0,0167	0	48,73	0,00064	T	PPGFNLMD	Y	
1126,581	-0,015	0	43,05	0,0048	K	FYDGLPFIR	S	
1144,634	-0,0082	0	62,82	5.00E-05	D	LTALTEAVE	D	
1144,634	-0,008	0	47,07	0,0018	D	LTALTEAVE	D	
1156,634	-0,0112	0	41,19	0,0076	Q	PEAETLLGS	T	
1156,634	-0,0109	0	71,35	7.30E-06	Q	PEAETLLGS	T	
1156,634	-0,0106	0	55,7	0,00026	Q	PEAETLLGS	T	
1156,634	-0,01	0	53,43	0,00043	Q	PEAETLLGS	T	
1156,634	-0,0057	0	48,26	0,0015	Q	PEAETLLGS	T	
1173,624	-0,0142	1	68,36	8.70E-06	T	ALTEAVEAK	E	
1173,661	-0,0076	1	41,6	0,0028	A	NLTITLKEDI	I	
1174,646	-0,0146	1	47,09	0,0018	A	GNFVDLVQ	F	
1181,615	-0,0076	1	42,31	0,0021	L	EDISNHIRA	R	
1181,615	-0,0052	1	42,33	0,0021	L	EDISNHIRA	R	
1181,615	-0,0037	1	44,65	0,0012	L	EDISNHIRA	R	
1182,599	-0,0122	0	48,6	0,0013	D	SLEDISNHI	A	
1182,599	-0,0061	0	73,8	4.10E-06	D	SLEDISNHI	A	
1182,599	-0,005	0	59,74	0,0001	D	SLEDISNHI	A	
1207,667	-0,0066	1	54,23	0,0001	A	LPIDNPEVR	L	

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1207,667	-0,0066	1	51,62	0,00019	A	LPIDNPEVR L
1207,667	-0,0064	1	33	0,014	A	LPIDNPEVR L
1207,667	-0,0056	1	35,64	0,0074	A	LPIDNPEVR L
1207,667	-0,0054	1	48,88	0,00035	A	LPIDNPEVR L
1207,667	-0,002	1	60,66	2.20E-05	A	LPIDNPEVR L
1232,608	-0,0141	0	56,72	0,00021	R	YSVFGYVVI E
1232,608	-0,0115	0	87,99	1.60E-07	R	YSVFGYVVI E
1232,608	-0,0113	0	75,41	2.90E-06	R	YSVFGYVVI E
1232,608	-0,0113	0	81,14	8.10E-07	R	YSVFGYVVI E
1232,608	-0,0066	0	80,8	8.80E-07	R	YSVFGYVVI E
1232,608	-0,0057	0	44,66	0,0036	R	YSVFGYVVI E
1244,698	-0,0086	1	40,65	0,0066	A	ANLTITLKEI I
1244,698	-0,0083	1	42,09	0,0047	A	ANLTITLKEI I
1245,683	-0,0095	1	51,45	0,00036	N	AGNFVDLV F
1247,588	-0,008	0	59,96	3.50E-05	K	ETLEQLSEC I
1247,588	-0,0073	0	76,23	8.60E-07	K	ETLEQLSEC I
1247,588	-0,0044	0	60,18	3.60E-05	K	ETLEQLSEC I
1254,676	-0,0124	1	43,95	0,004	R	KFYDGLPFI S
1254,676	-0,0101	1	42,66	0,0051	R	KFYDGLPFI S
1254,676	-0,0095	1	41,92	0,0062	R	KFYDGLPFI S
1254,676	-0,0077	1	44,7	0,0032	R	KFYDGLPFI S
1254,676	-0,0059	1	42,41	0,0054	R	KFYDGLPFI S
1274,672	-0,0092	1	75,55	3.20E-06	L	TALTEAVEA E
1274,672	-0,0089	1	95,6	3.20E-08	L	TALTEAVEA E
1278,704	-0,0022	1	38,6	0,0091	Y	ALPIDNPEV L
1284,671	-0,0131	0	69,06	1.30E-05	I	PEEFANLPC G
1284,693	-0,0067	0	60,84	9.20E-05	R	QPEAETLLC T
1285,667	-0,0091	0	63,67	2.40E-05	R	YALPIDNPE R
1285,667	-0,0063	0	58,42	8.30E-05	R	YALPIDNPE R
1285,667	-0,0047	0	36,76	0,012	R	YALPIDNPE R
1297,626	-0,0106	0	38,76	0,005	Q	DSLEDISN† A
1297,626	-0,0056	0	47,63	0,00062	Q	DSLEDISN† A
1297,626	-0,0054	0	98,06	5.40E-09	Q	DSLEDISN† A
1297,626	-0,0046	0	66,39	8.00E-06	Q	DSLEDISN† A
1297,626	-0,0036	0	54,51	0,00013	Q	DSLEDISN† A
1297,626	-0,0036	0	66,26	8.90E-06	Q	DSLEDISN† A
1297,626	-0,0025	0	68,49	5.30E-06	Q	DSLEDISN† A
1297,626	-0,0021	0	37,94	0,006	Q	DSLEDISN† A
1297,626	-0,0007	0	67,61	6.50E-06	Q	DSLEDISN† A
1297,626	0,0008	0	59,25	4.60E-05	Q	DSLEDISN† A
1313,767	-0,0084	1	37,99	0,004	K	DVRAANLTI E
1313,767	-0,0057	1	36,17	0,0062	K	DVRAANLTI E
1313,767	-0,0042	1	34,06	0,0092	K	DVRAANLTI E
1313,767	-0,0022	1	59,46	2.60E-05	K	DVRAANLTI E
1313,767	-0,0009	1	56,01	5.00E-05	K	DVRAANLTI E
1313,807	-0,0102	1	54,91	2.60E-05	E	YRAIPLEILV G
1315,735	-0,0111	1	59,25	5.30E-05	R	AANLTITLKEI I
1315,735	-0,0104	1	44,82	0,0015	R	AANLTITLKEI I

1315,735	-0,0079	1	41,79	0,003	R	AANLTITLKE I
1315,735	-0,0076	1	87,76	7.30E-08	R	AANLTITLKE I
1315,735	-0,0052	1	78,6	5.40E-07	R	AANLTITLKE I
1315,735	-0,0037	1	85,41	1.20E-07	R	AANLTITLKE I
1355,672	-0,0108	0	53,8	0,00015	P	PGPEAGFI E
1359,726	-0,003	1	57,61	0,0001	I	NAGNFVDL F
1360,709	-0,0087	0	41,43	0,0086	K	TDLTALTEA' D
1360,709	-0,0077	0	52,43	0,00071	K	TDLTALTEA' D
1360,709	-0,0076	0	57,05	0,00024	K	TDLTALTEA' D
1360,709	-0,0067	0	71,46	8.70E-06	K	TDLTALTEA' D
1360,709	-0,0061	0	61,88	7.70E-05	K	TDLTALTEA' D
1360,709	-0,006	0	72,34	7.00E-06	K	TDLTALTEA' D
1360,709	-0,006	0	48,89	0,0016	K	TDLTALTEA' D
1360,709	-0,0059	0	77,96	1.90E-06	K	TDLTALTEA' D
1360,709	-0,0056	0	39,45	0,014	K	TDLTALTEA' D
1360,709	-0,0047	0	48,94	0,0016	K	TDLTALTEA' D
1360,709	-0,0046	0	44,52	0,0043	K	TDLTALTEA' D
1360,709	-0,0046	0	49,16	0,0015	K	TDLTALTEA' D
1360,709	-0,0044	0	44,58	0,0043	K	TDLTALTEA' D
1360,709	-0,0043	0	86,88	2.50E-07	K	TDLTALTEA' D
1360,709	-0,0037	0	72,34	7.20E-06	K	TDLTALTEA' D
1360,709	-0,003	0	74,59	4.20E-06	K	TDLTALTEA' D
1360,709	-0,0024	0	78,5	1.70E-06	K	TDLTALTEA' D
1361,641	-0,0063	0	88,64	5.00E-08	E	PNGGSSQF F
1381,731	-0,0074	0	60,09	3.90E-05	A	QGNAITDPI Y
1381,731	-0,0047	0	39,54	0,0049	A	QGNAITDPI Y
1381,731	-0,0041	0	65,45	1.20E-05	A	QGNAITDPI Y
1387,756	-0,0081	1	55,66	0,00014	D	LTALTEAVE. E
1387,756	-0,0067	1	91,64	3.30E-08	D	LTALTEAVE. E
1387,756	-0,0041	1	43,99	0,002	D	LTALTEAVE. E
1425,685	-0,0042	0	83,65	1.70E-07	L	QDSLEDISN A
1425,685	-0,0041	0	81,31	2.90E-07	L	QDSLEDISN A
1425,685	-0,0025	0	80,48	3.60E-07	L	QDSLEDISN A
1425,685	-0,0019	0	65,49	1.10E-05	L	QDSLEDISN A
1425,685	-0,0001	0	66,72	8.40E-06	L	QDSLEDISN A
1425,685	0,0018	0	83,81	1.60E-07	L	QDSLEDISN A
1425,685	0,0024	0	101,65	2.70E-09	L	QDSLEDISN A
1432,705	-0,0066	1	63,71	4.50E-05	D	GKETLEQLS I
1441,768	-0,0067	0	77,87	1.00E-06	A	PINAGNFVI K
1441,768	-0,0061	1	47,55	0,0011	R	YALPIDNPE L
1441,768	-0,0013	1	38,18	0,0089	R	YALPIDNPE L
1441,768	-0,0011	1	58,36	8.50E-05	R	YALPIDNPE L
1441,768	0,0006	1	64,64	2.00E-05	R	YALPIDNPE L
1442,85	-0,0057	1	39,07	0,0032	K	EYRAIPLEIL G
1442,85	-0,0042	1	50,97	0,0002	K	EYRAIPLEIL G
1452,725	-0,0063	0	78,34	1.50E-06	D	PPGPEAGFI E
1452,725	-0,005	0	63,84	4.30E-05	D	PPGPEAGFI E
1452,725	-0,005	0	90,06	1.00E-07	D	PPGPEAGFI E



1452,725	-0,0047	0	94,09	4.10E-08	D	PPGPEAGFI E
1452,725	-0,0043	0	62,86	5.40E-05	D	PPGPEAGFI E
1452,725	-0,0033	0	85,76	2.70E-07	D	PPGPEAGFI E
1452,725	-0,003	0	59,34	0,00012	D	PPGPEAGFI E
1452,725	-0,0023	0	91,09	8.20E-08	D	PPGPEAGFI E
1452,725	-0,0017	0	73,95	4.20E-06	D	PPGPEAGFI E
1452,725	0,0012	0	82,88	5.50E-07	D	PPGPEAGFI E
1452,769	-0,0057	0	54,02	0,00038	L	AQGNAITDI Y
1452,769	-0,0032	0	72,55	5.20E-06	L	AQGNAITDI Y
1496,758	-0,0082	1	64,05	4.20E-05	Q	DSLEDISN F R
1502,783	-0,0096	1	53,92	0,00048	T	DLTALTEAV E
1538,769	-0,0157	0	54,74	0,00016	R	LQDSLEDIS A
1538,769	-0,0127	0	59,82	5.10E-05	R	LQDSLEDIS A
1538,769	-0,0119	0	89,04	6.00E-08	R	LQDSLEDIS A
1538,769	-0,0104	0	79,47	1.20E-06	R	LQDSLEDIS A
1538,769	-0,0101	0	56,98	0,00022	R	LQDSLEDIS A
1538,769	-0,0099	0	68,54	1.50E-05	R	LQDSLEDIS A
1538,769	-0,0084	0	47,12	0,0021	R	LQDSLEDIS A
1538,769	-0,0071	0	81,87	7.10E-07	R	LQDSLEDIS A
1538,769	-0,0044	0	51,3	0,0008	R	LQDSLEDIS A
1538,769	-0,0043	0	113,16	5.20E-10	R	LQDSLEDIS A
1538,769	-0,0016	0	97,49	1.90E-08	R	LQDSLEDIS A
1538,769	-0,0009	0	103,07	5.30E-09	R	LQDSLEDIS A
1538,769	0,0005	0	91,18	8.30E-08	R	LQDSLEDIS A
1547,732	-0,0074	1	66,4	8.70E-06	V	DGKETLEQI I
1565,853	0,0017	0	60,41	3.30E-05	A	LAQGNAITI Y
1569,863	-0,0208	1	57,44	0,00018	A	PINAGNFVI F
1569,863	-0,0023	1	66,06	1.10E-05	A	PINAGNFVI F
1569,863	-0,0011	1	110,94	3.60E-10	A	PINAGNFVI F
1569,863	-0,0006	1	67,56	7.80E-06	A	PINAGNFVI F
1569,863	0,0006	1	124,77	1.50E-11	A	PINAGNFVI F
1603,831	-0,0045	1	42,65	0,0033	K	TDLTALTEA' E
1603,831	-0,001	1	96,81	1.20E-08	K	TDLTALTEA' E
1603,831	-0,0009	1	48,9	0,00077	K	TDLTALTEA' E
1603,831	0,0007	1	73,42	2.60E-06	K	TDLTALTEA' E
1603,831	0,0017	1	94,11	2.20E-08	K	TDLTALTEA' E
1603,831	0,0022	1	122,3	3.40E-11	K	TDLTALTEA' E
1603,831	0,0033	1	116,17	1.50E-10	K	TDLTALTEA' E
1603,831	0,0047	1	95,52	1.60E-08	K	TDLTALTEA' E
1624,817	-0,0133	1	38,98	0,013	L	QDSLEDISN R
1636,89	-0,0087	0	53,78	0,00034	G	ALAQGNAIT Y
1636,89	-0,0076	0	131,57	5.20E-12	G	ALAQGNAIT Y
1636,89	-0,0071	0	64,4	2.70E-05	G	ALAQGNAIT Y
1636,89	-0,0062	0	63,32	3.50E-05	G	ALAQGNAIT Y
1636,89	-0,006	0	89,19	9.10E-08	G	ALAQGNAIT Y
1636,89	-0,0055	0	45	0,0024	G	ALAQGNAIT Y
1636,89	-0,005	0	88,29	1.10E-07	G	ALAQGNAIT Y
1636,89	-0,0044	0	65,02	2.30E-05	G	ALAQGNAIT Y

1636,89	-0,0038	0	91,38	5.20E-08	G	ALAQGNATY
1636,89	-0,0028	0	122,27	4.20E-11	G	ALAQGNATY
1636,89	-0,0025	0	80,86	5.80E-07	G	ALAQGNATY
1636,89	-0,0023	0	76	1.80E-06	G	ALAQGNATY
1636,89	-0,002	0	40,3	0,0066	G	ALAQGNATY
1636,89	-0,002	0	54,76	0,00024	G	ALAQGNATY
1636,89	-0,0018	0	80,99	5.70E-07	G	ALAQGNATY
1636,89	-0,0011	0	75,68	1.90E-06	G	ALAQGNATY
1636,89	-0,0001	0	37,33	0,013	G	ALAQGNATY
1636,89	0	0	50,4	0,00062	G	ALAQGNATY
1636,89	0,0004	0	57,25	0,00013	G	ALAQGNATY
1636,89	0,0017	0	40,44	0,0063	G	ALAQGNATY
1636,89	0,0019	0	107,91	1.10E-09	G	ALAQGNATY
1636,89	0,0024	0	126,66	1.50E-11	G	ALAQGNATY
1636,89	0,0029	0	86,99	1.30E-07	G	ALAQGNATY
1636,89	0,004	0	97,02	1.30E-08	G	ALAQGNATY
1636,89	0,0053	0	97,78	1.10E-08	G	ALAQGNATY
1640,9	-0,0034	1	110,77	6.70E-10	S	APINAGNF F
1640,9	0	1	136,16	1.80E-12	S	APINAGNF F
1646,8	-0,0052	1	120,13	9.50E-11	V	VDGKETLECI
1646,8	-0,0041	1	73,32	4.70E-06	V	VDGKETLECI
1685,931	-0,0139	2	53,56	0,00021	K	DVRAANLTI
1685,931	-0,012	2	51,67	0,00031	K	DVRAANLTI
1685,931	-0,0089	2	56,84	9.40E-05	K	DVRAANLTI
1685,931	-0,0053	2	39,79	0,0045	K	DVRAANLTI
1685,931	-0,0045	2	86,63	9.40E-08	K	DVRAANLTI
1685,931	-0,0013	2	75,88	1.00E-06	K	DVRAANLTI
1694,87	-0,0226	1	68,54	7.30E-06	R	RLQDSLED A
1694,87	-0,019	1	76,77	1.10E-06	R	RLQDSLED A
1694,87	-0,0186	1	80,43	4.80E-07	R	RLQDSLED A
1694,87	-0,0173	1	49,22	0,00064	R	RLQDSLED A
1694,87	-0,0173	1	51,32	0,0004	R	RLQDSLED A
1694,87	-0,013	1	97,28	9.50E-09	R	RLQDSLED A
1694,87	-0,0122	1	42,16	0,0031	R	RLQDSLED A
1694,87	-0,0121	1	47,97	0,00081	R	RLQDSLED A
1694,87	-0,0119	1	54,44	0,00018	R	RLQDSLED A
1694,87	-0,0116	1	62,21	3.00E-05	R	RLQDSLED A
1694,87	-0,0103	1	95,14	3.20E-08	R	RLQDSLED A
1694,87	-0,0101	1	49,57	0,00056	R	RLQDSLED A
1694,87	-0,0087	1	56,81	0,0001	R	RLQDSLED A
1694,87	-0,0084	1	57,32	9.30E-05	R	RLQDSLED A
1694,87	-0,003	1	85,42	3.00E-07	R	RLQDSLED A
1723,91	-0,0187	1	49,47	0,00057	V	PADRQPEAT
1723,91	-0,0038	1	38,59	0,0066	V	PADRQPEAT
1723,91	-0,0033	1	45,77	0,0013	V	PADRQPEAT
1723,91	-0,0021	1	73,37	2.20E-06	V	PADRQPEAT
1723,91	-0,0005	1	95,95	1.20E-08	V	PADRQPEAT
1723,91	0,006	1	86,22	1.10E-07	V	PADRQPEAT

1723,91	0,0088	1	96,16	1.00E-08	V	PADRQPEA T
1727,932	-0,0002	1	140,57	4.50E-13	Y	SAPINAGN F
1727,932	0	1	118,84	6.80E-11	Y	SAPINAGN F
1737,901	-0,0209	1	66,66	2.50E-05	R	LQDSLEDIS R
1737,901	-0,0073	1	81,94	3.50E-07	R	LQDSLEDIS R
1745,868	-0,0085	1	36,72	0,012	Y	VVDGKETLI I
1745,868	-0,0066	1	81,58	4.00E-07	Y	VVDGKETLI I
1808,84	-0,0058	0	40,76	0,0051	K	FDTELTTPG Y
1822,979	0,0018	1	54,46	0,00027	G	VPADRQPE T
1890,995	-0,0018	1	48,37	0,0014	G	YSAPINAGN F
1894,002	-0,0248	2	55,36	0,00032	R	RLQDSLED R
1894,002	-0,014	2	40,07	0,011	R	RLQDSLED R
1894,002	-0,0105	2	68,7	1.40E-05	R	RLQDSLED R
1908,932	-0,004	1	80,76	8.40E-07	G	YVVDGKETI I
1948,017	-0,0082	1	37,46	0,01	D	GYSAPINAC F
1948,017	-0,0055	1	91,07	4.50E-08	D	GYSAPINAC F
1948,017	-0,0042	1	134,92	1.80E-12	D	GYSAPINAC F
1951,037	-0,022	1	47,21	0,0021	L	AGVPADRQ T
1951,037	-0,0059	1	100,05	8.90E-09	L	AGVPADRQ T
1951,037	-0,0049	1	93,97	3.60E-08	L	AGVPADRQ T
1951,037	-0,0047	1	44,91	0,0028	L	AGVPADRQ T
1951,037	-0,0042	1	84,99	2.80E-07	L	AGVPADRQ T
1951,037	0,0024	1	37,98	0,013	L	AGVPADRQ T
1965,953	-0,0023	1	90,91	4.10E-08	F	GYVVDGKE I
1965,953	0,0001	1	118,74	6.70E-11	F	GYVVDGKE I
2023,985	-0,0018	0	62,11	3.30E-05	F	VTQAGDPP E
2023,985	0,009	0	65,62	1.50E-05	F	VTQAGDPP E
2044,964	-0,0138	0	61,88	2.00E-05	L	ARPETEPN( F
2044,964	-0,0091	0	36,31	0,008	L	ARPETEPN( F
2063,044	-0,0062	1	61,8	7.10E-05	V	DGYSAPIN/ F
2063,044	-0,0055	1	131,2	8.30E-12	V	DGYSAPIN/ F
2106,17	-0,0082	2	66,93	5.10E-06	D	PNAILRYAL L
2106,17	-0,007	2	34,23	0,0096	D	PNAILRYAL L
2113,022	-0,004	1	106,64	1.90E-09	V	FGYVVDGK I
2162,112	-0,0033	1	81,76	4.00E-07	V	VDGYSAPIN F
2162,112	-0,0033	1	46,44	0,0014	V	VDGYSAPIN F
2177,206	-0,0203	1	53,99	0,00013	K	ILAGVPADF T
2177,206	-0,0162	1	59,17	3.90E-05	K	ILAGVPADF T
2177,206	-0,0158	1	94,18	1.20E-08	K	ILAGVPADF T
2177,206	-0,0153	1	39,08	0,004	K	ILAGVPADF T
2177,206	-0,0144	1	83,7	1.30E-07	K	ILAGVPADF T
2177,206	-0,0136	1	65	9.90E-06	K	ILAGVPADF T
2177,206	-0,0135	1	63,27	1.40E-05	K	ILAGVPADF T
2177,206	-0,013	1	40,88	0,0024	K	ILAGVPADF T
2177,206	-0,0125	1	94,74	1.00E-08	K	ILAGVPADF T
2177,206	-0,0113	1	67,67	5.10E-06	K	ILAGVPADF T
2177,206	-0,0077	1	96,98	9.50E-09	K	ILAGVPADF T
2177,206	-0,0047	1	42,59	0,0016	K	ILAGVPADF T

2177,206	-0,0036	1	77,97	4.30E-07	K	ILAGVPADF T	
2177,206	0,0008	1	50,06	0,00025	K	ILAGVPADF T	
2212,09	-0,0041	1	94,01	2.10E-08	S	VFGYVVDG I	
2261,18	-0,009	1	135,41	2.80E-12	I	VVDGYSAP F	
2261,18	-0,0057	1	51,48	0,00069	I	VVDGYSAP F	
2462,185	-0,0131	1	173,88	1.70E-16	R	YSVFGYVVI I	
2462,185	-0,0088	1	57,84	7.10E-05	R	YSVFGYVVI I	
2462,185	-0,008	1	65,85	1.10E-05	R	YSVFGYVVI I	
2462,185	-0,0074	1	128,94	5.60E-12	R	YSVFGYVVI I	
2463,286	-0,0031	2	72,51	2.80E-06	K	TDLTALTEA' K	
2463,286	-0,0014	2	110,29	4.60E-10	K	TDLTALTEA' K	
2614,376	-0,0148	0	42,44	0,0031	K	GPLTIVVDG K	
2649,387	-0,0094	1	44,81	0,0017	A	QGNAITDPI R	
2696,33	-0,0042	0	61,51	3.80E-05	K	SALTAIGDL A	
2720,425	-0,0099	1	41,03	0,004	L	AQGNAITDI R	
2720,425	-0,0043	1	70,09	5.00E-06	L	AQGNAITDI R	
2742,471	-0,0093	1	74,03	1.60E-06	K	GPLTIVVDG F	
2742,471	-0,006	1	158,92	5.00E-15	K	GPLTIVVDG F	
2742,471	0,0036	1	77,06	7.00E-07	K	GPLTIVVDG F	
2904,546	-0,0097	1	64,08	1.60E-05	G	ALAQGNAIL R	
3060,647	-0,0012	2	66,21	7.40E-06	G	ALAQGNAIL L	
3060,647	0,0022	2	46,45	0,00069	G	ALAQGNAIL L	
3460,784	-0,0138	0	50,73	0,00089	K	SALTAIGDL G	
3460,784	-0,0031	0	46,99	0,0021	K	SALTAIGDL G	
3460,784	0,0095	0	69,19	1.10E-05	K	SALTAIGDL G	
3519,904	0,0001	2	44,25	0,00082	K	ILAGVPADF D	
3519,904	0,0003	2	77,02	4.30E-07	K	ILAGVPADF D	
3757,794	-0,0137	1	84,68	2.40E-07	K	FYDGLPFIR E	
3757,794	-0,0062	1	73,92	2.90E-06	K	FYDGLPFIR E	
959,6168	-0,0083	1	49,98	2.70E-05	K	LVVFLNKK D	
959,6168	-0,0083	1	57,84	4.40E-06	K	LVVFLNKK D	
1142,655	-0,0125	0	55,9	0,0002	K	VGEEISIVGI D	
1142,655	-0,0116	0	48,5	0,0011	K	VGEEISIVGI D	
1142,655	-0,0101	0	42,13	0,0048	K	VGEEISIVGI D	
1142,655	-0,0085	0	81,77	5.00E-07	K	VGEEISIVGI D	
1142,655	-0,0082	0	83,34	3.50E-07	K	VGEEISIVGI D	
1142,655	-0,0066	0	82,71	3.10E-07	K	VGEEISIVGI D	
1184,749	-0,0074	1	56,72	1.60E-05	R	TIGAGVVS K -	
1184,749	-0,0068	1	47,65	9.40E-05	R	TIGAGVVS K -	
1184,749	-0,0058	1	77,19	1.10E-07	R	TIGAGVVS K -	
1209,606	-0,0068	0	82,57	2.30E-07	K	ATVTGVEMI T	
1209,606	0,0028	0	68,27	6.20E-06	K	ATVTGVEMI T	
1225,601	-0,0067	0	52,37	0,00019	K	ATVTGVEMI T	Oxidation (I
1229,673	-0,0087	1	43,47	0,0025	R	EGGRTIGA( I	
1229,673	-0,0066	1	37,3	0,01	R	EGGRTIGA( I	
1229,673	-0,0024	1	63,16	2.50E-05	R	EGGRTIGA( I	
1229,698	-0,0083	1	55,78	0,00011	E	EISIVGIKDT K	
1270,75	-0,0094	1	48,7	0,00048	V	KVGEEISIV( D	

1274,69	-0,0092	0	73,87	4.20E-06	A	AITMTLAELIA	
1274,69	-0,008	0	74,23	3.80E-06	A	AITMTLAELIA	
1278,562	-0,011	0	34,93	0,0085	K	YEDIDAAPE A	
1278,562	-0,0083	0	60,37	2.50E-05	K	YEDIDAAPE A	
1278,562	-0,0082	0	41,26	0,0021	K	YEDIDAAPE A	
1278,562	-0,0058	0	46,64	0,00066	K	YEDIDAAPE A	
1278,562	-0,0055	0	60,98	2.40E-05	K	YEDIDAAPE A	
1278,562	-0,005	0	54,46	0,00011	K	YEDIDAAPE A	
1292,589	-0,0059	0	58,71	6.40E-05	K	AVDDYIDTF E	
1292,589	-0,0051	0	63,72	2.10E-05	K	AVDDYIDTF E	
1337,701	-0,0056	1	65,01	1.30E-05	R	KATVTGVENT	
1337,701	-0,0052	1	45,69	0,0011	R	KATVTGVENT	
1337,701	-0,0041	1	80,64	3.30E-07	R	KATVTGVENT	
1337,701	-0,0035	1	89,22	4.60E-08	R	KATVTGVENT	
1337,701	-0,0009	1	75,96	1.00E-06	R	KATVTGVENT	
1337,701	-0,0009	1	92,9	2.10E-08	R	KATVTGVENT	
1337,701	0,0003	1	55,27	0,00012	R	KATVTGVENT	
1351,706	-0,005	1	47,23	0,00088	K	EYKDAILELIA	
1351,706	-0,0032	1	69,03	5.20E-06	K	EYKDAILELIA	
1351,706	-0,0027	1	67,01	8.20E-06	K	EYKDAILELIA	
1351,706	-0,0021	1	40,7	0,0035	K	EYKDAILELIA	
1351,735	-0,0086	0	47,09	0,00073	F	PGDDIPIVA A	
1358,741	-0,0048	1	78	1.60E-06	G	EEISIVGIK K	
1367,701	-0,0048	1	36,28	0,011	K	EYKDAILELIA	Oxidation (I
1367,701	0,0002	1	39,78	0,0047	K	EYKDAILELIA	Oxidation (I
1369,818	-0,0045	1	63,57	6.30E-06	K	VKVGEESIS\ D	
1369,818	-0,0044	1	60,34	1.30E-05	K	VKVGEESIS\ D	
1369,818	-0,0008	1	68,55	2.00E-06	K	VKVGEESIS\ D	
1406,657	-0,0084	1	74,32	2.30E-06	R	KYEDIDAAF A	
1406,657	-0,0041	1	79,31	8.00E-07	R	KYEDIDAAF A	
1415,762	-0,0054	1	73,84	2.40E-06	V	GEEISIVGIK K	
1415,762	-0,0027	1	67,18	1.00E-05	V	GEEISIVGIK K	
1415,762	-0,0017	1	37,78	0,0095	V	GEEISIVGIK K	
1452,841	-0,0018	1	84,54	1.20E-07	M	AGDNVGLL E	
1472,729	-0,0032	0	70,18	9.90E-06	L	EEGMAGD\ G	
1472,729	-0,0004	0	56,01	0,00026	L	EEGMAGD\ G	
1488,724	-0,0093	0	54,68	0,00031	L	EEGMAGD\ G	Oxidation (I
1514,83	-0,0135	1	42,22	0,003	K	VGEEISIVGI K	
1514,83	-0,006	1	112,36	4.80E-10	K	VGEEISIVGI K	
1514,83	-0,0053	1	44,32	0,003	K	VGEEISIVGI K	
1514,83	-0,0047	1	84,9	2.60E-07	K	VGEEISIVGI K	
1514,83	-0,0042	1	50,59	0,00071	K	VGEEISIVGI K	
1514,83	-0,0009	1	77,32	1.40E-06	K	VGEEISIVGI K	
1597,796	-0,008	0	59,78	4.90E-05	K	DHVNIGTIC T	
1597,796	-0,006	0	49,18	0,00059	K	DHVNIGTIC T	
1597,796	-0,0052	0	46,77	0,001	K	DHVNIGTIC T	
1603,77	-0,0042	1	49,47	0,0005	D	DGSAVEM\ M	
1633,795	-0,0111	2	45,85	0,0012	K	ARKYEDIDA A	

1640,903	0,0002	1	113,67	3.00E-10	E	GMAGDNV' E	
1649,703	-0,0108	0	31,93	0,0047	Y	TADDGSAV' I	
1680,855	-0,0039	0	77,13	2.00E-06	K	PFLMAVED' G	
1685,913	-0,0084	2	46,24	0,0012	R	GIQKEDIER' P	
1686,861	-0,0042	0	100,86	1.00E-08	K	TLEEGMAG' G	
1696,85	-0,0024	0	42,18	0,0066	K	PFLMAVED' G	Oxidation (I
1702,856	-0,0085	0	53,24	0,00054	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0079	0	59,75	0,00012	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0065	0	85,75	3.00E-07	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0058	0	121,03	9.10E-11	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0058	0	113,46	5.20E-10	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0054	0	55,67	0,00031	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0051	0	109,73	1.20E-09	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0049	0	83,76	4.90E-07	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0049	0	90	1.20E-07	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0045	0	69,39	1.30E-05	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0045	0	113,39	5.30E-10	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0029	0	39,78	0,012	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0025	0	129,01	1.50E-11	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0023	0	157,08	2.30E-14	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0019	0	53,11	0,00057	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0018	0	129,01	1.50E-11	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0017	0	99,32	1.40E-08	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0015	0	71,71	7.90E-06	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0015	0	40,65	0,01	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0013	0	42,44	0,0067	K	TLEEGMAG' G	Oxidation (I
1702,856	-0,0002	0	83,99	4.70E-07	K	TLEEGMAG' G	Oxidation (I
1702,856	0,0003	0	123,61	5.20E-11	K	TLEEGMAG' G	Oxidation (I
1702,856	0,001	0	104,32	4.40E-09	K	TLEEGMAG' G	Oxidation (I
1702,856	0,0014	0	75,72	3.10E-06	K	TLEEGMAG' G	Oxidation (I
1702,856	0,0026	0	100,93	9.40E-09	K	TLEEGMAG' G	Oxidation (I
1702,856	0,0033	0	106,31	2.70E-09	K	TLEEGMAG' G	Oxidation (I
1718,797	-0,0031	1	59,08	7.20E-05	A	DDGSAVEN' M	
1718,797	-0,0009	1	87,58	1.00E-07	A	DDGSAVEN' M	
1718,797	-0,0008	1	95,01	1.90E-08	A	DDGSAVEN' M	
1718,797	-0,0006	1	42,84	0,0031	A	DDGSAVEN' M	
1741,994	-0,0123	2	70,34	2.60E-06	K	VKVGEESIS\ K	
1741,994	-0,0112	2	40,98	0,0023	K	VKVGEESIS\ K	
1741,994	-0,0075	2	62,29	1.50E-05	K	VKVGEESIS\ K	
1761,955	-0,0022	0	85,3	1.30E-07	K	TTLTAAITM\ A	
1763,821	-0,0155	1	35,1	0,0083	K	AVDDYIDTF' P	
1763,821	-0,0109	1	75,58	8.40E-07	K	AVDDYIDTF' P	
1763,821	-0,0099	1	85,08	9.50E-08	K	AVDDYIDTF' P	
1763,821	-0,0094	1	43,72	0,0013	K	AVDDYIDTF' P	
1763,821	-0,0081	1	34,79	0,01	K	AVDDYIDTF' P	
1763,821	-0,008	1	39,88	0,0031	K	AVDDYIDTF' P	
1769,946	0,0015	1	70,64	4.50E-06	E	EGMAGDN' E	
1789,834	-0,0041	1	69,83	3.40E-06	T	ADDGSAVE' M	

1789,834	-0,0003	1	98,85	4.50E-09	T	ADDGSAVE M	
1789,834	0,0036	1	61,04	2.80E-05	T	ADDGSAVE M	
1789,834	0,0075	1	64,5	1.30E-05	T	ADDGSAVE M	
1804,859	-0,0072	0	45,59	0,0021	R	GITINTAHVI H	
1804,859	-0,0021	0	78,91	1.10E-06	R	GITINTAHVI H	
1804,859	-0,0008	0	54,8	0,00028	R	GITINTAHVI H	
1805,829	-0,0057	1	40,16	0,0024	T	ADDGSAVE M	Oxidation (I
1805,829	-0,002	1	46,83	0,00055	T	ADDGSAVE M	Oxidation (I
1845,933	-0,0034	0	57,83	0,0001	K	MTVELINPI/ F	2 Oxidation
1845,933	0,0006	0	62,18	3.70E-05	K	MTVELINPI/ F	2 Oxidation
1890,882	-0,0069	1	98,62	8.40E-09	Y	TADDGSAV M	
1890,882	-0,0028	1	74,68	2.20E-06	Y	TADDGSAV M	
1890,882	-0,0019	1	91,24	5.00E-08	Y	TADDGSAV M	
1890,882	0,0025	1	91,66	4.90E-08	Y	TADDGSAV M	
1898,988	0,0012	1	57,01	0,00021	L	EEGMAGDI E	
1899,798	-0,0046	0	131,98	5.50E-13	K	SYTADDGS. I	
1899,798	-0,0045	0	127,7	1.50E-12	K	SYTADDGS. I	
1899,798	-0,0044	0	55,23	2.60E-05	K	SYTADDGS. I	
1899,798	-0,0019	0	48,52	0,00013	K	SYTADDGS. I	
1899,798	-0,0006	0	78,46	1.30E-07	K	SYTADDGS. I	
1899,798	0,0041	0	127,29	1.70E-12	K	SYTADDGS. I	
1899,798	0,005	0	67,07	1.80E-06	K	SYTADDGS. I	
1906,877	-0,0037	1	58,1	7.80E-05	Y	TADDGSAV M	Oxidation (I
1915,793	-0,0113	0	92,54	4.70E-09	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0112	0	54,05	3.30E-05	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0098	0	102,7	4.60E-10	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0087	0	44,27	0,00033	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0086	0	57,31	1.60E-05	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0081	0	59,19	1.00E-05	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0078	0	74,8	2.80E-07	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0078	0	99,55	9.50E-10	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0069	0	72,4	4.80E-07	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0059	0	135,33	2.50E-13	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0059	0	42,13	0,00053	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0048	0	37,12	0,0017	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0043	0	112,5	4.90E-11	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0042	0	57,62	1.50E-05	K	SYTADDGS. I	Oxidation (I
1915,793	-0,003	0	74,78	2.80E-07	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0025	0	48,77	0,00011	K	SYTADDGS. I	Oxidation (I
1915,793	-0,0019	0	60,92	6.70E-06	K	SYTADDGS. I	Oxidation (I
1915,793	0	0	80,58	7.20E-08	K	SYTADDGS. I	Oxidation (I
1915,793	0,0002	0	119,64	8.90E-12	K	SYTADDGS. I	Oxidation (I
1915,793	0,0007	0	58,68	1.10E-05	K	SYTADDGS. I	Oxidation (I
1915,793	0,0035	0	87,33	1.50E-08	K	SYTADDGS. I	Oxidation (I
1915,793	0,0047	0	38,04	0,0013	K	SYTADDGS. I	Oxidation (I
1915,793	0,008	0	45,98	0,00022	K	SYTADDGS. I	Oxidation (I
1915,793	0,0081	0	34,17	0,0033	K	SYTADDGS. I	Oxidation (I
1931,788	-0,0141	0	70,82	7.50E-07	K	SYTADDGS. I	2 Oxidation

1931,788	-0,0085	0	67,46	1.60E-06	K	SYTADDGS. I	2 Oxidation
1931,788	-0,0013	0	32,63	0,0047	K	SYTADDGS. I	2 Oxidation
1941,964	-0,0084	0	44,62	0,0035	R	HTPFFANYF T	
1941,964	-0,0064	0	42,63	0,0055	R	HTPFFANYF T	
2002,005	-0,0161	0	62,13	6.60E-05	K	PGSITPHTE K	
2002,005	-0,0154	0	49,94	0,0011	K	PGSITPHTE K	
2002,005	-0,0152	0	72,51	6.10E-06	K	PGSITPHTE K	
2002,005	-0,0151	0	64,52	3.80E-05	K	PGSITPHTE K	
2031,997	-0,0208	1	50,11	0,00082	K	ARGITINTAI H	
2031,997	-0,012	1	49,43	0,001	K	ARGITINTAI H	
2044,987	-0,0253	0	68,66	4.90E-06	K	DMVDDEEL E	
2044,987	-0,0008	0	46,13	0,0022	K	DMVDDEEL E	
2113,12	-0,0095	1	100,26	9.30E-09	K	TLEEGMAG E	
2113,12	-0,0082	1	118,48	1.40E-10	K	TLEEGMAG E	
2113,12	-0,0013	1	96,64	2.00E-08	K	TLEEGMAG E	
2129,115	-0,0073	1	42,25	0,0034	K	TLEEGMAG E	Oxidation (I
2130,1	-0,0048	1	38,08	0,0095	K	PGSITPHTE E	
2140,977	-0,0086	1	114,47	1.50E-10	K	SYTADDGS. M	
2140,977	-0,0062	1	73,07	2.10E-06	K	SYTADDGS. M	
2140,977	-0,0036	1	70,84	3.70E-06	K	SYTADDGS. M	
2156,972	-0,0181	1	87,06	2.90E-08	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0162	1	45,38	0,00046	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0132	1	73,33	7.60E-07	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0111	1	92,36	9.60E-09	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0093	1	43,35	0,00079	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0077	1	118,82	2.30E-11	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0068	1	77,26	3.30E-07	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0066	1	110,07	1.80E-10	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0061	1	72,76	9.50E-07	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0058	1	87,36	3.50E-08	K	SYTADDGS. M	Oxidation (I
2156,972	-0,0057	1	32,2	0,011	K	SYTADDGS. M	Oxidation (I
2172,967	-0,0101	1	64,29	1.20E-05	K	SYTADDGS. M	2 Oxidation
2172,967	-0,0064	1	58,62	4.80E-05	K	SYTADDGS. M	2 Oxidation
2172,967	-0,0034	1	36,54	0,008	K	SYTADDGS. M	2 Oxidation
2283,201	-0,0167	2	95,14	1.70E-08	E	GMAGDNVIG	
2334,163	-0,0063	0	37,51	0,0099	R	ELLSDYDFF A	
2334,163	0,0013	0	76,94	1.20E-06	R	ELLSDYDFF A	
2339,099	-0,0074	1	53,23	0,00015	K	AVDDYIDTF V	Oxidation (I
2413,289	-0,0106	0	42,5	0,0054	M	VLAKEPGSIT K	
2541,286	-0,0104	2	64,42	2.10E-05	L	EEGMAGDNG	
2601,351	-0,0116	0	46,91	0,0012	R	GMVLAKPG K	
2601,351	-0,0115	0	45,95	0,0024	R	GMVLAKPG K	
2601,351	-0,0033	0	94,52	1.90E-08	R	GMVLAKPG K	
2601,351	-0,0024	0	39,59	0,0059	R	GMVLAKPG K	
2601,351	0,0001	0	50,9	0,00042	R	GMVLAKPG K	
2617,346	-0,0041	0	47,12	0,0023	R	GMVLAKPG K	Oxidation (I
2729,446	0,0097	1	44,41	0,0014	R	GMVLAKPG E	
2755,417	-0,0051	2	113,56	4.90E-10	K	TLEEGMAG G	



2755,417	-0,004	2	112,52	6.20E-10	K	TLEEGMAG	G	
3426,665	-0,0086	1	135,78	1.10E-12	K	AVDDYIDTF	G	
3426,665	0,0002	1	77,12	8.70E-07	K	AVDDYIDTF	G	
799,3977	-0,0089	0	36,38	0,0023	V	PGPNPYR	W	
799,3977	-0,0086	0	30,11	0,01	V	PGPNPYR	W	
811,444	-0,0098	0	33,2	0,0066	A	PGVSEPVK	A	
811,444	-0,0074	0	35,36	0,0038	A	PGVSEPVK	A	
811,444	-0,0064	0	38,28	0,0019	A	PGVSEPVK	A	
811,444	-0,0061	0	38,89	0,0017	A	PGVSEPVK	A	
882,4811	-0,0071	0	47,22	0,0011	E	APGVSEPVIA		
882,4811	-0,0062	0	37,85	0,0097	E	APGVSEPVIA		
882,4811	-0,0044	0	40,53	0,0048	E	APGVSEPVIA		
905,4971	-0,0079	1	43,05	0,0021	T	EQIFGGK	V	
979,4975	-0,0083	0	56,58	8.70E-05	K	TTEQIFGGK	K	
979,4975	-0,0077	0	41,97	0,0025	K	TTEQIFGGK	K	
991,4359	-0,0145	0	43,96	0,00061	L	PDGNGET	K	
991,4359	-0,0127	0	31,5	0,01	L	PDGNGET	K	
991,4359	-0,0115	0	33,46	0,0078	L	PDGNGET	K	
991,4359	-0,01	0	43,78	0,00074	L	PDGNGET	K	
991,4359	-0,01	0	44,02	0,0007	L	PDGNGET	K	
991,4359	-0,01	0	32,45	0,01	L	PDGNGET	K	
991,4359	-0,0098	0	50,64	0,00015	L	PDGNGET	K	
991,4359	-0,0097	0	36,87	0,0036	L	PDGNGET	K	
991,4359	-0,0093	0	62,18	1.10E-05	L	PDGNGET	K	
991,4359	-0,0085	0	45,51	0,0005	L	PDGNGET	K	
1006,545	-0,0055	1	41,52	0,0055	T	TEQIFGGK	V	
1011,524	-0,0099	0	36,31	0,0073	A	EAPGVSEP	A	
1011,524	-0,0069	0	36,54	0,0068	A	EAPGVSEP	A	
1011,524	-0,006	0	47,96	0,00049	A	EAPGVSEP	A	
1022,478	-0,0071	1	39,83	0,0066	P	DGNGETR	M	
1048,555	-0,0097	1	40,54	0,0098	M	FVNDGKIE	M	
1059,608	-0,0084	1	34,98	0,01	P	ERVPSVVF	T	
1059,608	-0,0068	1	34,19	0,012	P	ERVPSVVF	T	
1075,464	-0,0097	0	38,3	0,0016	R	YSMFVNDG	I	
1082,561	-0,0066	0	51,56	0,00057	G	AEAPGVSEI	A	
1104,52	-0,0088	0	44,32	0,0025	L	LPDGNGET	K	
1107,592	-0,0101	1	65,94	1.10E-05	K	TTEQIFGGK	V	
1107,592	-0,0094	1	71,98	2.70E-06	K	TTEQIFGGK	V	
1107,592	-0,0089	1	56,03	0,00011	K	TTEQIFGGK	V	
1107,592	-0,0082	1	45,02	0,0012	K	TTEQIFGGK	V	
1107,592	-0,0079	1	43,53	0,0017	K	TTEQIFGGK	V	
1107,592	-0,0072	1	57,8	6.30E-05	K	TTEQIFGGK	V	
1107,592	-0,0062	1	54,08	0,00015	K	TTEQIFGGK	V	
1107,592	-0,0058	1	34,53	0,014	K	TTEQIFGGK	V	
1107,592	-0,0034	1	36,74	0,0085	K	TTEQIFGGK	V	
1119,531	-0,0106	1	56,18	8.90E-05	L	PDGNGET	M	
1119,531	-0,0103	1	36,74	0,0078	L	PDGNGET	M	
1119,531	-0,01	1	54,88	0,00012	L	PDGNGET	M	

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1119,531	-0,0099	1	50,46	0,00033	L	PDGNGEFT M	
1119,531	-0,0084	1	66,95	7.60E-06	L	PDGNGEFT M	
1119,531	-0,008	1	37,08	0,0072	L	PDGNGEFT M	
1119,531	-0,0077	1	34,78	0,012	L	PDGNGEFT M	
1119,531	-0,0066	1	35,19	0,011	L	PDGNGEFT M	
1119,531	-0,0058	1	50,66	0,00034	L	PDGNGEFT M	
1119,531	-0,0054	1	55,56	0,00011	L	PDGNGEFT M	
1119,531	-0,0051	1	41,05	0,0031	L	PDGNGEFT M	
1119,531	-0,0047	1	62,84	2.00E-05	L	PDGNGEFT M	
1119,531	-0,0046	1	42,68	0,0021	L	PDGNGEFT M	
1119,531	-0,0033	1	50,16	0,00037	L	PDGNGEFT M	
1139,582	-0,0075	0	49,17	0,00041	K	GAEAPGVS A	
1139,582	-0,0072	0	56,98	6.70E-05	K	GAEAPGVS A	
1139,582	-0,007	0	41,79	0,0022	K	GAEAPGVS A	
1139,582	-0,0064	0	50,23	0,00032	K	GAEAPGVS A	
1139,582	-0,006	0	49,55	0,00037	K	GAEAPGVS A	
1156,66	-0,0122	1	40,51	0,0069	T	PERVPSVVF T	
1156,66	-0,0101	1	44,95	0,0024	T	PERVPSVVF T	
1156,66	-0,0084	1	37,89	0,011	T	PERVPSVVF T	
1156,66	-0,008	1	41,77	0,0046	T	PERVPSVVF T	
1156,66	-0,0078	1	38,78	0,0085	T	PERVPSVVF T	
1156,66	-0,0072	1	37,07	0,013	T	PERVPSVVF T	
1156,66	-0,0057	1	40,22	0,0065	T	PERVPSVVF T	
1156,66	-0,0053	1	44,94	0,0022	T	PERVPSVVF T	
1167,546	-0,0129	0	63,45	1.30E-05	T	PTCSSNHLY	
1167,546	-0,0127	0	50,33	0,00026	T	PTCSSNHLY	
1167,546	-0,012	0	72,79	1.40E-06	T	PTCSSNHLY	
1167,546	-0,011	0	63,8	1.20E-05	T	PTCSSNHLY	
1167,546	-0,0099	0	63,55	1.30E-05	T	PTCSSNHLY	
1167,546	-0,0098	0	66,42	6.70E-06	T	PTCSSNHLY	
1167,546	-0,0095	0	63,11	1.40E-05	T	PTCSSNHLY	
1167,546	-0,0057	0	63,59	1.40E-05	T	PTCSSNHLY	
1167,546	-0,0038	0	60,06	2.80E-05	T	PTCSSNHLY	
1167,546	-0,0023	0	62,6	1.90E-05	T	PTCSSNHLY	
1179,596	-0,0098	1	47,42	0,00084	S	MFVNDGKI M	
1179,596	-0,0072	1	47,14	0,00083	S	MFVNDGKI M	
1179,596	-0,0071	1	50,99	0,00034	S	MFVNDGKI M	
1179,596	-0,0044	1	39,66	0,0049	S	MFVNDGKI M	
1195,591	-0,0066	1	49,62	0,00043	S	MFVNDGKI M	
1232,615	-0,0097	1	65,77	2.80E-05	L	LPDGNGEF M	
1232,615	-0,0087	1	54,1	0,00042	L	LPDGNGEF M	
1232,615	-0,0077	1	50,75	0,00089	L	LPDGNGEF M	
1232,615	-0,0068	1	72,3	6.30E-06	L	LPDGNGEF M	
1232,615	-0,0066	1	61,63	7.30E-05	L	LPDGNGEF M	
1232,615	-0,0063	1	49,9	0,0011	L	LPDGNGEF M	
1232,615	-0,0058	1	59,86	0,00011	L	LPDGNGEF M	
1232,615	-0,0009	1	73,2	5.40E-06	L	LPDGNGEF M	
1257,708	-0,0084	1	54,09	0,00019	M	TPERVPSV T	

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1257,708	-0,0069	1	39,65	0,0051	M	TPERVPSV\ T	
1257,708	-0,0068	1	49,13	0,00057	M	TPERVPSV\ T	
1257,708	-0,0062	1	43,98	0,0017	M	TPERVPSV\ T	
1257,708	-0,0053	1	38,09	0,0066	M	TPERVPSV\ T	
1257,708	-0,0016	1	54,28	0,00015	M	TPERVPSV\ T	
1260,589	-0,0054	1	46,94	0,0014	P	GPNPYRWET	
1260,589	-0,0019	1	44,11	0,0027	P	GPNPYRWET	
1266,628	-0,0052	1	54,54	0,00032	Y	SMFVNDGk M	
1266,628	-0,0052	1	60,53	8.10E-05	Y	SMFVNDGk M	
1266,628	-0,0042	1	63,23	4.50E-05	Y	SMFVNDGk M	
1266,628	-0,0026	1	54,66	0,00032	Y	SMFVNDGk M	
1266,628	-0,0025	1	58	0,00015	Y	SMFVNDGk M	
1266,628	-0,0025	1	57,23	0,00018	Y	SMFVNDGk M	
1268,593	-0,0101	0	80,46	5.00E-07	F	TPTCSSNHI Y	
1268,593	-0,0096	0	72,15	3.40E-06	F	TPTCSSNHI Y	
1268,593	-0,0076	0	54,87	0,0002	F	TPTCSSNHI Y	
1268,593	-0,0059	0	41,52	0,0043	F	TPTCSSNHI Y	
1282,623	-0,0068	1	43,12	0,0043	Y	SMFVNDGk M	Oxidation (I
1282,623	-0,0065	1	38,94	0,011	Y	SMFVNDGk M	Oxidation (I
1282,623	-0,0065	1	39,61	0,0097	Y	SMFVNDGk M	Oxidation (I
1282,623	-0,0063	1	39,35	0,01	Y	SMFVNDGk M	Oxidation (I
1345,699	-0,0144	1	43,37	0,0029	K	LLPDGNGE M	
1345,699	-0,0083	1	49,57	0,00067	K	LLPDGNGE M	
1345,699	-0,0078	1	83,54	2.70E-07	K	LLPDGNGE M	
1345,699	-0,0075	1	70,4	5.50E-06	K	LLPDGNGE M	
1345,699	-0,0074	1	42,27	0,0036	K	LLPDGNGE M	
1345,699	-0,0065	1	51,63	0,00041	K	LLPDGNGE M	
1345,699	-0,0049	1	76,34	1.40E-06	K	LLPDGNGE M	
1345,699	-0,0047	1	44,42	0,0022	K	LLPDGNGE M	
1345,699	-0,0009	1	42,93	0,0029	K	LLPDGNGE M	
1345,699	0,0015	1	50,67	0,0005	K	LLPDGNGE M	
1357,642	-0,0108	1	34,71	0,011	V	PGPNPYRW\ T	
1357,642	-0,0077	1	49,91	0,00034	V	PGPNPYRW\ T	
1357,642	-0,0074	1	46,49	0,00075	V	PGPNPYRW\ T	
1357,642	-0,0073	1	53,84	0,00014	V	PGPNPYRW\ T	
1357,642	-0,0043	1	52,47	0,0002	V	PGPNPYRW\ T	
1357,642	-0,0029	1	46,15	0,00089	V	PGPNPYRW\ T	
1357,642	-0,0016	1	44,01	0,0014	V	PGPNPYRW\ T	
1357,642	-0,0009	1	48,64	0,00048	V	PGPNPYRW\ T	
1388,749	-0,0061	1	50,29	0,00096	-	MTPERVPS\ T	
1388,749	-0,0059	1	42,47	0,0058	-	MTPERVPS\ T	
1388,749	-0,0052	1	44,85	0,0033	-	MTPERVPS\ T	
1388,749	-0,0045	1	42,96	0,0051	-	MTPERVPS\ T	
1388,749	-0,004	1	45,8	0,0026	-	MTPERVPS\ T	
1388,749	-0,0038	1	48,29	0,0015	-	MTPERVPS\ T	
1388,749	0,0013	1	41,37	0,0074	-	MTPERVPS\ T	
1404,744	-0,0066	1	42,17	0,0062	-	MTPERVPS\ T	Oxidation (I
1404,744	-0,003	1	41,48	0,0075	-	MTPERVPS\ T	Oxidation (I

1415,662	-0,0063	0	58,35	4.60E-05	A	FTPTCSSN† Y	
1415,662	-0,0063	0	65,98	7.90E-06	A	FTPTCSSN† Y	
1429,691	-0,0166	1	45,79	0,00099	R	YSMFVNDG M	
1429,691	-0,012	1	45,06	0,0012	R	YSMFVNDG M	
1429,691	-0,0112	1	56,65	8.40E-05	R	YSMFVNDG M	
1429,691	-0,011	1	44,77	0,0013	R	YSMFVNDG M	
1429,691	-0,0087	1	54,05	0,00016	R	YSMFVNDG M	
1429,691	-0,0072	1	53,2	0,0002	R	YSMFVNDG M	
1429,691	-0,0071	1	60,05	4.10E-05	R	YSMFVNDG M	
1429,691	-0,007	1	35,01	0,013	R	YSMFVNDG M	
1429,691	-0,0061	1	43,65	0,0018	R	YSMFVNDG M	
1429,691	-0,0061	1	66,1	1.00E-05	R	YSMFVNDG M	
1429,691	-0,0058	1	61,5	3.00E-05	R	YSMFVNDG M	
1429,691	-0,0056	1	62,12	2.60E-05	R	YSMFVNDG M	
1429,691	-0,0054	1	68,15	6.40E-06	R	YSMFVNDG M	
1429,691	-0,0049	1	48,48	0,0006	R	YSMFVNDG M	
1429,691	-0,0049	1	50,07	0,00041	R	YSMFVNDG M	
1429,691	-0,0034	1	45,91	0,0011	R	YSMFVNDG M	
1429,691	-0,0031	1	55,04	0,00013	R	YSMFVNDG M	
1429,691	-0,0009	1	54,28	0,00016	R	YSMFVNDG M	
1429,691	-0,0002	1	44,9	0,0015	R	YSMFVNDG M	
1444,767	-0,0003	1	58,42	0,00015	K	VKLLPDGN† K	
1444,767	0,0008	1	52,99	0,00051	K	VKLLPDGN† K	
1444,767	0,0018	1	62,53	5.60E-05	K	VKLLPDGN† K	
1445,686	-0,0118	1	40,29	0,0032	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0112	1	85,24	1.00E-07	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0102	1	41,29	0,0026	R	YSMFVNDG M	Oxidation (I
1445,686	-0,01	1	44,12	0,0014	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0095	1	74,6	1.20E-06	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0093	1	82,85	1.80E-07	R	YSMFVNDG M	Oxidation (I
1445,686	-0,009	1	59,98	3.60E-05	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0089	1	58,75	4.80E-05	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0089	1	52,52	0,0002	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0088	1	61,92	2.30E-05	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0083	1	46	0,0009	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0082	1	84,87	1.20E-07	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0079	1	38,73	0,005	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0077	1	50,03	0,00037	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0077	1	50,11	0,00036	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0067	1	85,95	9.20E-08	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0052	1	67,4	6.70E-06	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0029	1	34,77	0,013	R	YSMFVNDG M	Oxidation (I
1445,686	-0,0018	1	67,8	6.50E-06	R	YSMFVNDG M	Oxidation (I
1445,686	0,0009	1	42,77	0,0022	R	YSMFVNDG M	Oxidation (I
1473,794	-0,0146	2	52,54	0,00049	V	KLLPDGNG M	
1473,794	-0,01	2	45,41	0,0024	V	KLLPDGNG M	
1473,794	-0,0061	2	40,34	0,0046	V	KLLPDGNG M	
1473,794	-0,0045	2	42,43	0,0029	V	KLLPDGNG M	

1484,737	-0,0071	1	46,74	0,0021	R	VRDESVPG W
1484,737	-0,0058	1	71,66	6.80E-06	R	VRDESVPG W
1484,737	-0,0047	1	65,38	3.00E-05	R	VRDESVPG W
1486,699	-0,0052	0	70	6.90E-06	G	AFTPTCSSN Y
1486,699	-0,0022	0	45,56	0,002	G	AFTPTCSSN Y
1486,699	0,0015	0	42,42	0,0043	G	AFTPTCSSN Y
1537,741	-0,011	1	54,3	0,00017	R	WEDKTTEQ K
1537,741	-0,0104	1	50,04	0,00045	R	WEDKTTEQ K
1543,72	-0,0089	0	47,66	0,00053	P	GAFTPTCSY Y
1543,72	-0,0087	0	63,78	1.30E-05	P	GAFTPTCSY Y
1543,72	-0,0054	0	89,03	3.90E-08	P	GAFTPTCSY Y
1543,72	-0,0012	0	62,85	1.80E-05	P	GAFTPTCSY Y
1543,72	-0,0007	0	81,93	2.30E-07	P	GAFTPTCSY Y
1543,72	0,0005	0	120,75	3.00E-11	P	GAFTPTCSY Y
1572,862	-0,0144	2	39,3	0,011	K	VKLLPDGNM M
1572,862	-0,0121	2	58,21	0,00014	K	VKLLPDGNM M
1572,862	-0,012	2	47,39	0,0017	K	VKLLPDGNM M
1572,862	-0,011	2	59,7	0,0001	K	VKLLPDGNM M
1572,862	-0,0063	2	39,92	0,0083	K	VKLLPDGNM M
1640,773	-0,0246	0	49,18	0,00034	L	PGAFTPTCSY Y
1640,773	-0,0228	0	35,63	0,0073	L	PGAFTPTCSY Y
1640,773	-0,0226	0	51,67	0,00018	L	PGAFTPTCSY Y
1640,773	-0,022	0	49,06	0,00033	L	PGAFTPTCSY Y
1640,773	-0,0218	0	77,87	4.60E-07	L	PGAFTPTCSY Y
1640,773	-0,021	0	102,41	1.60E-09	L	PGAFTPTCSY Y
1640,773	-0,0202	0	65,43	8.10E-06	L	PGAFTPTCSY Y
1640,773	-0,0198	0	87,05	5.60E-08	L	PGAFTPTCSY Y
1640,773	-0,0197	0	52,75	0,00015	L	PGAFTPTCSY Y
1640,773	-0,0193	0	83,01	1.40E-07	L	PGAFTPTCSY Y
1640,773	-0,019	0	71,57	1.90E-06	L	PGAFTPTCSY Y
1640,773	-0,0165	0	117,01	5.90E-11	L	PGAFTPTCSY Y
1640,773	-0,0128	0	82,11	1.90E-07	L	PGAFTPTCSY Y
1640,773	-0,0127	0	53,98	0,00012	L	PGAFTPTCSY Y
1640,773	-0,0125	0	77,03	6.00E-07	L	PGAFTPTCSY Y
1640,773	-0,0124	0	84,81	1.00E-07	L	PGAFTPTCSY Y
1640,773	-0,0123	0	82,23	1.80E-07	L	PGAFTPTCSY Y
1640,773	-0,0121	0	102,15	1.80E-09	L	PGAFTPTCSY Y
1640,773	-0,0119	0	59,9	3.10E-05	L	PGAFTPTCSY Y
1640,773	-0,0112	0	97,65	5.10E-09	L	PGAFTPTCSY Y
1640,773	-0,0062	0	81,28	5.20E-07	L	PGAFTPTCSY Y
1640,773	-0,0057	0	111,16	5.40E-10	L	PGAFTPTCSY Y
1640,773	-0,004	0	82,73	1.90E-07	L	PGAFTPTCSY Y
1640,773	-0,0038	0	95,92	1.80E-08	L	PGAFTPTCSY Y
1640,773	-0,0032	0	55,66	0,0002	L	PGAFTPTCSY Y
1640,773	-0,0026	0	54,32	0,00028	L	PGAFTPTCSY Y
1640,773	-0,0011	0	113,98	3.00E-10	L	PGAFTPTCSY Y
1640,773	-0,0009	0	107,81	1.20E-09	L	PGAFTPTCSY Y
1640,773	-0,0005	0	126	1.90E-11	L	PGAFTPTCSY Y

1640,773	-0,0001	0	83,88	3.10E-07	L	PGAFTPTC Y
1640,773	0,0014	0	115,9	2.00E-10	L	PGAFTPTC Y
1741,886	-0,0087	2	48,17	0,00096	K	TRVRDESVI W
1741,886	-0,0086	2	39,23	0,0076	K	TRVRDESVI W
1753,857	-0,0143	0	62,86	2.30E-05	S	LPGAFTPTC Y
1753,857	-0,0035	0	114,74	1.60E-10	S	LPGAFTPTC Y
1753,857	0,0066	0	109,22	6.20E-10	S	LPGAFTPTC Y
1759,78	-0,0034	0	65,26	5.50E-06	D	PFECSDAD G
1759,78	-0,0027	0	56	4.60E-05	D	PFECSDAD G
1787,812	-0,0067	1	47,93	0,00036	R	DESVPGPN T
1840,889	-0,0089	0	51,79	0,00057	F	SLPGAFTPT Y
1840,889	-0,0082	0	67,71	1.50E-05	F	SLPGAFTPT Y
1840,889	-0,0042	0	106,14	2.20E-09	F	SLPGAFTPT Y
1840,889	-0,0028	0	47,39	0,0017	F	SLPGAFTPT Y
1840,889	-0,0025	0	100,23	8.80E-09	F	SLPGAFTPT Y
1840,889	-0,0015	0	100,32	8.60E-09	F	SLPGAFTPT Y
1840,889	-0,0003	0	85,71	2.50E-07	F	SLPGAFTPT Y
1858,904	-0,0071	2	41,7	0,0031	R	SWRYSMFV M
1987,957	-0,008	0	66,93	9.20E-06	L	FSLPGAFTP Y
1987,957	-0,0056	0	101,06	3.50E-09	L	FSLPGAFTP Y
2042,981	-0,0204	2	40,82	0,0031	R	VRDESVPG T
2042,981	-0,0163	2	37,47	0,0072	R	VRDESVPG T
2042,981	-0,0119	2	51,61	0,0003	R	VRDESVPG T
2042,981	-0,0112	2	36,64	0,0093	R	VRDESVPG T
2042,981	-0,0094	2	35,79	0,011	R	VRDESVPG T
2042,981	-0,009	2	76,92	8.90E-07	R	VRDESVPG T
2042,981	-0,0087	2	48,22	0,00066	R	VRDESVPG T
2042,981	-0,0076	2	64,55	1.60E-05	R	VRDESVPG T
2042,981	-0,0075	2	78,97	5.60E-07	R	VRDESVPG T
2042,981	-0,0074	2	49,91	0,00045	R	VRDESVPG T
2042,981	-0,0073	2	53,27	0,00021	R	VRDESVPG T
2042,981	-0,0071	2	68,42	6.40E-06	R	VRDESVPG T
2042,981	-0,0064	2	78	7.00E-07	R	VRDESVPG T
2042,981	-0,0059	2	66,5	1.00E-05	R	VRDESVPG T
2042,981	-0,0033	2	58,11	0,00014	R	VRDESVPG T
2042,981	-0,0015	2	60,37	4.20E-05	R	VRDESVPG T
2042,981	-0,0015	2	59,57	5.10E-05	R	VRDESVPG T
2101,042	-0,0108	0	97,04	1.90E-08	V	LFSLPGAFT Y
2101,042	-0,0022	0	77,88	1.80E-06	V	LFSLPGAFT Y
2222,076	-0,0026	2	47,05	0,001	P	GPNPYRW K
2299,178	-0,0202	0	105,28	3.70E-09	K	VVLFSLPGA Y
2299,178	-0,0088	0	119,99	1.10E-10	K	VVLFSLPGA Y
2319,128	-0,0149	2	76,27	1.10E-06	V	PGPNPYRW K
2319,128	-0,0134	2	57,85	7.60E-05	V	PGPNPYRW K
2319,128	-0,01	2	66,92	9.80E-06	V	PGPNPYRW K
2319,128	-0,0095	2	80,33	4.50E-07	V	PGPNPYRW K
2427,273	-0,0128	1	74,94	1.80E-06	K	KVVLFSLPG Y
2427,273	-0,0068	1	73,04	2.70E-06	K	KVVLFSLPG Y

2427,273	-0,0055	1	68,01	8.50E-06	K	KVVLFSLPG Y	
2427,273	-0,0051	1	147,87	8.80E-14	K	KVVLFSLPG Y	
2427,273	-0,0041	1	77,11	1.00E-06	K	KVVLFSLPG Y	
2427,273	-0,0039	1	83,58	2.30E-07	K	KVVLFSLPG Y	
2427,273	-0,0014	1	93,05	2.60E-08	K	KVVLFSLPG Y	
2427,273	0,0008	1	161,7	3.50E-15	K	KVVLFSLPG Y	
2427,273	0,0048	1	69,61	5.50E-06	K	KVVLFSLPG Y	
1026,448	-0,0132	0	40,89	0,0018	M	GGHAGGEI I	
1026,448	-0,0101	0	38,45	0,0036	M	GGHAGGEI I	
1060,486	-0,0088	0	39,82	0,0049	K	MGDIDPAQ V	Oxidation (I
1060,486	-0,0083	0	43,76	0,002	K	MGDIDPAQ V	Oxidation (I
1060,486	-0,0082	0	44,14	0,0018	K	MGDIDPAQ V	Oxidation (I
1060,486	-0,0076	0	41,1	0,0039	K	MGDIDPAQ V	Oxidation (I
1060,486	-0,007	0	43	0,0025	K	MGDIDPAQ V	Oxidation (I
1113,52	-0,0098	0	36,29	0,005	V	TEDHTWVA A	
1113,52	-0,0072	0	51,42	0,00016	V	TEDHTWVA A	
1113,52	-0,0072	0	43,03	0,0011	V	TEDHTWVA A	
1113,52	-0,0058	0	33,72	0,011	V	TEDHTWVA A	
1113,52	-0,0052	0	46,1	0,00058	V	TEDHTWVA A	
1113,52	-0,0038	0	39,2	0,0028	V	TEDHTWVA A	
1128,586	-0,0115	0	39,56	0,012	R	HVLFQCLG Q	
1157,488	-0,0065	0	49,22	0,00012	G	MGGHAGG I	
1172,605	-0,0055	1	43,97	0,0048	R	AHVGDSRL L	
1188,652	-0,007	1	42,05	0,0058	D	PAQAKVHP H	
1212,589	-0,0133	0	44,74	0,0025	R	VTEDHTWV A	
1212,589	-0,0106	0	60,6	6.70E-05	R	VTEDHTWV A	
1212,589	-0,0097	0	43,26	0,0037	R	VTEDHTWV A	
1212,589	-0,0088	0	38,49	0,011	R	VTEDHTWV A	
1212,589	-0,0085	0	67,87	1.30E-05	R	VTEDHTWV A	
1212,589	-0,0084	0	54,88	0,00026	R	VTEDHTWV A	
1212,589	-0,0083	0	43,47	0,0036	R	VTEDHTWV A	
1212,589	-0,0078	0	45,63	0,0022	R	VTEDHTWV A	
1212,589	-0,0076	0	47,73	0,0014	R	VTEDHTWV A	
1212,589	-0,0076	0	63,47	3.60E-05	R	VTEDHTWV A	
1212,589	-0,007	0	65,34	2.30E-05	R	VTEDHTWV A	
1212,589	-0,0048	0	57,14	0,00016	R	VTEDHTWV A	
1212,589	-0,0036	0	44,49	0,003	R	VTEDHTWV A	
1212,589	-0,0029	0	64,87	2.80E-05	R	VTEDHTWV A	
1214,51	-0,0093	0	59,85	1.30E-05	D	GMGGHAG I	
1214,51	-0,0081	0	50,25	0,00012	D	GMGGHAG I	
1230,505	-0,0109	0	39,49	0,00088	D	GMGGHAG I	Oxidation (I
1230,505	-0,0036	0	34,27	0,0039	D	GMGGHAG I	Oxidation (I
1293,675	-0,009	0	39,46	0,005	R	DMGTTAVLI E	
1303,679	-0,0073	1	44,87	0,002	I	DPAQAKVH H	
1303,679	-0,0033	1	61,75	3.90E-05	I	DPAQAKVH H	
1329,537	-0,0085	0	38,41	0,00059	A	DGMGGHA I	
1329,537	-0,0063	0	84,69	1.40E-08	A	DGMGGHA I	
1345,532	-0,009	0	45,45	7.40E-05	A	DGMGGHA I	Oxidation (I

1400,574	-0,0053	0	95,95	2.20E-09	V	ADGMGGH I	
1400,574	-0,0049	0	53,24	4.20E-05	V	ADGMGGH I	
1400,574	-0,0038	0	78,99	1.10E-07	V	ADGMGGH I	
1400,574	-0,0034	0	68,16	1.30E-06	V	ADGMGGH I	
1400,574	-0,0033	0	47,28	0,00016	V	ADGMGGH I	
1416,569	-0,008	0	70,69	4.00E-07	V	ADGMGGH I	Oxidation (I
1416,569	-0,0074	0	64,78	1.50E-06	V	ADGMGGH I	Oxidation (I
1499,642	-0,0078	0	66,38	2.50E-06	I	VADGMGGI I	
1499,642	-0,0049	0	53,04	5.50E-05	I	VADGMGGI I	
1499,642	-0,0049	0	83,88	4.60E-08	I	VADGMGGI I	
1499,642	-0,0045	0	111,28	9.20E-11	I	VADGMGGI I	
1499,642	-0,0028	0	54,19	4.80E-05	I	VADGMGGI I	
1515,637	-0,0142	0	100,07	6.10E-10	I	VADGMGGI I	Oxidation (I
1515,637	-0,0093	0	57,27	1.20E-05	I	VADGMGGI I	Oxidation (I
1515,637	-0,0079	0	28,79	0,0097	I	VADGMGGI I	Oxidation (I
1515,637	-0,0019	0	55,78	2.10E-05	I	VADGMGGI I	Oxidation (I
1545,734	-0,0168	0	41,96	0,0022	D	ALMDANEC I	
1562,772	-0,0103	1	47,92	0,0017	V	VSCSSTGK` Q	
1566,756	-0,0105	0	82,62	4.50E-07	M	TEVNLSVV` T	
1566,756	-0,0087	0	69,23	9.90E-06	M	TEVNLSVV` T	
1566,756	-0,0051	0	63,47	4.00E-05	M	TEVNLSVV` T	
1603,847	-0,002	1	36,23	0,013	T	TAVLIAFREI A	
1612,726	-0,0171	0	34,83	0,0056	Y	IVADGMGG I	
1612,726	-0,0155	0	40	0,0017	Y	IVADGMGG I	
1612,726	-0,0115	0	95,33	9.90E-09	Y	IVADGMGG I	
1612,726	-0,0102	0	69,98	3.60E-06	Y	IVADGMGG I	
1612,726	-0,0068	0	92,13	2.30E-08	Y	IVADGMGG I	
1612,726	-0,0058	0	38,09	0,006	Y	IVADGMGG I	
1612,726	-0,0047	0	102,1	2.50E-09	Y	IVADGMGG I	
1612,726	-0,0043	0	50,85	0,00034	Y	IVADGMGG I	
1628,721	-0,0137	0	59,61	2.80E-05	Y	IVADGMGG I	Oxidation (I
1628,721	-0,0109	0	45,25	0,00079	Y	IVADGMGG I	Oxidation (I
1628,721	-0,0094	0	33,65	0,012	Y	IVADGMGG I	Oxidation (I
1660,761	-0,0093	0	101,03	3.60E-09	R	DALMDANE I	
1660,761	-0,0021	0	110,21	5.00E-10	R	DALMDANE I	
1660,761	-0,0012	0	99,37	6.30E-09	R	DALMDANE I	
1660,761	-0,0011	0	113,62	2.40E-10	R	DALMDANE I	
1660,761	-0,0008	0	47,3	0,001	R	DALMDANE I	
1660,761	-0,0001	0	44,24	0,002	R	DALMDANE I	
1660,761	0,0012	0	40,02	0,0055	R	DALMDANE I	
1660,761	0,0014	0	75	1.70E-06	R	DALMDANE I	
1660,761	0,0063	0	117,08	1.20E-10	R	DALMDANE I	
1660,761	0,0078	0	105,9	1.60E-09	R	DALMDANE I	
1676,756	-0,0093	0	66,65	7.70E-06	R	DALMDANE I	Oxidation (I
1676,756	-0,008	0	87,94	5.90E-08	R	DALMDANE I	Oxidation (I
1676,756	-0,0077	0	105,65	1.00E-09	R	DALMDANE I	Oxidation (I
1676,756	-0,0075	0	77,86	6.10E-07	R	DALMDANE I	Oxidation (I
1676,756	-0,0064	0	64,69	1.30E-05	R	DALMDANE I	Oxidation (I



1676,756	-0,0039	0	72,78	2.10E-06	R	DALMDANE I	Oxidation (I
1676,756	-0,0037	0	84,34	1.50E-07	R	DALMDANE I	Oxidation (I
1676,756	-0,0031	0	76,6	8.90E-07	R	DALMDANE I	Oxidation (I
1676,756	-0,003	0	103,82	1.70E-09	R	DALMDANE I	Oxidation (I
1676,756	-0,0013	0	111,71	2.90E-10	R	DALMDANE I	Oxidation (I
1676,756	-0,0003	0	81,73	2.90E-07	R	DALMDANE I	Oxidation (I
1676,756	0	0	76,58	9.40E-07	R	DALMDANE I	Oxidation (I
1676,756	0,0005	0	69,53	4.80E-06	R	DALMDANE I	Oxidation (I
1676,756	0,004	0	48,82	0,0006	R	DALMDANE I	Oxidation (I
1676,756	0,0058	0	46,93	0,00099	R	DALMDANE I	Oxidation (I
1676,756	0,0091	0	51,49	0,00036	R	DALMDANE I	Oxidation (I
1719,852	-0,0123	1	48,45	0,0015	K	MGDIDPAQ H	
1730,754	-0,0078	0	65,02	6.10E-06	R	QYNQDSFY F	
1730,754	-0,004	0	75,54	5.80E-07	R	QYNQDSFY F	
1730,754	-0,0029	0	94,78	7.10E-09	R	QYNQDSFY F	
1730,754	-0,0025	0	82,37	1.20E-07	R	QYNQDSFY F	
1730,754	-0,0019	0	58,57	3.00E-05	R	QYNQDSFY F	
1730,754	-0,0018	0	77,84	3.50E-07	R	QYNQDSFY F	
1730,754	-0,0016	0	56,05	5.30E-05	R	QYNQDSFY F	
1730,754	-0,0014	0	83,21	1.00E-07	R	QYNQDSFY F	
1730,754	-0,0004	0	101,66	1.60E-09	R	QYNQDSFY F	
1730,754	0,0008	0	70	2.30E-06	R	QYNQDSFY F	
1730,754	0,0012	0	88,12	3.60E-08	R	QYNQDSFY F	
1748,873	-0,0173	1	51,18	0,00082	L	SVVSCSSTC Q	
1748,873	-0,0059	1	45,68	0,0031	L	SVVSCSSTC Q	
1748,873	-0,0047	1	66,73	2.40E-05	L	SVVSCSSTC Q	
1748,873	0,0024	1	69,39	1.30E-05	L	SVVSCSSTC Q	
1761,916	0,0007	1	38,95	0,0071	M	GTTAVLIAFIA	
1775,79	-0,0133	0	53,9	5.50E-05	F	YIVADGMG I	
1775,79	-0,009	0	95,71	3.90E-09	F	YIVADGMG I	
1775,79	-0,0062	0	65,6	4.50E-06	F	YIVADGMG I	
1816,826	-0,0026	0	50,75	0,00038	G	QGNCDDQ N	
1817,8	0,0063	0	58,87	2.40E-05	F	YIVADGMG I	Acetyl (N-te
1861,957	-0,0014	1	36,68	0,013	N	LSVVSCSS1Q	
1873,848	0,0006	0	106,25	5.40E-10	T	GQGNCDD N	
1922,858	-0,0167	0	99,52	1.60E-09	R	FYIVADGMCI	
1922,858	-0,0125	0	76,03	3.80E-07	R	FYIVADGMCI	
1922,858	-0,0124	0	97,03	3.10E-09	R	FYIVADGMCI	
1922,858	-0,0115	0	118,72	2.10E-11	R	FYIVADGMCI	
1922,858	-0,0108	0	42,21	0,00097	R	FYIVADGMCI	
1922,858	-0,0102	0	100,72	2.30E-09	R	FYIVADGMCI	
1922,858	-0,01	0	123,22	7.80E-12	R	FYIVADGMCI	
1922,858	-0,0093	0	69,43	1.90E-06	R	FYIVADGMCI	
1922,858	-0,0069	0	86,22	7.00E-08	R	FYIVADGMCI	
1922,858	-0,0065	0	96,5	6.50E-09	R	FYIVADGMCI	
1922,858	-0,0063	0	44,02	0,0012	R	FYIVADGMCI	
1922,858	-0,0058	0	109,87	3.00E-10	R	FYIVADGMCI	
1922,858	-0,0054	0	116	7.40E-11	R	FYIVADGMCI	

1922,858	-0,003	0	139,89	3.30E-13	R	FYIVADGM(I	
1922,858	-0,0029	0	33,78	0,013	R	FYIVADGM(I	
1922,858	-0,0023	0	61,99	2.00E-05	R	FYIVADGM(I	
1922,858	-0,0008	0	44,79	0,0011	R	FYIVADGM(I	
1922,858	0,0013	0	96,44	7.80E-09	R	FYIVADGM(I	
1922,858	0,0053	0	60,69	3.20E-05	R	FYIVADGM(I	
1938,853	-0,0169	0	52,63	0,00013	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0155	0	72,15	1.50E-06	R	FYIVADGM(I	Oxidation (I
1938,853	-0,013	0	111,56	1.80E-10	R	FYIVADGM(I	Oxidation (I
1938,853	-0,013	0	52,06	0,00013	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0125	0	51,27	0,00015	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0101	0	45,99	0,00066	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0098	0	92,75	1.20E-08	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0098	0	35,26	0,0065	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0091	0	38,15	0,0034	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0085	0	54,79	7.40E-05	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0082	0	43,95	0,00091	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0074	0	64,55	8.20E-06	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0073	0	35,12	0,0072	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0071	0	54,38	0,0001	R	FYIVADGM(I	Oxidation (I
1938,853	-0,006	0	48,4	0,00041	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0058	0	77,6	5.00E-07	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0056	0	61,44	2.00E-05	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0024	0	46,04	0,00077	R	FYIVADGM(I	Oxidation (I
1938,853	-0,0022	0	40,46	0,0024	R	FYIVADGM(I	Oxidation (I
1938,853	0,0036	0	41,08	0,0024	R	FYIVADGM(I	Oxidation (I
1974,895	-0,0069	0	50,55	0,00036	L	TGQGNC(I	
1980,977	-0,0193	1	51,08	0,00077	R	NQQLERT A	
1980,977	-0,0149	1	49,74	0,0011	R	NQQLERT A	
1980,977	-0,0082	1	75,3	2.90E-06	R	NQQLERT A	
1980,977	-0,0074	1	42,98	0,005	R	NQQLERT A	
1980,977	-0,004	1	82,7	5.60E-07	R	NQQLERT A	
1980,977	-0,0011	1	63,03	5.30E-05	R	NQQLERT A	
1986,968	-0,0065	1	39,37	0,012	L	MDANEGIL R	
1986,968	0,0002	1	49,8	0,0011	L	MDANEGIL R	
2007,984	-0,0157	1	42,23	0,0052	R	DMGTTAVL A	
2007,984	-0,0084	1	96,07	1.30E-08	R	DMGTTAVL A	
2007,984	-0,0016	1	47,28	0,00096	R	DMGTTAVL A	
2100,052	-0,02	1	41,03	0,0043	A	LMDANEGIL R	
2100,052	-0,0176	1	44,96	0,0017	A	LMDANEGIL R	
2100,052	-0,0077	1	74,74	1.90E-06	A	LMDANEGIL R	
2143,069	-0,0124	2	58	0,00017	L	MDANEGIL D	
2164,085	-0,0078	2	69,39	1.20E-05	R	RDMGTTAV A	
2164,085	-0,0069	2	65,11	3.30E-05	R	RDMGTTAV A	
2201,063	-0,0105	0	42,77	0,0025	K	ILTGQGNC(I	
2201,063	-0,01	0	49,59	0,00098	K	ILTGQGNC(I	
2201,063	-0,009	0	186,2	2.10E-17	K	ILTGQGNC(I	
2201,063	-0,0085	0	107,56	1.60E-09	K	ILTGQGNC(I	

2201,063	-0,0083	0	188,49	1.30E-17	K	ILTGQGNCI N	
2201,063	-0,0074	0	42,1	0,0056	K	ILTGQGNCI N	
2201,063	-0,0073	0	114,05	3.60E-10	K	ILTGQGNCI N	
2201,063	-0,0072	0	42,95	0,0024	K	ILTGQGNCI N	
2201,063	-0,0061	0	52,95	0,00047	K	ILTGQGNCI N	
2201,063	-0,006	0	58,55	0,00013	K	ILTGQGNCI N	
2201,063	-0,0058	0	85,51	1.40E-07	K	ILTGQGNCI N	
2201,063	-0,0058	0	56,69	0,0002	K	ILTGQGNCI N	
2201,063	-0,0056	0	53,7	0,0004	K	ILTGQGNCI N	
2201,063	-0,0055	0	186,23	2.20E-17	K	ILTGQGNCI N	
2201,063	-0,0042	0	59,38	5.70E-05	K	ILTGQGNCI N	
2201,063	-0,0036	0	83,06	2.50E-07	K	ILTGQGNCI N	
2201,063	-0,0016	0	170,43	8.60E-16	K	ILTGQGNCI N	
2201,063	-0,0012	0	44,88	0,0031	K	ILTGQGNCI N	
2201,063	-0,0009	0	40,97	0,0077	K	ILTGQGNCI N	
2201,063	-0,0006	0	56,96	0,0001	K	ILTGQGNCI N	
2201,063	0,001	0	140,18	9.40E-13	K	ILTGQGNCI N	
2286,116	-0,0129	1	74,19	1.80E-06	R	DALMDANE R	
2286,116	-0,0097	1	109,13	5.90E-10	R	DALMDANE R	
2302,111	-0,0054	1	88,33	1.40E-07	R	DALMDANE R	Oxidation (I
2305,158	-0,0208	1	80,12	1.10E-06	M	TEVNLSVVS Q	
2305,158	-0,0175	1	124,25	4.20E-11	M	TEVNLSVVS Q	
2305,158	-0,01	1	58,69	0,00015	M	TEVNLSVVS Q	
2442,217	0,0016	2	37,59	0,011	R	DALMDANE D	
2458,212	0,018	2	47,04	0,0021	R	DALMDANE D	Oxidation (I
2469,156	-0,0163	1	59,83	3.00E-05	K	TDPGLVRQ' F	
2469,156	-0,0101	1	46,71	0,00067	K	TDPGLVRQ' F	
2491,191	-0,0011	1	48,45	0,0013	R	FYIVADGM(V	
2507,186	0,019	1	45,02	0,0015	R	FYIVADGM(V	Oxidation (I
1172,605	-0,0055	1	43,97	0,0048	I	AHVGDSRI' V	
1352,673	-0,0087	0	55,86	0,00027	R	LYENFIDVG Y	
1352,673	-0,0058	0	53,33	0,00048	R	LYENFIDVG Y	
857,5375	-0,0103	0	38,15	0,0027	G	PFGVVIVK D	
1072,628	-0,0115	0	40,37	0,0051	K	TGGPFGVV D	
1072,628	-0,0111	0	48,78	0,00074	K	TGGPFGVV D	
1072,628	-0,01	0	53,58	0,00023	K	TGGPFGVV D	
1072,628	-0,0096	0	47,35	0,00098	K	TGGPFGVV D	
1072,628	-0,0095	0	56,02	0,00013	K	TGGPFGVV D	
1072,628	-0,0092	0	61,45	3.80E-05	K	TGGPFGVV D	
1072,628	-0,0092	0	57,04	0,00011	K	TGGPFGVV D	
1072,628	-0,0085	0	67,3	9.20E-06	K	TGGPFGVV D	
1125,487	-0,004	1	31,48	0,011	T	EQDREYMF Q	
1145,572	-0,0136	0	53,2	0,00026	K	DLEKPYPEF L	
1145,572	-0,0133	0	49,77	0,00058	K	DLEKPYPEF L	
1145,572	-0,0079	0	40,8	0,0045	K	DLEKPYPEF L	
1145,572	-0,0076	0	48,29	0,00076	K	DLEKPYPEF L	
1145,572	-0,0075	0	44,83	0,0017	K	DLEKPYPEF L	
1145,572	-0,0069	0	57,88	8.70E-05	K	DLEKPYPEF L	

1145,572	-0,0062	0	39,48	0,006	K	DLEKPYPEF L	
1145,572	-0,0038	0	37,37	0,0097	K	DLEKPYPEF L	
1163,605	-0,0127	0	47,54	0,00093	D	PSAHAEVN. E	
1163,605	-0,0122	0	61,76	3.50E-05	D	PSAHAEVN. E	
1163,605	-0,0114	0	53,58	0,00022	D	PSAHAEVN. E	
1163,605	-0,0105	0	44,56	0,0018	D	PSAHAEVN. E	
1163,605	-0,0096	0	47,57	0,00092	D	PSAHAEVN. E	
1163,605	-0,0091	0	64,49	1.90E-05	D	PSAHAEVN. E	
1163,605	-0,0083	0	47,04	0,001	D	PSAHAEVN. E	
1226,535	-0,0112	1	47,59	0,0004	V	TEQDREYM Q	
1226,535	-0,0094	1	40,97	0,002	V	TEQDREYM Q	
1226,535	-0,0092	1	41,35	0,0018	V	TEQDREYM Q	
1226,535	-0,0042	1	34,86	0,01	V	TEQDREYM Q	
1278,632	-0,0118	0	54,47	0,00035	N	DPSAHAEV E	
1278,632	-0,0053	0	68,37	1.40E-05	N	DPSAHAEV E	
1325,603	-0,0002	1	45,46	0,00076	M	VTEQDREYI Q	
1392,675	-0,0094	0	60,2	8.70E-05	D	NDPSAHAE E	
1392,675	-0,0091	0	63,65	3.90E-05	D	NDPSAHAE E	
1392,675	-0,0077	0	70,56	7.80E-06	D	NDPSAHAE E	
1456,644	-0,0073	1	42,61	0,0016	-	MVTEQDRE Q	
1456,644	-0,0023	1	34,29	0,012	-	MVTEQDRE Q	
1456,644	-0,0017	1	58,21	5.00E-05	-	MVTEQDRE Q	
1472,639	-0,0071	1	46,74	0,0004	-	MVTEQDRE Q	Oxidation (I
1472,639	-0,0049	1	32,34	0,011	-	MVTEQDRE Q	Oxidation (I
1472,639	-0,0021	1	34,06	0,0085	-	MVTEQDRE Q	Oxidation (I
1484,813	-0,0104	1	40,2	0,0096	R	QAIAIMRDA T	
1484,813	-0,0067	1	65,67	2.50E-05	R	QAIAIMRDA T	
1484,813	-0,0065	1	74,47	3.30E-06	R	QAIAIMRDA T	
1484,813	-0,0057	1	94,63	3.10E-08	R	QAIAIMRDA T	
1484,813	-0,0057	1	44,56	0,0032	R	QAIAIMRDA T	
1500,808	-0,0107	1	39,12	0,013	R	QAIAIMRDA T	Oxidation (I
1507,702	-0,0132	0	76,85	6.00E-07	Q	DNDPSAHA E	
1507,702	-0,0102	0	70,66	2.60E-06	Q	DNDPSAHA E	
1507,702	-0,0089	0	78,45	4.20E-07	Q	DNDPSAHA E	
1507,702	-0,0068	0	64,47	1.20E-05	Q	DNDPSAHA E	
1547,737	-0,0045	0	62,26	2.50E-05	L	QEEAQVVM Q	
1635,76	-0,0115	0	52,04	0,00019	I	QDNDPSAH E	
1635,76	-0,0081	0	121,73	2.10E-11	I	QDNDPSAH E	
1635,76	-0,0023	0	50,5	0,00031	I	QDNDPSAH E	
1651,81	-0,009	1	44,91	0,0017	D	PSAHAEVN. T	
1651,81	-0,0046	1	37,22	0,0097	D	PSAHAEVN. T	
1651,81	-0,0018	1	48,3	0,0008	D	PSAHAEVN. T	
1651,81	-0,0012	1	61	4.30E-05	D	PSAHAEVN. T	
1651,81	0,0017	1	43,39	0,0026	D	PSAHAEVN. T	
1660,821	-0,0026	0	73,39	5.20E-06	I	LQEEAQVV' Q	
1672,754	-0,0005	0	67,26	7.30E-06	K	DGEVIGAA( P	
1674,858	-0,0017	1	60,89	9.40E-05	D	SNISKDLEK L	
1748,844	-0,0056	0	69,57	9.80E-06	V	IQDNDPSAH E	

1748,844	-0,0035	0	83,36	4.30E-07	V	IQDNDPSA  E	Acetyl (N-ter)
1748,844	-0,0031	0	80,57	8.20E-07	V	IQDNDPSA  E	
1748,844	-0,003	0	136,94	1.90E-12	V	IQDNDPSA  E	
1748,844	-0,0021	0	108,4	1.30E-09	V	IQDNDPSA  E	
1847,913	-0,0022	0	95,58	1.60E-08	S	VIQDNDPS  E	
1847,913	0	0	72,91	2.90E-06	S	VIQDNDPS  E	
1847,913	0,0008	0	83,41	2.60E-07	S	VIQDNDPS  E	
1847,913	0,0023	0	50,58	0,00051	S	VIQDNDPS  E	
1908,93	-0,0228	2	44,13	0,0031	T	EQDREYMF D	
1934,945	-0,0118	0	38,32	0,0069	N	SVIQDNDP  E	
1934,945	0	0	67,74	1.70E-05	N	SVIQDNDP  E	
2009,978	-0,0121	2	88,78	6.30E-08	V	TEQDREYM D	
2009,978	-0,0113	2	48,47	0,00069	V	TEQDREYM D	
2009,978	-0,0102	2	57,63	8.20E-05	V	TEQDREYM D	
2048,988	-0,003	0	67,98	1.40E-05	G	NSVIQDND E	
2048,988	0,0027	0	114,13	3.70E-10	G	NSVIQDND E	
2071,736	-0,0023	0	37,45	0,0093	S	CECCPMC\  I	
2106,009	-0,0041	0	91,46	3.20E-08	A	GNSVIQDN E	
2106,009	-0,0031	0	94,27	1.70E-08	A	GNSVIQDN E	
2106,009	-0,0011	0	132,47	2.60E-12	A	GNSVIQDN E	
2106,009	-0,0008	0	108,39	6.60E-10	A	GNSVIQDN E	
2106,009	-0,0002	0	110,75	3.80E-10	A	GNSVIQDN E	
2106,009	0,0006	0	66,32	1.00E-05	A	GNSVIQDN E	
2128,059	-0,0061	0	94,37	2.10E-08	A	PEQILQEEA Q	
2128,059	0	0	134	2.20E-12	A	PEQILQEEA Q	
2177,046	-0,0047	0	67,95	1.40E-05	A	AGNSVIQD  E	
2177,046	-0,0013	0	67,62	1.50E-05	A	AGNSVIQD  E	
2187,794	-0,0078	0	73,95	2.00E-06	Y	SSCECCPM I	
2199,096	-0,0019	0	123,77	4.60E-11	L	APEQILQEE Q	
2199,096	0,0007	0	37,9	0,0096	L	APEQILQEE Q	
2240,086	-0,0062	2	46,12	0,0011	-	MVTEQDRE D	
2240,086	-0,0047	2	89,88	4.80E-08	-	MVTEQDRE D	
2240,086	-0,0042	2	57,99	7.50E-05	-	MVTEQDRE D	
2305,105	-0,0098	0	61,94	5.00E-05	I	GAAGNSVI  E	
2305,105	-0,0049	0	128,66	1.10E-11	I	GAAGNSVI  E	
2305,105	-0,0003	0	142,24	5.20E-13	I	GAAGNSVI  E	
2418,189	-0,0164	0	93,48	2.20E-08	V	IGAAGNSVI E	
2418,189	-0,0146	0	61,53	3.60E-05	V	IGAAGNSVI E	
2418,189	-0,0106	0	117,7	9.00E-11	V	IGAAGNSVI E	
2418,189	-0,0101	0	181,99	3.30E-17	V	IGAAGNSVI E	
2418,189	-0,0099	0	72,53	3.00E-06	V	IGAAGNSVI E	
2425,264	-0,0147	0	98,14	1.80E-08	R	LLAPEQILQ Q	
2425,264	-0,0136	0	66,76	2.50E-05	R	LLAPEQILQ Q	
2425,264	-0,0127	0	44,61	0,0034	R	LLAPEQILQ Q	
2425,264	-0,011	0	51,49	0,00084	R	LLAPEQILQ Q	
2425,264	-0,0087	0	181,52	6.80E-17	R	LLAPEQILQ Q	
2425,264	-0,0072	0	100,53	8.50E-09	R	LLAPEQILQ Q	
2425,264	-0,0047	0	92,47	5.30E-08	R	LLAPEQILQ Q	

2425,264	-0,0044	0	93,81	5.00E-08	R	LLAPEQILQ Q
2425,264	-0,0039	0	107,75	1.60E-09	R	LLAPEQILQ Q
2425,264	-0,0034	0	115,61	2.60E-10	R	LLAPEQILQ Q
2425,264	-0,0032	0	100,8	7.80E-09	R	LLAPEQILQ Q
2425,264	-0,002	0	63,11	4.50E-05	R	LLAPEQILQ Q
2425,264	-0,0018	0	44,23	0,0035	R	LLAPEQILQ Q
2455,086	-0,0094	0	83,56	8.50E-08	K	IYYAAGWSI D
2455,086	-0,0005	0	32,38	0,013	K	IYYAAGWSI D
2517,257	-0,0076	0	157,62	9.50E-15	E	VIGAAGNS\ E
2537,193	-0,0055	1	75,94	8.80E-07	G	NSVIQDND T
2594,214	-0,0167	1	60,91	2.50E-05	A	GNSVIQDN T
2594,214	-0,0124	1	53,61	0,00014	A	GNSVIQDN T
2594,214	-0,0054	1	66,75	7.40E-06	A	GNSVIQDN T
2594,214	-0,004	1	73,67	1.50E-06	A	GNSVIQDN T
2665,251	-0,0059	1	46,49	0,0016	A	AGNSVIQD\ T
2671,229	0,0029	1	106,37	1.40E-09	S	DFEDLFDD L
2758,261	-0,0014	1	112,67	2.80E-10	W	SDFEDLFDI L
2793,31	-0,0083	1	35,31	0,0099	I	GAAGNSVI\ T
2793,31	-0,007	1	83,8	1.40E-07	I	GAAGNSVI\ T
2793,31	-0,0069	1	59,21	4.10E-05	I	GAAGNSVI\ T
2793,31	-0,0049	1	85,95	8.80E-08	I	GAAGNSVI\ T
2818,348	-0,0262	0	38,61	0,0098	K	DGEVIGAA\ E
2818,348	-0,0219	0	37,43	0,014	K	DGEVIGAA\ E
2818,348	-0,0188	0	50,62	0,00032	K	DGEVIGAA\ E
2818,348	-0,0174	0	59,58	4.00E-05	K	DGEVIGAA\ E
2818,348	-0,016	0	67,7	6.40E-06	K	DGEVIGAA\ E
2818,348	-0,0144	0	60,07	3.70E-05	K	DGEVIGAA\ E
2818,348	-0,014	0	98,03	6.00E-09	K	DGEVIGAA\ E
2818,348	-0,012	0	100,34	3.70E-09	K	DGEVIGAA\ E
2818,348	-0,0118	0	87,86	6.50E-08	K	DGEVIGAA\ E
2818,348	-0,0088	0	97,85	1.40E-08	K	DGEVIGAA\ E
2818,348	-0,0086	0	154,1	3.30E-14	K	DGEVIGAA\ E
2818,348	-0,0086	0	148,71	5.50E-14	K	DGEVIGAA\ E
2818,348	-0,0082	0	53,16	0,00041	K	DGEVIGAA\ E
2818,348	-0,0082	0	110,71	7.20E-10	K	DGEVIGAA\ E
2818,348	-0,0074	0	95,74	2.30E-08	K	DGEVIGAA\ E
2818,348	-0,0058	0	50,77	0,00073	K	DGEVIGAA\ E
2818,348	-0,0051	0	98,72	1.20E-08	K	DGEVIGAA\ E
2818,348	-0,0019	0	78,57	1.20E-06	K	DGEVIGAA\ E
2818,348	-0,001	0	83,01	4.50E-07	K	DGEVIGAA\ E
2818,348	-0,0005	0	44,75	0,003	K	DGEVIGAA\ E
2818,348	0,0021	0	49,78	0,00094	K	DGEVIGAA\ E
2818,348	0,0048	0	86,31	2.20E-07	K	DGEVIGAA\ E
2818,348	0,0082	0	67,19	1.80E-05	K	DGEVIGAA\ E
2818,348	0,013	0	48,59	0,0013	K	DGEVIGAA\ E
2906,394	-0,0043	1	99,29	4.90E-09	V	IGAAGNSVI T
2944,34	0,0053	1	90,93	4.00E-08	G	WSDFEDLF L
3001,362	-0,0008	1	139,33	5.00E-13	A	GWSDFEDI L

3001,362	0,0017	1	166,51	1.00E-15	A	GWSDFEDI L
3067,577	-0,0125	1	50,69	0,00097	K	PYPERLLAP Q
3067,577	-0,0027	1	134,16	4.30E-12	K	PYPERLLAP Q
3072,399	0,0004	1	140,15	2.00E-13	A	AGWSDFEI L
3072,399	0,0087	1	131,03	1.80E-12	A	AGWSDFEI L
3143,436	0,002	1	82,56	1.20E-07	Y	AAGWSDFE L
3306,499	0,0085	1	56,21	5.00E-05	Y	YAAGWSDF L
3306,554	-0,0179	1	63,77	1.20E-05	K	DGEVIGAA(T
3306,554	-0,0142	1	47,13	0,00056	K	DGEVIGAA(T
3306,554	-0,0063	1	150,18	3.00E-14	K	DGEVIGAA(T
3552,825	-0,0006	1	132,44	2.60E-12	K	DLEKPYPEF Q
3582,647	-0,0069	1	62,78	1.20E-05	K	IYYAAGWSI L
3872,966	0,0071	1	40,86	0,0036	K	TGGPFGVV E
983,54	-0,0128	0	65,53	1.10E-05	V	PGASVAAG M
1215,657	-0,0108	1	39,47	0,0074	D	ALSATVAEC I
1230,632	-0,0118	0	61,44	8.50E-05	I	TGNASAIVS A
1230,632	-0,005	0	52,02	0,00077	I	TGNASAIVS A
1252,714	-0,0037	0	43,14	0,0023	A	LGVPGASV, M
1330,684	-0,0116	1	73,73	5.10E-06	L	DALSATVAE I
1330,684	-0,0029	1	91,76	7.80E-08	L	DALSATVAE I
1330,684	-0,0012	1	60,1	0,00011	L	DALSATVAE I
1343,716	-0,0163	0	37,06	0,012	R	ITGNASAIV, A
1343,716	-0,0142	0	46,31	0,0015	R	ITGNASAIV, A
1343,716	-0,0136	0	56,39	0,00014	R	ITGNASAIV, A
1343,716	-0,013	0	42,33	0,0036	R	ITGNASAIV, A
1343,716	-0,0124	0	81,84	4.20E-07	R	ITGNASAIV, A
1343,716	-0,0123	0	39,11	0,0079	R	ITGNASAIV, A
1343,716	-0,012	0	81,57	4.30E-07	R	ITGNASAIV, A
1343,716	-0,0109	0	38,94	0,0079	R	ITGNASAIV, A
1343,716	-0,0075	0	52,37	0,00034	R	ITGNASAIV, A
1343,716	-0,0062	0	60,81	5.20E-05	R	ITGNASAIV, A
1343,716	-0,005	0	78,64	8.50E-07	R	ITGNASAIV, A
1343,716	-0,005	0	66,07	1.50E-05	R	ITGNASAIV, A
1343,716	-0,0049	0	59,1	7.90E-05	R	ITGNASAIV, A
1343,716	-0,0047	0	52,53	0,00035	R	ITGNASAIV, A
1343,716	-0,0031	0	65,09	1.90E-05	R	ITGNASAIV, A
1423,71	-0,0084	1	39,7	0,0048	A	EIAGYFDRA -
1423,71	-0,0037	1	39,08	0,0053	A	EIAGYFDRA -
1443,768	-0,0057	1	71,45	3.90E-06	Q	LDALSATVA I
1443,768	0,0011	1	74,47	1.80E-06	Q	LDALSATVA I
1571,827	-0,0037	1	78,23	9.00E-07	S	QLDALSAT\ I
1571,827	-0,0011	1	75,54	1.60E-06	S	QLDALSAT\ I
1571,827	0,003	1	87,12	1.20E-07	S	QLDALSAT\ I
1596,811	-0,0128	0	39,24	0,013	K	EAALDIVNC G
1596,811	-0,0063	0	59,98	0,00011	K	EAALDIVNC G
1596,811	-0,0049	0	59,67	0,00011	K	EAALDIVNC G
1596,811	-0,0039	0	78,34	1.50E-06	K	EAALDIVNC G
1596,811	-0,0026	0	39,85	0,011	K	EAALDIVNC G

1596,811	0,0008	0	80,58	9.10E-07	K	EAALDIVNC	G
1596,811	0,0014	0	51,13	0,00083	K	EAALDIVNC	G
1596,811	0,0036	0	62,5	5.90E-05	K	EAALDIVNC	G
1646,811	-0,0051	0	76,06	2.70E-06	L	SGSQLDAL	R
1658,859	-0,001	1	85,41	3.40E-07	G	SQLDALSA	I
1658,859	0,0011	1	100,73	9.90E-09	G	SQLDALSA	I
1658,859	0,0018	1	94,76	3.90E-08	G	SQLDALSA	I
1715,88	-0,008	1	75,83	1.60E-06	S	GSQDALS	I
1715,88	-0,0071	1	96,64	1.40E-08	S	GSQDALS	I
1715,88	-0,0046	1	45,74	0,0017	S	GSQDALS	I
1715,88	-0,0032	1	131,48	4.30E-12	S	GSQDALS	I
1715,88	-0,002	1	107,15	1.20E-09	S	GSQDALS	I
1715,88	-0,001	1	45,04	0,0019	S	GSQDALS	I
1715,88	-0,001	1	78,42	8.60E-07	S	GSQDALS	I
1715,88	0,0017	1	123,84	2.50E-11	S	GSQDALS	I
1768,859	-0,0029	1	65,44	2.70E-05	K	EAALDIVNC	C
1802,912	-0,004	1	71,48	8.60E-06	L	SGSQLDAL	I
1802,912	-0,0025	1	64,87	4.00E-05	L	SGSQLDAL	I
1802,912	-0,0023	1	109,16	1.50E-09	L	SGSQLDAL	I
1802,912	-0,0012	1	150,38	1.10E-13	L	SGSQLDAL	I
1802,912	-0,0012	1	108,34	1.70E-09	L	SGSQLDAL	I
1802,912	-0,0008	1	117,57	2.10E-10	L	SGSQLDAL	I
1802,912	-0,0006	1	83,63	5.10E-07	L	SGSQLDAL	I
1802,912	0,0003	1	83,68	5.10E-07	L	SGSQLDAL	I
1802,912	0,0091	1	65,23	3.60E-05	L	SGSQLDAL	I
1815,973	-0,0062	0	43,36	0,0024	R	ETYVALGVF	M
1815,973	-0,0038	0	58,32	7.40E-05	R	ETYVALGVF	M
1815,973	0,0003	0	54,55	0,00018	R	ETYVALGVF	M
1855,946	-0,0046	1	38,49	0,0082	K	MKEAALDIV	G
1855,946	-0,0039	1	86,07	1.40E-07	K	MKEAALDIV	G
1855,946	-0,0029	1	44,66	0,0019	K	MKEAALDIV	G
1855,946	-0,0022	1	72,16	3.50E-06	K	MKEAALDIV	G
1871,941	-0,0069	1	40,32	0,0053	K	MKEAALDIV	G
1906,895	-0,0027	0	75,11	2.10E-06	R	YVYATFTG	C
1906,895	-0,0025	0	131,39	5.10E-12	R	YVYATFTG	C
1906,895	-0,0015	0	131,25	5.30E-12	R	YVYATFTG	C
1906,895	-0,0005	0	72,09	4.40E-06	R	YVYATFTG	C
1906,895	0,0012	0	122,9	3.70E-11	R	YVYATFTG	C
1906,895	0,0015	0	76,99	1.50E-06	R	YVYATFTG	C
1906,895	0,0025	0	104,79	2.50E-09	R	YVYATFTG	C
1906,895	0,003	0	66,57	1.60E-05	R	YVYATFTG	C
1906,895	0,0032	0	126,9	1.50E-11	R	YVYATFTG	C
1915,996	-0,0118	1	66,58	1.40E-05	Y	LSGSQLDA	I
1915,996	-0,0113	1	55,79	0,00016	Y	LSGSQLDA	I
1915,996	-0,0094	1	67,03	1.20E-05	Y	LSGSQLDA	I
1915,996	-0,0055	1	56,07	0,00015	Y	LSGSQLDA	I
1915,996	-0,0052	1	74,01	2.40E-06	Y	LSGSQLDA	I
1915,996	-0,0029	1	122,18	3.50E-11	Y	LSGSQLDA	I

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1922,959	-0,0092	0	55,76	0,00029	E	YLSGSQLD, R
1922,959	-0,002	0	64,67	3.80E-05	E	YLSGSQLD, R
1922,959	0,0024	0	101,06	9.00E-09	E	YLSGSQLD, R
1922,959	0,0062	0	61,39	8.40E-05	E	YLSGSQLD, R
2028,071	-0,0094	1	84,29	2.10E-07	R	IDSVNRITG A
2028,071	-0,0054	1	65,49	1.50E-05	R	IDSVNRITG A
2028,071	-0,0025	1	65,81	1.40E-05	R	IDSVNRITG A
2079,06	-0,0068	1	76,33	2.50E-06	E	YLSGSQLD, I
2079,06	-0,0059	1	57,54	0,00019	E	YLSGSQLD, I
2079,06	-0,005	1	82,26	3.50E-07	E	YLSGSQLD, I
2079,06	-0,0045	1	151,02	4.80E-14	E	YLSGSQLD, I
2079,06	-0,0043	1	87,23	2.10E-07	E	YLSGSQLD, I
2079,06	-0,0006	1	42,08	0,0037	E	YLSGSQLD, I
2109,023	-0,0056	0	181,75	6.10E-17	R	GEYLSGSQ R
2109,023	-0,004	0	46,71	0,002	R	GEYLSGSQ R
2109,023	-0,0038	0	171,85	6.10E-16	R	GEYLSGSQ R
2109,023	-0,003	0	145,69	2.50E-13	R	GEYLSGSQ R
2109,023	-0,0024	0	119,85	9.70E-11	R	GEYLSGSQ R
2109,023	0	0	80,1	9.40E-07	R	GEYLSGSQ R
2109,023	0,0019	0	182,1	6.00E-17	R	GEYLSGSQ R
2109,023	0,0029	0	40,72	0,0083	R	GEYLSGSQ R
2109,023	0,003	0	188,49	1.40E-17	R	GEYLSGSQ R
2109,023	0,0061	0	132,79	5.30E-12	R	GEYLSGSQ R
2109,023	0,0067	0	137,91	1.60E-12	R	GEYLSGSQ R
2184,172	-0,0074	2	44,49	0,0017	K	RIDSVNRIT, A
2184,172	-0,0074	2	35,65	0,013	K	RIDSVNRIT, A
2184,172	-0,0063	2	86	1.20E-07	K	RIDSVNRIT, A
2184,172	-0,003	2	38,59	0,0065	K	RIDSVNRIT, A
2265,124	-0,0106	1	100,17	5.60E-09	R	GEYLSGSQ I
2265,124	-0,0083	1	121,48	7.30E-11	R	GEYLSGSQ I
2265,124	-0,0074	1	46,59	0,0023	R	GEYLSGSQ I
2265,124	-0,007	1	128,14	9.10E-12	R	GEYLSGSQ I
2265,124	-0,0046	1	140,63	5.00E-13	R	GEYLSGSQ I
2265,124	-0,002	1	144,47	2.10E-13	R	GEYLSGSQ I
2265,124	-0,0014	1	160,88	4.80E-15	R	GEYLSGSQ I
2265,124	-0,0014	1	143,26	2.80E-13	R	GEYLSGSQ I
2265,124	-0,0005	1	127,5	1.90E-11	R	GEYLSGSQ I
2265,124	0,0023	1	137,47	1.00E-12	R	GEYLSGSQ I
2265,124	0,0057	1	52,26	0,00034	R	GEYLSGSQ I
2492,262	0,0054	2	51,23	0,00042	D	ARGEYLSG, I
2737,315	-0,0081	1	52,82	0,00046	V	SQADARGE R
2893,417	-0,0079	2	113,66	4.30E-10	V	SQADARGE I
2935,452	-0,0426	1	84,59	3.10E-07	R	VVSQADAR R
2935,452	-0,0255	1	65,48	2.80E-05	R	VVSQADAR R
2935,452	-0,0204	1	43,54	0,0044	R	VVSQADAR R
2935,452	-0,0121	1	123,28	4.90E-11	R	VVSQADAR R
2935,452	-0,0105	1	58,65	0,00014	R	VVSQADAR R
2935,452	-0,0077	1	97,92	1.70E-08	R	VVSQADAR R

2935,452	-0,0046	1	131,11	8.40E-12	R	VVSQADAR R	
2935,452	-0,0042	1	116	2.70E-10	R	VVSQADAR R	
2935,452	-0,004	1	111,97	6.90E-10	R	VVSQADAR R	
2935,452	-0,0017	1	139,58	1.20E-12	R	VVSQADAR R	
2935,452	-0,0009	1	146,3	2.50E-13	R	VVSQADAR R	
2935,452	0,001	1	109,32	1.30E-09	R	VVSQADAR R	
2935,452	0,0015	1	152,02	6.90E-14	R	VVSQADAR R	
2935,452	0,0016	1	53,99	0,00044	R	VVSQADAR R	
2935,452	0,0029	1	141,57	7.60E-13	R	VVSQADAR R	
2935,452	0,0031	1	101,09	8.50E-09	R	VVSQADAR R	
2935,452	0,0049	1	62,14	6.80E-05	R	VVSQADAR R	
2935,452	0,0092	1	110,08	1.10E-09	R	VVSQADAR R	
3091,553	-0,0119	2	57,5	0,0002	R	VVSQADAR I	
3091,553	0,0091	2	53,5	0,00051	R	VVSQADAR I	
923,3985	-0,0084	0	40,91	0,0011	L	NEGFSGGE K	
968,4862	-0,0071	0	48,73	0,001	A	GEVHAIMG N	
968,4862	-0,0064	0	42,63	0,0042	A	GEVHAIMG N	
992,4749	-0,0075	0	41,77	0,0054	K	MNPAFLER S	Oxidation (I
1039,523	-0,0115	0	51,24	0,00025	K	AGEVHAIM N	
1039,523	-0,008	0	35,41	0,0098	K	AGEVHAIM N	
1039,523	-0,0071	0	60,29	3.20E-05	K	AGEVHAIM N	
1039,523	-0,006	0	41,57	0,002	K	AGEVHAIM N	
1039,523	-0,0059	0	52,59	0,00016	K	AGEVHAIM N	
1055,518	-0,0115	0	35,11	0,0088	K	AGEVHAIM N	Oxidation (I
1055,518	-0,01	0	40,23	0,0024	K	AGEVHAIM N	Oxidation (I
1055,518	-0,0091	0	47,56	0,0005	K	AGEVHAIM N	Oxidation (I
1055,518	-0,0077	0	35,58	0,0081	K	AGEVHAIM N	Oxidation (I
1055,518	-0,0073	0	42,34	0,0017	K	AGEVHAIM N	Oxidation (I
1055,518	-0,007	0	38,19	0,0045	K	AGEVHAIM N	Oxidation (I
1123,515	-0,0127	0	49,31	0,00029	R	SLNEGFSG K	
1123,515	-0,0069	0	51,93	0,00016	R	SLNEGFSG K	
1123,515	-0,0068	0	57,83	4.20E-05	R	SLNEGFSG K	
1129,624	-0,0074	0	37,16	0,0093	A	TLVITHYQR L	
1129,624	-0,0063	0	51,62	0,00039	A	TLVITHYQR L	
1129,624	-0,0054	0	46,31	0,0013	A	TLVITHYQR L	
1144,609	-0,0048	0	56,23	0,00028	L	TASVDGNQ G	
1200,662	-0,0066	0	39,85	0,011	N	ATLVITHYQ L	
1200,662	-0,0057	0	42,86	0,0054	N	ATLVITHYQ L	
1213,555	-0,0065	0	46,62	0,00052	P	DHIHVMYD I	
1257,693	0,0027	0	49,88	0,00049	N	LTASVDGN G	
1293,631	-0,0079	0	42,52	0,0027	G	QDLSALEPI A	
1293,631	-0,0068	0	57,42	8.60E-05	G	QDLSALEPI A	
1310,608	-0,0116	0	46,67	0,0012	I	PDHIHVMI I	
1310,608	-0,011	0	59,7	5.80E-05	I	PDHIHVMI I	
1310,608	-0,0085	0	47,81	0,00096	I	PDHIHVMI I	
1310,608	-0,0075	0	56,63	0,00013	I	PDHIHVMI I	
1310,608	-0,007	0	68,21	9.00E-06	I	PDHIHVMI I	
1314,704	-0,008	0	54,97	0,0004	D	NATLVITHY L	

1314,704	-0,0064	0	48,02	0,0018	D	NATLVITHY L	
1314,704	-0,0036	0	62,62	6.30E-05	D	NATLVITHY L	
1314,704	-0,0034	0	39,69	0,012	D	NATLVITHY L	
1314,704	0,006	0	43,79	0,0044	D	NATLVITHY L	
1326,603	-0,008	0	39,99	0,0044	I	PDHIHVMY I	Oxidation (I
1326,603	-0,0064	0	37,34	0,0079	I	PDHIHVMY I	Oxidation (I
1350,653	-0,0158	0	56,25	0,00019	Q	GQDLSALE A	
1350,653	-0,011	0	61,02	7.00E-05	Q	GQDLSALE A	
1350,653	-0,0101	0	51,05	0,0007	Q	GQDLSALE A	
1350,653	-0,0099	0	60,51	8.00E-05	Q	GQDLSALE A	
1350,653	-0,0087	0	62,31	5.20E-05	Q	GQDLSALE A	
1350,653	-0,0036	0	53,79	0,0004	Q	GQDLSALE A	
1350,653	-0,0032	0	77,35	1.80E-06	Q	GQDLSALE A	
1371,736	-0,0069	0	51,51	0,00041	K	NLTASVDG G	
1371,736	-0,0053	0	62,08	4.00E-05	K	NLTASVDG G	
1371,736	-0,0051	0	46,49	0,0014	K	NLTASVDG G	
1371,736	-0,0038	0	64,93	1.90E-05	K	NLTASVDG G	
1371,736	-0,0037	0	64,1	2.30E-05	K	NLTASVDG G	
1371,736	-0,0036	0	42,27	0,0035	K	NLTASVDG G	
1371,736	-0,0014	0	52,61	0,00033	K	NLTASVDG G	
1371,736	-0,0014	0	61,13	4.70E-05	K	NLTASVDG G	
1423,692	-0,0053	0	49,65	0,00049	I	IPDHIHVMY I	
1423,692	-0,003	0	71,36	3.20E-06	I	IPDHIHVMY I	
1478,711	-0,0044	0	84,23	3.40E-07	Y	QGQDLSAL A	
1478,711	-0,0034	0	72,58	5.20E-06	Y	QGQDLSAL A	
1526,784	-0,0116	0	36,16	0,013	N	PDNATLVIT L	
1526,784	-0,0114	0	59,16	6.40E-05	N	PDNATLVIT L	
1526,784	-0,0107	0	71,63	3.60E-06	N	PDNATLVIT L	
1526,784	-0,0101	0	59,33	5.90E-05	N	PDNATLVIT L	
1526,784	-0,0098	0	49,27	0,0006	N	PDNATLVIT L	
1526,784	-0,0074	0	74,17	4.30E-06	N	PDNATLVIT L	
1526,784	-0,006	0	75,04	3.50E-06	N	PDNATLVIT L	
1532,776	-0,0116	1	93,51	5.20E-08	V	MSGGKELA G	
1536,776	-0,0008	0	70,52	1.00E-05	Y	IIPDHIHVM I	
1636,872	-0,0052	1	40,64	0,0035	V	NLEIKAGEV N	
1640,827	-0,0163	0	106,24	2.50E-09	K	NPDNATLV I L	
1640,827	-0,0154	0	112,75	5.60E-10	K	NPDNATLV I L	
1640,827	-0,0122	0	74,96	3.50E-06	K	NPDNATLV I L	
1640,827	-0,0117	0	59,85	0,00011	K	NPDNATLV I L	
1640,827	-0,0117	0	36,32	0,011	K	NPDNATLV I L	
1640,827	-0,0115	0	60,26	0,0001	K	NPDNATLV I L	
1640,827	-0,0105	0	40,74	0,0042	K	NPDNATLV I L	
1640,827	-0,0104	0	77,95	1.80E-06	K	NPDNATLV I L	
1640,827	-0,0096	0	58,18	7.60E-05	K	NPDNATLV I L	
1640,827	-0,0095	0	66,33	1.20E-05	K	NPDNATLV I L	
1640,827	-0,0092	0	48,09	0,00079	K	NPDNATLV I L	
1640,827	-0,0091	0	50,56	0,00045	K	NPDNATLV I L	
1640,827	-0,0083	0	79,44	1.30E-06	K	NPDNATLV I L	

1640,827	-0,0076	0	54,87	0,00036	K	NPDNATLV I L	
1640,827	-0,0075	0	54,07	0,00043	K	NPDNATLV I L	
1640,827	-0,0075	0	103,17	5.30E-09	K	NPDNATLV I L	
1640,827	-0,0074	0	106,69	2.30E-09	K	NPDNATLV I L	
1640,827	-0,007	0	80,92	8.90E-07	K	NPDNATLV I L	
1640,827	-0,0062	0	45,1	0,0035	K	NPDNATLV I L	
1640,827	-0,0061	0	94,42	4.10E-08	K	NPDNATLV I L	
1640,827	-0,0055	0	52,16	0,00069	K	NPDNATLV I L	
1640,827	-0,0031	0	114,55	4.00E-10	K	NPDNATLV I L	
1640,827	-0,0025	0	102,35	6.70E-09	K	NPDNATLV I L	
1640,827	-0,0009	0	99,57	1.30E-08	K	NPDNATLV I L	
1641,775	-0,0074	0	76,29	7.90E-07	I	YQGQDLSA A	
1641,775	-0,005	0	103,11	1.70E-09	I	YQGQDLSA A	
1641,775	-0,0041	0	83,22	1.60E-07	I	YQGQDLSA A	
1641,775	-0,0022	0	61,79	2.40E-05	I	YQGQDLSA A	
1641,775	0,0001	0	89,72	3.70E-08	I	YQGQDLSA A	
1699,839	-0,0014	0	51,96	0,00034	N	YIIPDHIH V I	
1744,928	-0,0097	1	101,08	8.40E-09	K	IVMSGGKE I G	
1744,928	-0,0088	1	79,14	1.30E-06	K	IVMSGGKE I G	
1744,928	-0,0025	1	107,66	1.80E-09	K	IVMSGGKE I G	
1744,928	-0,0003	1	128,99	1.30E-11	K	IVMSGGKE I G	
1754,859	-0,0204	0	64,96	1.40E-05	I	IYQGQDLS A	
1754,859	0,0002	0	57,47	0,00018	I	IYQGQDLS A	
1754,859	0,0018	0	107,58	1.80E-09	I	IYQGQDLS A	
1754,859	0,0033	0	40,22	0,01	I	IYQGQDLS A	
1754,859	0,0034	0	94,73	3.60E-08	I	IYQGQDLS A	
1754,859	0,0076	0	104,99	3.40E-09	I	IYQGQDLS A	
1754,859	0,0209	0	65,22	3.40E-05	I	IYQGQDLS A	
1792,962	-0,01	1	83,39	2.10E-07	K	GVNLEIKAC N	
1792,962	-0,0079	1	72,27	5.20E-06	K	GVNLEIKAC N	
1792,962	-0,0065	1	50,73	0,00037	K	GVNLEIKAC N	
1792,962	-0,0022	1	69,15	1.00E-05	K	GVNLEIKAC N	
1813,882	-0,0158	0	44,05	0,0016	L	NYIIPDHIH I	
1813,882	0,0006	0	54,36	0,00017	L	NYIIPDHIH I	
1813,882	0,0008	0	78,43	6.70E-07	L	NYIIPDHIH I	
1813,882	0,0027	0	62,95	2.50E-05	L	NYIIPDHIH I	
1813,882	0,0029	0	38,59	0,0068	L	NYIIPDHIH I	
1829,877	-0,0204	0	43,5	0,0016	L	NYIIPDHIH I	
1867,943	-0,0144	0	70,64	4.30E-06	E	IYQGQDLS A	
1867,943	-0,0034	0	40,3	0,0047	E	IYQGQDLS A	
1867,943	0,0005	0	76,34	1.20E-06	E	IYQGQDLS A	
1867,943	0,0017	0	52,98	0,00026	E	IYQGQDLS A	
1867,943	0,0026	0	114,33	1.90E-10	E	IYQGQDLS A	
1867,943	0,0049	0	102,42	3.00E-09	E	IYQGQDLS A	
1867,943	0,006	0	61,96	3.30E-05	E	IYQGQDLS A	
1982,971	-0,0114	1	66,89	1.00E-05	I	PDHIHVMY E	
1996,985	0,0024	0	83,62	4.40E-07	G	EIIYQGQDL A	
1996,985	0,0034	0	93,67	4.40E-08	G	EIIYQGQDL A	

Oxidation (I

2040,05	-0,0108	0	39,2	0,007	R	LLNYIIPDHI I	
2040,05	-0,0078	0	77,95	9.20E-07	R	LLNYIIPDHI I	
2040,05	-0,0067	0	63,72	2.50E-05	R	LLNYIIPDHI I	
2040,05	-0,0067	0	66,1	1.40E-05	R	LLNYIIPDHI I	
2040,05	-0,0024	0	46,57	0,0012	R	LLNYIIPDHI I	
2040,05	-0,0007	0	42,43	0,0034	R	LLNYIIPDHI I	
2040,05	0,0007	0	82,56	3.20E-07	R	LLNYIIPDHI I	
2040,05	0,0031	0	68,86	7.50E-06	R	LLNYIIPDHI I	
2054,007	-0,0028	0	43,44	0,0024	G	GEIYQGQC A	
2054,007	-0,0024	0	90,77	4.40E-08	G	GEIYQGQC A	
2054,007	0,0002	0	94,91	1.70E-08	G	GEIYQGQC A	
2054,007	0,0023	0	45,94	0,0014	G	GEIYQGQC A	
2056,045	-0,0164	0	79,67	1.20E-06	R	LLNYIIPDHI I	Oxidation (I
2056,045	-0,0093	0	38,84	0,0079	R	LLNYIIPDHI I	Oxidation (I
2081,984	-0,0153	1	61,2	2.70E-05	K	MNPAFLER K	
2111,028	-0,007	0	71,78	3.00E-06	T	GGEIYQGCA	
2111,028	-0,0028	0	95,98	2.30E-08	T	GGEIYQGCA	
2111,028	0,0009	0	54,49	0,00034	T	GGEIYQGCA	
2125,174	-0,0144	1	56,46	0,00018	K	NLTASVDG A	
2125,174	-0,0112	1	37,2	0,011	K	NLTASVDG A	
2125,174	-0,0071	1	75,96	1.40E-06	K	NLTASVDG A	
2212,076	-0,0141	0	50,54	0,00081	I	TGGEIYQGA	
2212,076	-0,0114	0	148,61	1.30E-13	I	TGGEIYQGA	
2212,076	-0,0078	0	90,73	8.30E-08	I	TGGEIYQGA	
2212,076	-0,0063	0	58,07	7.50E-05	I	TGGEIYQGA	
2212,076	-0,0049	0	47,76	0,00079	I	TGGEIYQGA	
2212,076	-0,0022	0	71,72	3.30E-06	I	TGGEIYQGA	
2242,253	-0,0046	1	50,9	0,00021	M	SQTILSIKNI G	
2290,101	-0,0067	0	35,4	0,012	K	HLGLEELD I L	
2325,16	-0,0125	0	39,15	0,012	E	ITGGEIYQCA	
2418,196	-0,0084	1	93,11	2.80E-08	R	KHLGLEELI L	
2844,443	-0,0029	1	103,57	2.50E-09	K	HLGLEELD I M	
2844,443	-0,0003	1	185,27	1.70E-17	K	HLGLEELD I M	
2844,443	0,0024	1	171,46	4.10E-16	K	HLGLEELD I M	
2972,538	-0,0112	2	73,38	2.40E-06	R	KHLGLEELI M	
3124,474	-0,0103	0	69,93	6.90E-06	I	TGHPDYEIT A	
3124,474	-0,0057	0	70,67	6.10E-06	I	TGHPDYEIT A	
3336,626	-0,0081	0	57,27	8.80E-05	K	VITGHPDYE A	
3336,626	-0,0022	0	127,02	9.40E-12	K	VITGHPDYE A	
3336,626	-0,0011	0	74,63	1.60E-06	K	VITGHPDYE A	
3336,626	0,001	0	51,67	0,00033	K	VITGHPDYE A	
3336,626	0,0027	0	108,79	6.30E-10	K	VITGHPDYE A	
3336,626	0,0034	0	113,69	2.00E-10	K	VITGHPDYE A	
3336,626	0,0036	0	157,04	9.40E-15	K	VITGHPDYE A	
3336,626	0,0052	0	40,86	0,004	K	VITGHPDYE A	
3336,626	0,0082	0	48,66	0,00065	K	VITGHPDYE A	
3336,626	0,0086	0	55,88	0,00012	K	VITGHPDYE A	
3336,626	0,0089	0	169,3	5.70E-16	K	VITGHPDYE A	

3336,626	0,0168	0	91,83	3.30E-08	K	VITGHPDYE A
3336,626	0,0244	0	54,16	0,0002	K	VITGHPDYE A
3365,775	-0,0068	1	87,11	7.80E-08	K	RNEILQMAI I
3493,87	-0,0021	2	79,85	7.60E-07	K	KRNEILQM/I
3493,87	0,0038	2	62,43	4.00E-05	K	KRNEILQM/I
864,5545	-0,0067	1	36,28	0,0012	A	RALPAPLK R
864,5545	-0,0064	1	30,33	0,0048	A	RALPAPLK R
864,5545	-0,0059	1	35,17	0,0016	A	RALPAPLK R
954,5862	-0,0093	1	38,96	0,0037	D	PRILITDK K
1058,507	-0,0078	0	41,41	0,0056	R	MEAVLEDP I
1062,531	-0,0122	0	47,45	0,0016	E	SATVDSLGS R
1062,531	-0,01	0	56,2	0,00025	E	SATVDSLGS R
1084,624	-0,0047	0	70,35	6.60E-06	K	EALATLVVN L
1086,574	-0,0076	0	57,65	0,00021	E	CIVVDKPEK E
1086,574	-0,0063	0	57,27	0,00023	E	CIVVDKPEK E
1096,519	-0,0095	0	40,69	0,0052	S	PYFVTDAEF M
1138,719	-0,0104	1	35,8	0,0036	R	LRGVLNVA A
1138,719	-0,0095	1	29,92	0,014	R	LRGVLNVA A
1138,719	-0,0024	1	49,92	0,0001	R	LRGVLNVA A
1153,73	-0,0073	1	35,76	0,0029	A	LATLVVNRL G
1183,551	-0,0076	0	65,01	8.50E-06	I	SPYFVTDAE M
1183,551	-0,0064	0	35,76	0,0078	I	SPYFVTDAE M
1187,603	-0,0081	0	46,02	0,0014	G	QEGVISLEE S
1191,573	-0,0044	0	50,31	0,00042	L	ESATVDSL C R
1218,632	-0,011	1	43,59	0,0052	E	SATVDSLGS I
1218,632	-0,009	1	44,19	0,0044	E	SATVDSLGS I
1218,632	-0,0086	1	44,97	0,0037	E	SATVDSLGS I
1242,693	-0,0045	1	64,31	3.00E-05	K	LRLEDAINA A
1242,693	-0,0025	1	51,95	0,00049	K	LRLEDAINA A
1242,693	-0,0008	1	38,77	0,0098	K	LRLEDAINA A
1242,693	-0,0001	1	66,59	1.60E-05	K	LRLEDAINA A
1244,625	0,0001	0	43,02	0,006	V	GQEGVISLE S
1252,728	-0,0101	0	42,99	0,0021	K	PLLI AEDIE I E
1273,651	-0,0108	0	48,3	0,00089	L	TGGQVISEI L
1296,635	-0,0025	0	42,85	0,0049	Y	ISPYFVTDAI M
1304,657	-0,0102	0	47,15	0,0022	K	LESATVDSL R
1304,657	-0,01	0	41,35	0,0082	K	LESATVDSL R
1304,657	-0,0067	0	57,81	0,00018	K	LESATVDSL R
1304,657	-0,0063	0	93,64	4.80E-08	K	LESATVDSL R
1304,657	-0,0052	0	100,61	9.60E-09	K	LESATVDSL R
1304,657	-0,0051	0	100,89	9.00E-09	K	LESATVDSL R
1304,657	-0,005	0	95,55	3.10E-08	K	LESATVDSL R
1304,657	-0,0036	0	79,29	1.40E-06	K	LESATVDSL R
1304,657	-0,0033	0	83,86	4.90E-07	K	LESATVDSL R
1304,657	0,0012	0	49,93	0,0012	K	LESATVDSL R
1313,73	-0,0069	2	46,22	0,0013	K	LRLEDAINA A
1313,73	-0,0056	2	40,6	0,0048	K	LRLEDAINA A
1313,73	-0,0054	2	50,59	0,00048	K	LRLEDAINA A

1313,73	-0,0052	2	39,53	0,0056	K	LRLEDAINA A	Oxidation (I
1313,73	-0,0035	2	43,02	0,0027	K	LRLEDAINA A	
1343,693	-0,0085	0	93,69	2.60E-08	K	VGQEGVISI S	
1343,693	-0,0073	0	76,57	1.30E-06	K	VGQEGVISI S	
1343,693	-0,0068	0	43	0,003	K	VGQEGVISI S	
1343,693	-0,0061	0	64,56	2.10E-05	K	VGQEGVISI S	
1343,693	-0,0051	0	57,58	0,0001	K	VGQEGVISI S	
1343,693	-0,0047	0	48,85	0,00078	K	VGQEGVISI S	
1343,693	-0,0041	0	97,31	1.10E-08	K	VGQEGVISI S	
1343,693	-0,0034	0	69,64	6.50E-06	K	VGQEGVISI S	
1343,693	-0,0031	0	45,04	0,0019	K	VGQEGVISI S	
1343,693	-0,0028	0	43,44	0,0027	K	VGQEGVISI S	
1343,693	-0,0027	0	82,53	3.40E-07	K	VGQEGVISI S	
1343,693	-0,0025	0	44,66	0,0021	K	VGQEGVISI S	
1343,693	-0,0017	0	78,61	8.30E-07	K	VGQEGVISI S	
1343,693	-0,0013	0	87,84	1.10E-07	K	VGQEGVISI S	
1343,693	0,0003	0	42,19	0,0037	K	VGQEGVISI S	
1343,693	0,0007	0	88,04	9.50E-08	K	VGQEGVISI S	
1343,693	0,0061	0	40,05	0,0059	K	VGQEGVISI S	
1347,674	-0,0071	1	55,63	0,00015	L	ESATVDSL I	
1353,809	-0,0038	1	42,63	0,001	K	EALATLVV N	
1353,809	-0,0018	1	74,41	5.60E-07	K	EALATLVV N	
1460,758	-0,0038	1	50,06	0,0012	K	LESATVDSL I	
1487,783	-0,0053	0	73,82	2.40E-06	A	TLTGGQVIS L	
1487,783	-0,0037	0	81,61	4.20E-07	A	TLTGGQVIS L	
1487,783	-0,0022	0	82,63	3.20E-07	A	TLTGGQVIS L	
1487,783	-0,0015	0	63,19	2.80E-05	A	TLTGGQVIS L	
1496,685	-0,0055	0	45,64	0,0014	K	SMTTELEITI F	
1496,685	-0,0052	0	64,65	1.70E-05	K	SMTTELEITI F	
1512,68	-0,0004	0	81,4	3.10E-07	K	SMTTELEITI F	
1516,72	-0,0088	0	59,48	8.10E-05	K	GYISPYFVTI M	
1516,72	-0,008	0	37,49	0,013	K	GYISPYFVTI M	
1516,72	-0,004	0	45,72	0,0021	K	GYISPYFVTI M	
1516,72	-0,004	0	42,92	0,004	K	GYISPYFVTI M	
1516,72	-0,0038	0	45,11	0,0024	K	GYISPYFVTI M	
1516,72	-0,0032	0	50,64	0,00069	K	GYISPYFVTI M	
1516,72	-0,0029	0	61,33	5.80E-05	K	GYISPYFVTI M	
1516,72	-0,0024	0	86,81	1.70E-07	K	GYISPYFVTI M	
1516,72	-0,0018	0	60,1	7.70E-05	K	GYISPYFVTI M	
1516,72	-0,0016	0	72,22	4.90E-06	K	GYISPYFVTI M	
1516,72	-0,0005	0	63,57	3.70E-05	K	GYISPYFVTI M	
1516,72	-0,0003	0	51,07	0,00065	K	GYISPYFVTI M	
1527,764	-0,0112	0	118,92	5.80E-11	R	IAENAGQN V	
1527,764	-0,0083	0	74,23	1.70E-06	R	IAENAGQN V	
1527,764	-0,0072	0	124,2	1.80E-11	R	IAENAGQN V	
1527,764	-0,0031	0	60,82	4.10E-05	R	IAENAGQN V	
1527,764	-0,0021	0	87,19	9.30E-08	R	IAENAGQN V	
1527,764	-0,0016	0	74,6	1.60E-06	R	IAENAGQN V	

1530,753	-0,0121	0	55,59	0,00027	K	DNTTIVAEG S	
1530,753	-0,0112	0	58,77	0,00013	K	DNTTIVAEG S	
1530,753	-0,0106	0	52,39	0,00057	K	DNTTIVAEG S	
1530,753	-0,0079	0	65,94	2.50E-05	K	DNTTIVAEG S	
1530,753	-0,0071	0	59,96	0,0001	K	DNTTIVAEG S	
1530,753	-0,0069	0	85,47	2.90E-07	K	DNTTIVAEG S	
1530,753	-0,0064	0	68,05	1.60E-05	K	DNTTIVAEG S	
1565,903	-0,0018	0	79,41	2.60E-07	R	QGKPLLIAT E	
1565,903	-0,0006	0	37,99	0,0034	R	QGKPLLIAT E	
1565,903	-0,0004	0	40,25	0,002	R	QGKPLLIAT E	
1565,903	0,0027	0	53,55	8.60E-05	R	QGKPLLIAT E	
1565,903	0,0052	0	95,08	6.00E-09	R	QGKPLLIAT E	
1624,878	-0,0047	0	52,4	0,00048	V	AGDGTTA T E	
1668,803	-0,0033	1	65,54	2.50E-05	M	TTELEITEG N G	
1668,803	0,001	1	77,18	1.80E-06	M	TTELEITEG N G	
1683,865	-0,0133	1	39,16	0,012	K	RIAENAGQI V	
1683,865	-0,005	1	64,81	1.80E-05	K	RIAENAGQI V	
1700,946	0,002	1	63,96	2.10E-05	K	KFGSPQIIN E	
1700,946	0,0043	1	46,76	0,001	K	KFGSPQIIN E	
1741,928	-0,0009	1	53,6	0,00024	R	MEAVLEDP K	
1791,051	0,001	1	32,85	0,0075	K	KINLVQDLV R	
1819,057	-0,0015	0	39,22	0,0023	K	INLVQDLVF Q	
1819,057	0,0074	0	47,72	0,00024	K	INLVQDLVF Q	
1863,835	-0,0023	1	58,63	2.60E-05	K	GYISPYFVTI V	Oxidation (I
1863,835	-0,0001	1	54,66	6.70E-05	K	GYISPYFVTI V	Oxidation (I
1886,875	-0,0112	1	55,03	8.60E-05	K	SMTTELEITI G	
1886,875	-0,0103	1	69,04	6.30E-06	K	SMTTELEITI G	
1886,875	-0,0089	1	69,59	5.80E-06	K	SMTTELEITI G	
1886,875	-0,0087	1	112,72	2.80E-10	K	SMTTELEITI G	
1886,875	-0,0084	1	53	0,00027	K	SMTTELEITI G	
1886,875	-0,0083	1	112,87	2.80E-10	K	SMTTELEITI G	
1886,875	-0,0058	1	55,41	0,00016	K	SMTTELEITI G	
1886,875	-0,0057	1	105,59	1.50E-09	K	SMTTELEITI G	
1886,875	-0,0052	1	39,03	0,007	K	SMTTELEITI G	
1886,875	-0,0044	1	39,19	0,0069	K	SMTTELEITI G	
1886,875	-0,0034	1	95,93	1.50E-08	K	SMTTELEITI G	
1886,875	-0,0029	1	56,06	0,00014	K	SMTTELEITI G	
1886,875	-0,0017	1	44,28	0,0023	K	SMTTELEITI G	
1886,875	0,0001	1	55,42	0,00018	K	SMTTELEITI G	
1886,875	0,001	1	50,62	0,00053	K	SMTTELEITI G	
1886,875	0,0021	1	73,09	3.10E-06	K	SMTTELEITI G	
1894,804	-0,0052	0	69,4	1.20E-06	I	SAGNDEEV V	Oxidation (I
1894,804	0,0016	0	67,27	2.40E-06	I	SAGNDEEV V	Oxidation (I
1902,87	-0,0096	1	36,47	0,0094	K	SMTTELEITI G	Oxidation (I
1902,87	-0,0088	1	35,65	0,014	K	SMTTELEITI G	Oxidation (I
1902,87	-0,0062	1	50,02	0,00044	K	SMTTELEITI G	Oxidation (I
1902,87	-0,0052	1	42,83	0,0024	K	SMTTELEITI G	Oxidation (I
1902,87	-0,0049	1	58,39	7.50E-05	K	SMTTELEITI G	Oxidation (I



1902,87	-0,0019	1	56,92	9.70E-05	K	SMTTELEITI G	Oxidation (I
1911,029	-0,0164	2	45,89	0,0013	K	RIAENAGQI E	
1911,029	-0,0106	2	75,9	1.20E-06	K	RIAENAGQI E	
1911,029	-0,01	2	42,09	0,003	K	RIAENAGQI E	
1911,029	-0,0095	2	68,76	6.40E-06	K	RIAENAGQI E	
1911,029	-0,0082	2	92,57	2.70E-08	K	RIAENAGQI E	
1911,029	-0,0068	2	56,54	0,00011	K	RIAENAGQI E	
1947,152	-0,0031	1	57,86	1.40E-05	K	KINLVQDLV Q	
1947,152	-0,0016	1	29,92	0,0089	K	KINLVQDLV Q	
1947,152	0,0024	1	69,37	9.80E-07	K	KINLVQDLV Q	
2054,064	-0,0062	0	78,46	8.30E-07	K	TNDVAGDC E	
2062,93	-0,0105	0	47,94	0,00051	G	AISAGNDEI V	
2080,08	-0,0156	1	56,73	0,00026	A	KEIELEDHV Q	
2160,117	-0,0156	0	125,9	1.70E-11	A	ASIAGMVL T E	
2205,332	-0,0141	2	30,89	0,0032	K	EALATLVVN A	
2205,332	-0,0123	2	42,91	0,0002	K	EALATLVVN A	
2213,136	-0,0066	2	60,92	4.80E-05	T	DAERMEAV K	
2213,136	-0,0061	2	51,03	0,00046	T	DAERMEAV K	
2345,197	0,0009	0	48,99	0,0013	Q	NAASIAGM' E	
2557,216	-0,0129	1	101,74	5.00E-09	K	GYISPYFVTI I	
2557,216	-0,0081	1	51,1	0,0006	K	GYISPYFVTI I	
2573,211	-0,0044	1	46,32	0,00082	K	GYISPYFVTI I	Oxidation (I
2602,237	-0,0013	0	100,73	7.10E-09	K	AIAQVGAIS V	
2602,237	0,0107	0	60,52	8.20E-05	K	AIAQVGAIS V	
2618,232	-0,0126	0	75,32	9.30E-07	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0121	0	65,38	9.20E-06	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0087	0	120,67	2.90E-11	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0065	0	65,61	8.90E-06	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0053	0	54,01	0,00014	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0044	0	58,83	4.60E-05	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,003	0	102,04	2.20E-09	K	AIAQVGAIS V	Oxidation (I
2618,232	-0,0028	0	120,47	3.20E-11	K	AIAQVGAIS V	Oxidation (I
2618,232	0,0005	0	93,89	1.50E-08	K	AIAQVGAIS V	Oxidation (I
2618,232	0,0017	0	110,93	2.90E-10	K	AIAQVGAIS V	Oxidation (I
2618,232	0,004	0	70,72	3.10E-06	K	AIAQVGAIS V	Oxidation (I
2632,516	0,0002	1	96,53	6.00E-09	R	QGKPLLI A I L	
2634,227	-0,0088	0	46,12	0,00072	K	AIAQVGAIS V	2 Oxidation
2634,227	-0,0086	0	50,64	0,00026	K	AIAQVGAIS V	2 Oxidation
2634,227	-0,0016	0	65,97	7.60E-06	K	AIAQVGAIS V	2 Oxidation
2634,227	-0,0013	0	39,77	0,0032	K	AIAQVGAIS V	2 Oxidation
2634,227	-0,0001	0	35,39	0,0088	K	AIAQVGAIS V	2 Oxidation
2634,227	0,0009	0	64,66	1.10E-05	K	AIAQVGAIS V	2 Oxidation
2634,227	0,0032	0	45,87	0,00084	K	AIAQVGAIS V	2 Oxidation
2634,227	0,005	0	76,3	7.50E-07	K	AIAQVGAIS V	2 Oxidation
2744,409	0,0043	0	166,23	1.30E-15	R	SALQNAAS E	
2744,409	0,0079	0	177,16	1.10E-16	R	SALQNAAS E	
2820,437	0,0027	2	79,29	6.50E-07	S	PYFVTDAEF K	
2907,469	0,0036	2	128,45	8.00E-12	I	SPYFVTDAE K	

2907,469	0,0036	2	87,39	1.00E-07	I	SPYFVTDAE K
3020,553	0,0056	2	73,08	2.60E-06	Y	ISPYFVTDAI K
3240,638	-0,0024	2	55,44	0,00016	K	GYISPYFVTI K
3240,638	0,0001	2	88,8	7.20E-08	K	GYISPYFVTI K
1242,693	-0,0045	1	64,31	3.00E-05	K	LRIEDALNA A
1242,693	-0,0025	1	51,95	0,00049	K	LRIEDALNA A
1242,693	-0,0008	1	38,77	0,0098	K	LRIEDALNA A
1242,693	-0,0001	1	66,59	1.60E-05	K	LRIEDALNA A
1287,667	-0,0098	0	56,38	0,00015	A	SNAGVEGS V
1287,667	-0,0077	0	56,1	0,00016	A	SNAGVEGS V
1307,742	-0,007	1	40,46	0,0021	R	NVAAGANP G
1313,73	-0,0069	2	46,22	0,0013	K	LRIEDALNA A
1313,73	-0,0056	2	40,6	0,0048	K	LRIEDALNA A
1313,73	-0,0054	2	50,59	0,00048	K	LRIEDALNA A
1313,73	-0,0052	2	39,53	0,0056	K	LRIEDALNA A
1313,73	-0,0035	2	43,02	0,0027	K	LRIEDALNA A
1450,705	-0,0026	0	87,31	1.80E-07	K	EATGNQGY I
1450,705	-0,0022	0	80,94	8.00E-07	K	EATGNQGY I
1532,715	0,0005	0	39,18	0,0084	R	GYISPYFITE Q
1532,715	0,0025	0	57,88	0,00012	R	GYISPYFITE Q
2006,893	-0,0084	0	114,41	9.60E-11	A	TVSSGNDP V
2006,893	-0,0046	0	68,5	4.10E-06	A	TVSSGNDP V
2006,893	-0,0019	0	85,34	9.10E-08	A	TVSSGNDP V
2459,338	-0,0085	1	57,73	5.60E-05	A	KALEAPLHC V
1126,621	-0,0095	1	41,6	0,0062	L	RQANAGLC A
1133,583	-0,0131	0	41,63	0,0039	L	VNGAAQAV F
1239,705	-0,0119	1	50,09	0,00033	R	LRQANAGL A
1239,705	-0,008	1	37,3	0,0062	R	LRQANAGL A
1239,705	-0,008	1	45,78	0,00088	R	LRQANAGL A
1239,705	-0,0074	1	71,44	2.40E-06	R	LRQANAGL A
1239,705	-0,0061	1	63,18	1.60E-05	R	LRQANAGL A
1239,705	-0,0056	1	71,74	2.20E-06	R	LRQANAGL A
1239,705	-0,004	1	44,72	0,0013	R	LRQANAGL A
1333,647	-0,0059	0	38,79	0,0062	P	LTEAVSTAD F
1333,699	-0,0113	0	46,21	0,0013	Q	SLVNGAAQ F
1419,686	-0,0088	2	46,65	0,00088	Q	GNNFAADC C
1430,7	-0,0071	0	43,41	0,0042	T	PLTEAVSTA F
1467,772	-0,0079	0	50,98	0,00038	R	FLSSTELQI/ L
1467,772	-0,0073	0	49,24	0,00059	R	FLSSTELQI/ L
1467,772	-0,0024	0	49,46	0,0005	R	FLSSTELQI/ L
1467,772	-0,0016	0	59,16	5.30E-05	R	FLSSTELQI/ L
1531,748	-0,0164	0	125,98	1.10E-11	K	TPLTEAVST. F
1531,748	-0,0131	0	55,93	0,00012	K	TPLTEAVST. F
1531,748	-0,01	0	76,61	1.10E-06	K	TPLTEAVST. F
1531,748	-0,0099	0	70,97	3.90E-06	K	TPLTEAVST. F
1531,748	-0,0093	0	103,02	2.40E-09	K	TPLTEAVST. F
1531,748	-0,0093	0	100,59	4.20E-09	K	TPLTEAVST. F
1531,748	-0,009	0	49,81	0,00051	K	TPLTEAVST. F

1531,748	-0,009	0	95,26	1.40E-08	K	TPLTEAVST, F	
1531,748	-0,0088	0	87,11	9.40E-08	K	TPLTEAVST, F	
1531,748	-0,0088	0	71,68	3.30E-06	K	TPLTEAVST, F	
1531,748	-0,0086	0	83,71	2.10E-07	K	TPLTEAVST, F	
1531,748	-0,008	0	89,33	5.50E-08	K	TPLTEAVST, F	
1531,748	-0,0079	0	125,99	1.20E-11	K	TPLTEAVST, F	
1531,748	-0,0077	0	56,61	0,00011	K	TPLTEAVST, F	
1531,748	-0,0077	0	65,74	1.30E-05	K	TPLTEAVST, F	
1531,748	-0,0076	0	96,2	1.20E-08	K	TPLTEAVST, F	
1531,748	-0,0074	0	85,92	1.30E-07	K	TPLTEAVST, F	
1531,748	-0,0069	0	114,81	1.70E-10	K	TPLTEAVST, F	
1531,748	-0,0067	0	84,05	2.00E-07	K	TPLTEAVST, F	
1531,748	-0,0067	0	111,73	3.40E-10	K	TPLTEAVST, F	
1531,748	-0,0064	0	105,23	1.50E-09	K	TPLTEAVST, F	
1531,748	-0,0063	0	93,13	2.50E-08	K	TPLTEAVST, F	
1531,748	-0,0058	0	76,35	1.10E-06	K	TPLTEAVST, F	
1531,748	-0,0054	0	79,1	6.00E-07	K	TPLTEAVST, F	
1531,748	-0,0053	0	36,41	0,011	K	TPLTEAVST, F	
1531,748	-0,0047	0	100,85	4.00E-09	K	TPLTEAVST, F	
1531,748	-0,0045	0	64,48	1.70E-05	K	TPLTEAVST, F	
1531,748	-0,0044	0	79,92	4.80E-07	K	TPLTEAVST, F	
1531,748	-0,0037	0	103,49	2.30E-09	K	TPLTEAVST, F	
1531,748	-0,0008	0	51,4	0,00039	K	TPLTEAVST, F	
1531,748	-0,0006	0	73,87	2.20E-06	K	TPLTEAVST, F	
1573,758	0,0006	0	56,48	0,0001	K	TPLTEAVST, F	Acetyl (N-ter)
1646,838	-0,0002	0	80,75	9.50E-07	D	NAQSLVNG F	
1646,838	0,0015	0	100,19	1.10E-08	D	NAQSLVNG F	
1646,838	0,0078	0	55,46	0,00031	D	NAQSLVNG F	
1654,824	0,0032	0	41,46	0,0075	R	TFDLSPSW Y	
1790,883	-0,008	1	67,37	1.90E-05	-	MKTPLTEAV F	
1806,878	-0,0132	1	68,85	1.20E-05	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0088	1	97,03	1.90E-08	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0074	1	67,86	1.60E-05	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0068	1	56,64	0,00021	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0046	1	69,25	1.20E-05	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0036	1	90,45	9.20E-08	-	MKTPLTEAV F	Oxidation (I
1806,878	-0,0024	1	47,27	0,0019	-	MKTPLTEAV F	Oxidation (I
1862,912	-0,002	0	101,4	7.70E-09	L	TDNAQSLV F	
1862,912	-0,0012	0	107,22	2.10E-09	L	TDNAQSLV F	
1957,892	-0,0162	0	52	0,00012	K	FPYTTQTQC G	
1957,892	-0,0118	0	35,63	0,0059	K	FPYTTQTQC G	
1957,892	-0,0107	0	67,87	3.50E-06	K	FPYTTQTQC G	
1957,892	-0,0092	0	131,09	1.70E-12	K	FPYTTQTQC G	
1957,892	-0,0082	0	56,27	5.30E-05	K	FPYTTQTQC G	
1957,892	-0,008	0	90,96	1.80E-08	K	FPYTTQTQC G	
1957,892	-0,008	0	50,11	0,00022	K	FPYTTQTQC G	
1957,892	-0,008	0	71,3	1.70E-06	K	FPYTTQTQC G	
1957,892	-0,0076	0	122,14	1.40E-11	K	FPYTTQTQC G	

1957,892	-0,0076	0	125,13	7.00E-12	K	FPYTTQTQC G
1957,892	-0,0075	0	66,76	4.80E-06	K	FPYTTQTQC G
1957,892	-0,0074	0	107,26	4.20E-10	K	FPYTTQTQC G
1957,892	-0,0073	0	127,29	4.20E-12	K	FPYTTQTQC G
1957,892	-0,0073	0	127,29	4.20E-12	K	FPYTTQTQC G
1957,892	-0,0068	0	142,16	1.40E-13	K	FPYTTQTQC G
1957,892	-0,0066	0	124,18	8.60E-12	K	FPYTTQTQC G
1957,892	-0,0059	0	51,01	0,00018	K	FPYTTQTQC G
1957,892	-0,0055	0	123,73	9.60E-12	K	FPYTTQTQC G
1957,892	-0,0054	0	96,06	5.60E-09	K	FPYTTQTQC G
1957,892	-0,0046	0	64,68	8.10E-06	K	FPYTTQTQC G
1957,892	-0,0032	0	113,45	1.10E-10	K	FPYTTQTQC G
1957,892	-0,002	0	56,58	5.40E-05	K	FPYTTQTQC G
1957,892	0,0013	0	71,41	1.90E-06	K	FPYTTQTQC G
1957,892	0,0018	0	50,69	0,00023	K	FPYTTQTQC G
1975,996	-0,002	0	44,86	0,002	A	LTDNAQSL' F
1975,996	0,0018	0	85,98	1.60E-07	A	LTDNAQSL' F
2047,033	-0,0181	0	53,3	0,0005	K	ALTDNAQS F
2047,033	-0,0149	0	59,46	0,00012	K	ALTDNAQS F
2047,033	-0,0122	0	185,15	3.30E-17	K	ALTDNAQS F
2047,033	-0,0088	0	187,74	1.80E-17	K	ALTDNAQS F
2047,033	-0,0066	0	160,37	1.00E-14	K	ALTDNAQS F
2047,033	-0,0042	0	157,31	2.10E-14	K	ALTDNAQS F
2047,033	-0,0038	0	113,42	5.10E-10	K	ALTDNAQS F
2047,033	-0,0024	0	68,53	1.60E-05	K	ALTDNAQS F
2047,033	-0,0024	0	80,1	1.10E-06	K	ALTDNAQS F
2047,033	-0,0023	0	156,57	2.50E-14	K	ALTDNAQS F
2047,033	-0,0021	0	124,49	4.00E-11	K	ALTDNAQS F
2047,033	-0,0014	0	165,52	3.10E-15	K	ALTDNAQS F
2047,033	0,0023	0	93,42	5.10E-08	K	ALTDNAQS F
2047,033	0,0037	0	53,02	0,00055	K	ALTDNAQS F
2047,033	0,0049	0	125,49	3.10E-11	K	ALTDNAQS F
2047,033	0,0057	0	98,59	1.50E-08	K	ALTDNAQS F
2047,033	0,0062	0	174,55	3.90E-16	K	ALTDNAQS F
2143,008	-0,0143	1	65,58	1.60E-05	K	FPYTTQTQC D
2143,008	-0,0135	1	53,79	0,00025	K	FPYTTQTQC D
2143,008	-0,0134	1	56,15	0,00014	K	FPYTTQTQC D
2143,008	-0,0131	1	57,4	0,00011	K	FPYTTQTQC D
2143,008	-0,0093	1	119,02	7.60E-11	K	FPYTTQTQC D
2143,008	-0,0068	1	123,14	3.10E-11	K	FPYTTQTQC D
2143,008	-0,0059	1	59,69	6.90E-05	K	FPYTTQTQC D
2143,008	-0,0051	1	69,01	8.20E-06	K	FPYTTQTQC D
2143,008	-0,0002	1	42,74	0,0037	K	FPYTTQTQC D
2386,13	-0,0171	2	60,81	5.70E-05	K	FPYTTQTQC C
2386,13	-0,0168	2	69,06	8.50E-06	K	FPYTTQTQC C
2386,13	-0,0126	2	68,79	9.60E-06	K	FPYTTQTQC C
2386,13	-0,0114	2	86,44	1.60E-07	K	FPYTTQTQC C
2636,21	-0,0065	1	40	0,0026	K	ANHGLSGC -

2981,509	-0,003	1	75,82	1.40E-06	K	TPLTEAVST. L	
2981,509	0,0096	1	84,7	1.80E-07	K	TPLTEAVST. L	
3256,64	-0,0015	2	47,92	0,0018	-	MKTPLTEAV. L	Oxidation (I
975,4807	-0,0085	1	40,36	0,0041	D	RNAMDELK. A	
1072,599	-0,008	1	51,95	0,00062	I	NANSATIVK. A	
1090,508	-0,0101	1	51,02	0,00045	L	DRNAMDEI. A	
1090,508	-0,0043	1	45,46	0,002	L	DRNAMDEI. A	
1090,508	-0,0038	1	38,15	0,01	L	DRNAMDEI. A	
1106,503	-0,0105	1	39,79	0,0043	L	DRNAMDEI. A	Oxidation (I
1106,503	-0,0075	1	40,88	0,0037	L	DRNAMDEI. A	Oxidation (I
1106,503	-0,0061	1	37,6	0,0081	L	DRNAMDEI. A	Oxidation (I
1115,521	-0,0113	0	63,33	1.10E-05	I	AADNNVLD. V	
1146,643	-0,0118	1	60,59	6.20E-05	-	MRDAVTTLI. N	
1146,643	-0,011	1	58,62	9.00E-05	-	MRDAVTTLI. N	
1146,643	-0,0102	1	59,16	7.90E-05	-	MRDAVTTLI. N	
1146,643	-0,0096	1	51,61	0,00045	-	MRDAVTTLI. N	
1146,643	-0,0084	1	70,69	6.00E-06	-	MRDAVTTLI. N	
1146,643	-0,0079	1	59,75	6.90E-05	-	MRDAVTTLI. N	
1146,643	-0,0074	1	56,89	0,00013	-	MRDAVTTLI. N	
1146,643	-0,0071	1	63,47	2.80E-05	-	MRDAVTTLI. N	
1146,643	-0,0066	1	67,33	1.20E-05	-	MRDAVTTLI. N	
1146,643	-0,0057	1	41,32	0,0047	-	MRDAVTTLI. N	
1146,643	-0,0055	1	60,12	6.20E-05	-	MRDAVTTLI. N	
1146,643	-0,0049	1	50,63	0,00054	-	MRDAVTTLI. N	
1146,643	-0,0047	1	54,51	0,00022	-	MRDAVTTLI. N	
1146,643	-0,0046	1	48,77	0,00083	-	MRDAVTTLI. N	
1146,643	-0,0042	1	59,68	6.70E-05	-	MRDAVTTLI. N	
1146,643	-0,0036	1	47,42	0,0011	-	MRDAVTTLI. N	
1146,643	-0,0032	1	44,71	0,0021	-	MRDAVTTLI. N	
1146,643	-0,0021	1	49,58	0,00066	-	MRDAVTTLI. N	
1146,643	-0,0021	1	43,06	0,0029	-	MRDAVTTLI. N	
1162,638	-0,0123	1	41,31	0,0069	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0087	1	38,71	0,012	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0073	1	44,72	0,0028	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0065	1	51,16	0,00061	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,006	1	39	0,01	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,006	1	42,5	0,0045	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0059	1	58,38	0,00012	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0056	1	39,09	0,01	-	MRDAVTTLI. N	Oxidation (I
1162,638	-0,0049	1	48,45	0,0012	-	MRDAVTTLI. N	Oxidation (I
1185,683	-0,006	1	43,09	0,002	M	INANSATIVI. A	
1188,654	-0,007	1	38,56	0,012	-	MRDAVTTLI. N	Acetyl (N-te
1203,592	-0,0082	1	44,65	0,0016	Y	LDRNAMDE. A	
1203,592	-0,0036	1	43,64	0,0022	Y	LDRNAMDE. A	
1219,587	-0,0075	1	36,29	0,01	Y	LDRNAMDE. A	Oxidation (I
1228,605	-0,0103	0	94,8	3.00E-08	L	IAADNNVLI. V	
1316,723	-0,0028	1	83,86	3.10E-07	A	MINANSATI. A	
1332,718	-0,0046	1	50,84	0,00081	A	MINANSATI. A	Oxidation (I

1366,655	-0,0089	1	48,89	0,0011	R	YLDRNAMC A	
1366,655	-0,0087	1	53,13	0,00041	R	YLDRNAMC A	
1366,655	-0,0064	1	52,94	0,00043	R	YLDRNAMC A	
1366,655	-0,0063	1	40,22	0,0081	R	YLDRNAMC A	
1382,65	-0,0077	1	39,66	0,0075	R	YLDRNAMC A	Oxidation (I
1382,65	-0,0061	1	44,19	0,0027	R	YLDRNAMC A	Oxidation (I
1403,755	-0,0091	1	97,01	1.10E-08	A	AMINANSA` A	Oxidation (I
1403,755	-0,0071	1	83,18	2.60E-07	A	AMINANSA` A	Oxidation (I
1403,755	-0,0048	1	49,06	0,00068	A	AMINANSA` A	Oxidation (I
1403,755	-0,0017	1	59,14	6.00E-05	A	AMINANSA` A	Oxidation (I
1403,755	0,002	1	50,65	0,00043	A	AMINANSA` A	Oxidation (I
1458,798	-0,008	1	66,07	2.30E-05	A	AAMINANS, A	
1458,798	-0,0034	1	75,68	2.20E-06	A	AAMINANS, A	
1474,793	-0,0109	1	105,65	3.00E-09	A	AAMINANS, A	Oxidation (I
1474,793	-0,006	1	55,84	0,00027	A	AAMINANS, A	Oxidation (I
1474,793	-0,0059	1	44,24	0,004	A	AAMINANS, A	Oxidation (I
1529,835	-0,0065	1	104,2	1.90E-09	A	AAAMINAN: A	
1529,835	-0,0036	1	38,8	0,0066	A	AAAMINAN: A	
1529,835	-0,0035	1	69,04	6.20E-06	A	AAAMINAN: A	
1529,835	-0,0031	1	79,99	5.00E-07	A	AAAMINAN: A	
1529,835	-0,0027	1	94,35	1.70E-08	A	AAAMINAN: A	
1529,835	-0,0023	1	124,95	1.50E-11	A	AAAMINAN: A	
1545,83	-0,0124	1	79,28	6.70E-07	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0104	1	47,63	0,002	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0103	1	68,41	1.70E-05	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0088	1	92,06	3.50E-08	A	AAAMINAN: A	Oxidation (I
1545,83	-0,007	1	113,27	2.70E-10	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0069	1	47,81	0,00094	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0057	1	66,58	1.20E-05	A	AAAMINAN: A	Oxidation (I
1545,83	-0,0034	1	42,17	0,0033	A	AAAMINAN: A	Oxidation (I
1557,855	-0,0024	0	78,27	6.90E-07	R	IAAAAMINA R	
1557,855	-0,0022	0	72,41	2.70E-06	R	IAAAAMINA R	
1557,855	-0,0016	0	84,95	1.40E-07	R	IAAAAMINA R	
1557,855	-0,0003	0	69,09	5.50E-06	R	IAAAAMINA R	
1557,855	-0,0002	0	89,48	5.00E-08	R	IAAAAMINA R	
1557,855	0,0014	0	76,97	8.90E-07	R	IAAAAMINA R	
1573,85	-0,0163	0	41,03	0,0044	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0097	0	77,23	9.80E-07	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0095	0	87,87	8.50E-08	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0089	0	70,61	4.50E-06	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0055	0	43,04	0,0025	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0048	0	71,52	3.30E-06	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0042	0	90,66	4.00E-08	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0026	0	111,05	3.70E-10	R	IAAAAMINA R	Oxidation (I
1573,85	-0,0024	0	106,77	9.90E-10	R	IAAAAMINA R	Oxidation (I
1573,85	0,0008	0	46,33	0,0011	R	IAAAAMINA R	Oxidation (I
1573,85	0,0043	0	53,46	0,00021	R	IAAAAMINA R	Oxidation (I
1600,872	-0,0077	1	96,22	2.10E-08	I	AAAAMINAI A	

1600,872	-0,0073	1	91,55	6.10E-08	I	AAAAMINAI A	
1600,872	-0,0072	1	94,35	3.20E-08	I	AAAAMINAI A	
1601,841	-0,011	0	64,63	2.00E-05	R	ETYNISLGVF G	
1601,841	-0,009	0	45,68	0,0017	R	ETYNISLGVF G	
1601,841	-0,0064	0	51,69	0,00039	R	ETYNISLGVF G	
1601,841	-0,0062	0	39,61	0,0062	R	ETYNISLGVF G	
1601,841	-0,0052	0	76,7	1.20E-06	R	ETYNISLGVF G	
1601,841	-0,0042	0	62,51	3.20E-05	R	ETYNISLGVF G	
1601,841	-0,0042	0	72,07	3.50E-06	R	ETYNISLGVF G	
1601,841	-0,0042	0	61,09	4.40E-05	R	ETYNISLGVF G	
1601,841	-0,0039	0	60,3	5.30E-05	R	ETYNISLGVF G	
1601,841	-0,0037	0	43,86	0,0023	R	ETYNISLGVF G	
1601,841	-0,0037	0	66,31	1.30E-05	R	ETYNISLGVF G	
1601,841	-0,0035	0	58,11	8.70E-05	R	ETYNISLGVF G	
1601,841	-0,0015	0	68,84	7.50E-06	R	ETYNISLGVF G	
1601,841	-0,0015	0	63,47	2.60E-05	R	ETYNISLGVF G	
1601,841	0,0009	0	47,16	0,001	R	ETYNISLGVF G	
1601,841	0,0012	0	60,24	5.40E-05	R	ETYNISLGVF G	
1616,867	-0,0141	1	89,43	1.20E-07	I	AAAAMINAI A	Oxidation (I
1616,867	-0,0082	1	111,65	7.00E-10	I	AAAAMINAI A	Oxidation (I
1616,867	-0,0069	1	39,47	0,011	I	AAAAMINAI A	Oxidation (I
1713,956	-0,0079	1	72,38	5.50E-06	R	IAAAAMINA A	
1713,956	-0,0072	1	68,45	1.40E-05	R	IAAAAMINA A	
1713,956	-0,0071	1	53,85	0,00015	R	IAAAAMINA A	
1713,956	-0,0059	1	122,26	2.10E-11	R	IAAAAMINA A	
1713,956	-0,0047	1	87,47	6.30E-08	R	IAAAAMINA A	
1713,956	-0,0047	1	71,46	2.50E-06	R	IAAAAMINA A	
1713,956	-0,0036	1	109,29	4.10E-10	R	IAAAAMINA A	
1713,956	0,0006	1	93,85	1.30E-08	R	IAAAAMINA A	
1713,956	0,0037	1	86	7.20E-08	R	IAAAAMINA A	
1729,951	-0,0172	1	35,49	0,014	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0161	1	38,26	0,0071	R	IAAAAMINA A	Oxidation (I
1729,951	-0,012	1	38,58	0,0065	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0105	1	36,66	0,01	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0105	1	51,53	0,00033	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0102	1	68,43	6.60E-06	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0095	1	57,06	8.60E-05	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0091	1	53,79	0,00018	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0086	1	104,14	1.70E-09	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0076	1	88,22	6.60E-08	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0063	1	94,38	1.50E-08	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0052	1	153,62	1.80E-14	R	IAAAAMINA A	Oxidation (I
1729,951	-0,005	1	122,17	2.50E-11	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0048	1	76,38	9.60E-07	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0048	1	133,86	1.70E-12	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0047	1	89,36	4.80E-08	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0036	1	58,37	6.30E-05	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0034	1	132,36	2.50E-12	R	IAAAAMINA A	Oxidation (I

1729,951	-0,0031	1	44,07	0,0017	R	IAAAAMINA A	Oxidation (I
1729,951	-0,0028	1	39,07	0,0053	R	IAAAAMINA A	Oxidation (I
1729,951	0,0009	1	56,11	9.50E-05	R	IAAAAMINA A	Oxidation (I
1737,778	-0,0082	0	45,58	0,00051	L	NSTDFIASP E	
1737,778	-0,0075	0	41,65	0,0013	L	NSTDFIASP E	
1737,778	-0,0002	0	57,87	3.60E-05	L	NSTDFIASP E	
1850,862	-0,0049	0	39,45	0,0072	S	LNSTDFIAS E	
1896,922	-0,0107	0	60,84	7.10E-05	R	YASYALIAAI V	
1896,922	-0,0051	0	110,35	9.00E-10	R	YASYALIAAI V	
1896,922	-0,0034	0	56,02	0,00024	R	YASYALIAAI V	
1896,922	-0,0017	0	99,17	1.20E-08	R	YASYALIAAI V	
1896,922	-0,0006	0	93	5.00E-08	R	YASYALIAAI V	
1896,922	-0,0005	0	64,66	3.40E-05	R	YASYALIAAI V	
1896,922	-0,0003	0	113,26	4.70E-10	R	YASYALIAAI V	
1896,922	0,002	0	95,08	3.20E-08	R	YASYALIAAI V	
1896,922	0,0029	0	52,06	0,00064	R	YASYALIAAI V	
1896,922	0,0042	0	89,02	1.30E-07	R	YASYALIAAI V	
1896,922	0,0043	0	85,42	3.00E-07	R	YASYALIAAI V	
1896,922	0,0045	0	75,86	2.70E-06	R	YASYALIAAI V	
1896,922	0,0046	0	107,18	2.00E-09	R	YASYALIAAI V	
1896,922	0,0054	0	68,07	1.60E-05	R	YASYALIAAI V	
1937,894	-0,0037	0	36,66	0,0064	S	SLNSTDFIA E	
1937,894	-0,0001	0	43,14	0,0015	S	SLNSTDFIA E	
1937,894	0,0011	0	60,6	2.70E-05	S	SLNSTDFIA E	
1966,031	-0,0088	2	47,68	0,0015	-	MRDAVTTLI Y	
2024,926	-0,0015	0	49,93	0,00051	D	SSLNSTDFI E	
2139,953	-0,027	0	46,96	0,00027	E	DSSLNSTDI E	
2186,043	-0,0094	2	49,82	0,00042	K	NYDLTGRYIA	
2186,043	-0,0079	2	66,28	9.60E-06	K	NYDLTGRYIA	
2186,043	-0,0073	2	38,17	0,0064	K	NYDLTGRYIA	
2202,038	-0,008	2	45,4	0,001	K	NYDLTGRYIA	Oxidation (I
2202,038	-0,0079	2	52,37	0,0002	K	NYDLTGRYIA	Oxidation (I
2202,038	-0,0048	2	52,26	0,00022	K	NYDLTGRYIA	Oxidation (I
2202,038	-0,0041	2	35,31	0,011	K	NYDLTGRYIA	Oxidation (I
2268,259	-0,0083	1	50,34	0,00027	R	VLQGLRET\ G	
2268,259	-0,0027	1	33,61	0,012	R	VLQGLRET\ G	
2335,09	-0,0064	2	42,09	0,0039	R	YLDNRNMC I	
2335,09	-0,0051	2	43,94	0,0025	R	YLDNRNMC I	
2526,29	-0,0002	1	43,14	0,0028	K	AYFESGSAF R	
2542,285	0,0047	1	94,68	3.60E-08	K	AYFESGSAF R	Oxidation (I
2682,391	0	2	74,94	1.70E-06	K	AYFESGSAF A	
3076,31	-0,0055	0	52,48	6.00E-05	K	EMIEAMAEI E	2 Oxidation
3092,305	-0,0057	0	89,37	4.60E-09	K	EMIEAMAEI E	3 Oxidation
3092,305	-0,0032	0	42,26	0,00024	K	EMIEAMAEI E	3 Oxidation
844,4039	-0,0106	0	46,39	0,0013	I	VNADAEAR Y	
844,4039	-0,008	0	38,36	0,0087	I	VNADAEAR Y	
844,4039	-0,0065	0	55,76	0,00016	I	VNADAEAR Y	
844,4039	-0,0055	0	43,1	0,003	I	VNADAEAR Y	



926,5185	-0,0135	1	41,04	0,0064	S	PGELDRIK A	Acetyl (N-ter)
926,5185	-0,0068	1	50,19	0,00069	S	PGELDRIK A	
957,4879	-0,0089	0	46,88	0,001	S	IVNADAEAF Y	
957,4879	-0,0056	0	37,01	0,0096	S	IVNADAEAF Y	
999,4985	-0,0065	0	42,52	0,0021	S	IVNADAEAF Y	
1013,551	-0,0123	1	41,19	0,0044	L	SPGELDRIK A	
1013,551	-0,0122	1	53,43	0,00026	L	SPGELDRIK A	
1013,551	-0,012	1	38,62	0,0079	L	SPGELDRIK A	
1013,551	-0,0109	1	51,96	0,00039	L	SPGELDRIK A	
1013,551	-0,0093	1	38,32	0,008	L	SPGELDRIK A	
1013,551	-0,0082	1	37,23	0,01	L	SPGELDRIK A	
1013,551	-0,008	1	45,93	0,0014	L	SPGELDRIK A	
1013,551	-0,0079	1	42,27	0,0032	L	SPGELDRIK A	
1013,551	-0,0073	1	43,43	0,0026	L	SPGELDRIK A	
1013,551	-0,0068	1	52,34	0,00033	L	SPGELDRIK A	
1044,52	-0,0091	0	43,38	0,0043	K	SIVNADAEAF Y	
1044,52	-0,0076	0	62,78	5.20E-05	K	SIVNADAEAF Y	
1044,52	-0,0071	0	78,09	1.50E-06	K	SIVNADAEAF Y	
1044,52	-0,0067	0	59,39	0,00011	K	SIVNADAEAF Y	
1044,52	-0,0034	0	44,98	0,0032	K	SIVNADAEAF Y	
1048,519	-0,0079	0	55,23	0,0003	R	YLSPGELDF I	
1048,519	-0,0055	0	38,75	0,013	R	YLSPGELDF I	
1061,562	-0,0078	1	36,54	0,013	K	QAGDRLFQ R	
1068,593	-0,0137	0	54,84	0,00027	T	PIEAVAQSV E	
1068,593	-0,0127	0	48,71	0,0011	T	PIEAVAQSV E	
1068,593	-0,0101	0	53,87	0,00032	T	PIEAVAQSV E	
1068,593	-0,01	0	51,91	0,00053	T	PIEAVAQSV E	
1068,593	-0,0092	0	53,41	0,00036	T	PIEAVAQSV E	
1068,593	-0,0087	0	44,64	0,0025	T	PIEAVAQSV E	
1068,593	-0,0086	0	41,93	0,0047	T	PIEAVAQSV E	
1126,635	-0,0091	1	50,17	0,00074	Y	LSPGELDRI A	
1126,635	-0,0082	1	52,01	0,00044	Y	LSPGELDRI A	
1126,635	-0,0056	1	55,08	0,00024	Y	LSPGELDRI A	
1126,635	-0,0054	1	47,21	0,0015	Y	LSPGELDRI A	
1126,635	-0,002	1	37,36	0,013	Y	LSPGELDRI A	
1126,635	-0,0019	1	56,43	0,00016	Y	LSPGELDRI A	
1169,64	-0,0149	0	42,71	0,0028	G	TPIEAVAQS E	
1169,64	-0,0124	0	60,19	4.80E-05	G	TPIEAVAQS E	
1169,64	-0,0087	0	51,8	0,00034	G	TPIEAVAQS E	
1169,64	-0,0081	0	65,27	1.50E-05	G	TPIEAVAQS E	
1180,682	-0,0116	0	78,91	5.90E-07	T	PIEEIGLVG\ E	
1215,694	-0,0074	1	50,66	0,00031	R	LRIAETLTG\ E	
1215,694	-0,0067	1	40,49	0,0032	R	LRIAETLTG\ E	
1215,694	-0,0057	1	60,63	3.00E-05	R	LRIAETLTG\ E	
1226,662	-0,0106	0	58,56	0,00014	L	GTPIEAVAQ E	
1226,662	-0,0104	0	40,44	0,009	L	GTPIEAVAQ E	
1289,698	-0,0115	1	38,33	0,007	R	YLSPGELDF A	
1289,698	-0,0086	1	77,42	8.30E-07	R	YLSPGELDF A	

1289,698	-0,0086	1	77,4	8.30E-07	R	YLSPGELDF A
1289,698	-0,0083	1	55,01	0,00014	R	YLSPGELDF A
1289,698	-0,0067	1	42,27	0,0031	R	YLSPGELDF A
1289,698	-0,0062	1	77,44	9.40E-07	R	YLSPGELDF A
1289,698	-0,0053	1	77,22	8.90E-07	R	YLSPGELDF A
1289,698	-0,0048	1	55,07	0,00015	R	YLSPGELDF A
1289,698	-0,0046	1	63,26	2.30E-05	R	YLSPGELDF A
1289,698	-0,0039	1	49,36	0,00057	R	YLSPGELDF A
1289,698	-0,0034	1	69,24	5.80E-06	R	YLSPGELDF A
1289,698	-0,0031	1	51,39	0,00036	R	YLSPGELDF A
1289,698	-0,003	1	40,27	0,0046	R	YLSPGELDF A
1289,698	-0,003	1	63,93	2.00E-05	R	YLSPGELDF A
1289,698	-0,0026	1	88,01	7.70E-08	R	YLSPGELDF A
1289,698	-0,0025	1	38,59	0,0067	R	YLSPGELDF A
1289,698	-0,0024	1	71,79	3.10E-06	R	YLSPGELDF A
1289,698	-0,0015	1	77,31	8.10E-07	R	YLSPGELDF A
1289,698	-0,0011	1	72,59	2.40E-06	R	YLSPGELDF A
1289,698	-0,0008	1	61,31	3.20E-05	R	YLSPGELDF A
1332,725	-0,011	1	57,01	0,00019	A	ETLTGSRET Q
1332,725	-0,0076	1	43,26	0,0042	A	ETLTGSRET Q
1332,725	-0,0074	1	53,68	0,00038	A	ETLTGSRET Q
1332,725	-0,007	1	73,89	3.60E-06	A	ETLTGSRET Q
1332,725	-0,0058	1	53,95	0,00035	A	ETLTGSRET Q
1332,725	-0,0054	1	40,72	0,0073	A	ETLTGSRET Q
1332,725	-0,0053	1	44,89	0,0028	A	ETLTGSRET Q
1339,746	-0,0074	0	74,16	1.70E-06	S	LGTPIEAV. E
1403,762	-0,0087	1	42,57	0,0027	I	AETLTGSRE Q
1403,762	-0,0074	1	35,53	0,013	I	AETLTGSRE Q
1403,762	-0,0074	1	40,24	0,0044	I	AETLTGSRE Q
1426,778	-0,0129	0	72,27	6.20E-06	R	SLGTPIEAV. E
1426,778	-0,0107	0	40,01	0,0099	R	SLGTPIEAV. E
1426,778	-0,0101	0	70,04	1.00E-05	R	SLGTPIEAV. E
1426,778	-0,0086	0	47,83	0,0017	R	SLGTPIEAV. E
1426,778	-0,0077	0	52,46	0,00057	R	SLGTPIEAV. E
1426,778	-0,0072	0	95,69	2.70E-08	R	SLGTPIEAV. E
1426,778	-0,0059	0	86,19	2.40E-07	R	SLGTPIEAV. E
1426,778	-0,0046	0	74,66	3.40E-06	R	SLGTPIEAV. E
1426,778	-0,0038	0	85,74	2.70E-07	R	SLGTPIEAV. E
1426,778	-0,0032	0	62,19	5.70E-05	R	SLGTPIEAV. E
1426,778	-0,0031	0	98,32	1.40E-08	R	SLGTPIEAV. E
1426,778	-0,0028	0	65,59	2.60E-05	R	SLGTPIEAV. E
1426,778	-0,0026	0	75,81	2.50E-06	R	SLGTPIEAV. E
1426,778	-0,0024	0	73,53	4.20E-06	R	SLGTPIEAV. E
1426,778	-0,0019	0	58,88	0,00012	R	SLGTPIEAV. E
1426,778	-0,0019	0	86,74	2.00E-07	R	SLGTPIEAV. E
1426,778	-0,0019	0	86,59	2.10E-07	R	SLGTPIEAV. E
1426,778	-0,0016	0	76,7	2.00E-06	R	SLGTPIEAV. E
1426,778	-0,0002	0	40,69	0,008	R	SLGTPIEAV. E

1456,771	-0,0082	1	51,65	0,00079	T	PIEAVAQSV E	
1456,771	-0,0033	1	61,49	8.20E-05	T	PIEAVAQSV E	
1456,771	-0,0026	1	62,22	6.80E-05	T	PIEAVAQSV E	
1472,766	0,0051	1	55,27	0,00034	T	PIEAVAQSV E	Oxidation (I
1516,836	-0,0129	2	40,79	0,0039	E	ARYLSPGEI A	
1516,846	-0,0119	1	57,46	0,00013	R	IAETLTGSRI Q	
1516,846	-0,0119	1	49,47	0,0008	R	IAETLTGSRI Q	
1516,846	-0,0108	1	69,66	7.40E-06	R	IAETLTGSRI Q	
1516,846	-0,0092	1	57,04	0,00013	R	IAETLTGSRI Q	
1516,846	-0,009	1	50,06	0,00063	R	IAETLTGSRI Q	
1516,846	-0,0083	1	61,44	4.50E-05	R	IAETLTGSRI Q	
1516,846	-0,0074	1	86,72	1.40E-07	R	IAETLTGSRI Q	
1516,846	-0,007	1	70,08	6.40E-06	R	IAETLTGSRI Q	
1516,846	-0,0061	1	51,49	0,00044	R	IAETLTGSRI Q	
1557,819	-0,0023	1	70,97	4.70E-06	G	TPIEAVAQS E	
1614,84	-0,0015	1	52,84	0,0006	L	GTPIEAVAQ E	
1614,84	-0,0002	1	55,19	0,00034	L	GTPIEAVAQ E	
1614,84	0,0004	1	85,09	3.50E-07	L	GTPIEAVAQ E	
1614,84	0,0007	1	103,13	5.50E-09	L	GTPIEAVAQ E	
1614,84	0,0011	1	46,17	0,0028	L	GTPIEAVAQ E	
1614,84	0,0022	1	67,82	1.90E-05	L	GTPIEAVAQ E	
1630,835	0,0017	1	50,7	0,001	L	GTPIEAVAQ E	Oxidation (I
1630,835	0,0064	1	92,37	6.90E-08	L	GTPIEAVAQ E	Oxidation (I
1716,916	-0,012	2	49,96	0,0011	D	AEARYLSPC A	
1786,031	-0,0153	2	100,47	3.90E-09	R	LRIAETLTGQ	
1786,031	-0,005	2	52,11	0,00019	R	LRIAETLTGQ	
1786,031	-0,0049	2	50,14	0,0003	R	LRIAETLTGQ	
1814,956	-0,0123	1	66,8	1.20E-05	R	SLGTPIEAV. E	
1814,956	-0,0024	1	39,04	0,013	R	SLGTPIEAV. E	
1814,956	-0,002	1	58,35	0,00015	R	SLGTPIEAV. E	
1814,956	-0,0017	1	39,26	0,012	R	SLGTPIEAV. E	
1814,956	-0,0015	1	45,62	0,0028	R	SLGTPIEAV. E	
1830,951	-0,0079	1	45,55	0,0031	R	SLGTPIEAV. E	Oxidation (I
1830,951	-0,0053	1	40,05	0,011	R	SLGTPIEAV. E	Oxidation (I
1831,943	-0,0158	2	56,3	0,00015	A	DAEARYLSF A	
1831,943	-0,013	2	45,72	0,0017	A	DAEARYLSF A	
1862,847	-0,0107	0	59,81	4.00E-05	K	RPDIVSPGCT	
1862,847	-0,0034	0	75,53	1.30E-06	K	RPDIVSPGCT	
1878,842	-0,0131	0	34,99	0,0089	K	RPDIVSPGCT	Oxidation (I
1902,98	-0,0144	2	42,31	0,0063	N	ADAEARYLS A	
1902,98	-0,0128	2	63,2	5.10E-05	N	ADAEARYLS A	
1902,98	-0,0127	2	82,7	5.70E-07	N	ADAEARYLS A	
1902,98	-0,0118	2	39,32	0,012	N	ADAEARYLS A	
1902,98	-0,0056	2	86,22	2.50E-07	N	ADAEARYLS A	
2017,023	-0,0145	2	100,86	9.50E-09	V	NADAEARY A	
2017,023	-0,0126	2	74,31	4.30E-06	V	NADAEARY A	
2017,023	-0,0094	2	81,9	7.60E-07	V	NADAEARY A	
2017,023	-0,0084	2	92,95	6.10E-08	V	NADAEARY A	

2017,023	-0,0083	2	109,88	1.20E-09	V	NADAEARY A	
2017,023	-0,0078	2	134,49	4.20E-12	V	NADAEARY A	
2116,091	-0,014	2	63,07	5.00E-05	I	VNADAEAR A	
2116,091	-0,0122	2	77,88	1.70E-06	I	VNADAEAR A	
2116,091	-0,0111	2	131,4	7.60E-12	I	VNADAEAR A	
2116,091	-0,0104	2	114,12	4.00E-10	I	VNADAEAR A	
2116,091	-0,0101	2	54,88	0,00033	I	VNADAEAR A	
2116,091	-0,0098	2	91,33	7.60E-08	I	VNADAEAR A	
2116,091	-0,0087	2	149,03	1.30E-13	I	VNADAEAR A	
2116,091	-0,0065	2	127,72	1.80E-11	I	VNADAEAR A	
2116,091	-0,0025	2	143,04	5.10E-13	I	VNADAEAR A	
2116,091	-0,0011	2	148,95	1.30E-13	I	VNADAEAR A	
2229,175	0,0067	2	94,79	1.70E-08	S	IVNADAEAF A	
2316,207	-0,0188	2	43,54	0,0027	K	SIVNADAE# A	
2316,207	-0,0132	2	42,07	0,0037	K	SIVNADAE# A	
2316,207	-0,011	2	39,04	0,0072	K	SIVNADAE# A	
2316,207	-0,011	2	66,49	1.30E-05	K	SIVNADAE# A	
2316,207	-0,0109	2	37,77	0,0097	K	SIVNADAE# A	
2316,207	-0,0096	2	60,14	5.60E-05	K	SIVNADAE# A	
2316,207	-0,0094	2	110,36	5.40E-10	K	SIVNADAE# A	
2316,207	-0,008	2	50,06	0,00057	K	SIVNADAE# A	
2316,207	-0,0075	2	69,9	5.90E-06	K	SIVNADAE# A	
2316,207	-0,0069	2	102,16	3.50E-09	K	SIVNADAE# A	
2316,207	-0,0063	2	105,85	1.50E-09	K	SIVNADAE# A	
2316,207	-0,0061	2	73,19	2.70E-06	K	SIVNADAE# A	
2316,207	-0,0061	2	114,03	2.30E-10	K	SIVNADAE# A	
2316,207	-0,0057	2	118,5	8.10E-11	K	SIVNADAE# A	
2316,207	-0,0042	2	114,43	2.00E-10	K	SIVNADAE# A	
2316,207	-0,0013	2	44,55	0,0019	K	SIVNADAE# A	
2316,207	-0,0012	2	88,89	7.00E-08	K	SIVNADAE# A	
2316,207	0,0026	2	54,34	0,00019	K	SIVNADAE# A	
2371,3	-0,0152	0	37,77	0,013	R	LVTYGVVSC E	
2371,3	-0,0057	0	63,41	3.30E-05	R	LVTYGVVSC E	
2371,3	-0,0053	0	63,06	2.60E-05	R	LVTYGVVSC E	
2371,3	-0,0033	0	62,56	2.80E-05	R	LVTYGVVSC E	
2393,11	-0,0089	0	66,37	6.80E-06	K	RPDIVSPGC D	
2409,105	-0,0209	0	57,31	4.00E-05	K	RPDIVSPGC D	Oxidation (I
2409,105	-0,014	0	73,61	1.00E-06	K	RPDIVSPGC D	Oxidation (I
2950,547	0,0052	1	42,49	0,0054	R	LVTYGVVSC S	
2966,542	-0,0122	1	53,18	0,00024	R	LVTYGVVSC S	Oxidation (I
1003,534	-0,0024	0	36,8	0,011	K	IASTWEGIK A	
1005,55	-0,0112	0	70,33	4.40E-06	K	LAEGIAGFT A	
1014,582	-0,01	1	52,38	0,00048	E	NASIKDIVR L	
1014,582	-0,006	1	48,82	0,00092	E	NASIKDIVR L	
1037,551	-0,015	0	34,4	0,012	V	LEHLLEER L	
1037,551	-0,0129	0	52,61	0,00016	V	LEHLLEER L	
1037,551	-0,0123	0	58,38	4.30E-05	V	LEHLLEER L	
1037,551	-0,0113	0	34,46	0,012	K	VLDGQEHII H	

1087,639	-0,0152	0	39,58	0,0032	K	VTLISPFVGI I	
1136,619	-0,0113	0	65,59	2.20E-05	E	VLEHLLEER L	
1136,619	-0,0111	0	55,24	0,00024	E	VLEHLLEER L	
1136,619	-0,0081	0	46,64	0,0017	E	VLEHLLEER L	
1143,625	-0,0078	1	47,38	0,0011	G	ENASIKDIVI L	
1165,646	-0,0127	1	36,96	0,0062	L	EHLLEERLK V	
1165,646	-0,0126	1	48,9	0,00039	L	EHLLEERLK V	
1182,64	-0,0087	1	48,41	0,0012	K	ARYLIGEYA A	
1182,64	-0,0051	1	48,11	0,0014	K	ARYLIGEYA A	
1182,64	-0,0041	1	43,02	0,0042	K	ARYLIGEYA A	
1185,61	-0,0098	1	39,74	0,0054	I	PGRVSTEV I L	
1200,646	-0,0126	1	54,94	0,0004	A	GENASIKDI L	
1200,646	-0,0057	1	85,34	3.60E-07	A	GENASIKDI L	
1200,646	-0,0055	1	46,48	0,0028	A	GENASIKDI L	
1200,646	-0,0048	1	69,32	1.40E-05	A	GENASIKDI L	
1210,608	-0,0126	0	56,6	0,00021	R	LSYDTEATI/ A	
1210,608	-0,0093	0	62,77	4.90E-05	R	LSYDTEATI/ A	
1210,608	-0,009	0	47,37	0,0017	R	LSYDTEATI/ A	
1210,608	-0,0079	0	49,19	0,0012	R	LSYDTEATI/ A	
1210,608	-0,0069	0	48,69	0,0013	R	LSYDTEATI/ A	
1210,608	-0,0055	0	44,41	0,0035	R	LSYDTEATI/ A	
1210,608	-0,0046	0	48,29	0,0014	R	LSYDTEATI/ A	
1210,608	-0,004	0	59,52	0,00011	R	LSYDTEATI/ A	
1220,619	-0,0066	1	39,86	0,012	V	TTIYNYKR F	
1235,703	-0,0082	1	53,35	0,00012	A	FDRLAVAF( I	
1235,703	-0,0074	1	49,62	0,00024	A	FDRLAVAF( I	
1237,63	-0,0095	1	75,37	1.20E-06	S	YDTEATIAK/ Y	
1237,63	-0,0055	1	81,06	3.20E-07	S	YDTEATIAK/ Y	
1244,517	-0,0068	0	52,89	5.10E-05	K	MHAEDPM/ L	
1244,517	-0,0049	0	61,36	7.40E-06	K	MHAEDPM/ L	
1244,517	-0,0035	0	58,67	1.50E-05	K	MHAEDPM/ L	
1260,511	-0,0096	0	43,49	0,0003	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0092	0	41	0,00051	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0087	0	47,47	0,00012	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0087	0	44,86	0,00021	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0083	0	55,15	2.00E-05	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0081	0	28,77	0,0089	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,008	0	49,41	7.70E-05	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0079	0	34,51	0,0024	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0078	0	31,8	0,0045	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0078	0	41,81	0,00045	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0077	0	46,8	0,00014	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0075	0	54,23	2.90E-05	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0073	0	35,19	0,0023	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0072	0	44,01	0,0003	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0069	0	29,98	0,0076	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0068	0	37,98	0,0012	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0063	0	45,22	0,00023	K	MHAEDPM/ L	Oxidation (I

1260,511	-0,0043	0	42,16	0,0005	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,0038	0	28,56	0,012	K	MHAEDPM/ L	Oxidation (I
1260,511	-0,003	0	56,56	1.90E-05	K	MHAEDPM/ L	Oxidation (I
1265,662	-0,0132	0	59,22	5.30E-05	L	EVLEHLLEE L	
1265,662	-0,0126	0	44,51	0,0015	L	EVLEHLLEE L	
1265,662	-0,01	0	35,23	0,014	L	EVLEHLLEE L	
1265,662	-0,0073	0	88,72	5.80E-08	L	EVLEHLLEE L	
1265,662	-0,0058	0	88,65	5.40E-08	L	EVLEHLLEE L	
1271,683	-0,0071	1	46,05	0,0015	E	AGENASIKI L	
1271,683	-0,0065	1	50,06	0,00061	E	AGENASIKI L	
1271,683	-0,0058	1	78,8	7.50E-07	E	AGENASIKI L	
1271,683	-0,0027	1	56,89	0,00013	E	AGENASIKI L	
1276,506	-0,0133	0	28,9	0,0046	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0109	0	29,28	0,005	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0103	0	28,24	0,0065	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0091	0	27,46	0,0075	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0089	0	72,8	2.20E-07	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0089	0	46,21	0,0001	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0087	0	44,21	0,00016	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0086	0	39,97	0,00043	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0085	0	33,32	0,002	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0077	0	33,38	0,002	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0076	0	37,84	0,00073	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0072	0	29,47	0,0055	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0068	0	34,46	0,0018	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0067	0	28,26	0,0074	K	MHAEDPM/ L	2 Oxidation
1276,506	-0,0048	0	26,77	0,011	K	MHAEDPM/ L	2 Oxidation
1278,73	-0,0075	1	55,94	0,00011	V	LEHLLEERL V	
1278,73	-0,0051	1	51,79	0,00025	V	LEHLLEERL V	
1314,685	-0,0058	1	70,07	1.20E-05	V	PQDIEKIVMA	
1314,685	-0,0056	1	53,3	0,00057	V	PQDIEKIVMA	
1324,662	-0,0114	1	57,63	0,00018	L	SYDTEATIAI Y	
1324,662	-0,0098	1	67,66	1.80E-05	L	SYDTEATIAI Y	
1377,798	-0,0069	1	33,65	0,006	E	VLEHLLEER V	
1377,798	-0,0061	1	33,83	0,0057	E	VLEHLLEER V	
1377,798	-0,0046	1	58,1	2.20E-05	E	VLEHLLEER V	
1378,746	-0,006	0	86,48	1.90E-07	A	LEVLEHLLE L	
1378,746	-0,0032	0	86,17	2.00E-07	A	LEVLEHLLE L	
1400,726	-0,0125	1	47,85	0,002	D	EAGENASI K L	
1406,719	-0,0045	1	58,53	0,00015	Q	SVTTIYNYI F	
1419,824	-0,0056	1	36,27	0,0039	R	LAFDRLAV/ I	
1419,824	-0,0028	1	88,76	1.90E-08	R	LAFDRLAV/ I	
1419,824	0	1	80,99	1.10E-07	R	LAFDRLAV/ I	
1449,783	-0,0101	0	77,91	6.60E-07	K	ALEVLEHLL L	
1449,783	-0,0081	0	85,9	1.00E-07	K	ALEVLEHLL L	
1449,783	-0,0074	0	98,57	5.50E-09	K	ALEVLEHLL L	
1449,783	-0,004	0	81,72	2.60E-07	K	ALEVLEHLL L	
1449,783	-0,0037	0	95,65	1.00E-08	K	ALEVLEHLL L	

1449,783	-0,0033	0	37,56	0,0061	K	ALEVLEHLL L
1449,783	-0,003	0	88,92	4.60E-08	K	ALEVLEHLL L
1449,783	-0,0015	0	89,49	4.10E-08	K	ALEVLEHLL L
1452,782	-0,0104	1	59,65	9.50E-05	R	KLDPATVPC I
1452,782	-0,009	1	93,6	3.70E-08	R	KLDPATVPC I
1452,782	-0,0081	1	49,61	0,00092	R	KLDPATVPC I
1452,782	-0,0078	1	79,4	9.70E-07	R	KLDPATVPC I
1452,782	-0,0071	1	41,43	0,006	R	KLDPATVPC I
1452,782	-0,0065	1	39,33	0,0099	R	KLDPATVPC I
1452,782	-0,0058	1	48,98	0,0011	R	KLDPATVPC I
1452,782	-0,0053	1	50,58	0,00072	R	KLDPATVPC I
1452,782	-0,0052	1	84,55	2.90E-07	R	KLDPATVPC I
1452,782	-0,0035	1	61,55	5.80E-05	R	KLDPATVPC I
1452,782	-0,0024	1	99,42	9.40E-09	R	KLDPATVPC I
1452,782	-0,0005	1	80,13	7.70E-07	R	KLDPATVPC I
1491,718	-0,0029	1	44,99	0,0015	R	FGYKTEVM(N
1491,718	-0,0017	1	49,66	0,00052	R	FGYKTEVM(N
1506,841	-0,0198	1	39,19	0,0088	L	EVLEHLLEE V
1506,841	-0,0037	1	44,51	0,0018	L	EVLEHLLEE V
1506,841	-0,0033	1	75,45	1.40E-06	L	EVLEHLLEE V
1515,753	-0,0212	1	43,41	0,0022	K	DEAGENAS L
1515,753	-0,0109	1	73,34	2.50E-06	K	DEAGENAS L
1515,753	-0,0108	1	84,08	2.10E-07	K	DEAGENAS L
1515,753	-0,0094	1	60,82	4.30E-05	K	DEAGENAS L
1515,753	-0,0088	1	109,14	6.40E-10	K	DEAGENAS L
1515,753	-0,0034	1	50,81	0,00049	K	DEAGENAS L
1515,753	-0,0032	1	104,48	2.10E-09	K	DEAGENAS L
1532,809	-0,0024	0	80,62	1.00E-06	M	PQYQEIVD\$ A
1534,778	0,0013	1	65,37	3.30E-05	V	QSVTTIYNY F
1619,925	-0,0198	1	73,53	1.20E-06	A	LEVLEHLLE V
1619,925	-0,0039	1	82,45	1.00E-07	A	LEVLEHLLE V
1631,82	-0,0039	0	37,54	0,0099	D	PGVQSVTTI R
1631,82	0,002	0	56,34	0,00014	D	PGVQSVTTI R
1663,849	-0,0058	0	70,81	4.70E-06	Q	MPQYQEIVIA
1682,891	-0,0017	1	75,47	2.70E-06	D	PATVPQDIE A
1682,891	0,0003	1	51,2	0,00071	D	PATVPQDIE A
1690,962	-0,0244	1	34,54	0,01	K	ALEVLEHLL V
1690,962	-0,0241	1	34,8	0,0096	K	ALEVLEHLL V
1690,962	-0,0231	1	49,6	0,00032	K	ALEVLEHLL V
1690,962	-0,0227	1	76,35	6.80E-07	K	ALEVLEHLL V
1690,962	-0,0207	1	80,15	2.60E-07	K	ALEVLEHLL V
1690,962	-0,02	1	33,5	0,012	K	ALEVLEHLL V
1690,962	-0,004	1	66,96	7.10E-06	K	ALEVLEHLL V
1690,962	-0,0023	1	96,95	6.90E-09	K	ALEVLEHLL V
1690,962	-0,0021	1	98,93	4.20E-09	K	ALEVLEHLL V
1714,885	-0,0143	2	95,75	1.60E-08	K	AKDEAGEN L
1714,885	-0,0132	2	98,86	7.80E-09	K	AKDEAGEN L
1714,885	-0,0123	2	78,48	8.20E-07	K	AKDEAGEN L

1714,885	-0,0123	2	88,39	8.40E-08	K	AKDEAGEN L	
1714,885	-0,011	2	113,75	2.50E-10	K	AKDEAGEN L	
1714,885	-0,0108	2	50,63	0,00052	K	AKDEAGEN L	
1714,885	-0,0095	2	68,6	8.60E-06	K	AKDEAGEN L	
1714,885	-0,009	2	63,81	5.00E-05	K	AKDEAGEN L	
1714,885	-0,0066	2	81,66	8.20E-07	K	AKDEAGEN L	
1714,885	-0,0054	2	59,67	0,00013	K	AKDEAGEN L	
1766,005	-0,0127	1	55,86	7.10E-05	K	ILQIIPGRVS L	
1766,005	0,0002	1	57,8	4.00E-05	K	ILQIIPGRVS L	
1787,921	-0,0178	1	41,83	0,0039	D	PGVQSVTTI F	
1797,918	0,0037	1	65,73	1.60E-05	L	DPATVPQD A	
1797,918	0,0041	1	48,97	0,00073	L	DPATVPQD A	
1903,104	-0,0251	2	40,87	0,0043	K	DIVRLAFDR I	
2039,097	-0,0215	2	50,65	0,00042	R	KLDPATVPC A	
2039,097	-0,0113	2	83,14	2.30E-07	R	KLDPATVPC A	
2039,097	-0,0101	2	93,79	2.00E-08	R	KLDPATVPC A	
2055,092	-0,0156	2	61,91	3.80E-05	R	KLDPATVPC A	Oxidation (I
2055,092	-0,0116	2	37,74	0,0097	R	KLDPATVPC A	Oxidation (I
2055,092	-0,0115	2	60,45	5.20E-05	R	KLDPATVPC A	Oxidation (I
2232,055	-0,0077	1	36,44	0,0087	K	MHAEDPM/ A	
2232,055	-0,0072	1	45	0,0012	K	MHAEDPM/ A	
2232,055	-0,0063	1	107,64	6.70E-10	K	MHAEDPM/ A	
2232,055	-0,0059	1	101,16	2.90E-09	K	MHAEDPM/ A	
2232,055	-0,0025	1	86,32	9.40E-08	K	MHAEDPM/ A	
2232,055	-0,0018	1	122,79	2.10E-11	K	MHAEDPM/ A	
2248,05	-0,0136	1	50,29	0,00057	K	MHAEDPM/ A	Oxidation (I
2262,034	-0,0087	0	69,97	2.30E-06	K	HGAEEIFH/ E	
2335,202	-0,0092	2	51,55	0,00082	R	NTEGDLPRI I	
2335,202	-0,0062	2	75,24	3.50E-06	R	NTEGDLPRI I	
2335,202	-0,0042	2	49,51	0,0013	R	NTEGDLPRI I	
2507,113	-0,0091	0	53,91	7.50E-05	K	EYDSHEDP R	
2507,113	-0,0076	0	52,55	7.20E-05	K	EYDSHEDP R	
2507,113	-0,0052	0	84,65	4.50E-08	K	EYDSHEDP R	
2507,113	-0,0051	0	61,93	8.50E-06	K	EYDSHEDP R	
2663,214	-0,0019	1	123,59	1.00E-11	K	EYDSHEDP F	
2663,214	-0,0016	1	60,22	2.20E-05	K	EYDSHEDP F	
2663,214	-0,0007	1	70,2	2.20E-06	K	EYDSHEDP F	
2663,214	0,0015	1	126,26	5.60E-12	K	EYDSHEDP F	
2663,214	0,0032	1	50,12	0,00023	K	EYDSHEDP F	
2880,309	-0,0091	1	63,38	9.10E-06	K	STGKEYDSI R	
2880,309	-0,0082	1	73,98	8.10E-07	K	STGKEYDSI R	
2880,309	-0,0049	1	140,56	1.90E-13	K	STGKEYDSI R	
3034,517	-0,0236	0	39	0,013	R	DSTTNPSLI' A	
3036,41	0,0043	2	43,5	0,0013	K	STGKEYDSI F	
915,4661	-0,0099	0	44,46	0,0017	V	LQEELER M	
1014,535	-0,0081	0	40,15	0,01	K	VLQEELER M	
1014,535	-0,0078	0	53,01	0,00056	K	VLQEELER M	
1014,535	-0,007	0	63,5	4.80E-05	K	VLQEELER M	



1014,535	-0,0062	0	57,03	0,00022	K	VLQEELER	M	
1071,575	-0,0138	1	43,58	0,0025	E	LERMEIPG	S	
1086,465	-0,0113	0	34,74	0,0056	A	YAESTETMF	S	
1102,46	-0,0078	0	35,33	0,0036	A	YAESTETMF	S	Oxidation (I
1119,592	-0,0107	1	41,93	0,0035	I	KELQEAFAQ	A	
1119,592	-0,009	1	38,26	0,0085	I	KELQEAFAQ	A	
1119,592	-0,0055	1	44,6	0,002	I	KELQEAFAQ	A	
1200,617	-0,0102	1	44,21	0,0042	E	ELERMEIPC	S	
1200,617	-0,0101	1	49	0,0014	E	ELERMEIPC	S	
1221,591	-0,0042	0	79,81	4.80E-07	A	EGLSASVTE	A	
1228,539	-0,0105	0	96,71	5.60E-09	K	AAYAESTET	S	
1228,539	-0,0066	0	58,01	4.30E-05	K	AAYAESTET	S	
1228,539	-0,0053	0	34,09	0,011	K	AAYAESTET	S	
1228,539	-0,0044	0	78,99	3.70E-07	K	AAYAESTET	S	
1232,677	-0,0126	1	44,22	0,0033	K	IKELQEAFAQ	A	
1232,677	-0,0124	1	48,79	0,0012	K	IKELQEAFAQ	A	
1232,677	-0,0108	1	42,12	0,0054	K	IKELQEAFAQ	A	
1232,677	-0,0107	1	50,96	0,0007	K	IKELQEAFAQ	A	
1232,677	-0,0106	1	63,54	3.80E-05	K	IKELQEAFAQ	A	
1232,677	-0,0104	1	57,42	0,00015	K	IKELQEAFAQ	A	
1232,677	-0,01	1	52,7	0,00045	K	IKELQEAFAQ	A	
1232,677	-0,0099	1	53,24	0,0004	K	IKELQEAFAQ	A	
1232,677	-0,0094	1	44,05	0,0033	K	IKELQEAFAQ	A	
1232,677	-0,0063	1	49,86	0,00083	K	IKELQEAFAQ	A	
1232,677	-0,0058	1	49,65	0,00087	K	IKELQEAFAQ	A	
1232,677	-0,0058	1	58,52	0,00011	K	IKELQEAFAQ	A	
1232,677	-0,0057	1	55,55	0,00022	K	IKELQEAFAQ	A	
1232,677	-0,0053	1	44,05	0,0032	K	IKELQEAFAQ	A	
1232,677	-0,0052	1	41,97	0,0051	K	IKELQEAFAQ	A	
1232,677	-0,0046	1	40,06	0,008	K	IKELQEAFAQ	A	
1232,677	-0,0043	1	50,61	0,00071	K	IKELQEAFAQ	A	
1232,677	-0,0038	1	49,03	0,001	K	IKELQEAFAQ	A	
1232,677	-0,0032	1	57,33	0,00015	K	IKELQEAFAQ	A	
1232,677	-0,0028	1	39,4	0,0092	K	IKELQEAFAQ	A	
1244,534	-0,0095	0	55,6	4.30E-05	K	AAYAESTET	S	Oxidation (I
1244,534	-0,0089	0	39,43	0,0018	K	AAYAESTET	S	Oxidation (I
1244,534	-0,0072	0	59,26	2.10E-05	K	AAYAESTET	S	Oxidation (I
1244,534	-0,0051	0	36,54	0,0042	K	AAYAESTET	S	Oxidation (I
1301,592	-0,0085	1	59,05	2.20E-05	A	YAESTETMF	M	
1317,587	-0,0069	1	45,77	0,00048	A	YAESTETMF	M	Oxidation (I
1317,587	-0,0019	1	32,87	0,01	A	YAESTETMF	M	Oxidation (I
1317,587	-0,0018	1	57,31	3.80E-05	A	YAESTETMF	M	Oxidation (I
1329,66	-0,0098	1	39,21	0,0056	Q	EELERMEIP	S	
1329,66	-0,0096	1	43,71	0,002	Q	EELERMEIP	S	
1329,66	-0,0081	1	38,15	0,0074	Q	EELERMEIP	S	
1329,66	-0,0075	1	38,45	0,0071	Q	EELERMEIP	S	
1329,66	-0,0055	1	51,55	0,00035	Q	EELERMEIP	S	
1329,66	-0,0035	1	48,17	0,00072	Q	EELERMEIP	S	

1329,66	-0,0035	1	36,48	0,011	Q	EELERMEIP S	
1349,65	-0,0091	0	38,06	0,0069	K	GAEGLSAS' A	
1349,65	-0,0083	0	71,2	3.60E-06	K	GAEGLSAS' A	
1349,65	-0,0079	0	74,09	1.80E-06	K	GAEGLSAS' A	
1349,65	-0,0066	0	78,3	6.90E-07	K	GAEGLSAS' A	
1349,65	-0,0063	0	59,43	5.30E-05	K	GAEGLSAS' A	
1349,65	-0,0055	0	81,66	3.20E-07	K	GAEGLSAS' A	
1349,65	-0,0052	0	94,16	1.80E-08	K	GAEGLSAS' A	
1349,65	-0,0047	0	55,35	0,00014	K	GAEGLSAS' A	
1349,65	-0,0047	0	61,24	3.70E-05	K	GAEGLSAS' A	
1349,65	-0,0043	0	78,52	6.90E-07	K	GAEGLSAS' A	
1349,65	-0,004	0	72,28	2.80E-06	K	GAEGLSAS' A	
1349,65	-0,0025	0	64,43	1.70E-05	K	GAEGLSAS' A	
1349,65	-0,0016	0	67,36	9.00E-06	K	GAEGLSAS' A	
1349,65	-0,0011	0	75,88	1.30E-06	K	GAEGLSAS' A	
1349,65	-0,001	0	74,23	1.90E-06	K	GAEGLSAS' A	
1349,65	-0,0007	0	44,74	0,0017	K	GAEGLSAS' A	
1349,65	-0,0005	0	108,6	6.80E-10	K	GAEGLSAS' A	
1349,65	-0,0001	0	104,77	1.60E-09	K	GAEGLSAS' A	
1365,645	-0,0153	0	75,97	9.10E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0119	0	58,07	6.10E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0117	0	71,39	2.70E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0112	0	106,07	9.30E-10	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0108	0	53,58	0,00017	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0102	0	71,24	2.80E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,01	0	52,87	0,00019	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0098	0	54,39	0,00013	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0096	0	41,9	0,0024	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0091	0	52,08	0,00023	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0091	0	116,66	8.00E-11	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0087	0	59,2	4.40E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0087	0	36,15	0,009	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0081	0	52,3	0,00023	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0081	0	49,68	0,00042	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,008	0	54,88	0,00012	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0078	0	55,86	0,0001	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0075	0	64,59	1.30E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0072	0	76,73	8.20E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0071	0	70,84	3.20E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,007	0	81,55	2.70E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0069	0	56,26	9.10E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0067	0	68,01	6.10E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0066	0	73,04	1.90E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0062	0	73,04	1.90E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,006	0	59,98	3.90E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0059	0	59,02	4.80E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0059	0	46,04	0,00095	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0059	0	79,18	4.60E-07	K	GAEGLSAS' A	Oxidation (I

1365,645	-0,0059	0	84,86	1.30E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0058	0	55,28	0,00011	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0058	0	72,93	2.00E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0058	0	97,75	6.40E-09	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0058	0	92,64	2.10E-08	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0056	0	61,67	2.60E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0056	0	55,62	0,00011	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0056	0	80,11	3.70E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0056	0	53,25	0,00018	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0055	0	59,34	4.50E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0055	0	62,03	2.40E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0052	0	35,18	0,012	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0052	0	94,52	1.40E-08	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0051	0	41,51	0,0031	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,005	0	68,77	5.80E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0049	0	83,36	2.00E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0048	0	39,73	0,0047	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0045	0	45,16	0,0013	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0043	0	85,12	1.30E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,004	0	52,23	0,00026	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0036	0	51,55	0,00029	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0033	0	44,07	0,0016	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0031	0	40,97	0,0033	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0029	0	36,2	0,0099	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0029	0	34,75	0,014	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0017	0	80,22	4.00E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0016	0	45,34	0,0012	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0014	0	63,74	1.80E-05	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0013	0	69,62	4.80E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0011	0	76,68	9.50E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,001	0	72,49	2.50E-06	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,001	0	101,4	3.20E-09	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0009	0	85,69	1.20E-07	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0009	0	45,75	0,0012	K	GAEGLSAS' A	Oxidation (I
1365,645	-0,0009	0	39,06	0,0055	K	GAEGLSAS' A	Oxidation (I
1365,645	0,001	0	67,19	7.90E-06	K	GAEGLSAS' A	Oxidation (I
1372,629	-0,0044	1	54,9	0,00016	A	AYAESTETM M	
1388,624	-0,0011	1	38,61	0,0062	A	AYAESTETM M	Oxidation (I
1390,647	-0,0089	0	48,46	0,00086	K	MEELTSGLI -	
1410,761	-0,0052	0	50,47	0,00081	E	PLSIEIDPSA G	
1443,666	-0,0094	1	49,85	0,00027	K	AAYAESTET M	
1443,666	-0,0064	1	51,46	0,00018	K	AAYAESTET M	
1457,718	-0,0091	1	63,14	2.40E-05	L	QEELERME S	
1457,718	-0,009	1	71,8	3.30E-06	L	QEELERME S	
1457,718	-0,0087	1	53,15	0,00024	L	QEELERME S	
1457,718	-0,0081	1	55,74	0,00013	L	QEELERME S	
1457,718	-0,0068	1	46,94	0,00097	L	QEELERME S	
1457,718	-0,0062	1	69,83	5.00E-06	L	QEELERME S	

1457,718	-0,0045	1	73,13	2.40E-06	L	QEELERME S	
1457,718	-0,0041	1	50,05	0,00048	L	QEELERME S	
1457,718	-0,0038	1	56,01	0,00013	L	QEELERME S	
1457,718	-0,0033	1	49,91	0,00053	L	QEELERME S	
1457,718	-0,0029	1	67,63	8.90E-06	L	QEELERME S	
1457,718	-0,0023	1	41,6	0,0036	L	QEELERME S	
1459,661	-0,0118	1	45,65	0,00052	K	AAYAESTET M	Oxidation (I
1459,661	-0,0109	1	47,38	0,00035	K	AAYAESTET M	Oxidation (I
1459,661	-0,0091	1	44,45	0,00072	K	AAYAESTET M	Oxidation (I
1459,661	-0,007	1	60,8	1.70E-05	K	AAYAESTET M	Oxidation (I
1459,661	-0,007	1	72,24	1.20E-06	K	AAYAESTET M	Oxidation (I
1459,661	-0,0062	1	52,71	0,00011	K	AAYAESTET M	Oxidation (I
1459,661	-0,0048	1	47,64	0,00037	K	AAYAESTET M	Oxidation (I
1459,661	-0,0031	1	33,3	0,011	K	AAYAESTET M	Oxidation (I
1459,661	-0,0027	1	45,69	0,00064	K	AAYAESTET M	Oxidation (I
1459,661	-0,0027	1	65,69	6.40E-06	K	AAYAESTET M	Oxidation (I
1473,713	-0,0079	1	52,38	0,00025	L	QEELERME S	Oxidation (I
1473,713	-0,0067	1	38,54	0,0063	L	QEELERME S	Oxidation (I
1473,713	-0,0058	1	48,12	0,00067	L	QEELERME S	Oxidation (I
1473,713	-0,0046	1	47,67	0,00075	L	QEELERME S	Oxidation (I
1570,802	-0,0075	1	63,33	5.30E-05	V	LQEELERM S	
1570,802	-0,0052	1	53,31	0,00055	V	LQEELERM S	
1570,802	-0,0047	1	64,7	3.90E-05	V	LQEELERM S	
1570,802	-0,0022	1	60,1	0,00011	V	LQEELERM S	
1570,802	0,0007	1	88,41	1.70E-07	V	LQEELERM S	
1570,802	0,0028	1	67,36	2.10E-05	V	LQEELERM S	
1570,802	0,0029	1	62,39	6.70E-05	V	LQEELERM S	
1621,769	-0,0051	1	42,9	0,0022	R	SKMEELTSC -	Oxidation (I
1669,871	-0,0194	1	78,11	8.40E-07	K	VLQEELERM S	
1669,871	-0,007	1	37,32	0,01	K	VLQEELERM S	
1669,871	-0,004	1	39,34	0,0067	K	VLQEELERM S	
1669,871	-0,0029	1	77,25	1.00E-06	K	VLQEELERM S	
1669,871	-0,0017	1	66,11	1.40E-05	K	VLQEELERM S	
1669,871	-0,0016	1	40,65	0,005	K	VLQEELERM S	
1669,871	-0,0012	1	80,08	5.70E-07	K	VLQEELERM S	
1669,871	-0,0009	1	75,31	1.70E-06	K	VLQEELERM S	
1669,871	-0,0008	1	37,29	0,011	K	VLQEELERM S	
1669,871	-0,0007	1	83,49	2.60E-07	K	VLQEELERM S	
1669,871	-0,0006	1	70,27	5.40E-06	K	VLQEELERM S	
1669,871	-0,0002	1	84,62	2.00E-07	K	VLQEELERM S	
1669,871	-0,0001	1	51,85	0,00037	K	VLQEELERM S	
1669,871	0,0005	1	75,8	1.50E-06	K	VLQEELERM S	
1669,871	0,0011	1	52,83	0,00028	K	VLQEELERM S	
1669,871	0,0012	1	78,44	7.80E-07	K	VLQEELERM S	
1669,871	0,0027	1	57,79	9.40E-05	K	VLQEELERM S	
1669,871	0,0032	1	47,47	0,001	K	VLQEELERM S	
1669,871	0,0034	1	75,12	1.70E-06	K	VLQEELERM S	
1669,871	0,0061	1	74,43	2.10E-06	K	VLQEELERM S	

1669,871	0,0064	1	47,55	0,001 K	VLQEELERMS	
1669,871	0,0084	1	89,6	6.20E-08 K	VLQEELERMS	
1685,866	-0,0111	1	47,6	0,001 K	VLQEELERMS	Oxidation (I
1685,866	-0,0109	1	48,78	0,00076 K	VLQEELERMS	Oxidation (I
1685,866	-0,0095	1	66,62	1.20E-05 K	VLQEELERMS	Oxidation (I
1685,866	-0,0093	1	41,95	0,0036 K	VLQEELERMS	Oxidation (I
1685,866	-0,0083	1	41,33	0,0042 K	VLQEELERMS	Oxidation (I
1685,866	-0,0051	1	57,9	9.60E-05 K	VLQEELERMS	Oxidation (I
1685,866	-0,0034	1	67,77	1.00E-05 K	VLQEELERMS	Oxidation (I
1685,866	-0,0026	1	52,45	0,00034 K	VLQEELERMS	Oxidation (I
1685,866	-0,0012	1	56,84	0,00012 K	VLQEELERMS	Oxidation (I
1685,866	-0,001	1	52,84	0,00031 K	VLQEELERMS	Oxidation (I
2072,994	0,0071	0	42,48	0,0054 L	MSGNQEPL G	Oxidation (I
2912,469	-0,0373	0	51,48	0,00036 K	SADGLVTVI G	
2912,469	-0,0241	0	47,4	0,00099 K	SADGLVTVI G	
2912,469	-0,0148	0	39,34	0,0065 K	SADGLVTVI G	
875,4752	-0,0063	0	53,03	0,00019 K	LKPEFDK R	
927,4298	-0,009	0	63,99	8.20E-06 S	VDDVESHK G	
927,4298	-0,0085	0	52,64	0,00011 S	VDDVESHK G	
998,4821	-0,0091	0	38,28	0,0094 T	FTYPASTGR N	
1014,462	-0,0141	0	50,59	0,0003 L	SVDDVESH G	
1014,462	-0,0119	0	39,97	0,0035 L	SVDDVESH G	
1014,462	-0,0084	0	43,61	0,0017 L	SVDDVESH G	
1014,462	-0,0079	0	40,57	0,0036 L	SVDDVESH G	
1014,462	-0,0073	0	77,4	7.50E-07 L	SVDDVESH G	
1029,452	-0,0154	0	58,74	1.40E-05 T	PANWQDG C	
1029,452	-0,0138	0	37,69	0,0018 T	PANWQDG C	
1029,452	-0,0137	0	49,11	0,00013 T	PANWQDG C	
1046,576	-0,0068	0	45,73	0,0025 V	EEIKPYLR L	
1110,615	-0,0104	0	41,6	0,0047 H	PNALNNLT S	
1116,654	-0,0076	1	56,28	7.80E-05 R	SVFIIDPAK L	
1116,654	-0,0074	1	37,06	0,0066 R	SVFIIDPAK L	
1116,654	-0,0074	1	63,24	1.60E-05 R	SVFIIDPAK L	
1116,654	-0,004	1	40,64	0,0027 R	SVFIIDPAK L	
1127,546	-0,0132	0	55,21	8.50E-05 A	LSVDDVESI G	
1127,546	-0,0117	0	49,34	0,00034 A	LSVDDVESI G	
1127,546	-0,0094	0	82,15	1.80E-07 A	LSVDDVESI G	
1130,499	-0,0143	0	42,54	0,0014 A	TPANWQD C	
1130,499	-0,0126	0	52,2	0,00016 A	TPANWQD C	
1198,583	-0,0091	0	98,46	1.10E-08 I	ALSVDDVE G	
1198,583	-0,0083	0	76,63	1.60E-06 I	ALSVDDVE G	
1198,583	-0,007	0	62,39	4.30E-05 I	ALSVDDVE G	
1198,583	-0,0066	0	87,72	1.30E-07 I	ALSVDDVE G	
1198,583	-0,0065	0	61,19	6.00E-05 I	ALSVDDVE G	
1198,583	-0,0061	0	82,16	4.70E-07 I	ALSVDDVE G	
1198,583	-0,0039	0	89,62	8.70E-08 I	ALSVDDVE G	
1198,583	-0,0036	0	51,06	0,00062 I	ALSVDDVE G	
1198,583	0,0011	0	44,3	0,003 I	ALSVDDVE G	

1202,666	-0,0087	0	56,38	0,0002	K	GVEEIKPYL L
1202,666	-0,0068	0	49,93	0,00076	K	GVEEIKPYL L
1202,666	-0,0056	0	40,77	0,0065	K	GVEEIKPYL L
1202,666	-0,0055	0	40,91	0,0063	K	GVEEIKPYL L
1202,666	-0,0052	0	49,81	0,00081	K	GVEEIKPYL L
1212,614	-0,0075	0	44,47	0,0035	R	LTFTYPAST(N
1212,614	-0,0037	0	48,63	0,0014	R	LTFTYPAST(N
1247,673	-0,0094	0	36,33	0,011	I	HPNALNNL S
1311,667	-0,008	0	91,76	2.70E-08	V	IALSVDDV E G
1311,667	-0,0051	0	76,25	9.00E-07	V	IALSVDDV E G
1403,697	-0,0102	0	43,44	0,0022	K	CVVPSIST V
1403,697	-0,0093	0	39,93	0,0053	K	CVVPSIST V
1403,697	-0,0076	0	49,84	0,00056	K	CVVPSIST V
1403,697	-0,0039	0	39,97	0,0051	K	CVVPSIST V
1403,697	-0,0036	0	67,46	9.10E-06	K	CVVPSIST V
1403,697	-0,0032	0	51,93	0,00032	K	CVVPSIST V
1403,697	-0,0025	0	67,97	7.90E-06	K	CVVPSIST V
1403,697	-0,0022	0	67,02	1.00E-05	K	CVVPSIST V
1403,697	0,0005	0	65,15	1.60E-05	K	CVVPSIST V
1410,736	-0,0094	0	101,97	6.50E-09	K	VIALSVDDV G
1410,736	-0,0082	0	79,33	1.20E-06	K	VIALSVDDV G
1410,736	-0,007	0	111,61	7.00E-10	K	VIALSVDDV G
1410,736	-0,0067	0	111,58	7.00E-10	K	VIALSVDDV G
1410,736	-0,0064	0	115,35	2.90E-10	K	VIALSVDDV G
1410,736	-0,0063	0	39,7	0,011	K	VIALSVDDV G
1410,736	-0,0058	0	77,62	1.80E-06	K	VIALSVDDV G
1410,736	-0,0058	0	115,45	2.90E-10	K	VIALSVDDV G
1410,736	-0,0057	0	91,78	6.80E-08	K	VIALSVDDV G
1410,736	-0,0054	0	84,01	4.00E-07	K	VIALSVDDV G
1410,736	-0,005	0	88,95	1.30E-07	K	VIALSVDDV G
1410,736	-0,0036	0	41,79	0,0067	K	VIALSVDDV G
1410,736	-0,0032	0	66,83	2.10E-05	K	VIALSVDDV G
1410,736	-0,0024	0	70,57	8.90E-06	K	VIALSVDDV G
1410,736	-0,0017	0	111,97	6.50E-10	K	VIALSVDDV G
1453,841	-0,0137	1	35,31	0,0083	I	KPYLRLTPQ -
1548,82	-0,0043	0	40,06	0,01	Y	GMIHPNALI S
1548,82	-0,0043	0	50,74	0,00088	Y	GMIHPNALI S
1548,82	-0,0025	0	74,97	3.20E-06	Y	GMIHPNALI S
1711,883	-0,0017	0	41,74	0,0036	L	YGMIHPNA S
1711,883	-0,0012	0	60,59	4.70E-05	L	YGMIHPNA S
1711,883	-0,0011	0	60,89	4.40E-05	L	YGMIHPNA S
1728,786	-0,0086	0	69,47	4.70E-06	D	YHQVATPAI C
1728,786	-0,0048	0	42,36	0,0026	D	YHQVATPAI C
1824,967	0,0032	0	56,64	0,0002	D	LYGMIHPN, S
1825,01	-0,0004	1	49,61	0,00061	V	EEIKPYLRLI -
1843,813	-0,0058	0	83,59	7.30E-08	T	DYHQVATP. C
1939,994	-0,0017	0	39,94	0,0058	S	DLYGMIHPIS
1944,86	-0,0044	0	64,14	1.00E-05	L	TDYHQVATIC

1944,86	-0,0007	0	56,1	7.00E-05	L	TDYHQVATIC	
1981,1	-0,0116	1	50,06	0,00065	K	GVVEIKPYL -	
1981,1	-0,0113	1	36,83	0,014	K	GVVEIKPYL -	
1981,1	-0,0106	1	63,84	2.70E-05	K	GVVEIKPYL -	
1981,1	-0,0106	1	43,31	0,003	K	GVVEIKPYL -	
1981,1	-0,0091	1	61,21	4.80E-05	K	GVVEIKPYL -	
1981,1	-0,0065	1	48,31	0,00088	K	GVVEIKPYL -	
2027,026	0,0006	0	46,66	0,0024	V	SDLYGMIHS	
2100,064	-0,0171	1	65,21	1.80E-05	R	LTFTYPASTV	
2100,064	-0,0157	1	43,48	0,0026	R	LTFTYPASTV	
2106,012	0,0021	0	40,57	0,0041	D	IDETQNTTV K	
2126,094	-0,0163	0	82,51	3.30E-07	K	VSDLYGMIHS	
2126,094	-0,0158	0	88,2	8.90E-08	K	VSDLYGMIHS	
2126,094	-0,0043	0	63,64	2.50E-05	K	VSDLYGMIHS	
2126,094	-0,002	0	66,26	1.40E-05	K	VSDLYGMIHS	
2126,094	0,0052	0	58,82	7.80E-05	K	VSDLYGMIHS	
2142,089	-0,0143	0	42,29	0,0035	K	VSDLYGMIHS	Oxidation (I
2142,089	-0,0106	0	45,73	0,0016	K	VSDLYGMIHS	Oxidation (I
2142,089	-0,0106	0	81,16	4.60E-07	K	VSDLYGMIHS	Oxidation (I
2142,089	-0,0098	0	41,8	0,0041	K	VSDLYGMIHS	Oxidation (I
2186,003	-0,0039	0	57,82	4.20E-05	L	QLTDYHQVC	
2254,189	-0,0209	1	119,39	1.30E-10	K	KVSDLYGMS	
2254,189	-0,0192	1	76,4	2.60E-06	K	KVSDLYGMS	
2254,189	-0,0157	1	141,91	7.30E-13	K	KVSDLYGMS	
2254,189	-0,015	1	100,94	9.20E-09	K	KVSDLYGMS	
2254,189	-0,0149	1	61,26	8.50E-05	K	KVSDLYGMS	
2254,189	-0,012	1	94,98	3.50E-08	K	KVSDLYGMS	
2254,189	-0,0119	1	60,29	0,0001	K	KVSDLYGMS	
2254,189	-0,0114	1	110,91	8.90E-10	K	KVSDLYGMS	
2254,189	-0,0109	1	65,86	2.80E-05	K	KVSDLYGMS	
2254,189	-0,0104	1	114,96	3.40E-10	K	KVSDLYGMS	
2254,189	-0,0102	1	112,21	6.40E-10	K	KVSDLYGMS	
2254,189	-0,0101	1	94,79	3.50E-08	K	KVSDLYGMS	
2254,189	-0,0083	1	145,74	3.00E-13	K	KVSDLYGMS	
2254,189	-0,0072	1	47,85	0,00083	K	KVSDLYGMS	
2254,189	-0,0037	1	62,72	2.70E-05	K	KVSDLYGMS	
2254,189	-0,0016	1	40,28	0,0046	K	KVSDLYGMS	
2270,184	-0,0219	1	55,46	0,00017	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0167	1	51,26	0,00042	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0159	1	88	9.20E-08	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0141	1	49,24	0,0007	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0131	1	57,23	0,00011	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0127	1	43,47	0,0026	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0126	1	40,82	0,0048	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0118	1	38,38	0,0085	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0116	1	50,03	0,00058	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0106	1	85,53	1.60E-07	K	KVSDLYGMS	Oxidation (I
2270,184	-0,0102	1	58,32	8.50E-05	K	KVSDLYGMS	Oxidation (I

2270,184	-0,0098	1	119,21	6.90E-11	K	KVSDLYGM S	Oxidation (I
2501,146	-0,014	0	45,49	0,00097	I	DSLQLTDYI C	
2501,146	-0,012	0	40,75	0,003	I	DSLQLTDYI C	
2501,146	-0,0098	0	46,43	0,00085	I	DSLQLTDYI C	
2614,23	-0,0039	0	39,03	0,009	V	IDSLQLTDY C	
2713,298	-0,021	0	107,54	1.10E-09	R	VIDSLQLTD C	
2713,298	-0,0198	0	42,62	0,0042	R	VIDSLQLTD C	
2713,298	-0,0189	0	89,67	8.30E-08	R	VIDSLQLTD C	
2713,298	-0,018	0	63,4	3.60E-05	R	VIDSLQLTD C	
2713,298	-0,0161	0	53,08	0,00033	R	VIDSLQLTD C	
2713,298	-0,0155	0	115,87	1.80E-10	R	VIDSLQLTD C	
2713,298	-0,015	0	130,59	6.90E-12	R	VIDSLQLTD C	
2713,298	-0,0127	0	39,82	0,0082	R	VIDSLQLTD C	
2713,298	-0,0101	0	40,24	0,0077	R	VIDSLQLTD C	
2713,298	-0,0098	0	136,99	1.60E-12	R	VIDSLQLTD C	
2713,298	-0,0074	0	138,05	1.30E-12	R	VIDSLQLTD C	
2713,298	-0,007	0	103,38	3.80E-09	R	VIDSLQLTD C	
2713,298	-0,0051	0	93,89	3.40E-08	R	VIDSLQLTD C	
2713,298	-0,0045	0	153,56	3.70E-14	R	VIDSLQLTD C	
2713,298	-0,0038	0	118,53	1.20E-10	R	VIDSLQLTD C	
2713,298	-0,0037	0	62,72	4.50E-05	R	VIDSLQLTD C	
2713,298	-0,0019	0	128,12	1.30E-11	R	VIDSLQLTD C	
2713,298	0,0041	0	73,53	3.90E-06	R	VIDSLQLTD C	
2865,349	-0,0088	1	49,17	0,00038	K	GWICDIDE` V	
3600,749	0	1	45,5	0,0012	R	NFDEILRVII C	
3600,749	0,004	1	43,03	0,0023	R	NFDEILRVII C	
931,4512	-0,0096	0	42,69	0,0024	K	SLSDHFAR V	
931,4512	-0,0091	0	41,21	0,0034	K	SLSDHFAR V	
931,4512	-0,0073	0	41,91	0,0027	K	SLSDHFAR V	
1176,578	-0,0097	0	54,02	0,00039	F	GDHTYLSG` S	
1176,578	-0,0085	0	51,6	0,00069	F	GDHTYLSG` S	
1205,571	-0,0107	1	40,22	0,0035	Q	AMRQSEIDI` S	
1235,603	-0,0045	0	42	0,003	K	AENLAYLDI` Q	
1235,603	-0,0042	0	58,17	7.30E-05	K	AENLAYLDI` Q	
1235,603	-0,0037	0	41,86	0,0032	K	AENLAYLDI` Q	
1246,711	-0,0098	0	38,77	0,0074	S	PGMHIPLLI E	
1246,711	-0,0084	0	61,68	3.70E-05	S	PGMHIPLLI E	
1246,711	-0,008	0	61,44	3.90E-05	S	PGMHIPLLI E	
1259,636	-0,0067	0	55,49	0,00016	V	LDIGSNDG` H	
1259,636	-0,0033	0	81,12	4.60E-07	V	LDIGSNDG` H	
1262,706	-0,011	0	37,28	0,013	S	PGMHIPLLI E	Oxidation (I
1323,646	-0,007	0	72,64	2.40E-06	M	FGDHTYLS(` S	
1333,743	-0,0106	0	46,22	0,00093	V	SPGMHIPLI E	
1333,743	-0,0061	0	62,84	1.80E-05	V	SPGMHIPLI E	
1333,743	-0,0048	0	67,46	5.70E-06	V	SPGMHIPLI E	
1333,743	-0,0046	0	61,79	2.10E-05	V	SPGMHIPLI E	
1349,738	-0,0096	0	54,46	0,00014	V	SPGMHIPLI E	Oxidation (I
1349,738	-0,0094	0	47,25	0,00075	V	SPGMHIPLI E	Oxidation (I



1379,683	-0,0081	1	36,69	0,011 E	VDERFFAN' S	
1432,811	-0,0038	0	70,8	3.70E-06 L	VSPGMHIPI E	
1445,736	-0,0124	0	83,36	2.50E-07 K	SVLDIGSN[ H	
1445,736	-0,0119	0	98,89	6.90E-09 K	SVLDIGSN[ H	
1445,736	-0,0075	0	78,11	8.00E-07 K	SVLDIGSN[ H	
1445,736	-0,0065	0	48,48	0,00069 K	SVLDIGSN[ H	
1445,736	-0,0062	0	78,9	7.00E-07 K	SVLDIGSN[ H	
1445,736	-0,0058	0	95,29	1.50E-08 K	SVLDIGSN[ H	
1445,736	-0,0055	0	85,16	1.60E-07 K	SVLDIGSN[ H	
1445,736	-0,0042	0	77,07	1.00E-06 K	SVLDIGSN[ H	
1445,736	-0,0018	0	79,68	6.00E-07 K	SVLDIGSN[ H	
1445,736	-0,0016	0	64,99	1.80E-05 K	SVLDIGSN[ H	
1445,736	0,0008	0	60,86	4.30E-05 K	SVLDIGSN[ H	
1445,736	0,001	0	73,38	2.50E-06 K	SVLDIGSN[ H	
1448,806	0,0014	0	57,27	9.40E-05 L	VSPGMHIPI E	Oxidation (I
1454,686	-0,0034	0	45,29	0,0021 I	MFGDHTYL S	
1595,787	-0,0069	1	80,68	4.10E-07 E	TMKAENLA' Q	
1595,787	-0,0038	1	55,2	0,00015 E	TMKAENLA' Q	
1595,787	-0,0004	1	52,47	0,00028 E	TMKAENLA' Q	
1602,917	-0,0034	0	99,65	3.60E-09 R	GLVSPGMF E	
1602,917	-0,0015	0	94,84	1.10E-08 R	GLVSPGMF E	
1602,917	-0,0002	0	99,76	3.30E-09 R	GLVSPGMF E	
1602,917	0,0006	0	79,42	3.50E-07 R	GLVSPGMF E	
1611,781	-0,0111	1	49,51	0,00044 E	TMKAENLA' Q	Oxidation (I
1614,808	-0,0042	1	82,96	5.60E-07 Q	TYL DFAQRI A	
1618,912	0,0048	0	55,58	0,0001 R	GLVSPGMF E	Oxidation (I
1618,912	0,0091	0	37,51	0,0059 R	GLVSPGMF E	Oxidation (I
1619,722	-0,0108	0	44,63	0,00052 K	SNDYQTYLII	
1619,722	-0,0054	0	72,38	9.80E-07 K	SNDYQTYLII	
1619,722	-0,0044	0	77,64	2.90E-07 K	SNDYQTYLII	
1619,722	-0,0034	0	72,9	8.60E-07 K	SNDYQTYLII	
1619,722	-0,0032	0	67,18	3.30E-06 K	SNDYQTYLII	
1619,722	-0,0028	0	80,45	1.60E-07 K	SNDYQTYLII	
1619,722	-0,0025	0	54,46	6.20E-05 K	SNDYQTYLII	
1619,722	-0,0024	0	89,71	1.90E-08 K	SNDYQTYLII	
1619,722	-0,002	0	33,89	0,0075 K	SNDYQTYLII	
1619,722	-0,002	0	67,32	3.40E-06 K	SNDYQTYLII	
1619,722	-0,0005	0	95,85	4.80E-09 K	SNDYQTYLII	
1619,722	0,0045	0	40,58	0,0018 K	SNDYQTYLII	
1636,785	-0,0092	1	82,41	4.70E-07 A	QEVDERFF S	
1636,785	-0,0059	1	60,63	7.30E-05 A	QEVDERFF S	
1683,877	-0,0067	1	70,42	5.20E-06 L	PDIYYVLAW E	
1696,813	-0,0047	0	43,83	0,0034 K	EIMFGDHT S	
1696,813	-0,0043	0	37,99	0,013 K	EIMFGDHT S	
1696,813	0	0	88,15	1.30E-07 K	EIMFGDHT S	
1696,813	0,0001	0	121,83	5.70E-11 K	EIMFGDHT S	
1696,813	0,0038	0	38,39	0,013 K	EIMFGDHT S	
1707,822	-0,0055	1	58,08	7.00E-05 V	AQEVDERF S	

1707,822	-0,0054	1	43,34	0,0021	V	AQEVDERF S	Oxidation (I
1712,808	-0,0042	0	61,81	4.90E-05	K	EIMFGDHT S	
1724,829	-0,0026	1	85,17	2.70E-07	I	ETMKAENL Q	
1724,829	-0,0016	1	81,87	5.70E-07	I	ETMKAENL Q	
1724,829	0,0001	1	41,32	0,0066	I	ETMKAENL Q	
1742,866	0,0025	1	69,3	1.30E-05	Y	QTYLDFAQIA	
1748,873	-0,0141	0	42,49	0,0061	K	HFQALGYD T	
1748,873	-0,0053	0	104,8	3.70E-09	K	HFQALGYD T	
1748,873	-0,0045	0	94,59	4.00E-08	K	HFQALGYD T	
1748,873	-0,0041	0	86,87	2.40E-07	K	HFQALGYD T	
1748,873	-0,0029	0	112,08	7.20E-10	K	HFQALGYD T	
1748,873	0,0007	0	118,56	1.60E-10	K	HFQALGYD T	
1748,873	0,0013	0	75,73	3.10E-06	K	HFQALGYD T	
1748,873	0,0015	0	78,68	1.60E-06	K	HFQALGYD T	
1748,873	0,0019	0	77,82	1.90E-06	K	HFQALGYD T	
1748,873	0,0026	0	55,72	0,00031	K	HFQALGYD T	
1748,873	0,0028	0	53,83	0,00049	K	HFQALGYD T	
1748,873	0,0094	0	52,64	0,00064	K	HFQALGYD T	
1806,89	-0,0161	1	55,72	0,00026	R	VAQEVDER S	
1806,89	-0,0142	1	47,84	0,0016	R	VAQEVDER S	
1806,89	-0,0117	1	49,59	0,0011	R	VAQEVDER S	
1806,89	-0,0066	1	70,38	9.80E-06	R	VAQEVDER S	
1806,89	-0,0039	1	108,99	1.30E-09	R	VAQEVDER S	
1806,89	-0,0037	1	82,22	6.40E-07	R	VAQEVDER S	
1806,89	-0,0026	1	92,47	6.10E-08	R	VAQEVDER S	
1806,89	-0,0013	1	40,97	0,0087	R	VAQEVDER S	
1806,89	0,0016	1	74,25	4.20E-06	R	VAQEVDER S	
1806,89	0,0046	1	43,24	0,0053	R	VAQEVDER S	
1824,908	-0,0162	1	41,33	0,0074	K	KEIMFGDH S	Oxidation (I Oxidation (I
1837,913	-0,0155	1	66,56	1.20E-05	R	IETMKAENL Q	
1837,913	-0,0093	1	44,01	0,0021	R	IETMKAENL Q	
1837,913	-0,0092	1	59,53	6.00E-05	R	IETMKAENL Q	
1837,913	-0,0062	1	56,6	0,00012	R	IETMKAENL Q	
1837,913	-0,0051	1	57,82	8.90E-05	R	IETMKAENL Q	
1837,913	-0,0048	1	80,89	4.50E-07	R	IETMKAENL Q	
1837,913	-0,0048	1	80,63	4.80E-07	R	IETMKAENL Q	
1837,913	-0,0003	1	122,66	3.00E-11	R	IETMKAENL Q	
1853,908	-0,0156	1	49,08	0,00058	R	IETMKAENL Q	
1853,908	-0,0114	1	75,72	1.20E-06	R	IETMKAENL Q	
1905,93	-0,0016	1	57,11	0,00011	D	YQTYLDFAC A	
1905,93	-0,0002	1	36,89	0,011	D	YQTYLDFAC A	
1990,052	0,0037	1	52,61	0,00028	V	PTLNDFFN I K	
2020,956	-0,0001	1	90,72	6.70E-08	N	DYQTYLDF A	
2118,147	-0,0137	2	73,36	2.00E-06	V	PTLNDFFN I F	
2150,101	-0,0171	1	60,75	4.90E-05	K	HFQALGYD I	
2150,101	-0,0152	1	47,82	0,00097	K	HFQALGYD I	
2150,101	-0,0088	1	45,55	0,0016	K	HFQALGYD I	
2150,101	-0,0069	1	40,15	0,0055	K	HFQALGYD I	

2150,101	-0,0045	1	42,76	0,0031	K	HFQALGYD I	
2150,101	-0,0039	1	99,35	6.50E-09	K	HFQALGYD I	
2150,101	-0,0039	1	54,31	0,00021	K	HFQALGYD I	
2150,101	-0,0028	1	46,12	0,0014	K	HFQALGYD I	
2150,101	-0,0028	1	36,52	0,013	K	HFQALGYD I	
2189,05	-0,004	1	88,83	5.60E-08	R	VLYCQDCG E	
2222,031	-0,0102	1	91,9	1.90E-08	K	SNDYQTYLIA	
2222,031	-0,0013	1	66,55	7.40E-06	K	SNDYQTYLIA	
2222,031	0,0033	1	43,86	0,0015	K	SNDYQTYLIA	
2238,026	-0,0138	1	55,15	6.70E-05	K	SNDYQTYLIA	Oxidation (I
2238,026	-0,0092	1	82,06	1.40E-07	K	SNDYQTYLIA	Oxidation (I
2238,026	-0,0069	1	48,79	0,00033	K	SNDYQTYLIA	Oxidation (I
2241,183	-0,0111	1	69,76	1.00E-05	K	ELTTLPIIY E	
2241,183	-0,0093	1	91,79	3.60E-08	K	ELTTLPIIY E	
2304,164	-0,0023	0	45,33	0,0018	K	IANDAGVP I L	
2758,465	-0,0117	2	52,51	0,00057	K	IANDAGVP I F	
3088,598	0,0064	2	99,04	1.20E-08	K	GNTLLNYF C G	
3439,624	-0,0059	2	109,86	7.20E-10	K	SNDYQTYLI Q	
926,4821	-0,0128	0	57,56	0,00015	L	PGIAALDDF -	
926,4821	-0,0122	0	46,17	0,0022	L	PGIAALDDF -	
926,4821	-0,0119	0	71,87	6.10E-06	L	PGIAALDDF -	
926,4821	-0,0117	0	64,65	3.20E-05	L	PGIAALDDF -	
926,4821	-0,0117	0	67,59	1.60E-05	L	PGIAALDDF -	
926,4821	-0,0117	0	53,68	0,0004	L	PGIAALDDF -	
926,4821	-0,0101	0	52,76	0,00048	L	PGIAALDDF -	
959,5036	-0,0072	1	46,55	0,0013	L	TEADLAGK I V	
1039,566	-0,0106	0	65,67	9.10E-06	V	LPGIAALDD -	
1072,588	-0,0088	1	71,57	6.90E-06	N	LTEADLAGK V	
1072,588	-0,0056	1	65,5	2.80E-05	N	LTEADLAGK V	
1086,521	-0,0086	0	39,2	0,0085	Y	VNDAFGTA A	
1095,676	-0,0094	0	52,43	7.00E-05	K	RPLVAIVGC V	
1095,676	-0,0068	0	46,23	0,00024	K	RPLVAIVGC V	
1095,676	-0,0042	0	46,63	0,00022	K	RPLVAIVGC V	
1099,649	-0,0119	0	49,83	0,00043	K	IGVIETLLDk C	
1099,649	-0,0116	0	71,22	3.20E-06	K	IGVIETLLDk C	
1110,63	-0,0089	0	36,19	0,013	V	ILGSHFGRF G	
1110,63	-0,0052	0	41,42	0,0041	V	ILGSHFGRF G	
1126,696	-0,0141	1	34,13	0,01	A	LPTIKDLLS I G	
1126,696	-0,0106	1	35,36	0,0075	A	LPTIKDLLS I G	
1151,691	-0,0118	0	47,85	0,00023	R	LGELLGQP I C	
1151,691	-0,0098	0	54,65	4.60E-05	R	LGELLGQP I C	
1151,691	-0,0094	0	50,35	0,00012	R	LGELLGQP I C	
1151,691	-0,0093	0	50,17	0,00013	R	LGELLGQP I C	
1151,691	-0,0072	0	54,85	3.20E-05	R	LGELLGQP I C	
1158,613	-0,0077	1	42,12	0,0064	L	VEEDKLDL I S	
1158,613	-0,0063	1	61,49	7.00E-05	L	VEEDKLDL I S	
1186,631	-0,0042	1	60,01	0,00011	A	NLTEADLA C V	
1186,631	-0,0036	1	55,11	0,00035	A	NLTEADLA C V	

1197,733	-0,0071	1	38,66	0,0017	A	ALPTIKDLLS G
1209,698	-0,0097	0	48,93	0,00034	K	VILGSHFGF G
1209,698	-0,0091	0	42,39	0,0015	K	VILGSHFGF G
1233,628	-0,0116	1	57,59	9.20E-05	V	IETLLDKCD L
1251,694	-0,0123	0	84,83	1.00E-07	L	PNGGVALL F
1251,694	-0,0105	0	76,81	6.60E-07	L	PNGGVALL F
1251,694	-0,0097	0	73,7	1.30E-06	L	PNGGVALL F
1257,668	-0,0034	1	54,57	0,00023	I	ANLTEADL V
1257,668	-0,0003	1	65,77	1.60E-05	I	ANLTEADL V
1257,668	0,0001	1	62,78	3.40E-05	I	ANLTEADL V
1268,77	-0,0122	1	50,78	0,00019	R	AALPTIKDLI G
1268,77	-0,0079	1	53,17	0,0001	R	AALPTIKDLI G
1268,77	-0,0071	1	83,11	1.10E-07	R	AALPTIKDLI G
1302,605	-0,0116	0	77,09	1.00E-06	V	PLDNGSITC I
1302,605	-0,0088	0	43,55	0,0024	V	PLDNGSITC I
1302,605	-0,0076	0	78,97	7.40E-07	V	PLDNGSITC I
1337,559	-0,0092	0	39,39	0,00087	K	CDDCIGAE I
1358,729	-0,0082	1	79,08	1.30E-06	K	SLVEEDKLC S
1358,729	-0,0074	1	86,58	2.40E-07	K	SLVEEDKLC S
1358,729	-0,0031	1	76,05	2.50E-06	K	SLVEEDKLC S
1358,729	-0,002	1	60,28	9.40E-05	K	SLVEEDKLC S
1370,752	-0,0014	1	51,15	0,00069	S	IANLTEADL V
1389,717	-0,0092	1	72,93	3.30E-06	I	GVIETLLDK L
1391,861	-0,0036	1	43,19	0,00018	E	APKRPLVAI V
1391,861	-0,0035	1	27,81	0,0064	E	APKRPLVAI V
1401,808	-0,0125	1	81,84	1.80E-07	V	SSKIGVIEI C
1429,741	-0,0113	0	36,99	0,012	K	QSIANLTEA R
1429,741	-0,0098	0	58,68	7.80E-05	K	QSIANLTEA R
1429,741	-0,0061	0	74,81	2.00E-06	K	QSIANLTEA R
1429,741	-0,0054	0	99,37	7.00E-09	K	QSIANLTEA R
1429,741	-0,0048	0	43,91	0,0025	K	QSIANLTEA R
1429,741	0,0036	0	70,82	5.00E-06	K	QSIANLTEA R
1442,777	-0,0056	0	87,09	2.00E-07	K	ELQFLQGA R
1458,795	-0,0056	0	82,85	4.80E-07	K	LIIGGMIFI A
1500,876	-0,0065	1	74,13	9.60E-07	K	VSSKIGVIEI C
1502,801	-0,0082	1	49,36	0,0012	K	IGVIETLLDK L
1520,653	-0,015	0	45,49	0,00037	R	FHAGEEGNA
1520,653	-0,0125	0	65,03	4.20E-06	R	FHAGEEGNA
1520,653	-0,0112	0	41,14	0,0011	R	FHAGEEGNA
1520,653	-0,0098	0	54,17	5.60E-05	R	FHAGEEGNA
1520,653	-0,0094	0	85,64	4.10E-08	R	FHAGEEGNA
1520,653	-0,0085	0	45,63	0,00042	R	FHAGEEGNA
1520,653	-0,0079	0	68,52	2.20E-06	R	FHAGEEGNA
1520,653	-0,0074	0	31,3	0,012	R	FHAGEEGNA
1520,653	-0,0067	0	90,28	1.50E-08	R	FHAGEEGNA
1520,653	-0,0059	0	50,48	0,00015	R	FHAGEEGNA
1537,956	-0,0158	2	33,54	0,0031	R	IRAALPTIKC G
1571,79	0,0037	1	47,15	0,0011	V	PLDNGSITC A

1578,909	0,0022	1	45,26	0,00076	P	VGDR LGEL C	
1585,842	-0,0094	1	53,93	0,00025	K	QSIANL TEA V	
1585,842	-0,0084	1	79,7	6.50E-07	K	QSIANL TEA V	
1585,842	-0,0071	1	40,85	0,0049	K	QSIANL TEA V	
1635,931	-0,0087	0	102,2	1.50E-09	K	IASLPNGG\ F	
1635,931	-0,0042	0	107,73	3.60E-10	K	IASLPNGG\ F	
1635,931	-0,0022	0	69,59	2.30E-06	K	IASLPNGG\ F	
1662,775	-0,0048	0	42,2	0,0038	A	NADLYVND A	
1675,962	-0,0224	1	47,1	0,00048	T	PVGDR LG E C	
1675,962	-0,0182	1	32,92	0,012	T	PVGDR LG E C	
1675,962	0,0004	1	52,71	8.10E-05	T	PVGDR LG E C	
1675,962	0,0021	1	44,22	0,00057	T	PVGDR LG E C	
1733,812	0,0012	0	72,88	1.90E-06	A	ANADLYVN A	
1762,047	-0,0258	1	52,43	0,00018	Q	GAIEAPKRP V	
1762,047	0,0004	1	35,12	0,0026	Q	GAIEAPKRP V	
1762,047	0,0009	1	57,08	1.70E-05	Q	GAIEAPKRP V	
1785,893	-0,0138	0	41,83	0,0069	K	MSHISTGG\ V	
1785,893	-0,0011	0	74,85	1.80E-06	K	MSHISTGG\ V	
1785,893	-0,0005	0	77,91	8.90E-07	K	MSHISTGG\ V	
1785,893	0,0004	0	90,28	5.30E-08	K	MSHISTGG\ V	
1785,893	0,0019	0	63,91	2.20E-05	K	MSHISTGG\ V	
1800,969	-0,0096	2	42,56	0,0069	L	SKQSIANLT V	
1801,888	-0,003	0	39,58	0,0059	K	MSHISTGG\ V	Oxidation (I
1801,888	-0,0022	0	52,22	0,00032	K	MSHISTGG\ V	Oxidation (I
1804,849	-0,0157	0	46,6	0,0007	L	AANADLYVIA	
1804,849	-0,0057	0	49,52	0,00078	L	AANADLYVIA	
1804,849	-0,0049	0	101,91	4.50E-09	L	AANADLYVIA	
1804,849	0,0001	0	133,09	3.70E-12	L	AANADLYVIA	
1804,849	0,0068	0	76,18	2.00E-06	L	AANADLYVIA	
1876,88	-0,0028	0	47,73	0,0011	R	VDFNVPLD I	
1876,88	0,0005	0	99,96	7.00E-09	R	VDFNVPLD I	
1876,88	0,0024	0	53,84	0,0003	R	VDFNVPLD I	
1876,88	0,0039	0	90,08	7.20E-08	R	VDFNVPLD I	
1876,88	0,0062	0	76,69	1.60E-06	R	VDFNVPLD I	
1876,88	0,0109	0	51,4	0,00058	R	VDFNVPLD I	
1890,105	-0,02	1	35,52	0,0042	L	QGAIEAPKF V	
1890,094	-0,0053	1	70,22	1.40E-06	R	LTPVGDR L\ C	
1988,97	-0,0172	0	52,73	0,00046	K	ALAANADL\ A	
1988,97	-0,0107	0	53,69	0,00021	K	ALAANADL\ A	
1988,97	-0,0106	0	52,29	0,00029	K	ALAANADL\ A	
1988,97	-0,0086	0	96,81	1.00E-08	K	ALAANADL\ A	
1988,97	-0,0078	0	74,66	3.20E-06	K	ALAANADL\ A	
1988,97	-0,0077	0	93,61	2.20E-08	K	ALAANADL\ A	
1988,97	-0,0075	0	44,06	0,002	K	ALAANADL\ A	
1988,97	-0,0066	0	40,61	0,0083	K	ALAANADL\ A	
1988,97	-0,0051	0	94,01	3.80E-08	K	ALAANADL\ A	
1988,97	-0,003	0	81,96	3.20E-07	K	ALAANADL\ A	
1988,97	-0,0017	0	137,03	1.90E-12	K	ALAANADL\ A	

1988,97	-0,0014	0	40,87	0,0079	K	ALAANADL'A	
2003,189	-0,0174	1	37,64	0,0013	F	LQGAIEAPK V	
2146,066	-0,007	1	54,45	0,00038	R	VDFNVPLD A	
2146,066	-0,0053	1	90,19	1.00E-07	R	VDFNVPLD A	
2146,066	-0,0049	1	41,24	0,0081	R	VDFNVPLD A	
2150,258	-0,0072	1	56,4	2.10E-05	Q	FLQGAIEAP V	
2150,258	-0,0042	1	37,32	0,0024	Q	FLQGAIEAP V	
2440,239	-0,0177	0	67,3	2.10E-05	R	AHASTEGV' E	
2440,239	-0,0105	0	37,77	0,0096	R	AHASTEGV' E	
2440,239	-0,0095	0	88,91	1.40E-07	R	AHASTEGV' E	
2440,239	-0,009	0	88,7	7.70E-08	R	AHASTEGV' E	
2440,239	-0,008	0	179,58	1.20E-16	R	AHASTEGV' E	
2440,239	-0,0078	0	157,58	2.00E-14	R	AHASTEGV' E	
2440,239	-0,0057	0	46,46	0,0013	R	AHASTEGV' E	
2471,24	-0,0146	1	39,5	0,0064	R	LGELLGQP'I	
2520,443	-0,008	1	87,65	2.00E-08	K	ELQFLQGA'V	
2754,336	-0,0063	1	158,43	6.70E-15	L	PNGGVALL A	
2754,336	0,0024	1	118,74	6.50E-11	L	PNGGVALL A	
797,4032	-0,0104	0	39,33	0,0014	I	PQPAETR Y	
797,4032	-0,0096	0	31,58	0,0085	I	PQPAETR Y	
797,4032	-0,0094	0	29,56	0,014	I	PQPAETR Y	
797,4032	-0,0069	0	41,59	0,00084	I	PQPAETR Y	
797,4032	-0,0054	0	39,32	0,0013	I	PQPAETR Y	
910,4872	-0,0076	0	39,01	0,0081	V	IPQPAETR Y	
1084,576	-0,014	0	51,36	0,00076	V	PNTIVEDA V I	
1084,576	-0,0133	0	48,2	0,0016	V	PNTIVEDA V I	
1084,576	-0,0127	0	46,5	0,0024	V	PNTIVEDA V I	
1183,645	-0,0115	0	55,75	0,00012	M	VPNTIVEDA I	
1210,602	-0,0068	0	48,12	0,0015	V	ITHEQVMEI'N	
1314,685	-0,0116	0	64,61	4.10E-05	A	MVPNTIVEI' I	
1325,665	-0,0047	0	51,04	0,00033	L	VITHEQVMI'N	Oxidation (I
1371,718	-0,0097	1	57,68	0,0001	A	GLRQVLDM'V	
1385,722	-0,005	0	49,42	0,00068	V	AMVPNTIVE I	
1422,754	-0,0011	0	48,72	0,0012	Y	LVITHEQVM'N	
1438,749	-0,0037	0	47,25	0,002	Y	LVITHEQVM'N	Oxidation (I
1472,755	-0,0018	1	70,64	1.00E-05	V	EVQDMSD' T	
1484,791	-0,0107	0	60,81	9.50E-05	R	VAMVPNTIV I	
1484,791	-0,0101	0	77,92	1.80E-06	R	VAMVPNTIV I	
1484,791	-0,0095	0	48,28	0,0016	R	VAMVPNTIV I	
1484,791	-0,0086	0	77,91	1.70E-06	R	VAMVPNTIV I	
1484,791	-0,0061	0	62,27	6.20E-05	R	VAMVPNTIV I	
1484,791	-0,0044	0	75,18	3.20E-06	R	VAMVPNTIV I	
1484,791	-0,0021	0	65,03	3.20E-05	R	VAMVPNTIV I	
1484,791	-0,0007	0	48,63	0,0014	R	VAMVPNTIV I	
1485,834	-0,0034	2	40,72	0,0029	V	PVTSVRAGI'G	
1497,742	-0,0063	0	45,32	0,0013	I	GTEGIVPVC'Q	
1500,786	-0,0061	0	78,81	1.50E-06	R	VAMVPNTIV I	Oxidation (I
1500,786	-0,0053	0	60,08	0,00011	R	VAMVPNTIV I	Oxidation (I

1500,786	-0,0036	0	46,25	0,0027	R	VAMVPNTI I	Oxidation (I
1500,786	-0,0033	0	56,22	0,00028	R	VAMVPNTI I	Oxidation (I
1517,776	-0,0008	0	57,56	0,0001	A	TVGAQAAI A	
1567,857	-0,0043	0	35,87	0,011	I	VQNEIEVVF A	
1567,857	-0,0011	0	36,63	0,0086	I	VQNEIEVVF A	
1585,817	0,0022	0	47,27	0,0012	N	YLVITHEQV N	
1611,858	-0,0065	0	82,04	3.10E-07	K	GTVDAVAG Q	
1611,858	-0,0032	0	41,14	0,0038	K	GTVDAVAG Q	
1611,858	-0,0005	0	76,82	1.00E-06	K	GTVDAVAG Q	
1640,892	0,0005	1	81,38	5.80E-07	R	RVAMVPNT I	
1640,892	0,0009	1	55,76	0,00021	R	RVAMVPNT I	
1680,941	-0,0067	0	85,65	1.40E-07	K	IVQNEIEVV A	
1680,941	-0,0066	0	75,92	1.30E-06	K	IVQNEIEVV A	
1680,941	-0,0053	0	85,26	1.50E-07	K	IVQNEIEVV A	
1680,941	-0,0044	0	59,17	6.10E-05	K	IVQNEIEVV A	
1680,941	-0,0027	0	56,29	0,00012	K	IVQNEIEVV A	
1680,941	-0,0022	0	63,6	2.20E-05	K	IVQNEIEVV A	
1680,941	-0,0004	0	61,47	3.50E-05	K	IVQNEIEVV A	
1680,941	-0,0003	0	70,54	4.30E-06	K	IVQNEIEVV A	
1680,941	0,0008	0	66,48	1.00E-05	K	IVQNEIEVV A	
1680,941	0,0009	0	57,47	8.20E-05	K	IVQNEIEVV A	
1680,941	0,0016	0	58,04	7.30E-05	K	IVQNEIEVV A	
1680,941	0,0023	0	72,61	2.50E-06	K	IVQNEIEVV A	
1680,941	0,0033	0	51,11	0,00035	K	IVQNEIEVV A	
1680,941	0,0034	0	50,5	0,00041	K	IVQNEIEVV A	
1683,898	0,0039	1	47,11	0,0011	I	QLAGLRQV V	
1684,907	0,0006	1	58,24	0,00013	Q	IVEVQDMSIT	
1699,86	-0,0014	0	74,39	2.20E-06	F	NYLVITHEQ N	
1732,816	-0,0019	0	45,03	0,0022	A	EGYVQGDF W	
1739,953	-0,0044	1	38,96	0,0055	K	KGTVDAVA I Q	
1739,953	-0,0009	1	95,32	1.30E-08	K	KGTVDAVA I Q	
1739,953	-0,0002	1	51,12	0,00033	K	KGTVDAVA I Q	
1739,953	0,0003	1	128,01	6.80E-12	K	KGTVDAVA I Q	
1796,906	-0,0035	0	87,08	2.20E-07	K	WIGTEGIVP Q	
1796,906	0,0005	0	77,11	2.10E-06	K	WIGTEGIVP Q	
1796,906	0,0007	0	50,9	0,00089	K	WIGTEGIVP Q	
1846,929	-0,0101	0	75,06	3.60E-06	F	FNYLVITHE N	
1846,929	0,0001	0	74,52	4.10E-06	F	FNYLVITHE N	
1916,937	-0,0119	0	44,78	0,0031	R	LAEGYVQG W	
1916,937	-0,0096	0	46,57	0,0021	R	LAEGYVQG W	
1916,937	-0,0095	0	53,67	0,00041	R	LAEGYVQG W	
1916,937	-0,0094	0	106,73	2.00E-09	R	LAEGYVQG W	
1916,937	-0,0085	0	106,21	2.30E-09	R	LAEGYVQG W	
1916,937	-0,0085	0	38,61	0,013	R	LAEGYVQG W	
1916,937	-0,0085	0	105,11	3.00E-09	R	LAEGYVQG W	
1916,937	-0,0083	0	65,32	2.80E-05	R	LAEGYVQG W	
1916,937	-0,0077	0	57,19	0,00019	R	LAEGYVQG W	
1916,937	-0,0076	0	138,03	1.50E-12	R	LAEGYVQG W	

1916,937	-0,0067	0	45,74	0,0026	R	LAEGYVQG W	
1916,937	-0,0054	0	52,38	0,00057	R	LAEGYVQG W	
1916,937	-0,0047	0	44,58	0,0035	R	LAEGYVQG W	
1916,937	-0,0042	0	104,24	3.70E-09	R	LAEGYVQG W	
1916,937	-0,0041	0	136,26	2.30E-12	R	LAEGYVQG W	
1916,937	-0,0041	0	141,69	6.70E-13	R	LAEGYVQG W	
1916,937	-0,0038	0	131,19	7.50E-12	R	LAEGYVQG W	
1916,937	-0,0037	0	73,42	4.50E-06	R	LAEGYVQG W	
1916,937	-0,0036	0	52,96	0,0005	R	LAEGYVQG W	
1916,937	-0,0029	0	109,28	1.20E-09	R	LAEGYVQG W	
1916,937	-0,0026	0	128,58	1.40E-11	R	LAEGYVQG W	
1916,937	-0,0018	0	70,92	8.30E-06	R	LAEGYVQG W	
1916,937	-0,0015	0	77,54	1.80E-06	R	LAEGYVQG W	
1916,937	-0,0013	0	117,89	1.70E-10	R	LAEGYVQG W	
1916,937	-0,001	0	103,96	4.10E-09	R	LAEGYVQG W	
1916,937	-0,0009	0	116,36	2.40E-10	R	LAEGYVQG W	
1916,937	0,0002	0	52,24	0,00062	R	LAEGYVQG W	
1916,937	0,0006	0	97,26	1.90E-08	R	LAEGYVQG W	
1916,937	0,001	0	90,4	9.30E-08	R	LAEGYVQG W	
1916,937	0,0013	0	47,19	0,002	R	LAEGYVQG W	
1916,937	0,0029	0	165,9	2.70E-15	R	LAEGYVQG W	
2097,089	-0,0038	1	42,5	0,0058	V	AGDGIQLAIV	
2122,056	-0,0081	0	102,05	3.20E-09	R	QFFNYLVIT N	
2122,056	-0,0071	0	60,04	9.90E-05	R	QFFNYLVIT N	
2122,056	-0,0054	0	103,88	2.20E-09	R	QFFNYLVIT N	
2122,056	-0,001	0	54,52	0,00038	R	QFFNYLVIT N	
2122,056	-0,0001	0	100,94	4.40E-09	R	QFFNYLVIT N	
2138,051	-0,0153	0	41,95	0,0031	R	QFFNYLVIT N	Oxidation (I
2138,051	-0,0152	0	46,99	0,00096	R	QFFNYLVIT N	Oxidation (I
2138,051	-0,0111	0	36,6	0,011	R	QFFNYLVIT N	Oxidation (I
2138,051	-0,0108	0	70,78	4.20E-06	R	QFFNYLVIT N	Oxidation (I
2138,051	-0,0035	0	74,18	2.00E-06	R	QFFNYLVIT N	Oxidation (I
2138,051	-0,0001	0	43,13	0,0025	R	QFFNYLVIT N	Oxidation (I
2196,157	-0,007	1	37,73	0,0092	A	VAGDGIQLV	
2297,241	-0,0071	2	40,67	0,0035	V	QNEIEVVPV G	
2381,299	-0,0058	1	76,44	8.50E-07	K	IVQNEIEVV K	
2381,299	-0,0047	1	58,36	5.50E-05	K	IVQNEIEVV K	
2381,299	-0,0046	1	43,04	0,0029	K	IVQNEIEVV K	
2381,299	0,005	1	50,2	0,00032	K	IVQNEIEVV K	
2381,299	0,0051	1	84,7	1.10E-07	K	IVQNEIEVV K	
2509,394	-0,0147	2	50,59	0,00054	K	IVQNEIEVV G	
2509,394	-0,0084	2	43,19	0,0028	K	IVQNEIEVV G	
2509,394	-0,006	2	46,79	0,0012	K	IVQNEIEVV G	
2639,359	-0,003	1	50,14	0,00092	K	GTVDVAVAG V	
2694,463	-0,0028	2	77,36	5.70E-07	K	ELGRDVVLCT	
2694,463	-0,002	2	92,93	1.60E-08	K	ELGRDVVLCT	
2710,458	-0,0107	2	51,34	0,00062	K	ELGRDVVLCT	Oxidation (I
2767,454	-0,0057	2	186,56	2.40E-17	K	KGTVDVAVAV	



2767,454	-0,0054	2	141,55	7.70E-13	K	KGTVDAVAIV	Oxidation (I
2767,454	-0,0051	2	156,36	2.50E-14	K	KGTVDAVAIV	
2767,454	-0,0022	2	80,84	8.70E-07	K	KGTVDAVAIV	
2783,449	0,0005	2	53,72	0,00022	K	KGTVDAVAIV	
824,4505	-0,0086	0	47,36	0,0009	V	VDVHISR L	
824,4505	-0,0064	0	48,07	0,00077	V	VDVHISR L	
911,544	-0,0134	0	38,88	0,0039	N	PELILTAR G	
923,5189	-0,0075	0	40,25	0,0018	R	VVDVHISR L	
923,5189	-0,0072	0	40,58	0,0016	R	VVDVHISR L	
923,5189	-0,0071	0	32,17	0,011	R	VVDVHISR L	
923,5189	-0,0068	0	65,88	4.60E-06	R	VVDVHISR L	
923,5189	-0,0068	0	41,25	0,0013	R	VVDVHISR L	
923,5189	-0,0068	0	45,96	0,00045	R	VVDVHISR L	
923,5189	-0,0061	0	35,63	0,005	R	VVDVHISR L	
1208,597	-0,0102	1	67,68	1.50E-05	D	GYGVCQEL E	
1209,672	-0,0156	0	57,33	6.10E-05	D	PSNPELILT/ G	
1209,672	-0,0129	0	63,18	1.50E-05	D	PSNPELILT/ G	
1209,672	-0,0102	0	61,82	2.00E-05	D	PSNPELILT/ G	
1209,672	-0,0076	0	49,99	0,00031	D	PSNPELILT/ G	
1209,672	-0,0074	0	59,07	3.80E-05	D	PSNPELILT/ G	
1209,672	-0,0072	0	58,65	4.20E-05	D	PSNPELILT/ G	
1209,672	-0,007	0	35,39	0,0088	D	PSNPELILT/ G	
1209,672	-0,0052	0	36,43	0,007	D	PSNPELILT/ G	
1240,714	-0,0111	0	71,48	4.30E-06	I	PSSGVLQIA I	
1240,714	-0,0104	0	41,29	0,0045	I	PSSGVLQIA I	
1240,714	-0,0087	0	85,6	1.60E-07	I	PSSGVLQIA I	
1240,714	-0,0063	0	42,81	0,0028	I	PSSGVLQIA I	
1308,613	-0,0078	0	39,44	0,0076	K	LDGYGVCC K	
1308,613	-0,0077	0	51,15	0,00052	K	LDGYGVCC K	
1308,613	-0,0073	0	68,13	1.00E-05	K	LDGYGVCC K	
1308,613	-0,0063	0	65,34	2.00E-05	K	LDGYGVCC K	
1323,624	-0,0076	1	68,13	5.60E-06	L	DGYGVCQE E	
1323,624	-0,0053	1	59,01	4.80E-05	L	DGYGVCQE E	
1323,624	-0,0034	1	38,36	0,0057	L	DGYGVCQE E	
1323,624	-0,0025	1	34,99	0,012	L	DGYGVCQE E	
1323,624	-0,002	1	70,88	3.20E-06	L	DGYGVCQE E	
1421,719	-0,0035	0	79,83	5.30E-07	L	GADDYVVK E	
1436,708	-0,0109	1	51,12	0,00077	K	LDGYGVCC E	
1436,708	-0,0074	1	38,89	0,013	K	LDGYGVCC E	
1436,708	-0,0028	1	72,14	6.10E-06	K	LDGYGVCC E	
1436,708	0,0019	1	78,47	1.50E-06	K	LDGYGVCC E	
1483,807	-0,0073	0	67,6	9.40E-06	I	PIIMLTALGI I	
1507,872	-0,005	0	113,48	8.30E-11	M	PGIPSSGVL I	
1507,872	-0,0037	0	86,9	3.90E-08	M	PGIPSSGVL I	
1534,803	-0,0041	0	104,63	3.70E-09	E	LGADDYVV E	
1534,803	-0,0027	0	105,03	3.40E-09	E	LGADDYVV E	
1593,844	-0,0014	0	42,14	0,0031	L	TGMEFSLLE S	
1663,846	-0,0026	0	110,58	4.70E-10	L	ELGADDYV E	

1663,846	-0,0022	0	62,44	3.30E-05	L	ELGADDYV' E	
1695,868	-0,0072	0	90,25	5.10E-08	K	LEEDPSNPI G	
1695,868	-0,0021	0	78,82	6.80E-07	K	LEEDPSNPI G	
1695,868	-0,002	0	51,96	0,00033	K	LEEDPSNPI G	
1695,868	-0,0016	0	53,4	0,00024	K	LEEDPSNPI G	
1695,868	-0,0006	0	122,12	3.20E-11	K	LEEDPSNPI G	
1695,868	0,0012	0	59,4	6.20E-05	K	LEEDPSNPI G	
1695,868	0,0066	0	41,93	0,0033	K	LEEDPSNPI G	
1706,928	-0,0057	0	63,55	3.30E-05	R	LTGMEFSLI S	
1706,928	-0,0009	0	117,35	1.30E-10	R	LTGMEFSLI S	
1722,923	-0,0007	0	110,48	7.50E-10	R	LTGMEFSLI S	Oxidation (I
1722,923	-0,0005	0	117,86	1.40E-10	R	LTGMEFSLI S	Oxidation (I
1776,93	0,0004	0	51,95	0,00068	G	LELGADDY' E	
1812,011	-0,0031	1	75,54	9.40E-07	I	PSSGVLQIA R	
1812,011	-0,0021	1	74,09	1.30E-06	I	PSSGVLQIA R	
1833,951	-0,007	0	113,17	2.90E-10	T	GLELGADD E	
1833,951	0,0011	0	48,04	0,00092	T	GLELGADD E	
1833,951	0,0012	0	149,01	7.40E-14	T	GLELGADD E	
1895	-0,0104	1	134,73	3.50E-12	R	AKLEEDPSI' G	
1895	-0,0073	1	96,64	2.20E-08	R	AKLEEDPSI' G	
1895	-0,004	1	66,7	2.20E-05	R	AKLEEDPSI' G	
1895	-0,0013	1	77,02	2.00E-06	R	AKLEEDPSI' G	
1895	-0,0011	1	63,79	4.20E-05	R	AKLEEDPSI' G	
1895	-0,0001	1	64,79	3.30E-05	R	AKLEEDPSI' G	
1895	0,0001	1	127,13	1.90E-11	R	AKLEEDPSI' G	
1927,993	-0,0034	0	40,47	0,0052	K	ESDIPIIMLT I	
1927,993	0,0054	0	71,88	3.70E-06	K	ESDIPIIMLT I	
1934,999	-0,0003	0	85,27	3.30E-07	I	TGLELGADI E	
1976,113	-0,0241	1	51,04	0,00022	R	IRLTGMEFS S	
2048,083	-0,0173	0	81,88	3.80E-07	R	ITGLELGAD E	
2048,083	-0,014	0	84,94	1.90E-07	R	ITGLELGAD E	
2048,083	-0,0118	0	118,41	8.30E-11	R	ITGLELGAD E	
2048,083	-0,0102	0	86,07	1.40E-07	R	ITGLELGAD E	
2048,083	-0,0093	0	153,69	2.40E-14	R	ITGLELGAD E	
2048,083	-0,0075	0	82,34	3.30E-07	R	ITGLELGAD E	
2048,083	-0,0072	0	103,56	2.50E-09	R	ITGLELGAD E	
2048,083	-0,0025	0	151,09	4.20E-14	R	ITGLELGAD E	
2048,083	-0,0023	0	43,59	0,0023	R	ITGLELGAD E	
2048,083	-0,0017	0	81,67	3.60E-07	R	ITGLELGAD E	
2048,083	-0,0005	0	124,89	1.70E-11	R	ITGLELGAD E	
2079,169	-0,0146	1	81,84	1.80E-07	M	PGIPSSGVL R	
2079,169	-0,0063	1	65,8	1.00E-05	M	PGIPSSGVL R	
2098,06	-0,0122	1	39,82	0,011	E	ILQEVWGY' V	
2098,06	-0,0099	1	44,33	0,0038	E	ILQEVWGY' V	
2164,185	-0,0109	2	51,53	0,00063	R	LRAKLEEDF G	
2235,27	-0,0126	2	37,58	0,0031	M	PGIPSSGVL Q	
2314,134	-0,0171	1	42,04	0,0058	R	SEILQEVW( V	
2314,134	-0,013	1	48,65	0,0013	R	SEILQEVW( V	

2314,134	-0,0094	1	75,77	2.70E-06	R	SEILQEVWCV	
2314,134	-0,0087	1	75,03	3.20E-06	R	SEILQEVWCV	
2314,134	-0,0072	1	68,17	1.50E-05	R	SEILQEVWCV	
2314,134	-0,0054	1	78,67	1.40E-06	R	SEILQEVWCV	
2314,134	-0,0043	1	107,49	1.80E-09	R	SEILQEVWCV	
2646,391	-0,0023	1	89,03	6.00E-08	R	ITGLELGAD I	
2774,449	0,0018	1	138,17	7.10E-13	A	LGDVADRI TE	
2774,449	0,0052	1	128,69	6.20E-12	A	LGDVADRI TE	
2845,486	0,0012	1	72,53	5.70E-06	T	ALGDVADR E	
3513,879	-0,0087	1	181,09	2.40E-17	I	PIIMLTALGI E	
3513,879	-0,0047	1	195,1	9.30E-19	I	PIIMLTALGI E	
3958,065	-0,0052	1	135,37	1.00E-12	K	ESDIPIMLT E	
3958,065	-0,0014	1	145,55	9.50E-14	K	ESDIPIMLT E	
911,544	-0,0134	0	38,88	0,0039	A	PELLATLR A	
998,5913	-0,0145	0	44,31	0,0028	I	PGLILFSPR A	
998,5913	-0,0128	0	44,31	0,0026	I	PGLILFSPR A	
1111,675	-0,0138	0	36,7	0,0059	R	IPGLILFSPR A	
1111,675	-0,0136	0	42,9	0,0014	R	IPGLILFSPR A	
1111,675	-0,0127	0	43,44	0,0013	R	IPGLILFSPR A	
1111,675	-0,0124	0	55,99	5.90E-05	R	IPGLILFSPR A	
1111,675	-0,0119	0	70,97	1.90E-06	R	IPGLILFSPR A	
1111,675	-0,0117	0	63,33	1.10E-05	R	IPGLILFSPR A	
1111,675	-0,011	0	43,79	0,00097	R	IPGLILFSPR A	
1200,599	-0,0094	0	41,71	0,0067	Y	SRPLLDDEI K	
1353,635	-0,0076	0	48,19	0,0005	K	ACEEAGIPF R	
1353,635	-0,0073	0	49,98	0,00033	K	ACEEAGIPF R	
1353,635	-0,006	0	42,51	0,0019	K	ACEEAGIPF R	
1363,662	-0,0076	0	59,27	5.80E-05	F	YSRPLDDI K	
1482,798	-0,0025	1	56,39	0,00021	E	AAIAEAGQI F	
1509,736	-0,004	1	52,24	0,00027	K	ACEEAGIPF T	
1562,758	-0,0003	0	93,04	5.00E-08	E	TGASDSWI T	
1611,84	-0,0002	1	91,56	3.60E-08	I	EAAIAEAGC F	
1611,84	0,0023	1	58,95	6.60E-05	I	EAAIAEAGC F	
1625,757	-0,0026	0	51,91	0,00021	L	DFYSRPLLC K	
1654,835	-0,0086	0	99,43	1.20E-08	R	QAIEAAIAE I	
1654,835	-0,0069	0	107,75	1.80E-09	R	QAIEAAIAE I	
1654,835	-0,0066	0	60,08	0,0001	R	QAIEAAIAE I	
1654,835	-0,0035	0	81,1	8.20E-07	R	QAIEAAIAE I	
1654,835	-0,003	0	73,19	5.20E-06	R	QAIEAAIAE I	
1654,835	-0,0026	0	116,53	2.40E-10	R	QAIEAAIAE I	
1654,835	-0,0024	0	98,02	1.70E-08	R	QAIEAAIAE I	
1654,835	-0,0023	0	89,73	1.20E-07	R	QAIEAAIAE I	
1654,835	-0,0021	0	61,95	7.10E-05	R	QAIEAAIAE I	
1654,835	0	0	99,79	1.10E-08	R	QAIEAAIAE I	
1654,835	0,0021	0	111,92	7.10E-10	R	QAIEAAIAE I	
1654,835	0,0046	0	78,8	1.50E-06	R	QAIEAAIAE I	
1670,83	-0,009	0	47,84	0,0018	R	QAIEAAIAE I	Oxidation (I
1670,83	-0,0078	0	81,37	7.80E-07	R	QAIEAAIAE I	Oxidation (I

1670,83	-0,0077	0	53,37	0,00049	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0071	0	80,83	8.90E-07	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0064	0	50,8	0,0009	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0063	0	66,23	2.60E-05	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0061	0	80,93	8.70E-07	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0037	0	67	2.20E-05	R	QAIEAAIAE/ I	Oxidation (I
1670,83	-0,0031	0	47,26	0,0021	R	QAIEAAIAE/ I	Oxidation (I
1694,794	-0,0037	0	43,55	0,0029	R	LENFYPPQ L	
1724,924	-0,0055	1	51,38	0,00067	A	IEAAIAEAG( F	
1724,924	-0,0021	1	65	2.70E-05	A	IEAAIAEAG( F	
1738,841	-0,0039	0	62,09	5.60E-05	E	LDFYSRPLL K	
1738,841	-0,0015	0	67,63	1.60E-05	E	LDFYSRPLL K	
1782,836	-0,0074	0	48,38	0,00096	Y	SQYCPSS` Q	
1804,884	-0,0081	0	153,7	4.30E-14	R	LETGASDS\ T	
1804,884	-0,0051	0	136,44	2.30E-12	R	LETGASDS\ T	
1804,884	-0,0051	0	128,79	1.30E-11	R	LETGASDS\ T	
1804,884	-0,0039	0	115,42	2.90E-10	R	LETGASDS\ T	
1804,884	-0,0039	0	90,33	9.40E-08	R	LETGASDS\ T	
1804,884	-0,0036	0	175,05	3.20E-16	R	LETGASDS\ T	
1804,884	-0,002	0	87,9	1.70E-07	R	LETGASDS\ T	
1804,884	-0,0015	0	148,88	1.30E-13	R	LETGASDS\ T	
1804,884	-0,0009	0	85,15	3.10E-07	R	LETGASDS\ T	
1804,884	0,0004	0	121,4	7.50E-11	R	LETGASDS\ T	
1804,884	0,001	0	153,62	4.50E-14	R	LETGASDS\ T	
1804,884	0,002	0	95,88	2.60E-08	R	LETGASDS\ T	
1804,884	0,0024	0	98,79	1.40E-08	R	LETGASDS\ T	
1804,884	0,0025	0	115,35	3.00E-10	R	LETGASDS\ T	
1804,884	0,0032	0	119,8	1.10E-10	R	LETGASDS\ T	
1804,884	0,0035	0	93,15	5.20E-08	R	LETGASDS\ T	
1804,884	0,0036	0	144,38	3.90E-13	R	LETGASDS\ T	
1924,02	-0,0144	1	39,61	0,01	R	QAIEAAIAE/ F	
1924,02	-0,0116	1	85,34	1.40E-07	R	QAIEAAIAE/ F	
1924,02	-0,0108	1	51,95	0,00057	R	QAIEAAIAE/ F	
1924,02	-0,0087	1	60,66	8.00E-05	R	QAIEAAIAE/ F	
1924,02	-0,0085	1	64,24	1.90E-05	R	QAIEAAIAE/ F	
1924,02	-0,0085	1	42,56	0,0027	R	QAIEAAIAE/ F	
1924,02	-0,0076	1	109,36	1.10E-09	R	QAIEAAIAE/ F	
1924,02	-0,0051	1	43,9	0,0036	R	QAIEAAIAE/ F	
1924,02	-0,0036	1	100,37	4.50E-09	R	QAIEAAIAE/ F	
1924,02	-0,0029	1	82,88	2.50E-07	R	QAIEAAIAE/ F	
1940,015	-0,0117	1	50,53	0,00049	R	QAIEAAIAE/ F	Oxidation (I
1940,015	-0,0061	1	63,33	2.60E-05	R	QAIEAAIAE/ F	Oxidation (I
1945,899	-0,011	0	73,7	1.20E-06	R	YSQYCPSS` Q	
1945,899	-0,0082	0	111,59	1.80E-10	R	YSQYCPSS` Q	
1945,899	-0,0079	0	118,62	3.80E-11	R	YSQYCPSS` Q	
1945,899	-0,0072	0	41,26	0,0021	R	YSQYCPSS` Q	
1945,899	-0,0051	0	60,51	2.50E-05	R	YSQYCPSS` Q	
1945,899	-0,0047	0	97,83	4.60E-09	R	YSQYCPSS` Q	

1945,899	-0,0038	0	84,44	1.10E-07	R	YSQYCPSS` Q
1945,899	-0,0038	0	118	4.70E-11	R	YSQYCPSS` Q
1945,899	-0,0033	0	99,55	3.30E-09	R	YSQYCPSS` Q
2311,101	-0,0104	0	49,9	0,00073	M	GVTWELDF K
2311,101	-0,0081	0	101,54	5.20E-09	M	GVTWELDF K
2311,101	-0,0043	0	60,3	7.20E-05	M	GVTWELDF K
2314,217	-0,0111	0	48,58	0,00076	K	LASSTSVQ\ G
2642,366	-0,0021	1	96,95	1.10E-08	K	LASSTSVQ\ G
2642,366	-0,0018	1	75,44	1.50E-06	K	LASSTSVQ\ G
2642,366	0,0033	1	65,3	1.60E-05	K	LASSTSVQ\ G
3055,472	-0,008	1	77,52	1.50E-06	R	TYVLEQWL\ L
3268,537	-0,0134	1	50,69	0,00054	R	LETGASDS\ K
3268,537	0,001	1	76,87	1.50E-06	R	LETGASDS\ K
3268,537	0,0096	1	52,33	0,00043	R	LETGASDS\ K
981,6223	-0,0093	1	58,1	1.20E-05	D	VGIPIKDLK H
1096,649	-0,0088	1	40,12	0,0038	Q	DVGIPIKDL\ H
1096,649	-0,008	1	36,09	0,0073	Q	DVGIPIKDL\ H
1096,649	-0,0076	1	40,16	0,0029	Q	DVGIPIKDL\ H
1123,587	-0,0105	0	39,56	0,0042	K	HLPATEES\ I
1123,587	-0,008	0	50,03	0,00036	K	HLPATEES\ I
1123,587	-0,008	0	49,24	0,00043	K	HLPATEES\ I
1123,587	-0,0077	0	35,57	0,01	K	HLPATEES\ I
1123,587	-0,0064	0	38,25	0,0054	K	HLPATEES\ I
1191,625	-0,0071	1	38,6	0,0069	F	PHPNIEKTE I
1191,625	-0,0069	1	48,57	0,00069	F	PHPNIEKTE I
1209,578	-0,0153	0	40,49	0,0029	L	DNFPHPN\ I T
1209,578	-0,0135	0	36,02	0,0087	L	DNFPHPN\ I T
1224,708	-0,0058	1	37,7	0,0073	F	QDVGIPIKD H
1224,708	-0,0054	1	80,85	3.50E-07	F	QDVGIPIKD H
1224,708	-0,0052	1	87,74	7.20E-08	F	QDVGIPIKD H
1284,61	-0,0115	0	54,27	0,00025	S	PEYELHDG\ E
1316,668	-0,0001	1	42,96	0,0059	L	TKLENDQS\ I
1322,662	-0,0104	0	40,99	0,0078	T	LDNFPHPN T
1322,662	-0,0052	0	47,1	0,002	T	LDNFPHPN T
1338,693	-0,0039	1	52,7	0,00051	N	FPHPNIEKT I
1371,642	-0,0087	0	85,84	8.30E-08	I	SPEYELHDG\ E
1371,776	-0,005	1	40,83	0,0032	Y	FQDVGIPIK H
1371,776	-0,0021	1	74,25	1.30E-06	Y	FQDVGIPIK H
1423,71	-0,0141	0	72,06	2.80E-06	S	TLDNFPHPI T
1423,71	-0,0097	0	66,41	1.00E-05	S	TLDNFPHPI T
1423,71	-0,006	0	54,44	0,00017	S	TLDNFPHPI T
1423,71	-0,0025	0	46,45	0,001	S	TLDNFPHPI T
1508,711	-0,0008	0	39,71	0,0081	I	DTINAYNQ\ C
1510,742	-0,0147	0	95,15	2.80E-08	I	STLDNFPHI T
1510,742	-0,0124	0	50,31	0,00089	I	STLDNFPHI T
1510,742	-0,0089	0	53,61	0,00042	I	STLDNFPHI T
1510,742	-0,0076	0	41,27	0,0075	I	STLDNFPHI T
1541,747	-0,0018	0	40,01	0,0044	D	GISPEYELH E

1567,763	-0,0076	1	66,87	9.00E-06	L	DNFPHPNII I
1567,763	-0,0076	1	63,29	2.00E-05	L	DNFPHPNII I
1567,763	-0,0075	1	66,3	1.00E-05	L	DNFPHPNII I
1567,763	-0,003	1	47,46	0,0008	L	DNFPHPNII I
1567,763	-0,0024	1	86,83	9.10E-08	L	DNFPHPNII I
1621,795	0,0013	0	44,86	0,0017	I	IDTINAYNQ C
1623,826	-0,0099	0	96,59	1.10E-08	A	ISTLDNFPH T
1623,826	-0,009	0	58,36	7.40E-05	A	ISTLDNFPH T
1623,826	-0,0089	0	84,15	2.00E-07	A	ISTLDNFPH T
1623,826	-0,0081	0	98,5	6.90E-09	A	ISTLDNFPH T
1623,826	-0,0069	0	83,71	2.00E-07	A	ISTLDNFPH T
1623,826	-0,0061	0	86,45	1.10E-07	A	ISTLDNFPH T
1623,826	-0,0061	0	77,67	8.00E-07	A	ISTLDNFPH T
1623,826	-0,0042	0	67,55	8.40E-06	A	ISTLDNFPH T
1623,826	-0,0037	0	52,3	0,00028	A	ISTLDNFPH T
1663,882	-0,0013	1	88,98	6.10E-08	R	EYFQDVGIF H
1663,882	-0,0007	1	87,48	8.70E-08	R	EYFQDVGIF H
1663,882	-0,0006	1	87,13	9.40E-08	R	EYFQDVGIF H
1663,882	-0,0005	1	71,02	3.80E-06	R	EYFQDVGIF H
1663,882	0,0026	1	56,19	0,00011	R	EYFQDVGIF H
1663,882	0,0037	1	45,32	0,0013	R	EYFQDVGIF H
1680,847	-0,009	1	67,42	1.90E-05	T	LDNFPHPN I
1714,885	-0,0117	1	77,3	1.10E-06	L	PTSLTKLEN I
1734,879	-0,0173	0	57,41	0,00021	R	IIDTINAYNC C
1734,879	-0,0082	0	71,91	7.60E-06	R	IIDTINAYNC C
1734,879	-0,0072	0	101,13	9.30E-09	R	IIDTINAYNC C
1734,879	-0,0072	0	116,79	2.50E-10	R	IIDTINAYNC C
1734,879	-0,0066	0	53,95	0,00049	R	IIDTINAYNC C
1734,879	-0,0065	0	68,44	1.70E-05	R	IIDTINAYNC C
1734,879	-0,0065	0	48,11	0,0019	R	IIDTINAYNC C
1734,879	-0,0064	0	108,8	1.60E-09	R	IIDTINAYNC C
1734,879	-0,0062	0	59,46	0,00013	R	IIDTINAYNC C
1734,879	-0,0062	0	42,17	0,0072	R	IIDTINAYNC C
1734,879	-0,0059	0	93,43	5.40E-08	R	IIDTINAYNC C
1734,879	-0,0058	0	112,01	7.40E-10	R	IIDTINAYNC C
1734,879	-0,0056	0	93,68	5.00E-08	R	IIDTINAYNC C
1734,879	-0,0056	0	70,01	1.20E-05	R	IIDTINAYNC C
1734,879	-0,0054	0	78,63	1.60E-06	R	IIDTINAYNC C
1734,879	-0,0053	0	70,96	9.40E-06	R	IIDTINAYNC C
1734,879	-0,0052	0	87,88	1.90E-07	R	IIDTINAYNC C
1734,879	-0,005	0	91,1	9.10E-08	R	IIDTINAYNC C
1734,879	-0,0049	0	81,32	8.60E-07	R	IIDTINAYNC C
1734,879	-0,0046	0	49,59	0,0013	R	IIDTINAYNC C
1734,879	-0,0045	0	77,23	2.20E-06	R	IIDTINAYNC C
1734,879	-0,0042	0	40,03	0,012	R	IIDTINAYNC C
1734,879	-0,0042	0	60,87	9.70E-05	R	IIDTINAYNC C
1734,879	-0,0042	0	102,65	6.40E-09	R	IIDTINAYNC C
1734,879	-0,0042	0	105,65	3.20E-09	R	IIDTINAYNC C

1734,879	-0,0041	0	40,3	0,011	R	IIDTINAYNC C
1734,879	-0,0039	0	103,98	4.70E-09	R	IIDTINAYNC C
1734,879	-0,0023	0	81,68	8.00E-07	R	IIDTINAYNC C
1734,879	-0,0021	0	66,23	2.80E-05	R	IIDTINAYNC C
1734,879	-0,0007	0	42,77	0,0062	R	IIDTINAYNC C
1734,879	0,0021	0	52,11	0,00072	R	IIDTINAYNC C
1781,895	-0,0122	1	42,45	0,0029	S	TLDNFPHPI I
1781,895	-0,0087	1	42,52	0,0029	S	TLDNFPHPI I
1781,895	-0,008	1	42,28	0,0032	S	TLDNFPHPI I
1781,895	-0,0078	1	41,31	0,004	S	TLDNFPHPI I
1781,895	-0,0052	1	39,86	0,0052	S	TLDNFPHPI I
1827,969	-0,013	1	141,22	8.50E-13	K	LPTSLTKLEI I
1827,969	-0,013	1	120,85	9.20E-11	K	LPTSLTKLEI I
1827,969	-0,0129	1	135,45	3.20E-12	K	LPTSLTKLEI I
1827,969	-0,0123	1	113,76	4.70E-10	K	LPTSLTKLEI I
1827,969	-0,0049	1	51,35	0,00041	K	LPTSLTKLEI I
1827,969	0,0012	1	92,95	2.80E-08	K	LPTSLTKLEI I
1868,927	-0,0088	1	67,23	9.90E-06	I	STLDNFPHI I
1982,011	-0,0145	1	78,6	7.70E-07	A	ISTLDNFPH I
1982,011	-0,0063	1	75,65	1.50E-06	A	ISTLDNFPH I
1196,608	-0,006	0	51,38	0,00066	R	SLDVFAPG I E
1224,683	-0,0033	1	50,52	0,00055	I	NIGIPEADR I
1224,683	-0,0026	1	50,34	0,00055	I	NIGIPEADR I
1224,683	-0,001	1	37,1	0,011	I	NIGIPEADR I
1257,639	-0,0087	1	59,92	5.00E-05	V	FAPGTYKEF L
1257,639	-0,0055	1	46,34	0,0012	V	FAPGTYKEF L
1337,767	-0,0075	1	66,57	5.70E-06	T	INIGIPEADF I
1337,767	-0,0043	1	33,93	0,0096	T	INIGIPEADF I
1337,767	0,0005	1	45,88	0,00054	T	INIGIPEADF I
1337,767	0,001	1	59,36	2.40E-05	T	INIGIPEADF I
1337,767	0,0018	1	47,34	0,00039	T	INIGIPEADF I
1337,767	0,0023	1	57,54	3.70E-05	T	INIGIPEADF I
1345,673	-0,0059	0	45,35	0,0016	L	SSVQEVDG E
1360,727	-0,0069	1	86,27	2.60E-07	I	PTSKEMVD G
1438,814	0,0003	1	42,03	0,0028	A	TINIGIPEAD I
1458,757	-0,0142	0	40,59	0,01	K	LSSVQEVD I E
1458,757	-0,0094	0	47,66	0,0021	K	LSSVQEVD I E
1458,757	-0,009	0	102,55	6.70E-09	K	LSSVQEVD I E
1458,757	-0,0086	0	84,65	4.20E-07	K	LSSVQEVD I E
1458,757	-0,0086	0	97,57	2.10E-08	K	LSSVQEVD I E
1458,757	-0,0085	0	85,59	3.30E-07	K	LSSVQEVD I E
1458,757	-0,0084	0	88,62	1.70E-07	K	LSSVQEVD I E
1458,757	-0,0079	0	101,31	8.90E-09	K	LSSVQEVD I E
1458,757	-0,0079	0	81,26	9.00E-07	K	LSSVQEVD I E
1458,757	-0,0078	0	77,36	2.20E-06	K	LSSVQEVD I E
1458,757	-0,0078	0	73,7	5.10E-06	K	LSSVQEVD I E
1458,757	-0,0073	0	75,3	3.60E-06	K	LSSVQEVD I E
1458,757	-0,0073	0	99,53	1.40E-08	K	LSSVQEVD I E

1458,757	-0,0072	0	42,52	0,0067	K	LSSVQEVDI E	
1458,757	-0,0065	0	81,41	8.90E-07	K	LSSVQEVDI E	
1458,757	-0,0064	0	47,61	0,0021	K	LSSVQEVDI E	
1458,757	-0,0064	0	111,28	9.20E-10	K	LSSVQEVDI E	
1458,757	-0,0058	0	67,23	2.30E-05	K	LSSVQEVDI E	
1458,757	-0,0058	0	46,67	0,0027	K	LSSVQEVDI E	
1458,757	-0,0058	0	86,92	2.50E-07	K	LSSVQEVDI E	
1458,757	-0,0056	0	69,64	1.30E-05	K	LSSVQEVDI E	
1458,757	-0,0048	0	98,45	1.70E-08	K	LSSVQEVDI E	
1458,757	-0,0046	0	44,55	0,0043	K	LSSVQEVDI E	
1458,757	-0,0045	0	81,2	9.30E-07	K	LSSVQEVDI E	
1458,757	-0,0045	0	95,14	3.70E-08	K	LSSVQEVDI E	
1458,757	-0,0039	0	64,88	3.90E-05	K	LSSVQEVDI E	
1458,757	-0,0032	0	44,18	0,0047	K	LSSVQEVDI E	
1458,757	-0,0021	0	45,74	0,0032	K	LSSVQEVDI E	
1459,679	-0,0058	0	87,64	5.50E-08	Q	PADDESTIA M	
1471,735	-0,0032	1	40,23	0,005	L	DVFAPGTYI L	
1509,852	-0,0055	1	56,45	7.20E-05	M	ATINIGIPEA I	
1509,852	-0,0033	1	53,45	0,00015	M	ATINIGIPEA I	
1509,852	-0,002	1	66,41	6.60E-06	M	ATINIGIPEA I	
1509,852	-0,0015	1	59,6	3.20E-05	M	ATINIGIPEA I	
1509,852	0	1	73,36	1.40E-06	M	ATINIGIPEA I	
1530,833	-0,0047	1	53,68	0,00037	D	GIPTSKEMV G	
1551,862	-0,0072	1	49,3	0,00042	M	ATINIGIPEA I	Acetyl (N-te
1551,862	-0,0062	1	64,61	1.20E-05	M	ATINIGIPEA I	Acetyl (N-te
1551,862	-0,0041	1	34,7	0,012	M	ATINIGIPEA I	Acetyl (N-te
1551,862	-0,0019	1	75,31	1.00E-06	M	ATINIGIPEA I	Acetyl (N-te
1551,862	-0,0014	1	79,01	3.90E-07	M	ATINIGIPEA I	Acetyl (N-te
1640,83	-0,0139	1	44,67	0,0017	K	GHETIVQSC C	
1640,83	-0,0112	1	48,04	0,00077	K	GHETIVQSC C	
1640,83	-0,01	1	64,99	3.60E-05	K	GHETIVQSC C	
1640,83	-0,0095	1	58,08	0,00018	K	GHETIVQSC C	
1671,851	-0,0019	1	58,39	9.00E-05	R	SLDVFAPGI L	
1671,851	-0,0017	1	51,65	0,00043	R	SLDVFAPGI L	
1671,851	-0,0014	1	42,64	0,0034	R	SLDVFAPGI L	
1671,851	0,0033	1	63,15	3.10E-05	R	SLDVFAPGI L	
1739,828	-0,0036	0	34,69	0,014	Q	THNFHWN\ D	
1746,821	-0,0053	1	57	0,00013	Q	PADDESTIA V	
1834,8	-0,025	0	39,45	0,0013	K	CSQPADDE M	
1834,8	-0,0112	0	119,94	1.60E-11	K	CSQPADDE M	
1834,8	-0,0096	0	102,13	1.00E-09	K	CSQPADDE M	
1834,8	-0,0093	0	95,39	4.90E-09	K	CSQPADDE M	
1834,8	-0,0092	0	77,2	3.20E-07	K	CSQPADDE M	
1834,8	-0,0092	0	94,48	6.10E-09	K	CSQPADDE M	
1834,8	-0,0081	0	121,16	1.40E-11	K	CSQPADDE M	
1834,8	-0,0067	0	149,33	2.20E-14	K	CSQPADDE M	
1834,8	-0,0062	0	78,4	2.80E-07	K	CSQPADDE M	
1834,8	-0,0038	0	100,42	1.80E-09	K	CSQPADDE M	



1941,036	-0,0097	2	40,43	0,0052	R	IRSLDVFAP L
2121,942	-0,0092	1	50,73	0,00028	K	CSQPADDE V
2121,942	-0,0035	1	40,76	0,0029	K	CSQPADDE V
2121,942	0,0003	1	107,36	6.90E-10	K	CSQPADDE V
2151,226	-0,008	2	47,77	0,00031	M	ATINIGIPEA K
2240,086	-0,0076	2	56,45	0,0001	Q	PADDESTIA T
2388,246	-0,0188	1	104,45	2.10E-09	K	LSSVQEVDI G
2388,246	-0,0066	1	78,87	7.40E-07	K	LSSVQEVDI G
2388,246	-0,005	1	58,75	7.40E-05	K	LSSVQEVDI G
2737,304	-0,0064	0	63,47	3.80E-05	A	DTYTLYLQ T D
2808,341	-0,0039	0	101,29	3.20E-09	L	ADTYTLYLQ D
2808,341	-0,0012	0	78,44	6.30E-07	L	ADTYTLYLQ D
2921,425	-0,0105	0	70,55	4.10E-06	L	LADTYTLYL D
2921,425	0,003	0	74,86	1.60E-06	L	LADTYTLYL D
3002,481	0,0037	1	51,32	0,00038	R	DLHLMFEEI S
3034,509	-0,0018	0	122,27	6.60E-11	K	LLADTYTLYI D
3034,509	0,0079	0	122,52	6.20E-11	K	LLADTYTLYI D
3162,604	0,0044	1	52,96	0,00026	K	KLLADTYTL D
934,6076	-0,0088	1	32,28	0,0016	R	IHAVLVRK S
934,6076	-0,0066	1	23,18	0,0084	R	IHAVLVRK S
934,6076	-0,0054	1	23,73	0,0068	R	IHAVLVRK S
1719,773	-0,0037	0	51	0,00017	D	GDEDEGQS K
1719,773	-0,0018	0	49,73	0,00023	D	GDEDEGQS K
1719,773	0,0022	0	34,07	0,009	D	GDEDEGQS K
1834,8	-0,0026	0	59,81	2.20E-05	I	DGDEDEGQ K
1847,868	-0,0033	1	51,45	0,00024	D	GDEDEGQS V
1858,042	-0,0237	1	65,52	2.00E-05	K	PLQEHLILIL E
1858,042	-0,0185	1	39,91	0,0065	K	PLQEHLILIL E
1947,884	-0,0051	0	43,17	0,0011	I	IDGDEDEGQ K
1962,895	0,0007	1	118,12	7.50E-11	I	DGDEDEGQ V
2060,968	-0,0139	0	60,47	5.00E-05	R	IIDGDEDEG C K
2060,968	-0,0114	0	47,96	0,00094	R	IIDGDEDEG C K
2060,968	-0,0111	0	43,97	0,0024	R	IIDGDEDEG C K
2060,968	-0,0096	0	76,62	1.30E-06	R	IIDGDEDEG C K
2060,968	-0,0069	0	53,51	0,00028	R	IIDGDEDEG C K
2060,968	-0,0065	0	115,51	1.80E-10	R	IIDGDEDEG C K
2060,968	-0,0051	0	54,57	0,00023	R	IIDGDEDEG C K
2060,968	-0,0047	0	49,87	0,00068	R	IIDGDEDEG C K
2060,968	-0,0045	0	143,26	3.10E-13	R	IIDGDEDEG C K
2060,968	-0,0044	0	69,36	7.80E-06	R	IIDGDEDEG C K
2060,968	-0,0044	0	181,15	5.10E-17	R	IIDGDEDEG C K
2060,968	-0,0041	0	175,2	2.00E-16	R	IIDGDEDEG C K
2060,968	-0,0041	0	57,76	0,00011	R	IIDGDEDEG C K
2060,968	-0,0039	0	53,65	0,00029	R	IIDGDEDEG C K
2060,968	0,0001	0	92,02	4.40E-08	R	IIDGDEDEG C K
2060,968	0,0001	0	87,9	1.10E-07	R	IIDGDEDEG C K
2060,968	0,0063	0	105,75	2.10E-09	R	IIDGDEDEG C K
2075,979	0,0067	1	40,92	0,0036	I	IDGDEDEGQ V

2076,963	-0,0099	0	57,12	9.30E-05	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,006	0	43,85	0,0022	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0053	0	74,75	1.80E-06	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0048	0	89,63	5.80E-08	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0038	0	72,71	3.00E-06	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0034	0	36,34	0,013	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0025	0	46,94	0,0011	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0007	0	37,32	0,011	R	IIDGDEDG C K	Oxidation (I
2076,963	-0,0002	0	154,1	2.20E-14	R	IIDGDEDG C K	Oxidation (I
2076,963	0	0	81,53	4.00E-07	R	IIDGDEDG C K	Oxidation (I
2076,963	0,0026	0	75,77	1.60E-06	R	IIDGDEDG C K	Oxidation (I
2076,963	0,0031	0	73,19	2.90E-06	R	IIDGDEDG C K	Oxidation (I
2076,963	0,0112	0	151,29	5.00E-14	R	IIDGDEDG C K	Oxidation (I
2085,158	-0,0165	0	91,9	2.40E-08	D	PSAKPLQE I R	
2085,158	-0,0149	0	63,06	1.70E-05	D	PSAKPLQE I R	
2189,063	-0,0148	1	162,14	2.70E-15	R	IIDGDEDG C V	
2189,063	-0,0113	1	148,51	6.50E-14	R	IIDGDEDG C V	
2189,063	0,0081	1	39,83	0,011	R	IIDGDEDG C V	
2205,058	-0,0115	1	44,56	0,0015	R	IIDGDEDG C V	Oxidation (I
2205,058	-0,0095	1	97,78	7.50E-09	R	IIDGDEDG C V	Oxidation (I
2241,259	-0,0056	1	32,11	0,013	D	PSAKPLQE I E	
2241,259	0,0038	1	77,63	3.30E-07	D	PSAKPLQE I E	
2287,217	-0,0233	0	95,45	2.80E-08	M	SDPSAKPL C R	
2287,217	-0,0164	0	95,19	3.00E-08	M	SDPSAKPL C R	
2334,2	-0,0035	0	76,95	1.10E-06	K	VQEHI IQT G Y	
2334,2	-0,0024	0	80,27	5.00E-07	K	VQEHI IQT G Y	
2334,2	-0,0001	0	54,01	0,00021	K	VQEHI IQT G Y	
2443,318	0,0002	1	100,12	9.00E-09	M	SDPSAKPL C E	
2462,295	-0,0074	1	65,06	1.60E-05	K	KVQEHI IQT Y	
2462,295	-0,005	1	47,8	0,00084	K	KVQEHI IQT Y	
2478,29	-0,0068	1	50,35	0,0005	K	KVQEHI IQT Y	Oxidation (I
2478,29	-0,0057	1	93,15	2.60E-08	K	KVQEHI IQT Y	Oxidation (I
2478,29	-0,0049	1	98,08	8.20E-09	K	KVQEHI IQT Y	Oxidation (I
3153,452	-0,0095	1	210,38	2.10E-20	K	SSDDVQAA K	
3153,452	-0,0076	1	179,31	2.70E-17	K	SSDDVQAA K	
3153,452	-0,0047	1	143,46	1.10E-13	K	SSDDVQAA K	
3169,447	-0,0097	1	68,22	6.30E-06	K	SSDDVQAA K	Oxidation (I
3169,447	-0,005	1	120,91	3.60E-11	K	SSDDVQAA K	Oxidation (I
3169,447	0,0012	1	47,33	0,00086	K	SSDDVQAA K	Oxidation (I
948,5215	-0,0111	0	48,24	0,0011	A	PAPAPM P I F G	
1116,611	-0,0125	0	38,61	0,013	A	PAPAPM P G	
1138,588	-0,0138	0	38,44	0,013	Y	SAAHPTWL L	
1138,588	-0,0111	0	49,23	0,0011	Y	SAAHPTWL L	
1138,588	-0,011	0	41,57	0,0064	Y	SAAHPTWL L	
1138,588	-0,0101	0	48,38	0,0013	Y	SAAHPTWL L	
1138,588	-0,0074	0	40,14	0,0086	Y	SAAHPTWL L	
1187,649	-0,0058	0	48,43	0,00075	V	APAPAPM P I G	
1301,652	-0,0109	0	51,95	0,0003	F	YSAHPTWL L	

1301,652	-0,0106	0	52,07	0,00029	F	YSAAHPTW L	
1301,652	-0,0103	0	46,28	0,0011	F	YSAAHPTW L	
1301,652	-0,0102	0	42,7	0,0025	F	YSAAHPTW L	
1301,652	-0,0099	0	35,28	0,014	F	YSAAHPTW L	
1301,652	-0,009	0	54,58	0,00017	F	YSAAHPTW L	
1301,652	-0,0081	0	45,46	0,0014	F	YSAAHPTW L	
1301,652	-0,0057	0	42,88	0,0027	F	YSAAHPTW L	
1308,61	-0,0121	0	59,75	6.20E-05	Q	PVFDDNGN T	
1383,77	-0,007	0	69,39	5.70E-06	A	PVAPAPAP/ G	
1383,77	-0,004	0	65,82	1.30E-05	A	PVAPAPAP/ G	
1383,77	-0,0024	0	68,74	7.10E-06	A	PVAPAPAP/ G	
1419,682	-0,0065	0	72,28	2.50E-06	D	PEQMSFDC V	
1419,682	-0,0024	0	74,62	1.50E-06	D	PEQMSFDC V	
1419,682	0,0004	0	83,82	1.90E-07	D	PEQMSFDC V	
1419,682	0,0121	0	47,05	0,0011	D	PEQMSFDC V	
1435,677	-0,0088	0	76,3	8.30E-07	D	PEQMSFDC V	Oxidation (I
1435,677	-0,0032	0	73,77	1.50E-06	D	PEQMSFDC V	Oxidation (I
1436,668	-0,006	0	60,09	6.40E-05	L	QPVFDDNG T	
1448,72	-0,0061	0	51,18	0,00084	D	FYSAAHPTV L	
1448,72	-0,0039	0	81,59	7.70E-07	D	FYSAAHPTV L	
1448,72	-0,0027	0	50,02	0,0011	D	FYSAAHPTV L	
1551,86	0,0006	0	77,31	6.20E-07	A	PAPVAPAP/ G	
1551,86	0,0016	0	54,01	0,00012	A	PAPVAPAP/ G	
1563,747	-0,0037	0	53,41	0,00021	T	DFYSAAHP L	
1563,747	0,0005	0	51,01	0,00036	T	DFYSAAHP L	
1631,761	-0,0091	0	51,19	0,00023	L	PDPEQMSF V	
1631,761	-0,0062	0	120,87	2.50E-11	L	PDPEQMSF V	
1647,756	-0,0091	0	36,69	0,0056	L	PDPEQMSF V	Oxidation (I
1647,756	-0,0026	0	84,38	1.10E-07	L	PDPEQMSF V	Oxidation (I
1664,795	-0,0187	0	34,32	0,014	R	TDFYSAAHF L	
1664,795	-0,0179	0	43,96	0,0029	R	TDFYSAAHF L	
1664,795	-0,0159	0	49,14	0,00046	R	TDFYSAAHF L	
1664,795	-0,0049	0	66,49	1.90E-05	R	TDFYSAAHF L	
1664,795	-0,0009	0	48,91	0,0011	R	TDFYSAAHF L	
1664,795	0,0014	0	59,56	9.90E-05	R	TDFYSAAHF L	
1664,795	0,0018	0	73,35	4.10E-06	R	TDFYSAAHF L	
1664,795	0,0021	0	98,54	1.20E-08	R	TDFYSAAHF L	
1664,795	0,0025	0	100,66	7.50E-09	R	TDFYSAAHF L	
1664,795	0,0038	0	91,94	5.70E-08	R	TDFYSAAHF L	
1709,929	-0,0103	0	38,53	0,0066	R	SAPAPVAP/ G	
1709,929	-0,0089	0	64,63	1.60E-05	R	SAPAPVAP/ G	
1709,929	-0,0082	0	100,4	4.30E-09	R	SAPAPVAP/ G	
1709,929	-0,0056	0	42,79	0,0025	R	SAPAPVAP/ G	
1709,929	-0,0051	0	51,21	0,00035	R	SAPAPVAP/ G	
1709,929	-0,0038	0	55,86	0,00012	R	SAPAPVAP/ G	
1709,929	-0,0036	0	63,73	1.90E-05	R	SAPAPVAP/ G	
1709,929	-0,0025	0	97,83	7.30E-09	R	SAPAPVAP/ G	
1709,929	-0,0018	0	94,67	1.50E-08	R	SAPAPVAP/ G	

1709,929	-0,0016	0	83,72	1.90E-07	R	SAPAPVAP/ G	
1709,929	-0,0014	0	99,06	5.50E-09	R	SAPAPVAP/ G	
1709,929	-0,0009	0	90,54	3.90E-08	R	SAPAPVAP/ G	
1709,929	0,0019	0	97,83	7.20E-09	R	SAPAPVAP/ G	
1725,924	-0,0092	0	40,4	0,0049	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,009	0	55,8	0,00014	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0088	0	42,62	0,0029	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0056	0	45,63	0,0014	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0038	0	103,9	2.10E-09	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0037	0	48,08	0,00082	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,003	0	38,17	0,0079	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0016	0	107,34	9.40E-10	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0011	0	38,39	0,0074	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,001	0	40	0,0051	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,001	0	51,45	0,00036	R	SAPAPVAP/ G	Oxidation (I
1725,924	-0,0001	0	43,98	0,002	R	SAPAPVAP/ G	Oxidation (I
1725,924	0,0006	0	55,29	0,00015	R	SAPAPVAP/ G	Oxidation (I
1766,95	-0,003	1	74,26	3.10E-06	R	SAPAPVAP/ L	
1880,034	-0,006	1	89,36	4.30E-08	R	SAPAPVAP/ W	
1880,034	-0,0006	1	54,14	0,00012	R	SAPAPVAP/ W	
1880,034	0,0013	1	90,83	2.80E-08	R	SAPAPVAP/ W	
1880,034	0,0021	1	96,54	7.30E-09	R	SAPAPVAP/ W	
1880,034	0,0061	1	115,28	9.30E-11	R	SAPAPVAP/ W	
1896,029	-0,0032	1	66,73	9.10E-06	R	SAPAPVAP/ W	Oxidation (I
1896,029	0,0016	1	45,59	0,0012	R	SAPAPVAP/ W	Oxidation (I
2066,114	0,0041	1	35,58	0,011	R	SAPAPVAP/ -	
2134,085	-0,0108	1	48,64	0,0015	R	TDFYSAAH/ E	
2134,085	-0,0105	1	48,76	0,0014	R	TDFYSAAH/ E	
2134,085	-0,0093	1	39,87	0,011	R	TDFYSAAH/ E	
2134,085	-0,009	1	91,05	8.40E-08	R	TDFYSAAH/ E	
2134,085	-0,0035	1	76,82	2.20E-06	R	TDFYSAAH/ E	
2445,109	-0,0144	0	67,03	3.10E-06	L	PGHDMYLF V	
2445,109	-0,0096	0	39,52	0,0019	L	PGHDMYLF V	
2700,279	-0,0251	1	34,05	0,011	L	PGHDMYLF G	
2955,394	-0,0049	1	86,26	7.80E-08	Q	PVFDDNGN L	
3316,543	-0,004	0	122,1	3.80E-11	R	IYHWDGAG T	
3316,543	0,0012	0	76,31	1.50E-06	R	IYHWDGAG T	
998,5873	-0,0065	1	46,97	0,0013	R	VKLNLEQR I	
1038,546	-0,0073	0	45	0,0029	R	IHTLDVADF I	
1038,546	-0,0063	0	39,47	0,01	R	IHTLDVADF I	
1122,701	-0,0102	1	51,38	8.50E-05	Q	VEIPKTPIVK I	
1250,76	-0,0069	1	63,97	6.20E-06	L	QVEIPKTPIN I	
1353,704	-0,0022	0	82,32	2.40E-07	T	PHVINFGVGR	
1353,704	0,0008	0	71,34	3.20E-06	T	PHVINFGVGR	
1357,647	-0,0069	1	52,43	0,0002	T	DDQSPVAE T	
1357,647	-0,0063	1	41,21	0,0027	T	DDQSPVAE T	
1363,844	-0,0069	1	44,6	0,00018	I	LQVEIPKTP I	
1363,844	-0,0055	1	49,58	5.70E-05	I	LQVEIPKTP I	

1363,844	-0,0046	1	24,97	0,012	I	LQVEIPKTP	I	
1412,752	-0,0125	1	52,83	0,00057	P	HVINFGSG	H	
1449,663	-0,009	0	80,56	2.30E-07	R	MIMDDDAV	N	
1449,663	-0,007	0	38,99	0,0036	R	MIMDDDAV	N	
1449,663	-0,0055	0	40,71	0,0024	R	MIMDDDAV	N	
1449,663	-0,0042	0	63,67	1.20E-05	R	MIMDDDAV	N	
1449,663	-0,0041	0	44,76	0,00094	R	MIMDDDAV	N	
1458,695	-0,0082	1	50,54	0,00063	F	TDDQSPVA	T	
1458,695	-0,0067	1	72,46	4.10E-06	F	TDDQSPVA	T	
1458,695	-0,0064	1	69,55	8.10E-06	F	TDDQSPVA	T	
1458,695	-0,0057	1	68,16	1.10E-05	F	TDDQSPVA	T	
1462,76	-0,0099	0	47,88	0,0018	H	VLPMPLSH	I	
1465,658	-0,007	0	69,81	2.40E-06	R	MIMDDDAV	N	Oxidation (I
1465,658	-0,007	0	35,05	0,0071	R	MIMDDDAV	N	Oxidation (I
1465,658	-0,0028	0	35,43	0,0074	R	MIMDDDAV	N	Oxidation (I
1465,658	-0,0004	0	63,76	1.10E-05	R	MIMDDDAV	N	Oxidation (I
1476,928	-0,002	1	66,39	5.20E-07	R	ILQVEIPKTF	I	
1476,928	-0,0015	1	36,6	0,00048	R	ILQVEIPKTF	I	
1476,928	-0,0012	1	52,33	1.30E-05	R	ILQVEIPKTF	I	
1481,653	-0,0082	0	45,13	0,00046	R	MIMDDDAV	N	2 Oxidation
1509,805	-0,0098	1	47,24	0,0017	T	PHVINFGSG	H	
1509,805	-0,0097	1	65,75	1.10E-05	T	PHVINFGSG	H	
1509,805	-0,0069	1	39,98	0,0044	T	PHVINFGSG	H	
1547,772	-0,0049	0	99,2	6.40E-09	R	ETPVELEFT	Q	
1547,772	-0,004	0	76,82	1.10E-06	R	ETPVELEFT	Q	
1547,772	-0,0026	0	50,33	0,0005	R	ETPVELEFT	Q	
1547,772	-0,0017	0	63,37	2.40E-05	R	ETPVELEFT	Q	
1547,772	0,0016	0	38,64	0,0074	R	ETPVELEFT	Q	
1547,772	0,0117	0	44,6	0,002	R	ETPVELEFT	Q	
1559,783	-0,0009	1	36,71	0,013	T	PVELEFTQV	-	
1564,701	-0,0111	0	43,04	0,0016	M	SFTDDQSP	K	
1564,701	-0,0091	0	59,27	3.80E-05	M	SFTDDQSP	K	
1564,701	-0,0036	0	53,37	0,00017	M	SFTDDQSP	K	
1568,795	-0,007	0	57,94	0,00017	K	NTPHVINFV	R	
1606,711	-0,0035	0	69,67	3.30E-06	M	SFTDDQSP	K	Acetyl (N-te
1656,841	-0,019	0	48,2	0,0016	R	GHVLPMP	L	I
1656,841	-0,0187	0	50,8	0,00087	R	GHVLPMP	L	I
1656,841	-0,0183	0	63,09	5.30E-05	R	GHVLPMP	L	I
1656,841	-0,017	0	58,18	0,00017	R	GHVLPMP	L	I
1656,841	-0,0163	0	57,13	0,00021	R	GHVLPMP	L	I
1656,841	-0,0154	0	52,7	0,00059	R	GHVLPMP	L	I
1656,841	-0,0151	0	62,78	5.70E-05	R	GHVLPMP	L	I
1656,841	-0,0094	0	66,6	2.40E-05	R	GHVLPMP	L	I
1656,841	-0,0067	0	64,22	4.30E-05	R	GHVLPMP	L	I
1657,825	0,0059	0	40,28	0,0052	G	HVLPMP	L	S
1672,836	-0,014	0	43,78	0,0023	R	GHVLPMP	L	I
1672,836	-0,0115	0	52,64	0,00029	R	GHVLPMP	L	I
1672,836	-0,0106	0	41,83	0,0036	R	GHVLPMP	L	I

1672,836	-0,0034	0	41,04	0,0045	R	GHVLP MPL I	Oxidation (I
1692,796	-0,0104	1	48,52	0,00078	M	SFTDDQSP' T	
1692,796	-0,0053	1	56,09	0,00017	M	SFTDDQSP' T	
1692,796	-0,0048	1	43,24	0,0034	M	SFTDDQSP' T	
1692,796	-0,0039	1	85,73	1.90E-07	M	SFTDDQSP' T	
1705,816	-0,006	1	37,29	0,0088	K	DFEGDVIEV L	
1708,972	0,0041	1	46,07	0,00086	H	TLDVADRIL T	
1724,896	-0,0148	1	40,48	0,0048	K	NTPHVINFV H	
1724,896	-0,0143	1	52,8	0,00027	K	NTPHVINFV H	
1724,896	-0,0109	1	58,94	6.80E-05	K	NTPHVINFV H	
1724,896	-0,0104	1	70,8	9.30E-06	K	NTPHVINFV H	
1724,896	-0,008	1	47,94	0,0018	K	NTPHVINFV H	
1734,806	-0,016	1	58,59	6.80E-05	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0151	1	54,04	0,0002	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0118	1	40,92	0,0043	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0117	1	46,9	0,0011	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0095	1	87,53	9.90E-08	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0092	1	73,48	2.50E-06	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0085	1	51,25	0,00042	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0083	1	70,38	5.20E-06	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0078	1	103,79	2.40E-09	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0077	1	103,6	2.50E-09	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0074	1	116,53	1.30E-10	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0071	1	38,55	0,0084	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0069	1	62,38	3.40E-05	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0067	1	64,39	2.20E-05	M	SFTDDQSP' T	Acetyl (N-te
1734,806	-0,0053	1	57,32	0,00011	M	SFTDDQSP' T	Acetyl (N-te
1746,967	-0,0094	1	37,75	0,011	R	VQGEEKIFF M	
1746,967	-0,0061	1	37,12	0,011	R	VQGEEKIFF M	
1746,967	0,001	1	64,99	1.70E-05	R	VQGEEKIFF M	
1746,967	0,015	1	35,48	0,011	R	VQGEEKIFF M	
1789,873	-0,0071	1	50,16	0,00045	R	ETPVELEFTI -	
1789,873	-0,0049	1	74,41	1.70E-06	R	ETPVELEFTI -	
1789,873	-0,0017	1	121,63	3.20E-11	R	ETPVELEFTI -	
1789,873	-0,0013	1	114,53	1.70E-10	R	ETPVELEFTI -	
1789,873	-0,0013	1	83,97	1.90E-07	R	ETPVELEFTI -	
1819,093	-0,0203	2	34,92	0,01	V	ADRILQVEII I	
1959,115	-0,0243	1	38,9	0,0035	R	IHTLDVADF T	
1959,115	-0,0077	1	55,75	8.50E-05	R	IHTLDVADF T	
1959,115	-0,0052	1	39,79	0,0031	R	IHTLDVADF T	
1959,115	-0,0038	1	98,61	4.00E-09	R	IHTLDVADF T	
1988,905	-0,0072	0	59,66	2.60E-05	K	TPSEGHWF R	
1988,905	-0,006	0	50,16	0,00023	K	TPSEGHWF R	
1988,905	-0,0055	0	88,42	5.90E-08	K	TPSEGHWF R	
1988,905	-0,0036	0	32,8	0,013	K	TPSEGHWF R	
2145,006	-0,0123	1	56,54	7.20E-05	K	TPSEGHWF V	
2146,154	-0,0054	2	58,7	0,00013	K	DGARVQGE M	
2247,32	-0,0084	2	92,63	3.90E-09	H	TLDVADRIL I	

2497,463	-0,0026	2	54,38	6.60E-05	R	IHTLDVADF I	
2497,463	-0,0014	2	62,77	9.60E-06	R	IHTLDVADF I	
2912,424	0,005	2	46,36	0,0012	I	MDDDAWQ H	
3000,447	-0,0149	1	79,62	4.60E-07	R	MIMDDDAV R	
1072,567	-0,0134	0	43,79	0,0047	I	PQLQFLGD L	
1072,567	-0,012	0	43,01	0,0059	I	PQLQFLGD L	
1072,567	-0,012	0	47,69	0,002	I	PQLQFLGD L	
1072,567	-0,0117	0	41,26	0,0088	I	PQLQFLGD L	
1072,567	-0,0104	0	41,96	0,0071	I	PQLQFLGD L	
1072,567	-0,0099	0	40,64	0,0093	I	PQLQFLGD L	
1113,53	-0,0134	0	75,87	6.00E-07	L	PLTEEDSAF -	
1157,645	-0,015	0	66,62	1.20E-05	V	PGSAPITLQ G	
1185,651	-0,0096	0	50,66	0,00051	A	IPQLQFLG L	
1226,614	-0,0166	0	39,76	0,009	F	LPLTEEDSA -	
1226,614	-0,0162	0	41,83	0,0055	F	LPLTEEDSA -	
1256,688	-0,0085	0	48,31	0,0016	R	AIPQLQFLG L	
1256,688	-0,0082	0	49,26	0,0013	R	AIPQLQFLG L	
1392,613	-0,0129	0	44,23	0,00092	K	ACTAEVMA F	
1392,613	-0,0106	0	34,99	0,008	K	ACTAEVMA F	
1392,613	-0,0101	0	74,4	9.50E-07	K	ACTAEVMA F	
1392,613	-0,0086	0	73,73	1.10E-06	K	ACTAEVMA F	
1392,613	-0,0084	0	94,04	1.10E-08	K	ACTAEVMA F	
1392,613	-0,0074	0	49,32	0,00033	K	ACTAEVMA F	
1392,613	-0,0071	0	77,93	4.50E-07	K	ACTAEVMA F	
1392,613	-0,006	0	81,84	1.90E-07	K	ACTAEVMA F	
1392,613	-0,0026	0	49,08	0,00039	K	ACTAEVMA F	
1408,608	-0,0134	0	39,98	0,0016	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0116	0	55,64	4.80E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0102	0	85,72	4.90E-08	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0085	0	86,34	4.60E-08	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0082	0	55,71	5.30E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0079	0	68,51	2.80E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0078	0	58,19	3.00E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0075	0	51,7	0,00014	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0075	0	52,72	0,00011	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0074	0	51,47	0,00014	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0074	0	57,13	3.90E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0072	0	53,56	9.20E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0071	0	55,87	5.40E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,007	0	69,47	2.40E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0069	0	85,04	6.60E-08	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0066	0	61,66	1.50E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0059	0	55,1	6.70E-05	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0059	0	72,28	1.30E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0057	0	81,35	1.60E-07	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0052	0	70,62	1.90E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0044	0	73,03	1.10E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0044	0	60,69	1.90E-05	K	ACTAEVMA F	Oxidation (I

1408,608	-0,0042	0	43,8	0,00093	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0023	0	72,72	1.30E-06	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0019	0	76,35	5.40E-07	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0009	0	77,78	3.90E-07	K	ACTAEVMA F	Oxidation (I
1408,608	-0,0001	0	42,48	0,0014	K	ACTAEVMA F	Oxidation (I
1520,708	-0,0065	1	63,82	2.60E-05	R	KACTAEVM. F	
1521,804	-0,0047	0	56,19	0,00011	Y	SIGNDGQL' D	
1521,804	-0,0041	0	53,04	0,00024	Y	SIGNDGQL' D	
1536,702	-0,011	1	58,37	6.70E-05	R	KACTAEVM. F	Oxidation (I
1536,702	-0,0073	1	41,18	0,0038	R	KACTAEVM. F	Oxidation (I
1536,702	-0,0061	1	67,8	8.20E-06	R	KACTAEVM. F	Oxidation (I
1536,702	-0,005	1	47,1	0,00097	R	KACTAEVM. F	Oxidation (I
1608,888	-0,0054	0	66,12	1.70E-05	W	PSAPVPGS/ G	
1608,888	-0,004	0	57,47	0,00012	W	PSAPVPGS/ G	
1758,922	-0,0006	1	43,14	0,0051	T	SGDGNLTIN A	
1922,904	-0,0014	0	96,25	1.80E-08	R	LMGQFTID( M	
1922,904	-0,0011	0	105,27	2.20E-09	R	LMGQFTID( M	
1938,899	-0,0078	0	37,49	0,01	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0048	0	121,69	4.00E-11	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0044	0	40,64	0,0051	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0041	0	58,41	8.50E-05	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0035	0	66,21	1.40E-05	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0027	0	71,8	4.00E-06	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0023	0	113,61	2.70E-10	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0011	0	47,27	0,0012	R	LMGQFTID( M	Oxidation (I
1938,899	-0,0008	0	46	0,0016	R	LMGQFTID( M	Oxidation (I
1943,984	-0,0004	0	68,78	8.30E-06	K	TEQLVFLPL -	
1988,985	-0,019	1	93,17	2.50E-08	I	PQLQFLGD L	
1988,985	-0,0178	1	47,01	0,001	I	PQLQFLGD L	
1988,985	-0,0153	1	40,81	0,0043	I	PQLQFLGD L	
1988,985	-0,0141	1	79,77	5.50E-07	I	PQLQFLGD L	
1988,985	-0,0123	1	111,87	3.40E-10	I	PQLQFLGD L	
1988,985	-0,0123	1	106,56	1.20E-09	I	PQLQFLGD L	
1988,985	-0,0121	1	80,82	4.40E-07	I	PQLQFLGD L	
1988,985	-0,012	1	93,04	2.60E-08	I	PQLQFLGD L	
1988,985	-0,0114	1	98,41	7.70E-09	I	PQLQFLGD L	
2173,106	-0,0133	1	64,82	3.70E-05	R	AIPQLQFLG L	
2811,506	-0,0199	0	81,24	5.30E-07	R	FLQLLPQVI D	
3287,584	0,0026	1	58,9	5.40E-05	R	LTGTAGCN' A	
3287,584	0,0045	1	164,07	1.60E-15	R	LTGTAGCN' A	
3430,617	-0,007	1	54,55	0,00023	R	DRLTGTAG( K	
4359,05	0,0031	0	55,83	6.00E-05	K	DGEQGSISI A	
1083,64	-0,0078	1	37,29	0,007	E	LGRAGVEA. D	
1083,64	-0,0062	1	47,56	0,00065	E	LGRAGVEA. D	
1109,56	-0,0099	0	35,89	0,011	L	TLLEEQSK N	
1109,56	-0,0059	0	34,86	0,012	L	TLLEEQSK N	
1168,645	-0,0114	1	64,39	3.10E-05	Y	PLLEKDELC A	
1168,645	-0,0084	1	64,43	3.00E-05	Y	PLLEKDELC A	



1168,645	-0,0033	1	63,8	3.40E-05	Y	PLLEKDELCA	
1212,683	-0,0069	1	64,55	2.70E-05	D	ELGRAGVED	
1222,645	-0,012	0	48,19	0,0016	L	LTLLEEQS N	
1222,645	-0,0045	0	45,18	0,0029	L	LTLLEEQS N	
1327,71	-0,0137	1	36,76	0,012	K	DELGRAGV D	
1327,71	-0,0063	1	40,02	0,0057	K	DELGRAGV D	
1327,71	-0,0058	1	37	0,012	K	DELGRAGV D	
1327,71	-0,0052	1	61,84	3.60E-05	K	DELGRAGV D	
1335,729	-0,0139	0	42,17	0,0024	R	LLTLLEEQ N	
1335,729	-0,0099	0	39,59	0,004	R	LLTLLEEQ N	
1335,729	-0,0098	0	44,99	0,0011	R	LLTLLEEQ N	
1335,729	-0,0093	0	55,27	0,00011	R	LLTLLEEQ N	
1335,729	-0,0087	0	64,68	1.30E-05	R	LLTLLEEQ N	
1335,729	-0,0081	0	54,07	0,00015	R	LLTLLEEQ N	
1335,729	-0,0076	0	56,2	9.20E-05	R	LLTLLEEQ N	
1335,729	-0,0071	0	59,29	4.60E-05	R	LLTLLEEQ N	
1335,729	-0,0068	0	59,79	4.10E-05	R	LLTLLEEQ N	
1335,729	-0,0068	0	65,55	1.10E-05	R	LLTLLEEQ N	
1335,729	-0,0058	0	39,32	0,0046	R	LLTLLEEQ N	
1335,729	-0,0042	0	36,29	0,0082	R	LLTLLEEQ N	
1335,729	-0,0042	0	37,51	0,0061	R	LLTLLEEQ N	
1335,729	-0,003	0	62,3	1.90E-05	R	LLTLLEEQ N	
1355,731	-0,0112	0	57,98	8.50E-05	L	AEAHHLIP V	
1430,777	-0,0078	1	46,38	0,0022	R	VYPLLEKDE A	
1430,777	-0,0042	1	58,78	0,00013	R	VYPLLEKDE A	
1430,777	-0,0026	1	51,07	0,00069	R	VYPLLEKDE A	
1468,815	-0,0024	0	61,23	4.90E-05	F	LAEAHHLIP V	
1615,883	-0,0041	0	81,3	3.40E-07	L	FLAEAHHLI V	
1728,968	-0,0044	0	82,1	3.50E-07	N	LFLAEAHLI V	
1731,919	-0,009	0	39,08	0,0068	K	VNISLLDAL L	
1731,919	-0,0072	0	51,15	0,00043	K	VNISLLDAL L	
1731,919	-0,007	0	36,59	0,012	K	VNISLLDAL L	
1731,919	-0,0066	0	46,99	0,0011	K	VNISLLDAL L	
1731,919	-0,0065	0	99,89	5.80E-09	K	VNISLLDAL L	
1731,919	-0,0063	0	85,59	1.50E-07	K	VNISLLDAL L	
1731,919	-0,0054	0	75,88	1.40E-06	K	VNISLLDAL L	
1731,919	-0,0035	0	42,11	0,0034	K	VNISLLDAL L	
1731,919	0,0003	0	97,37	9.80E-09	K	VNISLLDAL L	
1731,919	0,0011	0	110,11	5.20E-10	K	VNISLLDAL L	
1731,919	0,0039	0	76,08	1.30E-06	K	VNISLLDAL L	
1747,914	-0,0003	0	62,79	3.00E-05	K	VNISLLDAL L	
1843,01	-0,024	0	42,22	0,007	W	NLFLAEAHV	
1843,01	-0,0034	0	114,67	2.40E-10	W	NLFLAEAHV	
2029,09	-0,018	0	67,86	1.50E-05	K	WNLFLAEAV	
2029,09	-0,0171	0	130,21	8.90E-12	K	WNLFLAEAV	
2029,09	-0,0164	0	90,3	8.60E-08	K	WNLFLAEAV	
2029,09	-0,0119	0	78,01	1.40E-06	K	WNLFLAEAV	
2029,09	-0,0044	0	114,28	3.00E-10	K	WNLFLAEAV	

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2029,09	-0,0039	0	116,91	1.60E-10	K	WNLFLAEA V
2029,09	-0,0023	0	132,13	4.70E-12	K	WNLFLAEA V
2065,094	-0,0008	0	97,04	1.70E-08	T	PEIEALAAD W
2455,269	-0,0135	0	51,76	0,00075	M	TSTTPEIEAL W
2455,269	-0,0113	0	73,73	4.60E-06	M	TSTTPEIEAL W
2455,269	-0,008	0	143,76	4.30E-13	M	TSTTPEIEAL W
2455,269	-0,0063	0	181,89	6.60E-17	M	TSTTPEIEAL W
2455,269	-0,0042	0	89,11	1.30E-07	M	TSTTPEIEAL W
2455,269	-0,0038	0	93,17	5.20E-08	M	TSTTPEIEAL W
2455,269	0,0014	0	77,17	1.90E-06	M	TSTTPEIEAL W
2455,269	0,0015	0	69,56	1.20E-05	M	TSTTPEIEAL W
2455,269	0,0022	0	128,81	1.30E-11	M	TSTTPEIEAL W
2586,31	-0,0093	0	126,47	1.40E-11	-	MTSTTPEIE/ W
2586,31	-0,0061	0	46,61	0,0013	-	MTSTTPEIE/ W
2871,58	0,0009	1	71,69	1.60E-06	K	WNLFLAEA D
2871,58	0,0046	1	63,41	1.00E-05	K	WNLFLAEA D
2871,58	0,0135	1	52,04	0,00012	K	WNLFLAEA D
3049,637	-0,0152	1	101,36	6.10E-09	K	VNISLLDAL N
813,4232	-0,0105	0	46,75	0,00045	V	PLDPSGTK D
813,4232	-0,0085	0	46,79	0,00041	V	PLDPSGTK D
813,4232	-0,0084	0	31,86	0,013	V	PLDPSGTK D
813,4232	-0,0082	0	44,4	0,00072	V	PLDPSGTK D
813,4232	-0,0079	0	54,39	7.40E-05	V	PLDPSGTK D
813,4232	-0,0076	0	45,76	0,00054	V	PLDPSGTK D
816,409	-0,0092	1	44,88	0,0024	D	PSGKDGR G
816,409	-0,0091	1	51,15	0,00057	D	PSGKDGR G
816,409	-0,009	1	47,56	0,0013	D	PSGKDGR G
816,409	-0,0076	1	60,37	7.20E-05	D	PSGKDGR G
850,4661	-0,0074	0	46,79	0,0014	K	ELSHLPR R
931,4359	-0,0089	1	35,07	0,011	L	DPSGTDG G
978,561	-0,0093	1	38,16	0,0087	V	KELSHLPR R
1044,52	-0,0087	1	39,09	0,012	P	LDPSGTDG G
1077,63	-0,0078	1	35,4	0,005	K	VKELSHLPF R
1097,608	-0,01	1	58,69	5.80E-05	A	KGVPLDPS D
1125,607	-0,0047	1	49,12	0,00045	D	EFEIKLGYK H
1141,573	-0,0109	1	45,22	0,0011	V	PLDPSGTKI G
1141,573	-0,0079	1	89,9	3.90E-08	V	PLDPSGTKI G
1141,573	-0,0068	1	59,12	4.60E-05	V	PLDPSGTKI G
1141,573	-0,0058	1	61,3	3.00E-05	V	PLDPSGTKI G
1141,573	-0,0053	1	70,66	3.50E-06	V	PLDPSGTKI G
1168,645	-0,008	1	44,73	0,0028	A	AKGVPLDP D
1240,634	-0,0006	1	53,63	0,00045	G	DEFEIKLGY H
1297,655	-0,0093	1	60,8	3.30E-05	S	GDEFEIKLGY H
1297,663	-0,0101	1	58,31	6.30E-05	K	GVPLDPSG G
1297,663	-0,0097	1	54,4	0,00015	K	GVPLDPSG G
1297,663	-0,009	1	44,77	0,0013	K	GVPLDPSG G
1297,663	-0,0077	1	59	5.20E-05	K	GVPLDPSG G
1297,663	-0,0063	1	67,39	7.60E-06	K	GVPLDPSG G

1297,663	-0,0042	1	94,1	1.70E-08	K	GVPLDPSG	G	
1297,663	0,0004	1	41,81	0,0029	K	GVPLDPSG	G	
1325,687	-0,0091	0	69,74	4.80E-06	N	LTDFYDAVL	G	
1373,658	-0,0091	1	66,88	8.70E-06	C	GYSTSKEC	V	
1384,687	-0,0041	1	100,35	9.30E-09	K	SGDEFEIKL	H	
1384,687	-0,0035	1	79,33	1.20E-06	K	SGDEFEIKL	H	
1384,687	-0,0016	1	85,8	2.80E-07	K	SGDEFEIKL	H	
1439,73	-0,0035	0	41,42	0,0031	V	NLTDFYDA\	G	
1538,798	-0,0037	0	74,94	3.40E-06	R	VNLTDFYD/	G	
1538,798	-0,0027	0	64,25	4.00E-05	R	VNLTDFYD/	G	
1538,798	-0,0024	0	72,36	6.20E-06	R	VNLTDFYD/	G	
1538,798	-0,0019	0	86,1	2.60E-07	R	VNLTDFYD/	G	
1837,924	-0,018	0	39,41	0,0061	K	NGQIVIGST	S	
1837,924	-0,0075	0	55,69	0,00015	K	NGQIVIGST	S	
1837,924	-0,0061	0	76,42	1.20E-06	K	NGQIVIGST	S	
1837,924	-0,006	0	66,84	1.10E-05	K	NGQIVIGST	S	
1837,924	-0,0055	0	106,78	1.20E-09	K	NGQIVIGST	S	
1837,924	-0,0052	0	103,06	2.70E-09	K	NGQIVIGST	S	
1837,924	-0,0037	0	69,41	6.40E-06	K	NGQIVIGST	S	
1837,924	-0,0035	0	102,28	3.30E-09	K	NGQIVIGST	S	
1837,924	-0,0026	0	49,59	0,00062	K	NGQIVIGST	S	
1837,924	-0,0025	0	90,26	5.30E-08	K	NGQIVIGST	S	
1837,924	-0,0021	0	61,38	4.10E-05	K	NGQIVIGST	S	
1837,924	-0,0008	0	82,02	3.50E-07	K	NGQIVIGST	S	
1837,924	-0,0007	0	53,69	0,00024	K	NGQIVIGST	S	
1837,924	-0,0004	0	40,85	0,0046	K	NGQIVIGST	S	
1837,924	-0,0003	0	107,23	1.00E-09	K	NGQIVIGST	S	
1837,924	-0,0001	0	68,67	7.50E-06	K	NGQIVIGST	S	
1837,924	0,0002	0	46,98	0,0011	K	NGQIVIGST	S	
1837,924	0,001	0	86,95	1.10E-07	K	NGQIVIGST	S	
1837,924	0,0014	0	71,12	4.40E-06	K	NGQIVIGST	S	
1853,919	-0,0121	0	38,55	0,007	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0105	0	54	0,00019	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0101	0	53,51	0,00021	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0078	0	63,91	2.00E-05	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,006	0	62,67	2.70E-05	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0049	0	47,08	0,001	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0048	0	99,38	5.90E-09	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0048	0	57,91	8.30E-05	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0044	0	66,36	1.20E-05	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0037	0	56,06	0,00013	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0029	0	40,56	0,0044	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0026	0	74,42	1.80E-06	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0023	0	38,73	0,0068	K	NGQIVIGST	S	Oxidation (I
1853,919	-0,0022	0	38,51	0,0072	K	NGQIVIGST	S	Oxidation (I
1895,93	0,0132	0	35,95	0,013	K	NGQIVIGST	S	Acetyl (N-te
2108,09	-0,0132	1	59	7.40E-05	K	EGQVRVNL	G	
2108,09	-0,0041	1	64,72	1.90E-05	K	EGQVRVNL	G	

2490,301	-0,0011	1	116,39	1.20E-10	R	VNLDFYD/ D
3059,593	-0,0016	2	95,64	1.30E-08	K	EGQVRVNL D
3059,593	-0,0001	2	55,17	0,00014	K	EGQVRVNL D
1168,656	-0,0064	1	39,08	0,0089	K	QRQPDITL/ T
1241,652	-0,0082	0	62,18	3.50E-05	G	GAGFIGSHI L
1276,641	-0,0091	0	58,2	0,00017	K	PLTVFGDG/ S
1276,641	-0,0039	0	54,23	0,00045	K	PLTVFGDG/ S
1298,673	-0,0061	0	65,22	3.20E-05	T	GGAGFIGSI L
1352,731	-0,0032	1	53,67	0,00036	V	MGTLYMLG V
1360,666	-0,0032	0	53,09	0,0005	R	VAETLAFEY E
1360,666	-0,0022	0	69,99	1.00E-05	R	VAETLAFEY E
1360,724	-0,0079	0	69,09	1.50E-05	N	PGEYTILQL I
1360,724	-0,0049	0	66,08	2.90E-05	N	PGEYTILQL I
1399,721	-0,0017	0	78,36	8.50E-07	V	TGGAGFIG/ L
1399,721	-0,0005	0	44,45	0,0019	V	TGGAGFIG/ L
1438,648	-0,0041	0	46,54	0,00097	G	DPDVHPQF G
1440,674	-0,0051	0	48,82	0,00087	F	CYVSDLVE( L
1461,758	-0,0089	0	39,4	0,0062	Q	GKPLTVFG/ S
1498,789	-0,003	0	84,22	4.20E-07	L	VTGGAGFIC L
1498,789	-0,0026	0	113,56	4.80E-10	L	VTGGAGFIC L
1498,789	0	0	96,02	2.70E-08	L	VTGGAGFIC L
1510,789	0,0001	0	59,28	0,00012	K	TNVMGTLYI R
1576,781	-0,0048	0	45,76	0,0029	I	PLDQGLAM S
1611,873	0,0001	0	116,01	1.20E-10	I	LVTGGAGFI L
1666,89	-0,0019	1	109,09	1.10E-09	K	TNVMGTLYI V
1674,775	-0,0012	0	79,27	7.00E-07	R	SFCYVSDL\ L
1724,957	-0,0183	0	76,88	8.60E-07	R	ILVTGGAGF L
1724,957	-0,0106	0	87,85	6.90E-08	R	ILVTGGAGF L
1724,957	-0,0062	0	76,7	1.30E-06	R	ILVTGGAGF L
1724,957	-0,0057	0	59,85	6.20E-05	R	ILVTGGAGF L
1724,957	-0,005	0	61,07	2.90E-05	R	ILVTGGAGF L
1724,957	-0,0041	0	119,25	7.30E-11	R	ILVTGGAGF L
1724,957	-0,0021	0	120,33	5.50E-11	R	ILVTGGAGF L
1724,957	0,003	0	175,64	1.50E-16	R	ILVTGGAGF L
2012,099	-0,0052	1	61,92	2.80E-05	T	MRILVTGG/ L
2346,076	-0,0205	0	43,34	0,00092	L	LASTSEVYG G
2346,076	-0,0204	0	63,88	8.20E-06	L	LASTSEVYG G
2346,076	-0,0173	0	35,74	0,0056	L	LASTSEVYG G
2346,076	-0,0168	0	36,84	0,0044	L	LASTSEVYG G
2352,136	-0,0073	1	80,14	4.20E-07	R	LMAQGHE\ N
2352,136	-0,0015	1	41,12	0,0035	R	LMAQGHE\ N
2606,229	-0,0129	0	87,68	5.50E-08	R	FLLASTSEV G
2606,229	-0,0092	0	82,08	2.10E-07	R	FLLASTSEV G
2606,229	-0,0089	0	106,31	7.90E-10	R	FLLASTSEV G
2606,229	-0,0085	0	36,34	0,0079	R	FLLASTSEV G
2606,229	-0,0071	0	118,54	4.70E-11	R	FLLASTSEV G
2606,229	-0,0047	0	49,74	0,00037	R	FLLASTSEV G
2606,229	-0,003	0	105,49	9.90E-10	R	FLLASTSEV G

2606,229	0,0064	0	97,85	6.50E-09	R	FLLASTSEV G	
2694,325	0,0276	0	36,84	0,012	K	TYLDWQPT S	
2776,403	-0,0148	1	52,86	0,00055	K	IQNAINPDA Q	
2776,403	-0,0144	1	57,61	0,00019	K	IQNAINPDA Q	
2776,403	-0,0078	1	80,36	1.00E-06	K	IQNAINPDA Q	
2776,403	-0,0055	1	67,3	2.00E-05	K	IQNAINPDA Q	
2776,403	-0,0034	1	38,97	0,014	K	IQNAINPDA Q	
2776,403	-0,0033	1	75,46	3.10E-06	K	IQNAINPDA Q	
2776,403	-0,0021	1	130,79	8.90E-12	K	IQNAINPDA Q	
2776,403	-0,0009	1	75,19	3.30E-06	K	IQNAINPDA Q	
2776,403	-0,0006	1	115,93	2.80E-10	K	IQNAINPDA Q	
2810,385	-0,0006	0	37,14	0,01	R	LEVDAQVYH T	
3514,712	-0,0034	1	46,96	0,0019	R	FLLASTSEV A	
3642,889	-0,0061	2	65,52	1.20E-05	K	IQNAINPDA T	
3642,889	0,0004	2	54,33	0,00015	K	IQNAINPDA T	
3642,889	0,0021	2	57,52	7.20E-05	K	IQNAINPDA T	
1098,655	-0,003	0	36,2	0,0087	D	IPVNIYRPK T	
1101,618	-0,006	0	47,83	0,00075	K	VLENYPLVF E	
1101,618	-0,0055	0	49,32	0,00053	K	VLENYPLVF E	
1178,677	-0,0033	1	43,64	0,0017	K	LRLYSIASF H	
1196,528	-0,0072	0	47,59	0,00057	K	MAAEFPDN L	
1196,528	-0,0044	0	55,48	9.70E-05	K	MAAEFPDN L	
1196,528	-0,0042	0	58,27	5.10E-05	K	MAAEFPDN L	
1196,528	-0,0033	0	43,18	0,0018	K	MAAEFPDN L	
1212,523	-0,0056	0	39,8	0,0023	K	MAAEFPDN L	Oxidation (I
1213,722	-0,0133	0	46,28	0,0007	K	GLAWLIFGI S	
1222,562	-0,0098	1	44,43	0,0018	M	FKEQHEDY F	
1249,655	-0,0061	1	36,47	0,011	E	NILYKDDLE M	
1270,641	-0,0036	0	57,76	0,00019	K	EGDDIAITG E	
1303,652	-0,0065	1	45,51	0,0015	I	PPGEDDKG L	
1353,602	-0,0122	1	38,54	0,0023	R	MFKEQHEC F	
1378,698	-0,0098	1	49,21	0,0012	S	ENILYKDDL M	
1399,746	-0,0108	0	45,58	0,0016	K	ADDIPVNIY T	
1399,746	-0,0067	0	38,87	0,0076	K	ADDIPVNIY T	
1465,73	-0,0122	1	39,87	0,0046	K	SENILYKDC M	
1465,73	-0,0121	1	67,82	7.30E-06	K	SENILYKDC M	
1465,73	-0,0116	1	59,35	5.10E-05	K	SENILYKDC M	
1465,73	-0,0093	1	82,29	2.70E-07	K	SENILYKDC M	
1465,73	-0,0059	1	54,36	0,00018	K	SENILYKDC M	
1465,73	-0,0057	1	56,81	0,0001	K	SENILYKDC M	
1465,73	-0,0047	1	88,64	6.50E-08	K	SENILYKDC M	
1465,73	-0,0033	1	61,93	3.10E-05	K	SENILYKDC M	
1527,841	-0,0132	1	58,04	7.40E-05	K	KADDIPVNI T	
1527,841	-0,0099	1	38,64	0,012	K	KADDIPVNI T	
1527,841	-0,0063	1	73,37	2.30E-06	K	KADDIPVNI T	
1572,837	-0,0201	2	47,19	0,0021	I	PPGEDDKG L	
1572,837	-0,0165	2	42,4	0,0061	I	PPGEDDKG L	
1572,837	-0,0121	2	40,35	0,0092	I	PPGEDDKG L	

1572,837	-0,0103	2	54,28	0,0004	I	PPGEDDKG L	
1659,81	-0,0035	0	57,47	9.30E-05	E	PGIDEAFTA E	
1659,81	-0,002	0	103,63	2.30E-09	E	PGIDEAFTA E	
1667,754	-0,0051	1	60,4	2.10E-05	L	YSIASTRHG T	
1728,88	-0,0032	0	74,71	3.90E-06	I	GTVQHILTFI Y	
1780,838	-0,0059	1	64,81	1.20E-05	R	LYSIASTRH T	
1780,838	-0,0059	1	45,91	0,0018	R	LYSIASTRH T	
1788,853	0,0001	0	46,91	0,0018	M	EPGIDEAFT E	
1791,886	-0,0118	1	61,01	7.50E-05	R	LTYAISREQ M	
1791,886	-0,0087	1	42,41	0,0053	R	LTYAISREQ M	
1829,905	-0,0143	0	54,59	0,00018	R	YLEGQSIGI G	
1829,905	-0,0053	0	50,5	0,00048	R	YLEGQSIGI G	
1829,905	-0,0053	0	79,32	6.40E-07	R	YLEGQSIGI G	
1829,905	-0,005	0	42,29	0,0033	R	YLEGQSIGI G	
1829,905	-0,0048	0	66,09	1.40E-05	R	YLEGQSIGI G	
1829,905	-0,0035	0	80,28	5.20E-07	R	YLEGQSIGI G	
1829,905	-0,0032	0	82,05	3.50E-07	R	YLEGQSIGI G	
1829,905	-0,0002	0	96,93	1.20E-08	R	YLEGQSIGI G	
1841,964	0,0019	0	83,14	2.80E-07	A	IGTVQHILTF Y	
1900,899	-0,0117	0	78,27	9.80E-07	R	VAENAEEL T	Oxidation (I
1900,899	0,002	0	99,87	8.00E-09	R	VAENAEEL T	Oxidation (I
1900,899	0,0038	0	109,86	8.10E-10	R	VAENAEEL T	Oxidation (I
1992,91	-0,0015	0	139,7	5.00E-13	K	GMEPGIDE E	Oxidation (I
1992,91	-0,0014	0	108,9	6.10E-10	K	GMEPGIDE E	Oxidation (I
1992,91	0,005	0	82,49	3.00E-07	K	GMEPGIDE E	Oxidation (I
2016,973	-0,0195	1	39,39	0,0087	K	MAAEFPDN E	Oxidation (I
2099,065	-0,0064	0	82,75	6.10E-07	R	EGAIGTVQ F Y	
2099,065	-0,004	0	53,73	0,00049	R	EGAIGTVQ F Y	
2101,08	-0,0116	1	40,94	0,0096	L	EGQSIGIIP F L	
2184,089	-0,003	0	36,72	0,012	L	PPDEDANIA A	
2377,228	-0,009	1	61,29	8.60E-05	R	YLEGQSIGI L	
2377,228	-0,006	1	73,67	4.90E-06	R	YLEGQSIGI L	
2377,228	-0,0024	1	81,51	7.90E-07	R	YLEGQSIGI L	
2377,228	0,0011	1	91,92	7.10E-08	R	YLEGQSIGI L	
2608,256	-0,0106	1	112,26	5.20E-10	E	PGIDEAFTA E	
2608,256	-0,0102	1	114,75	2.90E-10	E	PGIDEAFTA E	
2608,256	-0,0101	1	148,01	1.40E-13	E	PGIDEAFTA E	
2646,413	-0,0117	2	57,05	8.40E-05	R	YLEGQSIGI L	
2661,442	-0,0057	2	89,08	4.20E-08	K	GLAWLIFGI M	
1042,498	-0,0089	0	42,03	0,004	V	PANQLCGC T	
1316,636	-0,0061	0	52,28	0,0005	S	GDAGTLYD L	
1316,636	-0,0056	0	48,91	0,0011	S	GDAGTLYD L	
1322,556	-0,004	0	41,6	0,0011	V	PQYAEVDC H	
1403,668	-0,0063	0	69,41	4.50E-06	Q	SGDAGTLYI L	
1403,668	-0,005	0	93,23	1.90E-08	Q	SGDAGTLYI L	
1403,668	-0,0042	0	48,51	0,00056	Q	SGDAGTLYI L	
1531,727	-0,0048	0	71,66	2.60E-06	F	QSGDAGTL L	
1531,727	-0,0001	0	40,22	0,0039	F	QSGDAGTL L	

1532,755	-0,0033	1	49,59	0,0012	I	EFMDSLNL	I	
1585,771	-0,0091	0	45,38	0,0012	K	IMEAVPAN	C	
1585,771	-0,0043	0	39,23	0,0054	K	IMEAVPAN	C	
1592,726	-0,0201	0	41,39	0,0014	L	PEDVFVYP	C	
1592,726	-0,0024	0	44,9	0,0017	L	PEDVFVYP	C	
1601,765	-0,0094	0	62,1	2.40E-05	K	IMEAVPAN	C	Oxidation (I
1601,765	-0,0078	0	51,45	0,00028	K	IMEAVPAN	C	Oxidation (I
1678,795	-0,0024	0	101,99	5.10E-09	D	FQSGDAGT	L	
1678,795	-0,0017	0	121,29	6.00E-11	D	FQSGDAGT	L	
1678,795	0,0013	0	99,09	1.00E-08	D	FQSGDAGT	L	
1678,795	0,0027	0	110,55	7.40E-10	D	FQSGDAGT	L	
1678,795	0,0061	0	112,98	4.50E-10	D	FQSGDAGT	L	
1705,81	-0,001	0	36,93	0,0097	T	LPEDVFVYF	G	
1793,822	-0,0074	0	54,11	9.70E-05	T	DFQSGDAC	L	
1796,895	0,0034	1	70,29	1.00E-05	D	PETSTYTYV	I	S
1806,858	-0,0005	0	61,1	6.60E-05	F	TLPEDVFVY	G	
1855,005	-0,0015	1	42,88	0,004	L	VDSVLEQV	I	E
1894,87	-0,0135	0	114,58	8.40E-11	R	TDFQSGDA	L	
1894,87	-0,0133	0	52,56	0,00013	R	TDFQSGDA	L	
1894,87	-0,0079	0	102,33	2.60E-09	R	TDFQSGDA	L	
1894,87	-0,0061	0	156,61	1.00E-14	R	TDFQSGDA	L	
1894,87	-0,0036	0	108,68	6.60E-10	R	TDFQSGDA	L	
1955,992	0,0024	1	62,57	3.30E-05	K	IMEAVPAN	C	-
1968,089	-0,003	1	38,07	0,0055	A	LVDSVLEQ	I	E
2035,008	-0,003	1	60,37	9.80E-05	R	QNFIEMD	I	I
2035,008	0,0034	1	65,62	3.00E-05	R	QNFIEMD	I	I
2039,126	-0,0006	1	45,5	0,0014	A	ALVDSVLE	C	E
2044,96	-0,0198	1	35,52	0,0079	V	YPGHDYR	G	R
2067,01	-0,0019	0	95,29	2.90E-08	K	LFTLPEDVF	G	
2087,01	-0,0114	0	101,59	5.80E-09	R	QLFDPETS	I	G
2087,01	-0,0079	0	62,69	4.70E-05	R	QLFDPETS	I	G
2144,029	-0,0223	1	37,29	0,0067	F	VYPGHDYR	R	
2197,195	-0,0116	1	99,26	9.70E-09	R	SAALVDSVI	E	
2197,195	-0,0091	1	156,44	1.60E-14	R	SAALVDSVI	E	
2197,195	-0,009	1	113,12	3.40E-10	R	SAALVDSVI	E	
2291,097	-0,0102	1	43,64	0,0017	V	FVYPGHDY	R	
2300,133	0,0021	1	83,24	2.70E-07	R	QLFDPETS	I	S
2300,133	0,0034	1	154,49	2.10E-14	R	QLFDPETS	I	S
2306,137	-0,0061	2	74,27	2.00E-06	R	DRQNFIEM	I	I
2306,137	-0,0056	2	89,22	6.40E-08	R	DRQNFIEM	I	I
2306,137	-0,0041	2	76,98	1.10E-06	R	DRQNFIEM	I	I
2325,044	-0,0011	1	42,16	0,0011	R	GCGRTDFC	L	
2731,288	-0,0093	1	97,56	1.20E-08	L	PEDVFVYP	C	R
2731,288	-0,0052	1	44,11	0,0028	L	PEDVFVYP	C	R
2847,427	0,0175	2	50,98	0,00044	-	MLFRQLFD	S	
3205,572	0,0008	1	70,7	8.90E-06	K	LFTLPEDVF	R	
924,5545	-0,0098	0	39,97	0,0028	E	FLHVKPGK	G	
1053,597	-0,0077	0	34,65	0,0084	V	EFLHVKPGI	G	

1152,666	-0,0061	0	62,8	2.30E-05	V	VEFLHVKP	G	
1205,612	-0,0122	0	44,85	0,0018	G	TSIVMDGA	V	
1251,734	-0,005	0	56,29	4.00E-05	K	VVEFLHVKF	G	
1251,734	-0,0043	0	37,07	0,0033	K	VVEFLHVKF	G	
1251,734	-0,0007	0	52,5	9.10E-05	K	VVEFLHVKF	G	
1255,641	-0,0085	0	35,9	0,01	R	AGETVPQA	I S	
1255,641	-0,008	0	34,95	0,012	R	AGETVPQA	I S	
1255,641	-0,0078	0	49,45	0,00044	R	AGETVPQA	I S	
1255,641	-0,0072	0	45,36	0,0013	R	AGETVPQA	I S	
1255,641	-0,0065	0	51,3	0,00032	R	AGETVPQA	I S	
1255,641	-0,004	0	44,11	0,0016	R	AGETVPQA	I S	
1255,641	-0,003	0	56,07	0,00011	R	AGETVPQA	I S	
1363,681	-0,0112	0	56,71	0,00011	R	TGTSIVMD	C V	
1363,681	-0,0105	0	74,76	1.80E-06	R	TGTSIVMD	C V	
1363,681	-0,0104	0	63,55	2.30E-05	R	TGTSIVMD	C V	
1363,681	-0,009	0	40,11	0,0054	R	TGTSIVMD	C V	
1363,681	-0,0083	0	57,36	0,0001	R	TGTSIVMD	C V	
1363,681	-0,0065	0	52,17	0,00032	R	TGTSIVMD	C V	
1363,681	-0,0063	0	59,53	6.00E-05	R	TGTSIVMD	C V	
1363,681	-0,0057	0	41,08	0,0042	R	TGTSIVMD	C V	
1363,681	-0,005	0	63,99	2.20E-05	R	TGTSIVMD	C V	
1363,681	-0,0049	0	37,14	0,011	R	TGTSIVMD	C V	
1363,681	-0,0045	0	56,55	0,00012	R	TGTSIVMD	C V	
1363,681	-0,0035	0	45,6	0,0014	R	TGTSIVMD	C V	
1363,681	-0,0028	0	78,62	7.10E-07	R	TGTSIVMD	C V	
1363,681	-0,0019	0	73,37	2.60E-06	R	TGTSIVMD	C V	
1363,681	0,0049	0	74,91	1.80E-06	R	TGTSIVMD	C V	
1372,672	-0,0041	0	53,39	0,00044	F	EEVSIAPDT	A	
1372,672	-0,0037	0	71,24	7.40E-06	F	EEVSIAPDT	A	
1379,676	-0,0094	0	73,55	2.20E-06	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0059	0	66,18	1.20E-05	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0049	0	65,59	1.40E-05	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0049	0	56,06	0,00013	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0048	0	44,75	0,0017	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0041	0	64,04	1.90E-05	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0038	0	53,32	0,00022	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0037	0	37,77	0,0079	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0036	0	54,83	0,00015	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0034	0	71,19	3.60E-06	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0027	0	73,65	2.20E-06	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0023	0	35,64	0,014	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0017	0	69,67	5.50E-06	R	TGTSIVMD	C V	Oxidation (I
1379,676	-0,0016	0	71,43	3.70E-06	R	TGTSIVMD	C V	Oxidation (I
1379,676	0,0003	0	64,22	1.90E-05	R	TGTSIVMD	C V	Oxidation (I
1379,676	0,0004	0	36	0,013	R	TGTSIVMD	C V	Oxidation (I
1379,676	0,0077	0	50,84	0,0004	R	TGTSIVMD	C V	Oxidation (I
1421,686	0,0147	0	41,25	0,0038	R	TGTSIVMD	C V	Acetyl (N-te
1421,686	0,0149	0	48,39	0,00072	R	TGTSIVMD	C V	Acetyl (N-te



1421,686	0,0172	0	47,26	0,001	R	TGTSIVMDC V	Acetyl (N-te
1430,725	-0,0051	0	50,82	0,00097	K	GDTATGGT G	
1519,741	-0,0062	0	60,07	5.00E-05	T	FEEVSIAPD A	
1558,784	-0,013	0	85,22	3.30E-07	K	GDTATGGT Q	
1558,784	-0,0086	0	84,05	4.30E-07	K	GDTATGGT Q	
1558,784	-0,008	0	61,78	7.50E-05	K	GDTATGGT Q	
1558,784	-0,0071	0	92,33	6.60E-08	K	GDTATGGT Q	
1558,784	-0,007	0	74,66	3.80E-06	K	GDTATGGT Q	
1558,784	-0,007	0	94,59	3.90E-08	K	GDTATGGT Q	
1659,858	-0,0122	1	76,37	1.50E-06	K	TFRAGETV F S	
1659,858	-0,0077	1	55,79	0,00016	K	TFRAGETV F S	
1659,858	-0,0069	1	76,22	1.40E-06	K	TFRAGETV F S	
1659,858	-0,0065	1	90,18	5.80E-08	K	TFRAGETV F S	
1659,858	-0,0059	1	88,78	8.20E-08	K	TFRAGETV F S	
1749,831	-0,0112	0	50,62	0,00032	M	ETFEEVSI A A	
1769,994	-0,0231	1	40,99	0,0034	V	VEFLHVKP C T	
1785,911	-0,0066	0	109,55	6.60E-10	K	GDTATGGT M	
1785,911	-0,0052	0	66,92	1.20E-05	K	GDTATGGT M	
1785,911	-0,0041	0	96,12	1.40E-08	K	GDTATGGT M	
1785,911	-0,0017	0	109,75	6.20E-10	K	GDTATGGT M	
1785,911	-0,0014	0	62,08	3.60E-05	K	GDTATGGT M	
1785,911	0,0011	0	70,27	5.60E-06	K	GDTATGGT M	
1869,063	-0,0047	1	64,76	8.10E-06	K	VVEFLHVK F T	
1970,11	0,0261	2	52,14	8.80E-05	K	VVEFLHVK F K	
1970,11	0,0265	2	58,99	1.80E-05	K	VVEFLHVK F K	
2356,119	-0,0087	1	74,68	1.30E-06	-	MISSNDFR I V	Acetyl (N-te
2356,119	-0,007	1	61,01	6.10E-05	-	MISSNDFR I V	Acetyl (N-te
2356,119	-0,0015	1	37,25	0,008	-	MISSNDFR I V	Acetyl (N-te
1176,614	-0,0088	0	59,6	0,00012	K	QEAYVAIDL V	
1189,682	-0,0086	0	59,19	3.20E-05	Q	LTGAQYIVL V	
1206,523	-0,0095	0	56,33	5.40E-05	V	NTGQDNQ A	
1305,591	-0,0093	0	75,32	5.90E-07	I	VNTGQDN C A	
1374,762	-0,0081	0	58,87	9.40E-05	R	GQLTGAQY V	
1374,762	-0,008	0	71,63	5.00E-06	R	GQLTGAQY V	
1374,762	-0,0054	0	86,97	1.50E-07	R	GQLTGAQY V	
1374,762	-0,0041	0	90,77	5.70E-08	R	GQLTGAQY V	
1374,762	-0,0037	0	48,78	0,0009	R	GQLTGAQY V	
1380,689	-0,0115	0	92,32	6.10E-08	R	VVDSSTGE I T	
1380,689	-0,0093	0	93,97	4.20E-08	R	VVDSSTGE I T	
1380,689	-0,0076	0	77,19	2.00E-06	R	VVDSSTGE I T	
1380,689	-0,0046	0	50,8	0,00089	R	VVDSSTGE I T	
1443,707	-0,0101	1	50,83	0,00034	T	GQDNQST A	
1475,697	-0,0019	0	71,19	3.20E-06	L	GIVNTGQD A	
1658,797	0,0002	1	41,55	0,0065	V	NTGQDNQ A	
1757,866	0,0012	1	99,53	6.50E-09	I	VNTGQDN C A	
1815,908	-0,0013	0	67,07	1.10E-05	V	NILGIVNTG A	
1927,971	0,0028	1	39,92	0,0058	L	GIVNTGQD A	
2292,123	-0,0125	0	41,49	0,0034	R	ELADALSNI Q	

2825,452	-0,0061	0	87,59	9.30E-08	R	QNLGSVLS	G	
2825,452	0,0032	0	128,01	8.50E-12	R	QNLGSVLS	G	
2918,397	-0,0293	0	56,98	6.80E-05	R	ATDTAASS	A	
2918,397	-0,0203	0	44,78	0,0012	R	ATDTAASS	A	
2918,397	-0,0181	0	82,69	2.00E-07	R	ATDTAASS	A	
2918,397	-0,018	0	36,7	0,0079	R	ATDTAASS	A	
2918,397	-0,0164	0	142	2.40E-13	R	ATDTAASS	A	
2918,397	-0,0155	0	117,63	6.50E-11	R	ATDTAASS	A	
2918,397	-0,0151	0	119,7	4.10E-11	R	ATDTAASS	A	
2918,397	-0,0117	0	141,81	2.50E-13	R	ATDTAASS	A	
2918,397	-0,004	0	197,74	6.80E-19	R	ATDTAASS	A	
2918,397	-0,0037	0	202,11	2.50E-19	R	ATDTAASS	A	
2918,397	-0,0016	0	38,76	0,0055	R	ATDTAASS	A	
2918,397	0,005	0	65,55	1.20E-05	R	ATDTAASS	A	
2918,397	0,0059	0	90,05	4.40E-08	R	ATDTAASS	A	
3370,671	-0,0034	1	98,75	1.40E-08	R	ATDTAASS	A	
3370,671	0,0036	1	83,65	4.60E-07	R	ATDTAASS	A	
3370,671	0,0038	1	104,63	3.70E-09	R	ATDTAASS	A	
3370,671	0,0049	1	65,12	3.30E-05	R	ATDTAASS	A	
3370,671	0,0085	1	75,94	2.80E-06	R	ATDTAASS	A	
3460,678	0,0031	1	58,58	0,00014	R	TVEGRATD	A	
942,6015	-0,007	1	32,78	0,0055	A	PAVIFLRK	A	
977,5658	-0,0062	1	32,66	0,0093	R	LRYQATVK	K	
1013,639	-0,0082	1	33,85	0,0043	Q	APAVIFLRK	A	
1013,639	-0,008	1	41,06	0,00082	Q	APAVIFLRK	A	
1013,639	-0,0079	1	31	0,0083	Q	APAVIFLRK	A	
1141,697	-0,0073	1	47,56	0,00024	N	QAPAVIFLR	A	
1164,607	-0,009	1	49,9	0,0011	A	IGAYAMDRI	Y	
1164,607	-0,006	1	47,06	0,0022	A	IGAYAMDRI	Y	
1180,602	-0,0095	1	38,54	0,014	A	IGAYAMDRI	Y	Oxidation (I
1185,585	-0,0067	0	47,44	0,0007	K	HPGMIEEF	T	
1185,585	-0,0065	0	46,74	0,00085	K	HPGMIEEF	T	
1185,585	-0,006	0	41,82	0,0026	K	HPGMIEEF	T	
1185,585	-0,0059	0	46,48	0,0009	K	HPGMIEEF	T	
1185,585	-0,005	0	40,39	0,0037	K	HPGMIEEF	T	
1185,585	-0,005	0	40,68	0,0034	K	HPGMIEEF	T	
1185,585	-0,0042	0	43,97	0,0015	K	HPGMIEEF	T	
1185,585	-0,0042	0	34,91	0,012	K	HPGMIEEF	T	
1201,58	-0,011	0	40,93	0,0029	K	HPGMIEEF	T	Oxidation (I
1201,58	-0,005	0	39,93	0,0039	K	HPGMIEEF	T	Oxidation (I
1201,58	-0,0048	0	39,96	0,0039	K	HPGMIEEF	T	Oxidation (I
1201,58	-0,0046	0	34,58	0,013	K	HPGMIEEF	T	Oxidation (I
1201,58	-0,0041	0	42,91	0,0021	K	HPGMIEEF	T	Oxidation (I
1235,644	-0,0061	1	55,66	0,00013	I	AIGAYAMDI	Y	
1235,644	-0,006	1	61,75	3.10E-05	I	AIGAYAMDI	Y	
1249,649	-0,0065	0	42,58	0,0029	K	GIIAIGAYAN	L	
1255,74	-0,0051	1	51,84	0,00017	K	NQAPAVIFL	A	
1255,74	-0,005	1	36,97	0,0053	K	NQAPAVIFL	A	

1255,74	-0,0046	1	51,91	0,00018	K	NQAPAVIFL A	Oxidation (I
1255,74	-0,0042	1	54,91	8.80E-05	K	NQAPAVIFL A	
1255,74	-0,0036	1	51,91	0,00017	K	NQAPAVIFL A	
1255,74	-0,0036	1	54,16	9.90E-05	K	NQAPAVIFL A	
1348,729	-0,0026	1	79,35	9.70E-07	I	IAIGAYAMD Y	
1348,729	-0,0023	1	75,25	2.60E-06	I	IAIGAYAMD Y	
1394,61	-0,0058	0	41,22	0,0021	L	IEEHFDGTE W	
1394,61	-0,0053	0	43,46	0,0013	L	IEEHFDGTE W	
1394,61	-0,0039	0	38,03	0,0044	L	IEEHFDGTE W	
1518,834	-0,0022	1	69,73	7.30E-06	K	GIIAIGAYAN Y	
1518,834	-0,0019	1	92,39	3.90E-08	K	GIIAIGAYAN Y	
1518,834	-0,0018	1	73,76	2.90E-06	K	GIIAIGAYAN Y	
1518,834	-0,0018	1	88,39	9.90E-08	K	GIIAIGAYAN Y	
1534,829	-0,0003	1	47,55	0,0014	K	GIIAIGAYAN Y	
1606,763	-0,0054	0	42,78	0,0042	G	VLIEEHFDG W	
1776,868	-0,02	0	41,58	0,0055	K	IGVLIEEHFI W	
1776,868	-0,0185	0	115,82	2.10E-10	K	IGVLIEEHFI W	
1776,868	-0,0145	0	59,5	9.40E-05	K	IGVLIEEHFI W	
1776,868	-0,0138	0	70,69	7.20E-06	K	IGVLIEEHFI W	
1776,868	-0,012	0	106,37	2.00E-09	K	IGVLIEEHFI W	
1776,868	-0,0062	0	89,93	9.90E-08	K	IGVLIEEHFI W	
1776,868	-0,0028	0	56,09	0,00025	K	IGVLIEEHFI W	
1776,868	-0,0025	0	102,34	6.00E-09	K	IGVLIEEHFI W	
1776,868	-0,0016	0	70,56	9.00E-06	K	IGVLIEEHFI W	
1776,868	0,0005	0	44,7	0,0036	K	IGVLIEEHFI W	
1776,868	0,0028	0	94,84	3.50E-08	K	IGVLIEEHFI W	
1776,868	0,0033	0	93,99	4.30E-08	K	IGVLIEEHFI W	
1961,985	-0,0189	1	60,38	5.00E-05	K	GKIGVLIEEI W	
1961,985	-0,0158	1	115,93	1.40E-10	K	GKIGVLIEEI W	
1961,985	-0,0131	1	37,52	0,01	K	GKIGVLIEEI W	
1961,985	-0,0064	1	79,07	7.50E-07	K	GKIGVLIEEI W	
1961,985	-0,0043	1	63,96	2.40E-05	K	GKIGVLIEEI W	
2343,154	-0,0071	0	86,77	2.10E-07	F	PAQGYEVE' F	
2343,154	-0,0059	0	54,04	0,0004	F	PAQGYEVE' F	
2501,245	0,0022	1	43,81	0,0024	K	LGTICHSLV K	
2946,352	-0,0144	0	42,06	0,0013	K	FGSNPEND D	
2946,352	-0,0123	0	78,8	2.90E-07	K	FGSNPEND D	
2946,352	-0,0062	0	205,7	6.20E-20	K	FGSNPEND D	
2946,352	0,0072	0	60,14	2.60E-05	K	FGSNPEND D	
3229,519	-0,0062	0	41,59	0,0045	R	WFNEYFPA F	
3352,537	0,0004	1	141,92	3.10E-13	K	FGSNPEND G	
1153,62	-0,0081	1	34,92	0,011	N	PERLEQNLIA	
1153,62	-0,0077	1	45,77	0,00089	N	PERLEQNLIA	
1160,619	-0,0095	1	50,06	0,0011	K	REELWITSK L	
1176,636	-0,0151	1	47,01	0,0018	K	KLEMLVLSM. I	
1176,636	-0,0136	1	45,55	0,0027	K	KLEMLVLSM. I	
1176,636	-0,0074	1	51,03	0,0007	K	KLEMLVLSM. I	
1176,636	-0,0073	1	40,24	0,0084	K	KLEMLVLSM. I	

1176,636	-0,0063	1	54,04	0,00035	K	KLEMLVLSM. I	
1192,631	-0,0097	1	43,03	0,0051	K	KLEMLVLSM. I	Oxidation (I
1192,631	-0,0054	1	50,88	0,00085	K	KLEMLVLSM. I	Oxidation (I
1192,631	-0,0038	1	46,77	0,002	K	KLEMLVLSM. I	Oxidation (I
1364,649	-0,0079	0	61,31	5.40E-05	R	AADITLTDS I	
1364,649	-0,0078	0	54,93	0,00024	R	AADITLTDS I	
1364,649	-0,0059	0	39,12	0,0092	R	AADITLTDS I	
1364,649	-0,0046	0	67,57	1.40E-05	R	AADITLTDS I	
1364,649	-0,0025	0	66,97	1.60E-05	R	AADITLTDS I	
1364,649	-0,0018	0	61,49	5.70E-05	R	AADITLTDS I	
1364,649	-0,0015	0	72,21	4.90E-06	R	AADITLTDS I	
1380,644	-0,0104	0	48,13	0,00088	R	AADITLTDS I	Oxidation (I
1380,644	-0,0096	0	36,12	0,014	R	AADITLTDS I	Oxidation (I
1380,644	-0,0093	0	52,44	0,00032	R	AADITLTDS I	Oxidation (I
1380,644	-0,009	0	65,18	1.70E-05	R	AADITLTDS I	Oxidation (I
1380,644	-0,0086	0	60,34	5.50E-05	R	AADITLTDS I	Oxidation (I
1380,644	-0,0086	0	53,06	0,00029	R	AADITLTDS I	Oxidation (I
1380,644	-0,0084	0	45,98	0,0015	R	AADITLTDS I	Oxidation (I
1380,644	-0,0078	0	44,07	0,0024	R	AADITLTDS I	Oxidation (I
1380,644	-0,0074	0	40,04	0,006	R	AADITLTDS I	Oxidation (I
1380,644	-0,0065	0	42,34	0,0036	R	AADITLTDS I	Oxidation (I
1380,644	-0,0053	0	69,12	8.00E-06	R	AADITLTDS I	Oxidation (I
1380,644	-0,0044	0	57,18	0,00012	R	AADITLTDS I	Oxidation (I
1380,644	-0,001	0	61,49	4.90E-05	R	AADITLTDS I	Oxidation (I
1387,782	-0,0056	2	40,32	0,0033	V	VKREELWIT L	
1453,764	-0,0111	1	38,18	0,0067	K	SVNPERLE(A	
1453,764	-0,0065	1	37,53	0,0076	K	SVNPERLE(A	
1517,784	-0,0073	0	52,34	0,00037	V	VGQAVEQA H	
1779,952	0,0007	0	115,33	1.20E-10	F	PLSNGEQIF S	
1779,952	0,0024	0	91,16	3.00E-08	F	PLSNGEQIF S	
1795,904	-0,0093	0	42,14	0,0032	V	DLGLCHHI( K	
1841,964	-0,0039	0	109,04	7.00E-10	S	PQVVGQAV H	
1841,964	-0,0026	0	92,82	2.90E-08	S	PQVVGQAV H	
1841,964	-0,0024	0	130,22	5.60E-12	S	PQVVGQAV H	
1896,985	-0,0126	0	80,06	1.10E-06	K	LWSNAHHF T	
1896,985	-0,0068	0	57,88	0,00017	K	LWSNAHHF T	
1896,985	-0,0033	0	51,52	0,00076	K	LWSNAHHF T	
1896,985	-0,0032	0	82,03	6.80E-07	K	LWSNAHHF T	
1896,985	-0,003	0	47,19	0,0019	K	LWSNAHHF T	
1896,985	-0,0025	0	60,07	0,00011	K	LWSNAHHF T	
1925,96	-0,0019	0	40,75	0,0044	Y	SPLGSGDR L	
1966,01	-0,0157	0	121,33	7.10E-11	K	AVDLGLCH K	
1966,01	-0,0116	0	66,69	2.10E-05	K	AVDLGLCH K	
1966,01	-0,0115	0	55,1	0,00031	K	AVDLGLCH K	
1966,01	-0,0113	0	93,09	4.90E-08	K	AVDLGLCH K	
1966,01	-0,0075	0	112,3	5.90E-10	K	AVDLGLCH K	
1966,01	-0,0041	0	90,89	4.50E-08	K	AVDLGLCH K	
2016,028	-0,0034	0	114,98	1.90E-10	K	SSPQVVGQ H	

2016,028	-0,0014	0	73,86	2.30E-06	K	SSPQVVGQ H	
2016,028	-0,0013	0	137,19	1.10E-12	K	SSPQVVGQ H	
2090,084	-0,0027	0	94,52	2.20E-08	K	YFPLSNGE( S	
3077,633	0,0026	0	67,47	6.90E-06	K	LLTDPVING G	
3774,05	-0,0174	1	35,08	0,0076	K	LLTDPVING S	
1101,582	-0,0074	0	47,38	0,001	Y	PTEFIDRPK D	
1101,582	-0,0068	0	52,46	0,00033	Y	PTEFIDRPK D	
1169,619	-0,0083	0	36,31	0,0097	V	ILNAPWGAI Y	
1194,615	-0,0113	0	40,53	0,0092	F	YVDVYRPQ W	
1268,688	-0,0105	0	70,37	8.40E-06	A	VILNAPWG, Y	
1278,657	-0,0052	1	41,59	0,0077	I	SYVIDELER N	
1286,723	-0,0088	0	65,07	2.10E-05	D	PEGGLSLIN K	
1333,605	-0,0066	0	50,15	0,00023	K	ETWWLND( N	
1333,605	-0,0066	0	50,41	0,00022	K	ETWWLND( N	
1333,605	-0,0054	0	58,06	3.80E-05	K	ETWWLND( N	
1333,605	-0,0052	0	33,23	0,012	K	ETWWLND( N	
1410,762	-0,0075	0	83,39	4.00E-07	R	AAVILNAPV Y	
1410,762	-0,0062	0	76,52	2.00E-06	R	AAVILNAPV Y	
1424,778	-0,0062	0	64,83	2.70E-05	N	PVNSAIFGV V	
1424,778	-0,0062	0	71,95	5.20E-06	N	PVNSAIFGV V	
1505,773	-0,0008	1	44,11	0,0021	K	SEGALIKDII R	
1506,768	-0,0038	1	60,24	0,00011	K	DISYVIDELI N	
1506,768	-0,0019	1	78,85	1.50E-06	K	DISYVIDELI N	
1538,821	-0,0051	0	99,96	9.40E-09	A	NPVNSAIFC V	
1609,858	-0,0071	0	109,1	5.70E-10	A	ANPVNSAIF V	
1612,789	-0,0136	0	35,33	0,013	R	QGYYPTEFI D	
1612,789	0,0013	0	67,47	1.80E-05	R	QGYYPTEFI D	
1612,789	0,0034	0	45,1	0,0032	R	QGYYPTEFI D	
1661,874	-0,0176	2	70,41	5.30E-06	K	SEGALIKDII T	
1680,895	-0,0019	0	77,09	1.70E-06	L	AANPVNSA V	
1737,84	0,0046	0	58,8	6.70E-05	K	YLTLMEGQ, I	
1753,835	0,0025	0	64,7	1.40E-05	K	YLTLMEGQ, I	Oxidation (I
1793,979	-0,0055	0	92,4	2.20E-08	V	LAANPVNS, V	
1800,962	-0,0063	1	89,11	1.20E-07	Q	AAEDPEGG Y	
1817,858	-0,0184	0	73,28	1.50E-06	K	YPTDIHFQ( A	
1868,02	-0,0062	1	35,97	0,012	T	AENIFFTYG V	
1893,047	-0,0024	0	120,03	5.30E-11	A	VLAANPVN: V	
1945,953	-0,0159	1	79,91	5.10E-07	K	KYPTDIHFQ A	
1945,953	-0,0157	1	82,25	3.00E-07	K	KYPTDIHFQ A	
1945,953	-0,0146	1	46,49	0,0011	K	KYPTDIHFQ A	
1945,953	-0,0115	1	42,35	0,003	K	KYPTDIHFQ A	
1964,084	-0,0014	0	49,89	0,00032	V	AVLAANPVI V	
2116,062	-0,0099	1	52,15	0,00063	L	TLMEGQAH N	
2162,221	-0,0049	0	92,44	1.10E-08	R	VVAVLAANI V	
2162,221	-0,0019	0	103,23	9.30E-10	R	VVAVLAANI V	
2173,092	-0,0144	2	41,72	0,0076	K	KYPTDIHFQ A	
2249,22	-0,0162	0	64,26	2.70E-05	R	IGQGVPNT, S	
2283,247	-0,0158	1	64,95	2.20E-05	R	AAIVQAAEC Y	

2283,247	-0,0087	1	42,23	0,0025	R	AAIVQAAEC Y
2392,21	0,0004	1	86,8	2.20E-07	K	YLTLMEGQ, N
2499,239	-0,0117	0	42,66	0,0029	K	TPVLVFSHC M
2499,239	-0,0084	0	125,91	1.40E-11	K	TPVLVFSHC M
2499,239	-0,0078	0	40,66	0,0047	K	TPVLVFSHC M
2499,239	-0,0071	0	37,35	0,01	K	TPVLVFSHC M
2499,239	-0,0064	0	40,58	0,0048	K	TPVLVFSHC M
2499,239	-0,0056	0	104,77	1.80E-09	K	TPVLVFSHC M
2499,239	-0,0055	0	71,91	3.60E-06	K	TPVLVFSHC M
2499,239	-0,0044	0	82,65	3.00E-07	K	TPVLVFSHC M
2499,239	-0,0039	0	46,54	0,0012	K	TPVLVFSHC M
2499,239	-0,001	0	61,28	4.30E-05	K	TPVLVFSHC M
2499,239	0,0019	0	79,57	6.30E-07	K	TPVLVFSHC M
1087,628	-0,0145	0	55,93	9.70E-05	Y	LPQVIEYVK E
1187,567	-0,0081	0	59,91	3.70E-05	K	EDGELIIDEI G
1205,488	-0,0066	0	44,86	0,00016	I	YHNPDCGT N
1205,488	-0,006	0	25,69	0,013	I	YHNPDCGT N
1307,713	-0,0093	0	41,01	0,0028	A	GYLPQVIEY E
1318,572	-0,0065	0	42,85	0,0011	V	IYHNPDCG' N
1318,572	-0,0048	0	41,3	0,0016	V	IYHNPDCG' N
1318,572	-0,0034	0	33,66	0,01	V	IYHNPDCG' N
1318,572	-0,0019	0	41,39	0,0018	V	IYHNPDCG' N
1417,641	-0,0134	0	34,4	0,0072	I	VIYHNPDC( N
1417,641	-0,0101	0	58,83	3.00E-05	I	VIYHNPDC( N
1417,641	-0,0093	0	36,35	0,0054	I	VIYHNPDC( N
1417,641	-0,0077	0	35,05	0,0071	I	VIYHNPDC( N
1417,641	-0,0066	0	33,31	0,012	I	VIYHNPDC( N
1417,641	-0,0063	0	36,89	0,0052	I	VIYHNPDC( N
1417,641	-0,0059	0	39,77	0,0028	I	VIYHNPDC( N
1417,641	-0,0058	0	33,93	0,011	I	VIYHNPDC( N
1417,641	-0,0055	0	46,71	0,00056	I	VIYHNPDC( N
1417,641	-0,0054	0	45,87	0,00068	I	VIYHNPDC( N
1417,641	-0,0046	0	36,32	0,0061	I	VIYHNPDC( N
1417,641	-0,0046	0	34,29	0,0097	I	VIYHNPDC( N
1514,733	-0,005	1	60,55	7.60E-05	K	EDGELIIDEI V
1530,725	-0,004	0	43,03	0,004	M	IVIYHNPDC N
1581,888	-0,0029	0	76,25	8.10E-07	K	PQLLGLFA/ S
1661,765	-0,0142	0	56,65	5.40E-05	N	MIVIYHNPC N
1661,765	-0,0118	0	35,28	0,0076	N	MIVIYHNPC N
1661,765	-0,0108	0	58,69	3.60E-05	N	MIVIYHNPC N
1661,765	-0,0088	0	68,15	4.10E-06	N	MIVIYHNPC N
1661,765	-0,0083	0	34,28	0,01	N	MIVIYHNPC N
1661,765	-0,0075	0	77,48	4.80E-07	N	MIVIYHNPC N
1661,765	-0,0069	0	42,59	0,0016	N	MIVIYHNPC N
1661,765	-0,0064	0	40,22	0,0027	N	MIVIYHNPC N
1661,765	-0,0029	0	83,86	1.20E-07	N	MIVIYHNPC N
1661,765	-0,0004	0	42,61	0,0016	N	MIVIYHNPC N
1668,939	-0,004	0	44,45	0,0018	E	YPILVNRPI\ G

1668,939	-0,0009	0	64,01	2.00E-05	E	YPILVNRPI\ G	
1677,76	-0,0154	0	37,13	0,0082	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0151	0	41,79	0,0028	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0149	0	37,1	0,0082	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0127	0	37,19	0,0086	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0109	0	39,86	0,0023	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0107	0	50,86	0,00019	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0095	0	44,12	0,00089	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0094	0	46,76	0,00048	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0086	0	42,84	0,0012	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0082	0	37,28	0,0089	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0041	0	41,15	0,0018	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,0022	0	56,74	5.30E-05	N	MIVIYHNPC N	Oxidation (I
1677,76	-0,002	0	46,54	0,00056	N	MIVIYHNPC N	Oxidation (I
1797,981	-0,0033	0	55,71	0,00013	V	EYPILVNRP G	
1797,981	-0,0007	0	54,74	0,00015	V	EYPILVNRP G	
1877,912	-0,007	2	46,47	0,0011	K	EDGELIIDEI -	
1877,912	-0,0065	2	45,15	0,0015	K	EDGELIIDEI -	
1877,912	-0,0052	2	57,69	8.80E-05	K	EDGELIIDEI -	
1877,912	-0,0048	2	62,19	3.10E-05	K	EDGELIIDEI -	
2046,14	0,0045	0	51,49	0,00017	V	LQLIEAAGY E	
2099,127	-0,0109	0	66,36	2.00E-05	D	AMVEYPILV G	
2106,079	-0,0269	0	55,48	0,00016	R	PSEVVLDDL E	
2183,174	-0,0126	0	64,58	1.70E-05	K	EGWTKPQL S	
2183,174	0,0055	0	136,3	1.60E-12	K	EGWTKPQL S	
2259,251	-0,0206	0	51,93	0,00022	R	NVLQLIEAA E	
2259,251	-0,0189	0	70,31	3.20E-06	R	NVLQLIEAA E	
2259,251	-0,0146	0	39,43	0,0061	R	NVLQLIEAA E	
2259,251	-0,0116	0	66,42	6.80E-06	R	NVLQLIEAA E	
2259,251	-0,01	0	49,44	0,00056	R	NVLQLIEAA E	
2259,251	-0,0088	0	46,95	0,00058	R	NVLQLIEAA E	
2259,251	-0,0082	0	80,9	3.80E-07	R	NVLQLIEAA E	
2259,251	-0,0072	0	48,13	0,00045	R	NVLQLIEAA E	
2259,251	-0,0061	0	54,39	9.90E-05	R	NVLQLIEAA E	
2259,251	-0,0056	0	100,13	4.30E-09	R	NVLQLIEAA E	
2259,251	-0,0041	0	102,21	2.60E-09	R	NVLQLIEAA E	
2259,251	0,0015	0	69,31	4.70E-06	R	NVLQLIEAA E	
2535,294	-0,0094	0	69,11	7.00E-06	R	LCRPSEVVI E	
2535,294	-0,0086	0	43,31	0,0027	R	LCRPSEVVI E	
2535,294	-0,0037	0	113,09	2.80E-10	R	LCRPSEVVI E	
2535,294	-0,0002	0	42,81	0,003	R	LCRPSEVVI E	
1176,642	-0,0098	0	43,33	0,0036	K	TTEQLMTLL D	
1176,642	-0,0075	0	51	0,00066	K	TTEQLMTLL D	
1176,642	-0,0067	0	59,71	8.40E-05	K	TTEQLMTLL D	
1245,675	-0,0079	0	79,15	6.70E-07	R	LAASMLIAS H	
1245,675	-0,0036	0	57	0,0001	R	LAASMLIAS H	
1245,675	0,0062	0	94,73	1.50E-08	R	LAASMLIAS H	
1286,662	-0,0093	0	62,61	6.50E-05	T	EAVDHYLV\ S	

1387,71	-0,0098	0	61,34	4.20E-05	A	TEAVDHYL\ S
1443,695	-0,0059	0	41,53	0,0027	T	LGDLSEANI L
1463,806	-0,0028	0	66,47	7.40E-06	R	LDFGVTLS\ I
1463,806	-0,0025	0	57,37	5.90E-05	R	LDFGVTLS\ I
1571,831	-0,0067	0	44,52	0,0021	A	LATEAVDH\ S
1571,831	-0,0028	0	111,2	4.30E-10	A	LATEAVDH\ S
1571,831	0,0038	0	95,53	1.60E-08	A	LATEAVDH\ S
1642,868	0,0017	0	53,01	0,00052	L	ALATEAVD\ S
1657,827	-0,0106	0	51,97	0,00032	R	ITLGD\SEA L
1657,827	-0,0087	0	101,28	3.90E-09	R	ITLGD\SEA L
1657,827	-0,0064	0	110,86	4.10E-10	R	ITLGD\SEA L
1657,827	-0,0063	0	108,02	8.10E-10	R	ITLGD\SEA L
1657,827	-0,0061	0	125,9	1.40E-11	R	ITLGD\SEA L
1657,827	-0,0005	0	41	0,0044	R	ITLGD\SEA L
1657,827	-0,0001	0	90,67	4.60E-08	R	ITLGD\SEA L
1657,827	0	0	69,31	6.20E-06	R	ITLGD\SEA L
1657,827	0,0067	0	45,67	0,0016	R	ITLGD\SEA L
1727,982	0,0005	0	69,97	2.70E-06	K	IVQQLPQDI G
1755,952	-0,0168	0	49,5	0,0013	K	LALATEAVD S
1755,952	-0,0105	0	60,48	0,0001	K	LALATEAVD S
1755,952	-0,0015	0	114,96	1.60E-10	K	LALATEAVD S
1755,952	-0,0002	0	129,83	5.30E-12	K	LALATEAVD S
1755,952	0,0016	0	114,95	1.50E-10	K	LALATEAVD S
1755,952	0,0028	0	152,52	2.60E-14	K	LALATEAVD S
1778,899	-0,0053	1	64,38	4.20E-05	K	DFDRLAASI H
1809,03	0	0	46,37	0,00074	R	FPLL\VVLF G
1915,038	0,0007	0	56,2	0,00018	K	GGITSNDVI L
2072,029	-0,0087	1	91,46	3.80E-08	R	SDSTLRGH' E
2072,029	-0,0077	1	42,14	0,0033	R	SDSTLRGH' E
2072,029	-0,007	1	51,34	0,00039	R	SDSTLRGH' E
2081,091	-0,0138	1	48,86	0,00072	K	TPVIYTSRG\ I
2081,091	-0,0095	1	96,12	1.30E-08	K	TPVIYTSRG\ I
2081,091	-0,0031	1	50,46	0,00047	K	TPVIYTSRG\ I
2273,165	-0,0261	0	52,07	0,00037	R	DHPDSPA\ E
2415,276	0,0117	1	35,78	0,012	K	LALATEAVD G
2658,361	-0,003	1	98,58	8.30E-09	R	DHPDSPA\ E
2659,387	-0,0187	1	50,41	0,0011	R	TDEDHPRF\ G
2659,387	-0,0118	1	92,23	7.00E-08	R	TDEDHPRF\ G
3040,424	0,0032	0	71,9	4.40E-06	V	PVAATEFA\ T
1006,545	-0,0121	0	43,38	0,004	L	LVQLESYR L
1124,63	-0,0107	0	59,3	8.20E-05	A	QLIAAGGDI I
1124,63	-0,0018	0	39,3	0,0072	A	QLIAAGGDI I
1131,665	-0,0084	0	73,67	8.30E-07	R	ILVTGGAGF Q
1131,665	-0,0084	0	38,74	0,0026	R	ILVTGGAGF Q
1171,551	-0,0058	0	52,48	0,00017	R	EFLYSTDA\ G
1181,575	-0,0057	0	51,23	0,00027	R	GIVMG\TQA' A
1190,666	-0,0068	0	46,14	0,0016	K	ALLVQLESY L
1190,666	-0,0068	0	52,93	0,00033	K	ALLVQLESY L



1195,667	-0,007	0	51,26	0,00021	V	AQLIAAGGI I	
1195,667	-0,0049	0	34,28	0,011	V	AQLIAAGGI I	
1195,667	-0,0001	0	37,11	0,0052	V	AQLIAAGGI I	
1197,57	-0,0107	0	36,28	0,0067	R	GIVMGTA' A	Oxidation (I
1197,57	-0,0092	0	50,61	0,00027	R	GIVMGTA' A	Oxidation (I
1197,57	-0,0086	0	41,91	0,002	R	GIVMGTA' A	Oxidation (I
1197,57	-0,0021	0	34,56	0,011	R	GIVMGTA' A	Oxidation (I
1197,57	-0,0018	0	40,79	0,0026	R	GIVMGTA' A	Oxidation (I
1274,614	-0,0123	0	55,7	0,00021	Y	PEETNAPYC K	
1294,736	-0,0046	0	54,62	0,00017	V	VAQLIAAGC I	
1294,736	-0,0019	0	38,84	0,0059	V	VAQLIAAGC I	
1318,761	-0,0003	1	37,43	0,0056	K	KALLVQLES L	
1318,761	0,002	1	68,09	4.60E-06	K	KALLVQLES L	
1393,804	-0,0022	0	57,7	3.30E-05	Q	VVAQLIAAG I	
1427,8	-0,0018	0	58,65	6.00E-05	M	GVQLIHAA K	
1521,863	-0,0093	0	72,1	1.40E-06	K	QVVAQLIA' I	
1521,863	-0,007	0	65,78	6.50E-06	K	QVVAQLIA' I	
1521,863	-0,0068	0	65,89	6.40E-06	K	QVVAQLIA' I	
1521,863	-0,0061	0	84,37	8.40E-08	K	QVVAQLIA' I	
1521,863	-0,0052	0	82,83	1.20E-07	K	QVVAQLIA' I	
1521,863	-0,0048	0	63,74	9.70E-06	K	QVVAQLIA' I	
1521,863	-0,0009	0	59,15	2.70E-05	K	QVVAQLIA' I	
1521,863	0,0013	0	119,55	2.30E-11	K	QVVAQLIA' I	
1558,84	-0,0013	0	73,8	3.70E-06	M	MGVQLIHA K	
1616,841	0,002	0	52,75	0,00061	K	ADPVNLGT D	
1669,806	-0,0009	1	39,7	0,0045	D	GSPTREFL Y	
1689,881	0,0003	0	105,41	1.70E-09	L	MMGVQLIH K	
1779,916	-0,0088	1	72,53	3.10E-06	K	AEFGFEAQ' N	
1779,916	-0,0053	1	76,41	1.30E-06	K	AEFGFEAQ' N	
1779,916	-0,0048	1	61,34	4.00E-05	K	AEFGFEAQ' N	
1817,976	-0,0213	1	41,92	0,0038	L	MMGVQLIH F	
1996,097	-0,0125	0	54,67	0,00031	E	NQDIVIHL E	
2102,232	-0,014	1	69,67	1.00E-06	K	QVVAQLIA' S	
2102,232	-0,0133	1	49,43	0,00011	K	QVVAQLIA' S	
2102,232	-0,012	1	29,07	0,011	K	QVVAQLIA' S	
2102,232	-0,0105	1	46,68	0,00019	K	QVVAQLIA' S	
2102,232	-0,0023	1	42,01	0,00049	K	QVVAQLIA' S	
2125,139	-0,0159	0	65,15	3.30E-05	V	ENQDIVIHL E	
2125,139	-0,0115	0	55,14	0,00032	V	ENQDIVIHL E	
2224,055	-0,0169	1	55,74	0,00018	L	PVWGDGSI G	
2281,018	0,002	0	41,94	0,002	K	EEDLWNGY K	
2295,245	-0,0138	0	107,78	7.50E-10	R	AVENQDIVI E	
2295,245	-0,0134	0	117,45	8.10E-11	R	AVENQDIVI E	
2295,245	-0,0122	0	108,84	5.80E-10	R	AVENQDIVI E	
2295,245	-0,0118	0	98,44	6.40E-09	R	AVENQDIVI E	
2295,245	-0,0104	0	50,18	0,00069	R	AVENQDIVI E	
2295,245	-0,0096	0	46,38	0,0016	R	AVENQDIVI E	
2295,245	-0,0055	0	47,74	0,0012	R	AVENQDIVI E	

2295,245	-0,0046	0	98,54	5.90E-09	R	AVENQDIVI E	
2295,245	-0,0022	0	42,89	0,0034	R	AVENQDIVI E	
2635,517	-0,0094	1	74,28	1.10E-06	R	ILVTGGAGF I	
2635,517	-0,0061	1	81,12	2.30E-07	R	ILVTGGAGF I	
2977,45	-0,0067	2	43,44	0,0042	T	PVPFKEEDI A	
3009,52	-0,0002	0	43,55	0,0025	R	EKPAELFYD K	
3225,566	0,0092	2	61,13	3.60E-05	K	FTPVPFKEE A	
1118,558	-0,0086	0	50	0,0011	I	GAIVHSDH A	
1171,537	-0,0055	0	42,31	0,0014	I	MMNTVQTY T	
1288,664	-0,0087	0	47,12	0,0022	F	GIGAIVHSD A	
1435,732	-0,0079	0	93,32	2.40E-08	I	FGIGAIVHS A	
1472,7	-0,0074	0	74,57	2.60E-06	M	TSIMMNTV(T	
1472,7	-0,0073	0	52,04	0,00047	M	TSIMMNTV(T	
1472,7	-0,0043	0	91,16	5.90E-08	M	TSIMMNTV(T	
1472,7	-0,0042	0	56,69	0,00017	M	TSIMMNTV(T	
1472,7	-0,0038	0	105,56	2.10E-09	M	TSIMMNTV(T	
1472,7	-0,003	0	105,27	2.30E-09	M	TSIMMNTV(T	
1472,7	-0,0026	0	85,56	2.20E-07	M	TSIMMNTV(T	
1472,7	-0,0023	0	105,34	2.30E-09	M	TSIMMNTV(T	
1472,7	-0,0022	0	75,25	2.40E-06	M	TSIMMNTV(T	
1472,7	-0,0022	0	69,67	8.60E-06	M	TSIMMNTV(T	
1472,7	-0,0012	0	91,4	5.70E-08	M	TSIMMNTV(T	
1488,695	-0,0191	0	67,39	9.60E-06	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0136	0	51,65	0,0004	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0099	0	89,26	7.30E-08	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0099	0	58,26	9.20E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0094	0	55,39	0,00018	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0085	0	78,48	8.70E-07	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0081	0	37,5	0,011	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0079	0	71,35	4.70E-06	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0078	0	56,56	0,00014	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0075	0	102,42	3.70E-09	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0073	0	104,52	2.30E-09	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0062	0	59,69	6.90E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,006	0	67,78	1.10E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0045	0	37,27	0,012	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0042	0	47,94	0,0011	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0037	0	66,44	1.50E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0025	0	64,25	2.60E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0024	0	63,11	3.40E-05	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0017	0	46,01	0,0017	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0016	0	45,55	0,0019	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0006	0	39,91	0,007	M	TSIMMNTV(T	Oxidation (I
1488,695	-0,0004	0	52,16	0,00042	M	TSIMMNTV(T	Oxidation (I
1504,69	-0,0103	0	39,29	0,0055	M	TSIMMNTV(T	2 Oxidation
1504,69	-0,007	0	61,68	3.50E-05	M	TSIMMNTV(T	2 Oxidation
1504,69	-0,0062	0	45,35	0,0015	M	TSIMMNTV(T	2 Oxidation
1662,859	-0,0055	0	99,7	1.20E-08	A	GGIFGIGAI A	

1733,896	-0,0036	0	53,94	0,00023 E	AGGIFGIGA A	Acetyl (N-ter)
1862,939	-0,0068	0	89,97	1.20E-07 I	EAGGIFGIG A	
1971,965	0,0011	1	49,66	0,00059 M	TSIMMNTV(C N	
2206,113	-0,003	0	110,19	5.70E-10 I	ETIEAGGIF(C A	
2466,266	-0,0089	0	50,01	0,00056 K	FITIEAGGI A	
2466,266	-0,0063	0	47,62	0,00097 K	FITIEAGGI A	
2466,266	-0,0038	0	93,04	2.80E-08 K	FITIEAGGI A	
1086,603	-0,0106	1	45,44	0,0031 W	GETLEAALK E	
1086,603	-0,0087	1	53,1	0,0005 W	GETLEAALK E	
1086,603	-0,0085	1	53,6	0,00045 W	GETLEAALK E	
1176,614	-0,0099	0	48,29	0,0016 K	LLLEDYQQI F	
1176,614	-0,0087	0	48,61	0,0015 K	LLLEDYQQI F	
1176,614	-0,0084	0	53,7	0,00047 K	LLLEDYQQI F	
1176,614	-0,0066	0	65,85	2.70E-05 K	LLLEDYQQI F	
1176,614	-0,0064	0	47,53	0,0019 K	LLLEDYQQI F	
1176,614	-0,0063	0	52,19	0,00065 K	LLLEDYQQI F	
1176,614	-0,0062	0	53,14	0,00053 K	LLLEDYQQI F	
1176,614	-0,0061	0	44,88	0,0035 K	LLLEDYQQI F	
1176,614	-0,0039	0	52,31	0,00061 K	LLLEDYQQI F	
1176,614	-0,003	0	61,29	7.50E-05 K	LLLEDYQQI F	
1176,614	-0,0027	0	57,6	0,00018 K	LLLEDYQQI F	
1176,614	-0,0016	0	47,94	0,0017 K	LLLEDYQQI F	
1176,614	-0,0015	0	48,11	0,0016 K	LLLEDYQQI F	
1272,683	-0,0077	1	42,8	0,0057 E	WGETLEAA E	
1272,683	-0,0026	1	58,65	0,00014 E	WGETLEAA E	
1272,683	-0,0026	1	68,16	1.50E-05 E	WGETLEAA E	
1272,683	0,0012	1	59,38	0,00011 E	WGETLEAA E	
1333,651	-0,0035	0	48,47	0,00076 R	EFQEEVGLI E	
1401,725	-0,0008	1	58,18	9.20E-05 V	EWGETLEA E	
1401,725	0,0003	1	64,97	1.90E-05 V	EWGETLEA E	
1500,794	-0,02	1	64,9	4.10E-05 K	VEWGETLE. E	
1500,794	-0,0059	1	49,04	0,0014 K	VEWGETLE. E	
1500,794	-0,0043	1	88,99	1.40E-07 K	VEWGETLE. E	
1500,794	-0,0041	1	105,25	3.40E-09 K	VEWGETLE. E	
1500,794	-0,0035	1	70,2	1.10E-05 K	VEWGETLE. E	
1703,873	-0,0091	1	61,63	4.20E-05 R	EFQEEVGLI F	
1703,873	-0,0045	1	87,89	9.80E-08 R	EFQEEVGLI F	
1703,873	-0,003	1	75,22	1.90E-06 R	EFQEEVGLI F	
1703,873	0,0025	1	52,13	0,00037 R	EFQEEVGLI F	
1808,979	-0,0021	0	94,79	2.50E-08 P	PQFPLATV(C V	
1839,984	-0,0159	2	68,05	1.60E-05 V	PGGKVEW(C E	
1839,984	-0,0147	2	80,54	9.10E-07 V	PGGKVEW(C E	
1839,984	-0,0146	2	59,73	0,00011 V	PGGKVEW(C E	
1839,984	-0,0105	2	51,11	0,00079 V	PGGKVEW(C E	
1859,974	-0,0099	2	54,44	0,00022 K	REFQEEVG F	
1859,974	-0,0094	2	41,23	0,0045 K	REFQEEVG F	
1906,031	-0,022	0	65,79	2.90E-05 M	PPQFPLATV V	
1906,031	-0,0131	0	59,39	0,00012 M	PPQFPLATV V	

1906,031	-0,0099	0	64,21	4.00E-05	M	PPQFPLATV V
1906,031	0,0054	0	140,57	3.10E-13	M	PPQFPLATV V
1906,031	0,0062	0	111,2	2.60E-10	M	PPQFPLATV V
1906,031	0,0072	0	121,48	2.40E-11	M	PPQFPLATV V
1939,053	-0,0194	2	58,49	0,00013	G	VPGGKVEV E
1996,074	-0,0164	2	60,42	9.80E-05	W	GVPGGKVE E
2037,072	-0,0104	0	36,05	0,012	-	MPPQFPLA' V
2037,072	-0,0032	0	101,69	6.10E-09	-	MPPQFPLA' V
2340,223	-0,0016	2	100,73	4.60E-09	R	GTWGVPG( E
2458,431	0,0011	1	62,35	1.60E-05	M	PPQFPLATV T
2458,431	0,0019	1	45,66	0,00065	M	PPQFPLATV T
2458,431	0,0145	1	113,72	8.70E-11	M	PPQFPLATV T
2563,207	-0,0113	0	50,91	0,00059	E	AVNDEQFH C
2589,472	0,0018	1	100,38	1.20E-09	-	MPPQFPLA' T
2820,308	-0,0118	0	53,6	0,00011	V	QEAVNDEC C
2919,376	-0,0001	0	65,13	1.10E-05	L	VQEAVNDE C
3250,566	-0,0043	0	103,03	4.60E-09	K	FALVQEAVI C
1156,598	-0,0071	1	51,3	0,00074	K	ELGDLPKI A
1156,598	-0,0056	1	51,21	0,00082	K	ELGDLPKI A
1156,598	-0,0038	1	50,99	0,00089	K	ELGDLPKI A
1197,697	-0,0035	0	53,61	0,00014	T	KPLTGEALL V
1263,646	-0,0036	1	37,22	0,0097	V	GDEFEITLG H
1284,693	-0,0052	2	42,91	0,0052	V	KELGDLPKI A
1298,745	0,0001	0	70,03	4.80E-06	A	TKPLTGEAL V
1369,782	-0,0072	0	50,94	0,00035	N	ATKPLTGEA V
1369,782	-0,0002	0	49,28	0,0004	N	ATKPLTGEA V
1369,782	0,0026	0	81,16	2.70E-07	N	ATKPLTGEA V
1383,761	-0,0033	2	87,41	9.40E-08	K	VKELGDLPI A
1483,825	-0,0076	0	41,93	0,0032	S	NATKPLTGE V
1570,857	-0,0145	0	56,85	0,0002	K	SNATKPLTC V
1570,857	-0,0106	0	90,14	8.90E-08	K	SNATKPLTC V
1570,857	-0,007	0	85,84	2.30E-07	K	SNATKPLTC V
1570,857	-0,0057	0	41,01	0,007	K	SNATKPLTC V
1570,857	-0,0049	0	98,75	1.20E-08	K	SNATKPLTC V
1570,857	-0,0039	0	45,42	0,0025	K	SNATKPLTC V
1576,857	-0,0079	1	47,75	0,0014	V	QSNGNLLI M
1675,926	0,0028	1	52,02	0,00019	S	VQSNGNLL M
1747,947	-0,0046	0	89,73	4.60E-08	R	ISVQSNGN K
1747,947	-0,0038	0	133,08	2.10E-12	R	ISVQSNGN K
1747,947	-0,0028	0	108,89	5.60E-10	R	ISVQSNGN K
1747,947	-0,0014	0	115,22	1.20E-10	R	ISVQSNGN K
1747,947	-0,0007	0	86,79	8.90E-08	R	ISVQSNGN K
1762,958	-0,0036	1	98,94	9.00E-09	I	SVQSNGNI M
1807,914	-0,0088	1	60,62	4.70E-05	K	MSLNVGDE H
1807,914	-0,0071	1	49,34	0,00064	K	MSLNVGDE H
1807,914	-0,0028	1	112,35	3.20E-10	K	MSLNVGDE H
1876,042	-0,0135	1	144,4	1.30E-13	R	ISVQSNGN M
1936,009	-0,0171	2	52,95	0,00056	K	KMSLNVGC H

1936,009	-0,0108	2	52,57	0,00062	K	KMSLVNVC H	
1936,009	-0,0108	2	69,04	1.40E-05	K	KMSLVNVC H	
1952,004	-0,0172	2	41,99	0,0037	K	KMSLVNVC H	Oxidation (I
1952,004	-0,0115	2	39,62	0,0064	K	KMSLVNVC H	Oxidation (I
2331,044	-0,014	0	67,81	4.00E-06	K	FYNALMDA G	Oxidation (I
2331,044	-0,0094	0	57,12	5.10E-05	K	FYNALMDA G	Oxidation (I
2331,044	-0,0074	0	130,73	2.30E-12	K	FYNALMDA G	Oxidation (I
2331,044	-0,0058	0	93,15	1.40E-08	K	FYNALMDA G	Oxidation (I
2331,044	-0,0047	0	62,15	1.80E-05	K	FYNALMDA G	Oxidation (I
2585,193	-0,0099	1	50,49	0,00023	K	FYNALMDA S	
2585,193	-0,0076	1	118,22	4.00E-11	K	FYNALMDA S	
2585,193	-0,0071	1	70,72	2.30E-06	K	FYNALMDA S	
2585,193	-0,0061	1	93,24	1.30E-08	K	FYNALMDA S	
2585,193	-0,0058	1	56,72	5.90E-05	K	FYNALMDA S	
2585,193	-0,0051	1	34,41	0,01	K	FYNALMDA S	
2585,193	-0,0004	1	50,05	0,00029	K	FYNALMDA S	
2601,188	-0,0097	1	56,76	4.60E-05	K	FYNALMDA S	Oxidation (I
954,5723	-0,0068	1	38,11	0,0048	K	VRGLNQLR A	
959,4573	-0,0115	0	37,25	0,0067	V	GHLEHPDR Q	
959,4573	-0,0083	0	36,37	0,0091	V	GHLEHPDR Q	
994,5196	-0,0131	0	46,16	0,0022	K	PLVNDANP I	
1045,54	-0,0094	0	49,32	0,00066	A	LDSENSLR T	
1058,526	-0,0075	0	52,57	0,00058	A	VGHLEHPD Q	
1116,578	-0,0092	0	42,97	0,0062	I	ALDSENSL T	
1118,597	-0,0088	0	39,57	0,012	K	LTAAYPDLQ A	
1118,597	-0,0059	0	41,47	0,007	K	LTAAYPDLQ A	
1122,615	-0,0148	0	39,43	0,01	L	KPLVNDAN I	
1122,615	-0,0139	0	48,33	0,0013	L	KPLVNDAN I	
1129,563	-0,0069	0	62,35	3.10E-05	L	AVGHLEHP Q	
1129,563	-0,004	0	44,31	0,0018	L	AVGHLEHP Q	
1165,562	-0,0107	0	40,11	0,0035	K	ALLGSDNF V	
1229,662	-0,0123	0	58,18	8.80E-05	K	IALDSENSL T	
1229,662	-0,0109	0	63,43	2.80E-05	K	IALDSENSL T	
1229,662	-0,0104	0	81,13	4.50E-07	K	IALDSENSL T	
1229,662	-0,0056	0	61,92	3.70E-05	K	IALDSENSL T	
1229,662	-0,0056	0	77,04	1.10E-06	K	IALDSENSL T	
1229,662	-0,0055	0	89,24	6.80E-08	K	IALDSENSL T	
1242,647	-0,0064	0	57,98	0,00019	A	LAVGHLEH Q	
1242,647	-0,0039	0	61,15	9.30E-05	A	LAVGHLEH Q	
1246,656	-0,0054	0	53,11	0,00056	R	YAAVSQLDI A	
1246,656	-0,003	0	49,51	0,0013	R	YAAVSQLDI A	
1246,656	-0,0029	0	63,33	5.40E-05	R	YAAVSQLDI A	
1284,704	-0,0073	0	76,62	2.20E-06	K	ADLEQSLQ D	
1284,704	-0,0068	0	76,3	2.40E-06	K	ADLEQSLQ D	
1313,684	-0,0019	0	54,63	0,0002	L	ALAVGHLEI Q	
1515,841	-0,0104	1	55,21	0,00014	R	IRYAAVSQ L A	
1555,832	-0,0013	1	54,06	0,00022	K	ADLEQSLQ L	
1592,904	-0,0026	0	72,95	1.90E-06	A	FPLKPLVN I	

1663,941	-0,0041	0	41,82	0,0016 E	AFPLLKPLV I
1663,941	-0,003	0	90,41	2.30E-08 E	AFPLLKPLV I
1709,92	-0,0026	0	48,03	0,00076 D	PEIDVQSV\ L
1961,073	-0,0198	0	87,59	7.10E-08 E	PAEAFPLLK I
1961,073	-0,019	0	105,69	1.10E-09 E	PAEAFPLLK I
1961,073	-0,0169	0	39,3	0,0048 E	PAEAFPLLK I
1961,073	-0,011	0	72,91	2.00E-06 E	PAEAFPLLK I
1961,073	-0,0022	0	86,34	1.40E-07 E	PAEAFPLLK I
1961,073	-0,0021	0	102,1	3.70E-09 E	PAEAFPLLK I
1961,073	-0,0015	0	83,07	2.90E-07 E	PAEAFPLLK I
2090,116	-0,0262	0	69,45	6.50E-06 L	EPAEAFPLL I
2090,116	-0,0174	0	36,57	0,012 L	EPAEAFPLL I
2090,116	-0,0045	0	78,38	6.70E-07 L	EPAEAFPLL I
2199,142	-0,0041	0	78,86	1.40E-06 R	LFNDPEIDV L
2230,259	-0,0044	1	48,58	0,00075 E	PAEAFPLLK Y
2274,237	-0,0223	0	124,53	1.60E-11 R	ALEPAEAF I
2274,237	-0,0221	0	101,69	3.00E-09 R	ALEPAEAF I
2274,237	-0,0043	0	42,09	0,0022 R	ALEPAEAF I
2380,271	-0,0134	2	42,68	0,0058 V	SQLDPVGK L
2479,339	0,001	2	39,98	0,0074 A	VSQLDAPVG L
2550,377	0,0019	2	42,83	0,0018 A	AVSQLDAPV\ L
2738,409	0,0051	0	127,5	9.30E-12 R	QSLQQLA\ -
2784,477	-0,0109	2	73,87	1.90E-06 R	YAAVSQLDI L
2784,477	-0,0009	2	100,02	4.30E-09 R	YAAVSQLDI L
1028,587	-0,0124	1	51,35	0,00074 L	DVALAKIG G
1115,641	-0,0068	1	35,32	0,011 E	GAVIGTSSL L
1138,646	-0,0111	1	49,74	0,00062 K	RTDLAVHSI D
1138,646	-0,005	1	47,64	0,00081 K	RTDLAVHSI D
1138,646	-0,0047	1	52,5	0,00026 K	RTDLAVHSI D
1138,646	-0,0046	1	51,63	0,00032 K	RTDLAVHSI D
1141,671	-0,0076	1	47,54	0,00047 I	LDVALAKIG G
1141,671	-0,0065	1	72,28	1.60E-06 I	LDVALAKIG G
1185,635	-0,0108	0	50,85	0,00045 L	PEGAVIGTS R
1185,635	-0,0079	0	42,84	0,003 L	PEGAVIGTS R
1243,666	-0,008	0	36,5	0,013 R	EGDQEILSL V
1243,666	-0,0076	0	57,56	0,0001 R	EGDQEILSL V
1254,755	-0,0101	1	68,21	4.50E-06 K	ILDVALAKI G
1254,755	-0,0068	1	75,59	8.40E-07 K	ILDVALAKI G
1274,629	-0,0064	1	49,19	0,0012 T	QELEDGML T
1341,737	-0,0095	1	48,65	0,00075 L	PEGAVIGTS L
1341,737	-0,0018	1	37,13	0,01 L	PEGAVIGTS L
1341,737	-0,0014	1	40,66	0,0045 L	PEGAVIGTS L
1375,677	0,0016	1	53,32	0,00026 F	TQELEDGMT
1379,789	-0,0096	1	66,72	4.70E-06 K	RVNPADAL' H
1379,789	-0,0072	1	73,1	1.10E-06 K	RVNPADAL' H
1379,789	-0,0067	1	66,04	5.80E-06 K	RVNPADAL' H
1379,789	-0,0064	1	34,52	0,0082 K	RVNPADAL' H
1379,789	-0,0052	1	43,24	0,0011 K	RVNPADAL' H

1379,789	-0,0047	1	68,44	3.40E-06	K	RVNPADAL' H	
1379,789	-0,0047	1	72,15	1.50E-06	K	RVNPADAL' H	
1379,789	0,0019	1	72,48	1.10E-06	K	RVNPADAL' H	
1454,821	-0,0023	1	50,48	0,00054	S	LPEGAVIGT L	
1522,745	-0,0045	1	65,46	2.80E-05	L	FTQELEDGIT	
1522,745	-0,0015	1	51,63	0,00066	L	FTQELEDGIT	
1526,656	-0,0072	0	57,87	3.20E-05	R	QFDVETME I	
1526,656	-0,0025	0	35,25	0,0063	R	QFDVETME I	
1541,853	-0,0028	1	58,07	7.20E-05	A	SLPEGAVIG L	
1541,853	-0,0012	1	41,38	0,0032	A	SLPEGAVIG L	
1541,853	-0,0005	1	58,47	6.30E-05	A	SLPEGAVIG L	
1542,651	-0,0098	0	33,2	0,0055	R	QFDVETME I	Oxidation (I
1542,651	-0,0056	0	42,07	0,00079	R	QFDVETME I	Oxidation (I
1570,821	-0,0052	0	55,38	0,00033	L	PTNLPAGL' R	
1612,89	0,0005	1	60,68	6.00E-05	L	ASLPEGAVI L	
1612,89	0,0005	1	43,24	0,0033	L	ASLPEGAVI L	
1692,851	-0,0015	1	88,51	1.60E-07	K	GLFTQELEI' T	
1692,851	-0,0011	1	55,69	0,0003	K	GLFTQELEI' T	
1692,851	0	1	53,39	0,00052	K	GLFTQELEI' T	
1782,911	-0,0028	1	100,79	9.00E-09	R	EQGAGEIL' -	
1841,001	-0,0087	1	52,42	0,00028	K	DLASLPEG/ L	
1841,001	-0,0077	1	49,75	0,00053	K	DLASLPEG/ L	
1841,001	-0,0066	1	40,57	0,0072	K	DLASLPEG/ L	
1841,001	-0,0055	1	47,44	0,00087	K	DLASLPEG/ L	
1841,001	-0,0041	1	102,75	4.10E-09	K	DLASLPEG/ L	
1932,979	-0,0079	0	43,13	0,0058	K	LDSNEYDA L	
1932,979	-0,0028	0	113,98	4.70E-10	K	LDSNEYDA L	
2003,026	-0,0255	0	41,57	0,0043	I	PPEISLHAV E	
2052,096	-0,0216	2	68,76	6.70E-06	K	LREQGAGE -	
2052,096	-0,0127	2	44,92	0,0016	K	LREQGAGE -	
2052,096	-0,0045	2	67,38	8.70E-06	K	LREQGAGE -	
2052,096	-0,0014	2	38,94	0,0059	K	LREQGAGE -	
2062,074	-0,002	0	109,7	6.00E-10	K	SQLALVQT' H	
2062,074	0,0013	0	100,56	4.80E-09	K	SQLALVQT' H	
2178,964	-0,0143	1	41,08	0,0023	K	HFPDRQFD I	
2178,964	-0,0128	1	38,56	0,0043	K	HFPDRQFD I	
2178,964	-0,0121	1	54,22	0,00012	K	HFPDRQFD I	
2178,964	-0,0121	1	43,73	0,0013	K	HFPDRQFD I	
2178,964	-0,0115	1	72,04	2.00E-06	K	HFPDRQFD I	
2178,964	-0,0098	1	66,99	6.30E-06	K	HFPDRQFD I	
2178,964	-0,0087	1	61,63	2.20E-05	K	HFPDRQFD I	
2245,195	-0,0146	1	39,71	0,0098	R	LAKLDSNE\ L	
2245,195	-0,01	1	38,93	0,011	R	LAKLDSNE\ L	
2245,195	-0,0076	1	79,89	8.60E-07	R	LAKLDSNE\ L	
2245,195	0,0003	1	43,05	0,0043	R	LAKLDSNE\ L	
968,5403	-0,0104	0	41,76	0,0046	D	PLNVSNLG Y	
968,5403	-0,0063	0	44,81	0,0021	D	PLNVSNLG Y	
1014,561	-0,0113	0	41,84	0,0072	E	QAGLFQPV S	

1099,526	-0,0118	0	56,99	5.70E-05	Q	PEGNDTAQ A
1121,583	-0,0099	0	35,97	0,012	R	IAIHGEPETI R
1121,583	-0,0073	0	40,04	0,0046	R	IAIHGEPETI R
1121,583	-0,0062	0	65,79	1.20E-05	R	IAIHGEPETI R
1121,583	-0,0062	0	47,33	0,00086	R	IAIHGEPETI R
1121,583	-0,0052	0	46,63	0,00098	R	IAIHGEPETI R
1140,589	-0,0071	0	47,89	0,0015	K	GDPLNVSN Y
1214,641	-0,0066	0	39,19	0,014	R	AEQAGLFQ S
1214,641	-0,0066	0	71,3	8.50E-06	R	AEQAGLFQ S
1214,641	-0,0065	0	58,22	0,00017	R	AEQAGLFQ S
1214,641	-0,0054	0	49,11	0,0014	R	AEQAGLFQ S
1223,594	-0,0087	0	46,54	0,00084	S	LFFPNTGSC G
1237,678	-0,0074	0	83,34	1.40E-07	R	GTHVNVSG N
1237,678	-0,0072	0	41,08	0,0025	R	GTHVNVSG N
1237,678	-0,0063	0	73,3	1.40E-06	R	GTHVNVSG N
1237,678	-0,0059	0	93,14	1.40E-08	R	GTHVNVSG N
1237,678	-0,0058	0	54,54	0,0001	R	GTHVNVSG N
1237,678	-0,0049	0	70,67	2.50E-06	R	GTHVNVSG N
1259,678	-0,0118	0	50,98	0,00044	R	WLQGLVGN Q
1286,71	-0,0091	1	47,92	0,0015	E	QAGLFQPV L
1316,61	-0,005	0	56,82	0,00011	K	STDPADQE V
1357,772	-0,0059	0	86,82	6.70E-08	V	PIDPVLAAG
1409,694	-0,0073	0	62,97	2.20E-05	K	VSLFFPNTC G
1409,694	-0,0059	0	65,68	1.30E-05	K	VSLFFPNTC G
1409,694	-0,0052	0	49,17	0,00056	K	VSLFFPNTC G
1409,694	-0,005	0	63,41	2.10E-05	K	VSLFFPNTC G
1409,694	-0,0049	0	47,08	0,00091	K	VSLFFPNTC G
1409,694	-0,0048	0	63,25	2.20E-05	K	VSLFFPNTC G
1409,694	-0,0042	0	50,47	0,0004	K	VSLFFPNTC G
1409,694	-0,0033	0	53,33	0,00021	K	VSLFFPNTC G
1409,694	-0,0031	0	49,62	0,00049	K	VSLFFPNTC G
1409,694	0	0	47,61	0,0008	K	VSLFFPNTC G
1486,789	-0,0094	1	57,55	0,00019	R	AEQAGLFQ L
1486,789	-0,0081	1	78,44	1.60E-06	R	AEQAGLFQ L
1486,789	-0,0056	1	46,18	0,0026	R	AEQAGLFQ L
1610,914	-0,005	0	69,39	5.50E-06	I	PGVPIDPVL G
1610,914	-0,0023	0	59,95	4.70E-05	I	PGVPIDPVL G
1989,101	-0,01	0	48,11	0,00057	K	ILVRPSSNV I
2000,037	-0,0091	0	71,04	4.70E-06	R	AIAAGIGDV L
2174,217	-0,0089	1	47,21	0,00046	R	GKILVRPSS I
2198,102	-0,0323	1	42,4	0,0029	R	IPENLRHPC A
2198,102	-0,017	1	94,58	2.00E-08	R	IPENLRHPC A
2198,102	-0,0145	1	71,31	4.20E-06	R	IPENLRHPC A
2198,102	-0,0142	1	107,05	1.10E-09	R	IPENLRHPC A
2198,102	-0,0124	1	45,85	0,0015	R	IPENLRHPC A
2198,102	-0,0116	1	111,2	4.50E-10	R	IPENLRHPC A
2198,102	-0,0113	1	40,52	0,0052	R	IPENLRHPC A
2198,102	-0,0087	1	80,86	4.80E-07	R	IPENLRHPC A



2198,102	-0,0059	1	58,66	8.10E-05	R	IPENLRHPC A
2369,274	-0,0099	1	41,03	0,0059	R	AIAAGIGDV S
2469,251	-0,0129	1	94,43	2.10E-08	R	WLQGLVGMA
2469,251	-0,0093	1	54,54	0,0002	R	WLQGLVGMA
2480,35	-0,0079	1	72,52	2.10E-06	V	PIDPVLAAY
2501,23	-0,0111	2	65,89	1.30E-05	R	DRVNPADL I
2629,361	0,0045	1	57,91	0,00016	K	VSLFFPNTC N
2733,493	-0,005	1	42,56	0,0015	I	PGVPIDPVL Y
1105,479	-0,0077	0	50,41	0,00013	S	WDGDNAAY Q
1218,615	-0,0077	1	39,3	0,013	E	PEGDFFRVI I
1341,736	-0,006	1	43,12	0,0028	R	AIELSNIVRC Q
1341,736	-0,005	1	42,69	0,0031	R	AIELSNIVRC Q
1341,736	-0,004	1	66,49	1.30E-05	R	AIELSNIVRC Q
1433,654	-0,0138	0	74,84	7.30E-07	R	QISWDGDM Q
1433,654	-0,0099	0	51,08	0,00018	R	QISWDGDM Q
1433,654	-0,0093	0	40,27	0,0022	R	QISWDGDM Q
1433,654	-0,0084	0	74,41	8.60E-07	R	QISWDGDM Q
1433,654	-0,0079	0	88,9	3.10E-08	R	QISWDGDM Q
1433,654	-0,0079	0	73,57	1.00E-06	R	QISWDGDM Q
1433,654	-0,0077	0	76,11	5.80E-07	R	QISWDGDM Q
1433,654	-0,0076	0	61,61	1.70E-05	R	QISWDGDM Q
1433,654	-0,0075	0	76,26	5.80E-07	R	QISWDGDM Q
1433,654	-0,0075	0	93,79	1.00E-08	R	QISWDGDM Q
1433,654	-0,0074	0	80,6	2.10E-07	R	QISWDGDM Q
1433,654	-0,0057	0	88,53	3.60E-08	R	QISWDGDM Q
1433,654	-0,0056	0	88,85	3.40E-08	R	QISWDGDM Q
1433,654	-0,0034	0	87,18	5.10E-08	R	QISWDGDM Q
1433,654	-0,003	0	54,89	8.70E-05	R	QISWDGDM Q
1433,654	-0,0026	0	88,7	3.80E-08	R	QISWDGDM Q
1433,654	-0,0014	0	48,74	0,00038	R	QISWDGDM Q
1433,654	0,0006	0	54,62	9.80E-05	R	QISWDGDM Q
1441,705	-0,0062	0	62,93	2.20E-05	L	NELPTEGVIA
1444,71	-0,0055	1	44,67	0,0034	A	PEPEGDFFI I
1444,71	-0,0038	1	44,4	0,0036	A	PEPEGDFFI I
1744,817	-0,0023	1	58,69	8.60E-05	L	DNAPEPEGI
1817,858	-0,004	0	48,86	0,00049	R	QALLDNAP V
1817,858	-0,0023	0	71,82	2.50E-06	R	QALLDNAP V
1817,858	-0,0018	0	79,06	4.90E-07	R	QALLDNAP V
1817,858	-0,0016	0	53,23	0,00019	R	QALLDNAP V
1817,858	-0,0012	0	87,6	6.90E-08	R	QALLDNAP V
1817,858	-0,001	0	81,9	2.60E-07	R	QALLDNAP V
1817,858	0	0	87,09	7.80E-08	R	QALLDNAP V
1970,985	-0,0197	1	58,98	6.20E-05	A	LLDNAPEPI I
1970,985	-0,0194	1	38,57	0,0068	A	LLDNAPEPI I
1970,985	-0,0092	1	80,77	4.40E-07	A	LLDNAPEPI I
1970,985	-0,0085	1	57,32	9.90E-05	A	LLDNAPEPI I
2170,081	-0,0232	1	78,68	1.40E-06	R	QALLDNAP I
2170,081	-0,0152	1	57,98	0,00017	R	QALLDNAP I

2170,081	-0,0147	1	60,37	9.70E-05	R	QALLDNAP I	
2170,081	-0,0136	1	72,55	5.90E-06	R	QALLDNAP I	
2170,081	-0,012	1	84,19	4.10E-07	R	QALLDNAP I	
2170,081	-0,0102	1	72,71	5.70E-06	R	QALLDNAP I	
2170,081	-0,0099	1	80,17	1.10E-06	R	QALLDNAP I	
2170,081	-0,0095	1	104,99	3.50E-09	R	QALLDNAP I	
2170,081	-0,0085	1	87,42	2.00E-07	R	QALLDNAP I	
1401,71	-0,0105	0	45,47	0,0015	I	PLDEAGGT Q	
1401,71	-0,0087	0	59,2	6.70E-05	I	PLDEAGGT Q	
1401,71	-0,006	0	52,94	0,00027	I	PLDEAGGT Q	
1401,71	-0,0034	0	64,55	2.00E-05	I	PLDEAGGT Q	
1401,71	-0,0021	0	72,7	3.20E-06	I	PLDEAGGT Q	
1401,71	-0,0012	0	63,62	2.70E-05	I	PLDEAGGT Q	
1401,71	-0,0003	0	65,77	1.70E-05	I	PLDEAGGT Q	
1401,71	0,0014	0	85,11	1.80E-07	I	PLDEAGGT Q	
1415,814	-0,0053	1	45,54	0,00077	R	RDNVLALVIN	
1415,814	-0,0011	1	67,05	4.40E-06	R	RDNVLALVIN	
1415,814	0	1	80,66	1.80E-07	R	RDNVLALVIN	
1615,842	-0,0086	0	80,9	5.10E-07	R	TIPLDEAGG Q	
1615,842	-0,0083	0	77,66	1.10E-06	R	TIPLDEAGG Q	
1615,842	-0,0076	0	58,14	9.60E-05	R	TIPLDEAGG Q	
1615,842	-0,0058	0	92,9	3.10E-08	R	TIPLDEAGG Q	
1615,842	-0,0058	0	45,26	0,0018	R	TIPLDEAGG Q	
1615,842	-0,0049	0	120,81	5.30E-11	R	TIPLDEAGG Q	
1615,842	-0,0029	0	96,47	1.30E-08	R	TIPLDEAGG Q	
1615,842	-0,0025	0	79,97	6.00E-07	R	TIPLDEAGG Q	
1615,842	-0,001	0	109,87	6.30E-10	R	TIPLDEAGG Q	
1810,917	-0,0072	0	89,93	1.10E-07	K	TNNNVSLG R	
1810,917	-0,0057	0	78,51	1.60E-06	K	TNNNVSLG R	
1810,917	-0,0042	0	46,22	0,0026	K	TNNNVSLG R	
1810,917	-0,0036	0	72,98	5.60E-06	K	TNNNVSLG R	
1810,917	-0,0011	0	116,74	2.30E-10	K	TNNNVSLG R	
1810,917	-0,0008	0	101,37	8.00E-09	K	TNNNVSLG R	
1810,917	-0,0008	0	118,28	1.60E-10	K	TNNNVSLG R	
1810,917	-0,0004	0	119,95	1.10E-10	K	TNNNVSLG R	
1810,917	0,0006	0	136,91	2.20E-12	K	TNNNVSLG R	
1810,917	0,0019	0	53,69	0,00047	K	TNNNVSLG R	
1810,917	0,002	0	98,46	1.60E-08	K	TNNNVSLG R	
1810,917	0,0021	0	100,08	1.10E-08	K	TNNNVSLG R	
2419,234	-0,0084	1	40,96	0,0093	R	TIPLDEAGG I	
2531,308	-0,0039	1	84,57	2.10E-07	A	VELTESTRTI Q	
2997,309	-0,0069	0	71,9	7.50E-07	K	SYDGEDDY N	
3013,304	0,0047	0	43,53	0,00088	K	SYDGEDDY N	Oxidation (I
3208,72	-0,0049	2	51,26	0,00058	K	TNNNVSLG N	
1173,531	-0,0055	1	46,3	0,00049	K	KYPMFADMA	Oxidation (I
1195,526	-0,012	0	51,11	0,00013	N	PEDAFAYNI G	
1195,526	-0,012	0	45,42	0,00048	N	PEDAFAYNI G	
1195,526	-0,0117	0	35,56	0,0046	N	PEDAFAYNI G	

1195,526	-0,0115	0	38,43	0,0024	N	PEDAFAYNI G
1195,526	-0,0108	0	47,65	0,00029	N	PEDAFAYNI G
1308,62	-0,0065	0	43,7	0,0033	F	AATEAGDF\ Y
1309,569	-0,0132	0	53,43	5.30E-05	V	NPEDAFAYI G
1314,647	-0,0165	0	57,98	0,00013	K	FPQNPAVM G
1314,647	-0,0057	0	60,35	8.80E-05	K	FPQNPAVM G
1314,647	-0,0045	0	54,29	0,00036	K	FPQNPAVM G
1314,647	-0,0037	0	66,51	2.20E-05	K	FPQNPAVM G
1314,647	-0,0031	0	72,2	5.80E-06	K	FPQNPAVM G
1314,647	-0,0027	0	63,74	4.00E-05	K	FPQNPAVM G
1314,647	-0,0016	0	52,16	0,0006	K	FPQNPAVM G
1314,647	-0,0001	0	69,44	1.10E-05	K	FPQNPAVM G
1367,756	-0,0062	1	60,79	3.20E-05	R	RWPPSVIS\ F
1367,756	-0,004	1	55,96	8.50E-05	R	RWPPSVIS\ F
1367,756	-0,0034	1	39,59	0,0037	R	RWPPSVIS\ F
1479,674	-0,0023	0	47,15	0,00055	L	AVNPEDAF, G
1479,674	0,0013	0	48,49	0,00042	L	AVNPEDAF, G
1526,725	-0,0089	0	45,76	0,0018	K	AFAATEAG\ Y
1526,725	-0,0086	0	76,14	1.70E-06	K	AFAATEAG\ Y
1526,725	-0,0084	0	102,17	4.20E-09	K	AFAATEAG\ Y
1526,725	-0,005	0	110,02	7.20E-10	K	AFAATEAG\ Y
1526,725	-0,0043	0	99,12	9.00E-09	K	AFAATEAG\ Y
1526,725	-0,0043	0	99,95	7.50E-09	K	AFAATEAG\ Y
1526,725	-0,0032	0	85,81	2.00E-07	K	AFAATEAG\ Y
1526,725	-0,0032	0	110,4	7.00E-10	K	AFAATEAG\ Y
1526,725	-0,0029	0	58,2	0,00012	K	AFAATEAG\ Y
1526,725	-0,0027	0	45,6	0,0021	K	AFAATEAG\ Y
1526,725	-0,0022	0	67,66	1.30E-05	K	AFAATEAG\ Y
1526,725	-0,0014	0	76,68	1.60E-06	K	AFAATEAG\ Y
1526,725	-0,0007	0	80,47	7.00E-07	K	AFAATEAG\ Y
1526,725	-0,0005	0	115,07	2.40E-10	K	AFAATEAG\ Y
1691,827	-0,0037	0	72,4	3.00E-06	R	VLAVNPED, G
1691,827	-0,0034	0	108,42	7.40E-10	R	VLAVNPED, G
1691,827	-0,0031	0	95,08	1.60E-08	R	VLAVNPED, G
1691,827	-0,0004	0	78,06	8.10E-07	R	VLAVNPED, G
1728,844	-0,0087	1	52,73	0,00045	K	FPQNPAVM V
1728,844	-0,0084	1	40,51	0,0077	K	FPQNPAVM V
1728,844	-0,0017	1	52,42	0,00052	K	FPQNPAVM V
1758,852	0,0024	0	103,64	4.40E-09	I	PLTDEQLE\ A
1968,989	-0,0017	0	72,22	6.40E-06	S	PIPLTDEQL A
2056,021	-0,0017	0	64,87	1.80E-05	E	SPIPLTDEQ A
2286,112	0,0004	0	97,61	8.60E-09	A	TESPIPLTDI A
1060,555	-0,0141	0	49,62	0,0013	I	FPDTGAAAI R
1069,588	-0,0107	1	50,92	0,00038	F	PDTGAAAL\ D
1088,562	-0,0096	0	49,82	0,0012	V	PFQIGDLG\ Y
1100,587	-0,0058	1	48,13	0,0017	K	RGGIMANL F
1195,62	-0,0108	0	44,74	0,0012	L	PEKPAGEAI L
1216,656	-0,0057	1	54,45	0,00036	I	FPDTGAAAI D

1286,723	-0,009	0	63,26	3.20E-05	R	IIFPDTGAA/ R
1286,723	-0,0089	0	49,19	0,00081	R	IIFPDTGAA/ R
1286,723	-0,0088	0	61,61	4.60E-05	R	IIFPDTGAA/ R
1286,723	-0,0038	0	46,59	0,0014	R	IIFPDTGAA/ R
1302,605	-0,0041	0	38,59	0,0087	N	PQAASSEG R
1308,704	-0,0113	0	41,34	0,0064	E	LPEKPAGE/ L
1442,825	-0,0015	1	37,32	0,008	R	IIFPDTGAA/ D
1771,895	-0,0009	0	105,06	1.80E-09	V	PSTIDEAISE A
1830,901	0,0012	1	65,73	3.10E-05	K	RDWGEVPF Y
1968,016	-0,0151	0	44,29	0,0021	L	PVPSTIDEA A
2168,132	-0,0026	0	63,15	2.70E-05	M	SLPVPSTIDI A
2228,092	-0,022	0	56,92	9.40E-05	R	LLIEGTNAN R
2228,092	-0,0188	0	81,5	3.30E-07	R	LLIEGTNAN R
2228,092	-0,0187	0	87,3	8.60E-08	R	LLIEGTNAN R
2228,092	-0,0119	0	53,22	0,00024	R	LLIEGTNAN R
2228,092	-0,0111	0	56,17	0,00012	R	LLIEGTNAN R
2228,092	-0,011	0	41,2	0,0038	R	LLIEGTNAN R
2228,092	-0,0107	0	99,29	6.00E-09	R	LLIEGTNAN R
2228,092	-0,0107	0	47,68	0,00087	R	LLIEGTNAN R
2228,092	-0,0106	0	93,49	2.30E-08	R	LLIEGTNAN R
2228,092	-0,0105	0	51,44	0,00037	R	LLIEGTNAN R
2228,092	-0,0087	0	152,52	2.80E-14	R	LLIEGTNAN R
2228,092	-0,0084	0	189,09	6.20E-18	R	LLIEGTNAN R
2228,092	-0,0037	0	60,85	4.20E-05	R	LLIEGTNAN R
2228,092	-0,0037	0	74,83	1.70E-06	R	LLIEGTNAN R
2228,092	-0,0035	0	168,56	7.30E-16	R	LLIEGTNAN R
2228,092	-0,0028	0	60,28	5.00E-05	R	LLIEGTNAN R
2228,092	-0,0028	0	176,23	1.30E-16	R	LLIEGTNAN R
2228,092	-0,0026	0	39,46	0,0061	R	LLIEGTNAN R
2384,193	-0,0084	1	81,72	3.90E-07	R	LLIEGTNAN G
2384,193	-0,0066	1	188,93	7.20E-18	R	LLIEGTNAN G
2434,305	-0,0107	0	82,95	4.40E-07	R	FLSTLFSAY' S
2587,375	-0,0048	1	65,97	1.90E-05	R	KIAESDQVF L
1216,693	-0,0065	1	44,43	0,0021	K	TILFPLDRSI E
1216,693	0,0001	1	42,87	0,0026	K	TILFPLDRSI E
1515,772	-0,0026	1	53,02	0,0003	R	EARDAAQM I
1547,794	-0,0071	0	36,6	0,013	L	EAAQAVFS( T
1547,794	-0,0012	0	54,82	0,00018	L	EAAQAVFS( T
1559,816	-0,0086	0	45,15	0,0017	R	GLGLTTEG\ V
1559,816	-0,0066	0	42,64	0,0033	R	GLGLTTEG\ V
1559,816	-0,0063	0	98,52	8.40E-09	R	GLGLTTEG\ V
1559,816	-0,0021	0	61,8	3.90E-05	R	GLGLTTEG\ V
1559,816	-0,0013	0	65,09	1.80E-05	R	GLGLTTEG\ V
1559,816	0,0005	0	39,74	0,0062	R	GLGLTTEG\ V
1559,816	0,0007	0	54,67	0,0002	R	GLGLTTEG\ V
1605,945	-0,0016	0	114,52	3.50E-11	K	IHQSQLILL' N
1605,945	-0,0015	0	75,23	3.00E-07	K	IHQSQLILL' N
1605,945	-0,0003	0	91,53	6.20E-09	K	IHQSQLILL' N

1605,945	0,0009	0	84,39	3.20E-08	K	IHQSQLILL' N	
1773,963	-0,006	0	105,57	1.30E-09	K	LLEAAQAVF T	
1773,963	-0,0052	0	72,74	2.30E-06	K	LLEAAQAVF T	
1773,963	-0,0033	0	79,74	4.70E-07	K	LLEAAQAVF T	
1773,963	-0,0017	0	79,95	4.30E-07	K	LLEAAQAVF T	
1773,963	-0,001	0	101,42	3.10E-09	K	LLEAAQAVF T	
1773,963	-0,0009	0	74,14	1.70E-06	K	LLEAAQAVF T	
1773,963	-0,0004	0	111,05	3.40E-10	K	LLEAAQAVF T	
1773,963	-0,0001	0	109,45	4.90E-10	K	LLEAAQAVF T	
1773,963	0,0004	0	59,64	4.80E-05	K	LLEAAQAVF T	
1773,963	0,0005	0	105,8	1.20E-09	K	LLEAAQAVF T	
1773,963	0,0029	0	81,57	2.80E-07	K	LLEAAQAVF T	
1773,963	0,0052	0	93,66	1.70E-08	K	LLEAAQAVF T	
1773,963	0,0056	0	124,7	1.30E-11	K	LLEAAQAVF T	
1773,963	0,0083	0	65,74	1.00E-05	K	LLEAAQAVF T	
1777,769	-0,0087	0	44,57	0,00033	P	GQDHEAH( L	
1874,822	-0,0109	0	33,05	0,006	P	PGQDHEAH L	
1874,822	-0,0101	0	83,21	6.00E-08	P	PGQDHEAH L	
1874,822	-0,0082	0	68,43	1.90E-06	P	PGQDHEAH L	
1971,875	-0,0047	0	36,72	0,0076	N	PPGQDHEA L	
1971,875	-0,0037	0	41,67	0,0025	N	PPGQDHEA L	
2085,917	-0,0068	0	50,21	0,00027	K	NPPGQDHI L	
2085,917	-0,0066	0	62,2	1.70E-05	K	NPPGQDHI L	
2101,912	-0,0129	0	32,64	0,0055	K	NPPGQDHI L	Oxidation (I
2101,912	-0,0084	0	40,99	0,00085	K	NPPGQDHI L	Oxidation (I
1182,509	-0,0099	0	32,9	0,01	T	WDENFPG\ A	
1193,604	-0,0085	0	41,01	0,0038	M	TATVTAQEA A	
1193,604	-0,0052	0	65,1	1.50E-05	M	TATVTAQEA A	
1317,682	-0,0063	1	36,61	0,014	K	IRGTEICQV V	
1446,62	-0,0105	0	37,84	0,0025	R	YTWDENFP A	
1446,62	-0,0073	0	64,68	5.60E-06	R	YTWDENFP A	
1446,62	-0,0049	0	63,67	7.60E-06	R	YTWDENFP A	
1446,62	-0,0027	0	64,98	6.10E-06	R	YTWDENFP A	
1446,62	-0,0027	0	57,34	3.60E-05	R	YTWDENFP A	
1446,62	-0,0023	0	54,44	6.90E-05	R	YTWDENFP A	
1498,763	-0,0054	0	85,82	3.00E-07	L	PTQQTVEAI I	
1629,829	-0,0061	0	38,23	0,0083	K	IFTDFSFTNI -	
1910,947	-0,0039	0	116,97	2.20E-10	F	TINTEESLD` Y	
1910,947	-0,0037	0	74,88	3.50E-06	F	TINTEESLD` Y	
1910,947	-0,0013	0	106,58	2.40E-09	F	TINTEESLD` Y	
1910,947	0,0055	0	87,49	2.00E-07	F	TINTEESLD` Y	
2150,945	-0,0121	1	88,84	1.50E-08	R	AAYENRYTV A	
2150,945	-0,0113	1	87,32	2.10E-08	R	AAYENRYTV A	
2150,945	-0,004	1	105,11	3.80E-10	R	AAYENRYTV A	
2159,05	-0,0171	1	68,88	5.60E-06	R	AHLTVTQGI A	
2159,05	-0,0083	1	48,54	0,00068	R	AHLTVTQGI A	
2159,05	-0,0078	1	88,54	6.70E-08	R	AHLTVTQGI A	
2159,05	-0,0077	1	74,67	1.60E-06	R	AHLTVTQGI A	

2159,05	-0,0038	1	97,02	1.80E-08	R	AHLTVTQGI A	
2447,186	-0,0078	2	42,76	0,0025	S	DETVQESV' Q	
2534,218	-0,0018	2	44,85	0,0014	F	SDETVQES' Q	
2681,287	-0,0112	2	56,5	9.20E-05	G	FSDETVQE' Q	
2738,308	0,0005	2	96,44	9.90E-09	T	GFSDETVQ Q	
2822,34	-0,0165	2	62	2.30E-05	K	GKRDFTEY I	
2839,356	0,0013	2	115,93	2.20E-10	V	TGFSDETV( Q	
2839,356	0,0017	2	58,78	0,00011	V	TGFSDETV( Q	
2938,424	-0,0003	2	60,15	9.30E-05	T	VTGFSDET\ Q	
3039,472	0,0017	2	76,46	1.20E-06	V	TVTGFSDET Q	
3138,54	0,0071	2	62,19	3.10E-05	T	VTVTGFSDI Q	
3239,588	-0,0003	2	43,48	0,0022	Y	TVTVTFGSD Q	
3448,679	0,001	2	59,41	0,00011	K	GKRDFTEY I	
3448,679	0,0026	2	140,24	8.60E-13	K	GKRDFTEY I	
3588,716	-0,0049	2	41,74	0,0024	K	ADYTVTVTG Q	
3588,716	-0,0018	2	53,12	0,00018	K	ADYTVTVTG Q	
1249,718	-0,0153	0	44,22	0,0008	V	PWDIPLL\ E	
1249,718	-0,0146	0	39,67	0,0023	V	PWDIPLL\ E	
1400,668	-0,0153	0	74,1	2.60E-06	K	EGDDQAW Q	
1400,668	-0,0094	0	69,52	8.30E-06	K	EGDDQAW Q	
1400,668	-0,009	0	61,77	4.90E-05	K	EGDDQAW Q	
1400,668	-0,007	0	80,48	6.70E-07	K	EGDDQAW Q	
1400,668	-0,0008	0	49,02	0,00098	K	EGDDQAW Q	
1436,788	-0,0041	0	40,05	0,007	K	TTTTSLVQA A	
1502,861	-0,0056	0	52,92	0,0002	S	PGVPWDIP E	
1535,813	-0,0015	0	66,96	9.30E-06	R	HMGQPLV( L	
1535,813	-0,0006	0	56,01	0,00012	R	HMGQPLV( L	
1555,719	-0,0058	0	91,08	2.30E-08	K	ATNYDAAE\ G	
1555,719	-0,0047	0	97,07	5.70E-09	K	ATNYDAAE\ G	
1555,719	-0,0047	0	82,14	1.80E-07	K	ATNYDAAE\ G	
1555,719	-0,0041	0	70,64	2.70E-06	K	ATNYDAAE\ G	
1555,719	-0,0039	0	101,14	2.40E-09	K	ATNYDAAE\ G	
1555,719	-0,0039	0	93,61	1.40E-08	K	ATNYDAAE\ G	
1555,719	-0,0019	0	113,5	1.40E-10	K	ATNYDAAE\ G	
1555,719	-0,0011	0	72,5	1.80E-06	K	ATNYDAAE\ G	
1555,719	0,0009	0	50,78	0,00028	K	ATNYDAAE\ G	
1571,714	-0,0117	0	91,17	1.70E-08	K	ATNYDAAE\ G	Oxidation (I
1571,714	-0,0087	0	82,11	1.40E-07	K	ATNYDAAE\ G	Oxidation (I
1571,714	-0,0045	0	49,84	0,00026	K	ATNYDAAE\ G	Oxidation (I
1589,893	-0,0043	0	51,84	0,00016	V	SPGVPWDI E	
1654,904	0,0013	0	83,15	3.80E-07	K	AITETLLTFT L	
1656,822	-0,0033	1	60,91	8.80E-05	K	EGDDQAW A	
1901,114	0,0006	0	84,7	3.90E-08	R	IVVSPGVPV E	
1939,126	-0,0066	1	37,51	0,0035	K	AVAVLLIGD A	
1962,988	-0,0173	0	42,45	0,0059	K	MPGQHNQ L	
1962,988	-0,0171	0	44,25	0,0039	K	MPGQHNQ L	
1962,988	-0,0161	0	66,33	2.50E-05	K	MPGQHNQ L	
1962,988	-0,0099	0	85,05	3.60E-07	K	MPGQHNQ L	

1962,988	-0,0096	0	65,82	3.10E-05	K	MPGQHNQ L	
1962,988	-0,0055	0	40,83	0,0088	K	MPGQHNQ L	
2156,021	-0,0096	0	122,38	2.10E-11	K	AVGYENYEI G	
2508,297	-0,0137	1	44,49	0,002	K	GPTILIAGGI Q	
2508,297	-0,0094	1	74,37	2.00E-06	K	GPTILIAGGI Q	
2511,226	-0,0141	1	46,12	0,0012	R	VLHRDGW(H	
2511,226	-0,0141	1	100,84	4.00E-09	R	VLHRDGW(H	
2511,226	-0,009	1	39,29	0,006	R	VLHRDGW(H	
2764,451	-0,003	2	45,67	0,003	K	GPTILIAGGI A	
2764,451	-0,0006	2	58,35	0,00016	K	GPTILIAGGI A	
1136,571	-0,0027	0	41,58	0,0069	K	QLTLDDYA(Y	
1160,571	-0,0143	0	41,24	0,0066	D	PEEAEFVN T	
1160,571	-0,0101	0	59,56	0,0001	D	PEEAEFVN T	
1166,495	-0,0071	0	64,05	7.20E-06	V	MMDGSLE(T	
1166,495	-0,0054	0	31,55	0,014	V	MMDGSLE(T	
1169,677	-0,0052	0	50,18	0,00039	R	KPTGEVLAI( I	
1275,598	-0,0115	0	67,2	5.70E-06	T	DPEEAEFVN T	
1310,647	-0,0106	0	40,29	0,0091	K	VAHSVGAS C	
1571,779	-0,0036	0	44,02	0,0021	Q	AAETDSPA( G	
1571,831	-0,0006	0	66,98	1.20E-05	Q	VDALAVAIG F	
1573,894	-0,0163	1	53,26	0,00015	K	FTRKPTGEV I	
1771,776	-0,0004	0	51,74	0,00011	R	NGFTSVMM T	
1771,776	0,0014	0	53,85	6.70E-05	R	NGFTSVMM T	
1771,776	0,0017	0	85,99	4.10E-08	R	NGFTSVMM T	
1771,776	0,0041	0	66,5	4.00E-06	R	NGFTSVMM T	
1771,776	0,0058	0	56,54	3.90E-05	R	NGFTSVMM T	
1787,771	-0,0042	0	33,31	0,0058	R	NGFTSVMM T	Oxidation (I
1787,771	-0,0022	0	37,87	0,002	R	NGFTSVMM T	Oxidation (I
1787,771	0,0012	0	71,19	9.90E-07	R	NGFTSVMM T	Oxidation (I
1787,771	0,0095	0	41,8	0,00098	R	NGFTSVMM T	Oxidation (I
1800,937	-0,0054	0	78,56	1.60E-06	K	TQVDALAV( F	
1800,937	-0,0044	0	114,69	3.80E-10	K	TQVDALAV( F	
1803,766	-0,005	0	52,75	4.70E-05	R	NGFTSVMM T	2 Oxidation
1803,766	-0,0021	0	68,44	1.30E-06	R	NGFTSVMM T	2 Oxidation
1866,936	-0,0107	0	50,95	0,00087	K	TPASFEYN\ V	
1866,936	-0,0096	0	82,66	5.90E-07	K	TPASFEYN\ V	
1866,936	-0,0045	0	87,2	2.10E-07	K	TPASFEYN\ V	
1866,936	-0,0043	0	107,67	1.90E-09	K	TPASFEYN\ V	
1866,936	-0,0033	0	50,48	0,00098	K	TPASFEYN\ V	
1866,936	-0,0027	0	140,78	9.20E-13	K	TPASFEYN\ V	
1866,936	-0,0025	0	41,77	0,0073	K	TPASFEYN\ V	
1866,936	-0,0005	0	74,92	3.60E-06	K	TPASFEYN\ V	
1866,936	0,0005	0	49,03	0,0014	K	TPASFEYN\ V	
1866,936	0,002	0	121,07	8.90E-11	K	TPASFEYN\ V	
1943,837	-0,0095	0	37,45	0,0013	A	MHQDHGN N	
1943,837	-0,0062	0	37,21	0,0015	A	MHQDHGN N	
1959,832	-0,0203	0	30,74	0,01	A	MHQDHGN N	Oxidation (I
2183,075	-0,0164	0	88,6	6.90E-08	K	LDHSQLLTI T	

2183,075	-0,009	0	78,73	6.90E-07	K	LDHSQLLT I T	
2183,075	-0,0049	0	88,07	1.60E-07	K	LDHSQLLT I T	
2183,075	0,0015	0	155,9	2.70E-14	K	LDHSQLLT I T	
2183,075	0,0017	0	40,34	0,0099	K	LDHSQLLT I T	
1205,607	-0,0085	0	56,97	0,00011	R	AVAMSSTD G	
1205,607	-0,0074	0	58,66	7.60E-05	R	AVAMSSTD G	
1205,607	-0,007	0	103,4	2.50E-09	R	AVAMSSTD G	
1221,602	-0,0063	0	43,46	0,0023	R	AVAMSSTD G	Oxidation (I
1343,709	-0,0058	0	64,16	2.30E-05	R	IFNVLGEPV G	
1343,709	-0,0041	0	79,51	6.90E-07	R	IFNVLGEPV G	
1343,709	-0,0026	0	37,63	0,011	R	IFNVLGEPV G	
1375,735	-0,001	0	43,5	0,0022	L	ETKPQVFET V	
1432,767	-0,01	0	43,53	0,0047	R	FVQAGSEV M	
1432,767	-0,0081	0	68,08	1.60E-05	R	FVQAGSEV M	
1516,815	-0,0116	0	50,66	0,00092	V	PAGETFPIH L	
1516,815	-0,0115	0	41,4	0,0042	V	PAGETFPIH L	
1580,868	-0,0003	1	69,08	8.50E-06	I	GPVIDAQF I	
1603,846	-0,0031	0	80,17	5.50E-07	V	DLETKPQVI V	
1603,846	-0,0013	0	72,13	3.80E-06	V	DLETKPQVI V	
1614,819	-0,0075	0	66,86	2.30E-05	K	IALVYGQMI M	
1630,814	-0,0089	0	47,38	0,0021	K	IALVYGQMI M	Oxidation (I
1690,816	-0,0148	0	59,13	9.80E-05	G	YQPTLGTD\ I	
1690,816	-0,0062	0	83,29	4.20E-07	G	YQPTLGTD\ I	
1693,952	0,0035	1	71,76	1.60E-06	V	IGPVIDAQF I	
1769,958	-0,013	0	36,08	0,013	K	GPVPAGETI L	
1793,02	0,0035	1	78,55	3.90E-07	Q	VIGPVIDAQ I	
1802,872	-0,001	0	48,08	0,0015	E	MIESNVINA I	
1815,998	-0,0019	0	42,48	0,0022	K	LVDLETKPC V	
1815,998	-0,0015	0	83,12	1.90E-07	K	LVDLETKPC V	
2114,068	-0,017	0	44,79	0,0019	R	GMDVVDTC I	Oxidation (I
2114,068	0,0028	0	72,3	3.60E-06	R	GMDVVDTC I	Oxidation (I
2135,21	-0,0076	1	48,25	0,0005	K	ITQVIGPVIC I	
2135,21	-0,0075	1	74,82	1.10E-06	K	ITQVIGPVIC I	
2135,21	-0,0028	1	51,6	0,00021	K	ITQVIGPVIC I	
2221,123	-0,0179	1	47,89	0,0017	G	YQPTLGTD\ E	
2221,123	-0,0061	1	72,21	6.50E-06	G	YQPTLGTD\ E	
2233,069	-0,0118	0	51,07	0,00056	R	MPSAVGYC I	
2233,069	-0,0069	0	83,59	3.40E-07	R	MPSAVGYC I	
2233,069	-0,0064	0	82,55	4.40E-07	R	MPSAVGYC I	
2233,069	-0,004	0	77,19	1.50E-06	R	MPSAVGYC I	
2233,069	0,0125	0	52,55	0,00053	R	MPSAVGYC I	
2323,244	0,0016	1	53,9	0,00035	E	PVDNKGPV L	
2338,1	0,0293	0	44,01	0,0039	D	LYNEMIESN I	Oxidation (I
2737,239	-0,0092	0	53,11	0,00021	R	EGNDLYNE I	
2737,239	-0,0085	0	38,25	0,0065	R	EGNDLYNE I	
2737,239	-0,0055	0	51,99	0,00029	R	EGNDLYNE I	
2763,375	0,0042	1	38,8	0,0074	R	MPSAVGYC E	
2834,565	-0,0003	2	45,07	0,00065	K	EATNVGKIT I	



2886,371	-0,0124	0	94,44	1.20E-08	Y	PAVDPLDS` E	
3045,587	0,0001	2	38,07	0,0071	R	YKELQDIIA I A	
1205,596	-0,0112	0	45,65	0,0014	K	AIAEMAGS I L	
1205,596	-0,0103	0	46,13	0,0012	K	AIAEMAGS I L	
1205,596	-0,0099	0	74,32	2.00E-06	K	AIAEMAGS I L	
1205,596	-0,0081	0	52,39	0,00032	K	AIAEMAGS I L	
1205,596	-0,008	0	70,47	4.90E-06	K	AIAEMAGS I L	
1205,596	-0,0079	0	56,51	0,00012	K	AIAEMAGS I L	
1221,591	-0,0124	0	70,92	3.30E-06	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0111	0	36,64	0,0089	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0106	0	48,1	0,00063	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0101	0	40,51	0,004	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,01	0	48,01	0,00071	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0094	0	50,5	0,0004	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0094	0	38,8	0,0059	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0092	0	41,2	0,0034	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0091	0	46,76	0,00094	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0088	0	71,39	3.30E-06	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0084	0	36,47	0,01	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0075	0	49,67	0,00048	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0073	0	40,9	0,0036	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0073	0	56,36	0,0001	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,007	0	45,55	0,0013	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0069	0	38,36	0,0067	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0067	0	58,66	6.00E-05	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0059	0	50,12	0,00044	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0057	0	49,08	0,00056	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0053	0	66,45	1.00E-05	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0052	0	49,1	0,00056	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0051	0	71,42	3.30E-06	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0048	0	53,19	0,00022	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0046	0	83,96	1.80E-07	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0043	0	66,37	1.10E-05	K	AIAEMAGS I L	Oxidation (I
1221,591	-0,0029	0	38,32	0,0074	K	AIAEMAGS I L	Oxidation (I
1221,591	0	0	40,77	0,0039	K	AIAEMAGS I L	Oxidation (I
1333,691	-0,0088	1	48,64	0,00083	R	KAIAEMAG S L	
1333,691	-0,0069	1	47,86	0,00096	R	KAIAEMAG S L	
1472,672	-0,0032	0	60,26	4.80E-05	R	FTVFQSDS( N	
1472,672	-0,0027	0	67,55	9.00E-06	R	FTVFQSDS( N	
1472,672	0,0001	0	102,62	3.10E-09	R	FTVFQSDS( N	
1472,672	0,0035	0	48,36	0,00088	R	FTVFQSDS( N	
2358,085	-0,0084	1	83,42	1.10E-07	K	LCQVNDRF N	
2358,085	-0,0063	1	120,99	2.10E-11	K	LCQVNDRF N	
2358,085	-0,006	1	126,68	5.80E-12	K	LCQVNDRF N	
2358,085	-0,0058	1	65,29	7.90E-06	K	LCQVNDRF N	
2358,085	-0,0042	1	94,88	8.60E-09	K	LCQVNDRF N	
2358,085	-0,004	1	67,63	4.60E-06	K	LCQVNDRF N	
2358,085	-0,0033	1	67,53	4.80E-06	K	LCQVNDRF N	

982,443	-0,009	0	42,46	0,0022	K	YLDGAAMD L	
982,443	-0,0074	0	52,2	0,00024	K	YLDGAAMD L	
982,443	-0,006	0	36,31	0,0096	K	YLDGAAMD L	
1216,63	-0,0095	0	78,5	1.60E-06	K	EVTASLVG# E	
1216,63	-0,006	0	43,8	0,0046	K	EVTASLVG# E	
1216,63	-0,0037	0	71,67	7.40E-06	K	EVTASLVG# E	
1223,622	-0,0093	1	56,13	0,0001	K	YLDGAAMD S	
1223,622	-0,0055	1	53,81	0,00017	K	YLDGAAMD S	
1223,622	-0,0052	1	52,54	0,00023	K	YLDGAAMD S	
1239,617	-0,0103	1	34,67	0,014	K	YLDGAAMD S	Oxidation (I
1239,617	-0,0034	1	52,75	0,0002	K	YLDGAAMD S	Oxidation (I
1283,662	-0,0051	1	48,97	0,00059	K	SYFASGELF A	
1314,751	-0,003	0	58,18	8.20E-05	R	AASVISANA E	
1314,751	-0,0029	0	49,84	0,00056	R	AASVISANA E	
1314,751	-0,0012	0	56,01	0,00012	R	AASVISANA E	
1385,751	-0,0095	0	48,4	0,00084	D	AITAVINSAI Y	
1484,856	0,001	1	53,41	0,00015	V	ISANAATIV# S	
1569,92	-0,0052	1	55,71	4.10E-05	R	VRAASVISA E	
1569,92	-0,0009	1	61,54	1.00E-05	R	VRAASVISA E	
1759,877	-0,0022	0	78,41	8.40E-07	-	MQDAITAVI Y	
1759,877	-0,0013	0	51,3	0,00042	-	MQDAITAVI Y	
1759,877	-0,0008	0	91,15	4.50E-08	-	MQDAITAVI Y	
1759,877	-0,0004	0	44,5	0,0021	-	MQDAITAVI Y	
1759,877	-0,0004	0	99,23	7.00E-09	-	MQDAITAVI Y	
1759,877	-0,0003	0	45,64	0,0016	-	MQDAITAVI Y	
1759,877	0,0017	0	50,59	0,00052	-	MQDAITAVI Y	
1775,872	-0,0074	0	55,15	0,00016	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0067	0	39,79	0,0054	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0054	0	59,62	5.50E-05	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0044	0	91	4.20E-08	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0038	0	51,35	0,00038	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0037	0	44,49	0,0018	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0031	0	90,72	4.60E-08	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,002	0	64,27	2.00E-05	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0019	0	87,48	9.40E-08	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0018	0	69,94	5.30E-06	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0016	0	48,96	0,00066	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0014	0	103,87	2.20E-09	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,001	0	58,1	8.20E-05	-	MQDAITAVI Y	Oxidation (I
1775,872	-0,0002	0	37,61	0,0094	-	MQDAITAVI Y	Oxidation (I
1775,872	0,0002	0	84,59	1.90E-07	-	MQDAITAVI Y	Oxidation (I
1813,031	-0,0061	1	90,64	3.30E-08	R	AASVISANA S	
2186,09	-0,0082	1	40,97	0,0046	K	SLLYSDVTR Y	
2483,273	-0,0027	1	42,95	0,0049	R	YATYAMLAC E	
2483,273	-0,0004	1	68,65	7.40E-06	R	YATYAMLAC E	
2756,3	-0,0027	1	47,5	0,00063	-	MQDAITAVI L	2 Oxidation
2965,489	0,0071	2	115,34	3.50E-10	-	MQDAITAVI S	
933,4225	-0,0077	0	32,28	0,014	E	MAEEIADR V	

1062,465	-0,0054	0	71,88	2.10E-06	R	EMAEIAD F V	
1078,46	-0,0122	0	36,63	0,0035	R	EMAEIAD F V	Oxidation (I
1078,46	-0,0084	0	35,21	0,0058	R	EMAEIAD F V	Oxidation (I
1078,46	-0,0081	0	56,62	4.40E-05	R	EMAEIAD F V	Oxidation (I
1078,46	-0,007	0	35,03	0,0065	R	EMAEIAD F V	Oxidation (I
1078,46	-0,0067	0	39,14	0,0025	R	EMAEIAD F V	Oxidation (I
1078,46	-0,0032	0	34,87	0,0076	R	EMAEIAD F V	Oxidation (I
1210,729	-0,0059	1	49,24	0,00028	K	PANKLVIVT I	
1326,635	-0,0102	1	59,76	7.30E-05	K	GYTVMNTG N	
1330,692	-0,0081	1	47,25	0,0021	E	MAEIADR Y	
1409,861	-0,005	1	36,21	0,0031	M	AKPANKLVI I	
1459,734	-0,0063	1	62,99	2.90E-05	R	EMAEIAD F Y	
1459,734	-0,0044	1	77,52	1.00E-06	R	EMAEIAD F Y	
1459,734	-0,0034	1	76,61	1.30E-06	R	EMAEIAD F Y	
1459,734	-0,0005	1	88,88	7.40E-08	R	EMAEIAD F Y	
1475,729	-0,0092	1	36,05	0,014	R	EMAEIAD F Y	Oxidation (I
1475,729	-0,0083	1	38,61	0,0076	R	EMAEIAD F Y	Oxidation (I
1475,729	-0,0078	1	37,04	0,011	R	EMAEIAD F Y	Oxidation (I
1559,743	-0,0152	0	83,18	1.70E-07	R	SSGQPNTS F	
1559,743	-0,0083	0	77,32	6.70E-07	R	SSGQPNTS F	
1559,743	-0,0082	0	40,43	0,0033	R	SSGQPNTS F	
1559,743	-0,0063	0	58,16	6.00E-05	R	SSGQPNTS F	
1559,743	-0,006	0	36,53	0,0087	R	SSGQPNTS F	
1559,743	-0,0057	0	59,31	4.60E-05	R	SSGQPNTS F	
1559,743	-0,0044	0	74,29	1.50E-06	R	SSGQPNTS F	
1559,743	-0,0037	0	68,51	5.80E-06	R	SSGQPNTS F	
1559,743	-0,0011	0	71,15	3.10E-06	R	SSGQPNTS F	
1839,904	-0,0091	1	62,75	4.50E-05	K	IIDESGAKG G	
1946,973	-0,0122	2	40,91	0,0046	L	TETREMAE Y	
2060,057	-0,0129	2	47,55	0,001	I	LTETREMAE Y	
2173,141	-0,0053	2	54,8	0,00036	E	ILTETREMA Y	
2190,117	-0,0015	1	82,65	3.30E-07	Q	PNTSDIEAN E	
2449,252	-0,0091	2	91,57	8.20E-08	K	FEILTETRE Y	
2549,261	-0,0124	1	89,07	6.70E-08	R	SSGQPNTS E	
2549,261	-0,0121	1	62,89	2.80E-05	R	SSGQPNTS E	
2549,261	-0,0112	1	109,21	6.60E-10	R	SSGQPNTS E	
2549,261	-0,011	1	113,88	2.30E-10	R	SSGQPNTS E	
2549,261	-0,0109	1	170,76	4.60E-16	R	SSGQPNTS E	
2549,261	-0,0097	1	55,38	0,00016	R	SSGQPNTS E	
2549,261	-0,0091	1	150,95	4.50E-14	R	SSGQPNTS E	
1052,529	-0,011	0	48,93	0,0012	R	QDYYPVLR A	
1094,608	-0,0102	0	51,02	0,00056	I	LDIHSIELR Y	
1210,598	-0,0002	1	41,78	0,0062	R	QDYYPVLR -	
1310,56	-0,0091	0	37,07	0,0033	R	YFSDMTQF Q	Oxidation (I
1310,56	-0,0022	0	53,52	8.80E-05	R	YFSDMTQF Q	Oxidation (I
1310,56	-0,0019	0	60,8	1.70E-05	R	YFSDMTQF Q	Oxidation (I
1433,788	-0,0153	0	36,35	0,01	D	PEILDIHSIE Y	
1433,788	-0,0033	0	74,23	1.20E-06	D	PEILDIHSIE Y	

1457,751	-0,0075	1	39,86	0,0062	V	PQREADYE V
1457,751	-0,0012	1	46,21	0,0014	V	PQREADYE V
1556,82	-0,0003	1	64,08	4.20E-05	L	VPQREADY V
1742,895	-0,0165	0	46,53	0,0013	I	GHDPEILDI Y
1756,896	-0,0013	0	48,38	0,0017	K	LADSIGVSE W
1756,896	-0,0007	0	96,89	2.40E-08	K	LADSIGVSE W
1756,896	0,0004	0	103,01	5.90E-09	K	LADSIGVSE W
1756,896	0,0011	0	89,22	1.40E-07	K	LADSIGVSE W
1768,972	-0,0052	1	47,12	0,0015	V	VLVPQREAI V
1837,925	-0,0169	0	48,64	0,00076	R	YTAHITLGYI L
1837,925	-0,0011	0	83,76	2.30E-07	R	YTAHITLGYI L
1837,925	0	0	101,33	4.10E-09	R	YTAHITLGYI L
2042,059	-0,0091	0	121,42	4.40E-11	R	WIGHDPEIL Y
2042,059	-0,0083	0	78,72	8.20E-07	R	WIGHDPEIL Y
2042,059	-0,0002	0	55,54	0,00017	R	WIGHDPEIL Y
2060,106	-0,004	0	46,28	0,001	R	AIFQNPTLIK Y
2060,106	0,0045	0	44,74	0,0014	R	AIFQNPTLIK Y
2125,178	-0,0185	1	48,08	0,0013	R	SLGVVLVPC V
2125,178	-0,0102	1	41,98	0,0049	R	SLGVVLVPC V
2125,178	-0,0101	1	54,08	0,0003	R	SLGVVLVPC V
2125,178	-0,0088	1	54,18	0,0003	R	SLGVVLVPC V
2125,178	-0,0012	1	39,65	0,0051	R	SLGVVLVPC V
2169,143	-0,0146	0	89,55	1.10E-07	A	PQTLAIAYE F
2339,249	-0,0132	0	128,67	1.10E-11	R	VAPQTLAIA F
2339,249	-0,0104	0	105,04	2.50E-09	R	VAPQTLAIA F
2339,249	-0,0088	0	128,37	1.20E-11	R	VAPQTLAIA F
2339,249	-0,007	0	134,65	2.70E-12	R	VAPQTLAIA F
2380,348	-0,0122	2	40,14	0,0051	R	SLGVVLVPC R
2380,348	-0,0079	2	48,59	0,00067	R	SLGVVLVPC R
1136,728	-0,001	1	50,12	3.70E-05	A	GAITPVKVK T
1185,635	-0,0131	0	64,78	1.90E-05	L	PNLDSGLT T
1185,635	-0,0128	0	44,38	0,0021	L	PNLDSGLT T
1185,635	-0,0114	0	46,2	0,0014	L	PNLDSGLT T
1219,671	-0,0098	0	62,74	2.20E-05	E	YALHIALTY F Q
1219,671	-0,0046	0	51,63	0,00026	E	YALHIALTY F Q
1298,719	-0,0173	0	39,58	0,011	L	LPNLDSGLT T
1315,688	-0,005	1	55	0,00019	Q	DLIDRLPFG H
1345,745	-0,0081	0	58,38	6.10E-05	K	TELES TLV S
1345,745	-0,0045	0	47,39	0,00081	K	TELES TLV S
1345,745	-0,0044	0	68,04	7.00E-06	K	TELES TLV S
1345,745	-0,0036	0	44,05	0,0017	K	TELES TLV S
1348,714	-0,0052	0	50,24	0,00097	G	EYALHIALTY Q
1348,714	-0,0036	0	41,53	0,0071	G	EYALHIALTY Q
1348,714	-0,0035	0	43,64	0,0043	G	EYALHIALTY Q
1474,703	-0,0071	0	60,13	7.80E-05	K	LYYAIQGQC E
1474,703	-0,0018	0	57,64	0,00015	K	LYYAIQGQC E
1506,783	-0,0191	0	51	0,00088	K	TGEYALHIA Q
1506,783	-0,005	0	54,4	0,0004	K	TGEYALHIA Q

1506,783	-0,0003	0	73,15	5.20E-06	K	TGEYALHIA Q	
1506,783	0,0005	0	81,22	8.00E-07	K	TGEYALHIA Q	
1506,783	0,0016	0	71,64	7.00E-06	K	TGEYALHIA Q	
1531,686	-0,0051	0	93,62	8.70E-09	Y	SGQNQTNI Q	
1590,815	-0,0035	1	48	0,0019	R	FQDLIDRLF H	
1590,815	-0,0029	1	62,75	6.60E-05	R	FQDLIDRLF H	
1590,815	-0,0018	1	45,95	0,0031	R	FQDLIDRLF H	
1635,913	-0,0069	0	55,38	8.10E-05	R	QRPVLALV( L	
1635,913	-0,002	0	60,45	2.50E-05	R	QRPVLALV( L	
1635,913	0,0015	0	58,29	3.80E-05	R	QRPVLALV( L	
1635,913	0,0045	0	114,59	8.90E-11	R	QRPVLALV( L	
1651,908	0,0033	0	55,16	0,0001	R	QRPVLALV( L	Oxidation (I
1651,908	0,0073	0	40,75	0,0028	R	QRPVLALV( L	Oxidation (I
1694,75	-0,0008	0	69,11	3.70E-06	Y	YSGQNQTNI Q	
1719,804	-0,0074	1	51,27	0,00025	L	YYAIQGQG( A	
1798,056	-0,0019	1	113,35	4.90E-11	K	VKPKTELES S	
1798,056	-0,0004	1	87,13	2.10E-08	K	VKPKTELES S	
1798,056	0,0023	1	34,72	0,0035	K	VKPKTELES S	
1832,888	-0,0039	1	45,73	0,0026	K	LYYAIQGQC( A	
1921,041	-0,0039	0	77,78	1.20E-06	K	IVTILEGQSI S	
1921,041	0,0003	0	99,17	8.40E-09	K	IVTILEGQSI S	
2013,082	-0,0056	0	84,53	3.00E-07	-	MVISSELLPNT	Acetyl (N-te
2013,082	-0,0039	0	67,14	1.60E-05	-	MVISSELLPNT	Acetyl (N-te
2072,904	-0,0091	0	72,34	1.00E-06	L	QSYYSQGNI Q	
2535,5	-0,0058	2	34,89	0,0016	K	AGAITPVKV S	
3330,569	-0,0012	0	83,05	1.70E-07	R	QWGGILAS -	
1078,541	-0,0085	1	56,45	0,00024	R	ADLSGADL( A	
1078,541	-0,0056	1	53,44	0,00045	R	ADLSGADL( A	
1427,752	-0,0073	0	41,93	0,0038	N	FQNSHISGI T	
1541,795	-0,011	0	59,71	6.20E-05	V	NFQNSHIS( T	
1541,795	-0,0088	0	88,09	9.10E-08	V	NFQNSHIS( T	
1720,972	-0,0059	0	92,82	2.00E-08	K	EVNLSLINL A	
1754,906	-0,0111	0	58,86	0,00014	R	NVNFQNS( T	
1754,906	-0,0094	0	119,34	1.30E-10	R	NVNFQNS( T	
1754,906	-0,009	0	47,17	0,0021	R	NVNFQNS( T	
1838,862	-0,002	0	57,57	0,00013	-	METEQLLW D	
1838,862	-0,0012	0	92,59	4.10E-08	-	METEQLLW D	
1838,862	0,0006	0	77,23	1.40E-06	-	METEQLLW D	
1838,862	0,0064	0	43,65	0,0035	-	METEQLLW D	
1854,857	0,0029	0	46,41	0,0014	-	METEQLLW D	Oxidation (I
1933,986	-0,0135	1	43,71	0,0027	D	LSGADLTRI A	
2010,017	-0,0123	0	41,3	0,004	R	ALLAYGNF( R	
2010,017	-0,0063	0	152,32	3.30E-14	R	ALLAYGNF( R	
2010,017	-0,0003	0	104,56	2.00E-09	R	ALLAYGNF( R	
2120,05	-0,0156	1	44,8	0,0018	R	ADLSGADL( A	
2120,05	-0,0149	1	102,4	3.10E-09	R	ADLSGADL( A	
2120,05	-0,0128	1	103,85	2.30E-09	R	ADLSGADL( A	
2120,05	-0,0106	1	57,67	9.60E-05	R	ADLSGADL( A	

2120,05	-0,0069	1	62,13	3.40E-05	R	ADLSGADL A	Oxidation (I
2127,06	-0,0053	0	37,19	0,01	R	HGTVEEAFI G	
2127,06	-0,0051	0	95,43	3.00E-08	R	HGTVEEAFI G	
2127,06	-0,004	0	78,38	1.50E-06	R	HGTVEEAFI G	
2127,06	-0,0031	0	74,91	3.40E-06	R	HGTVEEAFI G	
2127,06	-0,0015	0	54,96	0,00018	R	HGTVEEAFI G	
2166,118	-0,0047	1	46,46	0,0013	R	ALLAYGNF T	
2268,259	-0,0014	0	50,84	0,00022	R	IELHHADLI A	
2344,091	-0,0112	1	88,89	7.90E-08	-	METEQLLW I	
2344,091	-0,0079	1	67,95	1.00E-05	-	METEQLLW I	
2360,086	-0,011	1	61,79	1.50E-05	-	METEQLLW I	
1083,495	-0,009	1	36,46	0,005	L	ADDHDDRI E	
1172,604	-0,0046	0	45,68	0,0032	T	VADLSPSEI A	
1196,579	-0,0067	1	44,63	0,0027	T	LADDHDDF E	
1215,647	-0,0072	0	83,94	2.50E-07	R	ENHLVALH T	
1215,647	-0,0064	0	46,52	0,0014	R	ENHLVALH T	
1215,647	-0,0048	0	48,94	0,00079	R	ENHLVALH T	
1215,647	-0,003	0	51,9	0,0004	R	ENHLVALH T	
1273,651	-0,0067	0	58,68	8.30E-05	R	TVADLSPSE A	
1273,651	-0,0064	0	57,02	0,00012	R	TVADLSPSE A	
1273,651	-0,0057	0	57,75	9.80E-05	R	TVADLSPSE A	
1273,651	-0,0052	0	89,38	6.70E-08	R	TVADLSPSE A	
1273,651	-0,0038	0	55,49	0,00018	R	TVADLSPSE A	
1273,651	-0,0028	0	48,32	0,00095	R	TVADLSPSE A	
1273,651	-0,0016	0	71,16	4.60E-06	R	TVADLSPSE A	
1297,626	-0,0169	1	42,3	0,0019	A	TLADDHDD E	
1297,626	-0,0065	1	56,03	9.20E-05	A	TLADDHDD E	
1297,626	-0,0054	1	58,44	4.90E-05	A	TLADDHDD E	
1297,626	-0,0044	1	47,46	0,00062	A	TLADDHDD E	
1368,663	-0,0047	1	52,99	0,00045	V	ATLADDHD E	
1467,732	0,0015	1	85,15	1.40E-07	L	VATLADDH E	
1467,732	0,002	1	99,96	4.60E-09	L	VATLADDH E	
1580,816	0,0008	1	78,53	1.40E-06	T	LVATLADD E	
1580,816	0,0017	1	99,43	1.20E-08	T	LVATLADD E	
1580,816	0,0022	1	73,61	4.40E-06	T	LVATLADD E	
1624,806	-0,0014	0	70,8	8.60E-06	R	AITLVATLA L	
1681,864	-0,0188	1	58,37	7.70E-05	I	TLVATLADC E	
1681,864	-0,0063	1	104,87	1.70E-09	I	TLVATLADC E	
1681,864	-0,0047	1	95,92	1.40E-08	I	TLVATLADC E	
1681,864	-0,0018	1	118,68	7.00E-11	I	TLVATLADC E	
1681,864	0,0048	1	61,43	3.70E-05	I	TLVATLADC E	
1865,985	-0,0194	1	69,93	5.50E-06	R	AITLVATLA E	
1865,985	-0,0061	1	73,62	2.20E-06	R	AITLVATLA E	
1865,985	-0,0044	1	80,16	5.00E-07	R	AITLVATLA E	
1865,985	-0,004	1	105,89	1.30E-09	R	AITLVATLA E	
1865,985	-0,0011	1	41,79	0,0034	R	AITLVATLA E	
1939,001	-0,0131	2	49,78	0,0011	I	TLVATLADC Y	
2123,122	-0,0064	2	52,37	0,00028	R	AITLVATLA Y	

1488,736	-0,0072	0	59,46	0,00012	A	PNNYIEAQ <sup>+</sup> I	
1488,736	-0,0041	0	77,28	2.00E-06	A	PNNYIEAQ <sup>+</sup> I	
1557,84	-0,0039	0	81,09	4.20E-07	K	ALGLYQEAI M	
1557,84	-0,0023	0	94,83	1.80E-08	K	ALGLYQEAI M	
1557,84	-0,002	0	82,96	2.80E-07	K	ALGLYQEAI M	
1557,84	-0,002	0	65,73	1.50E-05	K	ALGLYQEAI M	
1557,84	-0,002	0	106,56	1.20E-09	K	ALGLYQEAI M	
1557,84	0,0022	0	89,84	5.40E-08	K	ALGLYQEAI M	
1579,664	-0,0087	0	75,31	2.10E-07	K	EAGQEDD <sup>+</sup> A	
1579,664	-0,0039	0	91,46	5.70E-09	K	EAGQEDD <sup>+</sup> A	
1579,664	-0,003	0	77,67	1.40E-07	K	EAGQEDD <sup>+</sup> A	
1579,664	-0,0015	0	85,99	2.20E-08	K	EAGQEDD <sup>+</sup> A	
1672,857	-0,0065	0	65,89	3.10E-05	R	LAPNNYIEA I	
1672,857	-0,0017	0	57,69	0,00021	R	LAPNNYIEA I	
1672,857	-0,0011	0	86,66	2.60E-07	R	LAPNNYIEA I	
1672,857	-0,0006	0	58,09	0,00018	R	LAPNNYIEA I	
1698,778	0,0049	0	63,89	2.50E-05	L	YNMALIHA <sup>+</sup> A	
1778,796	-0,0051	1	36,41	0,0078	K	AKEAGQED A	
1811,862	0,0046	0	56,65	9.60E-05	I	LYNMALIH <sup>+</sup> A	
1899,984	-0,0117	0	41,87	0,0063	M	PSALNNIAV A	
2031,025	-0,0105	0	76,5	1.30E-06	K	MPSALNNI <sup>+</sup> A	
2031,025	-0,0093	0	73,74	2.50E-06	K	MPSALNNI <sup>+</sup> A	
2031,025	-0,0088	0	74,19	2.20E-06	K	MPSALNNI <sup>+</sup> A	
2031,025	-0,008	0	77,74	1.00E-06	K	MPSALNNI <sup>+</sup> A	
2031,025	-0,0064	0	87,3	1.10E-07	K	MPSALNNI <sup>+</sup> A	
2031,025	-0,0027	0	49,98	0,0006	K	MPSALNNI <sup>+</sup> A	
2031,025	0,0004	0	42,25	0,0067	K	MPSALNNI <sup>+</sup> A	
2031,025	0,0008	0	67,46	2.00E-05	K	MPSALNNI <sup>+</sup> A	
2047,02	-0,0129	0	60,49	8.70E-05	K	MPSALNNI <sup>+</sup> A	Oxidation (I
2175,042	-0,0083	0	86,78	9.50E-08	R	SYILYNMAL A	
1235,603	-0,0057	0	42,68	0,0026	R	GDLYSIQSE Q	
1235,603	-0,0056	0	61,65	3.30E-05	R	GDLYSIQSE Q	
1235,603	-0,0054	0	42,22	0,0029	R	GDLYSIQSE Q	
1290,545	-0,0076	0	54,56	5.00E-05	A	PDFPYHDG E	
1361,582	-0,0078	0	47,24	0,00019	V	APDFPYHD E	
1361,582	-0,0066	0	57,58	1.90E-05	V	APDFPYHD E	
1410,693	-0,0067	0	56,59	0,0002	Y	PNMDELPV G	
1460,651	-0,0089	0	40,95	0,0023	E	VAPDFPYHI E	
1506,75	-0,0068	1	53,25	0,00051	R	MVEVIEAFN S	
1542,739	0,0019	0	44,52	0,0031	E	TEIHTFDDI <sup>+</sup> L	
1701,815	-0,006	0	74,55	1.50E-06	K	QYPNMDEL G	
1701,815	-0,0022	0	60,7	4.00E-05	K	QYPNMDEL G	
1703,736	-0,013	0	47,28	0,00017	R	NEVAPDFP <sup>+</sup> E	
1710,89	-0,0077	0	41,41	0,0075	R	ITDLNNLPE A	
1710,89	-0,0071	0	63,38	4.70E-05	R	ITDLNNLPE A	
1710,89	-0,0041	0	95,05	3.20E-08	R	ITDLNNLPE A	
1710,89	-0,0014	0	42,13	0,006	R	ITDLNNLPE A	
1710,89	0,0043	0	114,93	3.20E-10	R	ITDLNNLPE A	

1717,809	-0,0035	0	47,49	0,00069	K	QYPNMDEL G	Oxidation (I
1719,731	-0,008	0	29,3	0,0089	R	NEVAPDFP' E	Oxidation (I
1742,819	0	0	95,28	2.20E-08	A	AETEIHTFD L	
1742,819	0,0008	0	52,27	0,00044	A	AETEIHTFD L	
1758,813	-0,0053	0	42,7	0,0028	A	AETEIHTFD L	Oxidation (I
2018,931	-0,0162	0	62,6	1.20E-05	L	IYSPNHYMI T	
2020,005	-0,0192	2	63,58	4.60E-05	K	DLERMVEV S	
2020,005	-0,0164	2	63	5.30E-05	K	DLERMVEV S	
2258,02	0,005	0	64,12	9.60E-06	K	YGINQSSYF L	
2260,074	-0,0193	0	38,43	0,01	K	QLIYSPNHYT	
2260,074	-0,017	0	103,33	3.30E-09	K	QLIYSPNHYT	
2260,074	-0,0123	0	72,79	3.90E-06	K	QLIYSPNHYT	
2276,068	-0,0088	0	45,45	0,00095	K	QLIYSPNHYT	Oxidation (I
2508,165	-0,0158	1	33,2	0,012	E	VAPDFPYHI I	
2583,329	-0,0094	1	46,85	0,0012	R	ITDLNNLPE Y	
2583,329	-0,0053	1	44,76	0,002	R	ITDLNNLPE Y	
2583,329	-0,0013	1	46,37	0,0013	R	ITDLNNLPE Y	
2751,25	-0,005	1	50,23	0,00019	R	NEVAPDFP' I	
2919,407	-0,009	1	35,41	0,012	K	QYPNMDEL Q	
2919,407	-0,0068	1	111,71	3.00E-10	K	QYPNMDEL Q	
2919,407	0,0005	1	61,12	3.60E-05	K	QYPNMDEL Q	
2935,402	-0,0177	1	49,38	0,00086	K	QYPNMDEL Q	Oxidation (I
2935,402	-0,0015	1	54,43	0,0003	K	QYPNMDEL Q	Oxidation (I
1204,547	-0,0112	0	50,11	0,00037	V	INQDDPYG L	
1239,661	-0,004	1	58,81	5.40E-05	L	LFKESYLQC A	
1342,707	-0,0099	0	53,51	0,00054	C	PPGTLFIGM V	
1358,683	-0,0048	0	51,73	0,00075	A	THTTPFATD Q	
1374,653	-0,0091	0	41,84	0,0049	R	AVINQDDP' L	
1374,653	-0,0087	0	56,27	0,00018	R	AVINQDDP' L	
1374,653	-0,0077	0	80,14	7.10E-07	R	AVINQDDP' L	
1374,653	-0,0075	0	70,62	6.40E-06	R	AVINQDDP' L	
1374,653	-0,0074	0	88,55	1.00E-07	R	AVINQDDP' L	
1374,653	-0,0072	0	59,81	7.70E-05	R	AVINQDDP' L	
1374,653	-0,0068	0	70,59	6.40E-06	R	AVINQDDP' L	
1530,768	-0,012	0	76,41	2.50E-06	K	TATHTTPFA Q	
1530,768	-0,0045	0	90,34	1.00E-07	K	TATHTTPFA Q	
1557,746	-0,0046	0	47,92	0,00068	R	MEQVQIRP V	
1557,746	0,0038	0	50,56	0,00041	R	MEQVQIRP V	
1573,741	-0,0095	0	44,92	0,001	R	MEQVQIRP V	Oxidation (I
1573,741	-0,0004	0	41,43	0,0026	R	MEQVQIRP V	Oxidation (I
1656,814	-0,0053	0	59,03	0,00012	R	MEQVQIRP M	
1656,814	-0,0049	0	62,65	5.40E-05	R	MEQVQIRP M	
1656,814	-0,0047	0	65,91	2.50E-05	R	MEQVQIRP M	
1656,814	-0,0028	0	78,04	1.60E-06	R	MEQVQIRP M	
1656,814	0,001	0	89,14	1.30E-07	R	MEQVQIRP M	
1672,809	-0,0034	0	64,84	3.10E-05	R	MEQVQIRP M	Oxidation (I
1916,916	-0,0012	0	51,33	0,00062	A	GNQYAVME V	
1940,016	0,0003	1	42,83	0,0029	R	SSALLGTLY T	



1977,991	-0,0032	0	54,89	0,0002	K	TTTSHLIEYF S
1977,991	-0,0005	0	76,6	1.40E-06	K	TTTSHLIEYF S
1987,953	-0,0046	0	76,02	1.10E-06	Q	AGNQYAVM V
1987,953	0,0008	0	85,1	1.40E-07	Q	AGNQYAVM V
2364,19	-0,0089	1	68,46	8.30E-06	V	PEVVAAAP I
2741,356	-0,0027	0	40,11	0,0094	K	QLAEALQA V
2741,356	-0,0004	0	44,06	0,0022	K	QLAEALQA V
2741,356	0,0062	0	151,77	3.90E-14	K	QLAEALQA V
2741,356	0,008	0	45,09	0,0018	K	QLAEALQA V
1026,655	-0,0089	1	42,27	0,00069	R	VRVQSLVVI N
1026,655	-0,0043	1	30,96	0,0079	R	VRVQSLVVI N
1167,709	-0,006	1	45,83	0,00049	K	NGQIRLNIL H
1167,709	-0,005	1	34,36	0,0068	K	NGQIRLNIL H
2066,028	-0,0075	0	95,97	1.40E-08	K	PIAIGDVDQ R
2066,028	-0,0051	0	66,48	1.20E-05	K	PIAIGDVDQ R
2066,028	0,001	0	51,82	0,00037	K	PIAIGDVDQ R
2222,129	-0,0147	1	40,37	0,0055	K	PIAIGDVDQ Q
2222,129	-0,0108	1	97,09	1.20E-08	K	PIAIGDVDQ Q
2222,129	-0,0102	1	51,25	0,00045	K	PIAIGDVDQ Q
2222,129	-0,01	1	87,04	1.20E-07	K	PIAIGDVDQ Q
2222,129	-0,0092	1	102,6	3.20E-09	K	PIAIGDVDQ Q
2222,129	-0,0088	1	79,51	6.60E-07	K	PIAIGDVDQ Q
2222,129	-0,0083	1	89,37	6.80E-08	K	PIAIGDVDQ Q
2222,129	-0,0081	1	81,54	4.20E-07	K	PIAIGDVDQ Q
2222,129	-0,0075	1	85,15	1.80E-07	K	PIAIGDVDQ Q
2222,129	-0,0055	1	85,2	1.80E-07	K	PIAIGDVDQ Q
2222,129	-0,004	1	70,05	5.90E-06	K	PIAIGDVDQ Q
2222,129	-0,0038	1	70,95	4.80E-06	K	PIAIGDVDQ Q
2222,129	-0,0031	1	110,94	4.80E-10	K	PIAIGDVDQ Q
2222,129	-0,0024	1	110,95	4.80E-10	K	PIAIGDVDQ Q
2222,129	-0,0014	1	106,56	1.30E-09	K	PIAIGDVDQ Q
2222,129	-0,0009	1	115,64	1.60E-10	K	PIAIGDVDQ Q
2222,129	0,0004	1	53,54	0,00026	K	PIAIGDVDQ Q
2307,207	-0,0077	0	40,55	0,0045	L	IKPIAIGDVI R
1187,525	-0,0046	0	44,48	0,00057	I	YPAFEENYF I
1355,636	-0,0082	0	35,61	0,0085	K	DFDIQNYN D
1355,636	-0,006	0	40,98	0,0024	K	DFDIQNYN D
1387,641	-0,0048	0	52,44	0,00016	R	SIYPAFEEN I
1387,641	-0,0021	0	57,69	5.30E-05	R	SIYPAFEEN I
1387,641	0,0011	0	58,9	4.20E-05	R	SIYPAFEEN I
1387,641	0,0037	0	40,22	0,003	R	SIYPAFEEN I
1406,719	-0,0052	0	44,25	0,0042	V	LFDFFPGS F D
1618,872	-0,0038	0	68,16	1.30E-05	R	IVLFDFFPGS D
1618,872	-0,0023	0	60,73	7.20E-05	R	IVLFDFFPGS D
1618,872	0,0014	0	71,5	5.70E-06	R	IVLFDFFPGS D
1661,762	-0,0054	0	70,73	2.30E-06	I	LNEMSHNY T
1661,762	-0,0019	0	89,39	3.30E-08	I	LNEMSHNY T
1763,775	-0,0102	2	44	0,0005	R	YRDDGDYK I

1774,846	-0,0022	0	42,4	0,0046	T	ILNEMSHN'T
1787,851	-0,0236	0	63,13	1.50E-05	K	DYADDLME Q
1787,851	-0,0009	0	101,59	3.00E-09	K	DYADDLME Q
1875,894	-0,0045	0	83,95	1.60E-07	A	TILNEMSHN'T
1875,894	-0,0025	0	69,29	5.00E-06	A	TILNEMSHN'T
2060,015	-0,0015	0	112,39	3.00E-10	K	IATILNEMSIT
2060,015	-0,0007	0	36,44	0,012	K	IATILNEMSIT
2173,096	-0,0082	0	56,87	0,00023	Y	WIDTPGHFI A
2173,096	-0,0049	0	43,95	0,0046	Y	WIDTPGHFI A
2336,159	-0,0078	0	48,12	0,00086	L	YWIDTPGH A
2336,159	0,0049	0	50,06	0,00057	L	YWIDTPGH A
2449,243	-0,005	0	61,56	8.20E-05	E	LYWIDTPGFI A
2578,286	-0,002	0	40,56	0,01	S	ELYWIDTPGFI A
2779,361	-0,0064	0	66,94	2.10E-05	K	NSELYWIDFI A
2779,361	-0,0023	0	93,28	5.00E-08	K	NSELYWIDFI A
2779,361	0,0021	0	142,51	6.10E-13	K	NSELYWIDFI A
2779,361	0,0086	0	96,85	2.20E-08	K	NSELYWIDFI A
3125,476	-0,0026	1	48,7	0,00045	K	DFDIQNYN: Q
1168,668	-0,0029	1	62,82	3.10E-05	Y	LAQGDLVA A
1182,672	-0,0084	1	39,43	0,0067	A	LRNEPTAIA I
1246,667	-0,0065	0	81,21	8.20E-07	K	AYLAQGDL' R
1246,667	-0,0062	0	47,21	0,002	K	AYLAQGDL' R
1246,667	-0,0055	0	72,19	6.40E-06	K	AYLAQGDL' R
1381,768	-0,0123	1	42,83	0,0022	K	QALRNEPT/ I
1381,768	-0,0102	1	37,65	0,0065	K	QALRNEPT/ I
1381,768	-0,0097	1	48,69	0,00051	K	QALRNEPT/ I
1381,768	-0,0045	1	54,78	0,00014	K	QALRNEPT/ I
1402,768	-0,0072	1	45,94	0,002	K	AYLAQGDL' A
1614,909	-0,0007	1	38,76	0,0065	R	LFPNRSELT A
1847,812	-0,0088	0	34,71	0,0048	N	PNNPDYD Q
1847,812	-0,0065	0	46,9	0,0003	N	PNNPDYD Q
1847,812	-0,0045	0	86	3.70E-08	N	PNNPDYD Q
1993,982	-0,0143	2	36,51	0,011	K	KLYQAQGN L
1993,982	-0,0125	2	51,87	0,00033	K	KLYQAQGN L
1993,982	-0,0108	2	74,16	2.00E-06	K	KLYQAQGN L
1993,982	-0,0103	2	82,46	2.90E-07	K	KLYQAQGN L
1993,982	-0,0092	2	41,48	0,0036	K	KLYQAQGN L
1993,982	-0,0049	2	73,03	2.60E-06	K	KLYQAQGN L
2060,923	-0,0055	0	39,94	0,003	R	VNPNNPDY Q
2060,923	-0,0031	0	114,68	1.00E-10	R	VNPNNPDY Q
2060,923	-0,0011	0	85,68	8.70E-08	R	VNPNNPDY Q
2060,923	-0,0009	0	109,34	3.70E-10	R	VNPNNPDY Q
2060,923	0,0001	0	33,83	0,013	R	VNPNNPDY Q
2060,923	0,0202	0	65,29	1.40E-05	R	VNPNNPDY Q
2176,112	-0,0009	0	45,68	0,0017	R	QGLLNEAA E
2321,125	-0,0067	2	37,82	0,0078	K	LYQAQGNT -
2321,125	-0,0065	2	67,7	8.10E-06	K	LYQAQGNT -
2321,125	-0,0059	2	42,79	0,0025	K	LYQAQGNT -

2619,35	0,002	1	53,04	0,00027	R	QGLLNEAA	Y
2704,327	0,0035	1	97,86	1.90E-08	Q	PSNADFYI	K
2832,422	0,0037	2	76,03	1.40E-06	Q	PSNADFYI	S
2891,363	0,0054	1	106,06	8.90E-10	R	SFQQALRV	Q
1367,625	-0,0114	0	38,5	0,0033	G	GSCFTQAN	I
1367,625	-0,0095	0	47,22	0,00048	G	GSCFTQAN	I
1367,625	-0,0073	0	35,4	0,0074	G	GSCFTQAN	I
1367,625	-0,0065	0	36,63	0,0066	G	GSCFTQAN	I
1367,625	-0,0062	0	37,61	0,0052	G	GSCFTQAN	I
1367,625	-0,0056	0	52,46	0,00017	G	GSCFTQAN	I
1367,625	-0,0053	0	36,52	0,0068	G	GSCFTQAN	I
1367,625	-0,0052	0	37,26	0,0057	G	GSCFTQAN	I
1367,625	-0,0049	0	46,57	0,00067	G	GSCFTQAN	I
1367,625	-0,0049	0	33,72	0,013	G	GSCFTQAN	I
1424,647	-0,0112	0	50,2	0,00039	R	GGSCFTQA	I
1424,647	-0,0108	0	57,67	7.10E-05	R	GGSCFTQA	I
1424,647	-0,0108	0	75,32	1.20E-06	R	GGSCFTQA	I
1424,647	-0,01	0	70,14	4.10E-06	R	GGSCFTQA	I
1424,647	-0,0095	0	39,03	0,0054	R	GGSCFTQA	I
1424,647	-0,0086	0	55,38	0,00012	R	GGSCFTQA	I
1424,647	-0,0073	0	53,24	0,00023	R	GGSCFTQA	I
1424,647	-0,0063	0	59,54	5.30E-05	R	GGSCFTQA	I
1424,647	-0,0048	0	41,4	0,0036	R	GGSCFTQA	I
1424,647	-0,004	0	69,81	5.10E-06	R	GGSCFTQA	I
1424,647	-0,0039	0	67,86	8.10E-06	R	GGSCFTQA	I
1707,879	-0,0052	0	45,38	0,0016	V	DGAGELIH	E
1806,948	-0,0044	0	63,09	5.00E-05	L	VDGAGELI	E
1835,851	-0,0111	1	56,77	5.90E-05	K	FPQAGDRG	G
1835,851	-0,0106	1	69,89	2.90E-06	K	FPQAGDRG	G
1920,032	-0,0062	0	40,05	0,0044	V	LVDGAGEL	E
2119,041	0,026	2	48,35	0,0017	S	LKFPQAGD	G
2166,169	-0,0163	0	50,27	0,00042	E	FVLVDGAG	E
2343,133	-0,0009	0	73,13	4.40E-06	R	QELDVEITE	A
2343,133	0,0001	0	62,63	5.10E-05	R	QELDVEITE	A
2352,233	-0,0102	0	52,95	0,00028	E	GEFVLVDG	E
2352,233	-0,0084	0	41,66	0,0039	E	GEFVLVDG	E
2414,099	-0,0111	1	36,12	0,0048	G	TTQSSGGG	I
2471,121	-0,0125	1	92,1	1.10E-08	R	GTTQSSGG	I
2471,121	-0,0122	1	51,87	0,00011	R	GTTQSSGG	I
2471,121	-0,011	1	87,7	3.10E-08	R	GTTQSSGG	I
2471,121	-0,0109	1	55,52	5.10E-05	R	GTTQSSGG	I
2471,121	-0,0099	1	48,02	0,00029	R	GTTQSSGG	I
2471,121	-0,0059	1	32,61	0,01	R	GTTQSSGG	I
2637,365	-0,0117	0	54,49	0,00034	K	GVEGEFVL	E
2650,364	-0,0139	0	54,96	0,00018	R	IVAPSQDTF	G
1153,634	-0,0077	0	40,11	0,0026	A	PVEKPAPTT	K
1153,634	-0,0075	0	46,62	0,00058	A	PVEKPAPTT	K
1153,634	-0,0074	0	39,75	0,0028	A	PVEKPAPTT	K

Acetyl (N-ter)

1153,634	-0,0072	0	54,97	8.50E-05	A	PVEKPAPTT K
1153,634	-0,0043	0	36,1	0,0081	A	PVEKPAPTT K
1153,634	-0,0031	0	57,95	4.40E-05	A	PVEKPAPTT K
1153,634	-0,0026	0	47,67	0,00047	A	PVEKPAPTT K
1224,671	-0,0075	0	49,7	0,00077	V	APVEKPAP1 K
1281,729	-0,009	1	56,16	7.40E-05	A	PVEKPAPTT T
1323,74	-0,0097	0	50,44	0,00028	E	VAPVEKPAF K
1323,74	-0,0085	0	74,16	1.30E-06	E	VAPVEKPAF K
1323,74	-0,0084	0	84,22	1.30E-07	E	VAPVEKPAF K
1352,766	-0,0045	1	40,8	0,0042	V	APVEKPAP1 T
1452,782	-0,01	0	41,64	0,006	S	EVAPVEKP/ K
1452,782	-0,0074	0	59,72	9.00E-05	S	EVAPVEKP/ K
1501,814	-0,0062	0	46	0,0014	A	APVETPAS/ A
1539,814	-0,0154	0	42,39	0,0049	K	SEVAPVEKF K
1539,814	-0,0101	0	38,27	0,013	K	SEVAPVEKF K
1539,814	-0,0092	0	59,67	5.30E-05	K	SEVAPVEKF K
1539,814	-0,0078	0	45,36	0,0025	K	SEVAPVEKF K
1539,814	-0,0073	0	66,33	1.10E-05	K	SEVAPVEKF K
1539,814	-0,0049	0	90,98	3.90E-08	K	SEVAPVEKF K
1539,814	-0,0035	0	67,44	9.00E-06	K	SEVAPVEKF K
1539,814	-0,0026	0	63,13	2.40E-05	K	SEVAPVEKF K
1572,851	-0,0031	0	40,95	0,0072	A	AAPVETPAS A
1643,888	-0,0103	0	85,74	1.30E-07	K	AAAPVETP/ A
1643,888	-0,0088	0	52,9	0,00027	K	AAAPVETP/ A
1643,888	-0,0076	0	81,47	3.50E-07	K	AAAPVETP/ A
1643,888	-0,0068	0	108,13	7.50E-10	K	AAAPVETP/ A
1643,888	-0,0064	0	86,94	9.80E-08	K	AAAPVETP/ A
1667,909	-0,002	1	52,71	0,00025	K	SEVAPVEKF T
1714,925	-0,0078	1	46,12	0,0023	K	AAAPVETP/ K
1714,925	-0,0069	1	62,2	5.50E-05	K	AAAPVETP/ K
2011,011	-0,0087	0	55	0,00034	Q	LDESQAPA1 S
2401,201	-0,0053	0	39,68	0,012	F	YVQLDESQ S
1197,672	-0,0086	0	80,95	3.70E-07	K	VSAPVVNQ L
1197,672	-0,0069	0	46,11	0,00096	K	VSAPVVNQ L
1285,667	-0,0048	0	50,67	0,00046	W	NLAGELIHE V
1449,783	0,0016	0	39,48	0,0039	R	QILITGYD( L
1490,7	-0,0007	0	64,97	2.40E-05	K	GEWLATAS F
1493,73	-0,0051	0	42,94	0,0026	V	PTGWVNS/ G
1493,73	-0,0021	0	36,71	0,01	V	PTGWVNS/ G
1584,83	0,0002	0	95,73	2.90E-08	K	LWNLAGEL V
1691,867	-0,0015	0	89,97	5.70E-08	K	VVPTGWVN G
1691,867	-0,0011	0	79,64	6.10E-07	K	VVPTGWVN G
1691,867	-0,0002	0	87,58	1.00E-07	K	VVPTGWVN G
1989,007	-0,0224	0	44,37	0,0021	R	LWNLQGEL A
1989,007	-0,016	0	38,96	0,0074	R	LWNLQGEL A
1989,007	-0,0151	0	92,18	3.60E-08	R	LWNLQGEL A
1989,007	-0,0111	0	83,25	5.40E-07	R	LWNLQGEL A
2130,035	-0,0204	0	80,65	3.80E-07	K	EGEMLGQL L

2130,035	-0,0137	0	135,14	1.40E-12	K	EGEMLGQL L	
2130,035	-0,0107	0	98,34	7.00E-09	K	EGEMLGQL L	
2373,192	-0,0161	0	88,12	1.70E-07	R	INNVNFSP L	
2373,192	-0,0159	0	72,9	5.60E-06	R	INNVNFSP L	
2373,192	-0,0153	0	66,1	2.70E-05	R	INNVNFSP L	
2373,192	-0,0095	0	51,81	0,00073	R	INNVNFSP L	
2373,192	-0,0073	0	79,41	1.30E-06	R	INNVNFSP L	
2373,192	-0,006	0	58,06	0,00017	R	INNVNFSP L	
2914,53	0,0069	0	61,12	7.70E-05	R	NLAYHPQG I	
3201,601	-0,0106	1	55,54	0,00014	R	EISTGQGRI L	
1409,648	-0,0005	0	46,67	0,00069	L	DWWHSQC L	
1522,732	-0,0017	0	41,07	0,0069	V	LDWWHSQ L	
1528,752	-0,0104	0	69,4	1.10E-05	C	DLTQPDSLIG	
1528,752	-0,0082	0	58,7	0,00013	C	DLTQPDSLIG	
1802,826	-0,0166	0	44,21	0,0014	R	NCDLTQPD G	
1802,826	-0,0139	0	35,21	0,0062	R	NCDLTQPD G	
1802,826	-0,0122	0	83,77	1.70E-07	R	NCDLTQPD G	
1802,826	-0,008	0	46,14	0,0011	R	NCDLTQPD G	
1802,826	-0,0078	0	83,84	1.90E-07	R	NCDLTQPD G	
1841,894	-0,0026	0	65,35	1.40E-05	G	TTLCNQLE/ I	
1841,894	0,0081	0	44,77	0,0017	G	TTLCNQLE/ I	
1898,916	-0,0028	0	103,84	3.70E-09	L	GTTLCNQLI I	
2049,093	-0,0013	0	46,78	0,0017	K	LHGLMPDL T	
2064,018	-0,021	0	82,84	2.60E-07	K	LNTNVLDW L	
2064,018	-0,0184	0	111,44	3.60E-10	K	LNTNVLDW L	
2064,018	-0,0182	0	77,12	9.60E-07	K	LNTNVLDW L	
2064,018	-0,0179	0	69,69	5.30E-06	K	LNTNVLDW L	
2064,018	-0,0151	0	103,45	2.30E-09	K	LNTNVLDW L	
2064,018	0,0002	0	71,76	3.80E-06	K	LNTNVLDW L	
2193,183	-0,007	1	49,23	0,00047	K	KLHGLMPD T	Oxidation (I
2216,09	-0,0098	0	88,3	8.10E-08	T	GFLGTTLCN I	
2216,09	-0,0082	0	107,65	9.40E-10	T	GFLGTTLCN I	
2317,137	-0,0154	0	41,4	0,0067	G	TGFLGTTLC I	
2374,159	-0,009	0	83,88	2.10E-07	G	GTGFLGTTL I	
2431,18	-0,0108	0	73,09	4.30E-06	T	GGTGFLGT I	
2532,228	-0,0146	0	47,63	0,00083	V	TGGTGFLG I	
2574,238	0,0184	0	48,13	0,00082	V	TGGTGFLG I	Acetyl (N-te
1255,617	-0,009	0	40,16	0,0031	L	MVLGHQG(A	
1255,617	-0,0056	0	57,94	5.50E-05	L	MVLGHQG(A	
1255,617	-0,0024	0	49,88	0,00036	L	MVLGHQG(A	
1368,701	-0,009	0	53,44	0,00045	V	LMVLGHQC A	
1467,769	-0,0089	0	47,03	0,00097	K	VLMVLGHQ A	
1467,769	-0,0071	0	73,61	2.10E-06	K	VLMVLGHQ A	
1467,769	-0,0045	0	39,46	0,0054	K	VLMVLGHQ A	
1627,824	0,0008	0	85,89	1.40E-07	K	AAMDGGDI K	
1627,824	0,0009	0	101,04	4.40E-09	K	AAMDGGDI K	
1627,824	0,0015	0	100,29	5.30E-09	K	AAMDGGDI K	
1627,824	0,0025	0	76,63	1.20E-06	K	AAMDGGDI K	

1627,824	0,006	0	83,42	2.70E-07	K	AAMDGGDI K	
1643,819	-0,0014	0	38,37	0,008	K	AAMDGGDI K	Oxidation (I
1643,819	-0,0011	0	92,3	3.30E-08	K	AAMDGGDI K	Oxidation (I
1643,819	0,0002	0	40,04	0,0052	K	AAMDGGDI K	Oxidation (I
1643,819	0,0014	0	96,59	1.20E-08	K	AAMDGGDI K	Oxidation (I
1643,819	0,0015	0	61,16	4.10E-05	K	AAMDGGDI K	Oxidation (I
1643,819	0,0046	0	105,59	1.50E-09	K	AAMDGGDI K	Oxidation (I
2079,999	-0,0093	0	62,45	2.50E-05	K	IDIGSVTDD A	
2079,999	-0,0055	0	104,31	1.70E-09	K	IDIGSVTDD A	
2130,089	-0,0033	1	46,73	0,0013	T	PQQLLELNR	
2208,094	-0,0041	1	38,19	0,0087	K	KIDIGSVTDI A	
2208,094	-0,0035	1	121,5	4.10E-11	K	KIDIGSVTDI A	
2370,28	-0,0094	0	86,7	9.40E-08	R	IAGNVATPC V	
2370,28	-0,0079	0	44,24	0,0016	R	IAGNVATPC V	
1239,665	-0,0059	0	53,79	0,00016	K	LGAHLMTV G	
1239,665	-0,0057	0	51,88	0,00025	K	LGAHLMTV G	
1239,73	-0,0058	1	33,23	0,013	E	AVTVLLPTD E	
1281,577	-0,0084	0	55,19	6.20E-05	R	QYGGSNM(W	
1285,646	-0,0015	0	41,5	0,0037	P	YGFYQEVRI T	
1289,654	-0,0093	0	57,17	0,00011	R	FLTYELVD L	
1289,654	-0,007	0	52,66	0,00033	R	FLTYELVD L	
1289,654	-0,0061	0	43,5	0,0025	R	FLTYELVD L	
1297,572	-0,0068	0	45,47	0,00045	R	QYGGSNM(W	Oxidation (I
1297,572	-0,0036	0	51,02	0,00015	R	QYGGSNM(W	Oxidation (I
1382,698	-0,0024	0	42,76	0,0057	D	PYGFYQEVIT	
1382,698	0,0006	0	39,92	0,011	D	PYGFYQEVIT	
1439,81	-0,0039	1	66,08	1.00E-05	T	AEAVTVLLP E	
1515,699	-0,0077	0	79,13	3.50E-07	V	PGFYTELFI Q	
1540,857	-0,0027	1	64,78	2.40E-05	P	TAEAVTVLL E	
1598,773	-0,0106	0	42,25	0,0047	K	TDPYGFYQIT	
1598,773	-0,0004	0	84,8	2.90E-07	K	TDPYGFYQIT	
1598,773	0,0008	0	59,88	9.40E-05	K	TDPYGFYQIT	
1637,91	-0,0195	1	42,26	0,0024	L	PTAEAVTVL E	
1637,91	-0,018	1	68,94	4.90E-06	L	PTAEAVTVL E	
1637,91	-0,0038	1	77,26	6.30E-07	L	PTAEAVTVL E	
1637,91	-0,0016	1	35,97	0,0085	L	PTAEAVTVL E	
1637,91	0,0007	1	82,33	2.00E-07	L	PTAEAVTVL E	
1711,821	-0,0001	0	81,69	2.90E-07	V	PVPGFYTEL Q	
1750,994	-0,0144	1	51,6	0,00019	Y	LPTAEAVTV E	
1750,994	-0,0139	1	46,27	0,00063	Y	LPTAEAVTV E	
1750,994	-0,0066	1	68,47	5.40E-06	Y	LPTAEAVTV E	
1779,808	-0,0043	0	37,45	0,0041	L	TDFDLHVF(I	
1892,892	-0,0031	0	40,89	0,0059	K	LTDFDLHVI I	
1985,095	-0,0027	1	60,33	5.10E-05	R	AYLPTAEAV E	
1985,918	-0,0041	0	73,61	1.20E-06	K	LSQNAEEN -	
1985,918	-0,004	0	58,74	3.80E-05	K	LSQNAEEN -	
1985,918	-0,003	0	64,76	9.80E-06	K	LSQNAEEN -	
2274,009	-0,0115	1	35,92	0,0035	V	ADLDGYQV T	

2745,278	0,006	1	94,15	1.30E-08	K	TASIVADLD T
1171,733	-0,0096	0	26,31	0,013	I	YVKPIQALL S
1171,733	-0,0047	0	37,66	0,00082	I	YVKPIQALL S
1216,623	-0,0099	0	65,21	3.20E-05	R	CLGQGQSI A
1216,623	-0,0091	0	77,48	2.00E-06	R	CLGQGQSI A
1216,623	-0,0077	0	64,19	4.30E-05	R	CLGQGQSI A
1216,623	-0,0048	0	47,63	0,0019	R	CLGQGQSI A
1284,817	-0,0023	0	33,07	0,0011	R	IYVKPIQALL S
1284,817	-0,0019	0	33,89	0,0009	R	IYVKPIQALL S
1284,817	-0,0001	0	42,35	0,00012	R	IYVKPIQALL S
1299,704	-0,0108	0	51,66	0,00041	K	APVLVSGTI L
1299,704	-0,0077	0	44,83	0,0021	K	APVLVSGTI L
1299,704	-0,007	0	38,15	0,0098	K	APVLVSGTI L
1299,704	-0,0067	0	73,67	2.80E-06	K	APVLVSGTI L
1299,704	-0,0058	0	75,66	1.70E-06	K	APVLVSGTI L
1299,704	-0,0051	0	99,87	5.80E-09	K	APVLVSGTI L
1299,704	-0,0011	0	98,43	7.90E-09	K	APVLVSGTI L
1299,704	-0,0006	0	58,28	8.50E-05	K	APVLVSGTI L
1372,793	-0,0131	1	36,24	0,012	P	VLVSGTDG' I
1372,793	-0,0126	1	45,17	0,0015	P	VLVSGTDG' I
1540,883	-0,0121	1	79,19	5.90E-07	K	APVLVSGTI I
1540,883	-0,0113	1	100,69	4.20E-09	K	APVLVSGTI I
1540,883	-0,0092	1	126,27	1.10E-11	K	APVLVSGTI I
1618,806	-0,0148	1	47,08	0,0011	R	QAGVDVEA I
1827,931	-0,0008	0	50,58	0,00052	K	AGSWQPLF G
2240,148	-0,0167	0	50,59	0,0005	K	SGINIHGMI C
2240,148	-0,0098	0	86,18	1.40E-07	K	SGINIHGMI C
3253,669	-0,0104	0	116,49	2.50E-10	K	SQLLNGSQ K
1201,646	-0,0149	0	60,52	4.80E-05	V	PTQEAIQFII S
1201,646	-0,0136	0	50,56	0,00052	V	PTQEAIQFII S
1201,646	-0,0123	0	57,53	0,0001	V	PTQEAIQFII S
1201,646	-0,0116	0	60,91	4.80E-05	V	PTQEAIQFII S
1201,646	-0,0101	0	45,85	0,0015	V	PTQEAIQFII S
1201,646	-0,0096	0	42,26	0,0035	V	PTQEAIQFII S
1201,646	-0,0087	0	59,63	6.40E-05	V	PTQEAIQFII S
1201,646	-0,0083	0	64,84	1.70E-05	V	PTQEAIQFII S
1201,646	-0,0076	0	64,92	1.80E-05	V	PTQEAIQFII S
1201,646	-0,0069	0	49,86	0,00057	V	PTQEAIQFII S
1201,646	0,0136	0	61,98	3.20E-05	V	PTQEAIQFII S
1413,798	-0,0075	0	50,25	0,00038	R	IVPTQEAIQI S
1413,798	-0,0054	0	80,12	4.10E-07	R	IVPTQEAIQI S
1413,798	-0,0027	0	70,31	3.30E-06	R	IVPTQEAIQI S
1413,798	-0,0019	0	62,31	2.10E-05	R	IVPTQEAIQI S
1413,798	-0,0002	0	70,29	3.00E-06	R	IVPTQEAIQI S
1413,798	0,0001	0	66,49	7.80E-06	R	IVPTQEAIQI S
1618,832	0,0001	1	92,53	6.40E-08	I	SQQEANGF Q
1731,916	-0,0013	1	114,05	2.10E-10	F	ISQQEANG Q
1878,984	-0,0026	1	61,86	6.50E-05	V	FISQQEANG Q

1878,984	-0,0021	1	122,02	6.30E-11	V	FISQQEANQ	
2035,074	-0,0045	1	108,38	1.40E-09	T	GVFISQQE/ Q	
2035,074	0,0033	1	45,94	0,0022	T	GVFISQQE/ Q	
2136,122	-0,0035	1	72,06	3.20E-06	V	TGVFISQQE Q	
2235,19	-0,0044	1	101,14	6.20E-09	K	VTGVFISQC Q	
2307,28	-0,0019	1	67,12	5.20E-06	K	KQKPDVGS I	
2307,28	-0,0013	1	39,69	0,0027	K	KQKPDVGS I	
899,509	-0,0062	0	37,27	0,01	V	APHVLAHR L	
1145,646	-0,0039	0	63,93	1.40E-05	K	FVAPHVLAH L	
1176,614	-0,0123	0	42,28	0,0065	T	EDLQQYLLI L	
1281,635	-0,0044	0	64,24	1.60E-05	R	ATQAFAFLE D	
1281,635	-0,003	0	50,22	0,0004	R	ATQAFAFLE D	
1360,691	-0,0044	0	66,27	2.80E-05	R	TQAALLEVN Q	
1360,691	-0,0041	0	66,76	2.50E-05	R	TQAALLEVN Q	
1360,691	-0,0031	0	86,04	2.90E-07	R	TQAALLEVN Q	
1360,691	-0,0026	0	47,36	0,0022	R	TQAALLEVN Q	
1390,746	-0,0093	0	55,49	0,00031	K	LTEDLQQYI L	
1390,746	-0,0091	0	74,64	3.70E-06	K	LTEDLQQYI L	
1390,746	-0,0077	0	92,49	5.90E-08	K	LTEDLQQYI L	
1390,746	-0,007	0	70,3	9.70E-06	K	LTEDLQQYI L	
1390,746	-0,0068	0	77,41	1.90E-06	K	LTEDLQQYI L	
1390,746	-0,0045	0	77,4	2.00E-06	K	LTEDLQQYI L	
1390,746	-0,0027	0	87,21	1.90E-07	K	LTEDLQQYI L	
1709,91	0,0001	0	62,14	3.10E-05	L	PGPAFANIL A	
1745,968	-0,003	1	56,13	7.80E-05	R	QVKLTEDLC L	
2072,174	-0,0046	2	36,79	0,0035	K	AVRQVKLT E L	
2156,257	-0,0109	0	75,79	3.60E-07	R	LVLVALLSG T	
2156,257	-0,0089	0	64,67	3.30E-06	R	LVLVALLSG T	
2156,257	-0,0073	0	74,51	3.30E-07	R	LVLVALLSG T	
2316,091	-0,0059	1	37,56	0,0063	R	ATQAFAFLE F	
2346,174	-0,0034	1	51,92	0,00037	R	TQAALLEVN L	
2441,313	-0,0098	1	59,77	4.50E-05	R	EQISVLTQN L	
2740,549	-0,0054	1	80,31	3.60E-07	K	DEAIRLVLV T	
2740,549	-0,0008	1	71,2	2.70E-06	K	DEAIRLVLV T	
3436,782	0,0006	0	77,4	1.80E-06	R	LVPHPFFVI F	
1133,619	-0,0082	1	64,26	1.90E-05	R	KFNIAIEGSI D	
1133,619	-0,0079	1	56,4	0,00011	R	KFNIAIEGSI D	
1133,619	-0,0072	1	59,25	5.80E-05	R	KFNIAIEGSI D	
1133,619	-0,0051	1	45,67	0,0013	R	KFNIAIEGSI D	
1166,557	-0,0068	0	63,59	3.30E-05	R	LADTYGSGI L	
1166,557	-0,0068	0	51,3	0,00057	R	LADTYGSGI L	
1166,557	-0,0066	0	44,42	0,0028	R	LADTYGSGI L	
1379,767	-0,0077	0	52,73	0,00016	A	GLNYVGLH L	
1473,808	-0,0073	1	62,63	2.50E-05	R	GIKIEDIPDI L	
1578,863	-0,0045	0	59,08	9.40E-05	K	QAGLNYVG L	
1617,778	-0,0086	0	41,1	0,0034	R	DLVQGVQI G	Oxidation (I
1799,927	-0,0029	1	93,54	2.60E-08	I	TGSPVAGLI D	
1799,927	0,0018	1	79,74	6.40E-07	I	TGSPVAGLI D	



1851,846	-0,0077	0	84,72	8.20E-08	K	LESCGLTS\ N	Oxidation (I
1851,846	-0,0045	0	60,86	2.10E-05	K	LESCGLTS\ N	
1851,846	-0,0008	0	84,81	9.00E-08	K	LESCGLTS\ N	
1867,84	-0,0041	0	52,07	0,00013	K	LESCGLTS\ N	
2027,054	-0,019	1	57,26	0,00011	R	NITGSPVAC D	
2068,088	-0,0273	1	77,48	2.00E-06	K	LPFPLLTAAI R	
2068,088	-0,0242	1	124,2	3.90E-11	K	LPFPLLTAAI R	
2068,088	-0,0178	1	105,59	2.90E-09	K	LPFPLLTAAI R	
2068,088	-0,0158	1	103,07	5.10E-09	K	LPFPLLTAAI R	
2626,209	-0,0238	0	41,07	0,0036	R	IHWTGCPN V	
2626,209	-0,0076	0	90,39	5.00E-08	R	IHWTGCPN V	
2626,209	-0,0066	0	53,97	0,00023	R	IHWTGCPN V	
1009,567	-0,0076	0	44,98	0,00074	P	TLAAAHAI S A	
1106,62	-0,0044	0	52,32	0,00033	A	PTLAAAHAI A	
1106,62	-0,0028	0	53,66	0,00023	A	PTLAAAHAI A	
1178,616	-0,014	0	44,07	0,0041	L	AQLHQALE T	
1178,616	-0,0091	0	52,25	0,00062	L	AQLHQALE T	
1248,694	-0,0091	0	86,72	1.60E-07	K	AAPTAAAAF A	
1248,694	-0,0006	0	92,27	3.60E-08	K	AAPTAAAAF A	
1248,694	0,0003	0	78,59	8.40E-07	K	AAPTAAAAF A	
1291,7	-0,0058	0	56,94	8.40E-05	N	LAQLHQALI T	
1321,772	-0,0074	1	44,23	0,00066	R	LADALVAQI -	
1358,756	-0,0102	1	47,25	0,0015	R	RFEGPEVL/ A	
1358,756	-0,0102	1	56,83	0,00017	R	RFEGPEVL/ A	
1358,756	-0,0087	1	39,23	0,0098	R	RFEGPEVL/ A	
1358,756	-0,0079	1	44,26	0,003	R	RFEGPEVL/ A	
1358,756	-0,0073	1	39,51	0,0088	R	RFEGPEVL/ A	
1405,743	-0,0048	0	58,81	6.80E-05	A	NLAQLHQA T	
1532,758	-0,0038	0	101,86	7.30E-09	R	AAQAGGAT Q	
1532,758	-0,0035	0	70,28	1.00E-05	R	AAQAGGAT Q	
1532,758	-0,0027	0	40,13	0,011	R	AAQAGGAT Q	
1563,812	-0,0107	0	37,05	0,011	M	SANLAQLH T	
1563,812	-0,0106	0	90,46	5.00E-08	M	SANLAQLH T	
1563,812	-0,0101	0	65,92	1.30E-05	M	SANLAQLH T	
1563,812	-0,0072	0	113,45	2.50E-10	M	SANLAQLH T	
1563,812	-0,0052	0	60,96	4.40E-05	M	SANLAQLH T	
1858,99	-0,0026	0	86,03	2.30E-07	K	VISGLNNFI A	
1977,076	-0,0073	1	61,39	3.10E-05	M	SANLAQLH V	
1977,076	-0,0055	1	40,15	0,0038	M	SANLAQLH V	
2398,272	-0,0029	1	46,37	0,0024	R	AAQAGGAT H	
2398,272	0,0008	1	67,1	2.10E-05	R	AAQAGGAT H	
2398,272	0,0022	1	61,85	6.90E-05	R	AAQAGGAT H	
2398,272	0,0045	1	40,96	0,0082	R	AAQAGGAT H	
757,4082	-0,0077	0	34,96	0,0098	S	PATLNSR V	
757,4082	-0,0071	0	35,25	0,0094	S	PATLNSR V	
844,4403	-0,0071	0	55,76	0,00025	S	SPATLNSR V	
844,4403	-0,0057	0	43,12	0,0045	S	SPATLNSR V	
844,4403	-0,0054	0	43,24	0,0044	S	SPATLNSR V	

1044,556	-0,0091	0	70,98	8.60E-06	K	LSSPATLNS V	
1044,556	-0,0076	0	71,14	8.70E-06	K	LSSPATLNS V	
1044,556	0,0016	0	39,26	0,012	K	LSSPATLNS V	
1565,732	-0,0029	0	56,03	9.60E-05	R	LGEHNIDVI F	
1565,732	0,0022	0	39,08	0,005	R	LGEHNIDVI F	
1565,732	0,0069	0	47,46	0,00077	R	LGEHNIDVI F	
1712,801	0,0062	0	64,22	2.90E-05	R	LGEHNIDVI I	
1939,928	-0,0104	0	108,82	5.70E-10	R	LGEHNIDVI A	
1939,928	-0,0066	0	37,9	0,007	R	LGEHNIDVI A	
1939,928	-0,0042	0	57,26	8.10E-05	R	LGEHNIDVI A	
1939,928	-0,0042	0	100,41	3.90E-09	R	LGEHNIDVI A	
1939,928	-0,0042	0	100,28	4.00E-09	R	LGEHNIDVI A	
1939,928	-0,0026	0	83,42	2.10E-07	R	LGEHNIDVI A	
1939,928	0,0007	0	69,38	5.30E-06	R	LGEHNIDVI A	
2210,097	-0,014	0	67,55	1.00E-05	R	LGEHNIDVI I	
2210,097	-0,0121	0	79,72	6.00E-07	R	LGEHNIDVI I	
2210,097	-0,0044	0	49,76	0,00062	R	LGEHNIDVI I	
2210,097	-0,0038	0	37,73	0,0099	R	LGEHNIDVI I	
2210,097	-0,0015	0	37,65	0,01	R	LGEHNIDVI I	
2298,168	-0,0054	0	69,14	7.70E-06	K	IITHPNFNG L	Oxidation (I
2323,181	-0,0153	1	50,76	0,00095	R	LGEHNIDVI I	
2323,181	-0,0105	1	65,37	3.30E-05	R	LGEHNIDVI I	
2323,181	-0,0048	1	40,63	0,01	R	LGEHNIDVI I	
2323,181	0,001	1	86,92	2.40E-07	R	LGEHNIDVI I	
2323,181	0,002	1	93,03	5.80E-08	R	LGEHNIDVI I	
1093,507	-0,0014	1	52,18	0,0002	V	TEETKAEMF Q	
1192,576	-0,0036	1	60,05	9.00E-05	I	VTEETKAEM Q	
1260,609	-0,0024	0	43,2	0,0045	R	ESEELIEEV A	
1305,66	-0,0087	1	76,16	1.20E-06	R	IVTEETKAEM Q	
1305,66	-0,0072	1	95,53	1.50E-08	R	IVTEETKAEM Q	
1305,66	-0,002	1	63,74	2.30E-05	R	IVTEETKAEM Q	
1321,655	-0,0134	1	59,06	6.20E-05	R	IVTEETKAEM Q	Oxidation (I
1321,655	-0,0101	1	36,93	0,011	R	IVTEETKAEM Q	Oxidation (I
1321,655	-0,0066	1	66,33	1.20E-05	R	IVTEETKAEM Q	Oxidation (I
1321,655	-0,0063	1	53,18	0,00025	R	IVTEETKAEM Q	Oxidation (I
1321,655	-0,0063	1	62,57	2.90E-05	R	IVTEETKAEM Q	Oxidation (I
1321,655	-0,0042	1	42,36	0,0031	R	IVTEETKAEM Q	Oxidation (I
1405,677	-0,0006	0	40,65	0,0041	L	ENQAGKPG R	
1479,757	-0,0019	0	37,96	0,0082	K	DSGVNVVV S	
1503,768	-0,0014	0	64,53	1.90E-05	R	QILDEIQSG E	
1540,701	0,0007	0	65,48	1.50E-05	R	DSISNTAEY G	
1564,811	-0,0064	0	78,88	1.40E-06	I	IGYGSQGH D	
1644,821	0,0005	1	89,46	1.30E-07	R	ESEELIEEV A	
1644,821	0,0019	1	95,96	3.10E-08	R	ESEELIEEV A	
1728,803	-0,0029	0	80,92	5.10E-07	R	MYDQDAN T	
1728,803	-0,0002	0	98,57	9.00E-09	R	MYDQDAN T	
1748,932	0,0072	0	53,19	0,00037	V	AIIGYSQG D	
1893,941	-0,0252	0	70,8	8.30E-06	R	EFVLENQA R	

1893,941	-0,0146	0	45,18	0,0031	R	EFVLENQA(R
1893,941	-0,0042	0	48,22	0,0008	R	EFVLENQA(R
1893,941	0,0013	0	61,45	3.90E-05	R	EFVLENQA(R
1949,048	-0,0064	0	42,85	0,0021	K	TVAIIGYGS(D
1949,048	-0,0045	0	47,98	0,0013	K	TVAIIGYGS(D
1949,048	-0,0012	0	40,55	0,0035	K	TVAIIGYGS(D
2138,017	-0,0107	2	38,87	0,0048	K	MRDSISNT/I
2138,017	-0,0057	2	39,11	0,0048	K	MRDSISNT/I
1240,641	-0,0092	1	62,56	5.70E-05	V	PVQDREEG L
1307,699	-0,0108	0	43,01	0,0021	Y	PLAQWVPV E
1324,735	-0,0076	0	70,63	6.10E-06	A	IAPVQAETV V
1324,735	-0,0063	0	37,6	0,012	A	IAPVQAETV V
1339,71	-0,0061	1	35,17	0,013	W	VPVQDREE L
1354,807	-0,0081	0	73,98	1.10E-06	V	VSDGILLVG Q
1354,807	-0,0069	0	87,26	5.10E-08	V	VSDGILLVG Q
1524,913	-0,0094	0	61,38	1.30E-05	K	AVVSDGILL Q
1524,913	-0,0067	0	95,35	5.00E-09	K	AVVSDGILL Q
1524,913	-0,0036	0	96,09	4.00E-09	K	AVVSDGILL Q
1524,913	-0,0024	0	74,37	5.90E-07	K	AVVSDGILL Q
1524,913	-0,0011	0	92,73	7.30E-09	K	AVVSDGILL Q
1524,913	-0,0004	0	80,02	1.30E-07	K	AVVSDGILL Q
1629,869	0,0012	1	57,86	9.10E-05	K	TITVDLDRV F
1724,885	0,0073	1	48,85	0,0014	L	AQWVPVQI L
1935,021	-0,0165	1	46,19	0,0014	Y	PLAQWVPV L
1935,021	-0,0079	1	57,08	0,00011	Y	PLAQWVPV L
1935,021	0,0003	1	72,7	4.90E-06	Y	PLAQWVPV L
1935,021	0,0006	1	76,81	1.90E-06	Y	PLAQWVPV L
1935,021	0,0007	1	65,66	2.50E-05	Y	PLAQWVPV L
2098,085	-0,0115	1	54,55	0,00039	I	YPLAQWVP L
2211,169	-0,0113	1	60,12	5.50E-05	K	IYPLAQWVf L
2211,169	-0,0095	1	79,43	6.30E-07	K	IYPLAQWVf L
2632,397	-0,0042	2	72,74	5.30E-06	Y	PLAQWVPV A
2908,545	-0,0087	2	54,75	0,00032	K	IYPLAQWVf A
2908,545	0,0083	2	61,09	6.90E-05	K	IYPLAQWVf A
1037,562	-0,0064	0	47,24	0,0005	V	GAGGVGS\ C
1136,63	-0,0046	0	92,78	3.10E-08	I	VGAGGVGS C
1249,714	-0,0049	0	93,88	8.10E-09	M	IVGAGGVG: C
1249,714	-0,0041	0	91,91	1.30E-08	M	IVGAGGVG: C
1249,714	-0,0037	0	64,27	6.60E-06	M	IVGAGGVG: C
1295,629	-0,0074	0	67,43	7.90E-06	K	CDQIAAHIC V
1295,629	-0,0057	0	53,12	0,0002	K	CDQIAAHIC V
1380,755	-0,005	0	48,97	0,00094	V	MIVGAGGV C
1464,746	-0,0047	0	48,08	0,0017	K	TAALDAFQ\ L
1464,746	-0,0044	0	77,92	1.80E-06	K	TAALDAFQ\ L
1464,746	0,0008	0	66,97	2.20E-05	K	TAALDAFQ\ L
1479,823	-0,0066	0	103,07	1.60E-09	K	VMIVGAGG C
1479,823	-0,006	0	92,25	1.80E-08	K	VMIVGAGG C
1479,823	-0,0017	0	111,85	2.00E-10	K	VMIVGAGG C

1495,818	-0,008	0	46,97	0,00087	K	VMIVGAGG C	Oxidation (I
1495,818	-0,0054	0	70,87	3.20E-06	K	VMIVGAGG C	Oxidation (I
1649,715	-0,0021	0	35,57	0,0038	K	FEYSWQW F	
1813,861	-0,0007	0	85,81	9.90E-08	R	FWMTFSEA V	
2078,981	-0,0107	0	63,05	1.70E-05	R	YHEDGVW D	
2078,981	-0,0097	0	66,45	8.10E-06	R	YHEDGVW D	
2078,981	-0,0086	0	82,87	1.80E-07	R	YHEDGVW D	
2292,104	-0,0216	1	39,32	0,0042	K	GRYHEDGV D	
2999,503	0,0004	0	72,17	3.30E-06	R	DINYPHIG C	
1167,629	-0,0096	0	46,23	0,00083	R	VFVYEVSGI Q	
1738,835	-0,0056	1	53,81	0,00018	G	LRQTDANE R	
1895,916	-0,0078	0	63,47	1.90E-05	-	MLGQSSLV V	
1895,916	-0,0047	0	77,9	7.20E-07	-	MLGQSSLV V	
1895,916	0	0	134,54	1.60E-12	-	MLGQSSLV V	
1895,916	0,0087	0	46,31	0,0011	-	MLGQSSLV V	
1911,911	-0,0086	0	83,6	1.80E-07	-	MLGQSSLV V	Oxidation (I
1911,911	-0,0058	0	71,59	2.90E-06	-	MLGQSSLV V	Oxidation (I
1911,911	-0,0018	0	37,85	0,0069	-	MLGQSSLV V	Oxidation (I
1911,911	-0,0014	0	53,22	0,0002	-	MLGQSSLV V	Oxidation (I
1911,911	-0,0009	0	48,46	0,0006	-	MLGQSSLV V	Oxidation (I
1911,911	0,0008	0	55,46	0,00012	-	MLGQSSLV V	Oxidation (I
2088,024	-0,0069	0	62,29	3.20E-05	R	LGGTIVNIRI -	
2088,024	-0,0067	0	48,03	0,00085	R	LGGTIVNIRI -	
2088,024	-0,002	0	95,59	1.60E-08	R	LGGTIVNIRI -	
2088,024	-0,0009	0	42,29	0,0034	R	LGGTIVNIRI -	
2088,024	-0,0006	0	114,51	2.10E-10	R	LGGTIVNIRI -	
2088,024	0,0012	0	59,6	6.30E-05	R	LGGTIVNIRI -	
2088,024	0,0023	0	136,61	1.30E-12	R	LGGTIVNIRI -	
2088,024	0,0027	0	53,85	0,00024	R	LGGTIVNIRI -	
2088,024	0,0053	0	93,9	2.50E-08	R	LGGTIVNIRI -	
1148,619	-0,0093	1	39,54	0,011	G	RAFAEVLSE V	
1148,619	-0,0057	1	44,83	0,0031	G	RAFAEVLSE V	
1276,616	-0,0017	1	43,24	0,0045	K	FDAEQREN Q	
1430,725	-0,007	0	47,78	0,0019	K	VEDGVTNA F	
1430,725	-0,0053	0	71,12	9.10E-06	K	VEDGVTNA F	
1430,725	-0,0048	0	69,93	1.20E-05	K	VEDGVTNA F	
1430,725	-0,0043	0	71,4	8.60E-06	K	VEDGVTNA F	
1430,725	-0,0037	0	56,55	0,00026	K	VEDGVTNA F	
1430,725	-0,0032	0	70,63	1.00E-05	K	VEDGVTNA F	
1430,725	-0,0021	0	60,29	0,00011	K	VEDGVTNA F	
1430,725	-0,0004	0	83,81	5.10E-07	K	VEDGVTNA F	
1500,731	-0,0043	0	71,45	6.70E-06	D	GPVSADEL L	
1500,731	-0,004	0	79,85	9.60E-07	D	GPVSADEL L	
1500,731	-0,0033	0	79,73	1.00E-06	D	GPVSADEL L	
1500,731	-0,0024	0	90,98	7.60E-08	D	GPVSADEL L	
1550,803	-0,0029	0	77,65	1.80E-06	-	MQNQVLQ A	
1550,803	-0,0023	0	72,41	6.00E-06	-	MQNQVLQ A	
2177,06	-0,0105	1	140,63	4.40E-13	K	VEDGVTNA E	

2177,06	0	1	53,97	0,00022	K	VEDGVTNA E
2335,167	-0,0094	2	71,87	7.20E-06	K	FDAEQREN A
2461,22	0,0017	2	46,45	0,0025	E	DGVTNALS  Q
2461,22	0,0023	2	83,32	5.10E-07	E	DGVTNALS  Q
2689,331	-0,0014	2	85,88	2.90E-07	K	VEDGVTNA Q
2689,331	0,0039	2	63,86	4.70E-05	K	VEDGVTNA Q
1225,678	-0,0084	0	71,7	2.70E-06	R	QVAALQAE L
1225,678	-0,0046	0	62,61	2.20E-05	R	QVAALQAE L
1225,678	-0,0046	0	76,39	9.30E-07	R	QVAALQAE L
1543,748	-0,0043	0	72,59	2.50E-06	K	TPAQSQTEI R
1598,801	-0,0118	1	59,28	5.70E-05	T	PAQSQTED Q
1598,801	-0,0073	1	60,64	4.50E-05	T	PAQSQTED Q
1699,849	-0,0127	1	101,23	3.90E-09	K	TPAQSQTEI Q
1699,849	-0,0116	1	82,37	3.00E-07	K	TPAQSQTEI Q
1874,89	-0,0083	2	36,04	0,0096	V	DTLVERGEI Y
1930,942	-0,0065	1	60,57	4.20E-05	K	LVDTLVERC R
2087,043	-0,0123	2	36,46	0,013	K	LVDTLVERC Y
2087,043	-0,012	2	92,09	3.60E-08	K	LVDTLVERC Y
2087,043	-0,0118	2	66,56	1.30E-05	K	LVDTLVERC Y
2111,09	-0,0032	0	120,33	9.90E-11	K	AVYLGVGIA E
2165,035	-0,0072	1	44,66	0,0015	V	DELIREAQC Q
2180,096	0,0002	1	41,74	0,004	R	RIEITDEEE T
2427,167	-0,011	1	45,08	0,0014	R	YVDELIREA Q
2427,167	-0,0098	1	51,03	0,00035	R	YVDELIREA Q
2427,167	-0,0091	1	74,57	1.60E-06	R	YVDELIREA Q
2427,167	-0,0058	1	109,82	4.80E-10	R	YVDELIREA Q
2427,167	-0,0035	1	76,11	1.10E-06	R	YVDELIREA Q
2427,167	0,0031	1	80,06	4.70E-07	R	YVDELIREA Q
1382,745	-0,0106	1	52,8	0,00048	K	RILPCLDVN V
1518,71	-0,0034	0	52,53	0,00038	R	LDADNPGV G
1520,856	-0,0021	0	79,46	4.70E-07	I	PLTVGGGIS N
1715,837	-0,0055	0	54,24	0,00018	R	ENTGLDAIA R
1781,009	-0,0045	0	58,19	6.10E-05	V	FIPLTVGGG N
1830,913	-0,012	2	58,68	0,00015	R	RRLDADNP G
1880,077	-0,0028	0	36,27	0,0043	E	VFIPLTVGG N
1913,948	-0,0052	0	51,11	0,00044	A	GADELVFLI D
1984,985	-0,0089	0	67,55	1.80E-05	E	AGADELVFI D
1985,981	-0,0036	1	40,64	0,005	R	GGRENTGL R
2210,231	-0,0093	0	109,93	3.10E-10	K	AEAALLASL T
2210,231	-0,0068	0	85,49	8.30E-08	K	AEAALLASL T
2210,231	-0,0038	0	104,74	9.30E-10	K	AEAALLASL T
2228,071	-0,002	0	56,55	0,0001	Y	NEAGADEL D
2310,247	-0,005	0	95,56	1.20E-08	R	TAEVFIPLI N
2310,247	-0,0041	0	48,26	0,0006	R	TAEVFIPLI N
2310,247	-0,0026	0	65,9	1.00E-05	R	TAEVFIPLI N
2310,247	-0,0019	0	113,86	1.70E-10	R	TAEVFIPLI N
2310,247	0,0011	0	103,92	1.50E-09	R	TAEVFIPLI N
2310,247	0,0017	0	59,28	4.50E-05	R	TAEVFIPLI N

2462,171	-0,0085	0	35,76	0,01	R	AYNEAGAD D
2462,171	-0,0062	0	48,19	0,0006	R	AYNEAGAD D
2462,171	0,0004	0	45,86	0,0011	R	AYNEAGAD D
3384,818	0,007	1	42,99	0,0014	R	DTIIDVVYR1 N
1097,619	-0,0064	1	41,36	0,0029	R	KAAGVTAL1 A
1179,632	-0,0094	1	59,12	4.50E-05	R	KLCTYPG11 M
1227,588	-0,0097	0	50,4	0,00028	I	EGLHPLYD1 V
1330,692	-0,009	0	93,14	5.50E-08	R	VVLIGVAG1 S
1330,692	-0,0018	0	43,29	0,0054	R	VVLIGVAG1 S
1340,672	-0,0101	0	54,06	0,00039	V	IEGLHPLYD V
1340,672	-0,0098	0	47,81	0,0016	V	IEGLHPLYD V
1435,735	-0,0093	0	86,66	1.20E-07	R	KPDFTAY1E1 Q
1435,735	-0,0014	0	54,71	0,00018	R	KPDFTAY1E1 Q
1439,741	-0,0037	0	79,78	4.90E-07	V	VIEGLHPLY V
1439,741	0,0025	0	38,52	0,0068	V	VIEGLHPLY V
1484,697	-0,0035	0	38,76	0,0091	R	ANNFDLMY T
1484,697	-0,0031	0	49,38	0,00079	R	ANNFDLMY T
1484,697	0,0033	0	65,51	2.10E-05	R	ANNFDLMY T
1538,809	-0,0059	0	53,27	0,00047	V	VVIEGLHPL V
1558,774	-0,0053	0	80,39	9.90E-07	R	GHTYEDILA K
1558,774	0,0014	0	76,53	2.40E-06	R	GHTYEDILA K
1595,842	-0,0127	1	36,15	0,012	V	IEGLHPLYD E
1637,878	-0,0037	0	85,27	1.20E-07	K	VVIEGLHF V
1637,878	-0,0018	0	68,26	6.50E-06	K	VVIEGLHF V
1637,878	-0,0006	0	66,69	8.90E-06	K	VVIEGLHF V
1637,878	0,0074	0	63,72	1.60E-05	K	VVIEGLHF V
1893,047	-0,0132	1	38,14	0,0054	K	VVIEGLHF E
2138,984	0,0017	0	35,57	0,0085	E	PAYLFDEG1 K
2161,022	-0,0158	1	39,9	0,0071	R	DMAERGH1 K
2161,022	-0,0125	1	56,83	0,00015	R	DMAERGH1 K
2289,164	-0,0094	1	91,96	3.90E-08	K	PIYNHETGL V
2289,164	-0,0044	1	51,09	0,00049	K	PIYNHETGL V
1365,627	-0,0113	0	44,38	0,001	L	ANGHSIGT1 R
1478,711	-0,0161	0	39,94	0,0078	L	LANGHSIG1 R
1478,711	-0,0147	0	48,67	0,0011	L	LANGHSIG1 R
1648,817	-0,008	0	76,44	2.50E-06	R	GLLANGHS R
1702,773	-0,0203	0	50,38	0,00028	R	ALEGCLAD1 L
1702,773	-0,0079	0	50,33	0,00039	R	ALEGCLAD1 L
1702,773	-0,0031	0	77,73	8.00E-07	R	ALEGCLAD1 L
1784,881	-0,0116	0	101,77	6.90E-09	R	SLLAQGYG1 R
1908,94	-0,0154	0	69,98	9.90E-06	R	SAVAHQTG A
1908,94	-0,0115	0	69,98	1.00E-05	R	SAVAHQTG A
1908,94	-0,0026	0	47,02	0,0021	R	SAVAHQTG A
1940,982	-0,007	1	41,33	0,0044	R	SLLAQGYG1 F
2019,134	-0,0031	1	40,8	0,0018	R	RVLEQ11QR S
2086,974	-0,0092	0	97,05	6.20E-09	K	SWQSCAP1 A
2170,123	-0,0116	0	116,46	1.40E-10	K	SAPVSSAG1 G
2170,123	-0,0104	0	53,98	0,00024	K	SAPVSSAG1 G

2170,123	-0,01	0	127,7	1.00E-11	K	SAPVSSAG(G
2170,123	-0,0088	0	90,54	5.40E-08	K	SAPVSSAG(G
2170,123	-0,008	0	78,07	9.50E-07	K	SAPVSSAG(G
2170,123	-0,007	0	93,58	2.70E-08	K	SAPVSSAG(G
2897,23	-0,0221	0	37,41	0,00064	R	SPSSSSAST L
2897,23	0,0011	0	53,5	2.20E-05	R	SPSSSSAST L
1330,673	-0,0082	1	43,34	0,0051	F	ATAKEELEÇ E
1330,673	-0,0075	1	46,04	0,0028	F	ATAKEELEÇ E
1662,821	-0,0138	1	68,48	1.40E-05	K	ANFATAKEE E
1662,821	-0,0097	1	105,94	2.70E-09	K	ANFATAKEE E
1662,821	-0,0085	1	84,1	4.20E-07	K	ANFATAKEE E
1662,821	-0,0081	1	41,68	0,0074	K	ANFATAKEE E
1742,779	-0,0033	1	65,66	9.30E-06	E	FDYSSEIYK I
1742,779	-0,0015	1	50,05	0,00034	E	FDYSSEIYK I
1972,869	-0,0095	1	91,45	9.20E-09	R	TEFDYSSEI' I
1972,869	-0,0082	1	118,98	1.60E-11	R	TEFDYSSEI' I
1972,869	-0,0022	1	71,9	1.70E-06	R	TEFDYSSEI' I
1972,869	-0,0016	1	36,92	0,0053	R	TEFDYSSEI' I
2522,233	-0,0109	1	55,66	0,00014	K	ITEGVVKDE A
2642,37	-0,0045	2	102,61	2.90E-09	K	ANFATAKEE M
2642,37	0,002	2	128,63	7.30E-12	K	ANFATAKEE M
2642,37	0,004	2	48,51	0,00072	K	ANFATAKEE M
2642,37	0,0073	2	124,9	1.60E-11	K	ANFATAKEE M
2642,37	0,0086	2	90,44	4.60E-08	K	ANFATAKEE M
1077,545	-0,0075	0	52,75	0,00028	L	QEIQEIR A
1190,63	-0,0069	0	55,81	0,00028	K	LQEIYQEIR A
1190,63	-0,0062	0	52,98	0,00056	K	LQEIYQEIR A
1190,63	-0,0052	0	55,55	0,00032	K	LQEIYQEIR A
1190,63	-0,0011	0	56,98	0,00022	K	LQEIYQEIR A
1233,672	-0,0075	0	59,29	5.30E-05	Q	PSGIHTTSP L
1376,782	-0,006	0	55,27	0,00014	R	FQSLPVWFL G
1399,698	-0,0119	0	46,54	0,001	K	PFDPDELE/ N
1659,85	0,0001	0	74,17	2.40E-06	R	EQSVLDLV' E
1788,937	-0,0043	0	56,81	0,00023	K	EQIQPSG L
1963,053	-0,0113	1	38,48	0,012	Q	PSGIHTTSP E
2148,133	-0,0092	1	77,43	9.20E-07	I	GQPSGIHTI E
2229,15	-0,0131	2	53,35	0,00028	K	TGTSNRTEL -
2261,217	-0,0064	1	54,02	0,00016	Q	IGQPSGIHT E
2437,172	-0,011	1	129,52	9.50E-12	R	QQASSDAG A
2437,172	-0,0099	1	138,08	1.40E-12	R	QQASSDAG A
2437,172	-0,0097	1	143,77	3.70E-13	R	QQASSDAG A
2518,318	-0,0133	1	51,73	0,00071	K	EQIQPSG E
2518,318	-0,0073	1	56,71	0,00022	K	EQIQPSG E
2518,318	-0,0073	1	41,54	0,0074	K	EQIQPSG E
2518,318	-0,0038	1	89,64	1.10E-07	K	EQIQPSG E
1027,556	-0,009	0	35,27	0,013	V	AHIYLQQR E
1172,576	-0,0103	0	50,6	0,0008	A	GTMNPHTF A
1172,576	-0,0069	0	47,72	0,0016	A	GTMNPHTF A

1178,568	-0,0065	0	61,82	6.00E-05	L	GIQPEDHD F	
1178,568	-0,0056	0	41	0,0074	L	GIQPEDHD F	
1178,568	-0,0042	0	64,6	3.10E-05	L	GIQPEDHD F	
1188,571	-0,0015	0	50,99	0,00069	A	GTMNPHTF A	Oxidation (I
1188,571	-0,0014	0	46,24	0,0021	A	GTMNPHTF A	Oxidation (I
1291,652	-0,0062	0	45,83	0,0014	A	LGIQPEDHI F	
1291,652	-0,004	0	46,53	0,0013	A	LGIQPEDHI F	
1300,635	-0,0061	0	59,1	0,00011	K	GAGTMNPf A	
1300,635	-0,0049	0	79,55	1.00E-06	K	GAGTMNPf A	
1300,635	0,003	0	56,78	0,00022	K	GAGTMNPf A	
1316,63	-0,0123	0	39,3	0,0083	K	GAGTMNPf A	Oxidation (I
1316,63	-0,0116	0	58,17	0,00011	K	GAGTMNPf A	Oxidation (I
1316,63	-0,0082	0	59,92	8.00E-05	K	GAGTMNPf A	Oxidation (I
1316,63	-0,0076	0	39,93	0,008	K	GAGTMNPf A	Oxidation (I
1362,689	-0,0103	0	42,2	0,0069	R	ALGIQPEDf F	
1362,689	-0,0085	0	56,39	0,00027	R	ALGIQPEDf F	
1362,689	-0,0029	0	45,7	0,0032	R	ALGIQPEDf F	
1362,689	0	0	51,32	0,00086	R	ALGIQPEDf F	
1447,731	-0,0046	0	44,05	0,0023	A	LYEQEAGQ G	
1829,877	-0,0043	0	92,44	2.50E-08	R	AIGPEPWS\ R	
1829,877	-0,0022	0	101,29	3.30E-09	R	AIGPEPWS\ R	
1829,877	-0,0018	0	121,93	2.90E-11	R	AIGPEPWS\ R	
1829,877	0,0006	0	85,61	1.30E-07	R	AIGPEPWS\ R	
2328,107	-0,0087	1	34,62	0,012	I	GPEPWSVA Y	
2512,228	-0,0115	1	49,23	0,0012	R	AIGPEPWS\ Y	
2512,228	-0,0091	1	47,69	0,0017	R	AIGPEPWS\ Y	
1061,562	-0,0091	1	36,56	0,013	R	RFIQEVDR A	
1061,562	-0,0085	1	44,68	0,002	R	RFIQEVDR A	
1193,677	-0,0147	1	40,38	0,0024	S	PGNKQDPI' N	
1193,677	-0,0105	1	40,37	0,0023	S	PGNKQDPI' N	
1193,677	-0,0068	1	44,45	0,00073	S	PGNKQDPI' N	
1193,677	-0,0024	1	36,11	0,005	S	PGNKQDPI' N	
1381,757	-0,0068	1	39,07	0,0052	R	TSPGNKQD N	
1381,757	-0,0064	1	39	0,0053	R	TSPGNKQD N	
1381,757	-0,0057	1	47,54	0,00075	R	TSPGNKQD N	
1381,757	-0,0055	1	46,93	0,00086	R	TSPGNKQD N	
1412,85	-0,0095	0	52,19	0,00011	T	PVPALSILLf T	
1417,808	-0,0038	0	57,58	3.50E-05	R	QLQYWVLL G	
1513,898	0,0007	0	91,78	8.30E-09	L	TPVPALSILL T	
1701,853	-0,0108	0	47,88	0,00086	K	QNQALTSLI F	
1701,853	-0,0083	0	63,57	2.40E-05	K	QNQALTSLI F	
1701,853	-0,0051	0	72,09	3.50E-06	K	QNQALTSLI F	
1701,853	-0,0041	0	100,92	4.60E-09	K	QNQALTSLI F	
1990,039	-0,0034	2	42,49	0,0061	K	FVSTVGEAV L	
2060,09	-0,0186	2	58,81	7.40E-05	K	TRLGEEYSC N	
2060,09	-0,017	2	49,08	0,00069	K	TRLGEEYSC N	
2060,09	-0,0168	2	55,28	0,00017	K	TRLGEEYSC N	
2060,09	-0,0165	2	59,74	5.80E-05	K	TRLGEEYSC N	



2060,09	-0,0127	2	68,65	7.40E-06	K	TRLGEEYSCLN	
2083,215	-0,0188	0	71,06	3.00E-06	K	QLQSLTPVFT	
2083,215	-0,015	0	76,34	7.40E-07	K	QLQSLTPVFT	
2083,215	-0,0122	0	100,25	2.90E-09	K	QLQSLTPVFT	
2083,215	0,0054	0	58,99	1.40E-05	K	QLQSLTPVFT	
2706,377	-0,0056	0	61,58	4.00E-05	R	LVSFFQEVSA	
2706,377	-0,0019	0	95,06	1.80E-08	R	LVSFFQEVSA	
1376,691	-0,0066	1	39,66	0,012	I	PLNDNGRFA	
1376,691	-0,0019	1	39,97	0,012	I	PLNDNGRFA	
1479,823	-0,0062	0	57,54	5.30E-05	V	PINLGISSPIE	
1479,823	-0,0049	0	63,74	1.30E-05	V	PINLGISSPIE	
1479,823	-0,0034	0	78,36	4.60E-07	V	PINLGISSPIE	
1484,766	-0,007	0	50,99	0,0009	K	DVPINLGISP	Oxidation (I
1693,919	-0,0063	0	49,16	0,00049	K	DVPINLGISE	
1693,919	-0,0048	0	71,18	3.10E-06	K	DVPINLGISE	
1693,919	-0,0046	0	63,12	2.00E-05	K	DVPINLGISE	
1693,919	-0,0037	0	86,39	9.00E-08	K	DVPINLGISE	
1693,919	-0,0018	0	66,53	8.60E-06	K	DVPINLGISE	
1709,913	-0,0017	0	49,39	0,00056	K	DVPINLGISE	Oxidation (I
1879,852	-0,013	1	88,89	2.60E-08	-	MTKDDVAHL	
1879,852	-0,0115	1	63,58	8.90E-06	-	MTKDDVAHL	
1879,852	-0,0031	1	76,5	5.00E-07	-	MTKDDVAHL	
2068,187	-0,0048	0	75	5.30E-07	K	VILAYLLGLIQ	
2177,075	-0,0111	0	54,82	0,00019	K	FYSQGDGSV	
2177,075	-0,0093	0	57,24	0,00019	K	FYSQGDGSV	
2177,075	-0,0085	0	82	6.50E-07	K	FYSQGDGSV	
2353,283	-0,0078	1	51,04	0,00069	K	AAEFLKDVFE	
2651,382	-0,0034	0	134,31	2.00E-12	R	FWQDVLTD C	
1065,727	-0,0116	1	28,97	0,0018	K	RLTILLPK D	
1128,614	-0,007	1	55,52	0,00028	K	EAILEVKGD V	
1267,7	-0,0087	1	35,38	0,0099	R	VQRPVTE/ V	
1536,778	-0,0089	0	97,62	1.90E-08	K	LASVEQTYC M	
1536,778	-0,0047	0	56,65	0,00024	K	LASVEQTYC M	
1552,781	-0,0045	0	54,55	0,00038	K	VSLLESLEA E	
1568,776	-0,0032	0	72,37	5.90E-06	K	VSLLESLEA E	Oxidation (I
1607,913	-0,0111	1	49,07	0,00037	R	LTILLPKDF N	
1607,913	-0,0039	1	46,62	0,00057	R	LTILLPKDF N	
1673,801	0,0003	0	44,4	0,0016	R	AGTGGDEA M	
1673,801	0,0012	0	96,06	1.10E-08	R	AGTGGDEA M	
1673,801	0,0055	0	61,64	3.20E-05	R	AGTGGDEA M	
1681,915	0,0054	0	60,96	3.10E-05	K	VETAVDLFI	
1686,763	0,0012	0	50,17	0,00043	R	SSLEETVDT R	
1764,015	-0,0158	2	40,83	0,0017	K	RLTILLPKC N	
1764,015	-0,0131	2	43,63	0,00096	K	RLTILLPKC N	
1797,857	-0,0048	0	62,59	2.20E-05	R	MLADPDIA1V	
1797,857	-0,0037	0	120,04	4.00E-11	R	MLADPDIA1V	
1797,857	-0,0037	0	84,79	1.30E-07	R	MLADPDIA1V	
1797,857	-0,0013	0	77,42	7.10E-07	R	MLADPDIA1V	

1797,857	0,0026	0	55,15	0,00012	R	MLADPDIA1V	Oxidation (I
1813,852	-0,0054	0	42,54	0,0019	R	MLADPDIA1V	
1842,864	-0,0063	1	44,63	0,0022	R	SSLEETVDT S	
2070,002	-0,0056	2	51,17	0,00037	K	ARSSLEETV S	
2096,057	-0,0137	1	36,97	0,011	R	MLADPDIA1A	
2183,01	-0,004	1	58,75	4.00E-05	K	LYDMMLQE S	
1288,682	-0,0105	0	53,61	0,00051	K	GDLVTFIFQ -	
1771,003	-0,005	1	137,99	6.80E-13	R	LALGKGDL1 -	
1872,922	-0,0044	0	84,08	4.20E-07	K	VPPDIDVSC V	
1872,922	-0,0031	0	149,73	1.10E-13	K	VPPDIDVSC V	
1872,922	-0,0017	0	103,53	4.80E-09	K	VPPDIDVSC V	
1872,922	-0,001	0	113,71	4.60E-10	K	VPPDIDVSC V	
1872,922	-0,0005	0	58,57	0,00015	K	VPPDIDVSC V	
1872,922	0,0041	0	128,56	1.50E-11	K	VPPDIDVSC V	
3149,505	-0,0172	0	155,76	9.50E-15	R	LEGNEYFLE H	
3149,505	-0,0057	0	149,56	4.30E-14	R	LEGNEYFLE H	
1133,556	-0,0067	0	63,71	2.10E-05	R	TEVTVDDIS V	
1207,754	-0,0133	0	64,12	2.00E-06	K	LALLLNVID1 I	
1334,654	-0,0114	0	55,16	0,0003	F	PFTAIVGQC L	
1334,654	-0,0032	0	47,66	0,0018	F	PFTAIVGQC L	Oxidation (I
1350,649	-0,008	0	59,46	0,0001	F	PFTAIVGQC L	
1390,706	-0,0031	1	41,23	0,0088	K	IGGVMIMG1 S	
1481,723	-0,0042	0	49,13	0,00053	V	FPFTAIVGQ L	Oxidation (I
1482,841	-0,0035	1	54,06	0,00024	R	IRVDSQEPL K	
1497,717	-0,0115	0	40,66	0,0029	V	FPFTAIVGQ L	
1502,746	-0,0085	1	83,32	4.80E-07	K	DPLESIDSC V	
1502,746	-0,0077	1	81,15	8.00E-07	K	DPLESIDSC V	
1502,746	-0,0061	1	70,32	1.00E-05	K	DPLESIDSC V	
1679,859	0,0016	0	49,33	0,0006	R	VVFPFTAIV( L	
2078,076	-0,0044	0	68,18	9.00E-06	V	LVGSGNPE F	
2093,109	-0,013	2	46,39	0,0013	K	TRRVFPFT L	
2324,212	-0,0084	0	40,02	0,0053	R	FVLVGSGN F	
2324,212	-0,0053	0	52,89	0,00027	R	FVLVGSGN F	
2361,269	-0,0054	1	38,1	0,011	K	IVNAQNLLF V	
2361,269	-0,0018	1	40,63	0,0057	K	IVNAQNLLF V	
2580,45	-0,0024	2	55,46	4.70E-05	K	LALLLNVID1 S	
2923,272	-0,0208	0	131,18	1.10E-12	R	TEFDQNP1 I	
2923,272	-0,0175	0	122,73	8.30E-12	R	TEFDQNP1 I	
2923,272	-0,0096	0	86,13	4.40E-08	R	TEFDQNP1 I	
2923,272	0,001	0	39,14	0,0027	R	TEFDQNP1 I	
1168,534	-0,0062	0	38,88	0,0065	Q	SEMYHAYLI Q	
1296,592	-0,0035	0	57,5	9.20E-05	P	QSEMYHAY Q	
1393,645	-0,0061	0	53,39	0,00015	S	PQSEMYHA Q	
1420,679	-0,0051	0	55,55	0,00024	R	GATTVSEN( D	
1420,679	-0,0026	0	63,76	3.60E-05	R	GATTVSEN( D	
1480,677	-0,009	0	41,76	0,0017	Q	SPQSEMYH Q	
1480,677	-0,0054	0	44,35	0,0019	Q	SPQSEMYH Q	
1480,677	-0,0029	0	50,26	0,00051	Q	SPQSEMYH Q	

1938,926	-0,0007	0	49,7	0,00091	R	VLIHVNSQ\$Y	
2159,022	-0,0078	0	34,37	0,013	L	IHVNSQSP(Q	
2159,022	-0,0038	0	125,37	1.10E-11	L	IHVNSQSP(Q	
2159,022	-0,0024	0	64,38	1.40E-05	L	IHVNSQSP(Q	
2272,106	-0,0033	0	44,81	0,003	V	LIHVNSQSf Q	
2371,174	-0,0333	0	69,3	1.10E-05	R	VLIHVNSQ\$ Q	
2371,174	-0,0092	0	101,63	7.30E-09	R	VLIHVNSQ\$ Q	
2371,174	-0,0085	0	80,04	1.00E-06	R	VLIHVNSQ\$ Q	
2371,174	-0,0025	0	92,69	5.80E-08	R	VLIHVNSQ\$ Q	
2371,174	-0,0002	0	124,49	3.80E-11	R	VLIHVNSQ\$ Q	
2387,169	-0,0088	0	67,38	9.40E-06	R	VLIHVNSQ\$ Q	Oxidation (I
1581,742	-0,0015	0	34,5	0,014	A	EPEWDPD( E	
1652,779	-0,0078	0	46,88	0,0014	V	AEPEWDPC E	
1652,779	-0,0048	0	38,66	0,01	V	AEPEWDPC E	
1803,839	-0,01	1	40,96	0,0045	K	PDNEFSDA R	
1865,891	-0,0107	0	83,83	1.60E-07	K	NVAEPEWC E	
1865,891	-0,0065	0	98,9	5.10E-09	K	NVAEPEWC E	
1865,891	-0,0052	0	103,07	2.10E-09	K	NVAEPEWC E	
1865,891	-0,0002	0	101,89	2.80E-09	K	NVAEPEWC E	
1865,891	0,002	0	99,89	4.80E-09	K	NVAEPEWC E	
1865,891	0,0026	0	86,99	9.10E-08	K	NVAEPEWC E	
1865,891	0,0037	0	72,12	2.80E-06	K	NVAEPEWC E	
2676,19	-0,0016	1	33,31	0,0067	T	DQGE GEEK R	
3063,318	-0,0087	0	35,07	0,0035	R	EAQNTDQC R	
3063,318	0,0001	0	84,81	3.80E-08	R	EAQNTDQC R	
3063,318	0,0043	0	167,99	1.90E-16	R	EAQNTDQC R	
3219,419	-0,011	1	42,3	0,00078	R	EAQNTDQC R	
3281,471	0,0049	1	37,67	0,0027	K	NVAEPEWC P	
3281,471	0,0058	1	35,85	0,0041	K	NVAEPEWC P	
902,4974	-0,009	1	40,85	0,0083	K	TAKLEWR Y	
1184,554	-0,0088	0	54,69	0,0002	K	QCLGNHGI Y	
1250,593	-0,0065	0	48,36	0,0011	K	SDAYAEHFI P	
1301,701	-0,0019	1	47,5	0,00096	K	MTLSRIPL E	
1372,756	-0,0097	0	47,36	0,0016	R	IATTEGNVQ S	
1372,756	-0,0088	0	68,13	1.40E-05	R	IATTEGNVQ S	
1372,756	-0,0057	0	76,29	2.10E-06	R	IATTEGNVQ S	
1372,756	-0,0046	0	107,18	1.70E-09	R	IATTEGNVQ S	
1373,73	-0,0044	0	92,94	3.00E-08	K	LNSISGLAF S	
1428,646	-0,002	0	37,28	0,0082	K	GNAYFLLD( D	
1559,783	-0,0026	0	79,68	6.20E-07	K	EQVGTGIIS' S	
1704,741	-0,0105	0	48,91	0,00023	V	SMDGDPE T	
1872,843	-0,008	1	38,79	0,0045	K	GNAYFLLD( Q	
1872,843	-0,0079	1	45,13	0,0011	K	GNAYFLLD( Q	
1890,842	-0,001	0	99,82	3.40E-09	K	SVSMDGDE T	
1890,842	0,0002	0	100,36	3.10E-09	K	SVSMDGDE T	
1906,837	-0,0038	0	116,51	5.00E-11	K	SVSMDGDE T	Oxidation (I
2181,07	-0,0228	1	46,23	0,0012	K	SHELYISDR W	
2287,073	-0,015	0	56,41	0,00014	R	EGSHLDML G	

2287,073	-0,0057	0	73,17	3.40E-06	R	EGSHLDML G	
2569,197	-0,0114	1	44,54	0,0022	K	SWSDQYDI S	
1113,592	-0,0062	0	47,67	0,00081	S	PVEIELTDAI T	
1246,652	-0,0064	0	57,32	0,00022	K	IQSDLTNSL L	
1246,652	-0,0062	0	50,87	0,00097	K	IQSDLTNSL L	
1246,652	-0,0052	0	62,91	5.90E-05	K	IQSDLTNSL L	
1328,682	-0,0027	0	40,01	0,012	K	AGSPVEIEL T	
1337,694	-0,008	0	56,65	9.30E-05	R	EAIAAHAN[ I	
1337,694	-0,0079	0	42,95	0,0022	R	EAIAAHAN[ I	
1337,694	-0,0071	0	72,59	2.40E-06	R	EAIAAHAN[ I	
1526,868	-0,0046	0	37,06	0,01	V	IIGAGVGG† C	
1526,868	-0,0023	0	77,28	8.50E-07	V	IIGAGVGG† C	
1699,838	-0,0166	0	58,37	6.80E-05	K	VSGPQEV† I	
1699,838	-0,0089	0	118,25	7.50E-11	K	VSGPQEV† I	
1699,838	-0,0087	0	121,58	3.50E-11	K	VSGPQEV† I	
1699,838	-0,0085	0	101,47	3.60E-09	K	VSGPQEV† I	
1699,838	-0,0003	0	95,4	1.50E-08	K	VSGPQEV† I	
2609,324	0,0006	0	39,96	0,01	M	SQDFDYDL C	
2609,324	0,0027	0	104,95	1.90E-09	M	SQDFDYDL C	
2609,324	0,0037	0	118,35	8.40E-11	M	SQDFDYDL C	
1122,607	-0,0124	0	54,98	0,0003	R	PQFLYQLS† Q	
1337,632	-0,0082	0	42,67	0,0019	E	NDGLIEHQ Q	
1337,632	-0,0015	0	41,79	0,0025	E	NDGLIEHQ Q	
1466,675	-0,0079	0	38,42	0,0073	L	ENDGLIEH( Q	
1466,675	-0,0068	0	69,06	6.30E-06	L	ENDGLIEH( Q	
1466,675	-0,0059	0	41,74	0,0035	L	ENDGLIEH( Q	
1466,675	-0,0035	0	56,11	0,00013	L	ENDGLIEH( Q	
1630,817	-0,0012	1	50,77	0,001	I	AMAEELGIS H	
1694,786	-0,0056	0	53,63	0,00025	K	DLENDGLIE Q	
1694,786	-0,0055	0	74,8	1.90E-06	K	DLENDGLIE Q	
1694,786	-0,0053	0	82,37	3.40E-07	K	DLENDGLIE Q	
1743,901	-0,0043	1	51,08	0,00048	A	IAMAEELGI: H	
1814,938	-0,002	1	92,14	6.80E-08	S	AIAMAEELG H	
2057,973	-0,0112	0	37,72	0,0061	R	QEGYMAEII F	
2136,077	-0,012	1	38,38	0,0086	M	TLSSSHSTK E	Acetyl (N-ter)
2157,99	-0,0133	0	37,02	0,0095	R	THWLNDGI† T	
2161,014	-0,0031	0	47,36	0,0013	K	EGQGSALAI K	Oxidation (I)
2214,074	-0,0103	1	88,81	6.30E-08	R	RQEGYMAE F	
2214,074	-0,005	1	64,01	1.90E-05	R	RQEGYMAE F	
2214,074	-0,0028	1	41,54	0,0035	R	RQEGYMAE F	
2214,074	-0,0006	1	94,6	1.80E-08	R	RQEGYMAE F	
2273,114	-0,0102	1	61,7	3.60E-05	K	EGQGSALAI H	
2273,114	-0,0034	1	70,61	4.80E-06	K	EGQGSALAI H	
2289,109	-0,0058	1	88,41	7.00E-08	K	EGQGSALAI H	Oxidation (I)
2289,109	0,0032	1	36,71	0,011	K	EGQGSALAI H	Oxidation (I)
1157,55	-0,0086	0	38,93	0,0039	V	ESHVSNML T	
1157,55	-0,0073	0	63,55	1.30E-05	V	ESHVSNML T	
1157,55	-0,0066	0	38,45	0,0043	V	ESHVSNML T	

1280,757	-0,0073	0	45,09	0,00089	K	VIQLVAQGI E	
1280,757	-0,005	0	68,95	3.70E-06	K	VIQLVAQGI E	
1280,757	-0,0035	0	47,84	0,00046	K	VIQLVAQGI E	
1357,666	-0,0073	0	74,82	1.40E-06	R	TVESHVSNIT	
1357,666	-0,0067	0	67,33	8.00E-06	R	TVESHVSNIT	
1357,666	-0,0059	0	47,3	0,00082	R	TVESHVSNIT	
1373,661	-0,0081	0	51,99	0,00028	R	TVESHVSNIT	Oxidation (I
1373,661	-0,0063	0	43,13	0,0021	R	TVESHVSNIT	Oxidation (I
1373,661	-0,0052	0	43,68	0,0019	R	TVESHVSNIT	Oxidation (I
1669,828	-0,0131	0	66,11	1.10E-05	R	LLQHNNHF V	
1669,828	-0,01	0	51,01	0,00038	R	LLQHNNHF V	
1669,828	-0,0082	0	61,09	3.60E-05	R	LLQHNNHF V	
1669,828	-0,0069	0	60,27	4.60E-05	R	LLQHNNHF V	
1872,904	-0,0031	0	102,38	5.40E-09	K	PFEPEELAA Q	
1933,881	0,0064	0	107,84	4.50E-10	K	DYLEYQGY E	
2087,185	-0,0118	1	35,47	0,0059	K	VIQLVAQGI V	
2087,185	-0,0072	1	55,8	5.00E-05	K	VIQLVAQGI V	
2087,185	-0,0069	1	52,33	0,00011	K	VIQLVAQGI V	
2087,185	-0,0059	1	52,03	0,00012	K	VIQLVAQGI V	
2087,185	-0,0043	1	32,19	0,011	K	VIQLVAQGI V	
2087,185	-0,0026	1	44,03	0,00071	K	VIQLVAQGI V	
1109,656	-0,0044	0	37,97	0,0023	R	VAIRPLDQ F	
1146,593	-0,0086	0	50,03	0,0011	W	GSVAGAFH W	
1156,584	-0,0114	0	76,08	2.40E-06	M	SHSTDLSAI W	
1156,584	-0,0068	0	41,54	0,0071	M	SHSTDLSAI W	
1156,584	-0,0066	0	39,82	0,011	M	SHSTDLSAI W	
1156,584	-0,0062	0	44,23	0,0037	M	SHSTDLSAI W	
1272,599	-0,0145	0	48,64	0,0008	V	EDHIEIEN F V	
1272,599	-0,0082	0	64,77	2.10E-05	V	EDHIEIEN F V	
1332,673	-0,0022	0	61,08	8.90E-05	V	WGSVAGAF W	
1371,667	-0,0083	0	70,31	3.70E-06	V	VEDHIEIEN V	
1371,667	-0,002	0	52,32	0,00024	V	VEDHIEIEN V	
1431,741	-0,0027	0	56,57	0,00012	R	VWGSVAG F W	
1431,741	-0,0019	0	35,86	0,014	R	VWGSVAG F W	
1431,741	0,0011	0	85,1	1.70E-07	R	VWGSVAG F W	
1431,741	0,003	0	71,4	3.90E-06	R	VWGSVAG F W	
1431,741	0,0031	0	82,76	2.90E-07	R	VWGSVAG F W	
1470,735	-0,0061	0	71,73	7.50E-06	K	VVEDHIEIEI V	
1470,735	-0,0046	0	83,73	4.60E-07	K	VVEDHIEIEI V	
2158,071	-0,008	1	72,82	5.10E-06	D	PETNERVW W	
2202,13	-0,0063	0	68,2	9.90E-06	R	LLFLEQAYC L	
2273,098	0,0009	1	114,29	1.90E-10	Y	DPETNERV W	
2493,183	-0,0106	1	86,3	8.40E-08	R	GYDPETNE W	
1683,81	-0,0065	0	88,45	5.90E-08	K	VFVESFTAC D	
1683,81	-0,0039	0	56,55	9.40E-05	K	VFVESFTAC D	
1683,81	-0,0009	0	69,43	4.90E-06	K	VFVESFTAC D	
1728,905	-0,0045	0	78,94	1.40E-06	R	TAPPDYQ F K	
1728,905	-0,0037	0	74,95	3.60E-06	R	TAPPDYQ F K	

1728,905	-0,001	0	59,25	0,00013	R	TAPPDYQ/ K	
1728,905	0,0002	0	115,8	3.00E-10	R	TAPPDYQ/ K	
2008,934	-0,0169	0	37,01	0,0096	E	PEPTPGDG L	
2137,018	-0,0012	0	74,76	2.80E-06	R	NNIMMISP( K	
2137,018	0,0082	0	90,61	7.90E-08	R	NNIMMISP( K	
2137,976	-0,0085	0	37,36	0,0044	A	EPEPTPGD( L	
2153,013	-0,006	0	81,51	4.50E-07	R	NNIMMISP( K	Oxidation (I
2153,013	-0,0042	0	45,14	0,002	R	NNIMMISP( K	Oxidation (I
2153,013	-0,0018	0	57,97	0,00011	R	NNIMMISP( K	Oxidation (I
2153,013	0,0006	0	72,15	4.10E-06	R	NNIMMISP( K	Oxidation (I
2153,013	0,0007	0	62,56	3.70E-05	R	NNIMMISP( K	Oxidation (I
2372,165	-0,0088	1	57,75	9.30E-05	K	KQGFTDAA V	
2488,169	-0,0197	1	91,21	4.50E-08	K	IRDVSNGP( E	
1085,508	-0,0061	0	52,03	0,00014	H	PMFGIDHN C	
1278,595	-0,0001	0	56,82	0,00015	R	LCMVEVEG L	
1483,825	-0,0013	0	94,17	1.70E-08	K	AIAIEEGASI E	
1483,825	-0,0007	0	54,15	0,00017	K	AIAIEEGASI E	
1483,825	-0,0004	0	68,27	6.80E-06	K	AIAIEEGASI E	
1483,825	0,0014	0	76,29	1.10E-06	K	AIAIEEGASI E	
1483,825	0,002	0	82,94	2.30E-07	K	AIAIEEGASI E	
1483,825	0,0023	0	80,72	3.80E-07	K	AIAIEEGASI E	
1765,821	-0,0101	0	58,72	3.90E-05	R	EVDLSHPM C	
1818,8	0,0002	0	48,43	0,0004	V	CDEIEGAH' G	
1917,868	-0,0211	0	48,29	0,00058	R	VCDEIEGA' G	
1917,868	-0,01	0	79,84	4.60E-07	R	VCDEIEGA' G	
1993,971	-0,006	0	47,28	0,00091	V	PIPTLCHLE L	
1993,971	-0,0008	0	65,24	1.50E-05	V	PIPTLCHLE L	
2148,993	-0,0114	0	61,48	3.10E-05	K	IVSGLNQPV C	
2148,993	-0,0076	0	135,08	1.40E-12	K	IVSGLNQPV C	
2345,107	-0,0093	0	45,91	0,00095	K	LMPACVTA' L	
2345,107	-0,0045	0	49,65	0,00072	K	LMPACVTA' L	
1203,6	-0,0056	1	36,64	0,011	I	ERLDNFSAL L	
1347,694	-0,0109	0	39,88	0,0057	M	PPFGNSNV L	
1413,787	-0,0068	0	38,14	0,007	R	IPPGATDVL Q	
1413,787	-0,0054	0	48,42	0,00068	R	IPPGATDVL Q	
1413,787	-0,0045	0	48,04	0,00074	R	IPPGATDVL Q	
1535,756	-0,0129	0	39,4	0,0056	R	GMPFPGNS L	
1535,756	-0,0062	0	55,6	0,00013	R	GMPFPGNS L	
1535,756	-0,0045	0	83,89	2.00E-07	R	GMPFPGNS L	
1551,743	-0,0076	0	90,03	4.10E-08	R	FQNTANQE Y	
1551,743	-0,0063	0	60,34	3.70E-05	R	FQNTANQE Y	
1836,839	-0,0079	0	59	5.70E-05	K	ESNGLETW I	
1932,831	-0,0074	0	98,06	2.30E-09	R	LVEYFDNNI Q	
1932,831	-0,0035	0	85,67	4.30E-08	R	LVEYFDNNI Q	
1932,831	-0,0032	0	83,6	6.90E-08	R	LVEYFDNNI Q	
1932,831	-0,003	0	80,23	1.50E-07	R	LVEYFDNNI Q	
2309,119	-0,0165	1	116,15	1.00E-10	K	FPEDLRFQI Y	
2309,119	-0,0124	1	92,22	2.60E-08	K	FPEDLRFQI Y	

2309,119	-0,011	1	66,31	1.00E-05	K	FPEDLRFQI Y
1114,551	-0,0104	0	57,22	0,00016	L	PEIVAQDSE N
1114,551	-0,01	0	50,92	0,0007	L	PEIVAQDSE N
1114,551	-0,0085	0	60,62	7.70E-05	L	PEIVAQDSE N
1167,588	-0,0045	1	36,08	0,0091	V	SASISYRQE H
1309,692	-0,004	0	53,75	0,00017	R	AFLVEAGYI F
1309,692	-0,0037	0	42,83	0,0021	R	AFLVEAGYI F
1312,626	-0,009	1	37,06	0,013	F	DPNSDEPK V
1342,662	-0,0055	0	53,73	0,00042	K	DLPEIVAQC N
1342,662	-0,0052	0	54,46	0,00035	K	DLPEIVAQC N
1409,715	-0,0106	1	68,4	6.80E-06	K	VEKGDVSA Q
1409,715	-0,0074	1	45,99	0,0011	K	VEKGDVSA Q
1438,705	-0,0032	1	72,58	5.20E-06	K	GDVSASISY H
1438,705	-0,0022	1	43,62	0,0042	K	GDVSASISY H
1595,733	-0,0167	0	58,57	3.50E-05	K	VFTSNQNG D
1595,733	-0,0095	0	79,32	3.40E-07	K	VFTSNQNG D
1595,733	-0,0092	0	82,8	1.50E-07	K	VFTSNQNG D
1595,733	-0,0059	0	50,31	0,0003	K	VFTSNQNG D
1664,784	-0,0013	0	86,81	1.60E-07	K	HDGYESW F
1664,784	0,0013	0	55,99	0,0002	K	HDGYESW F
1664,784	0,0019	0	72,58	4.40E-06	K	HDGYESW F
1702,86	0,0021	0	69,11	1.40E-05	K	ALIGELDEG Y
1702,86	0,006	0	42,8	0,0062	K	ALIGELDEG Y
1702,86	0,0102	0	63,34	5.50E-05	K	ALIGELDEG Y
1794,911	-0,0091	2	41,95	0,0059	K	VEKGDVSA H
2260,053	-0,0165	1	50,89	0,00046	R	ENASMEK N
1592,787	-0,0013	1	63,26	5.40E-05	Y	NGQSFMD A
1755,85	-0,0119	1	41,99	0,0044	K	YNGQSFMD A
1755,85	-0,0058	1	53,22	0,0002	K	YNGQSFMD A
1936,876	-0,0051	0	63,41	1.80E-05	A	AATSTNTST W
2007,913	-0,0161	0	76,35	4.40E-07	K	AAATSTNTS W
2007,913	-0,0119	0	40,93	0,0037	K	AAATSTNTS W
2007,913	-0,0082	0	128,86	2.90E-12	K	AAATSTNTS W
2007,913	-0,0072	0	62,54	1.30E-05	K	AAATSTNTS W
2007,913	-0,0036	0	56,12	6.00E-05	K	AAATSTNTS W
2007,913	0,0046	0	52,01	0,00018	K	AAATSTNTS W
2136,008	-0,0097	1	73,11	1.80E-06	K	KAAATSTNT W
2136,008	-0,0091	1	37,69	0,0064	K	KAAATSTNT W
3061,474	-0,0035	1	86,17	2.10E-07	K	AAATSTNTS E
3061,474	-0,0018	1	127,88	1.40E-11	K	AAATSTNTS E
3061,474	0,0056	1	128,69	1.20E-11	K	AAATSTNTS E
1153,599	-0,0033	0	48,74	0,0005	L	AQQGITFH L
1183,635	-0,011	1	51,27	0,00029	A	PLLDKWEQ H
1254,672	-0,0103	1	58,98	0,00012	L	APLLDKWE H
1254,672	-0,0085	1	58,97	0,00013	L	APLLDKWE H
1266,683	0,0015	0	62,95	3.90E-05	K	LAQQGITFH L
1266,683	0,0017	0	76,23	1.80E-06	K	LAQQGITFH L
1300,699	-0,0044	0	56,44	0,00022	K	VVLTAIADG E

1438,793	-0,0037	1	56,07	0,00016	D	ALAPLLDKV	H	
1553,82	-0,0041	1	49,3	0,00057	L	DALAPLLD	H	
1553,82	0,0025	1	60,32	4.40E-05	L	DALAPLLD	H	
1666,904	-0,0024	1	101,87	5.00E-09	R	LDALAPLLC	H	
1780,921	-0,0057	0	68,76	1.40E-05	K	LAVQTPGE	V	
1780,921	0,001	0	95,03	3.30E-08	K	LAVQTPGE	V	
1780,921	0,0032	0	72,26	6.10E-06	K	LAVQTPGE	V	
1780,921	0,0036	0	95,29	3.00E-08	K	LAVQTPGE	V	
2325,124	-0,0148	0	61,2	3.10E-05	R	HGYDGQG	A	
2481,225	-0,0114	1	64,39	2.00E-05	R	RHGYDGQ	A	
2481,225	0,0058	1	70,5	5.10E-06	R	RHGYDGQ	A	
2688,373	-0,0097	1	38,75	0,0077	K	APPGSWM	N	
1064,525	-0,007	1	39,49	0,011	V	DGYQGELK	S	
1064,525	-0,0068	1	38,35	0,013	V	DGYQGELK	S	
1163,594	-0,007	1	52,14	0,00031	L	VDGYQGEL	S	
1233,672	-0,0061	1	37,29	0,0082	R	SFLDRIENL	A	
1276,678	-0,0121	1	58,16	0,00017	K	LVDGYQGE	S	
1276,678	-0,0099	1	62,88	5.80E-05	K	LVDGYQGE	S	
1276,678	-0,0072	1	47,07	0,0022	K	LVDGYQGE	S	
1560,627	-0,0112	0	34,99	0,0014	E	NGDYSHD	S	
1592,703	-0,0009	0	61,43	2.30E-05	K	AVYAEMSD	G	Oxidation (I
1850,088	-0,0036	1	81,46	9.20E-08	K	IIDRLSVIE	T	
1850,088	-0,0015	1	72,43	7.30E-07	K	IIDRLSVIE	T	
2107,237	-0,0111	2	41,67	0,0018	K	IIDRLSVIE	E	
2292,012	-0,0107	1	59,64	1.20E-05	K	EVFKVENGI	S	
2292,012	-0,0082	1	86,8	2.40E-08	K	EVFKVENGI	S	
2373,068	-0,0114	1	52,08	0,00017	K	AVYAEMSD	-	
2373,068	-0,0096	1	69,77	3.00E-06	K	AVYAEMSD	-	
2373,068	-0,0094	1	80,26	2.70E-07	K	AVYAEMSD	-	
2373,068	-0,0063	1	60,42	2.80E-05	K	AVYAEMSD	-	
2373,068	-0,006	1	61,49	2.20E-05	K	AVYAEMSD	-	
2373,068	-0,0037	1	108,92	4.20E-10	K	AVYAEMSD	-	
2389,063	-0,0066	1	43,76	0,001	K	AVYAEMSD	-	Oxidation (I
1188,624	-0,0051	0	76,45	2.50E-06	R	IDESALATIE	Q	
1217,717	-0,0059	1	43,25	0,00067	R	VFVLADWL	Y	
1235,623	-0,0103	0	47,15	0,00097	A	AMLVPHEF	V	
1235,623	-0,0085	0	47,38	0,00098	A	AMLVPHEF	V	
1235,623	-0,0048	0	46,95	0,001	A	AMLVPHEF	V	
1250,641	-0,0063	0	59,69	0,00012	K	QVQFDIQF	E	
1250,641	-0,005	0	50,1	0,0011	K	QVQFDIQF	E	
1322,655	-0,0115	0	42,6	0,0052	Y	AAMLVPHE	V	Oxidation (I
1322,655	0,0029	0	39,11	0,013	Y	AAMLVPHE	V	Oxidation (I
1323,715	-0,0094	1	55,93	9.30E-05	D	PRELSEIPE	L	
1323,715	-0,0088	1	48,06	0,00052	D	PRELSEIPE	L	
1323,715	-0,0039	1	45,7	0,001	D	PRELSEIPE	L	
1323,715	-0,0023	1	65,65	1.00E-05	D	PRELSEIPE	L	
1458,768	-0,0041	1	46,71	0,0024	L	NRIDESALA	Q	
1469,724	-0,0017	0	78,55	6.30E-07	R	YAAMLVPH	V	



1469,724	-0,0014	0	57,53	8.00E-05	R	YAAMLVPH V	Oxidation (I
1485,719	-0,0042	0	43,47	0,0019	R	YAAMLVPH V	
1753,848	-0,002	1	41,24	0,0034	R	EEGDPREL' L	
1886,011	-0,0039	1	43,94	0,002	I	SLNLNRIDE Q	
2008,015	-0,0078	0	54,44	0,0002	K	SLAQLLGYI -	
2008,015	-0,0061	0	55,04	0,00018	K	SLAQLLGYI -	
2008,015	-0,0056	0	78,9	7.40E-07	K	SLAQLLGYI -	
2008,015	-0,0042	0	71,01	4.60E-06	K	SLAQLLGYI -	
2034,024	-0,0048	0	62,36	3.70E-05	R	VDGIQFNPI V	
2070,132	-0,0179	1	41,86	0,0031	R	AISLNLNRII Q	
2070,132	-0,007	1	48,68	0,00056	R	AISLNLNRII Q	Oxidation (I
2070,132	-0,0054	1	65,6	1.10E-05	R	AISLNLNRII Q	
2070,132	0,0006	1	41,94	0,0024	R	AISLNLNRII Q	
1303,619	-0,0073	0	55,47	0,00012	K	NTADQVAV E	
1303,619	-0,0057	0	72,15	2.50E-06	K	NTADQVAV E	
1303,619	-0,0048	0	53,71	0,00018	K	NTADQVAV E	
1319,614	-0,0078	0	37,11	0,0067	K	NTADQVAV E	
1319,614	-0,0072	0	62,5	1.90E-05	K	NTADQVAV E	
1440,776	-0,0059	0	48,28	0,0014	I	EELVVVMI H	
1463,758	-0,0148	0	41,77	0,0037	R	TQSLVISSQ F	Oxidation (I
1463,758	-0,0095	0	38,61	0,0077	R	TQSLVISSQ F	
1463,758	-0,0094	0	65,8	1.50E-05	R	TQSLVISSQ F	
1463,758	-0,0072	0	65,1	1.70E-05	R	TQSLVISSQ F	
1463,758	-0,005	0	37,27	0,01	R	TQSLVISSQ F	
1588,763	-0,0129	1	60,56	7.00E-05	K	NTADQVAV M	
1588,763	-0,0086	1	106,69	1.90E-09	K	NTADQVAV M	
1640,892	-0,0007	0	71,07	6.50E-06	R	SIEELVVVI H	
2287,198	-0,0141	0	90,78	8.40E-08	-	MDSTLGLEI W	
2287,198	-0,0021	0	145,09	2.90E-13	-	MDSTLGLEI W	Oxidation (I
2303,193	-0,0089	0	96,46	2.30E-08	-	MDSTLGLEI W	
1193,702	-0,0054	0	56,13	3.30E-05	S	PDLLAKPAI I	
1267,677	-0,0036	0	47,47	0,00075	K	GADDPIVV/ V	
1280,734	-0,0103	0	63,29	2.00E-05	K	SPDLLAKPAI I	
1280,734	-0,008	0	67,84	6.80E-06	K	SPDLLAKPAI I	
1280,734	-0,0044	0	62,52	2.10E-05	K	SPDLLAKPAI I	
1738,91	-0,0138	1	73,07	5.30E-06	A	EDVKGADC V	
2098,979	-0,0151	0	63,94	1.10E-05	A	LDYHFQTP' S	
2098,979	-0,0087	0	49,41	0,00034	A	LDYHFQTP' S	
2170,016	-0,0139	0	71,55	4.50E-06	A	ALDYHFQTIS	
2170,016	-0,0049	0	78,83	9.00E-07	A	ALDYHFQTIS	
2241,053	-0,0118	0	59,18	4.00E-05	R	AALDYHFQ' S	
2241,053	-0,0108	0	48,66	0,00045	R	AALDYHFQ' S	
2241,053	-0,0084	0	61,49	2.40E-05	R	AALDYHFQ' S	
2241,053	-0,0076	0	108,03	5.40E-10	R	AALDYHFQ' S	
2241,053	-0,0071	0	91,41	2.40E-08	R	AALDYHFQ' S	
2241,053	-0,0051	0	68,62	4.90E-06	R	AALDYHFQ' S	
2241,053	0,01	0	42,07	0,0025	R	AALDYHFQ' S	
920,5192	-0,0021	0	38,7	0,006	L	GPTVAHIAF E	

1063,541	-0,0067	0	45,91	0,0013	L	LDGAHNPA A	Oxidation (I
1063,541	-0,0066	0	43,13	0,0025	L	LDGAHNPA A	
1173,578	-0,0109	0	44,22	0,0017	P	PEAQAVFQ I	
1176,625	-0,0049	0	55,2	0,0003	I	LLDGAHNPA A	
1176,625	-0,0048	0	60,73	8.50E-05	I	LLDGAHNPA A	
1249,609	-0,0046	0	50,1	0,00046	R	LQWVDYN(I	
1249,609	-0,0014	0	58,33	6.70E-05	R	LQWVDYN(I	
1270,631	-0,0104	0	72,72	5.20E-06	I	PPEAQAVF(I	
1270,631	-0,0073	0	65,18	3.10E-05	I	PPEAQAVF(I	
1270,631	-0,0061	0	58,24	0,00015	I	PPEAQAVF(I	
1289,709	-0,0093	0	55,94	0,00011	K	ILLDGAHNFA A	
1289,709	-0,0075	0	74,78	1.50E-06	K	ILLDGAHNFA A	
1289,709	-0,0073	0	39,61	0,005	K	ILLDGAHNFA A	
1289,709	-0,0069	0	74,18	1.70E-06	K	ILLDGAHNFA A	
1289,709	-0,0058	0	73,34	2.00E-06	K	ILLDGAHNFA A	
1335,674	-0,0051	0	74,03	2.10E-06	-	MDINTLLEF T	
1588,941	-0,0004	1	38,53	0,002	A	GVNLGLER L	
1712,911	-0,0144	0	58,34	8.50E-05	R	EHWQVLGF E	
1712,911	-0,0077	0	46,13	0,0025	R	EHWQVLGF E	
1915,969	-0,017	1	38,83	0,0076	K	AVWPGRLC I	
2213,083	-0,0241	0	47,09	0,00084	R	IAELHCPDY N	
2213,083	-0,0156	0	58,58	6.50E-05	R	IAELHCPDY N	
2213,083	-0,0145	0	71,96	3.00E-06	R	IAELHCPDY N	
2213,083	-0,0042	0	53,93	0,00039	R	IAELHCPDY N	
1193,568	-0,0075	0	37,09	0,0075	K	NQEEAYTAI E	
1346,719	-0,007	0	78,91	1.40E-06	N	PGGLLYSS\ I	
1346,719	-0,0049	0	57,55	0,00018	N	PGGLLYSS\ I	
1347,67	-0,0049	0	59,79	6.00E-05	R	ELGDGSGM Y	
1509,688	-0,011	0	66,23	5.30E-06	R	LNQFSAQA Q	
1509,688	-0,0093	0	68,92	2.80E-06	R	LNQFSAQA Q	
1509,688	-0,0069	0	72,63	1.30E-06	R	LNQFSAQA Q	
1509,688	-0,0052	0	36,74	0,0051	R	LNQFSAQA Q	
1525,683	-0,0082	0	56,97	4.10E-05	R	LNQFSAQA Q	
1823,872	-0,0008	1	53,78	0,00019	K	NQEEAYTAI L	
1823,872	0,002	1	42,86	0,0024	K	NQEEAYTAI L	
1827,843	-0,0043	0	77,73	4.90E-07	R	TYVDGTFN(Q	
1827,843	0,0015	0	114,72	1.10E-10	R	TYVDGTFN(Q	
1920,954	-0,0125	1	46,64	0,0023	K	HGIDPDVE\ E	
1920,954	-0,0051	1	61,8	6.80E-05	K	HGIDPDVE\ E	
1920,954	-0,0042	1	73,45	4.60E-06	K	HGIDPDVE\ E	
1920,954	-0,0016	1	60,74	8.40E-05	K	HGIDPDVE\ E	
2232,993	-0,0051	1	55,25	0,0001	K	LNDPYTRF\ I	
2604,225	-0,0079	1	40,29	0,0032	R	TYVDGTFN(D	
1168,545	-0,0128	0	42,84	0,0028	F	PGGTHDM\ Y	
1317,693	-0,0116	1	55,12	0,00017	K	VPFEDIIDR\ G	
1317,693	-0,0091	1	76,95	1.10E-06	K	VPFEDIIDR\ G	
1317,693	-0,0087	1	52,01	0,00035	K	VPFEDIIDR\ G	
1415,662	-0,0026	1	47,8	0,00056	F	GMRADWW A	

1547,701	-0,0015	0	52,03	0,00016	A	MTFPGGTH Y	
1625,976	0,0001	0	51,62	6.30E-05	K	LGFIALTDA E	
1630,843	-0,0081	0	42,47	0,0069	R	LNVNGQGI D	
1630,843	-0,0036	0	89,31	1.40E-07	R	LNVNGQGI D	
1630,843	-0,0032	0	92,37	6.90E-08	R	LNVNGQGI D	
1717,807	0,0044	0	62,86	2.00E-05	K	VAMTFPGG Y	
1964,98	-0,0101	0	78,97	1.40E-06	R	EAAQALEVI G	
1964,98	-0,0065	0	92,2	6.70E-08	R	EAAQALEVI G	
2347,043	-0,0092	0	70,12	2.00E-06	K	GIYNFGNG Y	
2347,043	-0,0075	0	60,92	1.70E-05	K	GIYNFGNG Y	
2347,043	-0,0069	0	64,87	6.90E-06	K	GIYNFGNG Y	
2347,043	-0,0055	0	34,3	0,0082	K	GIYNFGNG Y	
2347,043	0,0072	0	36,31	0,0066	K	GIYNFGNG Y	
1236,671	-0,0096	0	38,75	0,012	R	LLGTSLSDY V	
1360,687	-0,0065	0	79,3	1.40E-06	V	PPQITTEAF W	
1362,787	-0,0061	0	37,23	0,0061	N	PDLKPDLLF Q	
1575,898	0,0005	0	56,07	4.50E-05	R	VNPDLKPD Q	
1575,898	0,0016	0	64,51	6.40E-06	R	VNPDLKPD Q	
1620,872	-0,008	0	82,16	5.30E-07	R	QEIEENPVL A	
1620,872	-0,0065	0	50,55	0,00074	R	QEIEENPVL A	
1620,872	-0,0059	0	40,81	0,0069	R	QEIEENPVL A	
1620,872	-0,0059	0	82,93	4.30E-07	R	QEIEENPVL A	
1620,872	-0,005	0	56,88	0,00017	R	QEIEENPVL A	
1624,892	-0,0061	0	73,58	3.10E-06	K	ILADLLEDV V	
1783,866	-0,0073	0	56,55	9.90E-05	K	ILYADSGTS A	
1783,866	0,0002	0	87,94	7.70E-08	K	ILYADSGTS A	
1799,861	-0,0027	0	49,43	0,00051	K	ILYADSGTS A	Oxidation (I
1799,861	-0,0026	0	62,59	2.40E-05	K	ILYADSGTS A	Oxidation (I
1832,963	-0,026	1	67,03	1.10E-05	L	PDLRLLG V	
2280,294	-0,0099	1	69,29	2.40E-06	K	ILADLLEDV Q	
2946,458	-0,0002	1	38,96	0,0072	K	LCELAEDY S	
2946,458	0,0035	1	42,94	0,0029	K	LCELAEDY S	
992,4464	-0,007	0	35,72	0,011	K	DNFSAFHR I	
1271,683	-0,0059	1	68,88	7.60E-06	R	SAEIINQLT F	
1271,683	-0,0055	1	54,17	0,00022	R	SAEIINQLT F	
1271,683	-0,005	1	54,7	0,00021	R	SAEIINQLT F	
1271,683	-0,0049	1	52,26	0,00036	R	SAEIINQLT F	
1271,683	-0,0048	1	47,4	0,0011	R	SAEIINQLT F	
1271,683	-0,0045	1	62,85	3.10E-05	R	SAEIINQLT F	
1385,698	-0,0054	0	68,68	6.30E-06	L	ELLPHPEG C	
1452,663	-0,0045	0	101,45	3.80E-09	R	SPVEANFA C	
1452,663	-0,0041	0	109,08	6.60E-10	R	SPVEANFA C	
1452,663	-0,0035	0	64,34	2.00E-05	R	SPVEANFA C	
1805,91	-0,022	1	53,02	0,00027	E	LLPHPEGG S	
2001,918	-0,0111	1	37,4	0,0092	K	ETYRSPVEA N	
2041,067	-0,0154	1	40,39	0,011	Y	WVEKLELL F	
2048,037	-0,0167	1	56,62	0,00013	K	LELLPHPEG S	
2318,174	-0,0046	1	51,84	0,0004	I	NYWVEKLE E	

2560,3	-0,0066	1	91,35	9.00E-08	K	EINYWVEKI E	
2560,3	-0,0035	1	144,09	4.70E-13	K	EINYWVEKI E	
1075,533	-0,0074	0	57,09	0,0001	-	MDGVSLAC L	
1284,636	-0,0075	0	55,85	0,00025	Q	FNLLDGQM Q	
1343,658	-0,0052	0	49,17	0,00051	R	GSQLGAW/ I	
1343,658	-0,0044	0	39,86	0,0044	R	GSQLGAW/ I	
1343,658	-0,003	0	65,13	1.30E-05	R	GSQLGAW/ I	
1414,68	-0,007	1	58,81	0,0001	V	GDRQELED W	
1414,68	-0,0036	1	59,93	8.00E-05	V	GDRQELED W	
1414,68	-0,003	1	66,38	1.80E-05	V	GDRQELED W	
1414,68	-0,0024	1	67,57	1.40E-05	V	GDRQELED W	
1497,674	-0,0049	0	64,19	8.10E-06	K	IDPAESDAY P	
1497,674	-0,0038	0	80,98	1.80E-07	K	IDPAESDAY P	
1513,749	-0,0083	1	41,52	0,0033	I	VGDRQELE W	
1525,779	-0,0216	0	40,55	0,0041	R	LQFNLLDG Q	
1525,779	-0,0017	0	61,85	3.40E-05	R	LQFNLLDG Q	
1626,833	-0,0088	1	56,49	0,00026	R	IVGDRQELF W	
1626,833	-0,0083	1	45,14	0,0035	R	IVGDRQELF W	
1626,833	-0,0056	1	42,63	0,0054	R	IVGDRQELF W	
1857,897	-0,0188	2	45,67	0,002	V	GDRQELED Q	
1857,897	-0,0122	2	44,04	0,0031	V	GDRQELED Q	
2070,049	-0,0191	2	66,92	1.20E-05	R	IVGDRQELF Q	
2070,049	-0,0177	2	41,76	0,004	R	IVGDRQELF Q	
2506,209	-0,0211	1	65,65	2.30E-05	R	VDGQVEKII G	
2506,209	-0,0059	1	59,24	0,00011	R	VDGQVEKII G	
1126,671	-0,0079	0	45,28	0,001	R	VLIVGGDVI W	
1609,788	-0,0169	0	100,51	3.90E-09	K	TVAQGTYYQ E	
1609,788	-0,0116	0	47,03	0,00092	K	TVAQGTYYQ E	
1609,788	-0,0082	0	69,72	5.10E-06	K	TVAQGTYYQ E	
1651,824	-0,0007	0	45,48	0,0016	R	YICSAQENI A	
1794,901	-0,0072	0	44,49	0,0041	T	TSDLDWVIL I	
2009,033	-0,0096	0	50,72	0,00093	Q	LTTSDLDW I	
2157,064	-0,0081	1	55,42	0,00015	K	TVAQGTYYQ F	
2208,129	-0,0156	0	129,52	6.80E-12	K	AQLTTSDLI I	
2208,129	-0,0142	0	106,72	1.30E-09	K	AQLTTSDLI I	
2872,493	-0,004	1	119,66	1.30E-10	K	IISNVGEYG I	
2872,493	0,0006	1	125,04	3.50E-11	K	IISNVGEYG I	
819,4715	-0,0114	0	32,88	0,013	D	PAVQHLLR A	
1413,671	-0,006	0	70,29	3.20E-06	K	DNVMAVQf S	
1413,671	-0,0058	0	79,06	4.20E-07	K	DNVMAVQf S	
1413,671	-0,0026	0	42,92	0,0018	K	DNVMAVQf S	
1429,666	-0,0144	0	75,93	6.70E-07	K	DNVMAVQf S	Oxidation (I
1429,666	-0,0126	0	68,72	3.70E-06	K	DNVMAVQf S	Oxidation (I
1429,666	-0,0066	0	45,4	0,00088	K	DNVMAVQf S	Oxidation (I
1478,763	-0,0057	0	40,86	0,0091	L	PGVGSFDP A	
1478,763	-0,0049	0	84,54	3.90E-07	L	PGVGSFDP A	
1536,67	-0,004	0	74,97	8.50E-07	V	VDYDMGNI G	
1536,67	-0,0027	0	44,76	0,00089	V	VDYDMGNI G	

1706,776	-0,0055	0	60,54	3.90E-05	I	AVVDYDMC G	
1804	-0,0095	0	48,79	0,00043	A	IVLPGVGSF A	
2039,945	-0,0089	0	69,48	3.30E-06	M	GYIAVVDYI G	
2039,945	-0,0073	0	101,34	2.20E-09	M	GYIAVVDYI G	
2055,939	-0,0082	0	38,29	0,0039	M	GYIAVVDYI G	Oxidation (I
2055,939	-0,0046	0	46,18	0,00066	M	GYIAVVDYI G	Oxidation (I
1090,504	-0,009	0	48,59	0,00075	R	WDSQTELC S	
1090,504	-0,0072	0	51,99	0,00036	R	WDSQTELC S	
1361,6	-0,0023	0	35,38	0,0052	Y	YGFLPDADI G	
1524,663	-0,0017	0	37,43	0,0042	I	YYGFLPDAI G	
1571,685	-0,0084	0	63,96	6.00E-06	R	TNYSFEQNI S	
1571,685	-0,0082	0	76,09	3.70E-07	R	TNYSFEQNI S	
1571,685	-0,0058	0	96,92	3.10E-09	R	TNYSFEQNI S	
1571,685	-0,0057	0	68,11	2.40E-06	R	TNYSFEQNI S	
1571,685	-0,0056	0	30,63	0,013	R	TNYSFEQNI S	
1571,685	-0,0055	0	56,15	3.70E-05	R	TNYSFEQNI S	
1585,749	-0,0044	0	55,71	9.10E-05	A	MDFLEFITA W	
1587,695	0,0002	0	40,86	0,0012	Q	GEGYSHSA R	
1795,817	-0,0028	0	36,16	0,0062	K	GTIYYGFLPI G	
1838,881	-0,0183	1	38,35	0,006	Y	GFLPDADH G	
1843,813	0,0045	0	33,11	0,01	I	QQGEGYSI R	
2001,945	-0,0218	1	41,43	0,0044	Y	YGFLPDADI G	
2165,008	-0,0181	1	58,69	3.60E-05	I	YYGFLPDAI G	
2357,088	-0,0019	1	115,26	8.10E-11	R	TNYSFEQNI W	
2436,161	-0,0171	1	59,36	4.10E-05	K	GTIYYGFLPI G	
1112,525	-0,008	0	37,95	0,0098	K	STLEFHDI H	
1293,672	-0,0063	0	48,89	0,00061	R	RPDYIADFL L	
1293,672	-0,0053	0	74,81	1.50E-06	R	RPDYIADFL L	
1293,672	-0,0049	0	59,39	5.10E-05	R	RPDYIADFL L	
1293,672	-0,0042	0	75,55	1.30E-06	R	RPDYIADFL L	
1776,836	-0,0056	0	86,79	1.50E-07	K	INADFGSFI Q	
3068,459	-0,0091	0	165,79	9.50E-16	K	HHAAYVNI A	
3068,459	-0,0063	0	153,48	1.60E-14	K	HHAAYVNI A	
3068,459	-0,0018	0	120,85	3.10E-11	K	HHAAYVNI A	
3068,459	0,005	0	57,82	6.60E-05	K	HHAAYVNI A	
1104,654	-0,0111	0	38,83	0,0042	K	IGTYGLAVL M	
1204,555	-0,0109	0	37,21	0,0093	I	ADYEAMGI S	
1204,555	-0,0105	0	36,9	0,01	I	ADYEAMGI S	
1204,555	0,0004	0	57,85	0,0001	I	ADYEAMGI S	
1240,689	-0,0075	1	45,13	0,0025	I	DAVVVGAD N	
1388,676	-0,01	0	43,96	0,0037	V	AIADYEAM( S	
1554,819	-0,0055	0	50,03	0,0011	R	TCQAIGAA( E	
1616,787	-0,0085	0	89,04	1.20E-07	K	EVAIADYEA S	
1616,787	-0,0016	0	76,9	2.10E-06	K	EVAIADYEA S	
1616,787	-0,0015	0	89,51	1.10E-07	K	EVAIADYEA S	
1616,787	0,0026	0	65,16	3.10E-05	K	EVAIADYEA S	
1632,782	-0,0189	0	79,55	7.50E-07	K	EVAIADYEA S	Oxidation (I
1707,877	-0,001	0	56,39	0,00013	R	GAPAIGVAI R	

1817,005	-0,0011	1	65,2	1.60E-05	R	NGDIANKIC M	
1854,854	-0,0006	0	92,22	3.50E-08	M	TQSTNFDD' D	
1854,854	0,0034	0	97,17	1.20E-08	M	TQSTNFDD' D	
1087,599	-0,0122	1	51,15	0,00041	K	ARQTLGDS G	
1087,628	-0,0068	0	70,04	3.00E-06	R	KPLVFLDEK T	
1087,628	-0,006	0	53,63	0,00013	R	KPLVFLDEK T	
1339,75	-0,0046	0	54,7	0,00014	R	YHSPLVVD' A	
1339,75	-0,0036	0	45,72	0,0011	R	YHSPLVVD' A	
1419,754	-0,0049	0	39,37	0,0057	R	LLQQQGM' P	
1877,949	-0,0052	0	54,42	0,00022	Q	QQGMAIAY A	
1918,946	-0,0043	0	90,81	8.70E-08	M	ANSPQCCLL' S	
1918,946	-0,0022	0	82,9	5.40E-07	M	ANSPQCCLL' S	
1918,946	-0,0018	0	130,16	1.00E-11	M	ANSPQCCLL' S	
1918,946	0,0007	0	44,58	0,0038	M	ANSPQCCLL' S	
2232,176	-0,0199	0	65,29	1.70E-05	R	LLQQQGM' A	
2232,176	-0,0114	0	43,74	0,0024	R	LLQQQGM' A	
2248,171	-0,0063	0	67,76	1.90E-05	R	LLQQQGM' A	Oxidation (I
2391,316	-0,0175	0	73,87	1.30E-06	K	DLVKPFLES L	
1237,739	-0,0063	1	60,93	1.10E-05	A	PIVVKADGL G	
1266,73	-0,007	0	54,04	0,00016	K	QILQPTAN' R	
1341,773	-0,0135	1	36,81	0,0084	L	TNGGRVLG D	
1365,798	-0,0028	1	47,26	0,00031	M	GAPIVVKAC G	
1496,839	-0,0054	1	48,56	0,00082	K	MGAPIVVK' G	
1553,925	-0,0012	1	54,57	4.20E-05	K	VLTNNGRV D	
1553,925	0,0015	1	63,53	4.40E-06	K	VLTNNGRV D	
1591,698	-0,0003	0	56,53	3.60E-05	R	GVEQIDFD' R	
1657,78	-0,0079	0	96,52	7.80E-09	K	GDEINGLAI V	
1657,78	-0,0055	0	44,31	0,0013	K	GDEINGLAI V	
1785,874	-0,0089	1	102,88	2.40E-09	R	KGDEINGL' V	
1785,874	-0,0083	1	48,95	0,00057	R	KGDEINGL' V	
1785,874	-0,008	1	63,96	1.90E-05	R	KGDEINGL' V	
1785,874	-0,0046	1	53,78	0,00019	R	KGDEINGL' V	
2007,101	-0,0182	1	65,76	1.10E-05	K	VAVIGSGGI S	
2007,101	-0,016	1	41,65	0,0027	K	VAVIGSGGI S	
2007,101	-0,0151	1	63,5	1.80E-05	K	VAVIGSGGI S	
2713,599	-0,0157	0	32,72	0,0034	K	INLVVVGPE V	
2910,397	0,0042	2	47,91	0,00073	K	DLSTAIATA' D	
1135,635	-0,0074	0	35,67	0,0068	R	EVDAIVHV' C	
1135,635	-0,0064	0	35,06	0,0078	R	EVDAIVHV' C	
1214,604	-0,0029	0	47,16	0,0021	Q	AAGVIHTD' G	
1247,687	-0,0113	0	41,43	0,003	K	STLFNALVA A	
1328,719	-0,0066	0	41,87	0,0069	R	VGLTAAEQI S	
1328,719	-0,0055	0	66,39	2.50E-05	R	VGLTAAEQI S	
1328,719	-0,003	0	62,27	5.90E-05	R	VGLTAAEQI S	
1342,663	-0,0068	0	56,74	0,00021	P	QAAGVIHT' G	
1387,721	-0,0068	0	56,14	0,00015	K	GEGLGNQF E	
1387,721	-0,006	0	64,62	2.20E-05	K	GEGLGNQF E	
1439,716	-0,0139	0	35,82	0,011	A	PQAAGVIH' G	

1439,716	-0,0101	0	55,7	0,00012	A	PQAAGVIH` G	
1484,82	-0,0062	1	47,52	0,0015	R	RVGLTAEEC S	
1510,753	-0,0138	0	41,43	0,0034	K	APQAAGVII` G	
1510,753	-0,0106	0	59,74	5.10E-05	K	APQAAGVII` G	
1510,753	-0,0077	0	53,7	0,00046	K	APQAAGVII` G	
1510,753	-0,0076	0	98,69	1.40E-08	K	APQAAGVII` G	
1510,753	-0,0073	0	91,74	7.20E-08	K	APQAAGVII` G	
2028,913	-0,0053	0	44,03	0,0013	R	AETVAYEDI E	
2505,345	-0,0003	1	62,81	2.00E-05	K	GEGLGNQF C	
2505,345	0,0011	1	58,25	5.40E-05	K	GEGLGNQF C	
1181,688	-0,0043	1	55,65	5.20E-05	R	RLPVLNVE\$ Q	
1181,688	-0,004	1	54,29	7.10E-05	R	RLPVLNVE\$ Q	
1330,644	-0,0041	0	71,91	5.60E-06	R	ISGMPVLDI L	
1330,644	-0,0032	0	41,37	0,0065	R	ISGMPVLDI L	
1330,644	-0,0023	0	72,32	5.20E-06	R	ISGMPVLDI L	
1330,644	0,0066	0	54,93	0,00033	R	ISGMPVLDI L	
1346,639	-0,0104	0	61,42	5.00E-05	R	ISGMPVLDI L	Oxidation (I
1346,639	-0,0042	0	42,11	0,0046	R	ISGMPVLDI L	Oxidation (I
1438,851	-0,0055	0	64,29	9.50E-06	R	QLIGILTQG A	
1662,931	-0,016	0	39,23	0,0068	N	PITVKPDTP I L	
1874,026	-0,02	0	43,84	0,0019	T	PNPITVKPD L	
1874,026	-0,017	0	129,73	4.50E-12	T	PNPITVKPD L	
2591,363	-0,0108	0	91,5	3.60E-08	R	TVGEVMTPI L	
2591,363	-0,0094	0	74,46	1.80E-06	R	TVGEVMTPI L	
2591,363	-0,0068	0	62,88	2.50E-05	R	TVGEVMTPI L	
2591,363	-0,0019	0	43,29	0,0023	R	TVGEVMTPI L	
2607,358	-0,0021	0	46,67	0,0011	R	TVGEVMTPI L	Oxidation (I
1507,818	0,0004	0	48,65	0,00048	V	LVAPQGMV A	
2209,933	0,0013	1	62,2	7.40E-06	T	ADTMTEWN -	
2214,194	0,0007	1	39,52	0,0045	V	LVAPQGMV V	
3112,266	-0,0053	0	30,74	0,004	K	VGEAGADY H	Oxidation (I
3112,266	0,0008	0	82,29	3.20E-08	K	VGEAGADY H	Oxidation (I
3346,414	-0,0046	1	117,28	1.60E-11	K	VGEAGADY -	
3346,414	0,0081	1	65,07	3.10E-06	K	VGEAGADY -	
3362,409	0,0007	1	32,75	0,0015	K	VGEAGADY -	Oxidation (I
3362,409	0,0044	1	32,46	0,0016	K	VGEAGADY -	Oxidation (I
3362,409	0,0072	1	33,44	0,0014	K	VGEAGADY -	Oxidation (I
3802,648	-0,0111	1	129,61	1.10E-12	R	AQGPAPGK H	
3802,648	-0,0072	1	119,53	1.20E-11	R	AQGPAPGK H	
3802,648	-0,0027	1	45,27	0,00036	R	AQGPAPGK H	
3802,648	0,0004	1	34,11	0,0049	R	AQGPAPGK H	
3802,648	0,0029	1	39,71	0,0014	R	AQGPAPGK H	
1181,659	-0,0067	0	64,62	1.00E-05	A	PDVMVALG G	
1181,659	-0,0059	0	60,71	2.50E-05	A	PDVMVALG G	
1181,659	-0,0039	0	40,3	0,0027	A	PDVMVALG G	
1181,659	-0,0029	0	64,52	1.00E-05	A	PDVMVALG G	
1197,654	-0,0066	0	42,9	0,0024	A	PDVMVALG G	Oxidation (I
1252,696	-0,0048	0	74,7	2.10E-06	V	APDVMVAL G	

1286,647	-0,0052	1	44,13	0,0042	A	ELAEAENDIA	
1351,765	-0,0064	0	54,45	8.70E-05	R	VAPDVMVA G	
1351,765	-0,0061	0	75,17	7.40E-07	R	VAPDVMVA G	
1351,765	-0,0046	0	60,1	2.20E-05	R	VAPDVMVA G	
1351,765	-0,003	0	93,43	1.00E-08	R	VAPDVMVA G	
1357,684	-0,0123	1	61,57	3.60E-05	R	AELAEAENI A	
1357,684	-0,0094	1	49,83	0,00053	R	AELAEAENI A	
1626,869	-0,0156	2	44,46	0,0036	K	LRAELAEAE A	
1626,869	-0,0118	2	47,37	0,0021	K	LRAELAEAE A	
2405,303	-0,0144	0	38,54	0,0093	R	IGGELTIIIE F	
2405,303	-0,0086	0	35,55	0,011	R	IGGELTIIIE F	
2405,303	-0,0085	0	105,19	1.10E-09	R	IGGELTIIIE F	
1112,667	-0,0094	1	49,13	0,00053	K	RLPSLTLTG T	
1112,667	-0,0061	1	38,5	0,0058	K	RLPSLTLTG T	
1601,781	-0,0035	0	85,99	1.30E-07	S	CPVTMLNH E	
1688,813	-0,0028	0	108,29	1.40E-09	E	SCPVTMLN E	
1688,813	-0,0003	0	96,81	2.00E-08	E	SCPVTMLN E	
1704,808	-0,0046	0	67,27	1.40E-05	E	SCPVTMLN E	Oxidation (I
1817,855	-0,0042	0	90,05	3.60E-08	L	ESCPVTMLI E	
1930,939	-0,0029	0	109,26	1.10E-09	E	LESCPVTMI E	
2449,177	-0,0076	0	98,73	1.20E-08	K	IFEELESCP' E	
2465,172	-0,004	0	90,34	3.80E-08	K	IFEELESCP' E	Oxidation (I
1109,539	-0,0117	0	65,14	1.20E-05	L	PFAALYDGİ F	
1109,539	-0,0104	0	36,17	0,0093	L	PFAALYDGİ F	
1109,539	-0,0095	0	52,89	0,0002	L	PFAALYDGİ F	
1125,625	-0,0076	0	54,34	0,00013	K	AQALQQAÇ M	
1125,625	-0,0059	0	56,41	8.10E-05	K	AQALQQAÇ M	
1210,635	-0,0117	0	40,5	0,0089	K	FLAEQYAITI I	
1210,635	-0,0069	0	43,45	0,0044	K	FLAEQYAITI I	
1328,741	-0,01	1	64,04	3.20E-05	K	KLASLQQQ A	
1578,841	-0,001	1	49,99	0,00093	K	LRSLPFAAL F	
1624,781	-0,0054	0	87,52	1.60E-07	I	NGEINLDA( G	
1771,987	0,0055	1	47,47	0,00051	K	KLYDWLIAF A	
1771,987	0,0105	1	51,55	0,0002	K	KLYDWLIAF A	
1868,905	-0,0078	0	106	2.30E-09	R	MINGEINLC G	
1884,9	-0,0118	0	52,42	0,00043	R	MINGEINLC G	Oxidation (I
2384,182	-0,0105	0	103	2.70E-09	S	SQPSNALN W	
2384,182	-0,0079	0	53,62	0,00024	S	SQPSNALN W	
2384,182	-0,0077	0	45,69	0,0015	S	SQPSNALN W	
1234,729	-0,0045	0	33,21	0,0099	K	LLAVQIPPA L	
1327,627	-0,0112	0	42,32	0,0016	R	NHDVQEGİ V	
1460,643	-0,0096	0	44,18	0,00092	K	NNEWEHY( F	
1460,643	-0,0074	0	55,81	6.80E-05	K	NNEWEHY( F	
1470,783	-0,005	0	45,65	0,003	R	NVFGLIAAC A	
1632,769	-0,0014	0	85,94	1.80E-07	R	AGGVATSSI L	
1671,967	-0,0019	1	41,09	0,0014	R	LRQFGQTV K	
1698,909	-0,0042	0	39,63	0,011	K	VNLIATGNI T	
1701,799	-0,0112	0	107,3	6.20E-10	K	AEINCTEAV G	



1701,799	-0,0093	0	112,87	1.90E-10	K	AEINCTEAV G	
1703,848	0,0051	0	43,13	0,0029	K	ISIFLNDQG F	
1827,004	-0,0034	1	43,95	0,0028	K	KVNLIIATG I T	
1910,859	-0,023	0	43,66	0,0006	K	FCEGRPMV I	
1910,859	-0,0162	0	57,52	2.90E-05	K	FCEGRPMV I	
1952,982	-0,0088	1	58,5	7.80E-05	R	NHDVQEG I C	
2209,149	-0,0079	2	52,61	0,00063	R	SPLSEEGR C E	
2409,102	-0,0127	0	49,06	0,00028	R	LNVCCHIG Q	
1211,583	-0,0055	1	55,21	0,00011	V	GCVLNDHM Q	
1252,54	-0,01	0	50,47	0,00019	R	GFFFESYN I V	
1404,726	-0,0072	0	53,18	0,00058	R	GLHYQIQH L	
1714,948	-0,0161	2	50,28	0,00042	R	VARGEIFDV N	
1714,948	-0,012	2	35,87	0,011	R	VARGEIFDV N	
1768,828	-0,016	0	34,87	0,01	V	GIEPHFVQ I Q	
1866,054	0,0034	0	67,4	4.40E-06	-	MNVIPTTIA I V	
1867,897	-0,0188	0	92,33	2.10E-08	A	VGIEPHFV C Q	
1938,934	-0,0141	0	78,54	1.20E-06	Q	AVGIEPHFV Q	
1955,869	-0,015	1	37,47	0,0026	K	VFGDERGF V	
2012,964	-0,0097	1	37,02	0,008	S	PSFGQWV C Q	
2195,051	-0,0131	0	45,65	0,0011	F	QQAVGIEPI Q	
2214,039	-0,009	1	58,77	4.70E-05	R	NSPSFGQV Q	
2441,188	-0,0271	0	70,21	3.80E-06	K	VFQQAVGII Q	
2441,188	-0,0198	0	112,14	2.60E-10	K	VFQQAVGII Q	
1156,61	-0,0085	0	54,49	0,00036	C	HEAVHALG I	
1156,61	-0,007	0	57,29	0,00021	C	HEAVHALG I	
1387,678	-0,0187	0	85,84	1.10E-07	K	ACHEAVHA I	
1387,678	-0,0129	0	39,76	0,0047	K	ACHEAVHA I	
1387,678	-0,0095	0	86,62	1.00E-07	K	ACHEAVHA I	
1387,678	-0,0081	0	36,55	0,01	K	ACHEAVHA I	
1387,678	-0,0067	0	48,97	0,00062	K	ACHEAVHA I	
1387,678	-0,0063	0	61,67	3.30E-05	K	ACHEAVHA I	
1387,678	-0,0062	0	64,16	1.90E-05	K	ACHEAVHA I	
2490,127	-0,0093	0	112,44	1.00E-10	K	HTMHAYGT A	
2506,122	-0,0114	0	89,51	3.80E-08	K	HTMHAYGT A	Oxidation (I
2506,122	-0,0108	0	53,06	0,00017	K	HTMHAYGT A	Oxidation (I
1155,734	-0,006	1	61,01	5.10E-06	K	VVRTITGLG E	
1155,734	-0,0058	1	41,94	0,00041	K	VVRTITGLG E	
1155,734	-0,0027	1	55,26	1.60E-05	K	VVRTITGLG E	
1157,629	-0,0085	0	41,78	0,0042	A	ATDQILEQL S	
1228,666	-0,0066	0	49,01	0,0015	S	AATDQILE C S	
1229,65	-0,0064	1	36,74	0,012	K	EAKELVEST A	
1315,698	-0,0093	0	56,77	0,00012	M	SAATDQILE S	
1315,698	-0,0075	0	87,78	1.00E-07	M	SAATDQILE S	
1315,698	-0,0069	0	80,12	5.90E-07	M	SAATDQILE S	
1315,698	-0,0067	0	80,83	5.10E-07	M	SAATDQILE S	
1315,698	-0,0063	0	59,35	7.10E-05	M	SAATDQILE S	
1315,698	-0,0063	0	94,82	2.00E-08	M	SAATDQILE S	
1315,698	-0,006	0	81,6	4.20E-07	M	SAATDQILE S	

1603,798	-0,0066	0	59,47	6.20E-05	K	TEFDVILEE\K	
1700,858	-0,0026	2	64,54	2.20E-05	K	DDAEAIKKC A	
1700,858	0,0014	2	59,72	6.70E-05	K	DDAEAIKKC A	
1267,656	-0,0067	0	38,66	0,0058	M	GKPTGFLEY E	
1517,661	-0,0106	0	68	1.70E-06	R	NWDEFHVI Q	
1580,762	-0,0042	0	51,71	0,00062	K	GWQEGWV R	
1664,819	-0,0036	0	64,62	3.50E-05	K	DYDAVVLC D	
1692,952	-0,0008	0	112,05	2.50E-10	K	VAVVSGSP A	
1692,952	0,0026	0	106,86	7.90E-10	K	VAVVSGSP A	
1764,944	-0,0116	0	42,73	0,005	R	SLVQLEIMF A	
1788,927	-0,0077	1	60,54	0,0001	R	GQSLVWV A	
1821,047	-0,0087	1	33,07	0,014	K	KVAVVSGS A	
1907,811	-0,0207	0	70,47	8.30E-07	K	MDYGQEE S	
1907,811	-0,015	0	101,55	6.40E-10	K	MDYGQEE S	
2346,07	-0,0056	1	52,68	0,00013	K	AEYGQYET G	
1080,502	-0,0065	0	39,62	0,0069	K	VDGFTVCQ L	
1308,679	-0,0052	0	65,79	2.70E-05	R	HGQTVSPS E	
1308,679	-0,002	0	45,98	0,0025	R	HGQTVSPS E	
1308,679	0,0005	0	73,59	4.40E-06	R	HGQTVSPS E	
1525,854	-0,0066	0	36,94	0,0084	I	PVLMLTALC I	
1528,705	0,0049	0	60,27	6.10E-05	K	IQGFDSGAI P	
1835,821	-0,0046	0	57,16	3.70E-05	R	EVWGYEPD V	
1835,821	0,0012	0	38,08	0,0033	R	EVWGYEPD V	
1921,024	-0,0165	0	66,69	2.00E-05	K	LTHLEFELLI H	
1921,024	-0,0128	0	91,13	6.80E-08	K	LTHLEFELLI H	
1926,05	-0,0106	0	37,82	0,0082	R	TADIPVLM L I	
2306,274	-0,005	0	46,56	0,00061	K	GQALAVQL V	
2341,134	-0,0038	1	45,45	0,0027	R	EVWGYEPD H	
2716,269	-0,0063	0	80,13	6.30E-07	K	IQGFDSGAI V	
2780,465	-0,0091	1	57,58	8.40E-05	K	HSEILNQGI S	
2780,465	-0,0027	1	85,61	1.30E-07	K	HSEILNQGI S	
1166,702	-0,0011	0	36,53	0,0039	K	VGAQDKPV R	
1182,661	-0,0077	1	45,64	0,0019	T	PEIEIERIGK E	
1551,889	-0,0068	1	78,71	3.20E-07	K	QLAVIGQT V	
1551,889	-0,0046	1	69,26	2.80E-06	K	QLAVIGQT V	
1933,993	-0,0044	0	70,57	5.30E-06	A	AIAAGTDSL A	
2010,042	-0,0038	0	37,63	0,0095	R	HGEYSEVIV N	
2072,09	-0,0148	2	42,96	0,0029	K	VGTP EIEI E F G	
2088,064	-0,0179	0	80,45	5.80E-07	R	TSPYAFQGI E	
2088,064	-0,0065	0	93,83	2.60E-08	R	TSPYAFQGI E	
2088,064	-0,0054	0	45,73	0,0017	R	TSPYAFQGI E	
2124,946	-0,0112	1	98,27	4.60E-09	K	AMSDGPQ S Q	
2124,946	-0,0031	1	43,73	0,0015	K	AMSDGPQ S Q	
2140,941	-0,0153	1	61,92	6.70E-06	K	AMSDGPQ S Q	Oxidation (I
2140,941	-0,0079	1	36,04	0,003	K	AMSDGPQ S Q	Oxidation (I
1225,642	-0,0082	1	34,21	0,014	V	GLDPQRDL F	
1225,642	-0,0079	1	52,04	0,00023	V	GLDPQRDL F	
1305,668	-0,0057	0	55,94	0,00014	R	GATLQNVN V	

1347,627	-0,0094	0	57,21	6.00E-05	R	TVTEADTGM L	
1437,794	-0,0043	1	40,2	0,0034	K	LVGLDPQR F	
1641,796	-0,0051	0	93,23	2.00E-08	I	SLTVQAEG/ F	
1766,895	-0,0067	1	64,82	3.70E-05	S	GAYLEGAN S	
1811,901	-0,0039	0	86,59	1.20E-07	R	GISLTVQAE F	
1853,927	-0,0094	1	52,61	0,00028	L	SGAYLEGAIS	
2210,097	-0,0057	1	52,97	0,00029	R	GADLSGAY S	
2210,097	0,001	1	148,32	8.60E-14	R	GADLSGAY S	
2210,097	0,0033	1	44,21	0,0023	R	GADLSGAY S	
2714,341	-0,0162	2	57,29	9.10E-05	R	SNFRGADL S	
1328,741	-0,0011	1	54,33	0,00025	S	GGLDSATV/ E	
1641,941	-0,0006	1	113,88	1.00E-10	V	LLSGGLDS/ E	
1648,842	-0,0011	0	85,33	3.50E-07	R	DQALIEAG/ G	
1918,027	-0,0136	1	90,27	5.00E-08	R	LRDQALIEA G	
1918,027	-0,0104	1	95,1	2.90E-08	R	LRDQALIEA G	
1918,027	-0,0088	1	96,28	2.30E-08	R	LRDQALIEA G	
2012,163	-0,0039	1	108,56	2.30E-10	K	TAVVLLSGC E	
2031,209	-0,0282	0	38,74	0,0012	K	VGVEGRPI/ V	
2031,209	-0,027	0	39,22	0,00098	K	VGVEGRPI/ V	
2722,611	0,0057	1	30,76	0,0086	K	VGVEGRPI/ A	
1268,709	-0,0144	1	42,13	0,0048	A	PEEISAQVL L	
1356,736	-0,0075	1	56,29	0,00024	K	QALQRLTE/ A	
1393,761	-0,008	1	57,98	5.90E-05	K	KIVDFLAGE A	
1393,761	-0,0068	1	50,78	0,00031	K	KIVDFLAGE A	
1576,81	-0,0052	1	48,83	0,0016	I	NEPTAASL/ D	
1576,81	-0,0002	1	99,43	1.40E-08	I	NEPTAASL/ D	
1614,873	0,0019	1	84,29	3.30E-07	K	QFAPEEISA L	
1674,883	-0,0033	0	103,66	4.40E-09	R	IINEPTAASL K	
1674,883	-0,0005	0	60,01	0,0001	R	IINEPTAASL K	
1674,883	0,0009	0	54,34	0,00036	R	IINEPTAASL K	
1802,978	-0,0098	1	50,79	0,00039	R	IINEPTAASL D	
1802,978	-0,0064	1	50,46	0,00038	R	IINEPTAASL D	
1802,978	-0,003	1	89,26	8.70E-08	R	IINEPTAASL D	
1356,736	-0,0075	1	56,29	0,00024	R	QALQRLTE/ A	
1268,663	-0,008	0	62,9	5.50E-05	K	QAIANPLH/ T	
1295,654	-0,0083	0	53,54	0,00019	K	GGAAMLGYT	
1579,73	-0,0102	0	106,65	6.60E-10	K	VVQDSEQV A	
1579,73	-0,0095	0	47,76	0,00053	K	VVQDSEQV A	
1579,73	-0,0083	0	65,36	9.60E-06	K	VVQDSEQV A	
1595,725	-0,0011	0	42,7	0,0015	K	VVQDSEQV A	
1839,837	-0,0133	0	44,07	0,00083	K	STSTGTFNE V	
1839,837	-0,0076	0	89,93	2.50E-08	K	STSTGTFNE V	
2430,228	-0,0103	1	47,42	0,0011	K	STSTGTFNE M	
2430,228	-0,0091	1	138,58	8.20E-13	K	STSTGTFNE M	
2430,228	-0,0025	1	47,87	0,001	K	STSTGTFNE M	
1113,557	-0,0101	0	37,88	0,0056	I	PDPAGNFQ/ T	
1411,721	-0,0073	0	36,32	0,01	R	QGIPDPAG/ T	
1411,721	-0,0053	0	54,69	0,00015	R	QGIPDPAG/ T	

Oxidation (I

1411,721	-0,0037	0	54,69	0,00015	R	QGIPDPAG T	
1411,721	-0,003	0	85,5	1.30E-07	R	QGIPDPAG T	
1553,757	-0,0051	0	70,21	4.30E-06	L	PENTIEIAEF A	
1723,933	-0,0112	2	35,41	0,013	K	ARAAGVPN G	
1723,933	-0,0099	2	65,13	1.30E-05	K	ARAAGVPN G	
1723,933	-0,0072	2	62,12	2.70E-05	K	ARAAGVPN G	
1806,7	-0,0133	0	87,8	2.10E-09	K	GAGTYEDG Y	
1852,921	0,0004	0	70,47	9.80E-06	R	WLPENTIEI A	
1852,921	0,0012	0	78,77	1.40E-06	R	WLPENTIEI A	
1852,921	0,0043	0	54,56	0,00038	R	WLPENTIEI A	
1856,819	0,0022	0	42,44	0,0018	K	GGNLGETG G	
1159,635	-0,0106	0	47,09	0,001	I	LDLKPQYQ I	
1369,772	-0,0092	0	47,18	0,00093	I	PILDLKPQY I	
1369,772	-0,0067	0	36,54	0,01	I	PILDLKPQY I	
1369,772	-0,0049	0	46,73	0,00091	I	PILDLKPQY I	
1369,772	-0,004	0	37,58	0,007	I	PILDLKPQY I	
1369,772	-0,0037	0	49,66	0,00044	I	PILDLKPQY I	
1373,603	-0,0065	0	41,48	0,0012	R	YQNEMLGY L	
1373,603	-0,003	0	32,85	0,0087	R	YQNEMLGY L	
1482,856	-0,0028	0	36,68	0,0079	N	IPILDLKPQ\ I	
1596,899	-0,0049	0	37,2	0,011	M	NIPILDLKP( I	
1596,899	-0,0013	0	53,75	0,00023	M	NIPILDLKP( I	
1696,831	0,0023	0	66,18	2.50E-05	K	TVADFEQA\ Y	
1727,939	0,0034	0	70,99	3.70E-06	-	MNIPILDLK I	
1922,027	0,0017	0	69,39	5.00E-06	K	AIMPVHLFC A	
1938,022	-0,0158	0	36,17	0,013	K	AIMPVHLFC A	Oxidation (I
1938,022	0,0008	0	42,83	0,0026	K	AIMPVHLFC A	Oxidation (I
1938,022	0,0012	0	69,75	5.20E-06	K	AIMPVHLFC A	Oxidation (I
2145,136	-0,0121	1	58,31	8.20E-05	K	PVFVDVAIT A	
2287,144	-0,0088	0	56,81	0,00022	K	NLGAYGDC C	
2341,301	-0,0142	1	38,2	0,0097	R	IKAEIQQAV T	
1256,672	-0,0103	1	46,88	0,0024	V	LTAVTENRE Y	
1442,773	-0,0132	1	67,24	2.00E-05	R	SVLTAVTEN Y	
1442,773	-0,0125	1	40,33	0,0098	R	SVLTAVTEN Y	
1844,974	-0,0062	1	46,55	0,0013	K	RIENFTLGG L	
1844,974	-0,0059	1	43,28	0,0027	K	RIENFTLGG L	
1941,022	-0,0097	0	88,68	8.30E-08	K	ISVATHALH G	
1941,022	-0,0091	0	77,13	1.20E-06	K	ISVATHALH G	
2024,936	-0,0148	0	77,28	8.90E-07	K	TEAVESGFI V	
2024,936	-0,0125	0	39,77	0,0052	K	TEAVESGFI V	
2024,936	-0,0097	0	47,41	0,00094	K	TEAVESGFI V	
2024,936	-0,0015	0	71,52	4.00E-06	K	TEAVESGFI V	
2053,044	-0,0084	0	58,53	0,00015	R	NGQIVTPGI D	
2053,044	0,0004	0	63,61	4.60E-05	R	NGQIVTPGI D	
2053,044	0,0025	0	50,12	0,001	R	NGQIVTPGI D	
2409,233	-0,0153	2	38,76	0,0076	R	SVLTAVTEN I	
1321,677	-0,0053	0	51,1	0,0004	K	LGGDDYVL D	
1322,599	-0,0079	0	41,04	0,0034	R	NDDGTYS P V	

1478,7	-0,0103	1	44,85	0,0024	K	RNDDGTYS V	
1478,7	-0,0044	1	51,32	0,00058	K	RNDDGTYS V	
1563,862	-0,008	0	67,86	5.60E-06	K	EKPQIGEV\ R	
1634,79	-0,0032	2	51,8	0,00063	K	RNDDGTYS D	
1639,926	-0,0087	0	58,57	5.00E-05	M	AAISINVST\ V	
1639,926	-0,0018	0	90,6	2.80E-08	M	AAISINVST\ V	
1719,963	-0,0073	1	39,85	0,0066	K	EKPQIGEV\ N	
1858,068	-0,0181	1	60,94	3.70E-05	I	SINVSTVKP V	
1877,912	-0,0148	2	47,69	0,00078	K	RNDDGTYS V	
1877,912	-0,0128	2	56,6	0,0001	K	RNDDGTYS V	
1877,912	-0,0118	2	39,02	0,0059	K	RNDDGTYS V	
1877,912	-0,0108	2	51,49	0,00033	K	RNDDGTYS V	
1971,152	-0,0115	1	42,53	0,00065	A	ISINVSTVKF V	
2113,226	-0,0115	1	81,92	2.10E-07	M	AAISINVST\ V	
1390,749	-0,0024	0	61,65	6.40E-05	K	NTLLIMTSN V	
1391,698	-0,0059	0	42,29	0,0032	K	LLHMEDTLI L	
1421,694	-0,0095	0	93,64	2.00E-08	R	IVEEGFNPA P	
1421,694	-0,0078	0	54,19	0,00018	R	IVEEGFNPA P	
1518,71	-0,0054	0	51,35	0,00047	R	MLGETAEV\ T	
1555,846	-0,0006	0	58,63	7.40E-05	R	LLEDVLAEE L	
2102,893	-0,0115	0	56,11	2.10E-05	K	GGGGLGFL I	
2102,893	-0,0078	0	79,03	1.10E-07	K	GGGGLGFL I	
2276,144	-0,0128	0	77,61	1.00E-06	K	LIGSPPGYV R	
2276,144	-0,0127	0	59,42	6.70E-05	K	LIGSPPGYV R	
2372,078	-0,0076	1	64,26	8.10E-06	K	GGGGLGFL S	
2530,354	-0,0014	1	62,21	5.50E-05	K	NPNRPIASF A	
1114,53	-0,006	0	43,21	0,0031	K	THPEFEIDK S	
1123,57	-0,008	0	36,96	0,0079	R	EAIEAHPM\ R	
1231,693	-0,0081	1	63,38	1.70E-05	L	ITVAPDGYL L	
1387,694	-0,0133	0	38,96	0,0069	K	SQVEANVT\ D	
1387,694	-0,0082	0	85,3	1.60E-07	K	SQVEANVT\ D	
1387,694	-0,0077	0	83,95	2.20E-07	K	SQVEANVT\ D	
1387,694	-0,0065	0	98,42	7.40E-09	K	SQVEANVT\ D	
1457,861	-0,0006	1	53,78	5.20E-05	K	LLITVAPDG\ L	
1457,861	0,0012	1	60,94	8.90E-06	K	LLITVAPDG\ L	
1942,045	-0,0109	0	74,89	1.80E-06	R	ISMIQGSSI\ A	
1958,039	-0,0021	0	46,57	0,0012	R	ISMIQGSSI\ A	Oxidation (I
1958,039	0,0029	0	41,21	0,0039	R	ISMIQGSSI\ A	Oxidation (I
2098,146	0,0023	1	59,37	4.70E-05	K	RISMIQGSS\ A	
1153,628	-0,0083	0	45,44	0,00094	A	PDAMVALG G	
1153,628	-0,0061	0	69,03	4.10E-06	A	PDAMVALG G	
1153,628	-0,0053	0	63,67	1.40E-05	A	PDAMVALG G	
1153,628	-0,0038	0	56,79	6.60E-05	A	PDAMVALG G	
1169,623	-0,0053	0	59,32	5.50E-05	A	PDAMVALG G	Oxidation (I
1224,665	-0,0058	0	87,8	1.20E-07	V	APDAMVAL G	
1323,733	-0,0066	0	38,2	0,0051	R	VAPDAMVA G	
1323,733	-0,0062	0	87,75	5.70E-08	R	VAPDAMVA G	
1323,733	-0,006	0	55,61	9.30E-05	R	VAPDAMVA G	

1339,728	-0,0067	0	55,84	0,00011	R	VAPDAMVA G	Oxidation (I
1579,828	-0,0013	1	72,43	2.50E-06	K	FLTTVELDR E	
1579,828	0,0005	1	44,16	0,0017	K	FLTTVELDR E	
1579,828	0,0064	1	38,58	0,0056	K	FLTTVELDR E	
1778,92	-0,0026	1	58,74	0,00015	F	LTPDTLQIY F	
3717,537	-0,0263	0	61,45	2.60E-05	A	GSESPTSSE C	
3717,537	-0,022	0	81,28	2.50E-07	A	GSESPTSSE C	
3788,574	-0,0321	0	121,59	6.90E-13	G	AGSESPTSSE C	
3788,574	-0,0068	0	184,37	6.20E-19	G	AGSESPTSSE C	
3788,574	-0,005	0	75,61	4.90E-08	G	AGSESPTSSE C	
1415,679	-0,0124	0	44,5	0,0013	K	VTEFLASHN V	
1638,833	-0,0077	1	52,46	0,00061	M	TQISGSPD\ Q	Acetyl (N-te
1638,833	-0,0044	1	71,42	7.90E-06	M	TQISGSPD\ Q	Acetyl (N-te
1638,833	-0,004	1	61,26	8.10E-05	M	TQISGSPD\ Q	Acetyl (N-te
1638,833	-0,002	1	48,89	0,0014	M	TQISGSPD\ Q	Acetyl (N-te
1665,857	-0,0064	0	80,3	4.90E-07	A	PLSLALAH\ L	
1665,857	-0,0039	0	64,04	2.00E-05	A	PLSLALAH\ L	
1890,969	-0,0214	0	77,61	2.00E-06	R	GPAPLSLAL L	
1890,969	-0,016	0	88,64	1.60E-07	R	GPAPLSLAL L	
2125,128	-0,0045	1	49,5	0,0012	K	VTEFLASHN G	
2228,082	-0,001	1	38,29	0,0073	K	DALGNDVK V	
2245,207	0,0033	1	49,71	0,0009	K	VVRGPAPL\ L	
1464,7	-0,0109	1	38,17	0,012	R	YKIDEHDYC I	
1655,848	-0,0094	1	66,81	1.20E-05	A	TDLATEADI\ E	
1655,848	-0,0074	1	72,64	3.10E-06	A	TDLATEADI\ E	
1701,824	-0,0039	0	70,19	4.50E-06	R	MATDLATE\ R	
1701,824	-0,0038	0	62,05	2.90E-05	R	MATDLATE\ R	
1701,824	0,0027	0	77,03	1.00E-06	R	MATDLATE\ R	
1701,824	0,0058	0	77,9	8.20E-07	R	MATDLATE\ R	
1857,925	-0,0125	1	108,94	7.10E-10	R	MATDLATE\ E	
1857,925	-0,0066	1	56,53	0,00021	R	MATDLATE\ E	
2200,091	-0,0088	2	64,59	3.50E-05	R	MATDLATE\ N	
1248,624	-0,0067	0	61,58	8.00E-05	K	FLADLEGV\ T	
1478,737	-0,0185	0	63,13	4.80E-05	R	TNTEFIQVL\ L	
1478,737	-0,0116	0	53,7	0,00046	R	TNTEFIQVL\ L	
1478,737	-0,0021	0	64,21	4.20E-05	R	TNTEFIQVL\ L	
1631,806	0,001	0	48,12	0,00092	K	YHGLGNDF Q	
1719,916	0,0009	1	46,76	0,00099	R	TNTEFIQVL\ M	
1719,916	0,003	1	63,16	2.30E-05	R	TNTEFIQVL\ M	
1881,799	-0,016	0	38,12	0,0013	R	IFNSDGSEF C	
1881,799	-0,0074	0	88,35	1.40E-08	R	IFNSDGSEF C	
1881,799	-0,0071	0	72,91	5.00E-07	R	IFNSDGSEF C	
1881,799	-0,0046	0	43,4	0,00048	R	IFNSDGSEF C	
1897,794	-0,0095	0	66,87	1.90E-06	R	IFNSDGSEF C	Oxidation (I
1897,794	-0,0092	0	54,68	3.10E-05	R	IFNSDGSEF C	Oxidation (I
1973,131	-0,0026	0	49,42	0,00028	R	IHTLAGVITF V	
1620,793	-0,0037	0	51,3	0,00075	R	NNPANGIT\ P	
1913,026	-0,0047	0	43,4	0,0041	R	LIYSSQGIPI D	

1913,026	-0,0011	0	58,33	0,00013	R	LIYSSQGIPI D
1913,026	0,0023	0	65,97	2.10E-05	R	LIYSSQGIPI D
1913,026	0,0075	0	46,22	0,0018	R	LIYSSQGIPI D
2418,127	-0,013	0	171,3	2.10E-16	K	PAFLQVLECI
2418,127	-0,0124	0	136,63	6.10E-13	K	PAFLQVLECI
2633,254	-0,0073	0	39,05	0,0044	Y	SKPAFLQVLI
1178,597	-0,0074	0	46,39	0,0022	K	FGALGFDVII
1178,597	-0,0072	0	59,07	0,00012	K	FGALGFDVII
1178,597	-0,0072	0	68,59	1.40E-05	K	FGALGFDVII
1178,597	-0,0068	0	58,86	0,00013	K	FGALGFDVII
1999,031	-0,0077	1	82,32	6.90E-07	K	MDVAVQFF L
2044,939	-0,0289	0	34,58	0,0059	A	PGQEVDDY R
2044,939	-0,0004	0	50,54	0,00047	A	PGQEVDDY R
2105,924	-0,0112	0	58,48	1.90E-05	R	IRPAGEEQS -
2105,924	-0,0084	0	30,9	0,011	R	IRPAGEEQS -
2105,924	-0,0079	0	61,47	1.00E-05	R	IRPAGEEQS -
2105,924	-0,0066	0	35,19	0,0045	R	IRPAGEEQS -
2105,924	-0,006	0	34,69	0,005	R	IRPAGEEQS -
2105,924	-0,0042	0	35,24	0,0045	R	IRPAGEEQS -
2105,924	-0,0041	0	118,96	2.00E-11	R	IRPAGEEQS -
1417,71	-0,0043	0	53,1	0,00028	T	SSVVVYHH K
1518,758	-0,0064	0	44,49	0,004	V	TSSVVVYHI K
1518,758	-0,0025	0	59,2	0,00013	V	TSSVVVYHI K
1540,752	-0,0065	0	76,74	2.00E-06	K	AHFRPDEV -
1540,752	-0,0041	0	64,92	3.10E-05	K	AHFRPDEV -
1617,826	-0,0058	0	70,4	5.60E-06	R	VTSSVVVYI K
1617,826	0,0022	0	65,24	1.90E-05	R	VTSSVVVYI K
1646,853	-0,0122	1	60,48	0,0001	V	TSSVVVYHI T
1646,853	-0,0056	1	44,77	0,0037	V	TSSVVVYHI T
1745,921	-0,0132	1	55,76	0,00016	R	VTSSVVVYI T
1745,921	-0,0123	1	45	0,002	R	VTSSVVVYI T
1745,921	-0,0071	1	44,38	0,0021	R	VTSSVVVYI T
1745,921	-0,0065	1	51,34	0,00041	R	VTSSVVVYI T
1745,921	-0,0057	1	39,45	0,0064	R	VTSSVVVYI T
1745,921	-0,0005	1	38,46	0,0086	R	VTSSVVVYI T
1562,678	-0,007	0	45,62	0,00055	V	SFEPDESYI K
1570,814	-0,0069	0	71,45	8.10E-06	R	LGIQEVWLI F
1748,778	-0,0046	0	74,31	1.10E-06	K	SVSFEPDEI K
1748,778	-0,0002	0	61,67	2.30E-05	K	SVSFEPDEI K
1748,778	0,0028	0	90,9	2.80E-08	K	SVSFEPDEI K
2007,027	-0,0138	1	66,66	1.30E-05	K	KEHPDLAIE L
2007,027	-0,0117	1	47,59	0,00098	K	KEHPDLAIE L
2104,959	-0,013	0	80,32	2.00E-07	K	FSIYSLEGEI L
2104,959	-0,0104	0	94,3	8.20E-09	K	FSIYSLEGEI L
1562,678	-0,007	0	45,62	0,00055	V	SFEPDESYI K
1748,778	-0,0046	0	74,31	1.10E-06	E	SVSFEPDEI K
1748,778	-0,0002	0	61,67	2.30E-05	E	SVSFEPDEI K
1748,778	0,0028	0	90,9	2.80E-08	E	SVSFEPDEI K

1934,842	-0,0007	0	39,61	0,0022	K	GESVSFEPI K	Oxidation (I
2072,073	-0,0082	1	48,04	0,00094	K	KFSIYFLNG S	
2279,012	-0,0102	1	55,2	3.90E-05	R	ESKGESVSI K	
2279,012	-0,008	1	35,33	0,0039	R	ESKGESVSI K	
1115,62	-0,0042	0	47,25	0,00088	L	PAHQPVAQ Q	
1228,704	-0,0097	0	44,26	0,0024	V	LPAHQPVA Q	
1228,704	-0,004	0	44,59	0,0018	V	LPAHQPVA Q	
1398,735	-0,0088	0	57,54	0,0002	R	EQAEAEQV E	
1426,841	-0,0071	0	46,59	0,00068	K	VVLPAHQP Q	
1671,833	-0,008	0	82,45	3.10E-07	R	NPGQIASH V	
1936,895	-0,004	0	67,85	9.10E-06	R	LSCGDSPL A	
1936,895	-0,0021	0	68,51	8.20E-06	R	LSCGDSPL A	
2730,344	-0,0045	0	62,74	3.00E-05	R	AAQLMINN H	
2779,283	-0,0015	1	117,84	9.60E-11	R	ANGTDDIRI A	
1191,617	0,0006	0	55,75	0,00013	K	TLEMVVTG G	
1301,665	-0,0069	0	56,54	0,00013	K	DNMDALVC A	
1317,66	-0,0003	0	37,15	0,011	K	DNMDALVC A	
1656,763	-0,0073	0	86,75	1.00E-07	M	PSSSNSAAI A	
1656,763	-0,0065	0	54,83	0,00016	M	PSSSNSAAI A	
1656,763	-0,0024	0	41,22	0,0041	M	PSSSNSAAI A	
1656,763	-0,0009	0	127,63	9.60E-12	M	PSSSNSAAI A	
1792,82	-0,0103	0	66,17	6.00E-06	K	ICQHANE S	
1792,82	-0,0069	0	34,21	0,01	K	ICQHANE S	
2061,002	-0,011	1	37,12	0,0099	K	FDEMMAD Q	
2229,091	-0,0108	0	53,46	0,00043	R	QLLIQQSW T	
1383,747	-0,0077	0	67,3	9.40E-06	R	IDQLLNQQ I	
1383,747	-0,0056	0	76,96	1.10E-06	R	IDQLLNQQ I	
1383,747	-0,0037	0	49,8	0,00056	R	IDQLLNQQ I	
1715,823	0,0004	1	42,97	0,0022	R	NKVEIYDEV L	
1719,738	-0,0054	0	85,3	2.60E-08	V	DAEDSWE G	
1748,858	-0,0002	1	42,52	0,0061	L	PEIDEAVYK I	
1808,861	0,0001	0	66,51	1.90E-05	R	SESFMAEG A	
1822,885	0,0003	0	59,74	0,00011	R	GVNADGS H	
1822,885	0,0027	0	74,12	4.10E-06	R	GVNADGS H	
1932,849	-0,0053	0	59,81	2.40E-05	K	NVDAEDSV G	
2050,11	-0,0077	0	64,51	1.50E-05	K	EAPVIELE L	
1093,697	-0,0064	1	45,26	0,00011	K	LINLPIQKR D	
1093,697	-0,0048	1	44,42	9.80E-05	K	LINLPIQKR D	
1583,737	-0,0083	0	55,98	7.40E-05	R	WLADPGW G	
1583,737	-0,007	0	70,38	2.70E-06	R	WLADPGW G	
1583,737	-0,0016	0	57,84	5.40E-05	R	WLADPGW G	
1598,821	-0,003	0	73,22	5.50E-06	K	DVSWTAIF T	
1817,833	-0,0138	0	76,47	5.00E-07	K	TPAEVNQQ W	
1817,833	-0,012	0	63,61	1.00E-05	K	TPAEVNQQ W	
1817,833	-0,0088	0	55,34	7.10E-05	K	TPAEVNQQ W	
2573,334	0,0009	1	81,86	3.70E-07	R	SSEVLEEIE S	
1459,804	-0,0039	1	39,43	0,0052	I	GNINYPLV E	
1817,971	-0,0175	1	38,85	0,0077	K	MGGIGNIN E	



1817,971	-0,0013	1	35,79	0,014	K	MGGIGNIN' E	
1833,966	-0,0198	1	48,25	0,0016	K	MGGIGNIN' E	Oxidation (I
1833,966	-0,0003	1	37,26	0,01	K	MGGIGNIN' E	Oxidation (I
1946,066	-0,0118	2	40,29	0,0034	R	KMGGIGNII E	
2035,026	-0,0001	0	80,3	1.00E-06	Q	PAPDFTATA L	
2259,997	-0,0155	0	35,97	0,0062	R	HVQSHPNET	
2259,997	-0,0044	0	33,75	0,013	R	HVQSHPNET	
2319,175	-0,0077	0	132,09	6.70E-12	R	VGQPAPDF L	
2319,175	-0,0034	0	125,99	2.70E-11	R	VGQPAPDF L	
868,4403	-0,0121	0	38,27	0,012	I	PQTEAPAR T	
1208,579	-0,0079	1	47,68	0,0013	R	LRSDYVGD V	
1380,784	-0,0052	0	52,3	0,00028	Y	SANQALLV\ L	
1543,847	-0,0114	0	43,86	0,0021	Q	YSANQALL\ L	
1543,847	-0,0086	0	87,65	8.30E-08	Q	YSANQALL\ L	
1770,974	-0,0156	0	51,4	0,0006	K	VQYSANQA L	
1770,974	-0,0081	0	121,77	5.10E-11	K	VQYSANQA L	
1770,974	-0,0059	0	104	2.90E-09	K	VQYSANQA L	
1770,974	-0,0033	0	67,3	1.30E-05	K	VQYSANQA L	
1813,032	-0,0121	1	38,63	0,0069	Q	YSANQALL\ S	
2040,159	-0,0042	1	37,09	0,0042	K	VQYSANQA S	
1176,531	-0,0103	0	35,9	0,01	L	GDYGPTEFH V	
1260,613	-0,0131	0	53,26	0,00039	R	DNALLMET, F	
1387,782	-0,0053	1	52,35	0,0002	K	TTLQPGDRIA	
1387,808	-0,0041	0	68,49	2.20E-06	R	FTIPIIGVTG\ T	
1418,658	-0,01	0	63,12	2.70E-05	K	ELGDYGPTEV	
1624,894	-0,0008	0	89,24	8.00E-08	K	ELIAAVLSQ T	
1624,894	0,0001	0	76,64	1.40E-06	K	ELIAAVLSQ T	
1671,967	-0,0011	1	53,62	7.40E-05	R	QRFTEPIIGV T	
2187,07	-0,0063	0	80,39	8.80E-07	K	TLLELSPDH G	
2187,07	-0,0001	0	74,26	3.80E-06	K	TLLELSPDH G	
1243,579	-0,0083	1	41,93	0,0016	T	EDTRNPEE\ L	
1344,627	-0,0065	1	36,73	0,013	L	TEDTRNPE\ L	
1372,754	-0,0101	0	43,62	0,0042	N	PVVPSVYW A	
1381,714	-0,0093	1	61,37	3.20E-05	M	PEDWVGW D	
1381,714	-0,0092	1	39,85	0,0045	M	PEDWVGW D	
1381,714	-0,0068	1	62,35	2.60E-05	M	PEDWVGW D	
1512,755	-0,007	1	53,29	0,0005	L	MPEDWVG\ D	
1512,755	-0,0065	1	62,92	5.40E-05	L	MPEDWVG\ D	
1610,828	-0,0068	0	71,67	7.60E-06	R	ILMPEDWV K	
1625,839	-0,0065	1	48,1	0,00084	I	LMPEDWV( D	
1698,89	-0,0082	2	41,25	0,0086	K	LTEDTRNPE V	
1698,89	-0,0058	2	47,27	0,0021	K	LTEDTRNPE V	
1738,923	-0,0076	1	52,59	0,00052	R	ILMPEDWV D	
1738,923	-0,0044	1	75,91	2.40E-06	R	ILMPEDWV D	
1895,024	-0,02	2	46,29	0,0012	K	RILMPEDW D	
1902,821	-0,0118	0	38,54	0,002	Y	GFNYLQCC S	
1911,019	-0,0211	2	44,43	0,0019	K	RILMPEDW D	Oxidation (I
1241,734	-0,01	1	44,24	0,001	M	TLTVRVITP\ V	

1814,937	-0,0037	0	97,28	2.10E-08	K	VLVNGAELQ	
1814,937	-0,0005	0	68,61	1.60E-05	K	VLVNGAELQ	
1814,937	0,0024	0	102,68	5.90E-09	K	VLVNGAELQ	
1814,937	0,0043	0	119,94	1.10E-10	K	VLVNGAELQ	
2601,278	-0,0133	1	53,25	0,00025	R	QAYTAAQG A	
2601,278	-0,012	1	55,68	0,00014	R	QAYTAAQG A	
2601,278	-0,0026	1	39,58	0,0062	R	QAYTAAQG A	
1181,64	-0,0057	0	42,31	0,0019	S	VDIQGSHLQ	
1189,657	-0,0048	1	50,8	0,00036	R	RLEIQGVG\A	
1240,693	-0,007	1	45,31	0,0023	R	AVRPPEPYKQ	
1367,741	-0,0058	0	63,41	1.80E-05	K	VSVDIQGSIQ	
1514,794	-0,0103	0	76,18	3.00E-06	K	VENNTQVIL E	
1514,83	-0,0052	0	56,83	0,00017	K	VIVAQEGETQ	
1514,83	-0,0033	0	43,18	0,0039	K	VIVAQEGETQ	
1649,91	-0,01	1	104,57	1.30E-09	K	VSVDIQGSIQ	
1649,91	-0,0059	1	94,24	1.30E-08	K	VSVDIQGSIQ	
1721,841	-0,0006	0	42,74	0,0029	R	TLVANMVD R	Oxidation (I
2130,092	-0,0023	1	36,43	0,014	K	VIVAQEGETT	
1208,525	-0,0071	0	46,14	0,00066	L	PPHYFYDDIQ	
1208,525	-0,0051	0	34,6	0,0096	L	PPHYFYDDIQ	
1551,722	-0,0037	0	43,77	0,0014	R	FQGNFALD A	
1577,843	-0,0091	1	40,86	0,004	R	KFSLHANN Q	
2615,346	-0,0197	0	57,36	0,00011	R	LLSHPQSY\T	
2615,346	-0,013	0	36,32	0,014	R	LLSHPQSY\T	
2615,346	-0,0074	0	126,3	1.30E-11	R	LLSHPQSY\T	
2615,346	-0,0066	0	48,94	0,00074	R	LLSHPQSY\T	
2615,346	-0,0029	0	69,81	5.90E-06	R	LLSHPQSY\T	
2615,346	-0,0015	0	68,08	8.90E-06	R	LLSHPQSY\T	
2615,346	0	0	38,44	0,008	R	LLSHPQSY\T	
1211,645	-0,0095	0	64,62	1.40E-05	A	MATATAILH A	
1211,645	-0,0014	0	57,91	6.20E-05	A	MATATAILH A	
1282,682	-0,0083	0	66,7	2.00E-05	L	AMATATAIL A	
1282,682	-0,0052	0	58,82	0,00012	L	AMATATAIL A	
1298,677	-0,0086	0	47,34	0,002	L	AMATATAIL A	Oxidation (I
1509,809	-0,0027	0	94,62	1.30E-08	K	NLAMATAT\A	
1509,809	-0,002	0	55,69	0,00011	K	NLAMATAT\A	
1509,809	-0,0001	0	111,33	3.10E-10	K	NLAMATAT\A	
1525,804	-0,0033	0	78,56	7.30E-07	K	NLAMATAT\A	Oxidation (I
2017,883	-0,0224	1	37,24	0,0023	K	ETDINGDE\K	
2017,883	-0,0069	1	93,9	5.60E-09	K	ETDINGDE\K	
2017,883	-0,0062	1	66,84	2.90E-06	K	ETDINGDE\K	
2017,883	-0,0023	1	68,32	2.10E-06	K	ETDINGDE\K	
2145,977	-0,0119	1	95,2	1.30E-08	K	ETDINGDE\T	
2145,977	-0,0092	1	74,8	1.50E-06	K	ETDINGDE\T	
2145,977	-0,009	1	88,75	5.90E-08	K	ETDINGDE\T	
1252,62	-0,0026	0	45,92	0,0025	K	PPVADIGW S	
1375,721	-0,0079	1	40,83	0,0046	R	FSRVPNTEI F	
1389,689	-0,001	0	83,13	2.90E-07	V	PTILGFNAD F	

1556,699	-0,0116	0	74,13	1.30E-06	R	LGYEEDF M	Oxidation (I
1566,794	-0,0018	0	60,41	9.80E-05	R	WKPPVADI S	
1592,732	-0,0095	1	35,58	0,014	R	YNKDDENII -	
1592,732	-0,008	1	56,37	0,00012	R	YNKDDENII -	
1592,732	-0,0029	1	38,97	0,007	R	YNKDDENII -	
1592,732	0,001	1	43,02	0,003	R	YNKDDENII -	
1592,732	0,0202	1	44,39	0,003	R	YNKDDENII -	
1840,896	-0,0161	0	50,5	0,00039	R	FTHTAPGS F I	
1840,896	-0,0058	0	39,63	0,01	R	FTHTAPGS F I	
2124,043	-0,0053	0	58,61	7.20E-05	R	FGAYHGIEV L	
3240,551	0,0147	0	76,49	1.00E-06	R	AIMQSGTW F	
971,5553	-0,0095	0	46,69	0,0011	G	FVSHLLTR N	
1012,555	-0,0076	0	38,35	0,013	K	TTITHALEK K	
1028,577	-0,0128	0	44,18	0,0045	I	GFVSHLLTF N	
1140,65	-0,0059	1	37,57	0,012	K	TTITHALEK L	
1141,661	-0,0103	0	64,41	1.80E-05	R	IGFVSHLLTIN	
1141,661	-0,0067	0	50,48	0,00038	R	IGFVSHLLTIN	
1141,661	-0,0057	0	64,97	1.40E-05	R	IGFVSHLLTIN	
1333,625	-0,0058	0	57,16	6.50E-05	R	TDLEELDES I	
1333,625	-0,0028	0	69,55	4.00E-06	R	TDLEELDES I	
1691,848	-0,0052	1	40,57	0,005	R	DSGYRLEVIT	
1888,942	-0,0174	1	35,8	0,014	R	TDLEELDES L	
2226,274	-0,0024	1	50,43	0,00015	R	NGVIVLVSA H	
2226,274	-0,0011	1	46,42	0,00037	R	NGVIVLVSA H	
2249,165	0,0006	2	45,36	0,0016	R	DSGYRLEVIG	
2277,985	-0,0107	0	35,32	0,0039	K	GFTGIDDPY T	
2277,985	-0,0008	0	31,82	0,0091	K	GFTGIDDPY T	
3593,599	-0,0017	1	86,71	1.90E-08	K	GFTGIDDPY I	
971,544	0,0018	0	46,69	0,0011	F	FVSHLLEK F	
1101,53	-0,0071	0	48,52	0,00051	K	VLEDAAEA K	
1229,625	-0,0098	1	51,15	0,0004	K	VLEDAAEA K	
1229,625	-0,0056	1	62,71	2.80E-05	K	VLEDAAEA K	
1229,625	-0,004	1	46,84	0,0011	K	VLEDAAEA K	
1229,625	-0,0038	1	43,34	0,0024	K	VLEDAAEA K	
1285,724	-0,0068	1	65,81	1.30E-05	R	SNLEKVDQ V	
1285,724	-0,0026	1	67,85	7.30E-06	R	SNLEKVDQ V	
1357,72	-0,0025	2	44,73	0,002	K	VLEDAAEA K	
1663,901	-0,0033	0	57,25	7.20E-05	S	GDNLLLNTI H	
1750,933	-0,0033	0	53,5	0,00041	A	SGDNLLLN H	
1821,97	0,0001	0	50,58	0,00037	Q	ASGDNLLLI H	
2061,111	-0,016	2	80,5	4.40E-07	K	DLDLYRSNI V	
2061,111	-0,0159	2	52,76	0,00026	K	DLDLYRSNI V	
2166,103	-0,0061	0	50,91	0,00047	A	SEQASGDN H	
2177,169	-0,0214	2	35,62	0,013	K	RQDYLTRL S V	
2346,159	-0,0081	1	37,15	0,01	F	AIGLYTLIA R	
1141,525	-0,0096	0	36,04	0,0058	R	HALSDDELI I	
1212,621	-0,0093	1	52,03	0,00062	V	GGPQGDA I	
1303,688	-0,0092	0	54,85	0,00018	K	SGQLAYLRIT	

1303,688	-0,008	0	60,43	5.40E-05	K	SGQLAYLRIT	Acetyl (N-ter)
1311,69	-0,0031	1	80,44	4.30E-07	V	VGGPQGD/I	
1370,719	-0,0061	1	53,63	0,00052	R	KIIVDTYGG'H	
1429,731	-0,0036	0	36,99	0,011	K	FVVGGPQCK	
1708,794	-0,0169	0	90,87	4.30E-08	R	YLFTSESVTIV	
1708,794	-0,0063	0	60	6.50E-05	R	YLFTSESVTIV	
1708,794	-0,0038	0	58,22	9.90E-05	R	YLFTSESVTIV	
1864,896	-0,0003	1	37,28	0,0087	K	RYLFTSESVV	
3257,567	0,0022	0	45,46	0,0012	K	IGAGDQGLI	
1196,724	-0,0046	0	59,92	2.60E-05	R	VLAILGGGL	
1375,673	-0,0017	0	55,05	0,00016	T	DFSEKPQGA	
1375,673	0,0001	0	40,68	0,0043	T	DFSEKPQGA	
1375,673	0,0013	0	56,1	0,00012	T	DFSEKPQGA	
1476,721	-0,0062	0	39,4	0,011	I	TDFSEKPQ(A	
1497,797	-0,0064	1	48,02	0,00082	K	APELGLMKII	
1547,787	0	0	83,77	2.50E-07	R	AMQVDTSV A	
1589,805	-0,0075	0	59,88	6.00E-05	R	ITDFSEKPQ A	
1590,706	-0,0008	0	90,45	3.00E-08	K	DNPDWFAQI Q	
1742,943	-0,0057	1	42,49	0,0048	K	LNPIASMC E	
1942,075	-0,0013	2	36,92	0,0071	K	AKLNPIAS E	
2062,037	-0,0165	1	55,61	0,00032	K	EVLHNLLEK E	
2068,252	-0,0032	2	37,68	0,002	K	RVLAILGG(L	
1393,699	-0,0062	0	59,57	5.80E-05	T	PGAIGYVQI R	
1457,788	-0,0043	0	37,99	0,0088	P	TAGGAVAV' K	
1475,726	-0,0048	0	49,23	0,00066	K	AGQYVEPS A	
1475,726	-0,0037	0	51,53	0,00038	K	AGQYVEPS A	
1622,805	0,0011	0	44,12	0,0043	K	QTPGAIGY\ R	
1640,925	-0,0046	1	84,29	2.00E-07	V	PTAGGAVA' V	
1640,925	0,0016	1	54,2	0,00019	V	PTAGGAVA' V	
1658,842	-0,0088	0	74,73	4.10E-06	K	IGASQDPN' G	
1718,874	-0,0044	0	46,21	0,0029	A	GTLNGAGA Y	
1718,874	-0,0031	0	94,52	4.20E-08	A	GTLNGAGA Y	
1736,844	-0,0121	0	51,74	0,00064	K	ATGNTVNYI Q	
1649,801	-0,0101	0	106,94	9.50E-10	R	VVALSGGY' L	
1649,801	-0,0086	0	108,62	6.80E-10	R	VVALSGGY' L	
1649,801	-0,0035	0	106,48	1.10E-09	R	VVALSGGY' L	
1649,801	-0,0015	0	42,68	0,0027	R	VVALSGGY' L	
1649,801	-0,0015	0	95,21	1.50E-08	R	VVALSGGY' L	
2498,222	-0,0037	0	43,94	0,0021	K	LTLPEQDNIV	
1089,604	-0,003	1	40,92	0,0029	M	TRVAINGFC I	
1369,757	-0,006	0	41,56	0,0035	R	AAAVNIVPT A	
1760,843	-0,0088	0	75,7	2.20E-06	K	LDADISADE T	
1760,843	-0,0045	0	108,7	1.10E-09	K	LDADISADE T	
1785,811	-0,0072	0	62,45	1.20E-05	K	VIAWYDNE' V	
1785,811	-0,0063	0	71,71	1.50E-06	K	VIAWYDNE' V	
1816,911	-0,0013	0	49,96	0,0011	K	GPNIPTYV\ H	
1844,875	-0,0114	0	44,97	0,0022	R	TDSQLEVV( T	
1844,875	-0,011	0	73,45	3.00E-06	R	TDSQLEVV( T	

2668,292	0,007	1	39,28	0,012	K	VINDNFGIII I	
1337,705	-0,0064	0	50,77	0,00032	K	HVDIIVAGG L	
1482,732	-0,0083	0	76,05	2.30E-06	K	GPEPEGVT T	
1848,849	-0,0015	0	67,36	9.90E-06	K	TDADGNPV Y	
1984,023	-0,0002	0	46,19	0,0014	R	QQETNLGN T	
2160,209	-0,0033	0	70,68	2.00E-06	K	VVLLAHMQ L	
3162,547	-0,0066	1	64,97	1.50E-05	R	AGDSAQGI Y	
3162,547	-0,0014	1	48,61	0,00066	R	AGDSAQGI Y	
3162,547	0,0018	1	104,19	1.80E-09	R	AGDSAQGI Y	
969,5971	-0,0041	1	39,97	0,0023	K	RVIISAPSK D	
1818,897	-0,0015	0	57,36	0,0002	K	IVSNASCTT I	
1873,02	-0,011	1	67,91	1.50E-05	R	VPTPNVSV A	
2116,059	-0,0188	0	105,25	2.90E-09	K	IPTFVVGVI I	
2116,059	-0,0158	0	126,58	2.20E-11	K	IPTFVVGVI I	
2116,059	-0,014	0	73,68	4.40E-06	K	IPTFVVGVI I	
2116,059	0,0113	0	46,75	0,0021	K	IPTFVVGVI I	
1292,786	-0,0085	0	38,02	0,0018	K	KPAVLWIIPI E	
1292,786	-0,0084	0	47,3	0,0002	K	KPAVLWIIPI E	
1401,758	-0,0065	1	74,36	1.80E-06	R	QLGQTSTK Q	
1401,758	-0,0055	1	63,18	2.50E-05	R	QLGQTSTK Q	
1416,721	-0,0114	0	84,44	4.30E-07	R	GELTAGLE C G	
1416,721	-0,0039	0	81,93	7.40E-07	R	GELTAGLE C G	
1482,678	-0,0042	0	38,05	0,0084	K	PANSYIEFW L	
1724,833	0,0034	0	60,26	9.00E-05	L	PMAALFDG Y	
1754,826	-0,0057	0	88,88	8.80E-08	R	SGKPANSY L	
1894,939	-0,0047	0	42,77	0,0055	R	GLPMAALFI Y	
2170,146	-0,0189	0	61,1	9.20E-05	-	MIAPDSSPI L	
2212,156	-0,0078	0	67,93	9.10E-06	-	MIAPDSSPI L	Acetyl (N-te
2255,18	-0,0147	1	58,43	8.70E-05	R	LLEFPAGTV E	
2255,18	-0,0082	1	92,32	3.30E-08	R	LLEFPAGTV E	
2255,18	-0,0054	1	40,8	0,0081	R	LLEFPAGTV E	
2255,18	-0,0036	1	83,93	2.30E-07	R	LLEFPAGTV E	
2255,18	0,0018	1	130,82	4.60E-12	R	LLEFPAGTV E	
1187,626	-0,0074	0	70,4	5.60E-06	R	TAQLNGQI Q	
1187,626	-0,0069	0	63	2.90E-05	R	TAQLNGQI Q	
1213,703	-0,0087	1	46,16	0,001	K	LVRQEVLT E M	
1259,615	-0,0069	0	41,27	0,0037	D	PNNYVDPS L	
1343,793	-0,0005	1	32,94	0,0076	K	LELLQAGGI A	
1514,686	-0,006	0	44,91	0,0014	E	QFDAVAN C L	
1643,729	-0,0097	0	43,66	0,0007	I	EQFDAVAN L	
1756,813	-0,0025	0	36,77	0,012	L	IEQFDAVAN L	
1756,813	0,0062	0	71,29	5.10E-06	L	IEQFDAVAN L	
1940,934	-0,012	0	39	0,0053	R	ALIEQFDAV L	
1940,934	-0,0079	0	60,62	3.80E-05	R	ALIEQFDAV L	
1940,934	-0,0063	0	49,19	0,0011	R	ALIEQFDAV L	
1940,934	-0,0009	0	66,29	2.10E-05	R	ALIEQFDAV L	
1182,528	-0,0086	0	52,48	0,00019	R	FWFANPDM L	
1182,528	-0,0058	0	46,37	0,00086	R	FWFANPDM L	

1493,747	-0,0068	0	51,43	0,00039	I	PDEDNPQCE	Oxidation (I
1493,747	-0,0065	0	96,95	1.00E-08	I	PDEDNPQCE	
1653,692	-0,0046	0	41,71	0,00049	R	FGGFNTATV	
1653,692	-0,004	0	56,2	1.70E-05	R	FGGFNTATV	
1653,692	-0,0021	0	56,84	1.60E-05	R	FGGFNTATV	
1669,687	-0,0048	0	30,06	0,0057	R	FGGFNTATV	
1846,788	-0,0151	1	27,52	0,012	-	MDAMEFFF S	
2136,034	-0,0102	1	40,76	0,0039	R	RAETGTSEI I	
2136,034	-0,0007	1	36,47	0,011	R	RAETGTSEI I	
2369,063	-0,014	1	65,61	6.80E-06	R	VKEENTVS/ -	
2369,063	-0,0069	1	33,86	0,012	R	VKEENTVS/ -	
2369,063	-0,005	1	44,49	0,001	R	VKEENTVS/ -	
2369,063	-0,004	1	35,29	0,0087	R	VKEENTVS/ -	
1342,605	-0,0071	0	39,67	0,0042	Q	PNWDDIYQ G	
1465,731	0,002	0	39,96	0,0047	R	IDIHPTHAIL	
1628,733	0,0066	0	60,27	4.70E-05	W	GTQPNWDI G	
1814,813	-0,0211	0	58,39	2.20E-05	V	WGTQPNW G	
2017,874	-0,0144	0	29,04	0,012	R	MEGPNNFC V	
2017,874	-0,0063	0	51,44	7.80E-05	R	MEGPNNFC V	
2028,908	-0,0129	0	69,75	3.60E-06	R	DVWGTQPI G	
2527,199	-0,0119	1	60,01	7.00E-05	K	VVSGRDVM G	
3748,547	-0,0046	0	50,91	3.60E-05	K	HNYANGEN L	
3748,547	-0,0021	0	87,25	8.50E-09	K	HNYANGEN L	
1193,604	-0,0099	0	47,17	0,00092	K	VGSQVFDS G	
1193,604	-0,0081	0	43,43	0,0022	K	VGSQVFDS G	
1343,73	-0,0104	2	56,4	0,00012	V	LSSPVVKDE S	
1386,735	-0,0121	0	50,1	0,0011	K	QLTGAQAV V	
1647,869	-0,0059	1	40,55	0,0049	K	VGSQVFDS R	
1926,031	-0,0188	2	77,81	9.30E-07	S	PDLSAVLS S	
1926,031	-0,0081	2	51,42	0,0004	S	PDLSAVLS S	
2896,565	-0,0006	2	102,51	4.10E-09	R	SLLTLLQDS S	
2896,565	0,0007	2	105,12	2.20E-09	R	SLLTLLQDS S	
1117,54	-0,0094	0	44,45	0,0016	A	PTFSAPNAE T	
1500,795	-0,0055	0	43,45	0,0051	N	PQGNIAHIV	
1614,838	-0,0125	0	42,93	0,0058	I	NPQGNIAH V	
2114,028	-0,0068	0	75,75	1.20E-06	M	ATALETNQF T	
2114,028	-0,0065	0	50,69	0,0004	M	ATALETNQF T	
2114,028	-0,0057	0	113,53	2.10E-10	M	ATALETNQF T	
2114,028	-0,0035	0	62,18	2.90E-05	M	ATALETNQF T	
2844,456	-0,0012	1	76,96	1.10E-06	K	HNLTVQLL F	
1338,693	-0,0014	1	64,85	3.00E-05	L	SASDFPARI G	
1351,735	-0,0069	0	46,82	0,00076	K	TPQETPQPI K	
1351,735	-0,0054	0	43,17	0,0018	K	TPQETPQPI K	
1351,735	-0,0016	0	54,31	0,00013	K	TPQETPQPI K	
1479,83	-0,0139	1	45,6	0,00088	K	TPQETPQPI G	
1479,83	-0,0098	1	45,99	0,0008	R	KTPQETPQI K	
1479,83	-0,0065	1	56,38	7.10E-05	R	KTPQETPQI K	
1550,846	-0,0053	1	46,62	0,0016	R	VLSASDFP/ G	

1607,925	-0,0049	2	40,19	0,0022	R	KTPQETPQIG	
2280,273	-0,0114	1	61,02	2.30E-05	V	PFVEAIVPTIT	
2280,273	-0,0097	1	83,76	1.20E-07	V	PFVEAIVPTIT	
2720,536	0,0045	1	38,23	0,0021	K	EVLVPFVEAT	
1067,561	-0,0118	0	50,72	0,00028	K	GELVHAVTIA	
1067,561	-0,0073	0	51,77	0,00022	K	GELVHAVTIA	
1067,561	-0,0052	0	42,38	0,0019	K	GELVHAVTIA	
1131,614	-0,0072	1	45,96	0,0013	K	EQLGESITKE	
1195,656	-0,0047	1	51,33	0,00024	N	KGELVHAVIA	
1281,672	-0,01	0	66,43	9.20E-06	K	VTLVGFGSIE	
1281,672	-0,0076	0	44,83	0,0014	K	VTLVGFGSIE	
1309,699	-0,008	1	68,33	5.70E-06	M	NKGELVHAA	
1330,746	-0,0065	2	46,47	0,0016	K	AKEQLGESIE	
1330,746	-0,0056	2	46,53	0,0016	K	AKEQLGESIE	
1330,746	-0,0012	2	37,47	0,013	K	AKEQLGESIE	
1440,74	-0,0063	1	78,62	1.50E-06	-	MNKGELVIA	
1139,666	-0,0107	1	42,42	0,0017	K	LGIPLSEQKL	
1139,666	-0,0076	1	38,43	0,0038	K	LGIPLSEQKL	
1302,574	-0,0094	0	38,09	0,0037	K	CPMELSTYII	
1424,676	-0,0013	1	56,07	0,00019	K	KNEPEFMLIL	
1564,789	-0,0014	0	89,33	1.30E-07	K	YGFVTNIEAG	
1564,789	0,0011	0	51,09	0,00088	K	YGFVTNIEAG	
1730,754	-0,0107	0	61,33	1.30E-05	K	YSTVQNWYG	
1836,901	0,0002	0	44,39	0,0039	R	AAANTFPYIIV	
2203,162	-0,0226	2	48,07	0,0017	K	KKLESLDEVL	
2203,162	-0,0208	2	48,91	0,0014	K	KKLESLDEVL	
2710,266	0,0026	1	90,34	6.90E-08	K	YSTVQNWYR	
1135,61	-0,0131	0	45,22	0,0013	R	QALAAELHIE	
1584,826	-0,0043	0	62,51	6.10E-05	Q	PSYQVTLHIS	
1662,821	-0,0016	0	63,08	5.40E-05	K	TTTLDESTSIF	
2288,155	-0,0169	0	91,16	4.70E-08	R	GNYIQQPS'S	
2288,155	-0,0113	0	87,87	9.90E-08	R	GNYIQQPS'S	
2288,155	-0,0105	0	106,94	1.20E-09	R	GNYIQQPS'S	
2288,155	-0,0062	0	42,25	0,0036	R	GNYIQQPS'S	
1275,592	-0,0066	0	41,06	0,0023	K	QAHFDLAMT	
1467,805	-0,0046	1	54,45	0,00014	R	RVSVPPIAIQII	
1808,844	-0,004	0	69,92	6.50E-06	R	NPAEWDTCR	
1982,933	0,0061	0	110,24	7.60E-10	K	TEAQFYSDCN	
1982,933	0,0081	0	105,66	2.20E-09	K	TEAQFYSDCN	
1982,933	0,0105	0	78,62	1.20E-06	K	TEAQFYSDCN	
1198,562	-0,008	0	41,35	0,0044	I	PGSLYNTEYT	
1551,724	-0,0078	0	46,33	0,00079	R	VMTNDPTYF	
1551,724	-0,002	0	53,77	0,00015	R	VMTNDPTYF	
1567,719	-0,0094	0	51,55	0,00017	R	VMTNDPTYF	
2089,004	-0,004	0	66,2	2.10E-05	K	YGSVVTTVYG	
2089,004	0,0009	0	75,18	2.70E-06	K	YGSVVTTVYG	
2410,155	-0,0043	0	89,45	5.00E-08	R	NTSVPFGAIT	
2410,155	-0,0034	0	75,31	1.40E-06	R	NTSVPFGAIT	

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1577,83	-0,0071	0	57,32	9.80E-05	G	GTAVSPVG Q
1577,83	-0,0057	0	72,04	3.30E-06	G	GTAVSPVG Q
1577,83	-0,0039	0	43,81	0,0022	G	GTAVSPVG Q
1577,83	-0,0025	0	75,14	1.70E-06	G	GTAVSPVG Q
1577,83	-0,0024	0	42,85	0,0028	G	GTAVSPVG Q
1932,057	-0,0107	0	35,43	0,012	A	AILGGTAVS Q
3462,565	-0,0005	0	68,84	2.40E-06	K	QEVPEVPAI E
3462,565	0,0146	0	98,67	2.70E-09	K	QEVPEVPAI E
3462,565	0,0194	0	51,84	0,00014	K	QEVPEVPAI E
2743,312	-0,0057	0	49,41	0,00095	P	MEAGQQFL F
2743,312	0,0002	0	72,64	4.90E-06	P	MEAGQQFL F
2743,312	0,0015	0	116,49	2.00E-10	P	MEAGQQFL F
2840,365	-0,006	0	90,56	3.60E-08	M	PMEAGQQF F
2840,365	-0,0026	0	97,22	7.90E-09	M	PMEAGQQF F
1069,577	-0,0088	0	48,4	0,00057	V	PATIEEIAAR E
1168,645	-0,0066	0	61,05	5.80E-05	K	VPATIEEIAA E
1168,645	-0,0053	0	83,45	3.80E-07	K	VPATIEEIAA E
1168,645	-0,0034	0	61,58	5.70E-05	K	VPATIEEIAA E
1882,016	-0,0163	1	58,97	0,00012	K	VPATIEEIAA G
1882,016	-0,0143	1	89,45	1.10E-07	K	VPATIEEIAA G
2532,083	-0,0055	0	80,08	7.80E-08	K	NGQYEYDC L
1450,749	-0,0031	1	39,66	0,011	K	SGSMSIIEP S
1464,757	-0,0055	1	43,49	0,0049	M	SNQRDYTLI S
1886,037	-0,0194	2	54,5	0,00017	K	SRWELVQE C
1886,037	-0,0147	2	52,04	0,00026	K	SRWELVQE C
1886,037	-0,0097	2	52,06	0,00025	K	SRWELVQE C
1887,867	-0,0028	0	72,4	1.60E-06	K	CDQLDANC F
2226,076	0,0081	0	43,83	0,0022	K	SNQAPTGE R
2382,178	-0,0089	1	48,4	0,00076	K	SNQAPTGE S
2382,178	-0,0043	1	80,98	4.20E-07	K	SNQAPTGE S
2382,178	-0,003	1	59,31	6.20E-05	K	SNQAPTGE S
2382,178	-0,0008	1	71,29	4.00E-06	K	SNQAPTGE S
1186,598	-0,0095	0	49,62	0,0012	L	VESFLEHG/ V
1219,681	-0,0051	1	79,33	3.70E-07	R	KLESAAFLV Y
1219,681	-0,0034	1	67,93	5.00E-06	R	KLESAAFLV Y
1284,751	-0,0086	1	42,69	0,0023	K	TVLVTGANF V
1333,597	-0,002	0	45,64	0,00061	K	SFCNVATY? A
1398,751	-0,0086	0	56,48	0,00025	K	VLVESFLEH V
1398,751	-0,0031	0	53,6	0,00044	K	VLVESFLEH V
1659,894	-0,0008	0	51,87	0,00031	K	ANGGGAFV S
2842,44	-0,0003	0	44,07	0,0043	R	EVLAGQGT A
3557,919	-0,0029	0	90,49	2.20E-08	K	IVPILIDLAD V
1164,614	-0,0069	0	62,4	5.70E-05	V	LPTIDNLDH W
1164,614	-0,0065	0	58,72	0,00013	V	LPTIDNLDH W
1235,594	-0,0059	0	48,02	0,00067	K	WYVIDAEG L
1270,761	-0,0053	1	64,07	7.80E-06	R	LATEVATILF N
1364,73	-0,0058	0	69,51	1.10E-05	K	TVLPTIDNLI W
1364,73	-0,0056	0	39,27	0,011	K	TVLPTIDNLI W



1364,73	-0,0025	0	52,56	0,00051	K	TVLPTIDNLIW	
2752,393	-0,0098	0	56,72	0,00024	K	VYAGPSHP	-
2752,393	-0,0079	0	56,26	0,00027	K	VYAGPSHP	-
2752,393	-0,007	0	58,7	0,00015	K	VYAGPSHP	-
2752,393	-0,0068	0	49,58	0,0012	K	VYAGPSHP	-
1316,651	-0,0057	0	57,25	0,00019	I	PTAQATNLID	
1469,784	-0,0042	0	39,68	0,0061	R	LGVALAQAIR	
1469,784	-0,0025	0	76,96	1.20E-06	R	LGVALAQAIR	
1625,885	-0,0082	1	44,59	0,0018	R	LGVALAQAIL	
1774,828	-0,0098	0	51,61	0,00037	R	GDYQESWQ	
1774,828	-0,0037	0	68,94	7.90E-06	R	GDYQESWQ	
2283,136	-0,01	0	66,12	2.50E-05	K	GQSVVNNF	G
2283,136	-0,0055	0	42,82	0,0029	K	GQSVVNNF	G
2283,136	-0,0017	0	89,84	1.10E-07	K	GQSVVNNF	G
1110,505	-0,0098	0	36,01	0,011	K	SATMMIDAQ	
1153,587	-0,0077	0	43,48	0,0015	K	LTDTFETSLIL	
1153,587	-0,007	0	45,37	0,00092	K	LTDTFETSLIL	
1499,748	-0,0014	1	66,45	1.20E-05	K	KFFSTWME	G
1752,915	-0,0054	1	62,29	6.20E-05	K	GTAEIKLTD	L
1752,915	-0,0016	1	59,43	0,00012	K	GTAEIKLTD	L
1752,915	-0,0005	1	64,6	3.50E-05	K	GTAEIKLTD	L
1854,915	0,0035	1	46,13	0,0026	F	FEEYQTQLL	F
2001,984	-0,0069	1	69,6	5.80E-06	Q	FFEEYQTQL	F
2011,018	-0,0217	1	51,36	0,00072	K	LTDTFETSLIS	
2011,018	-0,0146	1	52,12	0,0006	K	LTDTFETSLIS	
1196,677	-0,0042	0	57,12	0,00012	R	EAIANATPLA	
1196,677	-0,0026	0	41,78	0,0041	R	EAIANATPLA	
1301,695	-0,0031	1	59,27	7.30E-05	-	MRLVMLGCS	
1915,943	-0,0004	0	79,51	6.00E-07	R	LVQEDGGCT	
1915,943	0,0063	0	65,56	1.50E-05	R	LVQEDGGCT	
1915,943	0,0084	0	36,91	0,012	R	LVQEDGGCT	
1915,943	0,0084	0	50,8	0,00048	R	LVQEDGGCT	
1931	-0,003	0	92,47	6.20E-08	K	QNLLTVNA	L
2141,12	-0,0028	1	37,05	0,011	R	IGKFHEYTV	Q
1200,687	-0,0131	0	68,75	9.80E-06	N	PLYEQLIGL	F
1200,687	-0,0119	0	52,91	0,00036	N	PLYEQLIGL	F
1200,687	-0,008	0	70,59	5.30E-06	N	PLYEQLIGL	F
1255,63	-0,0093	0	64,49	1.30E-05	T	PAELLEGLC	E
1356,677	-0,0094	0	65,17	2.90E-05	I	TPAELLEGL	E
1427,814	-0,0047	0	71,35	2.70E-06	K	LNPLYEQLI	F
1427,814	-0,0012	0	89,37	3.90E-08	K	LNPLYEQLI	F
2216,096	0,0004	1	43,23	0,0028	T	PAELLEGLC	T
1074,63	-0,0077	0	45,97	0,0011	Q	RPPSGVPPI	T
1202,688	-0,0048	0	37,31	0,0094	F	QRPPSGVP	T
1257,643	-0,008	0	39,51	0,0056	E	TGRPQSQD	F
1257,643	-0,0063	0	64,92	1.70E-05	E	TGRPQSQD	F
1257,643	-0,006	0	55,91	0,00013	E	TGRPQSQD	F
1257,643	-0,0016	0	50,45	0,00048	E	TGRPQSQD	F

Oxidation (I

1349,757	-0,0059	0	53,46	0,00012	R	FQRPPSGV T	
1349,757	-0,0045	0	33,32	0,012	R	FQRPPSGV T	
1349,757	-0,0012	0	42,93	0,0012	R	FQRPPSGV T	
1386,685	-0,0056	0	39,12	0,013	F	ETGRPQSQ F	
1386,685	-0,0046	0	54,61	0,00037	F	ETGRPQSQ F	
1386,685	-0,0033	0	45,94	0,0027	F	ETGRPQSQ F	
1533,754	-0,0186	0	40,52	0,0077	F	FETGRPQSQ F	
1767,854	-0,0074	0	45,88	0,0025	R	SFFETGRPC F	
1767,854	-0,006	0	52,53	0,00026	R	SFFETGRPC F	
1593,819	-0,0067	0	66,6	1.20E-05	R	VLMLAGDS S	
1593,819	-0,0016	0	39,01	0,0069	R	VLMLAGDS S	
1609,813	-0,0112	0	40,81	0,0044	R	VLMLAGDS S	Oxidation (I
1885,878	-0,0067	0	64,38	1.10E-05	K	DLAIMCGSI Q	
1885,878	-0,0065	0	55,59	8.30E-05	K	DLAIMCGSI Q	
2331,088	-0,0067	1	65,68	8.90E-06	R	EGIIESQHM V	
2922,364	-0,0132	0	69,68	3.20E-06	R	ADIEPQALC H	
2922,364	0,0047	0	83,43	1.60E-07	R	ADIEPQALC H	
1671,774	-0,0092	0	69,45	3.10E-06	R	QATNDQYC L	
1671,774	-0,0039	0	90,72	2.50E-08	R	QATNDQYC L	
1731,883	-0,0001	0	69,87	6.40E-06	V	AAPTAGLHI L	
2536,206	-0,0087	0	43,7	0,0033	K	YLSSYDYHI D	
2536,206	-0,0042	0	95,7	2.20E-08	K	YLSSYDYHI D	
2536,206	-0,0027	0	58,16	0,00012	K	YLSSYDYHI D	
1097,667	-0,0032	1	32,93	0,0098	V	IATGGGVVI Q	
1283,767	-0,0059	1	34,1	0,0079	R	SVIATGGG\ Q	
1502,809	-0,0068	0	80,16	9.90E-07	K	STVGPLLAE F	
1502,809	-0,0059	0	94,62	3.40E-08	K	STVGPLLAE F	
1502,809	-0,0052	0	88,66	1.30E-07	K	STVGPLLAE F	
2108,086	-0,0148	0	92,81	3.10E-08	R	LQGDEARP L	
2108,086	-0,0103	0	52,64	0,00032	R	LQGDEARP L	
1251,682	-0,0114	0	37,95	0,0055	I	PVPGAIQN\ A	
1463,835	-0,0027	0	53,34	8.20E-05	R	VIPVPGAIQ A	
1494,745	-0,0072	0	68,23	1.50E-05	K	AELTETEEA\ L	
1494,745	-0,0041	0	50,22	0,001	K	AELTETEEA\ L	
1619,936	-0,0075	1	35,53	0,0042	R	RVIPVPGAI\ A	
1696,961	-0,0043	1	35,33	0,014	Y	DAGILTLTL\ N	
2045,104	-0,0052	1	98,37	1.10E-08	K	ANYDAGILT N	
2045,104	0,0022	1	97,56	1.20E-08	K	ANYDAGILT N	
1227,625	-0,0133	0	49,92	0,00042	I	PHDITGGF\ D	
1266,65	-0,005	0	58,32	0,00015	R	IVYDFPDTG L	
1744,9	-0,0023	0	59,47	0,00013	K	VGSVLEDQ G	
1805,891	-0,0146	0	52,02	0,00032	A	TLDNQNIYT G	
1805,891	-0,0104	0	42,17	0,0033	A	TLDNQNIYT G	
1975,996	-0,005	0	45,81	0,0016	A	VATLDNQN G	
2246,082	-0,0122	0	61,66	3.00E-05	R	FEGIDNLD\ E	
2246,082	-0,0081	0	37,08	0,0088	R	FEGIDNLD\ E	
2389,199	-0,0095	1	60,87	9.30E-05	A	TLDNQNIYT I	
2559,304	-0,0147	1	53,61	0,00026	A	VATLDNQN I	

1150,671	-0,0051	0	34,18	0,013	R	HVVSTTPVL	L	
1699,857	-0,0032	0	39,93	0,0059	K	VFTTLGANF	T	
1699,857	0,0027	0	100,87	4.80E-09	K	VFTTLGANF	T	
1699,857	0,0033	0	63,23	2.90E-05	K	VFTTLGANF	T	
1751,873	0,0018	1	47,22	0,00098	K	DDPAYVEQ	E	
1751,873	0,0054	1	50,43	0,00045	K	DDPAYVEQ	E	
1751,873	0,0079	1	39,89	0,0054	K	DDPAYVEQ	E	
1751,873	0,0123	1	72,08	3.30E-06	K	DDPAYVEQ	E	
2025,964	0,0003	0	48,55	0,00062	R	AQENLPEAI	V	
1332,694	-0,0062	0	55,02	0,00038	L	TAINQYFLH	M	
1445,778	-0,0008	0	64,81	1.50E-05	Q	LTAINQYFLI	M	
1611,768	-0,0008	0	39,87	0,004	K	NWGLNALI	V	
1611,768	0,0009	0	71,44	2.90E-06	K	NWGLNALI	V	
1686,921	-0,0028	0	100,97	6.50E-09	K	LQLTAINQY	M	
1686,921	0,0002	0	107,86	1.20E-09	K	LQLTAINQY	M	
1135,715	-0,0071	0	29,07	0,0041	R	LMVLVAHLI	W	
1135,715	-0,0047	0	27,42	0,0061	R	LMVLVAHLI	W	
1151,71	-0,0067	0	37,63	0,0015	R	LMVLVAHLI	W	Oxidation (I
1534,672	-0,0083	0	62,32	1.30E-05	R	LDEAMAES'	D	
1534,672	-0,0056	0	60,21	2.30E-05	R	LDEAMAES'	D	
1550,667	-0,0102	0	31,36	0,012	R	LDEAMAES'	D	Oxidation (I
1550,667	-0,0074	0	41,58	0,0012	R	LDEAMAES'	D	Oxidation (I
1550,667	-0,0014	0	53,93	7.90E-05	R	LDEAMAES'	D	Oxidation (I
1777,805	-0,0127	1	34,07	0,0082	K	SRLDEAMA	D	
1777,805	-0,0012	1	36,95	0,0053	K	SRLDEAMA	D	
1777,805	0,0016	1	118,89	3.40E-11	K	SRLDEAMA	D	
1142,604	-0,0078	0	45,09	0,0036	S	PSANQGTI	A	
1181,514	-0,0134	1	46,92	0,00024	V	CGDFVGD	E	G
1280,582	-0,0103	1	44,69	0,0014	F	VCGDFVGD	E	G
1301,734	-0,0183	1	40,35	0,0043	K	DGQTIPFKL	K	
1301,734	-0,0051	1	46,31	0,00073	K	DGQTIPFKL	K	
1328,668	-0,0059	0	76,5	2.50E-06	K	GIDLNSQD	L	
1328,668	-0,0038	0	56,42	0,00025	K	GIDLNSQD	L	
1553,794	-0,0065	0	75,19	1.60E-06	K	DAETVLVG	I	F
1553,794	-0,0059	0	65,62	1.40E-05	K	DAETVLVG	I	F
1553,794	0,0007	0	64,54	1.80E-05	K	DAETVLVG	I	F
1716,81	-0,0252	0	41,16	0,0039	P	EMNASPSA	A	Acetyl (N-te
1141,588	-0,0098	0	45,31	0,0012	R	LGSVSFHPI	N	
1141,588	-0,0056	0	89,19	5.70E-08	R	LGSVSFHPI	N	
1236,562	0,0015	0	61,98	3.90E-05	R	LNDVDFSQ	L	
1457,799	-0,0018	0	51,94	0,00031	K	EPLFTVTRP	N	
1609,915	-0,0058	1	54,22	0,00011	A	RSVNQSPI	C	S
2149,029	-0,0142	1	50,65	0,00067	R	IIETDQGR	L	I
2149,029	-0,0131	1	42,84	0,0043	R	IIETDQGR	L	I
2149,029	-0,0068	1	102,66	4.80E-09	R	IIETDQGR	L	I
1673,783	-0,0098	0	39,43	0,0036	R	QLEIHCLEC	Q	
1673,783	-0,0075	0	82,14	1.90E-07	R	QLEIHCLEC	Q	
2457,225	-0,0063	0	100,61	5.10E-09	R	IAYYGQQL	E	

2457,225	-0,0056	0	50,72	0,0009	R	IAYYGQQL E	
2457,225	-0,0019	0	47,07	0,0012	R	IAYYGQQL E	
3126,595	-0,008	1	57,85	9.20E-05	A	YYGQQL E I A	
3310,716	-0,0044	1	73,55	4.80E-06	R	IAYYGQQL E A	
1296,694	-0,0047	0	66,2	2.20E-05	T	QGD L L L A H Q	
1375,782	0,0007	0	33,76	0,0089	L	PVEQLHQA V	
1498,789	-0,0043	0	64,3	4.20E-05	K	TTQGD L L L A Q	
1498,789	-0,0018	0	76,93	2.20E-06	K	TTQGD L L L A Q	
1610,769	-0,0112	0	67,15	1.40E-05	R	QALQGDLF Q	
1761,937	0,0006	0	53,07	0,00024	R	QGLAAVLSI L	
1761,937	0,0025	0	36,69	0,01	R	QGLAAVLSI L	
1875,047	-0,0063	0	41,63	0,003	R	LDASLPVE C V	
2476,325	-0,0118	1	81,78	5.90E-07	R	LDASLPVE C -	
1529,757	-0,0122	0	36,38	0,011	R	DAGETEQV K	
1529,757	-0,005	0	75,83	1.30E-06	R	DAGETEQV K	
1542,695	-0,0094	0	51,55	0,00025	R	QYFGETDE V	
1542,695	-0,0087	0	43,91	0,0015	R	QYFGETDE V	
1542,695	-0,0066	0	60,47	3.50E-05	R	QYFGETDE V	
1657,852	-0,013	1	75,06	1.80E-06	R	DAGETEQV G	
1657,852	-0,0113	1	39,25	0,0069	R	DAGETEQV G	
2144,014	0,0242	0	84,28	1.80E-07	V	LCVPFTDL S V	Acetyl (N-ter)
2519,266	-0,0131	0	40,19	0,0098	K	TQAEAQAFI E	
1680,858	-0,0033	0	52,83	0,00055	R	LDTTNDLAI S	
1680,858	-0,0001	0	76,64	2.30E-06	R	LDTTNDLAI S	
1903,906	-0,0058	0	56,19	0,0001	K	LEQWQE Q \ L	
1903,906	0,0024	0	85,88	1.20E-07	K	LEQWQE Q \ L	
1929,032	-0,0081	0	108,52	1.40E-09	R	AVLLATGG C V	
1983,027	-0,0013	0	49,82	0,0012	R	NLSLPPLAS E	
1100,583	-0,0072	1	63,06	5.50E-05	R	NDILDDLK F L	
1100,583	-0,0067	1	39,65	0,012	R	NDILDDLK F L	
1213,63	-0,009	0	46,37	0,0011	R	LVAEDPSVI E	
1637,824	-0,003	0	43,02	0,0026	K	LVAQM QPY G	
1653,819	-0,006	0	46,67	0,0011	K	LVAQM QPY G	Oxidation (I)
2048,008	-0,0072	1	38,62	0,0072	K	IWQRVNPD A	
2163,046	-0,0075	0	68,08	7.60E-06	S	PPEMHLPN A	
2250,078	-0,0159	0	69,69	4.30E-06	F	SPPEMHLP A	
2428,133	-0,0078	0	79,67	7.10E-07	R	WLMVQE H \ Y	
1590,837	-0,0077	0	83,83	4.60E-07	R	IGVLGGTS N Y	
1590,837	-0,0073	0	94,75	3.80E-08	R	IGVLGGTS N Y	
1590,837	-0,0073	0	82,01	7.10E-07	R	IGVLGGTS N Y	
1590,837	-0,0058	0	94,65	3.80E-08	R	IGVLGGTS N Y	
1590,837	-0,0007	0	54,46	0,00037	R	IGVLGGTS N Y	
1402,597	-0,0046	0	35,68	0,0045	I	LDDHMNE C A	
1584,8	-0,0051	0	92,74	5.80E-08	R	AAAEGNIE C E	
1584,8	-0,0026	0	41,17	0,0085	R	AAAEGNIE C E	
1584,8	0	0	124,87	3.70E-11	R	AAAEGNIE C E	
1584,8	0,0001	0	58,81	0,00015	R	AAAEGNIE C E	
1584,8	0,0023	0	39,69	0,012	R	AAAEGNIE C E	

2309,198	-0,0156	0	65,01	1.80E-05	K	TMVQENRF G
868,513	-0,0099	0	35,76	0,011	K	LGGKPELR M
1623,883	0,0034	0	56,76	7.80E-05	K	AGPVVTDQ F
1751,978	-0,0085	1	42,74	0,0018	K	KAGPVVTDI F
1751,978	-0,0057	1	90,14	3.20E-08	K	KAGPVVTDI F
2230,246	-0,0043	1	75,95	6.20E-07	K	IVDALAETFI L
2230,246	-0,0012	1	116,79	1.20E-10	K	IVDALAETFI L
2283,274	-0,0029	0	38,57	0,0053	K	LGSTFLLPV A
2204,082	-0,0061	1	87,48	9.90E-08	R	HGIAQEQS K
2204,082	-0,0036	1	70,89	4.60E-06	R	HGIAQEQS K
2204,082	-0,001	1	115,78	1.50E-10	R	HGIAQEQS K
2204,082	0,0029	1	97,5	1.00E-08	R	HGIAQEQS K
949,477	-0,0107	0	38,02	0,0072	K	SGFHLYR N
1377,658	-0,004	0	39,11	0,0052	R	GQGYGWQ A
1393,691	-0,0034	0	73,72	2.00E-06	R	MYTGQAPS I
2156,213	-0,0191	0	45,36	0,00092	K	IGPLFADTP A
2156,213	-0,0059	0	111,32	1.90E-10	K	IGPLFADTP A
2156,213	-0,0003	0	105,37	6.80E-10	K	IGPLFADTP A
1907,861	-0,0093	0	59,28	2.50E-05	Y	SFPGLSGSI L
1907,861	-0,0079	0	59,4	2.40E-05	Y	SFPGLSGSI L
1907,861	-0,0049	0	109,21	2.70E-10	Y	SFPGLSGSI L
1907,861	-0,0027	0	39,41	0,0025	Y	SFPGLSGSI L
1955,13	-0,0043	0	110,62	1.80E-10	K	LLLSTSGLTIL
1763,978	-0,0024	0	46,73	0,00059	R	ADPNLLTVI Q
1959,127	-0,0153	1	49,56	0,00021	D	PNLLTVILP( E
1959,127	-0,0152	1	40,25	0,0018	D	PNLLTVILP( E
1959,127	-0,0139	1	52,31	0,00011	D	PNLLTVILP( E
1959,127	-0,0139	1	61,86	1.20E-05	D	PNLLTVILP( E
2140,149	-0,008	1	101,7	3.50E-09	I	PTLDTLAQE I
2140,149	-0,0044	1	49,24	0,00061	I	PTLDTLAQE I
983,4205	-0,0084	0	30,3	0,0091	L	PMATMYDR Q
1055,609	-0,0118	0	42,17	0,0031	L	QQAQLSLLI G
1346,756	-0,0064	1	55,78	0,00017	K	KIENISFILD G
1346,756	-0,0048	1	49,64	0,00061	K	KIENISFILD G
1659,885	-0,0141	0	47,54	0,0018	R	LVHLATHGIN
1659,885	-0,0103	0	52,55	0,00033	R	LVHLATHGIN
1659,885	-0,0058	0	61,78	3.70E-05	R	LVHLATHGIN
1659,885	-0,0046	0	83,13	2.60E-07	R	LVHLATHGIN
1694,979	-0,0168	1	43,4	0,0011	K	ALQQAQLS V
2329,17	-0,0115	1	48,01	0,0017	R	GSAFLNDR E
1360,695	-0,0014	0	53,63	0,00054	K	QSLQTLGG L
1697,801	-0,0049	0	91,57	2.50E-08	K	FTDETL SNF Q
1697,801	-0,0038	0	92,42	2.10E-08	K	FTDETL SNF Q
1912,928	-0,0067	1	90,13	9.00E-08	R	SKFTDETL S Q
2230,144	-0,0118	2	57,53	0,0002	K	ELKKELDEL S
1397,68	-0,0097	0	78,56	5.40E-07	Y	DQGGQWA Q
1397,68	-0,0022	0	56,93	8.30E-05	Y	DQGGQWA Q
1397,68	0,0001	0	67,16	7.40E-06	Y	DQGGQWA Q

1424,762	-0,0069	0	41,92	0,0056	R	AADIAAGG(I
1424,762	-0,0012	0	52,35	0,00049	R	AADIAAGG(I
1661,791	-0,0075	0	102,79	2.10E-09	K	TYDQGGQV Q
1296,715	-0,0063	1	65,29	2.20E-05	K	QRVPGISN( E
1388,703	-0,0038	1	67,17	2.30E-05	R	GKESEDIEII F
1388,703	-0,0031	1	57,31	0,00022	R	GKESEDIEII F
1421,658	-0,0069	0	39,19	0,0036	R	ELAEEFASY G
2024,97	-0,012	0	111,37	3.00E-10	R	SLIENWHV( G
2024,97	-0,0116	0	81,12	3.20E-07	R	SLIENWHV( G
1351,684	-0,0085	0	73,94	1.80E-06	K	QDNSDIIV G
1351,684	-0,0072	0	107,47	8.00E-10	K	QDNSDIIV G
1351,684	-0,0023	0	76,68	1.00E-06	K	QDNSDIIV G
1550,817	-0,0079	1	68,1	1.60E-05	R	AKQDNSDI G
1550,817	-0,005	1	61,28	7.30E-05	R	AKQDNSDI G
1001,551	-0,0067	1	36,77	0,013	V	ALDRSELA( E
1112,63	-0,0063	1	41,41	0,0058	W	DADLVVLG G
1213,703	-0,0042	1	40,26	0,0034	I	LVALDRSEL E
1296,74	-0,0032	0	62,83	2.60E-05	K	EVLQQAIAL E
1296,74	-0,0015	0	75,32	1.30E-06	K	EVLQQAIAL E
1296,74	-0,0004	0	66,59	1.00E-05	K	EVLQQAIAL E
1298,71	-0,0084	1	41	0,0076	N	WDADLVVL G
1326,787	-0,0107	1	43,66	0,0014	K	ILVALDRSE E
1326,787	-0,0037	1	48,27	0,00038	K	ILVALDRSE E
1326,787	-0,0017	1	46,46	0,00055	K	ILVALDRSE E
1412,752	-0,0028	1	44,92	0,0033	K	NWDADLV G
2085,049	-0,0082	1	56,38	0,00014	G	FSQI(KEHL( E
2605,517	-0,029	2	44,01	0,0013	K	ILVALDRSE E
1199,546	-0,0063	0	64,55	7.40E-06	R	YTEEVEQFF T
1199,546	-0,0058	0	52,35	0,00012	R	YTEEVEQFF T
1205,677	-0,0008	1	46,36	0,00064	K	AARVTLVG( I
1215,617	-0,0084	0	71,84	3.40E-06	F	PAVVEAAD( A
1215,617	-0,0068	0	60,62	4.80E-05	F	PAVVEAAD( A
1463,657	-0,0059	1	44,21	0,00085	R	YTEEVEQFF -
1463,657	-0,0049	1	58,22	3.50E-05	R	YTEEVEQFF -
1463,657	-0,0046	1	60,84	1.90E-05	R	YTEEVEQFF -
1141,54	-0,0106	0	46,05	0,00069	R	YTEAVEQFF E
1141,54	-0,0034	0	45,41	0,00086	R	YTEAVEQFF E
1205,677	-0,0008	1	46,36	0,00064	K	AARVTLVG( I
1215,617	-0,0084	0	71,84	3.40E-06	F	PAVVEAAD( A
1215,617	-0,0068	0	60,62	4.80E-05	F	PAVVEAAD( A
1843,928	-0,0072	0	51,39	0,00044	R	GDVSEVQA R
1394,713	-0,0024	0	52,52	0,00062	L	GNQAGFPV T
1578,834	-0,0032	0	41,63	0,007	R	ALGNQAGF T
2237,06	-0,0168	1	67,77	5.90E-06	R	VVDGFVAQ N
2237,06	-0,0081	1	106,64	8.30E-10	R	VVDGFVAQ N
2237,06	-0,0077	1	91,25	2.90E-08	R	VVDGFVAQ N
1628,789	-0,0109	0	81,71	5.90E-07	R	IGAATETEG S
1628,789	-0,0097	0	42,08	0,0054	R	IGAATETEG S

1628,789	-0,0094	0	96,9	1.80E-08	R	IGAATETEG S	
1628,789	-0,0088	0	45,11	0,0028	R	IGAATETEG S	
1628,789	-0,0075	0	46,89	0,0019	R	IGAATETEG S	
1628,789	-0,0045	0	94,24	3.60E-08	R	IGAATETEG S	
1731,004	-0,0155	1	102,3	1.00E-09	K	KAELIEGIV† H	
1731,004	-0,012	1	64,4	6.20E-06	K	KAELIEGIV† H	
1731,004	-0,0092	1	45,13	0,00043	K	KAELIEGIV† H	
1731,004	-0,0074	1	75,69	6.20E-07	K	KAELIEGIV† H	
2039,018	-0,013	1	72,19	3.20E-06	R	VAILENGDF I	
2613,261	-0,0003	0	183,29	2.20E-17	K	VGGLASGE Y	
2613,261	0,0132	0	94,96	1.70E-08	K	VGGLASGE Y	
1461,74	-0,0141	0	59,37	0,00013	E	PLLNGEHPI A	
1461,74	-0,0067	0	69,68	6.10E-06	E	PLLNGEHPI A	
1875,951	-0,0163	0	63,93	4.40E-05	R	ATLEPLLNG A	
1875,951	-0,0044	0	76,82	1.30E-06	R	ATLEPLLNG A	
2145,136	-0,0137	1	36,53	0,012	R	IRATLEPLL† A	
2145,136	-0,0122	1	69,08	6.90E-06	R	IRATLEPLL† A	
1385,751	-0,0051	1	47,88	0,00095	K	DRAALGIIE† E	
1385,751	-0,0044	1	64,44	2.10E-05	K	DRAALGIIE† E	
1547,821	-0,0183	0	43,25	0,0027	K	HGFVDSIGI L	
1547,821	-0,0026	0	85,21	1.50E-07	K	HGFVDSIGI L	
1901,908	-0,0114	0	49,75	0,00043	K	TGEINPSGN I	
1901,908	-0,0089	0	59,53	4.70E-05	K	TGEINPSGN I	
1901,908	-0,0062	0	66,5	9.10E-06	K	TGEINPSGN I	
1139,691	-0,0064	0	61,2	1.20E-05	R	LLVAGIGDA† W	
1144,697	-0,0083	1	31,46	0,011	R	ILRDILFQK S	
1213,594	-0,0067	0	40,44	0,0032	V	VTGSHSAE I S	
1213,594	-0,0041	0	52,56	0,0002	V	VTGSHSAE I S	
1312,662	0,0003	0	54,44	0,00037	L	VVTGSHSA I S	
1482,768	-0,0084	0	65,17	3.00E-05	K	GLVVTGSH† S	
1570,832	-0,0049	0	47,89	0,0018	R	LEELVSGN† R	
1693,879	-0,0115	0	70,8	4.50E-06	R	VHQEQPDF A	
1027,593	-0,0073	0	43,52	0,0018	V	FPSIVGRPR H	
1197,698	-0,0086	0	37,02	0,0069	R	AVFPSIVGR H	
1197,698	-0,0059	0	35,73	0,0087	R	AVFPSIVGR H	
1197,698	-0,0044	0	54,37	0,00011	R	AVFPSIVGR H	
1197,698	-0,0038	0	35,9	0,008	R	AVFPSIVGR H	
1197,698	-0,0038	0	46,21	0,00074	R	AVFPSIVGR H	
1789,885	0	0	62,66	3.00E-05	K	SYELPDGQ† F	
1789,885	0,0002	0	45,85	0,0014	K	SYELPDGQ† F	
1945,888	-0,0159	0	37,98	0,0034	K	YPIEHGIVT† I	
1945,888	-0,0122	0	59,1	2.70E-05	K	YPIEHGIVT† I	
1961,883	0,0033	0	37,91	0,0037	K	YPIEHGIVT† I	
1183,656	-0,0098	1	61,52	3.30E-05	R	QLAEETKLP R	
1211,666	-0,0006	0	35,21	0,012	R	TIILYEAPHR L	
1441,753	-0,005	0	50,78	0,00048	R	QQLLQSLA† T	
1843,953	-0,0066	0	49,37	0,00072	R	AVETLQTV† H	
1843,953	-0,0007	0	54,62	0,00022	R	AVETLQTV† H	

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1843,953	0,0046	0	91,5	4.40E-08	R	AVETLQTVL H	Oxidation (I
2267,176	0,0011	1	52,37	0,00031	R	AVETLQTVL L	
1199,633	-0,0065	0	50,81	0,00049	P	MQITLNLPL L	
1341,631	-0,0056	0	54,07	0,00012	K	ISSMEIMEF L	
1341,631	-0,0007	0	48,21	0,00051	K	ISSMEIMEF L	
1357,626	-0,0059	0	58,12	4.00E-05	K	ISSMEIMEF L	
1838,989	-0,0026	0	74,23	3.20E-06	R	EIAIALFEQE A	
2550,229	-0,0088	0	82,98	2.20E-07	R	GICIHVDVE S	
971,4924	-0,006	0	39,33	0,0045	L	PTAAEEQVI V	
1530,888	-0,0174	2	41,98	0,0025	K	RVVLVDDV T	
1772,967	-0,0233	1	46,65	0,0011	K	VPVGAI DVT R	
1772,967	-0,005	1	58,25	0,00011	K	VPVGAI DVT R	
1772,967	-0,0033	1	73,6	3.20E-06	K	VPVGAI DVT R	
1772,967	-0,0026	1	102,22	4.40E-09	K	VPVGAI DVT R	
1097,619	-0,0077	0	37,34	0,0073	K	IVIENQQVR N	
1159,572	-0,0078	0	44,36	0,0018	K	AEGGTAIDE L	
1176,545	-0,0031	0	47,26	0,0011	R	LGDLMTDQ V	
1189,613	-0,0105	0	66,21	1.30E-05	R	QGAATMLQ T	
1263,61	-0,01	0	40,36	0,0041	K	TTLQPPSAF -	
1357,513	-0,0058	0	49,35	3.40E-05	L	TDGENEHC C	
1400,751	-0,009	1	48,74	0,0014	R	LKAEGGTAI L	
2166,993	-0,0014	0	103,51	2.50E-09	R	VSHIFLLTD C	
1243,704	-0,0038	1	41,52	0,0027	F	LAALQNR YI H	
1394,686	-0,0012	0	46,83	0,0022	K	LSEGMAYIE G	
1394,686	0,0019	0	54,63	0,00038	K	LSEGMAYIE G	
1466,719	-0,0039	1	41,08	0,0075	L	SEGMAYIEC M	
1477,804	-0,0123	1	37,38	0,0077	K	SFLAALQNI H	
1477,804	-0,006	1	70,39	3.70E-06	K	SFLAALQNI H	
1477,804	-0,0018	1	52,41	0,0002	K	SFLAALQNI H	
1579,803	-0,0077	1	79,96	5.20E-07	K	LSEGMAYIE M	
1097,627	-0,0087	0	54,44	0,00015	R	GIVTQKPMI G	
1097,627	-0,0081	0	37,19	0,008	R	GIVTQKPMI G	
2180,159	-0,0126	0	49,32	0,00058	K	HSTIQFELA I	
2648,352	-0,0049	0	101,32	4.10E-09	K	VPTLSLESF G	
2648,352	-0,0036	0	106,85	1.10E-09	K	VPTLSLESF G	
1039,519	-0,0075	0	50,47	0,00029	R	FTEQSLTSK S	
1365,725	-0,0124	1	63,73	1.90E-05	W	LGRFTEQSI S	
1479,685	-0,007	0	50,51	0,00027	K	IYGVCAEIP I K	
1479,685	-0,0065	0	66,29	7.20E-06	K	IYGVCAEIP I K	
1566,815	-0,0039	0	39,72	0,011	K	SIHGTLNHI A	
2140,054	-0,0183	0	58,65	0,00012	M	PTWWLVTHI G	
2140,054	-0,0097	0	43,62	0,004	M	PTWWLVTHI G	
1257,614	-0,0088	0	38,54	0,0056	K	LCELAGPG, Q	
1428,809	-0,0036	0	79,94	5.10E-07	K	PVLAVGNV' N	
1711,838	-0,0052	0	37,01	0,0091	D	NLTELSQQI K	
1913,897	-0,0075	0	53,6	0,00015	M	SDNLTELS( K	
1913,897	-0,0074	0	78,76	4.50E-07	M	SDNLTELS( K	
1913,897	-0,0039	0	46,9	0,00073	M	SDNLTELS( K	



1913,897	-0,002	0	43,56	0,0016	M	SDNLTELS	C	K	
1101,604	-0,0057	0	36,89	0,011	R	AVVHAAHI	E	G	
1312,772	-0,0069	0	66,14	9.80E-06	R	IGAGSIIGA	C	D	
1497,852	0,0004	0	60,51	2.90E-05	R	GSLIGIGATI	I	I	
2126,051	-0,0139	0	41,72	0,0034	K	QVSEGQVC	L	L	
2126,051	-0,0063	0	42,68	0,0029	K	QVSEGQVC	L	L	
2126,051	-0,0049	0	95,24	1.60E-08	K	QVSEGQVC	L	L	
1161,593	-0,0112	0	56,12	0,00013	A	PSQAFVNF	I	V	
1161,593	-0,0064	0	46,23	0,0014	A	PSQAFVNF	I	V	
1347,657	-0,0059	0	52,65	0,00028	R	DAPSQAFV	V	V	
1877,974	-0,0189	1	65,4	1.80E-05	R	VIIIEVLSE	S	T	K
2690,271	-0,0091	1	81,11	2.70E-07	M	VALSSNGYI	H	H	
3019,417	0,0008	1	50,12	0,00069	R	FYYPDLLV	T	V	
1041,582	-0,0104	0	51,91	0,00038	Y	PSLLGLEAS	A	A	
1204,645	-0,0099	0	43,3	0,0048	T	YPSLLGLEA	A	A	
1376,73	-0,0084	0	66,55	2.40E-05	K	ATYPSLLGL	A	A	
1376,73	-0,0049	0	88,9	1.30E-07	K	ATYPSLLGL	A	A	
1824,995	-0,0024	0	82,7	3.90E-07	K	GVVEAALD	I	I	
1676,925	-0,0031	1	51,54	0,00041	R	GLRGFYPN	N	N	
1748,895	-0,0083	1	80,77	9.80E-07	A	ELNAVDAKI	I	I	
1748,895	-0,0037	1	72,98	5.90E-06	A	ELNAVDAKI	I	I	
1748,895	-0,002	1	100,82	9.60E-09	A	ELNAVDAKI	I	I	
1209,651	-0,0066	0	64,46	1.20E-05	R	VGLLYFNTA	K	K	
1324,71	-0,0031	1	47,51	0,0016	L	GEPEGQLQ	V	V	
1423,702	-0,0078	0	39,65	0,005	K	LASFDDL	S	E	
1437,794	-0,006	1	87,42	6.50E-08	E	LGEPEGQL	V	V	
1551,826	0,0016	0	47,03	0,0009	A	LELGEPEG	C	K	
1679,921	-0,0086	1	36,79	0,0088	A	LELGEPEG	C	V	
1992,969	-0,0228	0	41,17	0,0058	K	TVEVFHVA	N	L	
1992,969	-0,0045	0	40,32	0,0093	K	TVEVFHVA	N	L	
1155,607	-0,0115	0	43,42	0,0019	R	NMLQDLGI	L	Q	
1171,602	-0,0053	0	38,41	0,0084	R	NMLQDLGI	L	Q	
1219,562	-0,0086	1	38,7	0,0036	R	QSEMDEL	R	I	
1399,669	-0,0027	0	64,76	1.20E-05	K	NEQGQIEA	I	Q	
1399,669	0,0022	0	65,19	1.20E-05	K	NEQGQIEA	I	Q	
1672,943	0,0038	0	36,93	0,0071	K	QLLMIGVG	I	L	
2005,978	0,0018	0	72,42	3.00E-06	K	INADQATA	F	N	
2357,158	-0,0091	2	48,82	0,00069	R	NMLQDLGI	L	I	
2008,997	-0,015	0	45,21	0,0016	R	LYDANGNA	T	T	
2008,997	-0,0109	0	107,43	9.80E-10	R	LYDANGNA	T	T	
2008,997	-0,0098	0	67,86	8.80E-06	R	LYDANGNA	T	T	
2008,997	-0,0085	0	35,96	0,014	R	LYDANGNA	T	T	
2008,997	-0,0082	0	41,51	0,0038	R	LYDANGNA	T	T	
1102,639	-0,0055	2	56,22	0,00012	R	KLEVFPKD	K	R	
1126,504	-0,0085	0	37,17	0,0066	L	FHEETHAE	I	S	
1132,613	-0,0117	0	47,02	0,0022	R	VFVEELIER	K	K	
1132,613	-0,009	0	48,33	0,0016	R	VFVEELIER	K	K	
1211,619	-0,0082	1	43,65	0,0016	K	ELAAVDQFI	K	K	

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1239,588	-0,0062	0	44,36	0,0012	K	LFHEETHAE S	
1339,714	-0,0089	2	40,6	0,0035	R	KKELAAYDC K	
2759,385	-0,0082	0	85	1.80E-07	R	IIQDFQLTQ -	
1433,756	-0,0069	0	79,62	5.70E-07	K	DLGEVLVQ' G	
1506,724	-0,0076	0	72,45	4.70E-06	R	MNDEITETV H	
1522,719	-0,004	0	76,15	1.70E-06	R	MNDEITETV H	Oxidation (I
2130,239	-0,018	0	68,55	1.70E-06	R	LGRPAAVL\ E	
1422,714	-0,0062	0	47,38	0,002	R	NFTEQYILP S	
1422,714	-0,0003	0	44,87	0,0033	R	NFTEQYILP S	
2198,118	-0,0071	0	59,55	6.70E-05	R	QHQLSDIIC L	
2204,09	-0,0163	0	56,01	0,00013	K	GQLEPGMF L	
2229,092	-0,0105	0	61	7.70E-05	R	VMPMAEAA H	
2229,092	-0,0036	0	44,3	0,0038	R	VMPMAEAA H	
2446,227	0,0037	1	53,31	0,00057	K	NKGQLEPG L	
1385,669	-0,0095	1	37,71	0,0058	V	YRTDDQAH V	
1385,669	-0,006	1	42,83	0,0019	V	YRTDDQAH V	
1516,847	-0,0029	0	41,04	0,0044	T	SLAAIAPHG L	
1615,821	-0,0202	1	38,87	0,0072	A	PEAERQEFI L	
1718,943	-0,0081	0	39,43	0,0045	M	TTSLAAIAP L	
1718,943	-0,0041	0	38,61	0,0051	M	TTSLAAIAP L	
1718,943	-0,003	0	66,16	1.50E-05	M	TTSLAAIAP L	
1718,943	-0,0023	0	56,86	0,00013	M	TTSLAAIAP L	
2166,18	-0,0038	2	55,05	0,00011	R	LAPEAERQIV	
1425,758	-0,0041	1	44,63	0,0017	R	THITDRLES I	
1452,675	-0,0111	0	38,78	0,0076	R	QAHGNEVE G	
2044,136	-0,0002	0	62,82	1.50E-05	R	LLGLDFPVI R	
2569,22	-0,0183	0	52,93	0,00037	R	QHLSPTITY: Q	
2569,22	-0,0047	0	38,53	0,011	R	QHLSPTITY: Q	
3163,507	0,001	0	60,69	7.00E-05	R	YQTHCLPQ N	
3163,507	0,0138	0	63,18	4.30E-05	R	YQTHCLPQ N	
1214,564	-0,0062	0	40,75	0,0045	V	MENFVAFV C	Oxidation (I
1414,68	-0,012	0	57,07	0,00014	K	TMENFVAI C	Oxidation (I
1414,68	-0,0064	0	77,67	1.30E-06	K	TMENFVAI C	Oxidation (I
1414,68	-0,0008	0	87,13	1.60E-07	K	TMENFVAI C	Oxidation (I
1510,836	-0,0111	0	43,5	0,0036	K	VPQVSTPTL S	
1510,836	-0,0111	0	43,5	0,0036	K	VPQVSTPTL N	
1382,683	-0,0014	0	51,97	0,00063	K	SLNNQFAS V	
1764,728	-0,0139	0	102,8	2.30E-10	R	FSSCGGGC S	
1764,728	-0,013	0	76,87	8.90E-08	R	FSSCGGGC S	
2382,945	-0,0133	0	36,29	0,00068	R	GGGGGGY( G	
2382,945	-0,0056	0	32,52	0,0018	R	GGGGGGY( G	
1382,683	-0,0014	0	51,97	0,00063	K	SLNNQFAS V	
1759,905	-0,0184	0	49,24	0,00072	R	LWQQYEFII L	
1759,905	-0,0077	0	72,41	3.50E-06	R	LWQQYEFII L	
2173,107	-0,0203	1	78,67	1.60E-06	K	EQRLWQQ' L	
2173,107	-0,0101	1	85,43	3.40E-07	K	EQRLWQQ' L	
1310,781	-0,0035	1	57,86	4.00E-05	E	PAEAIKVETIT	
1586,892	-0,0031	1	64,13	2.00E-05	A	FEPAEAIKVIT	

1586,892	-0,0005	1	67,34	9.20E-06	A	FEPAEAIKVIT
1651,828	-0,0009	0	71,06	4.40E-06	K	TGDAIAEVVN
2432,241	-0,0127	1	65,98	1.60E-05	K	TGDAIAEVVI
1657,842	0,0036	0	80,75	5.10E-07	A	GLSADAIETL
1815,912	-0,0074	0	77,2	1.10E-06	K	SAGLSADAIL
1815,912	-0,0041	0	100,98	4.50E-09	K	SAGLSADAIL
1209,588	-0,0037	0	37,81	0,0064	R	GALFAASTIQ
1374,616	-0,0091	0	55,61	0,0001	S	GDSLEFAAIL
1518,67	-0,0122	0	80,17	2.20E-07	K	SGSGDSLEFL
1518,67	-0,0081	0	58,92	3.30E-05	K	SGSGDSLEFL
2288,212	-0,0155	0	68,66	7.10E-06	R	AVSSRPTHIN
1145,649	-0,014	0	49,33	0,00048	K	LPLVYDWLIH
1298,673	-0,0101	0	46,12	0,0025	K	NLQTYPAIHL
1298,673	-0,0081	0	47,98	0,0018	K	NLQTYPAIHL
2071,085	-0,0188	0	63	5.20E-05	K	ATESPAPQIE
2071,085	-0,0139	0	67,62	1.80E-05	K	ATESPAPQIE
2071,085	-0,0132	0	39,73	0,011	K	ATESPAPQIE
2684,367	-0,0087	1	38,57	0,0083	K	ATESPAPQII
1048,639	-0,0085	0	36,05	0,0034	R	LLDHVALLFS
1212,662	-0,0056	0	60,38	8.80E-05	R	GQVIWVADF
1337,646	-0,0095	0	54,39	0,00015	M	VSSNSADIFQ
1347,653	-0,0046	0	38,95	0,0065	R	FLGNNANLA
1347,653	-0,0026	0	44,03	0,0021	R	FLGNNANLA
2335,181	-0,0036	0	91,88	7.40E-08	K	QELDPAFQF
1239,694	-0,0122	1	46,39	0,00085	K	RDQIVPSNII
1314,653	-0,0063	0	58,84	0,00013	K	QAEEGINAIV
1314,653	-0,0055	0	53,81	0,00042	K	QAEEGINAIV
1690,838	-0,0022	0	107,21	2.10E-09	R	AVMADAGSS
1943,021	-0,004	0	43,02	0,0053	K	EAATAAISSIG
1284,704	-0,0083	1	74,58	3.30E-06	V	LLGSNEDIC-
1803,937	-0,0031	0	68,39	8.70E-06	K	AGQDLAYTIF
1803,937	0,0009	0	62,41	3.50E-05	K	AGQDLAYTIF
2079,1	-0,0018	1	61,58	5.90E-05	K	AGQDLAYTIL
1038,571	-0,0094	0	40,9	0,0063	A	PELPSEVLRM
1463,691	-0,0068	0	71,8	2.40E-06	R	NHGGYGVII-
1591,821	-0,0118	1	93,48	2.60E-08	R	NKDTDEININ
2232,175	-0,0197	1	41,34	0,0043	K	PVEENLIGCM
2232,175	-0,0102	1	37,38	0,01	K	PVEENLIGCM
1250,614	-0,0046	0	46,62	0,0021	K	LLETGDYCA
1300,699	-0,0043	1	41,91	0,0063	K	KVLDDDTLCS
1449,674	0	0	67,11	7.00E-06	R	ADAAGALGA
1570,777	-0,0085	0	54,7	0,00034	R	LVEALGNLFS
1777,896	-0,0069	0	47,22	0,0011	K	DEHPQVSQL
2331,107	-0,0126	1	60,16	3.80E-05	R	ADAAGALGA
1181,64	-0,0057	0	48,42	0,00048	K	DLQAGLGCFF
1181,64	-0,0047	0	43	0,0016	K	DLQAGLGCFF
1181,64	-0,0042	0	40,64	0,0028	K	DLQAGLGCFF
1181,64	-0,0041	0	58,15	5.00E-05	K	DLQAGLGCFF

1181,64	-0,0035	0	60,31	3.10E-05	K	DLQAGLGCF
1495,804	-0,0113	0	85,13	1.40E-07	R	VAGEAWGLT
1341,725	-0,0085	1	48,39	0,00085	K	VGQELEVEIT
1344,765	-0,0057	0	39,07	0,0066	K	AIALGYVPTIV
1471,861	-0,0028	1	75,89	4.30E-07	R	VTLIVNAATQ
1520,809	-0,0017	0	67,57	1.70E-05	R	TPLYNLITECL
1880,037	-0,0015	1	38,18	0,0051	L	AALQSLVPFA
2092,189	-0,002	1	39,77	0,002	K	VLAALQSLVA
1057,567	-0,0126	1	38,4	0,0092	R	QQKWELAFK
1217,583	-0,012	0	51,9	0,00023	V	PWQDDFAIN
1629,852	-0,0018	0	72,56	3.30E-06	K	VITVPWQDIN
1661,783	-0,0118	1	45,17	0,001	K	ARVDNPQCL
1661,783	-0,0081	1	68,19	5.30E-06	K	ARVDNPQCL
1661,783	-0,0069	1	47,94	0,00059	K	ARVDNPQCL
1760,774	-0,0121	0	73,14	9.90E-07	R	TYEYNDGDR
1760,774	-0,0117	0	82,34	1.20E-07	R	TYEYNDGDR
1760,774	-0,0102	0	59,04	2.80E-05	R	TYEYNDGDR
1760,774	-0,0102	0	43,38	0,001	R	TYEYNDGDR
1287,678	-0,0099	0	38,96	0,0088	K	SSLLNALTGA
1532,94	-0,0007	0	71,77	3.00E-07	M	SLPIVAIIGRS
1816,954	-0,0159	0	57,03	0,00022	R	LAGNQQAID
1816,954	-0,0106	0	40,94	0,0047	R	LAGNQQAID
1816,954	-0,0068	0	36,49	0,013	R	LAGNQQAID
1816,954	-0,0019	0	66,96	2.10E-05	R	LAGNQQAID
1307,647	-0,0089	1	43,59	0,0021	K	QATDDLRL
1307,647	-0,0081	1	57,64	8.60E-05	K	QATDDLRL
1789,816	-0,0059	0	39,08	0,0029	K	LYFDQGDLA
1789,816	0,0007	0	94,13	1.10E-08	K	LYFDQGDLA
1789,816	0,0075	0	45,47	0,00087	K	LYFDQGDLA
1365,7	-0,005	0	39,09	0,0061	T	GVVAAGHAC
1567,795	-0,008	0	62,38	2.90E-05	K	TTGVVAAGIC
1567,795	-0,0058	0	78,82	6.50E-07	K	TTGVVAAGIC
1567,795	0,0007	0	84,49	1.80E-07	K	TTGVVAAGIC
1214,578	-0,0075	0	45,12	0,0021	L	PLVGDDIDIF
1764,937	-0,0172	1	78,87	1.30E-06	L	PLVGDDIDIF
1764,937	-0,0166	1	75,33	3.00E-06	L	PLVGDDIDIF
2181,191	-0,0233	2	35,42	0,013	L	PLVGDDIDIC
2365,312	-0,0117	2	53,02	0,00031	K	ALPLVGDDIC
1247,651	-0,0045	1	45,06	0,0018	K	AAELFNAQID
1380,631	-0,0034	0	49,97	0,00053	K	SAVQWYNIL
1433,68	-0,0064	0	40,15	0,0039	R	INAHANAIA
1456,622	-0,0109	0	84,34	5.70E-08	K	LNDQDADAG
1648,712	-0,009	1	33,75	0,0074	N	DQDADAYYH
2337,083	-0,0055	0	35,99	0,012	R	GNSQSQCIL
967,6542	-0,0111	1	29,42	0,0046	K	ALLRALLAKG
1302,693	-0,009	0	58,28	0,00016	R	QATTADIPFI
1302,693	-0,0071	0	52,36	0,00065	R	QATTADIPFI
1302,693	-0,0062	0	51,01	0,00087	R	QATTADIPFI

1302,693	-0,0014	0	45,07	0,0032	R	QATTADIPF I	
1302,693	-0,0009	0	43,49	0,0047	R	QATTADIPF I	
1843,864	-0,0064	0	50,74	0,00028	R	SQGHEFAG A	
1993,957	-0,0055	0	44,79	0,0015	R	HTYESVGFI D	
1100,528	-0,0061	0	40,67	0,0067	K	HVEETMLSIS	
1632,773	-0,0094	0	74,75	2.20E-06	R	AAETELTVA A	
1632,773	-0,006	0	75,78	1.90E-06	R	AAETELTVA A	
1632,773	-0,0048	0	39,15	0,0088	R	AAETELTVA A	
1746,809	-0,0108	1	36,06	0,012	K	HVEETMLSIS	
1852,86	-0,0166	1	34,44	0,0095	K	ERQNEQQI A	
1098,654	-0,0132	0	62,15	2.90E-05	K	LELLELLEK D	
1289,629	-0,006	0	39,88	0,0051	K	SVIAQCNLE L	
1289,629	-0,004	0	44,91	0,0015	K	SVIAQCNLE L	
1558,77	-0,0028	0	89,85	1.10E-07	-	MHSLSSLEIS	Acetyl (N-ter)
1574,765	-0,0018	0	47,2	0,0019	-	MHSLSSLEIS	Acetyl (N-ter)
1858,927	-0,0055	0	47,15	0,0022	R	QVEALETQIS	
1858,927	-0,001	0	54,43	0,00042	R	QVEALETQIS	
1858,927	-0,0003	0	77,14	2.20E-06	R	QVEALETQIS	
2582,225	-0,0096	1	82,19	2.30E-07	K	ETIDQVNLE A	
1547,783	-0,0081	0	36,47	0,012	K	VDDQAEFG K	
1547,783	-0,0061	0	46	0,0014	K	VDDQAEFG K	
1576,81	-0,005	1	72,68	6.60E-06	V	DDQAEFGC A	
1675,878	-0,0102	1	90,13	5.40E-08	K	VDDQAEFG A	
1457,672	-0,0047	0	35,76	0,0071	R	TGGTLQCYI H	
1457,672	0,0013	0	52,47	0,00017	R	TGGTLQCYI H	
1910,005	-0,0114	0	65,85	1.40E-05	R	VLAQGWVL Y	
1910,005	-0,0036	0	62,97	2.60E-05	R	VLAQGWVL Y	
2083,033	-0,0086	1	55,94	0,00027	R	LADLSSGQ' A	
1269,729	-0,0025	0	44,88	0,0013	K	SLAAKPSTP V	
1541,794	-0,0051	0	42,93	0,003	A	DDGDLLSTIL	
1845,97	-0,0073	2	42,85	0,0062	R	RGDQVLFE I	
2128,976	-0,0041	0	66,23	6.40E-06	V	DGDNDADIL	
2285,066	0,0004	0	76,7	7.20E-07	K	GVDGDND, L	
1658,841	-0,0092	0	88,2	1.80E-07	R	GNMAVGGI E	
1658,841	-0,0072	0	49,86	0,0012	R	GNMAVGGI E	
1785,904	-0,0051	1	54,83	0,00037	K	TMVINSPQ( M	
2913,462	0,0021	1	61,32	3.90E-05	K	AGEGILFLD E	
1212,671	-0,0075	1	38,08	0,014	K	LRELIDPS -	
1212,671	-0,0059	1	47,72	0,0015	K	LRELIDPS -	
2050,964	-0,0186	1	84,36	1.10E-07	F	FPNGEPFKI D	
2050,964	-0,0147	1	62,32	1.90E-05	F	FPNGEPFKI D	
2311,116	-0,012	1	46,19	0,0021	K	LFFPNGEPF D	
1357,695	-0,012	0	41,8	0,0038	R	TGAQQQAT A	
1357,695	-0,0063	0	55,78	0,00016	R	TGAQQQAT A	
1357,695	-0,0052	0	96,9	1.20E-08	R	TGAQQQAT A	
1606,893	-0,0081	1	48,3	0,00051	K	TPPPDLES I	
1792,827	-0,0071	0	61,51	3.90E-05	K	TDAEWQQ( V	
1877,848	-0,0128	0	33,53	0,0086	R	CGGHLGH) R	

2840,35	-0,0085	1	118,95	4.40E-11	K	TNEVFEVTK V
1273,714	-0,0058	1	50,04	0,00037	V	TPVLLDAFS V
1485,867	-0,0041	1	38,31	0,0026	R	IVTPVLLDAI V
1491,856	-0,0008	0	36,22	0,0037	R	VLNIHPSLL G
1647,957	-0,0082	1	37,31	0,0093	R	RVLNIHPSL G
2150,951	-0,0139	1	61,76	7.80E-06	R	DYDSREDL Q
2150,951	-0,0119	1	67,84	2.00E-06	R	DYDSREDL Q
1831,863	-0,0071	0	43,15	0,0017	K	ILADTEEDH Q
1831,863	0,0061	0	66,92	8.00E-06	K	ILADTEEDH Q
1842,751	-0,0121	0	51,23	3.40E-05	K	EAMAVCEQ D
2107	-0,0098	0	72,58	4.40E-06	R	IDHEMQDE I
1229,619	-0,0091	0	46,64	0,0011	R	QQLNEIMA T
1498,804	-0,0038	1	74,04	4.10E-06	R	IRQQLNEIM T
1600,737	-0,0057	1	71,53	4.00E-06	K	DTDRDYFL E
1998,069	-0,0204	1	47,07	0,0011	M	PIGVPSVPF W
2419,154	-0,0058	2	41,3	0,0062	K	DTDRDYFL V
1591,738	-0,0082	0	98,33	4.60E-09	K	DQQGGSW T
1591,738	-0,0034	0	94,85	1.10E-08	K	DQQGGSW T
1231,642	-0,0101	0	42,85	0,0029	L	LNQHLANF S
1572,793	0	1	55,52	0,00034	-	MIPTVIETSC A
1572,793	0,0007	1	61,15	9.20E-05	-	MIPTVIETSC A
2318,205	-0,0099	0	91,68	3.90E-08	R	IMIHQPLGC E
1703,811	-0,0027	0	53,87	0,00017	K	ALGSHLGEI L
1728,8	-0,0144	0	51,21	0,00043	R	DLLEDNHC K
1769,764	0,0001	0	61,42	8.50E-06	R	TAEAQELD F T
1856,895	-0,0113	1	43,14	0,0019	R	DLLEDNHC A
2302,072	-0,0032	0	41,59	0,0022	K	YCQGQGP C A
2379,159	-0,0056	0	82,88	2.60E-07	R	IAVISDLNS A
2379,159	0	0	100,77	4.30E-09	R	IAVISDLNS A
942,4407	-0,0104	0	57,68	7.00E-05	E	PSEPSSPSF T
942,4407	-0,0102	0	54,85	0,00013	E	PSEPSSPSF T
1298,708	-0,0082	0	57,99	0,00015	R	IALIEDEDLI Q
1900,964	-0,0167	0	54,42	0,00021	R	IVLAHAPGA T
1900,964	-0,0144	0	55,69	0,00016	R	IVLAHAPGA T
1700,848	-0,0095	0	80,06	1.10E-06	K	SGTLILGNF G
1700,848	0,0008	0	53,67	0,00049	K	SGTLILGNF G
2096,008	-0,0045	0	90,06	4.40E-08	K	GLYVWEDT Q
1500,797	-0,0033	1	50,05	0,0011	R	RMDNEALP L
2163,128	-0,0064	0	43,78	0,0042	S	PSSLSQEI R
2564,283	-0,0045	0	117,44	1.10E-10	M	AQDSPSSL R
1230,697	-0,0077	0	40,3	0,0059	K	IFISPVDSV I
1230,697	-0,0067	0	59,34	7.30E-05	K	IFISPVDSV I
1230,697	-0,0063	0	57,37	0,00011	K	IFISPVDSV I
1784,056	-0,0107	2	32,95	0,0061	K	KVEAIRPFk I
1784,056	-0,0106	2	36,61	0,0026	K	KVEAIRPFk I
2145,173	-0,0039	1	77,7	5.90E-07	K	IALVNAGIV Q
1348,683	-0,0072	1	75,67	2.80E-06	R	GISLDTANS Q
1514,721	-0,0058	0	62,38	4.40E-05	R	LAEAQGNL F

Acetyl (N-ter)

Acetyl (N-ter)

1521,852	-0,0033	0	38,85	0,0037	R	QLLTSHSF I
1565,872	-0,0031	0	49,36	0,00037	R	IWQTNLPG E
1565,872	0	0	38,82	0,0038	R	IWQTNLPG E
1819,083	-0,0068	0	139,05	1.40E-13	K	VAVIGIGGL A
2950,483	-0,0143	0	41,6	0,0074	R	HDIKPVVEC A
1371,736	-0,0043	1	69,27	7.00E-06	K	SAEEVIEAL I L
1793,862	-0,0082	1	84,3	1.70E-07	K	VNYTVEDIR D
2030,055	-0,0177	1	55,65	0,00017	K	FSLEPLDR C R
1776,905	-0,0049	0	76	3.00E-06	R	DLVTGETFT S
1776,905	-0,0022	0	75,51	3.30E-06	R	DLVTGETFT S
3051,319	-0,0052	1	52,34	7.00E-05	K	GASGLTAG A
1299,661	-0,0063	0	36,56	0,01	R	QLEVMVSG E
1449,685	-0,0048	0	41,91	0,0026	K	GTPYAAQ T R
1577,78	-0,0065	1	54,36	0,00018	K	KGTPYAAQ` R
1577,78	-0,0013	1	46,39	0,0012	K	KGTPYAAQ` R
1577,78	0,004	1	37,98	0,0083	K	KGTPYAAQ` R
1733,881	-0,013	2	50,68	0,00049	K	KGTPYAAQ` A
1131,592	-0,0078	0	42,31	0,0032	L	PIQAVDGS G
1244,677	-0,0085	0	69	1.20E-05	K	LPIQAVDGS G
1323,624	-0,0067	0	57,56	6.40E-05	K	AGAVMVDN M
1577,783	-0,0092	1	68,98	6.30E-06	K	GCDLVLAS W
1323,632	-0,0048	0	41,74	0,0028	K	ELMAQDM S
1323,632	-0,0015	0	41,29	0,0034	K	ELMAQDM S
2055,039	-0,0052	0	51,36	0,00042	L	EDVKPTEI V
2281,207	-0,0287	0	39,89	0,011	R	ILEDVKPTEI V
2281,207	-0,0149	0	68,8	1.40E-05	R	ILEDVKPTEI V
1281,574	-0,0083	0	43,97	0,00079	R	YFNASGAD L
1366,757	-0,0105	0	45,75	0,0018	R	RPGDAPIL V A
1366,757	-0,0102	0	64,44	2.40E-05	R	RPGDAPIL V A
1917,032	-0,0028	0	70,72	6.60E-06	K	ELVQPLGVI Q
2294,263	-0,0084	0	35,63	0,008	R	LGEDHNPE Q
1911,841	-0,0053	0	54,35	5.30E-05	K	TVDFGASD' V
1911,841	-0,0038	0	72,73	7.80E-07	K	TVDFGASD' V
1911,841	0,0014	0	65,24	4.80E-06	K	TVDFGASD' V
1218,661	-0,0076	0	45,84	0,0025	R	YGAIAGLEN Q
1459,698	-0,0091	0	59,94	4.10E-05	-	MEGNSVVT L
1459,698	-0,0018	0	59,62	4.80E-05	-	MEGNSVVT L
1459,698	-0,0008	0	44,86	0,0014	-	MEGNSVVT L
1459,698	0,0014	0	46,35	0,0011	-	MEGNSVVT L
1216,609	-0,0077	0	47,51	0,0018	R	AGIVEDVFC I
1216,609	-0,0068	0	46,65	0,0023	R	AGIVEDVFC I
1437,602	-0,006	0	52,94	4.10E-05	K	AWSCSGTF F
1437,602	-0,0041	0	85,33	2.30E-08	K	AWSCSGTF F
2019,965	-0,0055	0	74,03	1.60E-06	R	NALNSGEQ S
2019,965	-0,0033	0	87,51	7.70E-08	R	NALNSGEQ S
2265,137	-0,0198	0	39,36	0,0069	I	PILFPICGNI S
1373,676	-0,0065	0	60,62	4.60E-05	R	AMAIEWAA V
2014,023	-0,0135	0	61,73	7.60E-05	R	GHLVEQSP T

2014,023	-0,0089	0	40,67	0,0053	R	GHLVEQSP T	
2014,023	-0,0032	0	55,4	0,00034	R	GHLVEQSP T	
1267,714	-0,0072	1	62,09	2.40E-05	L	PVELIKDEV G	
1623,883	0,0019	1	40,76	0,0033	R	ENLPVELIKI G	
1779,984	-0,0209	2	41,91	0,006	K	RENLPVELI G	
2085,981	-0,0185	0	82,92	1.50E-07	K	VNANIGASI L	
1323,665	-0,007	0	39,6	0,0051	-	MAHSPSAF L	Acetyl (N-te
1323,665	-0,0066	0	63,3	2.10E-05	-	MAHSPSAF L	Acetyl (N-te
1577,736	-0,003	0	80,53	3.00E-07	K	LSPEEYLQV Q	
2479,147	-0,0134	0	40,05	0,004	K	IQIVNTQNY D	
1375,688	-0,0076	1	58,47	7.60E-05	L	FDPDQAWI G	
1445,756	-0,0051	0	36,9	0,012	R	ILFDPDQAV R	
1601,857	-0,0009	1	70,64	4.40E-06	R	ILFDPDQAV G	
2245,103	-0,0038	1	56,21	0,00024	K	RGTLQTSAI G	
2278,341	-0,0084	0	40,02	0,0016	R	ALEYGAIAG G	
1313,662	-0,0076	0	57,57	8.10E-05	E	PDESYNIHI D	
1365,733	-0,0073	0	46,09	0,00091	K	STIGLLLEAI A	
1821,937	0,0067	0	93,92	2.10E-08	K	SQSAANHL F	
1107,604	-0,0068	0	39,63	0,004	R	EVLAEEALF L	
1282,619	-0,0123	0	56,42	0,00017	R	GVNGELFD G	
1985,866	-0,0056	0	39,59	0,0015	R	YHGYQFGE G	
2374,122	-0,0097	1	54,3	0,00027	R	CLSLVETGI A	
2937,629	0,0064	0	49,09	0,00021	K	QLPPESLA/ I	
1608,884	-0,0059	0	68,74	9.70E-06	K	TVVGLDAS E	
1608,884	-0,0058	0	81,76	4.80E-07	K	TVVGLDAS E	
1608,884	-0,004	0	44,23	0,0026	K	TVVGLDAS E	
1295,599	-0,0042	1	45,76	0,00079	I	TEKEDEVYQ	
1511,664	-0,0029	1	47,32	0,00033	K	EDEVYQRQ -	
1511,664	-0,0003	1	46,51	0,00042	K	EDEVYQRQ -	
1521,768	-0,0126	1	44,72	0,0018	K	IITEKEDEVY Q	
2752,301	-0,023	0	70,28	6.10E-06	-	MVNTYTAEI T	
1819,877	-0,0003	0	60,75	4.00E-05	K	ALQDGYLTI L	
1822,874	-0,0065	0	66,77	1.80E-05	R	LPPLYATSE Q	
1822,874	-0,0037	0	74,49	3.20E-06	R	LPPLYATSE Q	
1602,782	-0,0025	0	39,12	0,012	R	AGAAGGM( I	
1602,782	0,0024	0	67,7	1.80E-05	R	AGAAGGM( I	
2828,446	0,0071	0	81,9	3.60E-07	L	PLVPVGEHI R	
1311,703	-0,0079	1	46,16	0,0012	K	RIIVEELDAI F	Acetyl (N-te
1311,703	-0,007	1	44,3	0,0019	K	RIIVEELDAI F	Acetyl (N-te
1311,703	-0,0054	1	41,98	0,0029	K	RIIVEELDAI F	Acetyl (N-te
1311,703	-0,0046	1	49,25	0,00054	K	RIIVEELDAI F	Acetyl (N-te
1311,703	-0,0044	1	58,3	7.20E-05	K	RIIVEELDAI F	Acetyl (N-te
1331,745	-0,0076	1	37,3	0,0076	K	VRETPLTEF A	
1331,745	-0,0075	1	38,74	0,0054	K	VRETPLTEF A	
1730,862	-0,0053	1	66,53	2.50E-05	A	MAAGIDAIN T	
1730,862	-0,0047	1	39,25	0,014	A	MAAGIDAIN T	
1902,947	-0,0057	1	46,14	0,0027	K	TAMAAGID/ T	
1902,947	-0,0041	1	47,24	0,0021	K	TAMAAGID/ T	



1918,942	-0,0178	1	54,61	0,00016	K	TAMAAGID/ T	Oxidation (I
1674,817	-0,0029	0	85,91	2.50E-07	R	SDIQEANS( G	
1824,875	-0,01	0	53,87	0,00035	R	NLQATAAQ R	
1824,875	-0,0063	0	45,26	0,0026	R	NLQATAAQ R	
1204,568	-0,0086	0	76,99	1.40E-06	L	SGSGNDEI( D	
1317,652	-0,0045	0	37,19	0,01	F	LSGSGNDE D	
2538,199	-0,0122	0	76,31	8.50E-07	F	FDDRPGGC D	
1741,896	-0,0038	1	47,27	0,0012	M	SNIQEKIEQ Q	
1741,896	0,0032	1	59,02	8.20E-05	M	SNIQEKIEQ Q	
1988,752	-0,0072	1	51,78	6.60E-06	K	FCDENPDA -	
1988,752	0,0055	1	29,35	0,0014	K	FCDENPDA -	
3044,459	0,0089	1	36,32	0,01	A	WDAVEELE F	
1342,709	-0,0074	0	48,22	0,0018	R	SATDNLKPI M	
1729,867	-0,0067	1	46,87	0,0011	K	DGELIVMA( N	
1729,867	-0,0066	1	40,73	0,0047	K	DGELIVMA( N	
1729,867	-0,0047	1	39,31	0,0062	K	DGELIVMA( N	
2216,253	-0,0013	0	40,03	0,0018	T	PPISSINQG V	
2602,469	-0,0022	0	55,17	0,00011	M	ATLTPIISSI V	
1580,669	-0,0024	0	59,13	1.70E-05	K	NTFWNCPC E	
1580,669	-0,0017	0	47,6	0,00024	K	NTFWNCPC E	
1580,669	-0,0011	0	70,67	1.20E-06	K	NTFWNCPC E	
1229,604	-0,0079	0	45,13	0,0014	M	SSPSLSPH\ M	
1229,604	-0,0044	0	74,07	1.80E-06	M	SSPSLSPH\ M	
1357,72	-0,005	0	43,22	0,003	K	IDTQGNEL\$ G	
1357,72	-0,0036	0	57,66	0,0001	K	IDTQGNEL\$ G	
1686,749	-0,0101	1	87,98	4.30E-08	R	SYAEVYAQ( F	
1686,749	-0,0059	1	75,21	9.30E-07	R	SYAEVYAQ( F	
1480,783	-0,0014	0	52,29	0,00053	K	LTYFGLYAL( G	
2033,054	-0,0101	0	38,12	0,0099	R	TVEAGELV( L	
2887,381	0,0023	0	58,06	0,00014	R	ISSPPVTHP L	
2887,381	0,0097	0	61,52	6.70E-05	R	ISSPPVTHP L	
1271,647	-0,0023	0	61,17	4.20E-05	K	SIQGLNAS( E	
1368,761	-0,001	0	70,3	6.80E-06	K	VPAAISIVD Q	
1958,063	-0,0045	1	45,53	0,0013	K	VPAAISIVD S	
2172,067	-0,0005	0	41,17	0,004	K	QINDQHGF L	
1929,918	-0,0164	0	42,93	0,0018	K	SPSNVELSF W	
1929,918	-0,0142	0	59,14	4.20E-05	K	SPSNVELSF W	
1929,918	-0,0136	0	39,27	0,0042	K	SPSNVELSF W	
1929,918	-0,0116	0	58,82	4.70E-05	K	SPSNVELSF W	
1190,63	-0,0118	0	44,2	0,0043	K	FIEQLELGS A	
1190,63	-0,0118	0	64,77	3.80E-05	K	FIEQLELGS A	
1337,64	-0,0037	0	54,66	0,00014	R	ASIYLGQG\ I	
1730,826	-0,0119	0	64,87	2.50E-05	K	HTLEYSFQ( F	
1206,647	-0,0021	0	50,64	0,00075	R	DIAQLVAQ( S	
1611,848	-0,0196	0	52,34	0,00065	K	DADGLHPV G	
2015,051	0,0012	0	79,82	1.10E-06	R	SPGLAVLM' N	
2029,111	0	0	56,63	0,00012	M	TAYHLIDIS\ W	
2029,111	0,0024	0	100,53	4.80E-09	M	TAYHLIDIS\ W	

1229,543	-0,0059	0	43,22	0,00077	L	DSDLHWN`V
1315,724	-0,0096	0	64,86	1.60E-05	K	VIILESDELA`G
1676,742	-0,0043	0	58,39	4.20E-05	K	GSEFDPDD`V
1696,853	-0,0002	0	47,28	0,0021	K	QLLLDSDLI`V
1282,688	-0,0055	0	39,69	0,0092	R	VPTLIGDQV`H
1397,715	-0,0097	0	50,78	0,00039	R	VALANAPG`V
1397,715	-0,0079	0	45,3	0,0014	R	VALANAPG`V
1397,715	-0,0048	0	55,45	0,00014	R	VALANAPG`V
2108,926	0,0039	0	54,53	8.60E-05	K	SANEAGGY`A
1990,97	-0,0201	0	54,21	0,00033	R	VADVQTVG`K
1990,97	-0,0154	0	56,79	0,00019	R	VADVQTVG`K
1990,97	-0,0125	0	65,62	2.50E-05	R	VADVQTVG`K
1160,62	-0,0079	0	44,09	0,0041	-	MFLHTMIF`V
1260,693	-0,0117	2	58,91	0,00011	K	IELIQTSSKK`-
1411,71	-0,0019	0	62,4	2.40E-05	A	VIELTHNW(Y`
1941,907	-0,0064	0	48,5	0,00049	K	ESENAVIEL`Y
2326,181	0,0051	1	40,22	0,01	R	VLEEIEDRF`A
3206,465	-0,0075	0	105,89	4.40E-10	R	HAQTAYSA`E
1785,964	0,0038	0	87,96	7.00E-08	V	PPVLLSGNI`L
2126,175	0,0006	0	66,45	7.20E-06	R	GLAVPPVLL`L
1344,689	-0,0022	0	59,1	0,00015	R	IGH SVMAM`N
1438,709	-0,0102	0	42,05	0,0058	A	PWPLDTPIE`S
1623,789	-0,0065	0	57,06	9.00E-05	K	NAPWPLDT`S
1623,789	-0,0031	0	40,64	0,0041	K	NAPWPLDT`S
1309,761	-0,0055	1	66,61	4.90E-06	K	KLNDAPLAI`R
1677,832	-0,0089	0	86,06	1.30E-07	R	LFSGSSNP(Y`
1364,567	-0,002	0	88,04	1.90E-08	R	SMSGGTFY`A
2646,216	-0,0107	0	56,83	5.00E-05	F	AVNTADNT`S
1187,557	-0,0075	0	46,77	0,00064	K	FDETAEAHI`L
1363,698	-0,0055	0	40,13	0,0054	K	ASFSADDLIA`
1788,864	-0,0091	1	58,57	0,00012	K	ETATAKFDE`L
2415,202	-0,0073	1	54,84	0,00019	K	VKEATDAG(G`
1634,801	-0,0123	0	49,55	0,0011	R	FNAGTGSV`M
1634,801	-0,0056	0	53,98	0,00042	R	FNAGTGSV`M
1634,801	-0,0005	0	71,44	7.80E-06	R	FNAGTGSV`M
1917,928	-0,0053	0	63,07	2.30E-05	R	TSLSQDEE(Y`H
1922,018	-0,0001	0	42,86	0,0025	K	LQVEHLIEM`D
2294,183	-0,0012	1	62,63	3.00E-05	K	LQVEHLIEM`G
1215,636	-0,005	0	38,54	0,0086	R	SAPLPSHRI`L
1500,638	-0,0042	0	37,26	0,0028	V	NDYQNHQ`L
2722,345	-0,017	1	89,39	1.20E-07	R	IVSLEENTYI`Q
1614,767	-0,0104	0	41,74	0,0044	R	NAGIDGAV(L`
1614,767	-0,0091	0	93,58	3.00E-08	R	NAGIDGAV(L`
1640,94	-0,0039	1	36,44	0,0091	K	AIALVDRLP`V
1492,727	-0,0089	0	90	9.00E-08	R	LQTLSDQN`Q
1908,02	-0,0001	0	57,03	8.80E-05	K	TQPAPLAPI`R
1997,984	-0,0002	0	39,37	0,0061	R	SPAAENIMI`I
1997,984	0,0012	0	65,9	1.40E-05	R	SPAAENIMI`I

1997,984	0,0059	0	58,36	7.70E-05	R	SPAAENIMF I	Acetyl (N-ter)
1316,666	-0,0016	0	63,56	5.00E-05	V	PLVADVHH I	
1823,015	-0,0041	1	36,48	0,012	K	RVPETDGVF A	
2150,101	-0,0046	0	71,55	4.00E-06	M	VTASLPTPV R	
2192,051	-0,0173	0	116,59	8.50E-11	K	SAWQAAGF A	
1461,758	-0,0033	0	55,03	0,00018	K	QVFTGGIGF N	
1724,785	-0,0018	0	93,05	2.40E-08	R	DNSITQSAF A	
1058,576	-0,0044	1	44,87	0,0036	R	SPDISWVKI E	
1687,905	-0,0068	1	101,64	3.70E-09	K	NAELIGDFII H	
1680,941	-0,0051	0	41,99	0,0032	R	VAVVGGGP A	
1815,843	0,0021	0	97,01	7.20E-09	K	AIDAGDYNF I	
1241,662	-0,01	0	75,89	1.30E-06	R	LGDLAERVEF I	
1801,896	-0,0137	0	49,52	0,00059	K	LGEIYQQSF I	
1801,896	-0,0066	0	45,68	0,0015	K	LGEIYQQSF I	
1739,884	-0,0037	0	47,06	0,001	K	AISPNSPFIY	
1739,884	-0,0035	0	91,74	3.50E-08	K	AISPNSPFIY	
1984,945	-0,0169	1	52,51	0,0002	R	GLEEGRQE Q	
1984,945	-0,0128	1	91,31	2.70E-08	R	GLEEGRQE Q	
1150,617	-0,0027	0	59,88	8.90E-05	K	VVAAPELMIT	
2124,064	-0,0143	0	46,06	0,0014	R	DYPHVQSV E	
2124,064	-0,0085	0	56,67	0,00012	R	DYPHVQSV E	
1341,75	-0,0085	0	69,11	6.60E-06	K	LAEAIADAIL T	
1341,75	-0,0051	0	75,77	1.40E-06	K	LAEAIADAIL T	
1144,645	-0,0086	1	38,22	0,012	K	KGDTIQVIS D	
1326,624	-0,0142	1	36,6	0,012	R	ICYTVTDDG V	
1387,767	-0,006	2	54,16	0,00015	K	KGDTIQVIS G	
2032,934	-0,012	0	57,15	4.50E-05	R	QEGESGQIF V	
1830,781	-0,007	0	62,36	7.10E-06	G	WESGANDF R	
2234,96	-0,0115	1	51,6	7.90E-05	R	SPVDGEEPI -	
2234,96	-0,006	1	44,29	0,0005	R	SPVDGEEPI -	
1733,847	0,0015	0	110,72	4.60E-10	K	IPYDLDSQCG	
1235,676	-0,0047	1	42,03	0,0022	K	GLEVEIYTG T	
1667,779	-0,0049	0	40,38	0,0031	R	NVEYTPPL L	
1906,881	0,0013	0	76,82	1.30E-06	R	EGNQAQQF T	
1124,594	-0,0018	0	42,34	0,0053	K	GSNLLHSF K	
1556,914	-0,0044	1	75,42	6.10E-07	M	VLTSISTSNI G	
2149,008	0,0193	0	44,25	0,0032	R	IDAATFWQIL	
2668,219	-0,008	0	44,98	0,0015	K	GIEGLEWD I	
2668,219	-0,0076	0	89,79	5.00E-08	K	GIEGLEWD I	
2000,954	-0,0103	0	48,16	0,0011	R	TVASEGEGF -	
2000,954	-0,0007	0	87,24	1.50E-07	R	TVASEGEGF -	
1346,683	-0,0076	0	73,39	5.50E-06	K	ALEDNEQIL Y	
1606,861	-0,0126	1	53,11	0,00024	S	PIMTAIIDHF V	
1953,007	-0,0161	0	41,84	0,0073	K	GYQSQQVIF Y	
2213,18	-0,011	0	77,21	9.80E-07	R	GQGTIALSC Q	
2213,18	-0,0094	0	56,05	0,00013	R	GQGTIALSC Q	
3157,452	-0,0077	0	82,43	2.70E-07	K	EEMQQQLC A	
3471,626	-0,0094	1	52,66	0,00015	R	WKEEMQQF A	

1201,598	-0,0058	0	42,87	0,0026	R	DYIHVEDL A
1294,594	-0,0012	0	43,7	0,0024	R	YFNVAGAD L
1547,867	-0,0015	0	37,44	0,004	K	ILVTGGAGY Q
1547,867	-0,0012	0	34,04	0,0089	K	ILVTGGAGY Q
1547,867	-0,0001	0	50,9	0,00019	K	ILVTGGAGY Q
1791,839	-0,0139	0	48,62	0,00044	K	LNTDENPN S
1791,839	-0,0136	0	59,35	3.70E-05	K	LNTDENPN S
2019,035	-0,0113	1	48,95	0,00077	R	MVAPVVDE V
1498,814	-0,0139	0	63,2	4.90E-05	K	LPNAQYNG C
2160,085	-0,0166	0	53,94	0,00023	K	FSGIVSNEV A
2160,085	-0,0084	0	40,54	0,0051	K	FSGIVSNEV A
1407,772	-0,0087	0	50,6	0,00029	R	QLLDPEGIA Q
1536,753	-0,0022	0	83,5	4.60E-07	K	IFQTVNANA I
1372,731	0,0075	0	81,66	6.90E-07	K	LQTTLASEII A
1634,805	0,0022	0	53,71	0,00048	R	AESHQLAY C
1227,694	-0,0077	1	43,49	0,0021	K	ARIDQLVTA V
1227,694	-0,0039	1	67,18	8.40E-06	K	ARIDQLVTA V
1227,694	-0,0026	1	61,44	3.10E-05	K	ARIDQLVTA V
1842,922	0,0052	0	102,12	7.10E-09	R	SLNQGLDF L
1732,874	-0,0164	0	63,29	5.20E-05	K	APAAYIADT T
1732,874	-0,0086	0	60,86	9.60E-05	K	APAAYIADT T
1732,874	-0,0051	0	40,27	0,011	K	APAAYIADT T
1658,888	-0,0031	0	47,84	0,0016	R	IINEPTAAAL Q
1786,947	0,0238	1	62,57	2.50E-05	R	IINEPTAAAL E
1786,947	0,0254	1	49,96	0,00045	R	IINEPTAAAL E
1321,616	-0,0126	0	39,49	0,0031	A	PGQTEWTP N
1321,616	-0,0089	0	38,19	0,0046	A	PGQTEWTP N
1855,811	-0,0015	0	79,89	1.50E-07	K	ETIFETTDG L
1296,777	-0,0078	1	74,14	1.10E-06	K	GVKLDDVL E
1336,638	-0,0121	0	58,26	0,00011	-	MNAVAACF Q
1557,888	-0,0066	0	100,68	2.50E-09	R	LFIGQISQL Y
1280,72	-0,0065	1	45,9	0,0013	A	RSINPAANT V
1280,72	-0,0057	1	80,4	4.50E-07	A	RSINPAANT V
1426,757	-0,0133	1	40,71	0,0094	L	PGREAGEL S
1481,656	-0,0134	0	44,84	0,00049	R	AVDESSTM F
1481,656	-0,0036	0	51,5	0,00013	R	AVDESSTM F
1652,747	-0,0022	0	49,89	0,00045	K	GYAYPSGG N
1415,726	-0,0068	0	69,29	7.00E-06	A	TEPTQTQLC L
1415,726	-0,0061	0	53,14	0,00028	A	TEPTQTQLC L
1708,897	0,0101	1	62,73	4.40E-05	K	TIKFENILPC F
1887,767	-0,0062	0	51,44	6.20E-05	R	FNAVGENDR
1887,767	0,0012	0	31,53	0,0056	R	FNAVGENDR
1240,656	-0,0122	0	54,52	0,00035	L	LLEQLGEHI V
2582,211	-0,0138	0	36,09	0,0076	K	ANTPTAETH S
2582,211	-0,0027	0	61,74	2.40E-05	K	ANTPTAETH S
1235,655	-0,0011	0	48,81	0,00056	V	AFGEALKPE V
2024,984	-0,0028	0	74,83	3.20E-06	A	SENFTSAA Y
2083,117	-0,0151	1	98,54	1.60E-08	K	VSANAPNR A

1672,853	-0,0087	0	70,4	1.10E-05	K	QALGNHAY S
1971,969	-0,0102	2	54,29	0,00035	R	FGGEVKDF E
1787,888	-0,0116	0	85,41	1.60E-07	R	VGLLFGGC S
2504,31	-0,0048	0	41,79	0,0036	K	IEAQVGYP C V
1429,731	-0,0101	0	47,75	0,00094	K	YQNQPQSV V
1429,731	-0,0067	0	57,15	0,00011	K	YQNQPQSV V
1515,739	-0,0048	0	50,67	0,00043	R	AQAAQGM I L
1460,663	-0,0048	0	50,56	0,00038	R	SQELNEED K
2526,311	-0,0149	1	39,79	0,006	M	PNVIVSPCC L
2526,311	-0,0087	1	53,58	0,00025	M	PNVIVSPCC L
1144,522	-0,0053	0	38,42	0,0061	R	YCLANDYV I T
1182,661	-0,0085	0	40,68	0,0061	K	LPGQDLN V A
1182,661	-0,006	0	42,08	0,0043	K	LPGQDLN V A
1220,604	-0,0083	0	46,75	0,0021	K	EQTEEFV A I N
2526,218	-0,015	0	35,65	0,011	Q	PDFIVDN L A -
1552,731	-0,0041	0	80,76	6.30E-07	R	EAYPGDVF L
2125,149	-0,0102	1	39,3	0,012	R	VVDSLGRP I L
1854,962	0,0108	0	94,34	3.70E-08	K	IAQTVGTEN A
1712,816	0,0009	0	49,75	0,00092	V	SGPGWLDI S
2063,164	-0,0097	1	39,59	0,0027	R	RLPLEDAV S
2342,075	-0,0007	0	48,77	0,00034	K	STLESYEH C N
1326,751	-0,0109	0	46,23	0,0016	R	LLTGPEILA C L
2024,94	-0,0083	0	68,87	3.80E-06	R	SSEGLEDIA I
1586,779	-0,0102	0	91,44	6.70E-08	K	GTAGD TVD T
1440,696	-0,0047	0	51,55	0,0006	K	ATDLTDAV C L
1440,696	-0,0043	0	65,81	2.30E-05	K	ATDLTDAV C L
1846,906	-0,0013	0	54,94	0,00033	M	TESVISPED. Y
1846,906	-0,0012	0	39,03	0,013	M	TESVISPED. Y
1846,906	0,0028	0	53,03	0,00053	M	TESVISPED. Y
1331,693	0,0011	0	90,78	4.80E-08	K	ITVGVTSGA V
1662,788	-0,01	0	55,68	0,00019	K	AAEAEQAS, E
1662,788	-0,0029	0	58,16	0,00012	K	AAEAEQAS, E
1305,683	-0,0064	0	61,99	3.30E-05	K	DVAAQFFK I R
1305,683	-0,0059	0	60,22	5.00E-05	K	DVAAQFFK I R
1165,62	-0,0074	0	61,46	2.60E-05	R	SALEIHNQ\ G
1165,62	-0,006	0	37,13	0,0072	R	SALEIHNQ\ G
1677,884	-0,0024	0	47,19	0,001	K	EVAVQAGI F V
2001,089	-0,0065	1	48,4	0,001	R	EALTEVLAI/ F
2001,089	-0,0014	1	54,13	0,00025	R	EALTEVLAI/ F
2142,132	-0,0075	1	42,95	0,0029	K	IGFAALVEP. V
1361,697	-0,0045	0	51,9	0,00039	R	VTVQGQTS' V
1361,697	-0,0007	0	65,89	1.50E-05	R	VTVQGQTS' V
1300,687	-0,0076	0	49,31	0,0013	K	DQNL TIEEL Q
1477,705	-0,0047	1	64,91	1.30E-05	K	AETNFAEEV -
1206,603	-0,0049	0	64,14	4.00E-05	R	FADFVLDQ\ Q
1206,603	-0,0025	0	56,88	0,00022	R	FADFVLDQ\ Q
2382,091	-0,015	0	87,76	3.40E-08	R	VGEGPFPTI G
1319,639	-0,005	0	39,91	0,0047	R	QSGQDLLT H

1437,685	-0,0129	0	37,82	0,0064	K	HLDEQIAE/ L	
1535,769	-0,0158	1	53,3	0,00021	K	RVHPDLATIA	
1741,837	-0,0116	0	79,27	4.70E-07	K	AAVEAAGD' V	
1824,81	0,0032	1	36,39	0,0085	G	FTCDWTRT F	
1790,905	0,0029	0	87,45	2.00E-07	R	VYTNDPLIN	
1310,64	-0,0062	0	62,23	5.70E-05	R	MIEVAHQEI	
1310,64	-0,0037	0	62,17	5.90E-05	R	MIEVAHQEI	
1605,763	0,0015	0	86,03	1.10E-07	R	SDTPYQQA S	
1303,714	-0,0063	0	55,33	0,00015	R	FLTEDLGIAI T	
1768,9	0,0045	0	53,68	0,00048	R	DQNHPLLD -	
1245,657	-0,0129	0	40,08	0,0063	K	VISVAATDA A	
1329,645	-0,001	0	41,68	0,003	K	TLADAIDYA G	
2261,071	-0,0085	0	51,65	0,00027	R	SVPNDSLN Q	
1554,88	-0,0105	1	43,07	0,0029	K	IVVKLEGMM D	
1554,88	-0,0078	1	36,84	0,011	K	IVVKLEGMM D	
1575,739	0,0005	0	42,7	0,0019	K	LELTPGSEC R	
1752,026	-0,0136	1	32,31	0,011	K	IASNITELIG L	
1100,644	-0,0089	1	43,33	0,0026	K	SVAVEVKEL G	
1100,644	-0,0086	1	44,96	0,0014	K	SVAVEVKEL G	
1100,644	-0,0073	1	38,76	0,0055	K	SVAVEVKEL G	
1100,644	-0,0055	1	35,73	0,011	K	SVAVEVKEL G	
3358,354	-0,0026	0	48,85	5.20E-05	K	AEMTSWMI -	3 Oxidation
1172,655	-0,0065	0	56,33	0,00019	K	LFGSHTLSL S	
1172,655	-0,0032	0	42,25	0,0045	K	LFGSHTLSL S	
1424,749	-0,0062	1	41,41	0,0069	R	SWFPLLFES -	
2042,076	-0,0169	1	61,52	4.20E-05	R	ISREPLSLN N	
2042,076	-0,0045	1	49,68	0,00062	R	ISREPLSLN N	
1467,684	-0,0074	0	44,99	0,00099	K	LLSSLNPHI -	
1467,684	-0,0047	0	41,23	0,0024	K	LLSSLNPHI -	
1502,752	-0,0063	0	47,4	0,002	K	SWQEQGFIT	
2130,157	-0,0133	0	83,58	2.00E-07	R	QITQQYLVK Q	
1393,734	-0,0078	0	51,12	0,00037	M	TTTLDEVLD Q	
1393,734	-0,0056	0	58,7	6.20E-05	M	TTTLDEVLD Q	
1944,998	-0,0054	0	82,76	6.20E-07	I	MQSPLLTD A	Acetyl (N-ter)
1535,747	-0,0044	0	54,17	0,00019	K	FTVTASDGI I	
1535,747	-0,0011	0	49,76	0,00051	K	FTVTASDGI I	
1469,747	-0,0092	0	51,49	0,00035	A	TVSDLAGNI N	
1475,787	-0,0013	0	54,29	0,00018	K	LGEVNPTYI T	
1269,668	-0,0073	0	61,92	2.90E-05	R	AEGVNPVTI D	
1269,668	-0,0043	0	48,34	0,00068	R	AEGVNPVTI D	
2202,019	-0,0073	0	65,4	8.10E-06	R	HIDPEAHLE Q	
2202,019	-0,0063	0	38,17	0,0044	R	HIDPEAHLE Q	
1223,678	-0,0056	0	39,07	0,0037	R	LVTVPQH( L	
1424,73	-0,008	0	67,5	1.90E-05	R	FNAEAITQA D	
2268,066	-0,0161	0	55,1	9.10E-05	K	FNTLAQSLI K	
2268,066	-0,0112	0	49,46	0,00037	K	FNTLAQSLI K	
1078,65	-0,0047	1	42,73	0,00078	R	VKADGVHII G	
1199,615	-0,0098	0	50,78	0,00041	R	LENLQEEL( G	

2440,275	0,008	0	47,22	0,00091	K	IMDLETALP G
1914,932	-0,01	0	80,74	7.70E-07	R	SGIYTYSEA Q
1506,714	-0,0005	0	64,12	3.20E-05	K	VWAEGMG S
2133,179	-0,0038	1	43,84	0,002	K	VEGAALSGI -
1950,969	-0,0094	0	41,88	0,007	K	QPTVSIYTLI Q
1950,969	0,0013	0	63,45	5.00E-05	K	QPTVSIYTLI Q
1769,927	-0,0001	0	80,11	5.60E-07	T	SVQLLGGE A
1689,832	-0,0057	0	60,62	4.70E-05	R	VSNPSAFG V
1689,832	0,001	0	45,33	0,0017	R	VSNPSAFG V
1371,699	-0,003	1	58,51	7.70E-05	R	EREIETQLG M
1371,699	-0,0004	1	37,9	0,009	R	EREIETQLG M
1371,699	0,0017	1	44,68	0,0019	R	EREIETQLG M
1208,651	-0,0118	0	63,99	3.70E-05	K	SLAEIDLVG V
1367,802	-0,0029	0	34,61	0,0077	K	TAEILGKPL L
1489,77	-0,0034	0	43,94	0,0024	R	MLDTLVTGIS
1745,954	-0,0233	1	38,68	0,0072	I	PNLPHREL E
1745,954	-0,023	1	41,76	0,0036	I	PNLPHREL E
2128,212	-0,0226	1	57,33	0,0001	K	GVIIPNLPH E
1403,72	-0,0071	0	40,41	0,0054	R	LGEINPTYV S
1403,72	-0,0061	0	65,88	1.60E-05	R	LGEINPTYV S
1402,793	-0,0046	0	77,87	8.70E-07	K	HILEQAQA K
1298,673	0,0014	0	55,2	0,00031	K	EVFASVGN Q
1448,737	-0,0176	0	49,48	0,0013	R	QAATQSAL S
1817,901	-0,0046	0	77,38	1.00E-06	K	IITGVDSDLIA
1786,921	0,0022	0	59,35	0,00014	K	NNLPYEAAI H
2700,433	-0,0052	1	40,52	0,0042	R	LAEGTPVIV Q
2137,186	-0,0135	2	77,19	1.40E-06	K	RNNLPTTA G
2143,121	-0,0115	0	75,98	2.90E-06	-	MLDIQAIAQ
1348,771	-0,0066	0	55,96	0,00011	R	TNAAAVGPI R
1504,873	-0,0026	1	42,78	0,0013	R	TNAAAVGPI K
2147,859	-0,0115	0	74,93	7.20E-07	K	DYENMNQIS
2679,165	-0,014	0	57,25	2.10E-05	K	ECQLISSGI Q
2679,165	-0,0105	0	46,62	0,00026	K	ECQLISSGI Q
1493,7	-0,0111	0	56,62	7.50E-05	K	AIADGEEIY L
1493,7	-0,0046	0	39,71	0,0037	K	AIADGEEIY L
1619,841	-0,0034	0	74,56	2.00E-06	R	ALFVEDQLI T
1526,685	-0,0144	0	62,54	1.80E-05	M	SSTQDYIGE V
1733,942	-0,0161	1	37,88	0,0073	K	DPSTLIHKL E
1682,811	-0,0042	0	58,65	0,00012	R	SLDDLSEAL L
2258,14	-0,0127	1	41,18	0,0043	A	ADLAPTNNI A
1324,572	-0,0044	0	46,18	0,00057	R	YAVDGTPAI L
1329,689	-0,0071	0	53,93	0,00024	K	VTTDQAIAG
1278,624	-0,0071	0	57,64	0,00016	K	IAVTSCGLE V
1278,624	-0,0055	0	47,84	0,0016	K	IAVTSCGLE V
1135,635	-0,0076	0	49,58	0,00028	K	HGLEQVNL E
1135,635	-0,0057	0	34,04	0,011	K	HGLEQVNL E
1341,668	-0,0099	0	44,85	0,0014	K	EPSWQAIAI E
1421,788	-0,0063	0	73,05	1.50E-06	K	DALASEAIH T

2002,012	-0,0107	0	72,56	6.50E-06	I	PNLTVIRPA V	
1832,938	-0,0054	0	72,52	6.50E-06	K	ISTNGLSGC Y	
1864,865	-0,015	0	72,29	3.00E-06	R	SLASGQEIS T	
1396,793	-0,0042	0	46,03	0,0014	K	SPLLQTDLI I G	
2095,07	-0,0084	1	54,42	0,00036	R	GSGAYQQV R	
1492,727	-0,0106	1	47,75	0,0015	R	SQYEQLA E D	
1706,765	-0,0047	0	48,04	0,00058	K	GSLGGGFS G	
1626,833	-0,0085	1	50,26	0,0011	K	AIQAQQDA A	
1627,817	-0,0056	1	48,9	0,0007	K	AIQAEQDAI A	
1997,037	-0,0079	0	70,7	9.30E-06	R	GFDLPAF A E	
2227,112	-0,0097	0	70,59	9.30E-06	K	AAEVATELC F	
1561,657	-0,0053	0	34,83	0,0022	K	EHESEDMT -	
1561,657	-0,0052	0	42,11	0,00041	K	EHESEDMT -	
1577,652	-0,0144	0	26,95	0,011	K	EHESEDMT -	Oxidation (I
1577,652	-0,009	0	27,45	0,0095	K	EHESEDMT -	Oxidation (I
2314,265	-0,0136	1	70,06	9.20E-06	R	IAVVQNGIII E	
1448,708	-0,0108	0	42,62	0,0053	K	FIPNQSNM A	
2244,081	-0,0195	1	52,13	0,00025	K	DAIFDHSEL F	
1578,884	-0,0042	0	68,2	7.60E-06	K	HSLQLTLLS V	
1347,715	-0,003	0	67,77	9.30E-06	K	VIGQGTVSF D	
1580,71	-0,0075	1	46,49	0,00079	-	MNDNTTAS I	
1622,721	-0,0079	1	47,19	0,00052	-	MNDNTTAS I	Acetyl (N-te
1283,63	-0,0037	0	48,36	0,00052	R	FQQYDLAFI A	
1325,719	-0,0066	1	45,05	0,0014	K	KAEALAPEE F	
1050,593	-0,0077	0	39,99	0,0053	R	LLHQISQGI V	
2357,176	-0,0039	1	54,8	0,00019	K	SRQFDLAP E	
3617,578	-0,0079	1	65,98	1.50E-06	R	RSPADWQ (-	
1873,822	-0,0025	0	65,65	4.20E-06	K	SEGFIEDYS M	
1385,751	-0,0067	1	36,7	0,011	R	IRIAETLAEN K	
2545,339	-0,006	1	58,75	0,00012	M	SVVSQVILC G	
2104,095	-0,007	1	65,39	3.40E-05	R	AGFHDILIN Q	
1981,084	0,0021	0	64,79	1.90E-05	K	QGQLVQTE D	
2091,075	-0,0032	0	64,64	2.00E-05	R	QGENLVVII L	
1954,996	0,0009	0	64,2	4.20E-05	K	LLAIADGNA V	
1322,708	-0,0046	2	38,37	0,013	E	EYELGLSK A	
1451,751	-0,0068	2	49,9	0,00049	A	EEYELGLSK A	
1451,751	-0,0062	2	44,49	0,0018	A	EEYELGLSK A	
1151,568	-0,0011	0	35,6	0,012	V	AGGHVDAE Q	
1363,721	-0,0076	0	51,59	0,00032	K	LVAGGHVD Q	
1518,735	-0,0094	1	40,69	0,0078	R	NNAAKAE A	
2364,18	-0,0074	0	49,36	0,00067	K	FALVGHS M I	
2309,078	-0,0086	2	63,53	1.30E-05	K	DRDLVNEM R	
1259,724	-0,0063	0	48,09	0,00044	K	HIGGLDLLF G	
1259,724	-0,0032	0	38,31	0,0034	K	HIGGLDLLF G	
1633,795	-0,0046	0	63,36	2.40E-05	K	VYGVNDNF H	
1852,869	-0,0065	0	63,27	3.10E-05	R	QAQELDSD A	
2510,135	-0,0117	0	63	8.20E-06	R	LYQGDYDQ Q	
1975,946	-0,0103	1	62,82	2.10E-05	K	FPQANTDR Q	



1549,705	-0,0032	0	62,8	1.50E-05	R	DIEESGGW G	Acetyl (N-ter)
1651,908	0,0062	0	62,5	1.90E-05	-	MLTLGVNII Q	
1600,8	-0,0093	0	46,49	0,0026	R	AFQEHQEY F	
1849,965	-0,0036	1	44	0,0022	K	QAQTDHSC R	
1921,867	0,0001	2	34,67	0,0076	K	GKFQEDSW S	
2131,055	-0,0125	0	49,32	0,0013	M	TVSPTTQPC Q	
1279,739	-0,0092	0	62,43	1.10E-05	K	PLAGEEIP L T	
1235,637	-0,0024	0	35,98	0,012	R	LNEIAGNH C L	
2007,931	0,0112	0	51,21	0,00029	K	AIADTPDEP G	
1211,735	-0,0048	1	41,39	0,0013	M	VAVAVLAAC M	
1325,705	-0,0036	0	47,3	0,00088	K	QLAAANDII I	
1718,906	-0,0117	0	61,9	3.70E-05	R	LAAPAESRF V	
1228,678	-0,001	0	47,01	0,0018	K	AIATELVAQ I	
1960,913	0,0035	0	40,56	0,0061	K	ADGSLVTA Q	
1789,936	0,0005	0	61,4	4.00E-05	K	LPFFGGAT F E	
995,5512	-0,0077	0	36,03	0,0069	R	ATTLGHLQ F S	
1819,009	0,0058	0	48,25	0,00064	K	GLDVLQFL S G	
1414,705	-0,0147	0	60,85	7.90E-05	R	QAIADGTEL G	
1865,901	-0,0054	0	46,32	0,0011	I	SETQIELVH H	
2050,022	-0,0016	0	40,48	0,0094	K	AISETQIELV H	
1499,748	-0,0018	0	60,19	4.90E-05	R	FLHNQTTN A	
1953,897	-0,0098	0	60,05	5.00E-05	K	HQTWDDQ D	
1214,666	-0,0096	0	40,15	0,0094	L	FNHLTTILEI D	
1426,818	-0,0074	0	51,4	0,00039	K	VLFNHLTTII D	
1671,957	-0,0076	0	45,85	0,0017	R	LPIQALHGC R	
1965,863	-0,0026	0	38,46	0,0018	R	ADMDALPV S	
1670,918	-0,0126	1	35,71	0,013	K	LPADYAIGP T	
1670,918	-0,01	1	51,71	0,00032	K	LPADYAIGP T	
1197,697	-0,0098	1	46,77	0,00074	L	PSLEAEIAKI M	
1310,781	-0,007	1	42,61	0,0018	K	LPSLEAEIAI M	
1450,735	-0,0065	0	39,65	0,012	K	VVSHPQAL W	
2030,966	-0,0036	0	49,5	0,00092	R	GTNTETVAL T	
1556,793	-0,006	0	57,72	0,0002	R	QLIEDELAD V	
1403,73	-0,005	0	57,49	0,00011	R	ETEPLSAQA L	
1575,826	-0,0041	0	57,24	0,00011	M	SHSDLPLAI I	
1150,646	-0,01	0	56,3	0,00016	R	LSQEIVAVH Q	
2003,882	-0,0087	0	56,27	3.50E-05	K	TGQDVTFE A	
1324,76	-0,0066	0	55,29	0,00015	R	IVVESVLPN A	
1508,682	-0,0041	0	54,85	0,00013	K	AEDYSPEQI A	
1500,805	-0,0122	1	54,78	0,00037	R	FVKGDNGA L	
1559,82	-0,0024	0	54,44	0,00021	R	LGQTQDYL A	
1366,641	-0,0053	0	53,88	0,0003	I	MSPLGVHE F	
1277,636	-0,0094	0	53,82	0,0002	R	TNDQQLVA L	
2141,232	-0,0068	1	53,23	6.60E-05	K	DVGLTPHLI F	
1401,63	-0,0088	0	52,88	9.30E-05	K	AFSETDFTE K	
1366,652	-0,0028	0	52,69	0,00046	K	ASPEAEYGI L	
1453,757	-0,0119	0	43,57	0,002	T	PADWDAVL G	
1622,983	-0,0019	1	31,55	0,0051	K	VIVVTGGNF L	

1395,657	0,0018	0	52,13	0,00025	K	GYGPEQGY E	
1253,64	-0,0032	0	52,11	0,00025	R	ANLTSANF/ L	
1354,699	-0,0059	0	51,88	0,0007	R	HANFIVNID A	
1478,773	-0,0051	0	39,76	0,011	R	IAEPVVPPQ T	
1478,773	0,0021	0	41,39	0,0073	R	IAEPVVPPQ T	
1701,817	-0,0129	0	51,42	0,00031	R	TPEEGTTTV H	
2102,055	-0,0215	1	51,07	0,00041	K	SINDLAGHI S	
1320,824	-0,0025	1	26,1	0,011	K	ILEQALLRLI K	
2778,285	-0,0054	2	48,85	0,00034	R	QIPNVGND -	
1337,742	-0,0031	0	50,92	0,00026	R	AVLPQNLT( D	
1775,917	-0,023	0	50,73	0,0005	K	AGASGIGNI D	
1546,766	-0,0038	0	50,36	0,001	R	SMISQLDDI I	
1066,567	-0,0061	0	50,32	0,00084	T	GPNLHGLF K	
1834,874	-0,0044	0	50,24	0,00076	K	TLQLQEDH Q	
1787,042	0,0195	1	33,41	0,0038	V	HLILDRANF K	
1787,042	0,0211	1	37,68	0,0013	V	HLILDRANF K	
1965,914	-0,0182	0	49,96	0,00056	K	FAAFMTEHI A	
1189,609	-0,0114	0	45,16	0,0018	L	PIYISQDQA S	
1821,109	-0,0044	1	32,05	0,0031	R	VAGIALDAV D	
1911,896	-0,0061	0	49,53	0,0004	K	LADFVTAIG K	
1584,702	-0,0001	0	49,48	0,00041	K	YQGQMQSIT	
1889,869	-0,0168	0	37,86	0,0037	K	LAQSSPDH N	
1889,869	-0,0105	0	35,11	0,0075	K	LAQSSPDH N	
1792,947	-0,018	1	49,27	0,00064	K	HYLELLQQI F	
1204,555	-0,0094	1	49,22	0,00061	K	SASAYEMYIS	
1318,652	-0,0083	0	49	0,0014	R	YGQPEEVAI F	
1971,965	-0,0087	0	48,57	0,0007	R	FGDTAPVQ I	
1700,873	0,0014	0	48,5	0,0017	K	IQDQQGTT, Q	
2091,017	-0,0091	0	48,35	0,0007	K	AQDHLDWI N	
1278,693	-0,0075	0	48,31	0,0013	R	GGGHIIEDL S	
1368,7	-0,0073	0	47,93	0,0016	R	GVPSVQNC L	
1186,61	-0,005	0	47,81	0,0019	R	YSGALVGD I	
1617,858	0,02	2	47,52	0,00083	-	MGVLIGIMF G	Acetyl (N-ter)
1493,725	-0,0059	0	47,12	0,00094	K	ESAVYQEIL I	
1645,806	-0,0101	1	46,29	0,0011	K	RQPEPEPV/ F	
1369,757	-0,0071	0	45,97	0,0013	K	LLADSGIDI' V	
2718,302	-0,0015	1	45,6	0,0012	K	QGDLQSLC R	
1324,75	-0,0194	0	45,06	0,0021	L	WLA AVQQ( I	Acetyl (N-ter)
1623,695	-0,0098	0	45,02	0,00028	K	SSQCSDW( A	
1630,816	-0,004	1	44,88	0,0039	K	EGADRVVD A	
1335,616	-0,0033	0	44,55	0,0012	K	TCLSLSDPI F	
1656,916	-0,0065	1	44,52	0,0025	M	ATEVLNKP( H	
1445,751	0,0002	0	44,37	0,002	R	NIQGLAYDI V	
1907,916	-0,0112	0	44,21	0,0016	-	MIQQQTYLI K	
1825,896	-0,01	2	44,16	0,0018	K	RSDPDYEQ E	
1423,753	-0,0085	0	43,99	0,0017	K	AIGAQVNQ Q	
1262,677	-0,003	0	43,9	0,0039	R	FSLYALGLS D	
1730,844	-0,0078	2	43,74	0,0019	K	KVEADDDL A	

2182,084	0,0023	0	43,64	0,0025 K	SEEIFAAQ A	
1572,793	-0,0074	0	43,58	0,0052 R	TGDILSPGT Q	
1934,033	-0,0161	1	43,53	0,0023 R	RVEDAAILL D	
1357,674	-0,0088	0	43,3	0,0023 R	ASGAYQDIK D	
1315,655	-0,0111	0	43,24	0,0025 R	LGANNEGA L	
2200,248	-0,0187	0	43,22	0,0026 K	AIAEARPEIV R	
1170,618	-0,0034	0	42,63	0,0061 R	LPANQVCT K	
1532,783	-0,0022	0	42,61	0,0068 M	AFNIESEIIN L	
1384,767	-0,0065	2	42,6	0,0045 K	ILVVDDKSV L	
1430,777	-0,0034	0	42,59	0,0048 R	FGGDNTPIL G	
1128,578	-0,0031	0	42,17	0,0064 R	LGADQAGC N	
1344,729	-0,0106	0	41,9	0,0065 K	FPLLADSDC T	
1689,799	-0,0019	0	41,81	0,0026 R	EVIADSIETV M	
1270,703	-0,0075	0	41,47	0,0065 K	VVGWGNL/ E	
1871,909	0,0023	0	41,38	0,0038 R	ATFINTNLE' A	
1712,826	-0,0042	0	41,11	0,007 K	ELGIGGDPF -	
1608,753	-0,0082	0	41,04	0,005 R	VINYQPDGI L	
1558,836	-0,005	0	41,03	0,0077 K	ALSANGNP V	
2314,202	-0,0099	0	40,74	0,005 K	NILSLSQGC S	
2534,193	-0,0062	1	40,7	0,0029 K	VQALEEANIK K	
1401,725	-0,0053	0	40,65	0,0054 K	AVAAEFSTP F	
1163,582	-0,0065	0	40,48	0,0044 K	YNQALIEAC R	
1519,763	0,0031	0	40,46	0,0051 R	GSVFNGAN G	
1902,907	-0,008	0	40,32	0,0069 K	GVPTAPSNIN	
1759,899	0	1	40,2	0,0058 K	ADYSQPGL L	
971,5764	-0,0074	1	40,05	0,0037 R	NVSSIALRL P	
1554,775	-0,0033	0	40,02	0,011 K	IVGPGQDL/ S	
3071,636	-0,0144	1	39,72	0,0044 R	IILLSDGLAN G	
1542,673	-0,008	0	39,67	0,0025 L	QGESHQVI Q	
1632,778	-0,0012	0	39,53	0,009 K	YYNANAAV' A	
1473,721	-0,0043	0	39,48	0,0056 R	SQFQGNLP H	
1355,716	-0,0086	0	39,45	0,0064 K	ALVAATAD/ V	
1900,805	0,0016	0	39,44	0,0016 R	AYGNENWI R	
1734,84	0,0137	0	39,44	0,013 K	VMGAFAQE V	
2806,287	-0,0154	1	39,08	0,0053 R	VITDFMAQC F	
1838,88	-0,0051	0	39,06	0,011 R	AGETLPYQ\ I	
1499,849	-0,0115	2	39,04	0,0047 K	MGGKIVKVI P	Acetyl (N-ter)
1099,599	-0,0113	1	38,87	0,0078 K	TRLEESLPR L	
1248,683	-0,017	0	38,49	0,014 E	AAGEIEHIL\ H	Acetyl (N-ter)
1087,617	-0,0082	1	38,36	0,0056 K	AMILAAGKC V	
1992,02	-0,026	0	38,24	0,0085 K	AIAEGADYII A	
1011,554	0,0076	0	38,24	0,0055 K	AIMQALPAF L	Acetyl (N-ter)
1239,686	-0,0085	0	38,21	0,0059 K	LVVDYPPP/ Q	
2218,021	-0,0055	1	38,18	0,004 K	EEDAAIEAL V	
1437,684	-0,0071	0	38,18	0,0061 M	TETTITTSDN Y	
1793,832	-0,0015	0	37,94	0,0052 K	VFLEGAEP€ L	
1837,913	-0,0125	0	37,7	0,0092 K	MGSDSGAL A	
1179,516	0,0035	0	34,98	0,0069 K	EDFDNALN L	

1179,516	0,0047	0	33,19	0,011 K	EDFDNALN L
1299,678	-0,0046	0	36,85	0,012 K	TDIADASRF Q
1366,615	-0,0056	0	36,82	0,0088 R	HYNTDNEL F
1010,576	-0,0041	0	36,4	0,011 N	PEISSLPLR I
2087,991	-0,0014	0	36,22	0,01 K	WDGTGYPC L
1219,652	-0,0065	1	36,2	0,012 K	RLDTTSSTL R
1395,699	0,0015	1	36,12	0,01 R	TGLINDTTK W
1083,608	-0,0143	0	35,86	0,011 T	PPLDFVGAI Q
2883,331	-0,0097	0	35,54	0,0067 R	HGYLYDAD A
2103,903	-0,0124	1	35,45	0,005 K	DCQAPQVF W
1533,685	-0,0136	1	35,02	0,0052 K	GREFAPQG A
1169,582	0,003	0	34,1	0,014 K	VDEIEQLLD S
1815,037	-0,0008	0	33,9	0,012 K	LVLVNPQIP T
1989,275	0,0063	1	19,82	0,01 W	PEILLILGVV I

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	Cmpd 18968, +MS2(423.7272), 31.9eV, 49.60-49.61min, 1/K0=0.697 #1
	Cmpd 18657, +MS2(426.7333), 31.9eV, 49.42-49.43min, 1/K0=0.708 #1
	Cmpd 3169, +MS2(426.7338), 31.9eV, 38.307-38.314min, 1/K0=0.716 #1
	Cmpd 4167, +MS2(426.7341), 31.9eV, 39.310-39.316min, 1/K0=0.716 #1
	Cmpd 7029, +MS2(426.7362), 31.9eV, 41.885-41.889min, 1/K0=0.709 #1
	Cmpd 19642, +MS2(444.7438), 31.9eV, 50.0min, 1/K0=0.735 #24708
	Cmpd 19972, +MS2(444.7438), 31.9eV, 50.1min, 1/K0=0.735 #24773
	Cmpd 51976, +MS2(469.2662), 31.9eV, 64.574-64.576min, 1/K0=0.733
	Cmpd 17151, +MS2(487.7625), 31.9eV, 48.559-48.563min, 1/K0=0.755
	Cmpd 26038, +MS2(487.7634), 31.9eV, 53.3min, 1/K0=0.753 #26478
	Cmpd 2463, +MS2(495.2636), 31.9eV, 37.6min, 1/K0=0.772 #18118
	Cmpd 19752, +MS2(501.2863), 31.9eV, 50.0min, 1/K0=0.751 #24729
	Cmpd 19634, +MS2(501.2867), 31.9eV, 50.0min, 1/K0=0.755 #24707
	Cmpd 20491, +MS2(501.2871), 31.9eV, 50.4min, 1/K0=0.764 #24949
1.000000000.0	Cmpd 3815, +MS2(516.2674), 31.9eV, 39.0min, 1/K0=0.778 #18866
1.000000000.0	Cmpd 5122, +MS2(516.2704), 31.9eV, 40.216-40.220min, 1/K0=0.775 #1
	Cmpd 38903, +MS2(519.7327), 31.9eV, 59.279-59.282min, 1/K0=0.758
	Cmpd 25962, +MS2(537.2985), 31.9eV, 53.257-53.259min, 1/K0=0.828
	Cmpd 26079, +MS2(537.2998), 31.9eV, 53.3min, 1/K0=0.830 #26489
	Cmpd 37895, +MS2(545.2738), 31.9eV, 58.841-58.844min, 1/K0=0.774
	Cmpd 91159, +MS2(564.7835), 31.9eV, 79.2min, 1/K0=0.807 #40140
	Cmpd 92215, +MS2(564.7837), 31.9eV, 79.6min, 1/K0=0.806 #40362
	Cmpd 89924, +MS2(564.7837), 31.9eV, 78.7min, 1/K0=0.804 #39909
	Cmpd 91112, +MS2(564.7837), 31.9eV, 79.2min, 1/K0=0.804 #40130
	Cmpd 88937, +MS2(564.7844), 31.9eV, 78.3min, 1/K0=0.806 #39689
	Cmpd 94694, +MS2(564.7848), 31.9eV, 80.60-80.62min, 1/K0=0.806 #4
	Cmpd 93693, +MS2(564.7857), 31.9eV, 80.192-80.194min, 1/K0=0.799
	Cmpd 11618, +MS2(565.8008), 31.9eV, 45.0min, 1/K0=0.825 #22100
	Cmpd 11749, +MS2(565.8032), 31.9eV, 45.1min, 1/K0=0.829 #22144
	Cmpd 11755, +MS2(565.8035), 31.9eV, 45.1min, 1/K0=0.815 #22145
	Cmpd 11784, +MS2(565.8035), 31.9eV, 45.2min, 1/K0=0.813 #22156
	Cmpd 11889, +MS2(565.8036), 31.9eV, 45.2min, 1/K0=0.828 #22199
	Cmpd 35567, +MS2(565.8049), 31.9eV, 57.871-57.873min, 1/K0=0.817
	Cmpd 22198, +MS2(565.8074), 31.9eV, 51.3min, 1/K0=0.821 #25400
	Cmpd 21520, +MS2(565.8078), 31.9eV, 50.8min, 1/K0=0.819 #25180
	Cmpd 19819, +MS2(565.8092), 31.9eV, 50.0min, 1/K0=0.806 #24740
	Cmpd 19935, +MS2(565.8079), 31.9eV, 50.1min, 1/K0=0.788 #24763
	Cmpd 20840, +MS2(565.8100), 31.9eV, 50.6min, 1/K0=0.798 #25048
	Cmpd 23668, +MS2(565.8104), 31.9eV, 52.1min, 1/K0=0.816 #25843
	Cmpd 22907, +MS2(565.8105), 31.9eV, 51.7min, 1/K0=0.817 #25620
	Cmpd 19784, +MS2(565.8104), 31.9eV, 50.0min, 1/K0=0.791 #24732
	Cmpd 19685, +MS2(565.8108), 31.9eV, 50.0min, 1/K0=0.811 #24718
	Cmpd 796, +MS2(565.8106), 31.9eV, 34.79-34.81min, 1/K0=0.808 #16
	Cmpd 20541, +MS2(565.8108), 31.9eV, 50.4min, 1/K0=0.811 #24960
	Cmpd 20591, +MS2(565.8109), 31.9eV, 50.5min, 1/K0=0.795 #24972
	Cmpd 26217, +MS2(572.8161), 37.0eV, 53.4min, 1/K0=0.863 #26523
	Cmpd 26785, +MS2(572.8165), 31.9eV, 53.7min, 1/K0=0.847 #26678

Cmpd 25881, +MS2(572.8172), 37.0eV, 53.218-53.220min, 1/K0=0.864  
Cmpd 27727, +MS2(572.8176), 31.9eV, 54.205-54.207min, 1/K0=0.854  
Cmpd 26008, +MS2(572.8179), 37.0eV, 53.3min, 1/K0=0.866 #26469  
Cmpd 27593, +MS2(572.8190), 37.0eV, 54.1min, 1/K0=0.857 #26913  
Cmpd 1566, +MS2(590.7987), 31.9eV, 36.6min, 1/K0=0.826 #17601  
Cmpd 1897, +MS2(590.7990), 31.9eV, 37.029-37.036min, 1/K0=0.826 #1897  
Cmpd 114336, +MS2(591.7952), 37.0eV, 86.7min, 1/K0=0.857 #44048  
Cmpd 114481, +MS2(591.7966), 37.0eV, 86.7min, 1/K0=0.858 #44067  
Cmpd 11512, +MS2(591.7968), 31.9eV, 44.985-44.989min, 1/K0=0.854  
Cmpd 39452, +MS2(594.8056), 31.9eV, 59.519-59.521min, 1/K0=0.815  
Cmpd 38810, +MS2(594.8060), 31.9eV, 59.233-59.235min, 1/K0=0.801  
Cmpd 37548, +MS2(594.8056), 31.9eV, 58.682-58.686min, 1/K0=0.802  
Cmpd 38794, +MS2(594.8059), 31.9eV, 59.224-59.226min, 1/K0=0.815  
Cmpd 35044, +MS2(594.8063), 31.9eV, 57.6min, 1/K0=0.812 #28777  
Cmpd 36077, +MS2(594.8063), 31.9eV, 58.084-58.087min, 1/K0=0.816  
Cmpd 39489, +MS2(594.8072), 31.9eV, 59.536-59.538min, 1/K0=0.816  
Cmpd 37840, +MS2(594.8076), 31.9eV, 58.810-58.812min, 1/K0=0.809  
Cmpd 39229, +MS2(594.8079), 31.9eV, 59.417-59.422min, 1/K0=0.814  
Cmpd 34015, +MS2(594.8082), 31.9eV, 57.230-57.234min, 1/K0=0.817  
Cmpd 52429, +MS2(598.3076), 31.9eV, 64.7min, 1/K0=0.806 #32506  
Cmpd 52522, +MS2(598.3090), 31.9eV, 64.7min, 1/K0=0.818 #32528  
Cmpd 19548, +MS2(601.3223), 37.0eV, 49.9min, 1/K0=0.866 #24680  
Cmpd 19604, +MS2(601.3236), 37.0eV, 49.9min, 1/K0=0.868 #24697  
Cmpd 19606, +MS2(601.3236), 31.9eV, 49.9min, 1/K0=0.843 #24698  
Cmpd 25022, +MS2(602.3425), 37.0eV, 52.76-52.78min, 1/K0=0.866 #25022  
Cmpd 24958, +MS2(602.3449), 37.0eV, 52.730-52.734min, 1/K0=0.863  
Cmpd 27040, +MS2(608.3343), 37.0eV, 53.801-53.803min, 1/K0=0.889  
Cmpd 26209, +MS2(608.3345), 37.0eV, 53.4min, 1/K0=0.887 #26522  
Cmpd 26333, +MS2(608.3359), 37.0eV, 53.429-53.433min, 1/K0=0.860  
Cmpd 25870, +MS2(608.3362), 37.0eV, 53.214-53.216min, 1/K0=0.885  
Cmpd 26002, +MS2(608.3370), 37.0eV, 53.3min, 1/K0=0.886 #26468  
Cmpd 117677, +MS2(618.2952), 31.9eV, 87.522-87.528min, 1/K0=0.82  
Cmpd 116020, +MS2(621.3247), 31.9eV, 87.09-87.11min, 1/K0=0.848 #116020  
Cmpd 52806, +MS2(623.3187), 31.9eV, 64.872-64.878min, 1/K0=0.840  
Cmpd 104244, +MS2(623.3197), 31.9eV, 83.962-83.966min, 1/K0=0.84  
Cmpd 79627, +MS2(623.3210), 31.9eV, 74.782-74.784min, 1/K0=0.838  
Cmpd 79456, +MS2(623.3211), 31.9eV, 74.737-74.740min, 1/K0=0.837  
Cmpd 89234, +MS2(623.3216), 31.9eV, 78.444-78.448min, 1/K0=0.843  
Cmpd 67840, +MS2(623.2911), 31.9eV, 70.561-70.563min, 1/K0=0.839  
Cmpd 20410, +MS2(623.3212), 37.0eV, 50.4min, 1/K0=0.856 #24927  
Cmpd 21856, +MS2(623.3218), 31.9eV, 51.041-51.050min, 1/K0=0.775  
Cmpd 42800, +MS2(623.3220), 31.9eV, 60.9min, 1/K0=0.834 #30504  
Cmpd 21873, +MS2(623.3219), 31.9eV, 51.1min, 1/K0=0.839 #25290  
Cmpd 15757, +MS2(623.3223), 31.9eV, 47.707-47.709min, 1/K0=0.839  
Cmpd 50602, +MS2(623.3224), 31.9eV, 64.0min, 1/K0=0.839 #32143  
Cmpd 21979, +MS2(623.3222), 37.0eV, 51.1min, 1/K0=0.860 #25334  
Cmpd 21617, +MS2(623.3222), 31.9eV, 50.9min, 1/K0=0.852 #25202  
Cmpd 34769, +MS2(623.3224), 31.9eV, 57.493-57.497min, 1/K0=0.834

Cmpd 35150, +MS2(623.3225), 31.9eV, 57.7min, 1/K0=0.834 #28799  
Cmpd 22017, +MS2(623.3224), 31.9eV, 51.2min, 1/K0=0.853 #25346  
Cmpd 46973, +MS2(623.3227), 31.9eV, 62.6min, 1/K0=0.842 #31386  
Cmpd 88112, +MS2(623.3228), 31.9eV, 77.999-78.001min, 1/K0=0.847  
Cmpd 25915, +MS2(623.3226), 37.0eV, 53.2min, 1/K0=0.864 #26445  
Cmpd 27431, +MS2(623.3227), 31.9eV, 54.0min, 1/K0=0.848 #26855  
Cmpd 33137, +MS2(623.3228), 31.9eV, 56.8min, 1/K0=0.843 #28349  
Cmpd 27285, +MS2(623.3228), 31.9eV, 53.9min, 1/K0=0.847 #26811  
Cmpd 28728, +MS2(623.3228), 31.9eV, 54.7min, 1/K0=0.843 #27248  
Cmpd 87674, +MS2(623.3230), 31.9eV, 77.8min, 1/K0=0.840 #39422  
Cmpd 19633, +MS2(623.3227), 31.9eV, 50.0min, 1/K0=0.841 #24707  
Cmpd 94561, +MS2(623.3231), 31.9eV, 80.547-80.557min, 1/K0=0.836  
Cmpd 20910, +MS2(623.3226), 31.9eV, 50.6min, 1/K0=0.838 #25070  
Cmpd 20597, +MS2(623.3228), 31.9eV, 50.5min, 1/K0=0.775 #24973  
Cmpd 24410, +MS2(623.3235), 31.9eV, 52.469-52.471min, 1/K0=0.817  
Cmpd 20380, +MS2(623.3226), 31.9eV, 50.351-50.355min, 1/K0=0.792  
Cmpd 27279, +MS2(623.3230), 31.9eV, 53.9min, 1/K0=0.833 #26809  
Cmpd 26518, +MS2(623.3230), 31.9eV, 53.5min, 1/K0=0.842 #26588  
Cmpd 28000, +MS2(623.3232), 31.9eV, 54.3min, 1/K0=0.842 #27029  
Cmpd 53799, +MS2(623.3234), 31.9eV, 65.3min, 1/K0=0.843 #32816  
Cmpd 31258, +MS2(623.3233), 31.9eV, 56.0min, 1/K0=0.844 #27908  
Cmpd 48114, +MS2(623.3237), 31.9eV, 63.0min, 1/K0=0.840 #31606  
Cmpd 30439, +MS2(623.3235), 31.9eV, 55.6min, 1/K0=0.841 #27688  
Cmpd 19599, +MS2(623.3234), 31.9eV, 49.9min, 1/K0=0.835 #24696  
Cmpd 39766, +MS2(623.3236), 31.9eV, 59.7min, 1/K0=0.838 #29846  
Cmpd 51188, +MS2(623.3237), 31.9eV, 64.2min, 1/K0=0.840 #32265  
Cmpd 34070, +MS2(623.3237), 31.9eV, 57.2min, 1/K0=0.840 #28569  
Cmpd 54937, +MS2(623.3240), 31.9eV, 65.702-65.704min, 1/K0=0.845  
Cmpd 31930, +MS2(623.3236), 31.9eV, 56.318-56.320min, 1/K0=0.822  
Cmpd 36915, +MS2(623.3239), 31.9eV, 58.4min, 1/K0=0.849 #29186  
Cmpd 22701, +MS2(623.3238), 31.9eV, 51.6min, 1/K0=0.840 #25565  
Cmpd 22539, +MS2(623.3238), 31.9eV, 51.5min, 1/K0=0.800 #25510  
Cmpd 37887, +MS2(623.3239), 31.9eV, 58.8min, 1/K0=0.846 #29408  
Cmpd 25645, +MS2(623.3245), 31.9eV, 53.1min, 1/K0=0.849 #26369  
Cmpd 25800, +MS2(623.3235), 31.9eV, 53.2min, 1/K0=0.824 #26412  
Cmpd 23440, +MS2(623.3240), 31.9eV, 52.0min, 1/K0=0.841 #25785  
Cmpd 36103, +MS2(623.3242), 31.9eV, 58.1min, 1/K0=0.833 #29019  
Cmpd 31428, +MS2(623.3243), 31.9eV, 56.1min, 1/K0=0.824 #27954  
Cmpd 55965, +MS2(623.3246), 31.9eV, 66.1min, 1/K0=0.846 #33255  
Cmpd 48479, +MS2(623.3246), 31.9eV, 63.1min, 1/K0=0.845 #31683  
Cmpd 32157, +MS2(623.3247), 31.9eV, 56.4min, 1/K0=0.845 #28128  
Cmpd 38847, +MS2(623.3248), 31.9eV, 59.2min, 1/K0=0.839 #29626  
Cmpd 23241, +MS2(623.3247), 31.9eV, 51.9min, 1/K0=0.816 #25719  
Cmpd 56917, +MS2(623.3250), 31.9eV, 66.5min, 1/K0=0.844 #33474  
Cmpd 19570, +MS2(623.3249), 31.9eV, 49.9min, 1/K0=0.838 #24686  
Cmpd 62515, +MS2(623.3250), 31.9eV, 68.559-68.560min, 1/K0=0.846  
Cmpd 33702, +MS2(623.3251), 31.9eV, 57.1min, 1/K0=0.843 #28491  
Cmpd 25729, +MS2(623.3252), 31.9eV, 53.1min, 1/K0=0.824 #26390

Cmpd 24283, +MS2(623.3252), 31.9eV, 52.4min, 1/K0=0.843 #26005  
Cmpd 50121, +MS2(623.3255), 31.9eV, 63.8min, 1/K0=0.842 #32046  
Cmpd 22957, +MS2(623.3256), 37.0eV, 51.7min, 1/K0=0.860 #25632  
Cmpd 63454, +MS2(623.3257), 31.9eV, 68.975-68.977min, 1/K0=0.839  
Cmpd 78041, +MS2(623.3258), 31.9eV, 74.219-74.221min, 1/K0=0.837  
Cmpd 45062, +MS2(623.3258), 31.9eV, 61.7min, 1/K0=0.837 #30947  
Cmpd 29589, +MS2(623.3258), 31.9eV, 55.2min, 1/K0=0.842 #27468  
Cmpd 23310, +MS2(623.3259), 31.9eV, 51.9min, 1/K0=0.822 #25742  
Cmpd 23185, +MS2(623.3260), 31.9eV, 51.8min, 1/K0=0.817 #25699  
Cmpd 40973, +MS2(623.3274), 31.9eV, 60.143-60.145min, 1/K0=0.855  
Cmpd 119351, +MS2(633.2686), 31.9eV, 87.98-87.99min, 1/K0=0.817 #26005  
Cmpd 74531, +MS2(642.3309), 31.9eV, 73.0min, 1/K0=0.850 #36863  
Cmpd 74331, +MS2(642.3329), 31.9eV, 72.895-72.897min, 1/K0=0.845  
Cmpd 25969, +MS2(643.8532), 37.0eV, 53.261-53.263min, 1/K0=0.921  
Cmpd 26086, +MS2(643.8549), 37.0eV, 53.3min, 1/K0=0.920 #26491  
Cmpd 81404, +MS2(644.3373), 37.0eV, 75.4min, 1/K0=0.857 #38159  
Cmpd 134119, +MS2(644.3379), 31.9eV, 99.12-99.14min, 1/K0=0.848 #26005  
Cmpd 16344, +MS2(644.3414), 31.9eV, 48.036-48.043min, 1/K0=0.853  
Cmpd 52987, +MS2(644.3384), 37.0eV, 64.954-64.956min, 1/K0=0.863  
Cmpd 134183, +MS2(644.3388), 31.9eV, 100.802-100.810min, 1/K0=0.84  
Cmpd 133864, +MS2(644.3388), 31.9eV, 95.854-95.857min, 1/K0=0.84  
Cmpd 77199, +MS2(644.3392), 37.0eV, 73.90-73.91min, 1/K0=0.858 #26005  
Cmpd 64990, +MS2(644.3392), 37.0eV, 69.559-69.561min, 1/K0=0.863  
Cmpd 25803, +MS2(644.3391), 37.0eV, 53.2min, 1/K0=0.862 #26413  
Cmpd 133395, +MS2(644.3396), 31.9eV, 95.037-95.038min, 1/K0=0.84  
Cmpd 73574, +MS2(644.3397), 31.9eV, 72.618-72.620min, 1/K0=0.855  
Cmpd 133406, +MS2(644.3401), 31.9eV, 95.057-95.063min, 1/K0=0.83  
Cmpd 130500, +MS2(644.3397), 37.0eV, 92.2min, 1/K0=0.856 #46906  
Cmpd 37044, +MS2(644.3386), 37.0eV, 58.468-58.470min, 1/K0=0.860  
Cmpd 134077, +MS2(644.3398), 31.9eV, 97.869-97.873min, 1/K0=0.84  
Cmpd 104399, +MS2(644.3399), 37.0eV, 84.021-84.031min, 1/K0=0.85  
Cmpd 84743, +MS2(644.3401), 37.0eV, 76.664-76.666min, 1/K0=0.861  
Cmpd 80108, +MS2(644.3401), 31.9eV, 74.948-74.950min, 1/K0=0.850  
Cmpd 37149, +MS2(644.3398), 37.0eV, 58.508-58.511min, 1/K0=0.863  
Cmpd 99624, +MS2(644.3405), 37.0eV, 82.285-82.289min, 1/K0=0.860  
Cmpd 86001, +MS2(644.3403), 37.0eV, 77.2min, 1/K0=0.861 #39073  
Cmpd 100617, +MS2(644.3399), 37.0eV, 82.7min, 1/K0=0.858 #41977  
Cmpd 133952, +MS2(644.3407), 31.9eV, 96.3min, 1/K0=0.849 #49086  
Cmpd 61815, +MS2(644.3407), 37.0eV, 68.3min, 1/K0=0.856 #34413  
Cmpd 38398, +MS2(644.3406), 31.9eV, 59.1min, 1/K0=0.847 #29525  
Cmpd 134070, +MS2(644.3408), 31.9eV, 97.467-97.471min, 1/K0=0.84  
Cmpd 99572, +MS2(644.3408), 37.0eV, 82.262-82.266min, 1/K0=0.859  
Cmpd 59061, +MS2(644.3409), 37.0eV, 67.3min, 1/K0=0.858 #33860  
Cmpd 134153, +MS2(644.3410), 31.9eV, 99.99-100.00min, 1/K0=0.850  
Cmpd 25208, +MS2(644.3410), 37.0eV, 52.866-52.868min, 1/K0=0.860  
Cmpd 78676, +MS2(644.3408), 31.9eV, 74.5min, 1/K0=0.843 #37655  
Cmpd 128736, +MS2(644.3411), 31.9eV, 91.31-91.32min, 1/K0=0.852 #26005  
Cmpd 102338, +MS2(644.3412), 37.0eV, 83.3min, 1/K0=0.864 #42314



Cmpd 133225, +MS2(644.3412), 31.9eV, 94.6min, 1/K0=0.849 #48225  
Cmpd 132727, +MS2(644.3413), 31.9eV, 93.807-93.809min, 1/K0=0.85  
Cmpd 15578, +MS2(644.3409), 31.9eV, 47.595-47.598min, 1/K0=0.855  
Cmpd 49884, +MS2(644.3412), 37.0eV, 63.724-63.726min, 1/K0=0.869  
Cmpd 133603, +MS2(644.3413), 31.9eV, 95.441-95.443min, 1/K0=0.84  
Cmpd 24064, +MS2(644.3410), 31.9eV, 52.286-52.292min, 1/K0=0.855  
Cmpd 78968, +MS2(644.3415), 37.0eV, 74.581-74.583min, 1/K0=0.870  
Cmpd 88525, +MS2(644.3416), 37.0eV, 78.169-78.173min, 1/K0=0.871  
Cmpd 28974, +MS2(644.3412), 37.0eV, 54.9min, 1/K0=0.859 #27315  
Cmpd 82505, +MS2(644.3414), 31.9eV, 75.8min, 1/K0=0.855 #38371  
Cmpd 83604, +MS2(644.3402), 37.0eV, 76.2min, 1/K0=0.865 #38591  
Cmpd 78717, +MS2(644.3414), 31.9eV, 74.5min, 1/K0=0.855 #37665  
Cmpd 86845, +MS2(644.3414), 31.9eV, 77.5min, 1/K0=0.851 #39249  
Cmpd 134060, +MS2(644.3415), 31.9eV, 97.073-97.078min, 1/K0=0.84  
Cmpd 39655, +MS2(644.3414), 37.0eV, 59.6min, 1/K0=0.872 #29822  
Cmpd 87904, +MS2(644.3415), 37.0eV, 77.9min, 1/K0=0.856 #39469  
Cmpd 35467, +MS2(644.3414), 37.0eV, 57.8min, 1/K0=0.873 #28877  
Cmpd 75259, +MS2(644.3415), 31.9eV, 73.2min, 1/K0=0.855 #37006  
Cmpd 24147, +MS2(644.3413), 37.0eV, 52.334-52.337min, 1/K0=0.857  
Cmpd 42210, +MS2(644.3415), 31.9eV, 60.6min, 1/K0=0.851 #30363  
Cmpd 48060, +MS2(644.3415), 37.0eV, 62.973-62.975min, 1/K0=0.862  
Cmpd 77649, +MS2(644.3416), 31.9eV, 74.1min, 1/K0=0.853 #37445  
Cmpd 31523, +MS2(644.3416), 37.0eV, 56.1min, 1/K0=0.857 #27978  
Cmpd 85538, +MS2(644.3415), 31.9eV, 76.967-76.969min, 1/K0=0.845  
Cmpd 72091, +MS2(644.3418), 37.0eV, 72.1min, 1/K0=0.856 #36390  
Cmpd 133008, +MS2(644.3418), 31.9eV, 94.2min, 1/K0=0.850 #48005  
Cmpd 94205, +MS2(644.3418), 37.0eV, 80.4min, 1/K0=0.863 #40779  
Cmpd 74145, +MS2(644.3418), 31.9eV, 72.8min, 1/K0=0.854 #36787  
Cmpd 134168, +MS2(644.3419), 31.9eV, 100.391-100.395min, 1/K0=0.  
Cmpd 132400, +MS2(644.3419), 31.9eV, 93.395-93.397min, 1/K0=0.85  
Cmpd 38833, +MS2(644.3417), 37.0eV, 59.2min, 1/K0=0.857 #29624  
Cmpd 30692, +MS2(644.3418), 31.9eV, 55.7min, 1/K0=0.854 #27755  
Cmpd 99815, +MS2(644.3419), 31.9eV, 82.355-82.359min, 1/K0=0.841  
Cmpd 134084, +MS2(644.3420), 31.9eV, 98.283-98.288min, 1/K0=0.84  
Cmpd 34556, +MS2(644.3423), 37.0eV, 57.4min, 1/K0=0.870 #28646  
Cmpd 129639, +MS2(644.3420), 31.9eV, 91.732-91.734min, 1/K0=0.85  
Cmpd 59569, +MS2(644.3419), 37.0eV, 67.5min, 1/K0=0.857 #33969  
Cmpd 131262, +MS2(644.3420), 31.9eV, 92.6min, 1/K0=0.855 #47125  
Cmpd 32423, +MS2(644.3419), 31.9eV, 56.5min, 1/K0=0.855 #28195  
Cmpd 51483, +MS2(644.3420), 37.0eV, 64.4min, 1/K0=0.867 #32333  
Cmpd 37695, +MS2(644.3420), 37.0eV, 58.7min, 1/K0=0.869 #29362  
Cmpd 60687, +MS2(644.3421), 37.0eV, 67.9min, 1/K0=0.859 #34192  
Cmpd 37099, +MS2(644.3420), 37.0eV, 58.5min, 1/K0=0.860 #29227  
Cmpd 92110, +MS2(644.3422), 37.0eV, 79.6min, 1/K0=0.856 #40340  
Cmpd 38744, +MS2(644.3418), 37.0eV, 59.2min, 1/K0=0.869 #29602  
Cmpd 35936, +MS2(644.3421), 31.9eV, 58.0min, 1/K0=0.852 #28986  
Cmpd 45986, +MS2(644.3422), 31.9eV, 62.2min, 1/K0=0.839 #31166  
Cmpd 44884, +MS2(644.3423), 37.0eV, 61.7min, 1/K0=0.861 #30911

Cmpd 34994, +MS2(644.3422), 31.9eV, 57.6min, 1/K0=0.851 #28766  
Cmpd 51381, +MS2(644.3423), 37.0eV, 64.3min, 1/K0=0.856 #32309  
Cmpd 43620, +MS2(644.3423), 37.0eV, 61.3min, 1/K0=0.865 #30692  
Cmpd 63845, +MS2(644.3423), 37.0eV, 69.1min, 1/K0=0.857 #34850  
Cmpd 55366, +MS2(644.3424), 37.0eV, 65.9min, 1/K0=0.859 #33123  
Cmpd 93154, +MS2(644.3424), 37.0eV, 80.0min, 1/K0=0.856 #40558  
Cmpd 40723, +MS2(644.3423), 37.0eV, 60.0min, 1/K0=0.861 #30043  
Cmpd 39751, +MS2(644.3423), 37.0eV, 59.7min, 1/K0=0.856 #29844  
Cmpd 134137, +MS2(644.3425), 31.9eV, 99.56-99.58min, 1/K0=0.846 #32309  
Cmpd 48328, +MS2(644.3425), 37.0eV, 63.1min, 1/K0=0.858 #31651  
Cmpd 39396, +MS2(644.3425), 31.9eV, 59.5min, 1/K0=0.841 #29756  
Cmpd 29827, +MS2(644.3424), 37.0eV, 55.3min, 1/K0=0.857 #27534  
Cmpd 53217, +MS2(644.3425), 37.0eV, 65.0min, 1/K0=0.859 #32683  
Cmpd 55133, +MS2(644.3427), 31.9eV, 65.8min, 1/K0=0.848 #33079  
Cmpd 62860, +MS2(644.3426), 31.9eV, 68.7min, 1/K0=0.854 #34629  
Cmpd 55379, +MS2(644.3420), 37.0eV, 65.9min, 1/K0=0.872 #33125  
Cmpd 50318, +MS2(644.3426), 31.9eV, 63.9min, 1/K0=0.855 #32090  
Cmpd 42892, +MS2(644.3426), 31.9eV, 60.9min, 1/K0=0.838 #30526  
Cmpd 48723, +MS2(644.3427), 37.0eV, 63.2min, 1/K0=0.868 #31738  
Cmpd 40800, +MS2(644.3426), 37.0eV, 60.1min, 1/K0=0.857 #30064  
Cmpd 33391, +MS2(644.3427), 31.9eV, 57.0min, 1/K0=0.852 #28414  
Cmpd 37404, +MS2(644.3427), 37.0eV, 58.6min, 1/K0=0.861 #29295  
Cmpd 40482, +MS2(644.3427), 31.9eV, 59.940-59.942min, 1/K0=0.836 #32309  
Cmpd 56783, +MS2(644.3425), 37.0eV, 66.5min, 1/K0=0.875 #33443  
Cmpd 36522, +MS2(644.3435), 37.0eV, 58.3min, 1/K0=0.869 #29111  
Cmpd 29156, +MS2(644.3430), 31.9eV, 55.0min, 1/K0=0.849 #27358  
Cmpd 42656, +MS2(644.3429), 31.9eV, 60.8min, 1/K0=0.855 #30471  
Cmpd 46158, +MS2(644.3429), 37.0eV, 62.2min, 1/K0=0.861 #31209  
Cmpd 23066, +MS2(644.3399), 37.0eV, 51.8min, 1/K0=0.859 #25665  
Cmpd 37868, +MS2(644.3430), 37.0eV, 58.8min, 1/K0=0.859 #29404  
Cmpd 56318, +MS2(644.3431), 37.0eV, 66.3min, 1/K0=0.859 #33343  
Cmpd 54266, +MS2(644.3432), 37.0eV, 65.5min, 1/K0=0.862 #32904  
Cmpd 33923, +MS2(644.3436), 31.9eV, 57.2min, 1/K0=0.853 #28546  
Cmpd 25030, +MS2(644.3409), 31.9eV, 52.762-52.768min, 1/K0=0.851 #32309  
Cmpd 45246, +MS2(644.3441), 37.0eV, 61.8min, 1/K0=0.861 #30989  
Cmpd 134097, +MS2(644.3446), 31.9eV, 98.68-98.69min, 1/K0=0.848 #32309  
Cmpd 49298, +MS2(644.3447), 37.0eV, 63.5min, 1/K0=0.858 #31869  
Cmpd 41154, +MS2(644.3455), 37.0eV, 60.2min, 1/K0=0.859 #30141  
Cmpd 45058, +MS2(644.3455), 31.9eV, 61.7min, 1/K0=0.847 #30946  
Cmpd 9064, +MS2(646.3063), 31.9eV, 43.285-43.289min, 1/K0=0.824 #32309  
Cmpd 5944, +MS2(646.3067), 31.9eV, 41.0min, 1/K0=0.838 #19922  
Cmpd 6959, +MS2(646.3082), 31.9eV, 41.8min, 1/K0=0.851 #20395  
Cmpd 6431, +MS2(646.3084), 31.9eV, 41.4min, 1/K0=0.836 #20175  
Cmpd 6110, +MS2(646.3089), 31.9eV, 41.1min, 1/K0=0.828 #20010  
Cmpd 6005, +MS2(646.3094), 31.9eV, 41.0min, 1/K0=0.840 #19955  
Cmpd 117733, +MS2(646.8067), 31.9eV, 87.5min, 1/K0=0.840 #44496  
Cmpd 1616, +MS2(647.3431), 37.0eV, 36.675-36.677min, 1/K0=0.888 #32309  
Cmpd 112642, +MS2(649.2760), 31.9eV, 86.237-86.240min, 1/K0=0.84 #32309

Cmpd 112621, +MS2(649.2763), 31.9eV, 86.2min, 1/K0=0.854 #43827  
Cmpd 116728, +MS2(649.2772), 31.9eV, 87.275-87.277min, 1/K0=0.85  
Cmpd 73585, +MS2(649.2781), 31.9eV, 72.622-72.624min, 1/K0=0.854  
Cmpd 67130, +MS2(655.8245), 31.9eV, 70.303-70.305min, 1/K0=0.840  
Cmpd 56230, +MS2(655.8263), 37.0eV, 66.2min, 1/K0=0.865 #33322  
Cmpd 53076, +MS2(655.8265), 37.0eV, 65.0min, 1/K0=0.857 #32660  
Cmpd 51929, +MS2(655.8268), 37.0eV, 64.6min, 1/K0=0.866 #32433  
Cmpd 54135, +MS2(655.8278), 37.0eV, 65.4min, 1/K0=0.861 #32881  
Cmpd 51974, +MS2(655.8284), 37.0eV, 64.6min, 1/K0=0.859 #32441  
Cmpd 69731, +MS2(656.2971), 37.0eV, 71.189-71.190min, 1/K0=0.863  
Cmpd 57838, +MS2(656.2972), 37.0eV, 66.821-66.823min, 1/K0=0.870  
Cmpd 114402, +MS2(656.3147), 37.0eV, 86.7min, 1/K0=0.877 #44057  
Cmpd 70917, +MS2(657.8160), 37.0eV, 71.615-71.617min, 1/K0=0.863  
Cmpd 24952, +MS2(657.8165), 31.9eV, 52.726-52.728min, 1/K0=0.854  
Cmpd 22588, +MS2(657.8163), 31.9eV, 51.498-51.503min, 1/K0=0.818  
Cmpd 93741, +MS2(657.8171), 37.0eV, 80.2min, 1/K0=0.858 #40680  
Cmpd 70872, +MS2(657.8176), 37.0eV, 71.6min, 1/K0=0.861 #36146  
Cmpd 71990, +MS2(657.8178), 37.0eV, 72.0min, 1/K0=0.858 #36369  
Cmpd 22433, +MS2(657.8179), 37.0eV, 51.4min, 1/K0=0.858 #25477  
Cmpd 22470, +MS2(657.8179), 37.0eV, 51.4min, 1/K0=0.868 #25488  
Cmpd 93254, +MS2(657.8183), 31.9eV, 80.026-80.028min, 1/K0=0.855  
Cmpd 22648, +MS2(657.8184), 31.9eV, 51.536-51.537min, 1/K0=0.779  
Cmpd 22565, +MS2(657.8180), 31.9eV, 51.485-51.488min, 1/K0=0.799  
Cmpd 22605, +MS2(657.8184), 37.0eV, 51.5min, 1/K0=0.875 #25532  
Cmpd 24094, +MS2(657.8186), 31.9eV, 52.3min, 1/K0=0.855 #25951  
Cmpd 23281, +MS2(657.8189), 37.0eV, 51.9min, 1/K0=0.856 #25731  
Cmpd 22538, +MS2(657.8192), 37.0eV, 51.5min, 1/K0=0.857 #25510  
Cmpd 22383, +MS2(657.8195), 37.0eV, 51.366-51.370min, 1/K0=0.863  
Cmpd 22373, +MS2(657.8207), 37.0eV, 51.362-51.364min, 1/K0=0.867  
Cmpd 93666, +MS2(665.8415), 37.0eV, 80.182-80.186min, 1/K0=0.895  
Cmpd 134022, +MS2(665.8419), 37.0eV, 96.537-96.539min, 1/K0=0.88  
Cmpd 133076, +MS2(665.8421), 37.0eV, 94.336-94.340min, 1/K0=0.88  
Cmpd 133356, +MS2(665.8412), 37.0eV, 94.95-94.96min, 1/K0=0.883  
Cmpd 42614, +MS2(665.8421), 37.0eV, 60.8min, 1/K0=0.895 #30461  
Cmpd 42767, +MS2(665.8425), 37.0eV, 60.9min, 1/K0=0.929 #30495  
Cmpd 42142, +MS2(665.8423), 37.0eV, 60.6min, 1/K0=0.900 #30350  
Cmpd 42945, +MS2(665.8429), 37.0eV, 60.971-60.973min, 1/K0=0.867  
Cmpd 132718, +MS2(665.8432), 37.0eV, 93.798-93.805min, 1/K0=0.88  
Cmpd 133299, +MS2(665.8432), 37.0eV, 94.808-94.814min, 1/K0=0.88  
Cmpd 42339, +MS2(665.8433), 37.0eV, 60.7min, 1/K0=0.927 #30395  
Cmpd 53123, +MS2(665.8433), 37.0eV, 65.004-65.006min, 1/K0=0.894  
Cmpd 12305, +MS2(665.8428), 37.0eV, 45.555-45.558min, 1/K0=0.915  
Cmpd 134159, +MS2(665.8436), 37.0eV, 100.217-100.221min, 1/K0=0.  
Cmpd 41474, +MS2(665.8437), 31.9eV, 60.4min, 1/K0=0.837 #30213  
Cmpd 77161, +MS2(665.8429), 37.0eV, 73.887-73.888min, 1/K0=0.891  
Cmpd 132799, +MS2(665.8440), 37.0eV, 93.910-93.917min, 1/K0=0.88  
Cmpd 86259, +MS2(665.8442), 37.0eV, 77.26-77.28min, 1/K0=0.896 #  
Cmpd 130381, +MS2(665.8444), 37.0eV, 92.092-92.099min, 1/K0=0.88

Cmpd 45944, +MS2(665.8448), 37.0eV, 62.142-62.144min, 1/K0=0.875  
Cmpd 37892, +MS2(665.8445), 31.9eV, 58.8min, 1/K0=0.845 #29411  
Cmpd 39309, +MS2(665.8446), 37.0eV, 59.5min, 1/K0=0.944 #29734  
Cmpd 131246, +MS2(665.8447), 37.0eV, 92.558-92.564min, 1/K0=0.88  
Cmpd 134185, +MS2(665.8448), 37.0eV, 100.84-100.85min, 1/K0=0.86  
Cmpd 40279, +MS2(665.8446), 37.0eV, 59.9min, 1/K0=0.933 #29954  
Cmpd 35993, +MS2(665.8447), 37.0eV, 58.1min, 1/K0=0.897 #28998  
Cmpd 133489, +MS2(665.8454), 37.0eV, 95.29-95.30min, 1/K0=0.887 #  
Cmpd 30824, +MS2(665.8449), 37.0eV, 55.77-55.78min, 1/K0=0.931 #  
Cmpd 54142, +MS2(665.8484), 37.0eV, 65.4min, 1/K0=0.902 #32882  
Cmpd 36006, +MS2(665.8454), 37.0eV, 58.1min, 1/K0=0.881 #29000  
Cmpd 85216, +MS2(665.8450), 37.0eV, 76.850-76.853min, 1/K0=0.892  
Cmpd 30874, +MS2(665.8446), 37.0eV, 55.8min, 1/K0=0.897 #27799  
Cmpd 33799, +MS2(665.8449), 37.0eV, 57.145-57.147min, 1/K0=0.928  
Cmpd 82045, +MS2(665.8450), 37.0eV, 75.649-75.651min, 1/K0=0.896  
Cmpd 131895, +MS2(665.8451), 37.0eV, 92.962-92.966min, 1/K0=0.88  
Cmpd 36858, +MS2(665.8450), 37.0eV, 58.4min, 1/K0=0.946 #29175  
Cmpd 72254, +MS2(665.8452), 37.0eV, 72.138-72.142min, 1/K0=0.931  
Cmpd 46739, +MS2(665.8450), 37.0eV, 62.5min, 1/K0=0.897 #31340  
Cmpd 53341, +MS2(665.8451), 37.0eV, 65.081-65.085min, 1/K0=0.929  
Cmpd 38347, +MS2(665.8451), 37.0eV, 59.0min, 1/K0=0.896 #29514  
Cmpd 91456, +MS2(665.8454), 37.0eV, 79.3min, 1/K0=0.890 #40205  
Cmpd 35054, +MS2(665.8451), 37.0eV, 57.6min, 1/K0=0.893 #28778  
Cmpd 31090, +MS2(665.8450), 37.0eV, 55.9min, 1/K0=0.882 #27856  
Cmpd 132387, +MS2(665.8449), 37.0eV, 93.386-93.393min, 1/K0=0.88  
Cmpd 45972, +MS2(665.8452), 37.0eV, 62.2min, 1/K0=0.930 #31164  
Cmpd 36121, +MS2(665.8451), 37.0eV, 58.1min, 1/K0=0.859 #29021  
Cmpd 134181, +MS2(665.8453), 37.0eV, 100.776-100.780min, 1/K0=0.  
Cmpd 31003, +MS2(665.8452), 37.0eV, 55.9min, 1/K0=0.893 #27832  
Cmpd 38357, +MS2(665.8452), 37.0eV, 59.0min, 1/K0=0.931 #29515  
Cmpd 39818, +MS2(665.8453), 31.9eV, 59.683-59.685min, 1/K0=0.849  
Cmpd 37702, +MS2(665.8446), 37.0eV, 58.7min, 1/K0=0.861 #29363  
Cmpd 36343, +MS2(665.8453), 37.0eV, 58.2min, 1/K0=0.897 #29074  
Cmpd 95882, +MS2(665.8455), 37.0eV, 81.028-81.030min, 1/K0=0.891  
Cmpd 133956, +MS2(665.8455), 37.0eV, 96.268-96.272min, 1/K0=0.88  
Cmpd 35894, +MS2(665.8455), 37.0eV, 58.013-58.015min, 1/K0=0.865  
Cmpd 51480, +MS2(665.8455), 37.0eV, 64.4min, 1/K0=0.895 #32332  
Cmpd 36353, +MS2(665.8453), 31.9eV, 58.203-58.205min, 1/K0=0.843  
Cmpd 51789, +MS2(665.8454), 37.0eV, 64.5min, 1/K0=0.935 #32407  
Cmpd 37996, +MS2(665.8454), 37.0eV, 58.9min, 1/K0=0.881 #29437  
Cmpd 60506, +MS2(665.8455), 37.0eV, 67.830-67.832min, 1/K0=0.936  
Cmpd 43720, +MS2(665.8454), 37.0eV, 61.3min, 1/K0=0.882 #30713  
Cmpd 38250, +MS2(665.8454), 37.0eV, 59.0min, 1/K0=0.877 #29492  
Cmpd 48757, +MS2(665.8455), 37.0eV, 63.261-63.262min, 1/K0=0.926  
Cmpd 44829, +MS2(665.8455), 37.0eV, 61.7min, 1/K0=0.899 #30900  
Cmpd 43550, +MS2(665.8455), 37.0eV, 61.2min, 1/K0=0.898 #30681  
Cmpd 41292, +MS2(665.8456), 37.0eV, 60.3min, 1/K0=0.933 #30174  
Cmpd 37393, +MS2(665.8456), 37.0eV, 58.6min, 1/K0=0.944 #29294

Cmpd 33975, +MS2(665.8456), 37.0eV, 57.2min, 1/K0=0.898 #28557  
Cmpd 37360, +MS2(665.8456), 37.0eV, 58.6min, 1/K0=0.868 #29285  
Cmpd 134167, +MS2(665.8458), 37.0eV, 100.379-100.387min, 1/K0=0.868 #29285  
Cmpd 133096, +MS2(665.8458), 37.0eV, 94.37-94.38min, 1/K0=0.886 #29285  
Cmpd 50828, +MS2(665.8457), 37.0eV, 64.1min, 1/K0=0.936 #32190  
Cmpd 41465, +MS2(665.8457), 37.0eV, 60.4min, 1/K0=0.872 #30210  
Cmpd 45781, +MS2(665.8457), 37.0eV, 62.1min, 1/K0=0.901 #31120  
Cmpd 49828, +MS2(665.8458), 37.0eV, 63.7min, 1/K0=0.878 #31979  
Cmpd 134146, +MS2(665.8459), 37.0eV, 99.81-99.83min, 1/K0=0.881 #29285  
Cmpd 49664, +MS2(665.8458), 37.0eV, 63.6min, 1/K0=0.894 #31946  
Cmpd 55820, +MS2(665.8289), 37.0eV, 66.1min, 1/K0=0.899 #33222  
Cmpd 41058, +MS2(665.8461), 37.0eV, 60.2min, 1/K0=0.909 #30119  
Cmpd 133841, +MS2(665.8461), 37.0eV, 95.818-95.826min, 1/K0=0.886 #29285  
Cmpd 48722, +MS2(665.8461), 37.0eV, 63.244-63.245min, 1/K0=0.927  
Cmpd 60449, +MS2(665.8462), 37.0eV, 67.807-67.813min, 1/K0=0.888  
Cmpd 48707, +MS2(665.8463), 37.0eV, 63.2min, 1/K0=0.896 #31736  
Cmpd 91057, +MS2(665.8461), 37.0eV, 79.144-79.146min, 1/K0=0.908  
Cmpd 39310, +MS2(665.8464), 37.0eV, 59.5min, 1/K0=0.885 #29734  
Cmpd 78641, +MS2(665.8520), 37.0eV, 74.452-74.460min, 1/K0=0.927  
Cmpd 38854, +MS2(665.8464), 31.9eV, 59.249-59.250min, 1/K0=0.847  
Cmpd 36102, +MS2(665.8453), 37.0eV, 58.1min, 1/K0=0.928 #29019  
Cmpd 43805, +MS2(665.8465), 37.0eV, 61.3min, 1/K0=0.922 #30726  
Cmpd 40290, +MS2(665.8470), 37.0eV, 59.9min, 1/K0=0.866 #29955  
Cmpd 50434, +MS2(665.8468), 37.0eV, 63.9min, 1/K0=0.898 #32111  
Cmpd 59440, +MS2(665.8468), 37.0eV, 67.426-67.428min, 1/K0=0.931  
Cmpd 37359, +MS2(665.8467), 37.0eV, 58.6min, 1/K0=0.923 #29285  
Cmpd 45041, +MS2(665.8468), 37.0eV, 61.7min, 1/K0=0.931 #30944  
Cmpd 62116, +MS2(665.8470), 37.0eV, 68.420-68.422min, 1/K0=0.896  
Cmpd 40004, +MS2(665.8469), 37.0eV, 59.8min, 1/K0=0.900 #29899  
Cmpd 75231, +MS2(665.8470), 37.0eV, 73.226-73.228min, 1/K0=0.924  
Cmpd 32266, +MS2(665.8469), 37.0eV, 56.468-56.471min, 1/K0=0.897  
Cmpd 49706, +MS2(665.8473), 37.0eV, 63.7min, 1/K0=0.930 #31956  
Cmpd 59679, +MS2(665.8472), 37.0eV, 67.51-67.53min, 1/K0=0.903 #31956  
Cmpd 87892, +MS2(665.8476), 37.0eV, 77.908-77.910min, 1/K0=0.894  
Cmpd 63085, +MS2(665.8484), 37.0eV, 68.8min, 1/K0=0.894 #34686  
Cmpd 63039, +MS2(665.8487), 37.0eV, 68.804-68.808min, 1/K0=0.917  
Cmpd 37394, +MS2(665.8489), 37.0eV, 58.6min, 1/K0=0.894 #29294  
Cmpd 20463, +MS2(672.8562), 31.9eV, 50.397-50.399min, 1/K0=0.772  
Cmpd 21878, +MS2(672.8567), 37.0eV, 51.1min, 1/K0=0.877 #25291  
Cmpd 19640, +MS2(672.8586), 37.0eV, 50.0min, 1/K0=0.886 #24708  
Cmpd 24929, +MS2(672.8589), 37.0eV, 52.7min, 1/K0=0.886 #26170  
Cmpd 25728, +MS2(672.8592), 37.0eV, 53.1min, 1/K0=0.884 #26390  
Cmpd 19750, +MS2(672.8593), 37.0eV, 50.0min, 1/K0=0.890 #24729  
Cmpd 23306, +MS2(672.8594), 37.0eV, 51.9min, 1/K0=0.886 #25741  
Cmpd 20343, +MS2(672.8597), 31.9eV, 50.3min, 1/K0=0.828 #24906  
Cmpd 22545, +MS2(672.8597), 37.0eV, 51.5min, 1/K0=0.883 #25511  
Cmpd 20012, +MS2(672.8602), 37.0eV, 50.11-50.12min, 1/K0=0.921 #25511  
Cmpd 19735, +MS2(672.8597), 31.9eV, 49.993-49.995min, 1/K0=0.811

Cmpd 21089, +MS2(672.8598), 37.0eV, 50.7min, 1/K0=0.888 #25114  
Cmpd 20489, +MS2(672.8599), 37.0eV, 50.4min, 1/K0=0.892 #24949  
Cmpd 23272, +MS2(672.8600), 37.0eV, 51.9min, 1/K0=0.888 #25730  
Cmpd 24085, +MS2(672.8600), 37.0eV, 52.3min, 1/K0=0.889 #25950  
Cmpd 20275, +MS2(672.8600), 31.9eV, 50.3min, 1/K0=0.836 #24884  
Cmpd 20268, +MS2(672.8604), 31.9eV, 50.3min, 1/K0=0.848 #24883  
Cmpd 25974, +MS2(679.3714), 37.0eV, 53.267-53.269min, 1/K0=0.944  
Cmpd 26120, +MS2(679.3737), 37.0eV, 53.3min, 1/K0=0.943 #26500  
Cmpd 1581, +MS2(682.8595), 37.0eV, 36.6min, 1/K0=0.913 #17612  
Cmpd 5752, +MS2(683.7945), 31.9eV, 40.774-40.778min, 1/K0=0.853 #19822  
Cmpd 5742, +MS2(683.7956), 31.9eV, 40.8min, 1/K0=0.852 #19822  
Cmpd 12101, +MS2(684.8275), 37.0eV, 45.382-45.386min, 1/K0=0.881  
Cmpd 3245, +MS2(688.2796), 37.0eV, 38.398-38.402min, 1/K0=0.896 #19822  
Cmpd 57547, +MS2(691.8152), 37.0eV, 66.715-66.716min, 1/K0=0.898  
Cmpd 58677, +MS2(691.8159), 37.0eV, 67.133-67.135min, 1/K0=0.901  
Cmpd 69616, +MS2(691.8162), 37.0eV, 71.1min, 1/K0=0.907 #35908  
Cmpd 58114, +MS2(691.8167), 37.0eV, 66.9min, 1/K0=0.900 #33683  
Cmpd 52161, +MS2(691.8169), 37.0eV, 64.6min, 1/K0=0.894 #32464  
Cmpd 70809, +MS2(691.8175), 37.0eV, 71.6min, 1/K0=0.905 #36135  
Cmpd 117703, +MS2(703.3503), 37.0eV, 87.5min, 1/K0=0.895 #44492  
Cmpd 31926, +MS2(708.3921), 37.0eV, 56.314-56.318min, 1/K0=0.898  
Cmpd 26173, +MS2(714.8928), 37.0eV, 53.361-53.365min, 1/K0=0.975  
Cmpd 26152, +MS2(714.8941), 37.0eV, 53.356-53.358min, 1/K0=0.975  
Cmpd 52990, +MS2(720.3432), 31.9eV, 65.0min, 1/K0=0.818 #32642  
Cmpd 52870, +MS2(720.3448), 37.0eV, 64.9min, 1/K0=0.895 #32616  
Cmpd 58897, +MS2(720.3465), 37.0eV, 67.2min, 1/K0=0.911 #33829  
Cmpd 52044, +MS2(720.3464), 37.0eV, 64.6min, 1/K0=0.907 #32451  
Cmpd 53141, +MS2(720.3468), 37.0eV, 65.0min, 1/K0=0.912 #32671  
Cmpd 52565, +MS2(720.3473), 37.0eV, 64.8min, 1/K0=0.922 #32539  
Cmpd 61152, +MS2(720.3476), 37.0eV, 68.1min, 1/K0=0.906 #34278  
Cmpd 56262, +MS2(720.3478), 37.0eV, 66.3min, 1/K0=0.915 #33331  
Cmpd 46868, +MS2(720.3478), 37.0eV, 62.537-62.539min, 1/K0=0.907  
Cmpd 60913, +MS2(720.3479), 37.0eV, 67.974-67.975min, 1/K0=0.899  
Cmpd 56946, +MS2(720.3480), 37.0eV, 66.548-66.550min, 1/K0=0.897  
Cmpd 54619, +MS2(720.3483), 37.0eV, 65.6min, 1/K0=0.895 #32971  
Cmpd 53941, +MS2(720.3482), 37.0eV, 65.3min, 1/K0=0.929 #32847  
Cmpd 60013, +MS2(720.3483), 37.0eV, 67.6min, 1/K0=0.914 #34057  
Cmpd 75218, +MS2(720.3488), 37.0eV, 73.2min, 1/K0=0.908 #36996  
Cmpd 56419, +MS2(720.3487), 37.0eV, 66.3min, 1/K0=0.923 #33364  
Cmpd 55289, +MS2(720.3490), 37.0eV, 65.8min, 1/K0=0.915 #33111  
Cmpd 54187, +MS2(720.3491), 37.0eV, 65.4min, 1/K0=0.916 #32891  
Cmpd 77284, +MS2(720.3502), 37.0eV, 73.9min, 1/K0=0.913 #37371  
Cmpd 51907, +MS2(720.3502), 37.0eV, 64.6min, 1/K0=0.908 #32430  
Cmpd 51935, +MS2(720.3506), 37.0eV, 64.6min, 1/K0=0.894 #32435  
Cmpd 55123, +MS2(720.3510), 37.0eV, 65.8min, 1/K0=0.928 #33078  
Cmpd 19749, +MS2(722.3845), 37.0eV, 50.0min, 1/K0=0.942 #24729  
Cmpd 20488, +MS2(722.3851), 37.0eV, 50.4min, 1/K0=0.939 #24949  
Cmpd 19830, +MS2(722.3871), 37.0eV, 50.0min, 1/K0=0.956 #24741

Cmpd 20584, +MS2(722.3877), 37.0eV, 50.5min, 1/K0=0.951 #24971  
Cmpd 19727, +MS2(481.9276), 31.9eV, 49.989-49.995min, 1/K0=0.746  
Cmpd 21456, +MS2(722.3884), 37.0eV, 50.8min, 1/K0=0.924 #25169  
Cmpd 130816, +MS2(722.3892), 37.0eV, 92.32-92.33min, 1/K0=0.912 #25169  
Cmpd 26683, +MS2(722.3891), 37.0eV, 53.609-53.610min, 1/K0=0.930  
Cmpd 21618, +MS2(722.3893), 31.9eV, 50.890-50.892min, 1/K0=0.778  
Cmpd 22158, +MS2(722.3896), 37.0eV, 51.2min, 1/K0=0.924 #25389  
Cmpd 21757, +MS2(722.3895), 37.0eV, 51.0min, 1/K0=0.940 #25246  
Cmpd 19683, +MS2(722.3896), 37.0eV, 50.0min, 1/K0=0.915 #24718  
Cmpd 19632, +MS2(722.3898), 37.0eV, 50.0min, 1/K0=0.922 #24707  
Cmpd 22857, +MS2(722.3899), 37.0eV, 51.7min, 1/K0=0.923 #25609  
Cmpd 19832, +MS2(722.3899), 31.9eV, 50.0min, 1/K0=0.787 #24741  
Cmpd 35713, +MS2(722.3901), 37.0eV, 57.932-57.934min, 1/K0=0.925  
Cmpd 27648, +MS2(722.3902), 37.0eV, 54.1min, 1/K0=0.919 #26930  
Cmpd 22407, +MS2(722.3903), 37.0eV, 51.4min, 1/K0=0.935 #25466  
Cmpd 22282, +MS2(722.3907), 31.9eV, 51.3min, 1/K0=0.774 #25422  
Cmpd 21484, +MS2(722.3913), 31.9eV, 50.833-50.835min, 1/K0=0.803  
Cmpd 35596, +MS2(722.3910), 37.0eV, 57.9min, 1/K0=0.915 #28909  
Cmpd 27174, +MS2(722.3942), 37.0eV, 53.874-53.876min, 1/K0=0.876  
Cmpd 34741, +MS2(722.3912), 37.0eV, 57.5min, 1/K0=0.907 #28691  
Cmpd 42897, +MS2(722.3915), 37.0eV, 61.0min, 1/K0=0.920 #30527  
Cmpd 27201, +MS2(722.3915), 37.0eV, 53.88-53.90min, 1/K0=0.876 #28691  
Cmpd 20600, +MS2(722.3914), 31.9eV, 50.5min, 1/K0=0.776 #24974  
Cmpd 23601, +MS2(722.3918), 37.0eV, 52.1min, 1/K0=0.918 #25829  
Cmpd 22838, +MS2(722.3919), 37.0eV, 51.647-51.648min, 1/K0=0.885  
Cmpd 38922, +MS2(722.3920), 37.0eV, 59.3min, 1/K0=0.930 #29647  
Cmpd 46497, +MS2(722.3921), 37.0eV, 62.4min, 1/K0=0.920 #31289  
Cmpd 22442, +MS2(722.3927), 37.0eV, 51.411-51.419min, 1/K0=0.892  
Cmpd 26893, +MS2(722.3921), 37.0eV, 53.7min, 1/K0=0.916 #26709  
Cmpd 41925, +MS2(722.3924), 37.0eV, 60.5min, 1/K0=0.916 #30306  
Cmpd 28384, +MS2(722.3924), 37.0eV, 54.6min, 1/K0=0.922 #27149  
Cmpd 20445, +MS2(722.3923), 37.0eV, 50.4min, 1/K0=0.906 #24938  
Cmpd 29209, +MS2(722.3926), 37.0eV, 55.0min, 1/K0=0.921 #27369  
Cmpd 64953, +MS2(722.3925), 37.0eV, 69.545-69.547min, 1/K0=0.912  
Cmpd 39848, +MS2(722.3930), 37.0eV, 59.7min, 1/K0=0.921 #29866  
Cmpd 19598, +MS2(722.3928), 37.0eV, 49.9min, 1/K0=0.919 #24696  
Cmpd 26927, +MS2(722.3928), 37.0eV, 53.750-53.752min, 1/K0=0.879  
Cmpd 30912, +MS2(722.3929), 37.0eV, 55.8min, 1/K0=0.916 #27809  
Cmpd 22868, +MS2(722.3930), 37.0eV, 51.7min, 1/K0=0.903 #25610  
Cmpd 23683, +MS2(722.3931), 31.9eV, 52.107-52.109min, 1/K0=0.795  
Cmpd 23753, +MS2(722.3931), 31.9eV, 52.137-52.139min, 1/K0=0.819  
Cmpd 22996, +MS2(722.3931), 31.9eV, 51.7min, 1/K0=0.776 #25644  
Cmpd 20996, +MS2(722.3931), 37.0eV, 50.7min, 1/K0=0.860 #25093  
Cmpd 37649, +MS2(722.3934), 37.0eV, 58.7min, 1/K0=0.918 #29350  
Cmpd 33619, +MS2(722.3934), 37.0eV, 57.1min, 1/K0=0.920 #28469  
Cmpd 30026, +MS2(722.3933), 37.0eV, 55.4min, 1/K0=0.919 #27590  
Cmpd 20801, +MS2(722.3929), 37.0eV, 50.578-50.580min, 1/K0=0.881  
Cmpd 26078, +MS2(722.3934), 37.0eV, 53.3min, 1/K0=0.918 #26489

Cmpd 24439, +MS2(722.3933), 37.0eV, 52.5min, 1/K0=0.917 #26049  
Cmpd 45556, +MS2(722.3937), 37.0eV, 62.0min, 1/K0=0.922 #31065  
Cmpd 32672, +MS2(722.3937), 37.0eV, 56.6min, 1/K0=0.918 #28250  
Cmpd 34340, +MS2(722.3938), 37.0eV, 57.31-57.32min, 1/K0=0.901 #1  
Cmpd 86517, +MS2(722.3941), 37.0eV, 77.356-77.359min, 1/K0=0.923  
Cmpd 36624, +MS2(722.3940), 37.0eV, 58.3min, 1/K0=0.918 #29129  
Cmpd 25278, +MS2(722.3940), 37.0eV, 52.9min, 1/K0=0.913 #26269  
Cmpd 75427, +MS2(722.3949), 37.0eV, 73.300-73.302min, 1/K0=0.919  
Cmpd 31721, +MS2(722.3954), 37.0eV, 56.2min, 1/K0=0.914 #28030  
Cmpd 118444, +MS2(724.3576), 37.0eV, 87.7min, 1/K0=0.885 #44584  
Cmpd 58625, +MS2(727.3361), 37.0eV, 67.1min, 1/K0=0.942 #33781  
Cmpd 96914, +MS2(731.3514), 37.0eV, 81.4min, 1/K0=0.926 #41286  
Cmpd 70897, +MS2(731.3528), 37.0eV, 71.6min, 1/K0=0.925 #36149  
Cmpd 94500, +MS2(731.3547), 37.0eV, 80.5min, 1/K0=0.931 #40846  
Cmpd 93459, +MS2(731.3548), 37.0eV, 80.1min, 1/K0=0.925 #40624  
Cmpd 117652, +MS2(731.8634), 37.0eV, 87.5min, 1/K0=0.922 #44486  
Cmpd 53546, +MS2(738.8489), 37.0eV, 65.2min, 1/K0=0.954 #32759  
Cmpd 54678, +MS2(738.8496), 37.0eV, 65.6min, 1/K0=0.949 #32982  
Cmpd 114583, +MS2(742.3418), 37.0eV, 86.7min, 1/K0=0.941 #44079  
Cmpd 114389, +MS2(742.3420), 37.0eV, 86.7min, 1/K0=0.930 #44056  
Cmpd 24758, +MS2(743.8898), 37.0eV, 52.6min, 1/K0=0.964 #26126  
Cmpd 27592, +MS2(743.8924), 37.0eV, 54.117-54.122min, 1/K0=0.921  
Cmpd 27277, +MS2(743.8914), 37.0eV, 53.92-53.93min, 1/K0=0.957 #1  
Cmpd 24542, +MS2(743.8925), 31.9eV, 52.532-52.533min, 1/K0=0.792  
Cmpd 25356, +MS2(743.8932), 37.0eV, 52.9min, 1/K0=0.945 #26291  
Cmpd 27703, +MS2(743.8936), 37.0eV, 54.2min, 1/K0=0.943 #26951  
Cmpd 28504, +MS2(743.8939), 37.0eV, 54.6min, 1/K0=0.940 #27184  
Cmpd 24859, +MS2(743.8940), 31.9eV, 52.7min, 1/K0=0.833 #26149  
Cmpd 24444, +MS2(743.8940), 37.0eV, 52.5min, 1/K0=0.944 #26050  
Cmpd 25096, +MS2(743.8944), 37.0eV, 52.8min, 1/K0=0.925 #26214  
Cmpd 24524, +MS2(743.8944), 37.0eV, 52.5min, 1/K0=0.944 #26071  
Cmpd 25761, +MS2(743.8945), 37.0eV, 53.2min, 1/K0=0.960 #26401  
Cmpd 25023, +MS2(743.8946), 31.9eV, 52.8min, 1/K0=0.808 #26193  
Cmpd 25579, +MS2(743.8947), 31.9eV, 53.055-53.059min, 1/K0=0.790  
Cmpd 30164, +MS2(743.8955), 37.0eV, 55.5min, 1/K0=0.942 #27623  
Cmpd 28276, +MS2(743.8971), 37.0eV, 54.483-54.487min, 1/K0=0.959  
Cmpd 24892, +MS2(743.8962), 37.0eV, 52.7min, 1/K0=0.861 #26159  
Cmpd 24361, +MS2(743.8973), 37.0eV, 52.449-52.451min, 1/K0=0.952  
Cmpd 26166, +MS2(743.8972), 37.0eV, 53.4min, 1/K0=0.936 #26511  
Cmpd 24663, +MS2(743.8976), 37.0eV, 52.6min, 1/K0=0.905 #26104  
Cmpd 11787, +MS2(745.7898), 37.0eV, 45.155-45.162min, 1/K0=0.913  
Cmpd 12325, +MS2(745.7916), 37.0eV, 45.571-45.577min, 1/K0=0.914  
Cmpd 11097, +MS2(745.7938), 37.0eV, 44.730-44.735min, 1/K0=0.912  
Cmpd 121863, +MS2(751.3558), 37.0eV, 88.6min, 1/K0=0.923 #45047  
Cmpd 53022, +MS2(504.2423), 31.9eV, 65.0min, 1/K0=0.689 #32649  
Cmpd 52300, +MS2(755.8609), 37.0eV, 64.7min, 1/K0=0.880 #32483  
Cmpd 51899, +MS2(504.2434), 31.9eV, 64.6min, 1/K0=0.688 #32429  
Cmpd 52584, +MS2(755.8617), 37.0eV, 64.768-64.772min, 1/K0=0.872



Cmpd 52553, +MS2(755.8618), 37.0eV, 64.757-64.759min, 1/K0=0.881  
Cmpd 53018, +MS2(755.8625), 37.0eV, 65.0min, 1/K0=0.931 #32649  
Cmpd 52970, +MS2(755.8634), 37.0eV, 64.9min, 1/K0=0.957 #32638  
Cmpd 52058, +MS2(755.8632), 31.9eV, 64.6min, 1/K0=0.845 #32452  
Cmpd 53042, +MS2(755.8633), 31.9eV, 65.0min, 1/K0=0.817 #32652  
Cmpd 14406, +MS2(755.8625), 37.0eV, 46.807-46.813min, 1/K0=0.929  
Cmpd 61140, +MS2(755.8690), 37.0eV, 68.1min, 1/K0=0.959 #34277  
Cmpd 54062, +MS2(755.8656), 37.0eV, 65.4min, 1/K0=0.943 #32869  
Cmpd 71665, +MS2(755.8657), 37.0eV, 71.901-71.907min, 1/K0=0.954  
Cmpd 68303, +MS2(755.8658), 37.0eV, 70.7min, 1/K0=0.941 #35676  
Cmpd 56714, +MS2(755.8660), 37.0eV, 66.5min, 1/K0=0.942 #33430  
Cmpd 59259, +MS2(755.8692), 37.0eV, 67.3min, 1/K0=0.941 #33903  
Cmpd 46790, +MS2(755.8660), 37.0eV, 62.5min, 1/K0=0.938 #31351  
Cmpd 59521, +MS2(755.8741), 37.0eV, 67.5min, 1/K0=0.960 #33960  
Cmpd 91541, +MS2(755.8664), 37.0eV, 79.334-79.336min, 1/K0=0.949  
Cmpd 67097, +MS2(755.8664), 37.0eV, 70.3min, 1/K0=0.947 #35455  
Cmpd 65877, +MS2(755.8668), 37.0eV, 69.9min, 1/K0=0.953 #35234  
Cmpd 69550, +MS2(755.8669), 37.0eV, 71.1min, 1/K0=0.945 #35900  
Cmpd 54079, +MS2(755.8679), 37.0eV, 65.391-65.393min, 1/K0=0.966  
Cmpd 94267, +MS2(755.8687), 37.0eV, 80.428-80.432min, 1/K0=0.948  
Cmpd 54003, +MS2(755.8689), 37.0eV, 65.4min, 1/K0=0.965 #32858  
Cmpd 55178, +MS2(755.8692), 37.0eV, 65.8min, 1/K0=0.939 #33089  
Cmpd 51895, +MS2(755.8699), 37.0eV, 64.6min, 1/K0=0.940 #32429  
Cmpd 115827, +MS2(755.9228), 37.0eV, 87.0min, 1/K0=0.973 #44243  
Cmpd 11812, +MS2(768.8442), 37.0eV, 45.18-45.19min, 1/K0=0.906 #44243  
Cmpd 9675, +MS2(768.8426), 37.0eV, 43.738-43.743min, 1/K0=0.899 #44243  
Cmpd 9654, +MS2(768.8452), 37.0eV, 43.719-43.723min, 1/K0=0.902 #44243  
Cmpd 9600, +MS2(768.8472), 37.0eV, 43.676-43.681min, 1/K0=0.900 #44243  
Cmpd 7821, +MS2(768.8475), 37.0eV, 42.455-42.457min, 1/K0=0.903 #44243  
Cmpd 8226, +MS2(768.8477), 37.0eV, 42.711-42.713min, 1/K0=0.904 #44243  
Cmpd 9726, +MS2(768.8481), 37.0eV, 43.774-43.783min, 1/K0=0.903 #44243  
Cmpd 9493, +MS2(768.8478), 37.0eV, 43.595-43.599min, 1/K0=0.904 #44243  
Cmpd 5598, +MS2(768.8485), 37.0eV, 40.6min, 1/K0=0.902 #19757  
Cmpd 6669, +MS2(768.8486), 37.0eV, 41.6min, 1/K0=0.902 #20275  
Cmpd 5558, +MS2(768.8486), 37.0eV, 40.612-40.615min, 1/K0=0.905 #44243  
Cmpd 6192, +MS2(768.8489), 37.0eV, 41.2min, 1/K0=0.906 #20054  
Cmpd 8755, +MS2(768.8489), 37.0eV, 43.130-43.140min, 1/K0=0.900 #44243  
Cmpd 11729, +MS2(768.8493), 37.0eV, 45.123-45.128min, 1/K0=0.905 #44243  
Cmpd 5642, +MS2(768.8492), 37.0eV, 40.7min, 1/K0=0.903 #19779  
Cmpd 5772, +MS2(768.8493), 37.0eV, 40.8min, 1/K0=0.905 #19834  
Cmpd 7222, +MS2(768.8507), 37.0eV, 42.0min, 1/K0=0.904 #20497  
Cmpd 88789, +MS2(770.8211), 37.0eV, 78.277-78.279min, 1/K0=0.923  
Cmpd 88922, +MS2(770.8204), 37.0eV, 78.323-78.325min, 1/K0=0.921  
Cmpd 114259, +MS2(770.8530), 37.0eV, 86.642-86.647min, 1/K0=0.95  
Cmpd 114312, +MS2(770.8539), 37.0eV, 86.7min, 1/K0=0.951 #44046  
Cmpd 116137, +MS2(770.8551), 37.0eV, 87.125-87.127min, 1/K0=0.94  
Cmpd 110438, +MS2(770.8553), 37.0eV, 85.7min, 1/K0=0.954 #43542  
Cmpd 114479, +MS2(770.8566), 37.0eV, 86.7min, 1/K0=0.953 #44067

Cmpd 25772, +MS2(779.4111), 37.0eV, 53.16-53.17min, 1/K0=1.018 #26698  
Cmpd 26845, +MS2(779.4114), 37.0eV, 53.7min, 1/K0=1.013 #26698  
Cmpd 28034, +MS2(779.4118), 37.0eV, 54.4min, 1/K0=1.027 #27039  
Cmpd 27615, +MS2(779.4120), 37.0eV, 54.1min, 1/K0=1.011 #26919  
Cmpd 28769, +MS2(779.4114), 37.0eV, 54.769-54.771min, 1/K0=1.018  
Cmpd 25837, +MS2(779.4131), 37.0eV, 53.2min, 1/K0=1.017 #26424  
Cmpd 25913, +MS2(779.4124), 37.0eV, 53.2min, 1/K0=1.019 #26445  
Cmpd 31007, +MS2(779.4122), 37.0eV, 55.853-55.855min, 1/K0=1.019  
Cmpd 31770, +MS2(779.4137), 37.0eV, 56.250-56.252min, 1/K0=1.019  
Cmpd 26033, +MS2(779.4160), 37.0eV, 53.3min, 1/K0=1.021 #26478  
Cmpd 29637, +MS2(779.4164), 37.0eV, 55.187-55.191min, 1/K0=1.023  
Cmpd 70254, +MS2(780.8863), 37.0eV, 71.356-71.358min, 1/K0=0.958  
Cmpd 93472, +MS2(780.8907), 37.0eV, 80.1min, 1/K0=0.964 #40625  
Cmpd 96926, +MS2(780.8918), 37.0eV, 81.365-81.369min, 1/K0=0.959  
Cmpd 95648, +MS2(780.8944), 37.0eV, 80.9min, 1/K0=0.968 #41066  
Cmpd 52636, +MS2(791.3800), 31.9eV, 64.793-64.798min, 1/K0=0.854  
Cmpd 52223, +MS2(791.3800), 31.9eV, 64.6min, 1/K0=0.855 #32471  
Cmpd 52580, +MS2(791.3801), 37.0eV, 64.8min, 1/K0=0.872 #32542  
Cmpd 52356, +MS2(791.3814), 37.0eV, 64.673-64.675min, 1/K0=0.874  
Cmpd 54190, +MS2(527.9224), 31.9eV, 65.429-65.433min, 1/K0=0.720  
Cmpd 52613, +MS2(791.3822), 37.0eV, 64.781-64.783min, 1/K0=0.888  
Cmpd 58497, +MS2(791.3828), 37.0eV, 67.1min, 1/K0=0.974 #33760  
Cmpd 53074, +MS2(791.3834), 37.0eV, 65.0min, 1/K0=0.976 #32660  
Cmpd 57388, +MS2(791.3838), 37.0eV, 66.7min, 1/K0=0.964 #33543  
Cmpd 65042, +MS2(791.3844), 37.0eV, 69.581-69.583min, 1/K0=0.962  
Cmpd 64285, +MS2(791.3846), 37.0eV, 69.308-69.310min, 1/K0=0.979  
Cmpd 56212, +MS2(791.3851), 37.0eV, 66.2min, 1/K0=0.968 #33320  
Cmpd 51841, +MS2(791.3855), 37.0eV, 64.5min, 1/K0=0.966 #32418  
Cmpd 54122, +MS2(791.3856), 37.0eV, 65.4min, 1/K0=0.973 #32880  
Cmpd 62908, +MS2(791.3861), 37.0eV, 68.7min, 1/K0=0.983 #34640  
Cmpd 63899, +MS2(791.3863), 37.0eV, 69.2min, 1/K0=0.971 #34860  
Cmpd 46916, +MS2(791.3864), 37.0eV, 62.6min, 1/K0=0.970 #31375  
Cmpd 51963, +MS2(791.3868), 37.0eV, 64.6min, 1/K0=0.972 #32440  
Cmpd 46710, +MS2(791.3871), 37.0eV, 62.476-62.480min, 1/K0=0.972  
Cmpd 67593, +MS2(791.3872), 37.0eV, 70.5min, 1/K0=0.967 #35553  
Cmpd 55234, +MS2(791.3873), 37.0eV, 65.8min, 1/K0=0.970 #33100  
Cmpd 58009, +MS2(793.4400), 37.0eV, 66.9min, 1/K0=0.969 #33661  
Cmpd 57837, +MS2(793.4413), 37.0eV, 66.821-66.823min, 1/K0=0.969  
Cmpd 59153, +MS2(793.4442), 37.0eV, 67.3min, 1/K0=0.971 #33881  
Cmpd 64435, +MS2(803.3103), 37.0eV, 69.354-69.357min, 1/K0=0.958  
Cmpd 117636, +MS2(805.3987), 37.0eV, 87.5min, 1/K0=0.982 #44485  
Cmpd 117818, +MS2(805.3988), 37.0eV, 87.6min, 1/K0=0.981 #44507  
Cmpd 121766, +MS2(807.8975), 37.0eV, 88.6min, 1/K0=0.961 #45035  
Cmpd 121753, +MS2(807.9002), 37.0eV, 88.6min, 1/K0=0.964 #45034  
Cmpd 19086, +MS2(538.9612), 31.9eV, 49.7min, 1/K0=0.751 #24553  
Cmpd 18859, +MS2(538.9637), 31.9eV, 49.5min, 1/K0=0.750 #24487  
Cmpd 18893, +MS2(807.9427), 37.0eV, 49.6min, 1/K0=0.956 #24498  
Cmpd 19037, +MS2(807.9449), 37.0eV, 49.6min, 1/K0=0.958 #24542

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Cmpd 57427, +MS2(808.8652), 37.0eV, 66.7min, 1/K0=0.998 #33550  
Cmpd 69708, +MS2(808.8684), 37.0eV, 71.2min, 1/K0=0.999 #35927  
Cmpd 57716, +MS2(808.8686), 37.0eV, 66.771-66.777min, 1/K0=0.976  
Cmpd 57438, +MS2(808.8695), 37.0eV, 66.7min, 1/K0=1.001 #33551  
Cmpd 52268, +MS2(808.8699), 37.0eV, 64.641-64.643min, 1/K0=0.992  
Cmpd 69471, +MS2(808.8715), 37.0eV, 71.1min, 1/K0=1.000 #35885  
Cmpd 70919, +MS2(808.8730), 37.0eV, 71.617-71.619min, 1/K0=0.995  
Cmpd 117564, +MS2(813.4381), 37.0eV, 87.5min, 1/K0=1.000 #44475  
Cmpd 91165, +MS2(814.4501), 37.0eV, 79.186-79.188min, 1/K0=0.982  
Cmpd 92163, +MS2(814.4505), 37.0eV, 79.586-79.590min, 1/K0=0.976  
Cmpd 91376, +MS2(814.4531), 37.0eV, 79.27-79.29min, 1/K0=1.026 #4  
Cmpd 95509, +MS2(828.3390), 37.0eV, 80.9min, 1/K0=0.962 #41043  
Cmpd 70296, +MS2(831.4103), 37.0eV, 71.4min, 1/K0=0.984 #36026  
Cmpd 69970, +MS2(831.4120), 37.0eV, 71.263-71.265min, 1/K0=0.983  
Cmpd 93458, +MS2(831.4155), 37.0eV, 80.1min, 1/K0=0.980 #40624  
Cmpd 29466, +MS2(842.3787), 37.0eV, 55.106-55.109min, 1/K0=0.964  
Cmpd 26807, +MS2(842.3788), 37.0eV, 53.7min, 1/K0=0.967 #26687  
Cmpd 25773, +MS2(842.3802), 37.0eV, 53.155-53.159min, 1/K0=0.965  
Cmpd 25869, +MS2(842.3805), 37.0eV, 53.2min, 1/K0=0.962 #26434  
Cmpd 27157, +MS2(842.3806), 37.0eV, 53.861-53.869min, 1/K0=0.984  
Cmpd 28329, +MS2(842.3808), 37.0eV, 54.5min, 1/K0=0.965 #27128  
Cmpd 27583, +MS2(842.3817), 37.0eV, 54.1min, 1/K0=0.966 #26908  
Cmpd 31203, +MS2(842.3856), 37.0eV, 55.967-55.972min, 1/K0=0.963  
Cmpd 30312, +MS2(842.3832), 37.0eV, 55.519-55.521min, 1/K0=0.968  
Cmpd 26342, +MS2(842.3817), 31.9eV, 53.437-53.441min, 1/K0=0.800  
Cmpd 25992, +MS2(842.3836), 37.0eV, 53.3min, 1/K0=0.961 #26467  
Cmpd 26200, +MS2(842.3841), 31.9eV, 53.377-53.378min, 1/K0=0.790  
Cmpd 26006, +MS2(842.3844), 37.0eV, 53.3min, 1/K0=0.977 #26469  
Cmpd 26154, +MS2(842.3852), 31.9eV, 53.356-53.358min, 1/K0=0.840  
Cmpd 26345, +MS2(842.3855), 37.0eV, 53.439-53.441min, 1/K0=1.000  
Cmpd 114324, +MS2(852.3874), 37.0eV, 86.7min, 1/K0=0.972 #44047  
Cmpd 114503, +MS2(852.3879), 37.0eV, 86.7min, 1/K0=0.975 #44069  
Cmpd 117673, +MS2(854.9320), 37.0eV, 87.5min, 1/K0=1.031 #44488  
Cmpd 117817, +MS2(854.9353), 37.0eV, 87.6min, 1/K0=1.030 #44507  
Cmpd 20158, +MS2(571.9786), 37.0eV, 50.212-50.219min, 1/K0=0.859  
Cmpd 24033, +MS2(859.8461), 37.0eV, 52.275-52.277min, 1/K0=1.026  
Cmpd 25061, +MS2(859.8496), 37.0eV, 52.779-52.789min, 1/K0=1.028  
Cmpd 26025, +MS2(859.8476), 37.0eV, 53.293-53.295min, 1/K0=1.027  
Cmpd 25932, +MS2(859.8540), 37.0eV, 53.246-53.254min, 1/K0=1.024  
Cmpd 24204, +MS2(859.8478), 37.0eV, 52.4min, 1/K0=1.030 #25983  
Cmpd 24060, +MS2(859.8479), 37.0eV, 52.284-52.290min, 1/K0=1.025  
Cmpd 65037, +MS2(859.8510), 37.0eV, 69.6min, 1/K0=0.985 #35082  
Cmpd 24225, +MS2(859.8499), 37.0eV, 52.373-52.379min, 1/K0=0.998  
Cmpd 67376, +MS2(859.8506), 37.0eV, 70.386-70.388min, 1/K0=1.028  
Cmpd 64182, +MS2(859.8538), 37.0eV, 69.278-69.282min, 1/K0=1.020  
Cmpd 64597, +MS2(859.8524), 37.0eV, 69.4min, 1/K0=1.024 #34992  
Cmpd 67447, +MS2(859.8534), 37.0eV, 70.41-70.43min, 1/K0=1.026 #3  
Cmpd 65736, +MS2(859.8536), 37.0eV, 69.8min, 1/K0=1.024 #35212

Cmpd 64276, +MS2(859.8558), 37.0eV, 69.3min, 1/K0=1.022 #34938  
Cmpd 25250, +MS2(866.3835), 37.0eV, 52.887-52.896min, 1/K0=1.030  
Cmpd 69410, +MS2(866.3852), 37.0eV, 71.1min, 1/K0=1.044 #35875  
Cmpd 57415, +MS2(866.3854), 37.0eV, 66.675-66.677min, 1/K0=1.039  
Cmpd 69596, +MS2(866.3863), 37.0eV, 71.1min, 1/K0=1.043 #35906  
Cmpd 69356, +MS2(866.3883), 37.0eV, 71.070-71.078min, 1/K0=1.043  
Cmpd 52275, +MS2(866.3888), 37.0eV, 64.643-64.649min, 1/K0=1.044  
Cmpd 70772, +MS2(866.3890), 37.0eV, 71.6min, 1/K0=1.038 #36126  
Cmpd 44433, +MS2(581.3256), 31.9eV, 61.512-61.519min, 1/K0=0.774  
Cmpd 44633, +MS2(871.4965), 37.0eV, 61.578-61.586min, 1/K0=1.045  
Cmpd 44478, +MS2(871.4993), 37.0eV, 61.529-61.531min, 1/K0=1.044  
Cmpd 44554, +MS2(871.4968), 37.0eV, 61.55-61.57min, 1/K0=1.048 #36126  
Cmpd 44535, +MS2(871.5003), 37.0eV, 61.548-61.552min, 1/K0=1.046  
Cmpd 54076, +MS2(582.2765), 31.9eV, 65.4min, 1/K0=0.751 #32870  
Cmpd 57586, +MS2(872.9143), 37.0eV, 66.726-66.728min, 1/K0=1.009  
Cmpd 58692, +MS2(872.9169), 37.0eV, 67.1min, 1/K0=1.004 #33793  
Cmpd 52129, +MS2(872.9169), 37.0eV, 64.6min, 1/K0=1.008 #32462  
Cmpd 51825, +MS2(872.9151), 37.0eV, 64.523-64.525min, 1/K0=1.009  
Cmpd 54246, +MS2(872.9174), 37.0eV, 65.4min, 1/K0=1.007 #32902  
Cmpd 51862, +MS2(872.9178), 37.0eV, 64.536-64.538min, 1/K0=1.006  
Cmpd 53205, +MS2(872.9180), 37.0eV, 65.0min, 1/K0=1.009 #32682  
Cmpd 51972, +MS2(872.9181), 37.0eV, 64.6min, 1/K0=1.009 #32441  
Cmpd 66965, +MS2(872.9210), 37.0eV, 70.246-70.255min, 1/K0=1.005  
Cmpd 55363, +MS2(872.9210), 37.0eV, 65.9min, 1/K0=1.008 #33123  
Cmpd 132868, +MS2(880.9434), 37.0eV, 94.013-94.020min, 1/K0=1.01  
Cmpd 93902, +MS2(880.9445), 42.0eV, 80.273-80.275min, 1/K0=1.087  
Cmpd 93436, +MS2(880.9446), 37.0eV, 80.095-80.097min, 1/K0=0.879  
Cmpd 133807, +MS2(880.9447), 37.0eV, 95.792-95.796min, 1/K0=1.01  
Cmpd 124581, +MS2(880.9446), 37.0eV, 89.491-89.494min, 1/K0=1.01  
Cmpd 94350, +MS2(880.9446), 37.0eV, 80.5min, 1/K0=1.027 #40811  
Cmpd 69958, +MS2(880.9478), 37.0eV, 71.259-71.261min, 1/K0=1.018  
Cmpd 130232, +MS2(880.9469), 37.0eV, 92.020-92.022min, 1/K0=1.01  
Cmpd 128464, +MS2(880.9456), 37.0eV, 91.179-91.182min, 1/K0=1.01  
Cmpd 127590, +MS2(880.9468), 37.0eV, 90.749-90.757min, 1/K0=1.01  
Cmpd 125654, +MS2(880.9456), 37.0eV, 89.917-89.921min, 1/K0=1.02  
Cmpd 103342, +MS2(880.9470), 37.0eV, 83.7min, 1/K0=1.024 #42495  
Cmpd 132797, +MS2(880.9476), 37.0eV, 93.910-93.915min, 1/K0=1.01  
Cmpd 102132, +MS2(880.9476), 37.0eV, 83.2min, 1/K0=1.027 #42274  
Cmpd 98838, +MS2(880.9477), 37.0eV, 82.0min, 1/K0=1.024 #41614  
Cmpd 99941, +MS2(880.9479), 37.0eV, 82.4min, 1/K0=1.025 #41834  
Cmpd 105819, +MS2(880.9480), 37.0eV, 84.5min, 1/K0=1.027 #42935  
Cmpd 95443, +MS2(880.9484), 37.0eV, 80.9min, 1/K0=1.026 #41031  
Cmpd 93535, +MS2(880.9485), 37.0eV, 80.1min, 1/K0=0.944 #40636  
Cmpd 93292, +MS2(880.9490), 37.0eV, 80.0min, 1/K0=1.031 #40591  
Cmpd 100992, +MS2(880.9493), 37.0eV, 82.8min, 1/K0=1.022 #42054  
Cmpd 130251, +MS2(880.9494), 37.0eV, 92.026-92.030min, 1/K0=1.01  
Cmpd 104562, +MS2(880.9478), 37.0eV, 84.1min, 1/K0=1.024 #42714  
Cmpd 93971, +MS2(880.9506), 37.0eV, 80.3min, 1/K0=0.966 #40726

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Cmpd 93106, +MS2(880.9505), 37.0eV, 80.0min, 1/K0=1.031 #40547  
Cmpd 18554, +MS2(590.2857), 31.9eV, 49.360-49.361min, 1/K0=0.800  
Cmpd 113998, +MS2(885.8492), 37.0eV, 86.6min, 1/K0=0.993 #44003  
Cmpd 121475, +MS2(887.9507), 42.0eV, 88.5min, 1/K0=1.080 #44995  
Cmpd 117729, +MS2(890.4518), 42.0eV, 87.5min, 1/K0=1.066 #44496  
Cmpd 117625, +MS2(890.4551), 42.0eV, 87.5min, 1/K0=1.063 #44484  
Cmpd 68029, +MS2(892.4996), 42.0eV, 70.626-70.633min, 1/K0=1.072  
Cmpd 93501, +MS2(900.9286), 37.0eV, 80.116-80.118min, 1/K0=0.993  
Cmpd 121916, +MS2(900.9417), 37.0eV, 88.6min, 1/K0=0.931 #45055  
Cmpd 121700, +MS2(900.9380), 37.0eV, 88.6min, 1/K0=1.021 #45025  
Cmpd 123180, +MS2(900.9381), 37.0eV, 89.0min, 1/K0=1.013 #45245  
Cmpd 121765, +MS2(900.9406), 37.0eV, 88.6min, 1/K0=1.018 #45035  
Cmpd 114263, +MS2(902.9144), 37.0eV, 86.6min, 1/K0=1.018 #44040  
Cmpd 114311, +MS2(902.9116), 37.0eV, 86.7min, 1/K0=1.016 #44046  
Cmpd 114491, +MS2(902.9135), 37.0eV, 86.7min, 1/K0=1.017 #44068  
Cmpd 19430, +MS2(609.2912), 31.9eV, 49.8min, 1/K0=0.772 #24641  
Cmpd 43042, +MS2(609.2919), 31.9eV, 61.0min, 1/K0=0.773 #30561  
Cmpd 18656, +MS2(609.2918), 31.9eV, 49.4min, 1/K0=0.774 #24421  
Cmpd 42769, +MS2(609.2942), 31.9eV, 60.890-60.892min, 1/K0=0.799  
Cmpd 23408, +MS2(609.2940), 31.9eV, 52.0min, 1/K0=0.793 #25774  
Cmpd 19820, +MS2(609.2929), 31.9eV, 50.0min, 1/K0=0.755 #24740  
Cmpd 24184, +MS2(609.2935), 31.9eV, 52.349-52.354min, 1/K0=0.771  
Cmpd 27282, +MS2(609.2940), 31.9eV, 53.923-53.925min, 1/K0=0.771  
Cmpd 22653, +MS2(609.2938), 31.9eV, 51.539-51.545min, 1/K0=0.801  
Cmpd 18895, +MS2(609.2941), 31.9eV, 49.6min, 1/K0=0.791 #24498  
Cmpd 18185, +MS2(609.2933), 31.9eV, 49.160-49.164min, 1/K0=0.795  
Cmpd 29600, +MS2(609.2950), 31.9eV, 55.168-55.172min, 1/K0=0.767  
Cmpd 116685, +MS2(914.3621), 37.0eV, 87.3min, 1/K0=1.003 #44355  
Cmpd 112787, +MS2(914.3600), 37.0eV, 86.3min, 1/K0=1.000 #43848  
Cmpd 69219, +MS2(915.9213), 37.0eV, 71.021-71.029min, 1/K0=1.008  
Cmpd 65130, +MS2(915.9201), 37.0eV, 69.6min, 1/K0=1.031 #35104  
Cmpd 72563, +MS2(915.9203), 37.0eV, 72.3min, 1/K0=1.004 #36498  
Cmpd 72112, +MS2(915.9231), 37.0eV, 72.077-72.080min, 1/K0=1.027  
Cmpd 65351, +MS2(915.9229), 37.0eV, 69.7min, 1/K0=1.007 #35146  
Cmpd 64649, +MS2(917.3593), 37.0eV, 69.4min, 1/K0=0.933 #35002  
Cmpd 67826, +MS2(917.3652), 37.0eV, 70.6min, 1/K0=1.008 #35598  
Cmpd 71388, +MS2(917.3654), 37.0eV, 71.798-71.802min, 1/K0=1.002  
Cmpd 66641, +MS2(917.3667), 37.0eV, 70.1min, 1/K0=1.003 #35378  
Cmpd 65404, +MS2(917.3669), 37.0eV, 69.7min, 1/K0=1.010 #35157  
Cmpd 70927, +MS2(917.3681), 37.0eV, 71.6min, 1/K0=1.001 #36157  
Cmpd 64142, +MS2(917.3678), 37.0eV, 69.3min, 1/K0=1.008 #34915  
Cmpd 64266, +MS2(917.3689), 37.0eV, 69.3min, 1/K0=1.007 #34937  
Cmpd 57386, +MS2(923.8994), 42.0eV, 66.67-66.68min, 1/K0=1.077 #34937  
Cmpd 70347, +MS2(923.8960), 42.0eV, 71.4min, 1/K0=1.101 #36037  
Cmpd 69329, +MS2(923.8998), 42.0eV, 71.1min, 1/K0=1.093 #35862  
Cmpd 69707, +MS2(923.8977), 42.0eV, 71.2min, 1/K0=1.086 #35927  
Cmpd 71417, +MS2(923.8984), 42.0eV, 71.8min, 1/K0=1.098 #36257  
Cmpd 73661, +MS2(923.8987), 42.0eV, 72.6min, 1/K0=1.086 #36697

Cmpd 69449, +MS2(923.8991), 42.0eV, 71.1min, 1/K0=1.092 #35883  
Cmpd 52169, +MS2(923.9013), 42.0eV, 64.6min, 1/K0=1.086 #32465  
Cmpd 69925, +MS2(923.9031), 37.0eV, 71.2min, 1/K0=1.049 #35961  
Cmpd 14419, +MS2(620.6218), 31.9eV, 46.815-46.819min, 1/K0=0.775  
Cmpd 54195, +MS2(930.4303), 37.0eV, 65.4min, 1/K0=1.035 #32892  
Cmpd 55307, +MS2(930.4308), 37.0eV, 65.9min, 1/K0=1.042 #33113  
Cmpd 58301, +MS2(930.4319), 37.0eV, 67.0min, 1/K0=1.036 #33729  
Cmpd 52055, +MS2(930.4340), 37.0eV, 64.6min, 1/K0=1.037 #32452  
Cmpd 14361, +MS2(620.6235), 31.9eV, 46.8min, 1/K0=0.777 #23023  
Cmpd 51905, +MS2(930.4327), 37.0eV, 64.6min, 1/K0=1.034 #32430  
Cmpd 53150, +MS2(930.4327), 37.0eV, 65.0min, 1/K0=1.034 #32672  
Cmpd 52932, +MS2(930.4344), 37.0eV, 64.931-64.933min, 1/K0=1.003  
Cmpd 114297, +MS2(938.4309), 37.0eV, 86.7min, 1/K0=1.046 #44045  
Cmpd 114477, +MS2(938.4304), 37.0eV, 86.7min, 1/K0=1.047 #44067  
Cmpd 71592, +MS2(944.9920), 42.0eV, 71.9min, 1/K0=1.073 #36290  
Cmpd 79671, +MS2(944.9935), 42.0eV, 74.8min, 1/K0=1.067 #37830  
Cmpd 103268, +MS2(944.9938), 42.0eV, 83.6min, 1/K0=1.067 #42483  
Cmpd 107224, +MS2(944.9938), 42.0eV, 84.9min, 1/K0=1.073 #43134  
Cmpd 87591, +MS2(944.9937), 42.0eV, 77.8min, 1/K0=1.064 #39404  
Cmpd 98784, +MS2(944.9982), 42.0eV, 82.0min, 1/K0=1.064 #41604  
Cmpd 86546, +MS2(944.9943), 42.0eV, 77.4min, 1/K0=1.065 #39184  
Cmpd 78465, +MS2(944.9952), 42.0eV, 74.4min, 1/K0=1.065 #37610  
Cmpd 85503, +MS2(944.9954), 42.0eV, 77.0min, 1/K0=1.065 #38964  
Cmpd 80832, +MS2(944.9945), 42.0eV, 75.2min, 1/K0=1.067 #38050  
Cmpd 93951, +MS2(944.9949), 42.0eV, 80.3min, 1/K0=1.070 #40723  
Cmpd 72621, +MS2(944.9951), 42.0eV, 72.3min, 1/K0=1.068 #36510  
Cmpd 84389, +MS2(944.9952), 42.0eV, 76.5min, 1/K0=1.062 #38743  
Cmpd 69851, +MS2(944.9949), 42.0eV, 71.2min, 1/K0=1.061 #35949  
Cmpd 83240, +MS2(944.9959), 42.0eV, 76.1min, 1/K0=1.069 #38523  
Cmpd 69779, +MS2(944.9953), 42.0eV, 71.2min, 1/K0=1.063 #35938  
Cmpd 74988, +MS2(944.9961), 42.0eV, 73.1min, 1/K0=1.066 #36950  
Cmpd 112166, +MS2(944.9968), 42.0eV, 86.1min, 1/K0=1.069 #43770  
Cmpd 96184, +MS2(944.9977), 42.0eV, 81.1min, 1/K0=1.069 #41165  
Cmpd 78639, +MS2(944.9960), 37.0eV, 74.452-74.456min, 1/K0=1.027  
Cmpd 73831, +MS2(944.9966), 42.0eV, 72.7min, 1/K0=1.069 #36730  
Cmpd 74344, +MS2(944.9966), 37.0eV, 72.9min, 1/K0=1.036 #36829  
Cmpd 102092, +MS2(944.9975), 42.0eV, 83.2min, 1/K0=1.066 #42265  
Cmpd 110636, +MS2(944.9981), 42.0eV, 85.7min, 1/K0=1.073 #43568  
Cmpd 91831, +MS2(944.9964), 42.0eV, 79.5min, 1/K0=1.066 #40283  
Cmpd 76076, +MS2(944.9970), 42.0eV, 73.5min, 1/K0=1.062 #37170  
Cmpd 77373, +MS2(944.9985), 42.0eV, 74.0min, 1/K0=1.062 #37390  
Cmpd 82169, +MS2(944.9962), 42.0eV, 75.7min, 1/K0=1.065 #38303  
Cmpd 90783, +MS2(944.9961), 42.0eV, 79.0min, 1/K0=1.060 #40065  
Cmpd 105760, +MS2(944.9955), 42.0eV, 84.5min, 1/K0=1.072 #42925  
Cmpd 97483, +MS2(945.0003), 42.0eV, 81.6min, 1/K0=1.067 #41387  
Cmpd 118078, +MS2(951.4648), 37.0eV, 87.6min, 1/K0=1.036 #44540  
Cmpd 119823, +MS2(951.4645), 37.0eV, 88.1min, 1/K0=1.037 #44793  
Cmpd 118350, +MS2(951.4655), 37.0eV, 87.7min, 1/K0=1.033 #44573

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Cmpd 118601, +MS2(951.4666), 42.0eV, 87.7min, 1/K0=1.057 #44606  
Cmpd 103292, +MS2(965.9975), 42.0eV, 83.6min, 1/K0=1.071 #42486  
Cmpd 103333, +MS2(966.0000), 42.0eV, 83.7min, 1/K0=1.072 #42494  
Cmpd 65483, +MS2(966.9031), 37.0eV, 69.7min, 1/K0=1.033 #35169  
Cmpd 64332, +MS2(966.9050), 37.0eV, 69.3min, 1/K0=1.034 #34948  
Cmpd 64161, +MS2(966.9052), 37.0eV, 69.266-69.268min, 1/K0=1.031  
Cmpd 21200, +MS2(646.9913), 31.9eV, 50.756-50.760min, 1/K0=0.821  
Cmpd 19971, +MS2(646.9873), 31.9eV, 50.080-50.082min, 1/K0=0.811  
Cmpd 19097, +MS2(646.9871), 31.9eV, 49.7min, 1/K0=0.816 #24555  
Cmpd 18639, +MS2(646.9868), 31.9eV, 49.410-49.412min, 1/K0=0.811  
Cmpd 114079, +MS2(970.9035), 37.0eV, 86.6min, 1/K0=1.052 #44014  
Cmpd 116694, +MS2(970.9034), 37.0eV, 87.3min, 1/K0=1.041 #44356  
Cmpd 112828, +MS2(970.9029), 37.0eV, 86.3min, 1/K0=1.038 #43853  
Cmpd 113879, +MS2(970.9046), 42.0eV, 86.5min, 1/K0=1.056 #43989  
Cmpd 116093, +MS2(970.9059), 42.0eV, 87.1min, 1/K0=1.060 #44278  
Cmpd 117660, +MS2(971.9837), 42.0eV, 87.5min, 1/K0=1.115 #44487  
Cmpd 117816, +MS2(971.9846), 42.0eV, 87.6min, 1/K0=1.113 #44507  
Cmpd 121768, +MS2(652.9854), 31.9eV, 88.6min, 1/K0=0.849 #45035  
Cmpd 134013, +MS2(978.9822), 42.0eV, 96.527-96.531min, 1/K0=1.06  
Cmpd 132537, +MS2(978.9816), 42.0eV, 93.56-93.57min, 1/K0=1.066 #  
Cmpd 133883, +MS2(978.9817), 42.0eV, 95.91-95.92min, 1/K0=1.062 #  
Cmpd 130813, +MS2(978.9841), 42.0eV, 92.3min, 1/K0=1.068 #46993  
Cmpd 132844, +MS2(978.9821), 42.0eV, 93.979-93.986min, 1/K0=1.06  
Cmpd 130570, +MS2(978.9858), 37.0eV, 92.19-92.21min, 1/K0=1.043 #  
Cmpd 129996, +MS2(978.9845), 42.0eV, 91.9min, 1/K0=1.070 #46773  
Cmpd 129086, +MS2(978.9839), 42.0eV, 91.5min, 1/K0=1.068 #46553  
Cmpd 133200, +MS2(978.9828), 42.0eV, 94.57-94.59min, 1/K0=1.062 #  
Cmpd 128225, +MS2(978.9832), 42.0eV, 91.1min, 1/K0=1.067 #46333  
Cmpd 133858, +MS2(978.9836), 42.0eV, 95.844-95.852min, 1/K0=1.06  
Cmpd 127356, +MS2(978.9819), 42.0eV, 90.6min, 1/K0=1.069 #46113  
Cmpd 131543, +MS2(978.9837), 42.0eV, 92.7min, 1/K0=1.067 #47213  
Cmpd 132121, +MS2(978.9843), 42.0eV, 93.127-93.134min, 1/K0=1.06  
Cmpd 126398, +MS2(978.9826), 42.0eV, 90.2min, 1/K0=1.069 #45893  
Cmpd 133551, +MS2(978.9847), 42.0eV, 95.398-95.400min, 1/K0=1.06  
Cmpd 124305, +MS2(978.9857), 42.0eV, 89.4min, 1/K0=1.072 #45453  
Cmpd 133132, +MS2(978.9854), 42.0eV, 94.45-94.46min, 1/K0=1.062 #  
Cmpd 125344, +MS2(978.9833), 42.0eV, 89.8min, 1/K0=1.070 #45673  
Cmpd 131583, +MS2(978.9853), 37.0eV, 92.755-92.759min, 1/K0=1.04  
Cmpd 123169, +MS2(978.9865), 42.0eV, 89.0min, 1/K0=1.074 #45244  
Cmpd 121764, +MS2(978.9865), 42.0eV, 88.6min, 1/K0=1.075 #45035  
Cmpd 76682, +MS2(980.4429), 42.0eV, 73.72-73.73min, 1/K0=1.146 #  
Cmpd 70761, +MS2(980.4409), 42.0eV, 71.6min, 1/K0=1.139 #36125  
Cmpd 69392, +MS2(980.4409), 42.0eV, 71.1min, 1/K0=1.144 #35873  
Cmpd 69580, +MS2(980.4427), 42.0eV, 71.1min, 1/K0=1.139 #35905  
Cmpd 69719, +MS2(980.4446), 42.0eV, 71.2min, 1/K0=1.124 #35928  
Cmpd 52338, +MS2(987.9375), 37.0eV, 64.662-64.664min, 1/K0=0.861  
Cmpd 53098, +MS2(658.9610), 31.9eV, 65.0min, 1/K0=0.788 #32662  
Cmpd 52380, +MS2(987.9371), 31.9eV, 64.679-64.683min, 1/K0=0.835

Cmpd 51994, +MS2(658.9629), 31.9eV, 64.6min, 1/K0=0.789 #32443  
Cmpd 55296, +MS2(987.9433), 37.0eV, 65.8min, 1/K0=1.053 #33112  
Cmpd 55287, +MS2(987.9435), 42.0eV, 65.8min, 1/K0=1.066 #33111  
Cmpd 52041, +MS2(987.9435), 42.0eV, 64.6min, 1/K0=1.066 #32451  
Cmpd 44103, +MS2(987.9440), 42.0eV, 61.424-61.426min, 1/K0=1.057  
Cmpd 51914, +MS2(987.9464), 37.0eV, 64.6min, 1/K0=1.043 #32431  
Cmpd 52022, +MS2(987.9443), 37.0eV, 64.588-64.589min, 1/K0=1.028  
Cmpd 51893, +MS2(987.9463), 42.0eV, 64.6min, 1/K0=1.062 #32429  
Cmpd 57064, +MS2(987.9446), 42.0eV, 66.6min, 1/K0=1.064 #33507  
Cmpd 51803, +MS2(987.9439), 42.0eV, 64.514-64.516min, 1/K0=1.059  
Cmpd 61356, +MS2(987.9475), 37.0eV, 68.14-68.16min, 1/K0=1.044 #32431  
Cmpd 54185, +MS2(987.9449), 42.0eV, 65.4min, 1/K0=1.062 #32891  
Cmpd 53139, +MS2(987.9452), 42.0eV, 65.0min, 1/K0=1.066 #32671  
Cmpd 55352, +MS2(987.9466), 42.0eV, 65.868-65.871min, 1/K0=1.076  
Cmpd 52519, +MS2(987.9478), 37.0eV, 64.7min, 1/K0=1.037 #32528  
Cmpd 58286, +MS2(987.9483), 42.0eV, 67.0min, 1/K0=1.056 #33727  
Cmpd 56260, +MS2(987.9467), 42.0eV, 66.3min, 1/K0=1.059 #33331  
Cmpd 66785, +MS2(987.9491), 42.0eV, 70.189-70.193min, 1/K0=1.074  
Cmpd 65453, +MS2(987.9477), 42.0eV, 69.737-69.740min, 1/K0=1.083  
Cmpd 114490, +MS2(987.9640), 42.0eV, 86.7min, 1/K0=1.086 #44068  
Cmpd 114310, +MS2(987.9652), 42.0eV, 86.7min, 1/K0=1.085 #44046  
Cmpd 19098, +MS2(665.9936), 31.9eV, 49.7min, 1/K0=0.837 #24556  
Cmpd 18531, +MS2(665.9931), 31.9eV, 49.348-49.352min, 1/K0=0.839  
Cmpd 19979, +MS2(665.9968), 31.9eV, 50.084-50.086min, 1/K0=0.826  
Cmpd 112648, +MS2(999.4151), 42.0eV, 86.240-86.243min, 1/K0=1.06  
Cmpd 112772, +MS2(999.4131), 42.0eV, 86.3min, 1/K0=1.061 #43847  
Cmpd 116574, +MS2(999.4150), 42.0eV, 87.2min, 1/K0=1.063 #44342  
Cmpd 116554, +MS2(999.4149), 42.0eV, 87.2min, 1/K0=1.064 #44340  
Cmpd 53143, +MS2(673.0259), 31.9eV, 65.0min, 1/K0=0.772 #32671  
Cmpd 53208, +MS2(673.0281), 31.9eV, 65.0min, 1/K0=0.794 #32682  
Cmpd 53085, +MS2(1009.0483), 42.0eV, 65.0min, 1/K0=1.096 #32661  
Cmpd 52949, +MS2(1009.0497), 42.0eV, 64.941-64.947min, 1/K0=1.09  
Cmpd 64331, +MS2(1016.4188), 42.0eV, 69.3min, 1/K0=1.082 #34948  
Cmpd 65114, +MS2(1016.4248), 42.0eV, 69.6min, 1/K0=1.069 #35102  
Cmpd 64125, +MS2(1016.4310), 31.9eV, 69.257-69.259min, 1/K0=0.81  
Cmpd 37391, +MS2(1016.4312), 42.0eV, 58.62-58.64min, 1/K0=1.067 #35102  
Cmpd 39044, +MS2(1016.4265), 42.0eV, 59.339-59.345min, 1/K0=1.06  
Cmpd 65232, +MS2(1016.4249), 42.0eV, 69.7min, 1/K0=1.056 #35124  
Cmpd 65315, +MS2(1016.4284), 31.9eV, 69.684-69.686min, 1/K0=0.82  
Cmpd 38081, +MS2(1016.4329), 42.0eV, 58.920-58.926min, 1/K0=1.06  
Cmpd 133384, +MS2(1016.4266), 42.0eV, 95.02-95.03min, 1/K0=1.076  
Cmpd 51243, +MS2(1016.4269), 42.0eV, 64.266-64.268min, 1/K0=1.06  
Cmpd 43318, +MS2(1016.4279), 42.0eV, 61.144-61.149min, 1/K0=1.05  
Cmpd 67943, +MS2(1016.4289), 42.0eV, 70.6min, 1/K0=1.073 #35619  
Cmpd 66757, +MS2(1016.4286), 42.0eV, 70.2min, 1/K0=1.066 #35399  
Cmpd 49939, +MS2(1016.4300), 42.0eV, 63.745-63.751min, 1/K0=1.08  
Cmpd 134085, +MS2(1016.4339), 42.0eV, 98.31-98.32min, 1/K0=1.057  
Cmpd 64116, +MS2(1016.4311), 31.9eV, 69.249-69.253min, 1/K0=0.82



Cmpd 47897, +MS2(1016.4277), 42.0eV, 62.907-62.911min, 1/K0=1.06  
Cmpd 134041, +MS2(1016.4255), 42.0eV, 96.693-96.701min, 1/K0=1.0  
Cmpd 55387, +MS2(1016.4310), 42.0eV, 65.879-65.881min, 1/K0=1.06  
Cmpd 64361, +MS2(1016.4287), 37.0eV, 69.329-69.331min, 1/K0=0.88  
Cmpd 134138, +MS2(1016.4324), 42.0eV, 99.60-99.61min, 1/K0=1.057  
Cmpd 41064, +MS2(1016.4288), 42.0eV, 60.181-60.185min, 1/K0=1.06  
Cmpd 48933, +MS2(1016.4326), 42.0eV, 63.334-63.336min, 1/K0=1.06  
Cmpd 134170, +MS2(1016.4292), 42.0eV, 100.420-100.425min, 1/K0=1.06  
Cmpd 37893, +MS2(1016.4289), 42.0eV, 58.841-58.844min, 1/K0=1.06  
Cmpd 134100, +MS2(1016.4302), 42.0eV, 98.72-98.73min, 1/K0=1.058  
Cmpd 67386, +MS2(1016.4291), 42.0eV, 70.4min, 1/K0=1.086 #35509  
Cmpd 65413, +MS2(1016.4293), 42.0eV, 69.7min, 1/K0=1.102 #35158  
Cmpd 54245, +MS2(1016.4283), 42.0eV, 65.450-65.453min, 1/K0=1.06  
Cmpd 63998, +MS2(1016.4295), 42.0eV, 69.2min, 1/K0=1.068 #34882  
Cmpd 46761, +MS2(1016.4293), 42.0eV, 62.497-62.503min, 1/K0=1.05  
Cmpd 40027, +MS2(1016.4328), 42.0eV, 59.770-59.778min, 1/K0=1.06  
Cmpd 134121, +MS2(1016.4264), 42.0eV, 99.15-99.17min, 1/K0=1.056  
Cmpd 64179, +MS2(1016.4301), 37.0eV, 69.3min, 1/K0=0.896 #34922  
Cmpd 64613, +MS2(1016.4304), 37.0eV, 69.413-69.414min, 1/K0=0.95  
Cmpd 87120, +MS2(1016.4311), 42.0eV, 77.6min, 1/K0=1.069 #39304  
Cmpd 64642, +MS2(1016.4293), 37.0eV, 69.424-69.426min, 1/K0=0.93  
Cmpd 134184, +MS2(1016.4307), 42.0eV, 100.827-100.835min, 1/K0=1.06  
Cmpd 64751, +MS2(1016.4313), 31.9eV, 69.468-69.469min, 1/K0=0.84  
Cmpd 134154, +MS2(1016.4315), 42.0eV, 100.011-100.018min, 1/K0=1.06  
Cmpd 86642, +MS2(1016.4311), 42.0eV, 77.4min, 1/K0=1.080 #39205  
Cmpd 64202, +MS2(1016.4308), 37.0eV, 69.3min, 1/K0=1.038 #34926  
Cmpd 56856, +MS2(1016.4311), 42.0eV, 66.5min, 1/K0=1.062 #33463  
Cmpd 64782, +MS2(1016.4330), 37.0eV, 69.5min, 1/K0=0.975 #35027  
Cmpd 134078, +MS2(1016.4338), 37.0eV, 97.901-97.908min, 1/K0=1.0  
Cmpd 62857, +MS2(1016.4301), 42.0eV, 68.7min, 1/K0=1.069 #34629  
Cmpd 64232, +MS2(1016.4289), 37.0eV, 69.291-69.295min, 1/K0=0.91  
Cmpd 45779, +MS2(1016.4338), 42.0eV, 62.074-62.076min, 1/K0=1.05  
Cmpd 89210, +MS2(1016.4322), 42.0eV, 78.4min, 1/K0=1.060 #39745  
Cmpd 39079, +MS2(1016.4300), 42.0eV, 59.352-59.362min, 1/K0=1.07  
Cmpd 69941, +MS2(1016.4346), 37.0eV, 71.253-71.255min, 1/K0=1.04  
Cmpd 63830, +MS2(1016.4338), 42.0eV, 69.1min, 1/K0=1.068 #34849  
Cmpd 66382, +MS2(1016.4319), 42.0eV, 70.0min, 1/K0=1.064 #35323  
Cmpd 64240, +MS2(1016.4294), 37.0eV, 69.297-69.299min, 1/K0=0.86  
Cmpd 72372, +MS2(1016.4334), 42.0eV, 72.2min, 1/K0=1.070 #36455  
Cmpd 92422, +MS2(1016.4322), 42.0eV, 79.7min, 1/K0=1.067 #40404  
Cmpd 78122, +MS2(1016.4333), 42.0eV, 74.3min, 1/K0=1.068 #37544  
Cmpd 95631, +MS2(1016.4324), 42.0eV, 80.9min, 1/K0=1.072 #41064  
Cmpd 50173, +MS2(1016.4324), 42.0eV, 63.851-63.855min, 1/K0=1.06  
Cmpd 105818, +MS2(1016.4323), 42.0eV, 84.5min, 1/K0=1.075 #42935  
Cmpd 103355, +MS2(1016.4324), 42.0eV, 83.7min, 1/K0=1.073 #42497  
Cmpd 80498, +MS2(1016.4325), 42.0eV, 75.1min, 1/K0=1.069 #37985  
Cmpd 53244, +MS2(1016.4324), 42.0eV, 65.045-65.049min, 1/K0=1.07  
Cmpd 134053, +MS2(1016.4416), 37.0eV, 96.962-96.966min, 1/K0=1.0

Cmpd 90263, +MS2(1016.4334), 42.0eV, 78.8min, 1/K0=1.062 #39964  
Cmpd 74695, +MS2(1016.4335), 42.0eV, 73.0min, 1/K0=1.069 #36895  
Cmpd 56126, +MS2(1016.4327), 37.0eV, 66.2min, 1/K0=1.048 #33299  
Cmpd 42380, +MS2(1016.4280), 37.0eV, 60.72-60.74min, 1/K0=1.053 #33299  
Cmpd 61688, +MS2(1016.4327), 42.0eV, 68.3min, 1/K0=1.062 #34388  
Cmpd 94488, +MS2(1016.4328), 42.0eV, 80.5min, 1/K0=1.069 #40844  
Cmpd 86060, +MS2(1016.4328), 42.0eV, 77.2min, 1/K0=1.072 #39084  
Cmpd 42211, +MS2(1016.4354), 42.0eV, 60.643-60.649min, 1/K0=1.053 #33299  
Cmpd 88150, +MS2(1016.4345), 42.0eV, 78.0min, 1/K0=1.069 #39524  
Cmpd 81657, +MS2(1016.4330), 42.0eV, 75.5min, 1/K0=1.065 #38205  
Cmpd 55907, +MS2(1016.4330), 42.0eV, 66.1min, 1/K0=1.062 #33243  
Cmpd 77961, +MS2(1016.4331), 42.0eV, 74.2min, 1/K0=1.081 #37511  
Cmpd 74180, +MS2(1016.4331), 37.0eV, 72.8min, 1/K0=1.052 #36796  
Cmpd 83874, +MS2(1016.4338), 42.0eV, 76.3min, 1/K0=1.067 #38644  
Cmpd 99947, +MS2(1016.4330), 42.0eV, 82.4min, 1/K0=1.069 #41835  
Cmpd 75800, +MS2(1016.4338), 42.0eV, 73.4min, 1/K0=1.066 #37115  
Cmpd 84988, +MS2(1016.4328), 42.0eV, 76.8min, 1/K0=1.068 #38864  
Cmpd 60554, +MS2(1016.4332), 42.0eV, 67.8min, 1/K0=1.063 #34168  
Cmpd 104561, +MS2(1016.4339), 42.0eV, 84.1min, 1/K0=1.072 #42714  
Cmpd 102143, +MS2(1016.4337), 42.0eV, 83.2min, 1/K0=1.068 #42275  
Cmpd 79067, +MS2(1016.4335), 42.0eV, 74.6min, 1/K0=1.080 #37732  
Cmpd 73543, +MS2(1016.4344), 42.0eV, 72.6min, 1/K0=1.065 #36675  
Cmpd 79239, +MS2(1016.4339), 42.0eV, 74.7min, 1/K0=1.070 #37765  
Cmpd 133948, +MS2(1016.4301), 42.0eV, 96.216-96.220min, 1/K0=1.066 #40184  
Cmpd 91368, +MS2(1016.4347), 42.0eV, 79.3min, 1/K0=1.066 #40184  
Cmpd 71763, +MS2(1016.4336), 42.0eV, 71.9min, 1/K0=1.090 #36324  
Cmpd 82754, +MS2(1016.4339), 42.0eV, 75.9min, 1/K0=1.069 #38425  
Cmpd 72632, +MS2(1016.4337), 42.0eV, 72.3min, 1/K0=1.057 #36511  
Cmpd 93471, +MS2(1016.4339), 42.0eV, 80.1min, 1/K0=1.070 #40625  
Cmpd 58668, +MS2(1016.4375), 42.0eV, 67.129-67.133min, 1/K0=1.066 #40184  
Cmpd 53120, +MS2(1016.4339), 42.0eV, 65.004-65.006min, 1/K0=1.070 #40625  
Cmpd 134061, +MS2(1016.4262), 42.0eV, 97.10-97.11min, 1/K0=1.054 #36268  
Cmpd 134071, +MS2(1016.4346), 42.0eV, 97.50-97.51min, 1/K0=1.056 #36268  
Cmpd 59458, +MS2(1016.4345), 42.0eV, 67.4min, 1/K0=1.065 #33948  
Cmpd 133330, +MS2(1016.4348), 37.0eV, 94.878-94.881min, 1/K0=1.066 #40184  
Cmpd 98852, +MS2(1016.4355), 42.0eV, 82.0min, 1/K0=1.067 #41616  
Cmpd 71476, +MS2(1016.4356), 37.0eV, 71.8min, 1/K0=1.046 #36268  
Cmpd 69212, +MS2(1016.4344), 42.0eV, 71.0min, 1/K0=1.066 #35840  
Cmpd 100991, +MS2(1016.4340), 42.0eV, 82.8min, 1/K0=1.067 #42054  
Cmpd 76922, +MS2(1016.4370), 37.0eV, 73.8min, 1/K0=1.054 #37303  
Cmpd 70830, +MS2(1016.4383), 37.0eV, 71.6min, 1/K0=1.048 #36137  
Cmpd 97525, +MS2(1016.4364), 42.0eV, 81.6min, 1/K0=1.067 #41395  
Cmpd 71312, +MS2(1016.4381), 42.0eV, 71.8min, 1/K0=1.054 #36235  
Cmpd 77082, +MS2(1016.4381), 42.0eV, 73.9min, 1/K0=1.067 #37335  
Cmpd 133504, +MS2(1016.4342), 37.0eV, 95.366-95.372min, 1/K0=1.066 #40184  
Cmpd 133188, +MS2(1016.4391), 37.0eV, 94.550-94.552min, 1/K0=1.066 #40184  
Cmpd 44861, +MS2(1016.4398), 42.0eV, 61.671-61.675min, 1/K0=1.066 #40184  
Cmpd 21359, +MS2(685.0018), 37.0eV, 50.799-50.801min, 1/K0=0.858 #36268

Cmpd 19275, +MS2(685.0014), 31.9eV, 49.8min, 1/K0=0.854 #24599  
Cmpd 18522, +MS2(685.0026), 31.9eV, 49.339-49.341min, 1/K0=0.849  
Cmpd 18489, +MS2(685.0041), 31.9eV, 49.328-49.329min, 1/K0=0.848  
Cmpd 20246, +MS2(685.0043), 31.9eV, 50.272-50.280min, 1/K0=0.844  
Cmpd 43130, +MS2(685.0066), 31.9eV, 61.06-61.07min, 1/K0=0.847 #  
Cmpd 117784, +MS2(691.3360), 37.0eV, 87.549-87.551min, 1/K0=0.87  
Cmpd 57263, +MS2(1037.9499), 42.0eV, 66.6min, 1/K0=1.174 #33531  
Cmpd 70617, +MS2(1037.9522), 42.0eV, 71.5min, 1/K0=1.173 #36092  
Cmpd 79793, +MS2(1037.9537), 42.0eV, 74.8min, 1/K0=1.172 #37852  
Cmpd 80954, +MS2(1037.9519), 42.0eV, 75.3min, 1/K0=1.167 #38073  
Cmpd 77481, +MS2(1037.9496), 42.0eV, 74.0min, 1/K0=1.168 #37412  
Cmpd 69139, +MS2(1037.9546), 42.0eV, 70.997-71.002min, 1/K0=1.17  
Cmpd 52182, +MS2(1037.9542), 42.0eV, 64.6min, 1/K0=1.174 #32466  
Cmpd 73965, +MS2(1037.9523), 42.0eV, 72.8min, 1/K0=1.168 #36753  
Cmpd 82136, +MS2(1037.9531), 42.0eV, 75.682-75.684min, 1/K0=1.17  
Cmpd 76192, +MS2(1037.9535), 42.0eV, 73.6min, 1/K0=1.172 #37192  
Cmpd 69255, +MS2(1037.9530), 42.0eV, 71.0min, 1/K0=1.175 #35850  
Cmpd 69380, +MS2(1037.9537), 42.0eV, 71.1min, 1/K0=1.174 #35872  
Cmpd 69809, +MS2(1037.9558), 42.0eV, 71.211-71.213min, 1/K0=1.06  
Cmpd 72745, +MS2(1037.9552), 42.0eV, 72.3min, 1/K0=1.171 #36533  
Cmpd 71698, +MS2(1037.9541), 42.0eV, 71.9min, 1/K0=1.170 #36312  
Cmpd 69727, +MS2(1037.9548), 42.0eV, 71.2min, 1/K0=1.105 #35929  
Cmpd 69469, +MS2(1037.9561), 42.0eV, 71.105-71.107min, 1/K0=1.10  
Cmpd 87742, +MS2(1037.9498), 42.0eV, 77.849-77.855min, 1/K0=1.16  
Cmpd 52967, +MS2(1037.9566), 42.0eV, 64.949-64.952min, 1/K0=1.17  
Cmpd 53036, +MS2(696.6575), 31.9eV, 65.0min, 1/K0=0.828 #32651  
Cmpd 55188, +MS2(696.6596), 31.9eV, 65.8min, 1/K0=0.830 #33090  
Cmpd 51989, +MS2(1044.4867), 42.0eV, 64.6min, 1/K0=1.082 #32443  
Cmpd 54075, +MS2(696.6598), 31.9eV, 65.4min, 1/K0=0.831 #32870  
Cmpd 51971, +MS2(1044.4870), 42.0eV, 64.6min, 1/K0=1.095 #32441  
Cmpd 23571, +MS2(696.6599), 31.9eV, 52.054-52.058min, 1/K0=0.828  
Cmpd 51936, +MS2(696.6608), 31.9eV, 64.6min, 1/K0=0.828 #32435  
Cmpd 56194, +MS2(696.6600), 31.9eV, 66.233-66.235min, 1/K0=0.832  
Cmpd 52289, +MS2(1044.4891), 42.0eV, 64.650-64.652min, 1/K0=1.15  
Cmpd 53149, +MS2(1044.4914), 42.0eV, 65.0min, 1/K0=1.098 #32672  
Cmpd 52916, +MS2(1044.4910), 42.0eV, 64.9min, 1/K0=1.085 #32627  
Cmpd 52054, +MS2(1044.4925), 42.0eV, 64.6min, 1/K0=1.097 #32452  
Cmpd 116693, +MS2(1048.9506), 42.0eV, 87.3min, 1/K0=1.090 #44356  
Cmpd 18453, +MS2(704.0048), 37.0eV, 49.307-49.311min, 1/K0=0.869  
Cmpd 18894, +MS2(704.0099), 37.0eV, 49.6min, 1/K0=0.871 #24498  
Cmpd 19739, +MS2(704.0125), 37.0eV, 50.0min, 1/K0=0.870 #24728  
Cmpd 18409, +MS2(704.0094), 37.0eV, 49.288-49.290min, 1/K0=0.867  
Cmpd 21294, +MS2(704.0121), 37.0eV, 50.780-50.782min, 1/K0=0.866  
Cmpd 19790, +MS2(704.0113), 37.0eV, 50.0min, 1/K0=0.869 #24733  
Cmpd 114295, +MS2(1061.4986), 42.0eV, 86.7min, 1/K0=1.147 #44045  
Cmpd 114475, +MS2(1061.4996), 42.0eV, 86.7min, 1/K0=1.147 #44067  
Cmpd 49066, +MS2(708.0005), 37.0eV, 63.389-63.391min, 1/K0=0.874  
Cmpd 114237, +MS2(1061.4991), 42.0eV, 86.638-86.640min, 1/K0=1.1

Cmpd 134143, +MS2(1064.5140), 42.0eV, 99.73-99.74min, 1/K0=1.106  
Cmpd 131372, +MS2(1064.5159), 42.0eV, 92.632-92.639min, 1/K0=1.0  
Cmpd 134169, +MS2(1064.5171), 42.0eV, 100.40-100.41min, 1/K0=1.1  
Cmpd 133944, +MS2(1064.5232), 42.0eV, 96.201-96.208min, 1/K0=1.1  
Cmpd 132857, +MS2(1064.5196), 42.0eV, 93.994-93.998min, 1/K0=1.1  
Cmpd 130784, +MS2(1064.5181), 42.0eV, 92.299-92.301min, 1/K0=1.1  
Cmpd 132096, +MS2(1064.5192), 42.0eV, 93.1min, 1/K0=1.116 #47411  
Cmpd 129829, +MS2(1064.5183), 42.0eV, 91.819-91.823min, 1/K0=1.1  
Cmpd 133812, +MS2(1064.5187), 42.0eV, 95.8min, 1/K0=1.116 #48846  
Cmpd 133079, +MS2(1064.5199), 42.0eV, 94.342-94.348min, 1/K0=1.1  
Cmpd 129906, +MS2(1064.5198), 42.0eV, 91.9min, 1/K0=1.121 #46751  
Cmpd 125789, +MS2(1064.5189), 42.0eV, 90.0min, 1/K0=1.109 #45761  
Cmpd 133709, +MS2(1064.5192), 42.0eV, 95.548-95.558min, 1/K0=1.0  
Cmpd 132501, +MS2(1064.5214), 42.0eV, 93.519-93.521min, 1/K0=1.1  
Cmpd 131466, +MS2(1064.5215), 42.0eV, 92.7min, 1/K0=1.118 #47191  
Cmpd 128998, +MS2(1064.5194), 42.0eV, 91.4min, 1/K0=1.121 #46531  
Cmpd 132542, +MS2(1064.5209), 42.0eV, 93.564-93.567min, 1/K0=1.0  
Cmpd 128141, +MS2(1064.5207), 42.0eV, 91.0min, 1/K0=1.120 #46311  
Cmpd 124856, +MS2(1064.5199), 42.0eV, 89.595-89.597min, 1/K0=1.1  
Cmpd 133481, +MS2(1064.5197), 42.0eV, 95.27-95.28min, 1/K0=1.112  
Cmpd 134115, +MS2(1064.5215), 42.0eV, 99.06-99.07min, 1/K0=1.124  
Cmpd 133322, +MS2(1064.5231), 42.0eV, 94.857-94.863min, 1/K0=1.1  
Cmpd 124195, +MS2(1064.5213), 42.0eV, 89.3min, 1/K0=1.122 #45431  
Cmpd 126302, +MS2(1064.5206), 42.0eV, 90.2min, 1/K0=1.122 #45871  
Cmpd 119318, +MS2(1064.5244), 42.0eV, 87.974-87.977min, 1/K0=1.1  
Cmpd 133638, +MS2(1064.5210), 42.0eV, 95.5min, 1/K0=1.112 #48680  
Cmpd 133674, +MS2(1064.5210), 42.0eV, 95.5min, 1/K0=1.145 #48690  
Cmpd 130728, +MS2(1064.5203), 42.0eV, 92.3min, 1/K0=1.121 #46971  
Cmpd 133303, +MS2(1064.5213), 42.0eV, 94.816-94.823min, 1/K0=1.1  
Cmpd 132997, +MS2(1064.5208), 42.0eV, 94.205-94.215min, 1/K0=1.1  
Cmpd 131794, +MS2(1064.5214), 42.0eV, 92.900-92.904min, 1/K0=1.1  
Cmpd 133166, +MS2(1064.5219), 42.0eV, 94.507-94.514min, 1/K0=1.0  
Cmpd 133515, +MS2(1064.5202), 42.0eV, 95.4min, 1/K0=1.118 #48629  
Cmpd 125233, +MS2(1064.5214), 42.0eV, 89.8min, 1/K0=1.124 #45651  
Cmpd 127266, +MS2(1064.5204), 42.0eV, 90.6min, 1/K0=1.121 #46091  
Cmpd 133925, +MS2(1064.5227), 42.0eV, 96.041-96.050min, 1/K0=1.0  
Cmpd 131893, +MS2(1064.5221), 42.0eV, 92.962-92.965min, 1/K0=1.1  
Cmpd 132810, +MS2(1064.5228), 42.0eV, 93.930-93.934min, 1/K0=1.1  
Cmpd 122779, +MS2(1064.5273), 42.0eV, 88.9min, 1/K0=1.121 #45178  
Cmpd 123079, +MS2(1064.5262), 42.0eV, 88.953-88.955min, 1/K0=1.1  
Cmpd 123314, +MS2(1064.5228), 42.0eV, 89.0min, 1/K0=1.138 #45268  
Cmpd 123030, +MS2(1064.5216), 42.0eV, 88.9min, 1/K0=1.122 #45222  
Cmpd 134113, +MS2(1064.5214), 42.0eV, 99.02-99.04min, 1/K0=1.106  
Cmpd 122971, +MS2(1064.5242), 42.0eV, 88.92-88.93min, 1/K0=1.111  
Cmpd 122728, +MS2(1064.5257), 42.0eV, 88.835-88.840min, 1/K0=1.1  
Cmpd 133131, +MS2(1064.5158), 42.0eV, 94.445-94.449min, 1/K0=1.1  
Cmpd 119346, +MS2(1064.5271), 42.0eV, 88.0min, 1/K0=1.127 #44728  
Cmpd 49047, +MS2(1080.4766), 42.0eV, 63.4min, 1/K0=1.081 #31813

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Cmpd 18291, +MS2(723.0174), 37.0eV, 49.222-49.226min, 1/K0=0.883  
Cmpd 18394, +MS2(723.0165), 37.0eV, 49.3min, 1/K0=0.881 #24346  
Cmpd 44583, +MS2(723.0143), 37.0eV, 61.561-61.565min, 1/K0=0.876  
Cmpd 46127, +MS2(723.0158), 37.0eV, 62.227-62.232min, 1/K0=0.889  
Cmpd 42577, +MS2(723.0160), 37.0eV, 60.807-60.809min, 1/K0=0.882  
Cmpd 18857, +MS2(723.0169), 37.0eV, 49.5min, 1/K0=0.884 #24487  
Cmpd 47841, +MS2(723.0177), 37.0eV, 62.882-62.884min, 1/K0=0.867  
Cmpd 19656, +MS2(723.0168), 37.0eV, 50.0min, 1/K0=0.879 #24711  
Cmpd 21325, +MS2(723.0178), 37.0eV, 50.8min, 1/K0=0.877 #25148  
Cmpd 23046, +MS2(723.0166), 37.0eV, 51.752-51.756min, 1/K0=0.877  
Cmpd 46315, +MS2(723.0139), 37.0eV, 62.310-62.315min, 1/K0=0.885  
Cmpd 20414, +MS2(723.0213), 37.0eV, 50.372-50.374min, 1/K0=0.879  
Cmpd 124375, +MS2(1085.5284), 42.0eV, 89.410-89.414min, 1/K0=1.1  
Cmpd 69354, +MS2(1087.4849), 42.0eV, 71.070-71.072min, 1/K0=1.19  
Cmpd 69561, +MS2(725.3261), 37.0eV, 71.1min, 1/K0=0.863 #35902  
Cmpd 69447, +MS2(1087.4879), 42.0eV, 71.1min, 1/K0=1.200 #35883  
Cmpd 70662, +MS2(1087.4879), 42.0eV, 71.5min, 1/K0=1.199 #36103  
Cmpd 52267, +MS2(1087.4886), 42.0eV, 64.64-64.65min, 1/K0=1.205 #  
Cmpd 69672, +MS2(1087.4911), 42.0eV, 71.169-71.171min, 1/K0=1.13  
Cmpd 112525, +MS2(1097.4729), 42.0eV, 86.2min, 1/K0=1.129 #43816  
Cmpd 116658, +MS2(1097.4724), 42.0eV, 87.3min, 1/K0=1.130 #44353  
Cmpd 116393, +MS2(1097.4761), 42.0eV, 87.2min, 1/K0=1.130 #44320  
Cmpd 112683, +MS2(1097.4736), 42.0eV, 86.3min, 1/K0=1.129 #43836  
Cmpd 116485, +MS2(1097.4774), 42.0eV, 87.2min, 1/K0=1.130 #44331  
Cmpd 119379, +MS2(1097.4786), 42.0eV, 87.987-87.991min, 1/K0=1.1  
Cmpd 72182, +MS2(735.0001), 31.9eV, 72.1min, 1/K0=0.830 #36411  
Cmpd 52127, +MS2(1101.9927), 42.0eV, 64.6min, 1/K0=1.142 #32462  
Cmpd 73461, +MS2(734.9995), 31.9eV, 72.573-72.576min, 1/K0=0.831  
Cmpd 71148, +MS2(735.0003), 31.9eV, 71.701-71.704min, 1/K0=0.835  
Cmpd 80798, +MS2(734.9998), 31.9eV, 75.201-75.203min, 1/K0=0.826  
Cmpd 70865, +MS2(734.9998), 31.9eV, 71.6min, 1/K0=0.829 #36144  
Cmpd 58876, +MS2(734.9990), 31.9eV, 67.2min, 1/K0=0.828 #33826  
Cmpd 53072, +MS2(1101.9947), 42.0eV, 65.0min, 1/K0=1.126 #32660  
Cmpd 87848, +MS2(734.9981), 31.9eV, 77.887-77.889min, 1/K0=0.829  
Cmpd 83367, +MS2(735.0002), 31.9eV, 76.150-76.154min, 1/K0=0.831  
Cmpd 78419, +MS2(735.0002), 31.9eV, 74.361-74.365min, 1/K0=0.825  
Cmpd 92934, +MS2(735.0003), 31.9eV, 79.880-79.888min, 1/K0=0.828  
Cmpd 74599, +MS2(734.9990), 31.9eV, 72.988-72.990min, 1/K0=0.820  
Cmpd 64785, +MS2(734.9990), 31.9eV, 69.475-69.477min, 1/K0=0.820  
Cmpd 69229, +MS2(735.0014), 31.9eV, 71.025-71.031min, 1/K0=0.822  
Cmpd 67115, +MS2(735.0015), 31.9eV, 70.293-70.297min, 1/K0=0.822  
Cmpd 86714, +MS2(735.0001), 31.9eV, 77.437-77.439min, 1/K0=0.828  
Cmpd 58525, +MS2(734.9999), 31.9eV, 67.082-67.084min, 1/K0=0.826  
Cmpd 51756, +MS2(735.0005), 31.9eV, 64.49-64.50min, 1/K0=0.828 #3  
Cmpd 71230, +MS2(1101.9982), 42.0eV, 71.731-71.733min, 1/K0=1.12  
Cmpd 62676, +MS2(735.0008), 31.9eV, 68.6min, 1/K0=0.822 #34585  
Cmpd 53089, +MS2(735.0008), 31.9eV, 65.0min, 1/K0=0.827 #32661  
Cmpd 51892, +MS2(1101.9995), 42.0eV, 64.6min, 1/K0=1.121 #32429

Cmpd 54119, +MS2(1102.0005), 42.0eV, 65.4min, 1/K0=1.127 #32880  
Cmpd 58474, +MS2(1101.9984), 42.0eV, 67.070-67.074min, 1/K0=1.14  
Cmpd 75714, +MS2(735.0021), 31.9eV, 73.4min, 1/K0=0.822 #37095  
Cmpd 67142, +MS2(1101.9999), 42.0eV, 70.3min, 1/K0=1.124 #35465  
Cmpd 61554, +MS2(735.0006), 31.9eV, 68.2min, 1/K0=0.824 #34365  
Cmpd 55237, +MS2(735.0017), 31.9eV, 65.8min, 1/K0=0.830 #33100  
Cmpd 60441, +MS2(735.0019), 31.9eV, 67.8min, 1/K0=0.826 #34145  
Cmpd 84536, +MS2(735.0002), 31.9eV, 76.582-76.584min, 1/K0=0.828  
Cmpd 68343, +MS2(1101.9995), 42.0eV, 70.7min, 1/K0=1.126 #35685  
Cmpd 56224, +MS2(735.0033), 31.9eV, 66.2min, 1/K0=0.830 #33321  
Cmpd 58566, +MS2(1102.0005), 42.0eV, 67.1min, 1/K0=1.130 #33771  
Cmpd 51844, +MS2(735.0032), 31.9eV, 64.5min, 1/K0=0.829 #32418  
Cmpd 63632, +MS2(735.0015), 31.9eV, 69.1min, 1/K0=0.824 #34805  
Cmpd 51961, +MS2(1101.9996), 42.0eV, 64.6min, 1/K0=1.125 #32440  
Cmpd 51965, +MS2(735.0043), 31.9eV, 64.6min, 1/K0=0.829 #32440  
Cmpd 53588, +MS2(1102.0032), 42.0eV, 65.2min, 1/K0=1.100 #32770  
Cmpd 54124, +MS2(735.0044), 31.9eV, 65.4min, 1/K0=0.831 #32880  
Cmpd 58063, +MS2(1102.0050), 42.0eV, 66.91-66.93min, 1/K0=1.096 #32550  
Cmpd 52609, +MS2(1102.0027), 42.0eV, 64.8min, 1/K0=1.099 #32550  
Cmpd 52517, +MS2(1102.0032), 42.0eV, 64.740-64.743min, 1/K0=1.18  
Cmpd 117695, +MS2(740.3596), 37.0eV, 87.5min, 1/K0=0.909 #44491  
Cmpd 117632, +MS2(1110.0381), 42.0eV, 87.5min, 1/K0=1.213 #44485  
Cmpd 18586, +MS2(752.0281), 37.0eV, 49.380-49.386min, 1/K0=0.912  
Cmpd 19850, +MS2(752.0317), 37.0eV, 50.023-50.025min, 1/K0=0.901  
Cmpd 114294, +MS2(1135.0316), 42.0eV, 86.7min, 1/K0=1.204 #44045  
Cmpd 114474, +MS2(1135.0345), 42.0eV, 86.7min, 1/K0=1.203 #44067  
Cmpd 71796, +MS2(758.3458), 37.0eV, 71.954-71.956min, 1/K0=0.861  
Cmpd 71985, +MS2(758.3470), 31.9eV, 72.023-72.025min, 1/K0=0.793  
Cmpd 99645, +MS2(758.3527), 37.0eV, 82.298-82.300min, 1/K0=0.916  
Cmpd 104599, +MS2(758.3498), 37.0eV, 84.1min, 1/K0=0.911 #42721  
Cmpd 70674, +MS2(758.3461), 37.0eV, 71.5min, 1/K0=0.906 #36104  
Cmpd 97354, +MS2(758.3465), 37.0eV, 81.507-81.509min, 1/K0=0.906  
Cmpd 75245, +MS2(1137.0168), 47.0eV, 73.233-73.239min, 1/K0=1.25  
Cmpd 79637, +MS2(758.3470), 37.0eV, 74.786-74.790min, 1/K0=0.912  
Cmpd 99873, +MS2(758.3488), 37.0eV, 82.380-82.384min, 1/K0=0.916  
Cmpd 71972, +MS2(758.3470), 31.9eV, 72.021-72.029min, 1/K0=0.818  
Cmpd 69559, +MS2(758.3489), 31.9eV, 71.1min, 1/K0=0.839 #35901  
Cmpd 69332, +MS2(758.3490), 37.0eV, 71.1min, 1/K0=0.915 #35862  
Cmpd 89507, +MS2(758.3464), 37.0eV, 78.563-78.565min, 1/K0=0.901  
Cmpd 74123, +MS2(1137.0206), 47.0eV, 72.815-72.817min, 1/K0=1.25  
Cmpd 97437, +MS2(758.3506), 37.0eV, 81.541-81.543min, 1/K0=0.906  
Cmpd 84170, +MS2(758.3487), 37.0eV, 76.5min, 1/K0=0.911 #38702  
Cmpd 70890, +MS2(758.3492), 37.0eV, 71.6min, 1/K0=0.907 #36148  
Cmpd 92780, +MS2(758.3507), 37.0eV, 79.8min, 1/K0=0.915 #40474  
Cmpd 80792, +MS2(758.3486), 37.0eV, 75.2min, 1/K0=0.915 #38040  
Cmpd 93807, +MS2(758.3503), 37.0eV, 80.2min, 1/K0=0.909 #40692  
Cmpd 70770, +MS2(1137.0217), 42.0eV, 71.6min, 1/K0=1.239 #36126  
Cmpd 100915, +MS2(758.3490), 37.0eV, 82.794-82.796min, 1/K0=0.91

Cmpd 74341, +MS2(1137.0210), 42.0eV, 72.899-72.901min, 1/K0=1.23  
Cmpd 69379, +MS2(1137.0213), 42.0eV, 71.1min, 1/K0=1.247 #35872  
Cmpd 72975, +MS2(1137.0243), 42.0eV, 72.4min, 1/K0=1.245 #36565  
Cmpd 85271, +MS2(758.3507), 37.0eV, 76.9min, 1/K0=0.908 #38920  
Cmpd 78251, +MS2(1137.0226), 42.0eV, 74.300-74.304min, 1/K0=1.22  
Cmpd 69278, +MS2(1137.0197), 42.0eV, 71.042-71.044min, 1/K0=1.24  
Cmpd 81220, +MS2(1137.0216), 42.0eV, 75.355-75.362min, 1/K0=1.21  
Cmpd 71859, +MS2(1137.0204), 42.0eV, 72.0min, 1/K0=1.248 #36345  
Cmpd 69452, +MS2(758.3495), 37.0eV, 71.1min, 1/K0=0.914 #35883  
Cmpd 69578, +MS2(1137.0190), 42.0eV, 71.1min, 1/K0=1.244 #35905  
Cmpd 76814, +MS2(1137.0212), 42.0eV, 73.767-73.769min, 1/K0=1.24  
Cmpd 76021, +MS2(758.3495), 37.0eV, 73.5min, 1/K0=0.917 #37159  
Cmpd 95983, +MS2(758.3521), 37.0eV, 81.064-81.066min, 1/K0=0.911  
Cmpd 91682, +MS2(758.3502), 37.0eV, 79.4min, 1/K0=0.914 #40251  
Cmpd 102442, +MS2(758.3485), 37.0eV, 83.350-83.358min, 1/K0=0.91  
Cmpd 71970, +MS2(758.3498), 37.0eV, 72.0min, 1/K0=0.910 #36367  
Cmpd 71707, +MS2(1137.0229), 42.0eV, 71.9min, 1/K0=1.191 #36313  
Cmpd 83035, +MS2(758.3495), 37.0eV, 76.0min, 1/K0=0.910 #38481  
Cmpd 81010, +MS2(1137.0199), 42.0eV, 75.28-75.29min, 1/K0=1.236 #36411  
Cmpd 72176, +MS2(1137.0200), 42.0eV, 72.1min, 1/K0=1.226 #36411  
Cmpd 74044, +MS2(758.3502), 37.0eV, 72.785-72.787min, 1/K0=0.890  
Cmpd 78426, +MS2(758.3487), 37.0eV, 74.4min, 1/K0=0.915 #37600  
Cmpd 71099, +MS2(1137.0201), 42.0eV, 71.7min, 1/K0=1.223 #36191  
Cmpd 52181, +MS2(1137.0192), 42.0eV, 64.622-64.626min, 1/K0=1.24  
Cmpd 77321, +MS2(758.3498), 37.0eV, 73.9min, 1/K0=0.909 #37379  
Cmpd 72542, +MS2(758.3506), 37.0eV, 72.257-72.259min, 1/K0=0.888  
Cmpd 81969, +MS2(758.3498), 37.0eV, 75.6min, 1/K0=0.913 #38262  
Cmpd 73334, +MS2(1137.0197), 42.0eV, 72.527-72.529min, 1/K0=1.21  
Cmpd 73322, +MS2(758.3506), 37.0eV, 72.5min, 1/K0=0.907 #36631  
Cmpd 74917, +MS2(758.3509), 37.0eV, 73.1min, 1/K0=0.912 #36939  
Cmpd 73773, +MS2(758.3500), 37.0eV, 72.7min, 1/K0=0.908 #36719  
Cmpd 73151, +MS2(758.3510), 37.0eV, 72.46-72.48min, 1/K0=0.907 #36719  
Cmpd 58402, +MS2(1137.0212), 42.0eV, 67.1min, 1/K0=1.226 #33749  
Cmpd 94803, +MS2(758.3513), 37.0eV, 80.646-80.650min, 1/K0=0.905  
Cmpd 87463, +MS2(758.3511), 37.0eV, 77.737-77.739min, 1/K0=0.908  
Cmpd 88458, +MS2(758.3509), 37.0eV, 78.1min, 1/K0=0.912 #39590  
Cmpd 90615, +MS2(758.3515), 37.0eV, 78.978-78.980min, 1/K0=0.912  
Cmpd 57232, +MS2(1137.0202), 42.0eV, 66.6min, 1/K0=1.228 #33529  
Cmpd 77111, +MS2(1137.0190), 42.0eV, 73.871-73.877min, 1/K0=1.22  
Cmpd 86307, +MS2(758.3498), 37.0eV, 77.3min, 1/K0=0.914 #39139  
Cmpd 74646, +MS2(1137.0227), 42.0eV, 73.005-73.014min, 1/K0=1.20  
Cmpd 55262, +MS2(768.0258), 37.0eV, 65.8min, 1/K0=0.856 #33104  
Cmpd 58972, +MS2(768.0234), 31.9eV, 67.235-67.237min, 1/K0=0.851  
Cmpd 53097, +MS2(768.0248), 31.9eV, 65.0min, 1/K0=0.854 #32662  
Cmpd 60044, +MS2(768.0249), 31.9eV, 67.654-67.656min, 1/K0=0.851  
Cmpd 63027, +MS2(768.0250), 31.9eV, 68.799-68.803min, 1/K0=0.850  
Cmpd 53212, +MS2(1151.5346), 42.0eV, 65.0min, 1/K0=1.155 #32683  
Cmpd 56235, +MS2(768.0252), 31.9eV, 66.2min, 1/K0=0.855 #33323

Cmpd 51850, +MS2(768.0254), 31.9eV, 64.533-64.534min, 1/K0=0.851  
Cmpd 51993, +MS2(768.0266), 31.9eV, 64.6min, 1/K0=0.855 #32443  
Cmpd 51970, +MS2(1151.5332), 42.0eV, 64.6min, 1/K0=1.153 #32441  
Cmpd 54143, +MS2(768.0265), 37.0eV, 65.4min, 1/K0=0.857 #32882  
Cmpd 52143, +MS2(1151.5364), 42.0eV, 64.6min, 1/K0=1.162 #32463  
Cmpd 61172, +MS2(768.0245), 37.0eV, 68.062-68.066min, 1/K0=0.858  
Cmpd 117684, +MS2(778.7041), 37.0eV, 87.5min, 1/K0=0.898 #44489  
Cmpd 118006, +MS2(778.7036), 37.0eV, 87.6min, 1/K0=0.915 #44530  
Cmpd 92022, +MS2(778.7050), 37.0eV, 79.533-79.535min, 1/K0=0.896  
Cmpd 114307, +MS2(1191.5759), 42.0eV, 86.7min, 1/K0=1.241 #44046  
Cmpd 114487, +MS2(1191.5743), 42.0eV, 86.7min, 1/K0=1.240 #44068  
Cmpd 111617, +MS2(1193.0887), 42.0eV, 85.978-85.980min, 1/K0=1.1  
Cmpd 57441, +MS2(801.0437), 31.9eV, 66.680-66.682min, 1/K0=0.800  
Cmpd 58011, +MS2(801.0437), 31.9eV, 66.9min, 1/K0=0.842 #33661  
Cmpd 57959, +MS2(801.0435), 31.9eV, 66.9min, 1/K0=0.815 #33650  
Cmpd 70796, +MS2(801.0456), 37.0eV, 71.572-71.574min, 1/K0=0.880  
Cmpd 70851, +MS2(801.0466), 37.0eV, 71.6min, 1/K0=0.880 #36140  
Cmpd 64784, +MS2(801.0437), 37.0eV, 69.5min, 1/K0=0.875 #35027  
Cmpd 57518, +MS2(801.0410), 31.9eV, 66.703-66.705min, 1/K0=0.840  
Cmpd 57053, +MS2(801.0504), 37.0eV, 66.6min, 1/K0=0.932 #33506  
Cmpd 79369, +MS2(801.0465), 37.0eV, 74.7min, 1/K0=0.877 #37784  
Cmpd 93542, +MS2(801.0463), 37.0eV, 80.1min, 1/K0=0.876 #40637  
Cmpd 89256, +MS2(801.0435), 37.0eV, 78.5min, 1/K0=0.876 #39755  
Cmpd 58341, +MS2(801.0440), 37.0eV, 67.0min, 1/K0=0.929 #33738  
Cmpd 53207, +MS2(801.0446), 37.0eV, 65.0min, 1/K0=0.885 #32682  
Cmpd 58517, +MS2(801.0451), 37.0eV, 67.1min, 1/K0=0.880 #33762  
Cmpd 99358, +MS2(801.0476), 37.0eV, 82.178-82.180min, 1/K0=0.875  
Cmpd 54248, +MS2(801.0474), 37.0eV, 65.4min, 1/K0=0.883 #32902  
Cmpd 54506, +MS2(801.0470), 31.9eV, 65.5min, 1/K0=0.799 #32949  
Cmpd 92476, +MS2(801.0464), 37.0eV, 79.7min, 1/K0=0.878 #40415  
Cmpd 90325, +MS2(801.0487), 37.0eV, 78.871-78.874min, 1/K0=0.880  
Cmpd 85049, +MS2(801.0468), 37.0eV, 76.8min, 1/K0=0.878 #38876  
Cmpd 94542, +MS2(801.0487), 37.0eV, 80.5min, 1/K0=0.878 #40855  
Cmpd 59165, +MS2(801.0440), 31.9eV, 67.3min, 1/K0=0.844 #33882  
Cmpd 52126, +MS2(1201.0648), 42.0eV, 64.6min, 1/K0=1.185 #32462  
Cmpd 101919, +MS2(801.0463), 37.0eV, 83.2min, 1/K0=0.880 #42229  
Cmpd 59220, +MS2(801.0465), 31.9eV, 67.330-67.332min, 1/K0=0.821  
Cmpd 83943, +MS2(801.0463), 37.0eV, 76.4min, 1/K0=0.879 #38657  
Cmpd 52369, +MS2(1201.0647), 42.0eV, 64.677-64.679min, 1/K0=1.24  
Cmpd 66614, +MS2(801.0462), 37.0eV, 70.136-70.138min, 1/K0=0.938  
Cmpd 77100, +MS2(801.0490), 37.0eV, 73.9min, 1/K0=0.877 #37337  
Cmpd 71930, +MS2(801.0477), 37.0eV, 72.0min, 1/K0=0.879 #36358  
Cmpd 100419, +MS2(801.0480), 37.0eV, 82.602-82.606min, 1/K0=0.87  
Cmpd 57793, +MS2(1201.0685), 42.0eV, 66.8min, 1/K0=1.190 #33617  
Cmpd 53202, +MS2(1201.0694), 42.0eV, 65.0min, 1/K0=1.175 #32682  
Cmpd 69465, +MS2(801.0465), 37.0eV, 71.103-71.107min, 1/K0=0.877  
Cmpd 53019, +MS2(801.0477), 37.0eV, 65.0min, 1/K0=0.878 #32649  
Cmpd 102206, +MS2(801.0460), 37.0eV, 83.3min, 1/K0=0.878 #42288



Cmpd 54664, +MS2(801.0476), 31.9eV, 65.6min, 1/K0=0.817 #32980  
Cmpd 97130, +MS2(801.0436), 37.0eV, 81.438-81.440min, 1/K0=0.879  
Cmpd 87171, +MS2(801.0481), 37.0eV, 77.6min, 1/K0=0.878 #39315  
Cmpd 64919, +MS2(801.0459), 37.0eV, 69.534-69.542min, 1/K0=0.924  
Cmpd 55762, +MS2(801.0494), 31.9eV, 66.0min, 1/K0=0.812 #33211  
Cmpd 75651, +MS2(801.0473), 37.0eV, 73.4min, 1/K0=0.879 #37083  
Cmpd 78187, +MS2(801.0482), 37.0eV, 74.3min, 1/K0=0.875 #37555  
Cmpd 73398, +MS2(801.0453), 37.0eV, 72.550-72.552min, 1/K0=0.882  
Cmpd 51960, +MS2(1201.0686), 42.0eV, 64.6min, 1/K0=1.176 #32440  
Cmpd 52078, +MS2(801.0476), 37.0eV, 64.6min, 1/K0=0.926 #32454  
Cmpd 86126, +MS2(801.0458), 37.0eV, 77.2min, 1/K0=0.876 #39096  
Cmpd 74543, +MS2(801.0490), 37.0eV, 73.0min, 1/K0=0.877 #36865  
Cmpd 60606, +MS2(801.0481), 37.0eV, 67.9min, 1/K0=0.932 #34178  
Cmpd 81722, +MS2(801.0471), 37.0eV, 75.5min, 1/K0=0.877 #38217  
Cmpd 69351, +MS2(801.0477), 37.0eV, 71.067-71.070min, 1/K0=0.939  
Cmpd 104020, +MS2(801.0486), 37.0eV, 83.878-83.882min, 1/K0=0.87  
Cmpd 80557, +MS2(801.0466), 37.0eV, 75.1min, 1/K0=0.877 #37996  
Cmpd 59353, +MS2(801.0484), 37.0eV, 67.4min, 1/K0=0.880 #33925  
Cmpd 61562, +MS2(801.0488), 37.0eV, 68.2min, 1/K0=0.879 #34366  
Cmpd 51141, +MS2(801.0489), 37.0eV, 64.222-64.230min, 1/K0=0.879  
Cmpd 82804, +MS2(801.0487), 37.0eV, 75.9min, 1/K0=0.878 #38435  
Cmpd 57139, +MS2(801.0480), 37.0eV, 66.6min, 1/K0=0.933 #33518  
Cmpd 53218, +MS2(801.0478), 31.9eV, 65.0min, 1/K0=0.813 #32683  
Cmpd 60440, +MS2(801.0489), 37.0eV, 67.8min, 1/K0=0.880 #34145  
Cmpd 61742, +MS2(801.0488), 37.0eV, 68.3min, 1/K0=0.935 #34399  
Cmpd 57066, +MS2(801.0488), 37.0eV, 66.6min, 1/K0=0.931 #33507  
Cmpd 59503, +MS2(801.0517), 37.0eV, 67.5min, 1/K0=0.934 #33958  
Cmpd 55356, +MS2(801.0480), 37.0eV, 65.9min, 1/K0=0.880 #33122  
Cmpd 62675, +MS2(801.0510), 37.0eV, 68.6min, 1/K0=0.875 #34585  
Cmpd 51800, +MS2(801.0496), 37.0eV, 64.5min, 1/K0=0.882 #32408  
Cmpd 63631, +MS2(801.0486), 37.0eV, 69.1min, 1/K0=0.879 #34805  
Cmpd 91431, +MS2(801.0496), 37.0eV, 79.3min, 1/K0=0.880 #40197  
Cmpd 88218, +MS2(801.0487), 37.0eV, 78.0min, 1/K0=0.879 #39537  
Cmpd 45132, +MS2(801.0518), 37.0eV, 61.779-61.781min, 1/K0=0.862  
Cmpd 62815, +MS2(801.0497), 37.0eV, 68.7min, 1/K0=0.928 #34619  
Cmpd 56310, +MS2(801.0503), 37.0eV, 66.3min, 1/K0=0.880 #33342  
Cmpd 105338, +MS2(801.0476), 37.0eV, 84.348-84.351min, 1/K0=0.88  
Cmpd 63784, +MS2(801.0502), 37.0eV, 69.1min, 1/K0=0.928 #34839  
Cmpd 51896, +MS2(801.0513), 37.0eV, 64.6min, 1/K0=0.882 #32429  
Cmpd 95737, +MS2(801.0489), 37.0eV, 80.976-80.978min, 1/K0=0.880  
Cmpd 67752, +MS2(801.0478), 37.0eV, 70.537-70.542min, 1/K0=0.937  
Cmpd 45031, +MS2(801.0525), 37.0eV, 61.738-61.739min, 1/K0=0.865  
Cmpd 119773, +MS2(801.0535), 31.9eV, 88.1min, 1/K0=0.837 #44785  
Cmpd 122407, +MS2(801.0537), 31.9eV, 88.7min, 1/K0=0.838 #45123  
Cmpd 120795, +MS2(801.0542), 31.9eV, 88.3min, 1/K0=0.836 #44914  
Cmpd 119333, +MS2(1201.0825), 42.0eV, 88.0min, 1/K0=1.192 #44727  
Cmpd 118163, +MS2(1201.0842), 42.0eV, 87.6min, 1/K0=1.183 #44551  
Cmpd 132310, +MS2(1203.5460), 42.0eV, 93.31-93.32min, 1/K0=1.171

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Cmpd 116682, +MS2(1203.5516), 42.0eV, 87.3min, 1/K0=1.168 #44355  
Cmpd 115310, +MS2(816.7142), 37.0eV, 86.903-86.905min, 1/K0=0.89  
Cmpd 117482, +MS2(816.7188), 37.0eV, 87.5min, 1/K0=0.899 #44464  
Cmpd 117551, +MS2(816.7155), 37.0eV, 87.5min, 1/K0=0.899 #44474  
Cmpd 117726, +MS2(1224.5725), 42.0eV, 87.5min, 1/K0=1.212 #44496  
Cmpd 117565, +MS2(854.4123), 37.0eV, 87.5min, 1/K0=0.926 #44475  
Cmpd 117535, +MS2(854.4126), 37.0eV, 87.491-87.493min, 1/K0=0.92  
Cmpd 122655, +MS2(854.7347), 37.0eV, 88.812-88.815min, 1/K0=0.86  
Cmpd 115978, +MS2(854.7311), 37.0eV, 87.082-87.084min, 1/K0=0.8  
Cmpd 115897, +MS2(854.7315), 37.0eV, 87.1min, 1/K0=0.879 #44253  
Cmpd 112591, +MS2(1281.6006), 42.0eV, 86.2min, 1/K0=1.192 #43825  
Cmpd 133668, +MS2(854.7286), 31.9eV, 95.496-95.500min, 1/K0=0.85  
Cmpd 133621, +MS2(856.0883), 37.0eV, 95.469-95.479min, 1/K0=0.90  
Cmpd 114222, +MS2(1283.6333), 47.0eV, 86.6min, 1/K0=1.300 #44035  
Cmpd 114430, +MS2(856.0928), 37.0eV, 86.7min, 1/K0=0.911 #44060  
Cmpd 114292, +MS2(1283.6342), 47.0eV, 86.7min, 1/K0=1.301 #44045  
Cmpd 114458, +MS2(856.0918), 37.0eV, 86.695-86.697min, 1/K0=0.93  
Cmpd 116009, +MS2(856.0909), 37.0eV, 87.1min, 1/K0=0.901 #44267  
Cmpd 116070, +MS2(1283.6335), 47.0eV, 87.1min, 1/K0=1.315 #44276  
Cmpd 116087, +MS2(856.0921), 37.0eV, 87.1min, 1/K0=0.923 #44277  
Cmpd 114472, +MS2(1283.6362), 47.0eV, 86.7min, 1/K0=1.302 #44067  
Cmpd 72075, +MS2(1287.6750), 51.2eV, 72.063-72.065min, 1/K0=1.52  
Cmpd 107753, +MS2(867.7935), 37.0eV, 85.0min, 1/K0=1.051 #43202  
Cmpd 117744, +MS2(916.4400), 37.0eV, 87.5min, 1/K0=0.916 #44497  
Cmpd 117574, +MS2(916.4398), 37.0eV, 87.5min, 1/K0=0.968 #44476  
Cmpd 117496, +MS2(968.4709), 37.0eV, 87.5min, 1/K0=0.948 #44466  
Cmpd 118189, +MS2(968.4680), 37.0eV, 87.6min, 1/K0=0.979 #44553  
Cmpd 117550, +MS2(968.4716), 37.0eV, 87.5min, 1/K0=0.949 #44474  
Cmpd 121180, +MS2(992.8077), 37.0eV, 88.4min, 1/K0=0.952 #44959  
Cmpd 121246, +MS2(992.8094), 37.0eV, 88.4min, 1/K0=0.954 #44969  
Cmpd 121333, +MS2(1101.8377), 37.0eV, 88.5min, 1/K0=0.968 #44980  
Cmpd 121268, +MS2(1101.8372), 37.0eV, 88.5min, 1/K0=0.968 #44971  
Cmpd 19972, +MS2(444.7438), 31.9eV, 50.1min, 1/K0=0.735 #24773  
Cmpd 60855, +MS2(436.2426), 31.9eV, 67.95-67.97min, 1/K0=0.704 #4  
Cmpd 59427, +MS2(436.2446), 31.9eV, 67.417-67.422min, 1/K0=0.701  
Cmpd 9442, +MS2(465.2480), 31.9eV, 43.6min, 1/K0=0.721 #21308  
Cmpd 8788, +MS2(465.2481), 31.9eV, 43.1min, 1/K0=0.721 #21089  
Cmpd 14153, +MS2(538.2861), 31.9eV, 46.6min, 1/K0=0.787 #22947  
Cmpd 13578, +MS2(538.2860), 31.9eV, 46.3min, 1/K0=0.789 #22782  
Cmpd 14698, +MS2(538.2862), 31.9eV, 47.0min, 1/K0=0.803 #23135  
Cmpd 14693, +MS2(538.2863), 31.9eV, 47.0min, 1/K0=0.790 #23134  
Cmpd 17316, +MS2(538.2877), 31.9eV, 48.7min, 1/K0=0.785 #24015  
Cmpd 13443, +MS2(538.2880), 31.9eV, 46.25-46.26min, 1/K0=0.785 #2  
Cmpd 14055, +MS2(538.2880), 31.9eV, 46.6min, 1/K0=0.800 #22914  
Cmpd 18114, +MS2(538.2881), 31.9eV, 49.109-49.111min, 1/K0=0.794  
Cmpd 13948, +MS2(538.2882), 31.9eV, 46.5min, 1/K0=0.792 #22871  
Cmpd 13835, +MS2(538.2882), 31.9eV, 46.4min, 1/K0=0.806 #22838  
Cmpd 15957, +MS2(538.2884), 31.9eV, 47.8min, 1/K0=0.784 #23574

Cmpd 15332, +MS2(538.2884), 31.9eV, 47.4min, 1/K0=0.794 #23355  
Cmpd 16675, +MS2(538.2885), 31.9eV, 48.2min, 1/K0=0.785 #23795  
Cmpd 16008, +MS2(538.2886), 31.9eV, 47.845-47.847min, 1/K0=0.805  
Cmpd 17459, +MS2(538.2887), 31.9eV, 48.729-48.731min, 1/K0=0.799  
Cmpd 13504, +MS2(538.2890), 31.9eV, 46.3min, 1/K0=0.790 #22760  
Cmpd 15910, +MS2(538.2891), 31.9eV, 47.796-47.798min, 1/K0=0.807  
Cmpd 15785, +MS2(538.2893), 31.9eV, 47.723-47.725min, 1/K0=0.812  
Cmpd 75477, +MS2(540.2865), 31.9eV, 73.320-73.322min, 1/K0=0.794  
Cmpd 8770, +MS2(544.2819), 31.9eV, 43.1min, 1/K0=0.802 #21087  
Cmpd 9508, +MS2(544.2821), 31.9eV, 43.6min, 1/K0=0.795 #21331  
Cmpd 8743, +MS2(544.2817), 31.9eV, 43.1min, 1/K0=0.776 #21077  
Cmpd 11242, +MS2(544.2822), 31.9eV, 44.8min, 1/K0=0.782 #21980  
Cmpd 8802, +MS2(544.2826), 31.9eV, 43.157-43.159min, 1/K0=0.800 #21319  
Cmpd 9470, +MS2(544.2828), 31.9eV, 43.6min, 1/K0=0.781 #21319  
Cmpd 10363, +MS2(544.2829), 31.9eV, 44.200-44.202min, 1/K0=0.777  
Cmpd 8838, +MS2(544.2832), 31.9eV, 43.2min, 1/K0=0.767 #21101  
Cmpd 8819, +MS2(544.2832), 31.9eV, 43.2min, 1/K0=0.780 #21099  
Cmpd 119339, +MS2(548.7531), 31.9eV, 88.0min, 1/K0=0.785 #44727  
Cmpd 15506, +MS2(566.7998), 31.9eV, 47.538-47.544min, 1/K0=0.800  
Cmpd 48016, +MS2(583.8055), 37.0eV, 62.952-62.954min, 1/K0=0.860  
Cmpd 46808, +MS2(583.8058), 37.0eV, 62.5min, 1/K0=0.858 #31353  
Cmpd 75529, +MS2(596.8288), 31.9eV, 73.3min, 1/K0=0.841 #37061  
Cmpd 77406, +MS2(596.8250), 31.9eV, 73.976-73.979min, 1/K0=0.840  
Cmpd 46752, +MS2(633.3379), 37.0eV, 62.493-62.495min, 1/K0=0.899  
Cmpd 48169, +MS2(633.3387), 37.0eV, 63.018-63.022min, 1/K0=0.906  
Cmpd 47024, +MS2(633.3391), 37.0eV, 62.6min, 1/K0=0.899 #31396  
Cmpd 49717, +MS2(633.3424), 37.0eV, 63.66-63.67min, 1/K0=0.893 #31374  
Cmpd 116010, +MS2(650.8154), 31.9eV, 87.09-87.10min, 1/K0=0.852 #21319  
Cmpd 78669, +MS2(650.8175), 37.0eV, 74.5min, 1/K0=0.860 #37654  
Cmpd 115768, +MS2(654.3394), 37.0eV, 87.0min, 1/K0=0.898 #44234  
Cmpd 119420, +MS2(655.3102), 31.9eV, 88.0min, 1/K0=0.850 #44738  
Cmpd 25993, +MS2(666.8617), 37.0eV, 53.3min, 1/K0=0.906 #26467  
Cmpd 25893, +MS2(666.8631), 37.0eV, 53.225-53.227min, 1/K0=0.906  
Cmpd 81683, +MS2(668.8529), 37.0eV, 75.5min, 1/K0=0.876 #38213  
Cmpd 78522, +MS2(668.8574), 37.0eV, 74.4min, 1/K0=0.948 #37622  
Cmpd 86244, +MS2(668.8574), 37.0eV, 77.259-77.261min, 1/K0=0.873  
Cmpd 75817, +MS2(668.8576), 37.0eV, 73.4min, 1/K0=0.916 #37117  
Cmpd 76506, +MS2(668.8576), 37.0eV, 73.7min, 1/K0=0.872 #37237  
Cmpd 46909, +MS2(668.8577), 37.0eV, 62.6min, 1/K0=0.931 #31374  
Cmpd 75251, +MS2(668.8577), 37.0eV, 73.2min, 1/K0=0.876 #37005  
Cmpd 78372, +MS2(668.8579), 37.0eV, 74.3min, 1/K0=0.876 #37589  
Cmpd 83894, +MS2(668.8582), 37.0eV, 76.351-76.353min, 1/K0=0.878  
Cmpd 77262, +MS2(668.8584), 37.0eV, 73.9min, 1/K0=0.876 #37368  
Cmpd 46717, +MS2(668.8584), 37.0eV, 62.482-62.484min, 1/K0=0.930  
Cmpd 50398, +MS2(668.8598), 37.0eV, 63.940-63.943min, 1/K0=0.934  
Cmpd 75206, +MS2(668.8601), 37.0eV, 73.2min, 1/K0=0.945 #36994  
Cmpd 77140, +MS2(668.8604), 37.0eV, 73.9min, 1/K0=0.951 #37346  
Cmpd 82244, +MS2(668.8605), 37.0eV, 75.72-75.74min, 1/K0=0.947 #37346

Cmpd 77431, +MS2(668.8608), 37.0eV, 74.0min, 1/K0=0.949 #37401  
Cmpd 75107, +MS2(668.8608), 37.0eV, 73.2min, 1/K0=0.948 #36973  
Cmpd 48160, +MS2(725.4003), 37.0eV, 63.015-63.018min, 1/K0=0.987  
Cmpd 46789, +MS2(725.3979), 37.0eV, 62.510-62.514min, 1/K0=0.991  
Cmpd 123105, +MS2(727.3674), 37.0eV, 89.0min, 1/K0=0.889 #45233  
Cmpd 121851, +MS2(727.3685), 37.0eV, 88.6min, 1/K0=0.886 #45046  
Cmpd 123366, +MS2(727.3690), 37.0eV, 89.0min, 1/K0=0.889 #45277  
Cmpd 122117, +MS2(727.3700), 37.0eV, 88.7min, 1/K0=0.904 #45080  
Cmpd 90097, +MS2(739.3253), 37.0eV, 78.794-78.798min, 1/K0=0.929  
Cmpd 84188, +MS2(746.8660), 37.0eV, 76.463-76.465min, 1/K0=0.929  
Cmpd 79386, +MS2(746.8671), 37.0eV, 74.7min, 1/K0=0.933 #37786  
Cmpd 80606, +MS2(746.8676), 37.0eV, 75.1min, 1/K0=0.930 #38006  
Cmpd 81786, +MS2(746.8689), 37.0eV, 75.6min, 1/K0=0.929 #38228  
Cmpd 62381, +MS2(748.8918), 37.0eV, 68.5min, 1/K0=0.952 #34519  
Cmpd 63331, +MS2(748.8947), 37.0eV, 68.9min, 1/K0=0.948 #34739  
Cmpd 72759, +MS2(748.8949), 37.0eV, 72.3min, 1/K0=0.953 #36534  
Cmpd 64405, +MS2(748.8949), 37.0eV, 69.3min, 1/K0=0.942 #34959  
Cmpd 67956, +MS2(748.8951), 37.0eV, 70.6min, 1/K0=0.946 #35620  
Cmpd 66759, +MS2(748.8975), 37.0eV, 70.2min, 1/K0=0.952 #35399  
Cmpd 62460, +MS2(748.8982), 37.0eV, 68.5min, 1/K0=0.883 #34532  
Cmpd 62203, +MS2(748.8981), 37.0eV, 68.5min, 1/K0=0.949 #34486  
Cmpd 26000, +MS2(772.9399), 37.0eV, 53.3min, 1/K0=0.994 #26468  
Cmpd 122961, +MS2(783.9118), 37.0eV, 88.9min, 1/K0=0.933 #45211  
Cmpd 122974, +MS2(783.9122), 37.0eV, 88.9min, 1/K0=0.956 #45212  
Cmpd 122654, +MS2(783.9134), 37.0eV, 88.8min, 1/K0=0.956 #45156  
Cmpd 121889, +MS2(783.9141), 37.0eV, 88.6min, 1/K0=0.932 #45050  
Cmpd 61588, +MS2(797.4266), 37.0eV, 68.233-68.234min, 1/K0=1.047  
Cmpd 48955, +MS2(797.4268), 37.0eV, 63.3min, 1/K0=1.047 #31791  
Cmpd 54209, +MS2(797.4268), 37.0eV, 65.4min, 1/K0=1.047 #32894  
Cmpd 47943, +MS2(797.4271), 37.0eV, 62.9min, 1/K0=1.047 #31571  
Cmpd 60019, +MS2(797.4272), 37.0eV, 67.641-67.644min, 1/K0=1.046  
Cmpd 56323, +MS2(797.4274), 37.0eV, 66.288-66.290min, 1/K0=1.046  
Cmpd 46685, +MS2(797.4276), 37.0eV, 62.5min, 1/K0=1.042 #31329  
Cmpd 51018, +MS2(797.4280), 37.0eV, 64.2min, 1/K0=1.046 #32231  
Cmpd 46408, +MS2(797.4280), 37.0eV, 62.357-62.360min, 1/K0=1.038  
Cmpd 46788, +MS2(797.4282), 37.0eV, 62.5min, 1/K0=1.044 #31351  
Cmpd 55312, +MS2(797.4283), 37.0eV, 65.9min, 1/K0=1.051 #33114  
Cmpd 62866, +MS2(797.4297), 37.0eV, 68.72-68.74min, 1/K0=1.048 #31351  
Cmpd 58962, +MS2(797.4290), 37.0eV, 67.230-67.235min, 1/K0=1.052  
Cmpd 57683, +MS2(797.4291), 37.0eV, 66.8min, 1/K0=1.051 #33594  
Cmpd 49966, +MS2(797.4293), 37.0eV, 63.8min, 1/K0=1.052 #32011  
Cmpd 52077, +MS2(797.4294), 37.0eV, 64.6min, 1/K0=1.050 #32454  
Cmpd 53168, +MS2(797.4296), 37.0eV, 65.0min, 1/K0=1.047 #32674  
Cmpd 57728, +MS2(797.4301), 37.0eV, 66.779-66.783min, 1/K0=1.051  
Cmpd 72101, +MS2(797.4327), 37.0eV, 72.069-72.071min, 1/K0=1.044  
Cmpd 111471, +MS2(803.9124), 37.0eV, 85.9min, 1/K0=1.004 #43679  
Cmpd 111519, +MS2(803.9119), 37.0eV, 86.0min, 1/K0=1.001 #43684  
Cmpd 58310, +MS2(828.3950), 37.0eV, 67.021-67.025min, 1/K0=0.981

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Cmpd 79405, +MS2(828.4017), 37.0eV, 74.7min, 1/K0=0.968 #37788  
Cmpd 79323, +MS2(828.4021), 37.0eV, 74.7min, 1/K0=0.980 #37777  
Cmpd 80732, +MS2(828.4027), 37.0eV, 75.178-75.180min, 1/K0=0.966  
Cmpd 79867, +MS2(828.4027), 37.0eV, 74.9min, 1/K0=0.976 #37863  
Cmpd 79211, +MS2(828.3998), 37.0eV, 74.668-74.672min, 1/K0=0.982  
Cmpd 115997, +MS2(834.4324), 37.0eV, 87.1min, 1/K0=1.015 #44266  
Cmpd 122985, +MS2(840.4565), 37.0eV, 88.9min, 1/K0=0.999 #45213  
Cmpd 95730, +MS2(845.8922), 37.0eV, 80.973-80.975min, 1/K0=0.970  
Cmpd 84779, +MS2(847.9281), 37.0eV, 76.7min, 1/K0=1.047 #38820  
Cmpd 106282, +MS2(588.3035), 31.9eV, 84.632-84.634min, 1/K0=0.80  
Cmpd 105756, +MS2(588.3043), 31.9eV, 84.5min, 1/K0=0.796 #42924  
Cmpd 119439, +MS2(883.4326), 37.0eV, 88.0min, 1/K0=1.001 #44740  
Cmpd 80067, +MS2(884.9449), 37.0eV, 74.936-74.940min, 1/K0=1.008  
Cmpd 115258, +MS2(889.8910), 37.0eV, 86.892-86.894min, 1/K0=1.01  
Cmpd 122959, +MS2(889.9928), 37.0eV, 88.9min, 1/K0=1.040 #45211  
Cmpd 84829, +MS2(898.4515), 37.0eV, 76.7min, 1/K0=1.039 #38831  
Cmpd 115976, +MS2(902.9122), 37.0eV, 87.082-87.084min, 1/K0=0.98  
Cmpd 79557, +MS2(905.9493), 37.0eV, 74.759-74.761min, 1/K0=1.014  
Cmpd 79366, +MS2(905.9497), 37.0eV, 74.712-74.714min, 1/K0=1.033  
Cmpd 78927, +MS2(913.4522), 37.0eV, 74.6min, 1/K0=1.015 #37708  
Cmpd 94214, +MS2(913.4509), 37.0eV, 80.402-80.407min, 1/K0=1.050  
Cmpd 85317, +MS2(913.4498), 37.0eV, 76.9min, 1/K0=1.009 #38930  
Cmpd 80490, +MS2(913.4505), 37.0eV, 75.1min, 1/K0=1.042 #37984  
Cmpd 78936, +MS2(913.4513), 37.0eV, 74.6min, 1/K0=1.005 #37709  
Cmpd 84999, +MS2(913.4515), 37.0eV, 76.8min, 1/K0=1.035 #38865  
Cmpd 89530, +MS2(913.4512), 37.0eV, 78.578-78.580min, 1/K0=1.025  
Cmpd 80812, +MS2(913.4517), 37.0eV, 75.210-75.212min, 1/K0=0.871  
Cmpd 80276, +MS2(913.4521), 37.0eV, 75.010-75.012min, 1/K0=0.887  
Cmpd 79565, +MS2(913.4526), 42.0eV, 74.8min, 1/K0=1.099 #37810  
Cmpd 84161, +MS2(913.4528), 37.0eV, 76.5min, 1/K0=1.009 #38701  
Cmpd 92342, +MS2(913.4528), 37.0eV, 79.657-79.659min, 1/K0=1.036  
Cmpd 78951, +MS2(913.4538), 37.0eV, 74.6min, 1/K0=1.034 #37711  
Cmpd 86429, +MS2(913.4504), 37.0eV, 77.3min, 1/K0=1.034 #39161  
Cmpd 79231, +MS2(913.4530), 37.0eV, 74.7min, 1/K0=1.037 #37764  
Cmpd 88503, +MS2(913.4534), 37.0eV, 78.2min, 1/K0=1.033 #39601  
Cmpd 79068, +MS2(913.4525), 37.0eV, 74.6min, 1/K0=1.011 #37732  
Cmpd 87483, +MS2(913.4522), 37.0eV, 77.7min, 1/K0=1.030 #39381  
Cmpd 79059, +MS2(913.4539), 37.0eV, 74.6min, 1/K0=1.034 #37731  
Cmpd 83882, +MS2(913.4535), 37.0eV, 76.3min, 1/K0=1.031 #38645  
Cmpd 79294, +MS2(913.4541), 37.0eV, 74.7min, 1/K0=1.011 #37775  
Cmpd 80543, +MS2(913.4544), 37.0eV, 75.1min, 1/K0=1.009 #37995  
Cmpd 82744, +MS2(913.4544), 37.0eV, 75.9min, 1/K0=1.039 #38424  
Cmpd 82283, +MS2(913.4547), 37.0eV, 75.7min, 1/K0=1.023 #38325  
Cmpd 81648, +MS2(913.4548), 37.0eV, 75.5min, 1/K0=1.038 #38204  
Cmpd 90650, +MS2(913.4557), 37.0eV, 79.0min, 1/K0=1.031 #40041  
Cmpd 95343, +MS2(913.4550), 37.0eV, 80.84-80.85min, 1/K0=1.045 #4  
Cmpd 115988, +MS2(920.4571), 37.0eV, 87.1min, 1/K0=1.031 #44265  
Cmpd 116103, +MS2(920.4578), 37.0eV, 87.1min, 1/K0=1.046 #44279

Cmpd 84936, +MS2(962.9735), 42.0eV, 76.7min, 1/K0=1.062 #38853  
Cmpd 87957, +MS2(962.9733), 42.0eV, 77.9min, 1/K0=1.058 #39481  
Cmpd 57612, +MS2(962.9777), 37.0eV, 66.735-66.739min, 1/K0=1.052  
Cmpd 86889, +MS2(962.9742), 42.0eV, 77.5min, 1/K0=1.057 #39260  
Cmpd 85846, +MS2(962.9745), 42.0eV, 77.1min, 1/K0=1.062 #39040  
Cmpd 80247, +MS2(962.9750), 42.0eV, 75.003-75.006min, 1/K0=1.065  
Cmpd 78526, +MS2(962.9757), 37.0eV, 74.406-74.410min, 1/K0=1.053  
Cmpd 84555, +MS2(653.6565), 37.0eV, 76.593-76.595min, 1/K0=0.886  
Cmpd 84672, +MS2(653.6571), 37.0eV, 76.6min, 1/K0=0.884 #38798  
Cmpd 119878, +MS2(1003.0189), 42.0eV, 88.1min, 1/K0=1.104 #44800  
Cmpd 58338, +MS2(1027.0083), 42.0eV, 67.0min, 1/K0=1.117 #33738  
Cmpd 58350, +MS2(1027.0206), 42.0eV, 67.0min, 1/K0=1.107 #33739  
Cmpd 59062, +MS2(685.0142), 31.9eV, 67.3min, 1/K0=0.809 #33860  
Cmpd 62955, +MS2(685.0128), 31.9eV, 68.8min, 1/K0=0.812 #34651  
Cmpd 57136, +MS2(1027.0189), 42.0eV, 66.6min, 1/K0=1.115 #33518  
Cmpd 60465, +MS2(685.0151), 31.9eV, 67.813-67.820min, 1/K0=0.828  
Cmpd 56834, +MS2(685.0167), 31.9eV, 66.504-66.506min, 1/K0=0.805  
Cmpd 60135, +MS2(685.0152), 31.9eV, 67.686-67.688min, 1/K0=0.797  
Cmpd 59441, +MS2(685.0153), 31.9eV, 67.426-67.428min, 1/K0=0.847  
Cmpd 56964, +MS2(685.0153), 31.9eV, 66.6min, 1/K0=0.804 #33485  
Cmpd 59401, +MS2(685.0160), 31.9eV, 67.4min, 1/K0=0.813 #33936  
Cmpd 63957, +MS2(685.0158), 31.9eV, 69.2min, 1/K0=0.815 #34871  
Cmpd 57063, +MS2(1027.0204), 42.0eV, 66.6min, 1/K0=1.113 #33507  
Cmpd 60498, +MS2(685.0165), 31.9eV, 67.8min, 1/K0=0.805 #34156  
Cmpd 59500, +MS2(1027.0203), 42.0eV, 67.5min, 1/K0=1.115 #33958  
Cmpd 56959, +MS2(1027.0194), 42.0eV, 66.6min, 1/K0=1.108 #33485  
Cmpd 59640, +MS2(1027.0218), 37.0eV, 67.5min, 1/K0=1.041 #33983  
Cmpd 61730, +MS2(1027.0222), 42.0eV, 68.3min, 1/K0=1.116 #34398  
Cmpd 60603, +MS2(1027.0211), 42.0eV, 67.9min, 1/K0=1.114 #34178  
Cmpd 62803, +MS2(1027.0186), 42.0eV, 68.7min, 1/K0=1.116 #34618  
Cmpd 58496, +MS2(1027.0244), 37.0eV, 67.1min, 1/K0=1.047 #33760  
Cmpd 131475, +MS2(1044.9583), 42.0eV, 92.692-92.698min, 1/K0=1.0  
Cmpd 133567, +MS2(1044.9561), 42.0eV, 95.4min, 1/K0=1.077 #48639  
Cmpd 133853, +MS2(1044.9562), 42.0eV, 95.833-95.841min, 1/K0=1.0  
Cmpd 130634, +MS2(1044.9597), 42.0eV, 92.227-92.230min, 1/K0=1.0  
Cmpd 132102, +MS2(1044.9560), 42.0eV, 93.11-93.12min, 1/K0=1.073  
Cmpd 130693, +MS2(1044.9642), 42.0eV, 92.255-92.261min, 1/K0=1.0  
Cmpd 129737, +MS2(1044.9591), 42.0eV, 91.775-91.779min, 1/K0=1.0  
Cmpd 128654, +MS2(1044.9575), 42.0eV, 91.272-91.279min, 1/K0=1.0  
Cmpd 131446, +MS2(1044.9604), 42.0eV, 92.674-92.675min, 1/K0=1.0  
Cmpd 115171, +MS2(1044.9598), 42.0eV, 86.9min, 1/K0=1.114 #44159  
Cmpd 129619, +MS2(1044.9547), 42.0eV, 91.726-91.730min, 1/K0=1.0  
Cmpd 133581, +MS2(1044.9559), 42.0eV, 95.409-95.415min, 1/K0=1.0  
Cmpd 122958, +MS2(1045.5850), 42.0eV, 88.9min, 1/K0=1.124 #45211  
Cmpd 133667, +MS2(1052.9535), 42.0eV, 95.496-95.501min, 1/K0=1.0  
Cmpd 109555, +MS2(1052.9551), 42.0eV, 85.466-85.474min, 1/K0=1.0  
Cmpd 109765, +MS2(1052.9543), 42.0eV, 85.5min, 1/K0=1.122 #43462  
Cmpd 84565, +MS2(1065.0375), 42.0eV, 76.6min, 1/K0=1.160 #38776

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Cmpd 85711, +MS2(710.3641), 37.0eV, 77.0min, 1/K0=0.931 #39007  
Cmpd 84622, +MS2(710.3611), 37.0eV, 76.6min, 1/K0=0.933 #38787  
Cmpd 124668, +MS2(1072.0497), 42.0eV, 89.523-89.525min, 1/K0=1.1  
Cmpd 117360, +MS2(722.3513), 31.9eV, 87.443-87.447min, 1/K0=0.81  
Cmpd 123100, +MS2(1109.6145), 42.0eV, 89.0min, 1/K0=1.157 #45230  
Cmpd 123042, +MS2(1109.6139), 42.0eV, 88.9min, 1/K0=1.139 #45220  
Cmpd 123168, +MS2(1109.6154), 42.0eV, 89.0min, 1/K0=1.143 #45240  
Cmpd 122970, +MS2(1109.6157), 42.0eV, 88.9min, 1/K0=1.157 #45210  
Cmpd 125564, +MS2(1145.5846), 42.0eV, 89.9min, 1/K0=1.171 #45710  
Cmpd 125286, +MS2(1145.5867), 42.0eV, 89.8min, 1/K0=1.152 #45660  
Cmpd 126678, +MS2(1145.5823), 42.0eV, 90.343-90.349min, 1/K0=1.1  
Cmpd 125244, +MS2(1145.5858), 42.0eV, 89.8min, 1/K0=1.155 #45650  
Cmpd 97471, +MS2(1155.0438), 42.0eV, 81.551-81.555min, 1/K0=1.13  
Cmpd 99040, +MS2(1155.0463), 42.0eV, 82.062-82.066min, 1/K0=1.12  
Cmpd 97684, +MS2(1155.0452), 42.0eV, 81.6min, 1/K0=1.132 #41427  
Cmpd 122996, +MS2(1183.1462), 42.0eV, 88.926-88.930min, 1/K0=1.1  
Cmpd 123029, +MS2(1183.1474), 42.0eV, 88.9min, 1/K0=1.196 #45220  
Cmpd 98980, +MS2(798.4244), 37.0eV, 82.0min, 1/K0=0.874 #41639  
Cmpd 103662, +MS2(798.4222), 37.0eV, 83.758-83.760min, 1/K0=0.87  
Cmpd 122739, +MS2(798.4230), 37.0eV, 88.837-88.838min, 1/K0=0.99  
Cmpd 105620, +MS2(798.4241), 37.0eV, 84.4min, 1/K0=0.876 #42901  
Cmpd 98706, +MS2(1197.1350), 42.0eV, 81.9min, 1/K0=1.242 #41592  
Cmpd 103433, +MS2(798.4249), 37.0eV, 83.7min, 1/K0=0.992 #42508  
Cmpd 122789, +MS2(798.4251), 37.0eV, 88.86-88.87min, 1/K0=0.989  
Cmpd 103152, +MS2(798.4255), 37.0eV, 83.603-83.605min, 1/K0=0.85  
Cmpd 99833, +MS2(1197.1345), 42.0eV, 82.4min, 1/K0=1.243 #41812  
Cmpd 99299, +MS2(798.4253), 37.0eV, 82.2min, 1/K0=0.872 #41703  
Cmpd 100357, +MS2(798.4265), 37.0eV, 82.6min, 1/K0=0.856 #41925  
Cmpd 104386, +MS2(798.4263), 37.0eV, 84.0min, 1/K0=0.874 #42681  
Cmpd 102306, +MS2(798.4259), 37.0eV, 83.3min, 1/K0=0.875 #42308  
Cmpd 100340, +MS2(798.4265), 37.0eV, 82.6min, 1/K0=0.873 #41922  
Cmpd 101530, +MS2(798.4256), 37.0eV, 83.0min, 1/K0=0.876 #42153  
Cmpd 103183, +MS2(1197.1368), 42.0eV, 83.6min, 1/K0=1.239 #42470  
Cmpd 99657, +MS2(1197.1376), 42.0eV, 82.3min, 1/K0=1.181 #41779  
Cmpd 98185, +MS2(1197.1373), 42.0eV, 81.8min, 1/K0=1.240 #41504  
Cmpd 102019, +MS2(1197.1376), 42.0eV, 83.2min, 1/K0=1.241 #42250  
Cmpd 104213, +MS2(1197.1378), 42.0eV, 84.0min, 1/K0=1.209 #42640  
Cmpd 105675, +MS2(1197.1367), 42.0eV, 84.5min, 1/K0=1.245 #42910  
Cmpd 100875, +MS2(1197.1371), 42.0eV, 82.8min, 1/K0=1.243 #42030  
Cmpd 104438, +MS2(1197.1373), 42.0eV, 84.0min, 1/K0=1.244 #42690  
Cmpd 105060, +MS2(798.4275), 37.0eV, 84.3min, 1/K0=0.979 #42803  
Cmpd 99208, +MS2(798.4271), 37.0eV, 82.1min, 1/K0=0.976 #41684  
Cmpd 105618, +MS2(798.4290), 37.0eV, 84.4min, 1/K0=0.996 #42901  
Cmpd 105687, +MS2(1197.1390), 42.0eV, 84.5min, 1/K0=1.203 #42910  
Cmpd 105475, +MS2(1197.1403), 42.0eV, 84.4min, 1/K0=1.187 #42870  
Cmpd 98519, +MS2(1197.1403), 42.0eV, 81.9min, 1/K0=1.186 #41559  
Cmpd 99291, +MS2(798.4299), 37.0eV, 82.2min, 1/K0=0.993 #41702  
Cmpd 105488, +MS2(1197.1415), 42.0eV, 84.4min, 1/K0=1.200 #42880

	Cmpd 107113, +MS2(1197.1399), 42.0eV, 84.9min, 1/K0=1.245 #43121
	Cmpd 99347, +MS2(798.4285), 37.0eV, 82.2min, 1/K0=1.007 #41713
	Cmpd 98910, +MS2(798.4286), 37.0eV, 82.011-82.021min, 1/K0=1.006
	Cmpd 99122, +MS2(1197.1378), 42.0eV, 82.1min, 1/K0=1.203 #41669
	Cmpd 95498, +MS2(798.4299), 37.0eV, 80.9min, 1/K0=0.980 #41042
	Cmpd 107117, +MS2(798.4304), 37.0eV, 84.9min, 1/K0=0.996 #43121
	Cmpd 98845, +MS2(798.4298), 37.0eV, 82.0min, 1/K0=0.993 #41615
	Cmpd 100445, +MS2(798.4297), 37.0eV, 82.6min, 1/K0=1.004 #41944
	Cmpd 104428, +MS2(798.4307), 37.0eV, 84.035-84.037min, 1/K0=1.01
	Cmpd 102185, +MS2(798.4298), 37.0eV, 83.3min, 1/K0=0.993 #42285
	Cmpd 101474, +MS2(798.4291), 37.0eV, 83.0min, 1/K0=0.996 #42143
	Cmpd 101490, +MS2(798.4310), 37.0eV, 82.998-82.999min, 1/K0=0.98
	Cmpd 104384, +MS2(798.4303), 37.0eV, 84.0min, 1/K0=0.993 #42681
	Cmpd 100338, +MS2(798.4299), 37.0eV, 82.6min, 1/K0=0.993 #41922
	Cmpd 98562, +MS2(798.4316), 37.0eV, 81.895-81.897min, 1/K0=0.990
	Cmpd 115835, +MS2(1204.0652), 42.0eV, 87.0min, 1/K0=1.160 #44244
	Cmpd 115903, +MS2(1204.0664), 42.0eV, 87.1min, 1/K0=1.176 #44254
	Cmpd 126211, +MS2(1219.1202), 42.0eV, 90.141-90.143min, 1/K0=1.1
	Cmpd 123041, +MS2(1240.6621), 42.0eV, 88.942-88.952min, 1/K0=1.2
	Cmpd 123051, +MS2(1240.6599), 42.0eV, 88.944-88.947min, 1/K0=1.2
0.00002000000000000000.0	Cmpd 79723, +MS2(850.0530), 37.0eV, 74.817-74.819min, 1/K0=0.956
1.00000000000000000000.0	Cmpd 105543, +MS2(858.7374), 37.0eV, 84.412-84.414min, 1/K0=0.97
	Cmpd 116096, +MS2(864.0748), 37.0eV, 87.1min, 1/K0=0.874 #44278
	Cmpd 96108, +MS2(877.7480), 37.0eV, 81.1min, 1/K0=0.997 #41153
0.00000200000000000000.0	Cmpd 79430, +MS2(883.0782), 37.0eV, 74.729-74.731min, 1/K0=0.980
	Cmpd 114759, +MS2(884.1416), 42.0eV, 86.76-86.78min, 1/K0=1.061 #40712
	Cmpd 93893, +MS2(884.1420), 42.0eV, 80.3min, 1/K0=1.065 #40712
	Cmpd 79795, +MS2(884.1395), 42.0eV, 74.8min, 1/K0=1.062 #37852
	Cmpd 86488, +MS2(884.1412), 42.0eV, 77.3min, 1/K0=1.060 #39172
	Cmpd 116702, +MS2(884.1431), 42.0eV, 87.27-87.28min, 1/K0=1.065 #40052
	Cmpd 80944, +MS2(884.1420), 42.0eV, 75.3min, 1/K0=1.062 #38072
	Cmpd 89572, +MS2(884.1395), 37.0eV, 78.6min, 1/K0=1.053 #39832
	Cmpd 90714, +MS2(884.1417), 42.0eV, 79.0min, 1/K0=1.056 #40052
	Cmpd 92871, +MS2(884.1421), 42.0eV, 79.9min, 1/K0=1.060 #40493
	Cmpd 94895, +MS2(884.1394), 42.0eV, 80.7min, 1/K0=1.061 #40932
	Cmpd 123040, +MS2(1325.7139), 47.0eV, 88.9min, 1/K0=1.261 #45225
	Cmpd 84337, +MS2(884.1408), 42.0eV, 76.5min, 1/K0=1.059 #38732
	Cmpd 108351, +MS2(884.1429), 42.0eV, 85.161-85.165min, 1/K0=1.08
	Cmpd 99846, +MS2(884.1400), 42.0eV, 82.4min, 1/K0=1.060 #41813
	Cmpd 91777, +MS2(884.1418), 42.0eV, 79.4min, 1/K0=1.061 #40273
	Cmpd 78304, +MS2(884.1415), 42.0eV, 74.3min, 1/K0=1.057 #37577
	Cmpd 106134, +MS2(884.1423), 42.0eV, 84.6min, 1/K0=1.066 #42980
	Cmpd 85428, +MS2(884.1426), 42.0eV, 76.9min, 1/K0=1.060 #38952
	Cmpd 104820, +MS2(884.1424), 42.0eV, 84.2min, 1/K0=1.066 #42759
	Cmpd 83187, +MS2(884.1427), 42.0eV, 76.1min, 1/K0=1.063 #38512
	Cmpd 107639, +MS2(884.1422), 42.0eV, 85.0min, 1/K0=1.066 #43188
	Cmpd 108320, +MS2(884.1424), 42.0eV, 85.155-85.157min, 1/K0=1.08
	Cmpd 78566, +MS2(884.1431), 42.0eV, 74.4min, 1/K0=1.058 #37632



	Cmpd 103220, +MS2(884.1420), 42.0eV, 83.6min, 1/K0=1.065 #42475
	Cmpd 96098, +MS2(884.1416), 42.0eV, 81.1min, 1/K0=1.065 #41152
	Cmpd 82121, +MS2(884.1428), 42.0eV, 75.7min, 1/K0=1.058 #38292
	Cmpd 112577, +MS2(884.1413), 42.0eV, 86.225-86.227min, 1/K0=1.05
	Cmpd 88554, +MS2(884.1430), 42.0eV, 78.2min, 1/K0=1.058 #39613
	Cmpd 109989, +MS2(884.1429), 42.0eV, 85.6min, 1/K0=1.072 #43486
	Cmpd 78133, +MS2(884.1427), 42.0eV, 74.259-74.261min, 1/K0=1.056
	Cmpd 102031, +MS2(884.1430), 42.0eV, 83.2min, 1/K0=1.062 #42253
	Cmpd 100878, +MS2(884.1434), 42.0eV, 82.8min, 1/K0=1.063 #42032
	Cmpd 98731, +MS2(884.1443), 42.0eV, 81.9min, 1/K0=1.060 #41594
	Cmpd 97396, +MS2(884.1438), 42.0eV, 81.5min, 1/K0=1.063 #41372
	Cmpd 124404, +MS2(1383.2232), 47.0eV, 89.4min, 1/K0=1.310 #45475
	Cmpd 123196, +MS2(922.4853), 37.0eV, 89.0min, 1/K0=0.982 #45247
	Cmpd 125284, +MS2(1383.2220), 47.0eV, 89.8min, 1/K0=1.293 #45662
	Cmpd 124213, +MS2(922.4858), 37.0eV, 89.3min, 1/K0=0.931 #45433
	Cmpd 122968, +MS2(1383.2218), 47.0eV, 88.9min, 1/K0=1.279 #45212
	Cmpd 123046, +MS2(922.4855), 37.0eV, 88.9min, 1/K0=0.928 #45223
	Cmpd 122904, +MS2(1383.2216), 47.0eV, 88.899-88.901min, 1/K0=1.2
	Cmpd 123237, +MS2(922.4838), 37.0eV, 89.004-89.010min, 1/K0=0.91
	Cmpd 125562, +MS2(1383.2197), 47.0eV, 89.9min, 1/K0=1.317 #45717
	Cmpd 124196, +MS2(922.4850), 37.0eV, 89.3min, 1/K0=1.038 #45431
	Cmpd 124247, +MS2(1383.2237), 47.0eV, 89.4min, 1/K0=1.288 #45442
	Cmpd 124419, +MS2(922.4839), 37.0eV, 89.43-89.45min, 1/K0=0.960 #
	Cmpd 126791, +MS2(1383.2237), 47.0eV, 90.393-90.397min, 1/K0=1.3
	Cmpd 126394, +MS2(1383.2188), 47.0eV, 90.225-90.231min, 1/K0=1.2
	Cmpd 123098, +MS2(1383.2271), 47.0eV, 89.0min, 1/K0=1.283 #45233
	Cmpd 123008, +MS2(922.4849), 37.0eV, 88.932-88.934min, 1/K0=0.92
	Cmpd 123032, +MS2(922.4849), 37.0eV, 88.9min, 1/K0=1.006 #45222
	Cmpd 123044, +MS2(922.4901), 37.0eV, 88.9min, 1/K0=1.039 #45223
	Cmpd 122877, +MS2(934.1234), 37.0eV, 88.890-88.894min, 1/K0=0.91
0.00000002000000000000000.0	Cmpd 123242, +MS2(1400.6731), 47.0eV, 89.006-89.010min, 1/K0=1.2
	Cmpd 94994, +MS2(934.4240), 37.0eV, 80.723-80.725min, 1/K0=0.911
	Cmpd 93727, +MS2(954.8644), 37.0eV, 80.2min, 1/K0=1.033 #40679
	Cmpd 95918, +MS2(954.8636), 37.0eV, 81.0min, 1/K0=1.039 #41119
	Cmpd 94745, +MS2(954.8637), 37.0eV, 80.6min, 1/K0=1.041 #40899
	Cmpd 116095, +MS2(964.4683), 37.0eV, 87.1min, 1/K0=0.923 #44278
	Cmpd 97321, +MS2(981.1246), 37.0eV, 81.5min, 1/K0=1.023 #41357
	Cmpd 95734, +MS2(981.1271), 37.0eV, 81.0min, 1/K0=1.029 #41083
	Cmpd 96633, +MS2(981.1302), 37.0eV, 81.3min, 1/K0=1.007 #41240
	Cmpd 97271, +MS2(981.1248), 37.0eV, 81.5min, 1/K0=0.977 #41350
	Cmpd 95931, +MS2(981.1277), 37.0eV, 81.0min, 1/K0=1.023 #41120
	Cmpd 95982, +MS2(981.1268), 37.0eV, 81.1min, 1/K0=0.985 #41130
	Cmpd 95763, +MS2(981.1245), 37.0eV, 81.0min, 1/K0=1.022 #41088
	Cmpd 95768, +MS2(981.1269), 37.0eV, 81.0min, 1/K0=1.011 #41089
0.00000002000000000000000.0	Cmpd 79480, +MS2(986.4567), 37.0eV, 74.7min, 1/K0=0.961 #37799
0.00000002000000000000000.0	Cmpd 79275, +MS2(986.4587), 37.0eV, 74.689-74.693min, 1/K0=0.961
	Cmpd 123236, +MS2(1008.1983), 37.0eV, 89.0min, 1/K0=0.972 #45255
	Cmpd 121850, +MS2(1008.2007), 37.0eV, 88.6min, 1/K0=0.967 #45046

0.0000002000.0

Cmpd 133517, +MS2(1053.1526), 37.0eV, 95.4min, 1/K0=0.979 #48629  
Cmpd 133753, +MS2(1053.1461), 37.0eV, 95.614-95.622min, 1/K0=0.9  
Cmpd 130580, +MS2(1053.1540), 37.0eV, 92.19-92.21min, 1/K0=0.976  
Cmpd 132366, +MS2(1053.1487), 37.0eV, 93.369-93.372min, 1/K0=0.9  
Cmpd 133843, +MS2(1053.1523), 37.0eV, 95.820-95.828min, 1/K0=0.9  
Cmpd 131776, +MS2(1053.1426), 37.0eV, 92.890-92.896min, 1/K0=0.9  
Cmpd 115998, +MS2(1064.8495), 37.0eV, 87.1min, 1/K0=0.962 #44266  
Cmpd 116007, +MS2(1194.2358), 37.0eV, 87.1min, 1/K0=1.017 #44267  
Cmpd 115949, +MS2(1227.9157), 37.0eV, 87.1min, 1/K0=1.024 #44268  
Cmpd 115905, +MS2(1314.9576), 37.0eV, 87.1min, 1/K0=1.050 #44254  
Cmpd 115765, +MS2(1314.9558), 37.0eV, 87.0min, 1/K0=1.051 #44234  
Cmpd 69038, +MS2(470.2427), 31.9eV, 71.0min, 1/K0=0.733 #35806  
Cmpd 67790, +MS2(470.2426), 31.9eV, 70.550-70.552min, 1/K0=0.754  
Cmpd 73787, +MS2(470.2445), 31.9eV, 72.69-72.71min, 1/K0=0.735 #3  
Cmpd 50654, +MS2(492.2448), 31.9eV, 64.0min, 1/K0=0.756 #32154  
Cmpd 95070, +MS2(492.2581), 31.9eV, 80.75-80.77min, 1/K0=0.751 #4  
Cmpd 14700, +MS2(503.7852), 31.9eV, 47.0min, 1/K0=0.770 #23136  
Cmpd 13747, +MS2(503.7859), 31.9eV, 46.4min, 1/K0=0.787 #22816  
Cmpd 71351, +MS2(526.7848), 31.9eV, 71.783-71.787min, 1/K0=0.790  
Cmpd 67782, +MS2(526.7848), 31.9eV, 70.544-70.548min, 1/K0=0.767  
Cmpd 67762, +MS2(526.7859), 31.9eV, 70.5min, 1/K0=0.789 #35587  
Cmpd 68917, +MS2(526.7862), 31.9eV, 70.9min, 1/K0=0.787 #35785  
Cmpd 67617, +MS2(526.7862), 31.9eV, 70.482-70.491min, 1/K0=0.786  
Cmpd 69068, +MS2(526.7862), 31.9eV, 70.966-70.970min, 1/K0=0.778  
Cmpd 68733, +MS2(526.7864), 31.9eV, 70.85-70.87min, 1/K0=0.787 #3  
Cmpd 50708, +MS2(548.7890), 31.9eV, 64.1min, 1/K0=0.807 #32165  
Cmpd 50385, +MS2(548.7898), 31.9eV, 63.932-63.934min, 1/K0=0.804  
Cmpd 116399, +MS2(552.2631), 31.9eV, 87.2min, 1/K0=0.801 #44320  
Cmpd 116228, +MS2(552.2639), 31.9eV, 87.2min, 1/K0=0.800 #44298  
Cmpd 116676, +MS2(560.2596), 31.9eV, 87.261-87.263min, 1/K0=0.79  
Cmpd 112867, +MS2(564.2920), 31.9eV, 86.3min, 1/K0=0.804 #43858  
Cmpd 95021, +MS2(573.3216), 31.9eV, 80.7min, 1/K0=0.839 #40955  
Cmpd 93998, +MS2(573.3218), 31.9eV, 80.313-80.315min, 1/K0=0.842  
Cmpd 97653, +MS2(579.3202), 31.9eV, 81.615-81.617min, 1/K0=0.829  
Cmpd 96374, +MS2(579.3204), 31.9eV, 81.2min, 1/K0=0.831 #41197  
Cmpd 96342, +MS2(579.3205), 31.9eV, 81.182-81.184min, 1/K0=0.817  
Cmpd 96135, +MS2(579.3210), 31.9eV, 81.118-81.119min, 1/K0=0.833  
Cmpd 96082, +MS2(579.3230), 31.9eV, 81.100-81.102min, 1/K0=0.831  
Cmpd 69600, +MS2(587.8138), 31.9eV, 71.144-71.146min, 1/K0=0.847  
Cmpd 27673, +MS2(587.8351), 31.9eV, 54.2min, 1/K0=0.845 #26940  
Cmpd 118117, +MS2(588.3245), 31.9eV, 87.628-87.630min, 1/K0=0.83  
Cmpd 51021, +MS2(591.8067), 31.9eV, 64.2min, 1/K0=0.842 #32231  
Cmpd 51276, +MS2(591.8138), 31.9eV, 64.3min, 1/K0=0.838 #32286  
Cmpd 50830, +MS2(591.8142), 31.9eV, 64.1min, 1/K0=0.825 #32190  
Cmpd 112879, +MS2(592.3025), 31.9eV, 86.295-86.297min, 1/K0=0.83  
Cmpd 50551, +MS2(592.3055), 31.9eV, 64.0min, 1/K0=0.845 #32133  
Cmpd 50372, +MS2(592.3060), 31.9eV, 63.9min, 1/K0=0.846 #32100  
Cmpd 43634, +MS2(604.8393), 37.0eV, 61.266-61.272min, 1/K0=0.863

Cmpd 43961, +MS2(604.8392), 37.0eV, 61.4min, 1/K0=0.860 #30757  
Cmpd 43641, +MS2(604.8393), 31.9eV, 61.268-61.276min, 1/K0=0.832  
Cmpd 43797, +MS2(604.8397), 31.9eV, 61.3min, 1/K0=0.833 #30725  
Cmpd 43738, +MS2(604.8398), 37.0eV, 61.3min, 1/K0=0.863 #30715  
Cmpd 45214, +MS2(604.8415), 37.0eV, 61.809-61.811min, 1/K0=0.857  
Cmpd 96720, +MS2(617.3058), 31.9eV, 81.299-81.301min, 1/K0=0.855  
Cmpd 94595, +MS2(617.3071), 37.0eV, 80.6min, 1/K0=0.857 #40866  
Cmpd 94051, +MS2(617.3072), 37.0eV, 80.3min, 1/K0=0.862 #40746  
Cmpd 94804, +MS2(617.3076), 31.9eV, 80.6min, 1/K0=0.839 #40910  
Cmpd 94195, +MS2(617.3095), 37.0eV, 80.4min, 1/K0=0.859 #40778  
Cmpd 95751, +MS2(617.3100), 37.0eV, 81.0min, 1/K0=0.857 #41086  
Cmpd 28334, +MS2(623.3529), 37.0eV, 54.52-54.54min, 1/K0=0.891 #41086  
Cmpd 27588, +MS2(623.3534), 37.0eV, 54.109-54.113min, 1/K0=0.887  
Cmpd 118324, +MS2(623.8457), 37.0eV, 87.7min, 1/K0=0.871 #44570  
Cmpd 24628, +MS2(624.7988), 31.9eV, 52.6min, 1/K0=0.831 #26094  
Cmpd 24850, +MS2(624.7992), 31.9eV, 52.7min, 1/K0=0.829 #26148  
Cmpd 25640, +MS2(624.8006), 31.9eV, 53.1min, 1/K0=0.827 #26368  
Cmpd 98777, +MS2(628.3408), 37.0eV, 82.0min, 1/K0=0.869 #41603  
Cmpd 97236, +MS2(628.3420), 37.0eV, 81.5min, 1/K0=0.868 #41342  
Cmpd 99483, +MS2(628.3423), 31.9eV, 82.226-82.230min, 1/K0=0.845  
Cmpd 97459, +MS2(628.3432), 37.0eV, 81.5min, 1/K0=0.860 #41383  
Cmpd 97520, +MS2(628.3440), 37.0eV, 81.6min, 1/K0=0.874 #41394  
Cmpd 70774, +MS2(638.3402), 37.0eV, 71.562-71.564min, 1/K0=0.896  
Cmpd 69610, +MS2(638.3404), 37.0eV, 71.1min, 1/K0=0.900 #35907  
Cmpd 43700, +MS2(640.3600), 37.0eV, 61.295-61.297min, 1/K0=0.884  
Cmpd 121648, +MS2(643.3381), 37.0eV, 88.540-88.545min, 1/K0=0.85  
Cmpd 74875, +MS2(643.3518), 37.0eV, 73.1min, 1/K0=0.876 #36929  
Cmpd 71552, +MS2(643.8378), 37.0eV, 71.855-71.859min, 1/K0=0.892  
Cmpd 72116, +MS2(643.8392), 37.0eV, 72.079-72.080min, 1/K0=0.877  
Cmpd 71608, +MS2(643.8400), 37.0eV, 71.878-71.880min, 1/K0=0.874  
Cmpd 52599, +MS2(649.8168), 37.0eV, 64.777-64.779min, 1/K0=0.870  
Cmpd 50395, +MS2(649.8193), 37.0eV, 63.938-63.940min, 1/K0=0.857  
Cmpd 50542, +MS2(649.8194), 37.0eV, 64.0min, 1/K0=0.884 #32132  
Cmpd 50556, +MS2(649.8201), 31.9eV, 64.0min, 1/K0=0.854 #32134  
Cmpd 54174, +MS2(649.8207), 37.0eV, 65.423-65.427min, 1/K0=0.895  
Cmpd 51558, +MS2(649.8203), 37.0eV, 64.4min, 1/K0=0.885 #32352  
Cmpd 50209, +MS2(649.8208), 37.0eV, 63.9min, 1/K0=0.884 #32067  
Cmpd 53088, +MS2(649.8210), 37.0eV, 65.0min, 1/K0=0.884 #32661  
Cmpd 50304, +MS2(649.8217), 37.0eV, 63.9min, 1/K0=0.885 #32088  
Cmpd 55042, +MS2(649.8226), 37.0eV, 65.748-65.750min, 1/K0=0.882  
Cmpd 59266, +MS2(657.8882), 37.0eV, 67.3min, 1/K0=0.880 #33904  
Cmpd 61856, +MS2(657.8898), 37.0eV, 68.3min, 1/K0=0.878 #34421  
Cmpd 60725, +MS2(657.8902), 37.0eV, 67.9min, 1/K0=0.880 #34200  
Cmpd 59415, +MS2(657.8913), 37.0eV, 67.4min, 1/K0=0.882 #33938  
Cmpd 59615, +MS2(657.8919), 37.0eV, 67.5min, 1/K0=0.885 #33980  
Cmpd 106322, +MS2(657.9075), 37.0eV, 84.645-84.647min, 1/K0=0.889  
Cmpd 27464, +MS2(658.8705), 37.0eV, 54.0min, 1/K0=0.906 #26865  
Cmpd 27838, +MS2(658.8709), 37.0eV, 54.266-54.267min, 1/K0=0.863

Cmpd 29992, +MS2(658.8723), 37.0eV, 55.4min, 1/K0=0.911 #27580  
Cmpd 29155, +MS2(658.8725), 37.0eV, 55.0min, 1/K0=0.910 #27358  
Cmpd 28355, +MS2(658.8736), 37.0eV, 54.5min, 1/K0=0.917 #27138  
Cmpd 27608, +MS2(658.8744), 37.0eV, 54.1min, 1/K0=0.910 #26918  
Cmpd 112004, +MS2(678.8396), 37.0eV, 86.1min, 1/K0=0.872 #43748  
Cmpd 118116, +MS2(680.8706), 37.0eV, 87.6min, 1/K0=0.905 #44543  
Cmpd 93823, +MS2(681.3591), 37.0eV, 80.245-80.247min, 1/K0=0.885  
Cmpd 99153, +MS2(681.3596), 37.0eV, 82.100-82.104min, 1/K0=0.921  
Cmpd 93600, +MS2(681.3596), 37.0eV, 80.154-80.157min, 1/K0=0.921  
Cmpd 94899, +MS2(681.3599), 37.0eV, 80.688-80.689min, 1/K0=0.857  
Cmpd 95131, +MS2(681.3602), 37.0eV, 80.8min, 1/K0=0.887 #40976  
Cmpd 97519, +MS2(681.3604), 37.0eV, 81.6min, 1/K0=0.922 #41394  
Cmpd 100642, +MS2(681.3601), 37.0eV, 82.691-82.693min, 1/K0=0.90  
Cmpd 94043, +MS2(681.3604), 37.0eV, 80.3min, 1/K0=0.884 #40745  
Cmpd 105602, +MS2(681.3607), 37.0eV, 84.432-84.433min, 1/K0=0.91  
Cmpd 96246, +MS2(681.3610), 37.0eV, 81.1min, 1/K0=0.923 #41175  
Cmpd 93801, +MS2(681.3612), 37.0eV, 80.2min, 1/K0=0.904 #40691  
Cmpd 102506, +MS2(681.3612), 37.0eV, 83.4min, 1/K0=0.918 #42343  
Cmpd 100197, +MS2(681.3612), 37.0eV, 82.5min, 1/K0=0.925 #41889  
Cmpd 95011, +MS2(681.3613), 37.0eV, 80.7min, 1/K0=0.926 #40954  
Cmpd 93797, +MS2(681.3615), 37.0eV, 80.2min, 1/K0=0.922 #40690  
Cmpd 94099, +MS2(681.3614), 37.0eV, 80.4min, 1/K0=0.900 #40757  
Cmpd 93997, +MS2(681.3622), 37.0eV, 80.3min, 1/K0=0.924 #40734  
Cmpd 78947, +MS2(681.8262), 37.0eV, 74.6min, 1/K0=0.876 #37710  
Cmpd 80958, +MS2(691.8712), 37.0eV, 75.3min, 1/K0=0.910 #38073  
Cmpd 59987, +MS2(691.8724), 37.0eV, 67.6min, 1/K0=0.910 #34050  
Cmpd 81119, +MS2(691.8727), 37.0eV, 75.3min, 1/K0=0.908 #38105  
Cmpd 70773, +MS2(694.8830), 37.0eV, 71.6min, 1/K0=0.958 #36126  
Cmpd 69583, +MS2(694.8837), 37.0eV, 71.1min, 1/K0=0.958 #35905  
Cmpd 69395, +MS2(694.8850), 37.0eV, 71.1min, 1/K0=0.957 #35873  
Cmpd 51540, +MS2(713.8494), 37.0eV, 64.398-64.402min, 1/K0=0.936  
Cmpd 50371, +MS2(713.8495), 37.0eV, 63.9min, 1/K0=0.918 #32100  
Cmpd 51387, +MS2(713.8503), 37.0eV, 64.326-64.328min, 1/K0=0.937  
Cmpd 50451, +MS2(713.8506), 37.0eV, 63.959-63.960min, 1/K0=0.900  
Cmpd 51612, +MS2(713.8515), 37.0eV, 64.4min, 1/K0=0.921 #32365  
Cmpd 50758, +MS2(713.8525), 37.0eV, 64.1min, 1/K0=0.903 #32176  
Cmpd 50609, +MS2(713.8527), 37.0eV, 64.0min, 1/K0=0.921 #32144  
Cmpd 112424, +MS2(717.3582), 37.0eV, 86.2min, 1/K0=0.895 #43804  
Cmpd 121013, +MS2(721.8897), 37.0eV, 88.4min, 1/K0=0.920 #44939  
Cmpd 43729, +MS2(721.8902), 37.0eV, 61.3min, 1/K0=0.891 #30714  
Cmpd 43895, +MS2(721.8924), 37.0eV, 61.4min, 1/K0=0.924 #30746  
Cmpd 43975, +MS2(721.8923), 37.0eV, 61.4min, 1/K0=0.905 #30758  
Cmpd 44073, +MS2(721.8932), 37.0eV, 61.4min, 1/K0=0.906 #30771  
Cmpd 105963, +MS2(722.4312), 37.0eV, 84.5min, 1/K0=0.937 #42957  
Cmpd 106113, +MS2(722.4319), 37.0eV, 84.6min, 1/K0=0.939 #42978  
Cmpd 120207, +MS2(727.3686), 37.0eV, 88.199-88.203min, 1/K0=0.92  
Cmpd 120348, +MS2(727.3692), 37.0eV, 88.2min, 1/K0=0.906 #44859  
Cmpd 120251, +MS2(727.3693), 37.0eV, 88.2min, 1/K0=0.923 #44848

Cmpd 111933, +MS2(727.3694), 37.0eV, 86.1min, 1/K0=0.919 #43738  
Cmpd 49603, +MS2(727.3695), 37.0eV, 63.6min, 1/K0=0.925 #31934  
Cmpd 51805, +MS2(727.3699), 37.0eV, 64.5min, 1/K0=0.924 #32409  
Cmpd 53958, +MS2(727.3701), 37.0eV, 65.3min, 1/K0=0.924 #32849  
Cmpd 50809, +MS2(727.3705), 37.0eV, 64.1min, 1/K0=0.920 #32187  
Cmpd 111813, +MS2(727.3703), 37.0eV, 86.030-86.032min, 1/K0=0.92  
Cmpd 49762, +MS2(727.3722), 37.0eV, 63.7min, 1/K0=0.920 #31967  
Cmpd 81014, +MS2(727.3906), 37.0eV, 75.3min, 1/K0=0.917 #38084  
Cmpd 81193, +MS2(727.3919), 37.0eV, 75.3min, 1/K0=0.917 #38116  
Cmpd 40610, +MS2(749.3842), 37.0eV, 60.0min, 1/K0=0.964 #30020  
Cmpd 69597, +MS2(752.3959), 37.0eV, 71.1min, 1/K0=0.989 #35906  
Cmpd 50262, +MS2(513.9264), 31.9eV, 63.887-63.889min, 1/K0=0.740  
Cmpd 50425, +MS2(513.9274), 31.9eV, 63.9min, 1/K0=0.740 #32110  
Cmpd 50852, +MS2(513.9283), 31.9eV, 64.1min, 1/K0=0.764 #32197  
Cmpd 52803, +MS2(770.3886), 37.0eV, 64.871-64.872min, 1/K0=0.955  
Cmpd 57222, +MS2(770.3898), 37.0eV, 66.6min, 1/K0=0.952 #33528  
Cmpd 54942, +MS2(770.3885), 37.0eV, 65.706-65.712min, 1/K0=0.952  
Cmpd 53792, +MS2(770.3896), 37.0eV, 65.3min, 1/K0=0.955 #32815  
Cmpd 51649, +MS2(770.3902), 37.0eV, 64.4min, 1/K0=0.944 #32374  
Cmpd 50199, +MS2(770.3914), 37.0eV, 63.9min, 1/K0=0.958 #32066  
Cmpd 50650, +MS2(770.3916), 37.0eV, 64.0min, 1/K0=0.952 #32154  
Cmpd 50360, +MS2(770.3928), 37.0eV, 63.9min, 1/K0=0.951 #32099  
Cmpd 50608, +MS2(770.3933), 37.0eV, 64.0min, 1/K0=0.970 #32144  
Cmpd 50480, +MS2(770.3940), 37.0eV, 64.0min, 1/K0=0.934 #32121  
Cmpd 112595, +MS2(774.8713), 37.0eV, 86.2min, 1/K0=0.919 #43825  
Cmpd 81199, +MS2(783.9366), 37.0eV, 75.345-75.347min, 1/K0=0.968  
Cmpd 118107, +MS2(524.2894), 31.9eV, 87.626-87.628min, 1/K0=0.76  
Cmpd 92643, +MS2(785.9396), 37.0eV, 79.8min, 1/K0=1.021 #40450  
Cmpd 118015, +MS2(785.9389), 37.0eV, 87.6min, 1/K0=1.021 #44531  
Cmpd 92739, +MS2(785.9400), 37.0eV, 79.806-79.808min, 1/K0=1.019  
Cmpd 118166, +MS2(785.9411), 37.0eV, 87.6min, 1/K0=1.019 #44551  
Cmpd 74466, +MS2(802.9224), 37.0eV, 72.9min, 1/K0=1.037 #36851  
Cmpd 69257, +MS2(802.9242), 37.0eV, 71.038-71.044min, 1/K0=1.040  
Cmpd 69492, +MS2(802.9246), 37.0eV, 71.114-71.116min, 1/K0=0.993  
Cmpd 73045, +MS2(802.9250), 37.0eV, 72.421-72.425min, 1/K0=1.035  
Cmpd 71863, +MS2(802.9255), 37.0eV, 72.0min, 1/K0=1.036 #36345  
Cmpd 69382, +MS2(802.9257), 37.0eV, 71.1min, 1/K0=1.039 #35872  
Cmpd 69582, +MS2(802.9263), 37.0eV, 71.1min, 1/K0=1.036 #35905  
Cmpd 70763, +MS2(802.9270), 37.0eV, 71.6min, 1/K0=1.033 #36125  
Cmpd 40493, +MS2(813.4112), 37.0eV, 59.946-59.948min, 1/K0=0.991  
Cmpd 82124, +MS2(819.4496), 37.0eV, 75.678-75.684min, 1/K0=0.858  
Cmpd 81005, +MS2(819.4504), 37.0eV, 75.3min, 1/K0=0.983 #38083  
Cmpd 80947, +MS2(819.4507), 37.0eV, 75.260-75.263min, 1/K0=0.872  
Cmpd 91533, +MS2(819.4489), 37.0eV, 79.3min, 1/K0=0.981 #40218  
Cmpd 81117, +MS2(819.4468), 37.0eV, 75.3min, 1/K0=1.020 #38105  
Cmpd 89153, +MS2(819.4516), 37.0eV, 78.4min, 1/K0=0.976 #39733  
Cmpd 82745, +MS2(819.4213), 37.0eV, 75.93-75.95min, 1/K0=0.987 #40218  
Cmpd 87050, +MS2(819.4508), 37.0eV, 77.6min, 1/K0=0.978 #39293

Cmpd 82170, +MS2(819.4524), 37.0eV, 75.7min, 1/K0=0.989 #38303  
Cmpd 80913, +MS2(819.4239), 37.0eV, 75.245-75.246min, 1/K0=0.982  
Cmpd 84621, +MS2(819.4530), 37.0eV, 76.6min, 1/K0=0.980 #38787  
Cmpd 84345, +MS2(819.4531), 37.0eV, 76.5min, 1/K0=0.999 #38733  
Cmpd 90453, +MS2(819.4534), 37.0eV, 78.9min, 1/K0=0.983 #39999  
Cmpd 86956, +MS2(819.4534), 37.0eV, 77.5min, 1/K0=0.981 #39272  
Cmpd 85710, +MS2(819.4536), 37.0eV, 77.0min, 1/K0=0.990 #39007  
Cmpd 86077, +MS2(819.4538), 37.0eV, 77.185-77.187min, 1/K0=0.999  
Cmpd 93796, +MS2(819.4542), 37.0eV, 80.230-80.231min, 1/K0=0.979  
Cmpd 88094, +MS2(819.4543), 37.0eV, 78.0min, 1/K0=0.984 #39513  
Cmpd 92731, +MS2(819.4545), 37.0eV, 79.803-79.804min, 1/K0=0.992  
Cmpd 95893, +MS2(819.4542), 37.0eV, 81.034-81.039min, 1/K0=0.982  
Cmpd 80673, +MS2(819.4552), 37.0eV, 75.2min, 1/K0=0.979 #38018  
Cmpd 80778, +MS2(819.4555), 37.0eV, 75.2min, 1/K0=0.980 #38039  
Cmpd 80590, +MS2(819.4557), 37.0eV, 75.129-75.133min, 1/K0=0.979  
Cmpd 83195, +MS2(819.4563), 37.0eV, 76.1min, 1/K0=0.970 #38513  
Cmpd 83485, +MS2(819.4569), 37.0eV, 76.2min, 1/K0=0.985 #38567  
Cmpd 118025, +MS2(821.4579), 37.0eV, 87.6min, 1/K0=1.039 #44532  
Cmpd 118178, +MS2(821.4595), 37.0eV, 87.6min, 1/K0=1.041 #44552  
Cmpd 112486, +MS2(824.4069), 37.0eV, 86.204-86.206min, 1/K0=0.96  
Cmpd 112619, +MS2(824.4074), 37.0eV, 86.2min, 1/K0=0.970 #43827  
Cmpd 39609, +MS2(562.9812), 31.9eV, 59.6min, 1/K0=0.785 #29811  
Cmpd 39437, +MS2(562.9818), 31.9eV, 59.5min, 1/K0=0.784 #29767  
Cmpd 39433, +MS2(843.9706), 42.0eV, 59.5min, 1/K0=1.055 #29767  
Cmpd 40617, +MS2(843.9725), 42.0eV, 60.0min, 1/K0=1.060 #30021  
Cmpd 39560, +MS2(843.9727), 42.0eV, 59.6min, 1/K0=1.057 #29800  
Cmpd 39364, +MS2(843.9744), 42.0eV, 59.475-59.479min, 1/K0=1.055  
Cmpd 57155, +MS2(565.9576), 31.9eV, 66.6min, 1/K0=0.762 #33519  
Cmpd 57012, +MS2(565.9591), 31.9eV, 66.6min, 1/K0=0.781 #33496  
Cmpd 58249, +MS2(565.9592), 31.9eV, 67.0min, 1/K0=0.778 #33716  
Cmpd 62587, +MS2(565.9597), 31.9eV, 68.6min, 1/K0=0.779 #34563  
Cmpd 57021, +MS2(565.9595), 31.9eV, 66.6min, 1/K0=0.799 #33497  
Cmpd 59408, +MS2(565.9611), 31.9eV, 67.4min, 1/K0=0.777 #33937  
Cmpd 63544, +MS2(565.9608), 31.9eV, 69.0min, 1/K0=0.775 #34783  
Cmpd 60336, +MS2(565.9614), 31.9eV, 67.8min, 1/K0=0.792 #34123  
Cmpd 71780, +MS2(565.9607), 31.9eV, 71.943-71.945min, 1/K0=0.782  
Cmpd 61452, +MS2(565.9610), 31.9eV, 68.2min, 1/K0=0.779 #34343  
Cmpd 57353, +MS2(848.4394), 37.0eV, 66.7min, 1/K0=1.005 #33540  
Cmpd 79063, +MS2(565.9621), 31.9eV, 74.611-74.615min, 1/K0=0.781  
Cmpd 56871, +MS2(565.9625), 31.9eV, 66.5min, 1/K0=0.779 #33464  
Cmpd 60171, +MS2(565.9626), 31.9eV, 67.7min, 1/K0=0.793 #34090  
Cmpd 57151, +MS2(848.4430), 37.0eV, 66.6min, 1/K0=0.992 #33519  
Cmpd 96503, +MS2(575.6395), 31.9eV, 81.2min, 1/K0=0.793 #41218  
Cmpd 103221, +MS2(862.9629), 37.0eV, 83.6min, 1/K0=1.019 #42475  
Cmpd 102023, +MS2(862.9594), 37.0eV, 83.2min, 1/K0=1.023 #42252  
Cmpd 99837, +MS2(862.9638), 37.0eV, 82.4min, 1/K0=1.021 #41812  
Cmpd 98710, +MS2(862.9645), 37.0eV, 81.9min, 1/K0=1.017 #41592  
Cmpd 96099, +MS2(862.9679), 37.0eV, 81.1min, 1/K0=1.018 #41152

Cmpd 97397, +MS2(862.9692), 37.0eV, 81.5min, 1/K0=1.018 #41372  
Cmpd 118165, +MS2(864.9755), 42.0eV, 87.6min, 1/K0=1.075 #44551  
Cmpd 118004, +MS2(864.9758), 42.0eV, 87.6min, 1/K0=1.075 #44530  
Cmpd 40644, +MS2(580.3062), 31.9eV, 60.005-60.009min, 1/K0=0.776  
Cmpd 40450, +MS2(869.9563), 37.0eV, 59.93-59.94min, 1/K0=1.021 #41372  
Cmpd 36566, +MS2(873.9148), 37.0eV, 58.286-58.288min, 1/K0=1.008  
Cmpd 112538, +MS2(873.9406), 37.0eV, 86.2min, 1/K0=1.028 #43817  
Cmpd 116331, +MS2(905.4274), 37.0eV, 87.2min, 1/K0=1.024 #44311  
Cmpd 96371, +MS2(912.5001), 42.0eV, 81.2min, 1/K0=1.061 #41197  
Cmpd 118113, +MS2(946.5063), 42.0eV, 87.6min, 1/K0=1.092 #44543  
Cmpd 52284, +MS2(632.3347), 31.9eV, 64.647-64.652min, 1/K0=0.817  
Cmpd 50616, +MS2(632.3383), 31.9eV, 64.013-64.015min, 1/K0=0.825  
Cmpd 50865, +MS2(632.3395), 31.9eV, 64.1min, 1/K0=0.822 #32198  
Cmpd 112464, +MS2(955.4736), 42.0eV, 86.2min, 1/K0=1.079 #43809  
Cmpd 92547, +MS2(975.0144), 42.0eV, 79.736-79.742min, 1/K0=1.133  
Cmpd 117966, +MS2(975.0182), 42.0eV, 87.594-87.596min, 1/K0=1.13  
Cmpd 118076, +MS2(975.0168), 42.0eV, 87.6min, 1/K0=1.139 #44540  
Cmpd 96375, +MS2(651.3490), 31.9eV, 81.192-81.198min, 1/K0=0.772  
Cmpd 96418, +MS2(976.5256), 42.0eV, 81.2min, 1/K0=1.100 #41207  
Cmpd 96235, +MS2(976.5260), 42.0eV, 81.1min, 1/K0=1.085 #41174  
Cmpd 96040, +MS2(976.5273), 42.0eV, 81.1min, 1/K0=1.080 #41141  
Cmpd 96430, +MS2(976.5266), 42.0eV, 81.2min, 1/K0=1.065 #41208  
Cmpd 98837, +MS2(976.5298), 42.0eV, 82.0min, 1/K0=1.080 #41614  
Cmpd 112406, +MS2(983.9849), 42.0eV, 86.2min, 1/K0=1.115 #43803  
Cmpd 112592, +MS2(983.9866), 42.0eV, 86.2min, 1/K0=1.115 #43825  
Cmpd 59192, +MS2(1013.0101), 42.0eV, 67.322-67.324min, 1/K0=1.09  
Cmpd 59206, +MS2(1013.0071), 42.0eV, 67.33-67.34min, 1/K0=1.095 #41372  
Cmpd 78768, +MS2(682.6589), 31.9eV, 74.5min, 1/K0=0.780 #37676  
Cmpd 78670, +MS2(682.6603), 31.9eV, 74.5min, 1/K0=0.782 #37654  
Cmpd 118013, +MS2(1032.5288), 42.0eV, 87.6min, 1/K0=1.162 #44531  
Cmpd 118186, +MS2(1032.5294), 42.0eV, 87.6min, 1/K0=1.164 #44553  
Cmpd 111837, +MS2(703.0625), 37.0eV, 86.0min, 1/K0=0.867 #43726  
Cmpd 111722, +MS2(703.0606), 37.0eV, 86.007-86.009min, 1/K0=0.86  
Cmpd 112405, +MS2(1057.5193), 42.0eV, 86.2min, 1/K0=1.176 #43803  
Cmpd 118100, +MS2(1082.0646), 42.0eV, 87.6min, 1/K0=1.172 #44542  
Cmpd 118144, +MS2(1082.0636), 42.0eV, 87.6min, 1/K0=1.140 #44548  
Cmpd 96365, +MS2(726.7377), 31.9eV, 81.2min, 1/K0=0.795 #41196  
Cmpd 101129, +MS2(726.7399), 31.9eV, 82.9min, 1/K0=0.843 #42079  
Cmpd 96364, +MS2(726.7391), 31.9eV, 81.2min, 1/K0=0.844 #41196  
Cmpd 99994, +MS2(726.7415), 31.9eV, 82.4min, 1/K0=0.840 #41845  
Cmpd 96177, +MS2(726.7397), 31.9eV, 81.1min, 1/K0=0.827 #41164  
Cmpd 95993, +MS2(726.7389), 31.9eV, 81.1min, 1/K0=0.848 #41131  
Cmpd 99328, +MS2(726.7406), 31.9eV, 82.169-82.171min, 1/K0=0.837  
Cmpd 100331, +MS2(726.7412), 37.0eV, 82.570-82.572min, 1/K0=0.87  
Cmpd 97635, +MS2(726.7391), 31.9eV, 81.6min, 1/K0=0.838 #41416  
Cmpd 97347, +MS2(726.7409), 37.0eV, 81.5min, 1/K0=0.927 #41361  
Cmpd 96630, +MS2(1089.6089), 42.0eV, 81.3min, 1/K0=1.159 #41240  
Cmpd 100245, +MS2(726.7427), 37.0eV, 82.5min, 1/K0=0.928 #41900

Cmpd 96042, +MS2(726.7432), 37.0eV, 81.1min, 1/K0=0.930 #41141  
Cmpd 95821, +MS2(726.7449), 37.0eV, 81.005-81.007min, 1/K0=0.928  
Cmpd 112418, +MS2(1107.0531), 42.0eV, 86.2min, 1/K0=1.203 #43804  
Cmpd 118175, +MS2(1131.5961), 42.0eV, 87.6min, 1/K0=1.211 #44552  
Cmpd 118002, +MS2(1131.5985), 42.0eV, 87.6min, 1/K0=1.209 #44530  
Cmpd 112478, +MS2(821.7320), 37.0eV, 86.2min, 1/K0=0.858 #43811  
Cmpd 112318, +MS2(1232.1005), 42.0eV, 86.2min, 1/K0=1.221 #43792  
Cmpd 113122, +MS2(1232.0994), 42.0eV, 86.4min, 1/K0=1.203 #43892  
Cmpd 112404, +MS2(1232.1001), 42.0eV, 86.2min, 1/K0=1.223 #43803  
Cmpd 100940, +MS2(822.1048), 37.0eV, 82.8min, 1/K0=0.988 #42043  
Cmpd 100767, +MS2(822.1046), 37.0eV, 82.741-82.743min, 1/K0=0.98  
Cmpd 121018, +MS2(1308.1944), 47.0eV, 88.4min, 1/K0=1.258 #44940  
Cmpd 117087, +MS2(884.1333), 37.0eV, 87.4min, 1/K0=0.887 #44409  
Cmpd 125203, +MS2(1349.1697), 47.0eV, 89.749-89.758min, 1/K0=1.2  
Cmpd 117185, +MS2(907.8146), 37.0eV, 87.4min, 1/K0=0.914 #44422  
Cmpd 117126, +MS2(907.8168), 37.0eV, 87.381-87.383min, 1/K0=0.93  
Cmpd 118252, +MS2(1372.2404), 47.0eV, 87.7min, 1/K0=1.344 #44562  
Cmpd 118167, +MS2(915.1640), 37.0eV, 87.6min, 1/K0=0.947 #44551  
Cmpd 116884, +MS2(915.1670), 37.0eV, 87.317-87.319min, 1/K0=0.94  
Cmpd 117004, +MS2(969.1908), 37.0eV, 87.3min, 1/K0=0.937 #44398  
Cmpd 111834, +MS2(1021.2263), 37.0eV, 86.0min, 1/K0=1.048 #43726  
Cmpd 111683, +MS2(1021.2243), 37.0eV, 86.0min, 1/K0=1.047 #43705  
Cmpd 123603, +MS2(1154.6033), 37.0eV, 89.1min, 1/K0=1.035 #45322  
Cmpd 123618, +MS2(1154.6025), 37.0eV, 89.138-89.140min, 1/K0=1.0  
Cmpd 123587, +MS2(1154.6059), 42.0eV, 89.1min, 1/K0=1.230 #45321  
Cmpd 121209, +MS2(1174.3109), 42.0eV, 88.438-88.440min, 1/K0=1.1  
Cmpd 121243, +MS2(1174.3111), 42.0eV, 88.4min, 1/K0=1.127 #44969  
Cmpd 120313, +MS2(1253.6042), 37.0eV, 88.227-88.229min, 1/K0=1.0  
Cmpd 120477, +MS2(1253.6071), 37.0eV, 88.3min, 1/K0=1.040 #44873  
Cmpd 33495, +MS2(480.8127), 31.9eV, 56.997-56.999min, 1/K0=0.769  
Cmpd 33744, +MS2(480.8127), 31.9eV, 57.1min, 1/K0=0.769 #28502  
Cmpd 79762, +MS2(572.3299), 31.9eV, 74.826-74.828min, 1/K0=0.825  
Cmpd 81028, +MS2(572.3304), 31.9eV, 75.288-75.292min, 1/K0=0.817  
Cmpd 77276, +MS2(572.3311), 31.9eV, 73.9min, 1/K0=0.821 #37370  
Cmpd 82233, +MS2(572.3319), 31.9eV, 75.72-75.73min, 1/K0=0.818 #3  
Cmpd 77433, +MS2(572.3320), 31.9eV, 74.0min, 1/K0=0.820 #37401  
Cmpd 78517, +MS2(572.3328), 31.9eV, 74.4min, 1/K0=0.819 #37621  
Cmpd 75207, +MS2(593.3798), 37.0eV, 73.212-73.218min, 1/K0=0.897  
Cmpd 77001, +MS2(593.3801), 37.0eV, 73.830-73.832min, 1/K0=0.897  
Cmpd 75518, +MS2(593.3806), 37.0eV, 73.3min, 1/K0=0.898 #37060  
Cmpd 48708, +MS2(605.8087), 31.9eV, 63.2min, 1/K0=0.829 #31736  
Cmpd 48683, +MS2(605.8134), 31.9eV, 63.230-63.232min, 1/K0=0.826  
Cmpd 23511, +MS2(613.8060), 31.9eV, 52.0min, 1/K0=0.825 #25807  
Cmpd 6342, +MS2(615.8406), 31.9eV, 41.3min, 1/K0=0.847 #20131  
Cmpd 6257, +MS2(615.8417), 31.9eV, 41.3min, 1/K0=0.847 #20087  
Cmpd 6223, +MS2(615.8437), 31.9eV, 41.228-41.231min, 1/K0=0.842 #  
Cmpd 54623, +MS2(615.8537), 37.0eV, 65.583-65.586min, 1/K0=0.881  
Cmpd 66064, +MS2(636.3791), 37.0eV, 69.914-69.916min, 1/K0=0.884

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Cmpd 90231, +MS2(638.3496), 37.0eV, 78.8min, 1/K0=0.904 #39957  
Cmpd 90302, +MS2(638.3502), 37.0eV, 78.863-78.865min, 1/K0=0.875  
Cmpd 14217, +MS2(640.2839), 31.9eV, 46.683-46.685min, 1/K0=0.844  
Cmpd 13479, +MS2(640.2851), 31.9eV, 46.3min, 1/K0=0.848 #22750  
Cmpd 12714, +MS2(640.2851), 31.9eV, 45.8min, 1/K0=0.854 #22485  
Cmpd 13134, +MS2(640.2863), 31.9eV, 46.052-46.054min, 1/K0=0.828  
Cmpd 12829, +MS2(640.2866), 31.9eV, 45.9min, 1/K0=0.852 #22529  
Cmpd 12882, +MS2(640.2869), 31.9eV, 45.896-45.898min, 1/K0=0.818  
Cmpd 33053, +MS2(647.3002), 31.9eV, 56.791-56.793min, 1/K0=0.853  
Cmpd 33280, +MS2(647.3006), 31.9eV, 56.9min, 1/K0=0.842 #28383  
Cmpd 29167, +MS2(669.8567), 37.0eV, 54.96-54.97min, 1/K0=0.888 #27599  
Cmpd 30049, +MS2(669.8570), 37.0eV, 55.4min, 1/K0=0.866 #27599  
Cmpd 29264, +MS2(669.8575), 37.0eV, 55.0min, 1/K0=0.888 #27381  
Cmpd 29350, +MS2(669.8574), 37.0eV, 55.0min, 1/K0=0.906 #27403  
Cmpd 29787, +MS2(669.8591), 37.0eV, 55.3min, 1/K0=0.880 #27523  
Cmpd 29417, +MS2(669.8592), 37.0eV, 55.1min, 1/K0=0.892 #27424  
Cmpd 29429, +MS2(669.8592), 37.0eV, 55.1min, 1/K0=0.868 #27427  
Cmpd 93411, +MS2(676.8594), 37.0eV, 80.1min, 1/K0=0.907 #40613  
Cmpd 92147, +MS2(676.8603), 37.0eV, 79.6min, 1/K0=0.910 #40349  
Cmpd 92369, +MS2(676.8606), 37.0eV, 79.7min, 1/K0=0.911 #40393  
Cmpd 92004, +MS2(676.8609), 37.0eV, 79.5min, 1/K0=0.905 #40318  
Cmpd 120599, +MS2(676.8722), 37.0eV, 88.293-88.295min, 1/K0=0.87  
Cmpd 54846, +MS2(680.3769), 37.0eV, 65.7min, 1/K0=0.927 #33014  
Cmpd 92262, +MS2(684.8567), 37.0eV, 79.626-79.628min, 1/K0=0.897  
Cmpd 50723, +MS2(684.8576), 37.0eV, 64.055-64.057min, 1/K0=0.902  
Cmpd 65923, +MS2(685.9158), 37.0eV, 69.879-69.881min, 1/K0=0.949  
Cmpd 65822, +MS2(685.9159), 37.0eV, 69.9min, 1/K0=0.922 #35225  
Cmpd 66629, +MS2(685.9177), 37.0eV, 70.1min, 1/K0=0.924 #35377  
Cmpd 6414, +MS2(704.3326), 37.0eV, 41.415-41.417min, 1/K0=0.896 #32926  
Cmpd 6515, +MS2(704.3342), 37.0eV, 41.501-41.505min, 1/K0=0.876 #32968  
Cmpd 54373, +MS2(708.8874), 37.0eV, 65.5min, 1/K0=0.961 #32926  
Cmpd 54596, +MS2(708.8888), 37.0eV, 65.6min, 1/K0=0.961 #32968  
Cmpd 55737, +MS2(708.8893), 37.0eV, 66.031-66.033min, 1/K0=0.960  
Cmpd 107408, +MS2(727.4290), 37.0eV, 84.9min, 1/K0=0.962 #43157  
Cmpd 109411, +MS2(737.3721), 37.0eV, 85.432-85.434min, 1/K0=0.94  
Cmpd 109267, +MS2(737.3741), 37.0eV, 85.4min, 1/K0=0.945 #43397  
Cmpd 91899, +MS2(745.3668), 37.0eV, 79.5min, 1/K0=0.933 #40294  
Cmpd 54610, +MS2(505.9476), 31.9eV, 65.577-65.581min, 1/K0=0.755  
Cmpd 54415, +MS2(758.4215), 37.0eV, 65.5min, 1/K0=1.003 #32935  
Cmpd 56621, +MS2(758.4224), 37.0eV, 66.415-66.416min, 1/K0=1.000  
Cmpd 54269, +MS2(758.4221), 37.0eV, 65.455-65.457min, 1/K0=0.999  
Cmpd 56295, +MS2(758.4224), 37.0eV, 66.278-66.282min, 1/K0=0.998  
Cmpd 55505, +MS2(758.4239), 37.0eV, 65.9min, 1/K0=0.998 #33155  
Cmpd 10934, +MS2(533.6045), 31.9eV, 44.6min, 1/K0=0.759 #21869  
Cmpd 10855, +MS2(533.6051), 31.9eV, 44.6min, 1/K0=0.762 #21837  
Cmpd 10911, +MS2(799.9043), 37.0eV, 44.596-44.598min, 1/K0=0.962  
Cmpd 68243, +MS2(802.8923), 37.0eV, 70.7min, 1/K0=0.984 #35666  
Cmpd 5142, +MS2(545.6029), 31.9eV, 40.2min, 1/K0=0.759 #19537

[illegible]

	Cmpd 68153, +MS2(895.9253), 37.0eV, 70.7min, 1/K0=1.046 #35653
	Cmpd 68264, +MS2(895.9257), 37.0eV, 70.700-70.702min, 1/K0=1.015
	Cmpd 69417, +MS2(895.9263), 37.0eV, 71.088-71.091min, 1/K0=1.047
	Cmpd 32712, +MS2(903.4355), 42.0eV, 56.66-56.68min, 1/K0=1.056 #
	Cmpd 32921, +MS2(903.4374), 42.0eV, 56.7min, 1/K0=1.068 #28305
	Cmpd 32885, +MS2(903.4359), 37.0eV, 56.73-56.74min, 1/K0=1.045 #
0.00000000002000000.0	Cmpd 46388, +MS2(903.9212), 37.0eV, 62.345-62.347min, 1/K0=1.040
0.000000000200000000.0	Cmpd 49224, +MS2(903.9228), 37.0eV, 63.463-63.467min, 1/K0=1.032
0.20000000000000020.0	Cmpd 104601, +MS2(923.9744), 37.0eV, 84.096-84.097min, 1/K0=1.03
0.20000000000000020.0	Cmpd 102277, +MS2(923.9765), 37.0eV, 83.299-83.301min, 1/K0=1.03
	Cmpd 67973, +MS2(946.4471), 42.0eV, 70.6min, 1/K0=1.081 #35623
	Cmpd 68139, +MS2(946.4492), 42.0eV, 70.7min, 1/K0=1.074 #35652
	Cmpd 68628, +MS2(946.4497), 37.0eV, 70.820-70.821min, 1/K0=1.045
	Cmpd 69404, +MS2(946.4521), 42.0eV, 71.1min, 1/K0=1.079 #35874
	Cmpd 107297, +MS2(950.5047), 42.0eV, 84.9min, 1/K0=1.080 #43143
	Cmpd 78715, +MS2(950.9065), 37.0eV, 74.5min, 1/K0=1.012 #37665
	Cmpd 77647, +MS2(950.9065), 37.0eV, 74.1min, 1/K0=1.016 #37445
	Cmpd 82570, +MS2(950.9057), 37.0eV, 75.860-75.862min, 1/K0=1.019
	Cmpd 82273, +MS2(950.9078), 37.0eV, 75.7min, 1/K0=1.017 #38324
	Cmpd 80742, +MS2(950.9085), 37.0eV, 75.180-75.182min, 1/K0=1.010
	Cmpd 77260, +MS2(950.9107), 37.0eV, 73.9min, 1/K0=1.017 #37368
	Cmpd 82526, +MS2(950.9054), 37.0eV, 75.841-75.843min, 1/K0=1.022
0.000000000002000000.0	Cmpd 46575, +MS2(954.4471), 42.0eV, 62.4min, 1/K0=1.057 #31307
0.000000000002000000.0	Cmpd 56642, +MS2(958.9033), 37.0eV, 66.424-66.426min, 1/K0=1.017
0.000000000000020000.0	Cmpd 62951, +MS2(958.9013), 37.0eV, 68.76-68.78min, 1/K0=1.023 #
0.000000000000020000.0	Cmpd 49166, +MS2(958.9016), 37.0eV, 63.435-63.439min, 1/K0=1.013
0.000000000000020000.0	Cmpd 59113, +MS2(958.9014), 37.0eV, 67.29-67.30min, 1/K0=1.024 #
0.000000000002000000.0	Cmpd 59387, +MS2(958.9019), 37.0eV, 67.404-67.407min, 1/K0=1.017
0.000000000000020000.0	Cmpd 75285, +MS2(958.9041), 37.0eV, 73.250-73.252min, 1/K0=1.017
0.000000000000020000.0	Cmpd 55683, +MS2(958.9025), 37.0eV, 66.008-66.012min, 1/K0=1.021
0.000000000000020000.0	Cmpd 49126, +MS2(958.9007), 37.0eV, 63.420-63.422min, 1/K0=1.010
0.000000000002000000.0	Cmpd 78390, +MS2(958.9027), 37.0eV, 74.352-74.353min, 1/K0=1.014
0.000000000000020000.0	Cmpd 49347, +MS2(958.9036), 37.0eV, 63.5min, 1/K0=1.019 #31880
0.000000000000020000.0	Cmpd 51429, +MS2(958.9033), 37.0eV, 64.345-64.349min, 1/K0=1.018
0.000000000000020000.0	Cmpd 59099, +MS2(958.9049), 37.0eV, 67.281-67.283min, 1/K0=1.011
0.000000000002000000.0	Cmpd 53086, +MS2(958.9046), 37.0eV, 65.0min, 1/K0=1.015 #32661
0.000000000000020000.0	Cmpd 59272, +MS2(958.9040), 37.0eV, 67.351-67.355min, 1/K0=1.010
0.000000000002000000.0	Cmpd 54140, +MS2(958.9047), 37.0eV, 65.412-65.414min, 1/K0=1.017
0.000000000000020000.0	Cmpd 64228, +MS2(958.9121), 37.0eV, 69.289-69.295min, 1/K0=1.011
0.000000000002000000.0	Cmpd 60455, +MS2(958.9053), 37.0eV, 67.809-67.813min, 1/K0=1.017
0.000000000000020000.0	Cmpd 50369, +MS2(958.9046), 37.0eV, 63.9min, 1/K0=1.018 #32100
0.000000000002000000.0	Cmpd 52895, +MS2(958.9054), 37.0eV, 64.914-64.922min, 1/K0=1.012
0.000000000002000000.0	Cmpd 75825, +MS2(958.9065), 37.0eV, 73.453-73.457min, 1/K0=1.012
0.000000000000020000.0	Cmpd 77273, +MS2(958.9080), 37.0eV, 73.926-73.928min, 1/K0=1.017
0.000000000000020000.0	Cmpd 64078, +MS2(958.9045), 37.0eV, 69.236-69.240min, 1/K0=1.016
0.000000000002000000.0	Cmpd 72088, +MS2(958.9062), 37.0eV, 72.065-72.075min, 1/K0=1.014
0.000000000002000000.0	Cmpd 61551, +MS2(958.9017), 37.0eV, 68.2min, 1/K0=1.012 #34365
0.000000000002020000.0	Cmpd 27169, +MS2(966.8964), 37.0eV, 53.870-53.876min, 1/K0=1.013

0.000000000002020000.0	Cmpd 27852, +MS2(966.9003), 37.0eV, 54.271-54.273min, 1/K0=1.005
0.000000000002020000.0	Cmpd 77751, +MS2(966.9024), 37.0eV, 74.11-74.12min, 1/K0=1.021 #
	Cmpd 83390, +MS2(648.3274), 31.9eV, 76.2min, 1/K0=0.844 #38545
	Cmpd 84516, +MS2(648.3270), 31.9eV, 76.6min, 1/K0=0.846 #38765
	Cmpd 74435, +MS2(668.3386), 31.9eV, 72.927-72.931min, 1/K0=0.813
	Cmpd 74443, +MS2(668.3388), 31.9eV, 72.933-72.935min, 1/K0=0.779
	Cmpd 74263, +MS2(668.3374), 31.9eV, 72.865-72.868min, 1/K0=0.798
	Cmpd 74403, +MS2(668.3381), 31.9eV, 72.9min, 1/K0=0.797 #36840
	Cmpd 24294, +MS2(678.3359), 31.9eV, 52.409-52.415min, 1/K0=0.814
	Cmpd 24404, +MS2(678.3369), 31.9eV, 52.5min, 1/K0=0.817 #26039
	Cmpd 122360, +MS2(682.6633), 37.0eV, 88.729-88.731min, 1/K0=0.87
	Cmpd 123043, +MS2(1023.5040), 42.0eV, 88.94-88.95min, 1/K0=1.091
	Cmpd 107400, +MS2(705.3788), 37.0eV, 84.9min, 1/K0=0.897 #43156
	Cmpd 107409, +MS2(705.3787), 37.0eV, 84.9min, 1/K0=0.885 #43157
	Cmpd 107375, +MS2(1057.5699), 42.0eV, 84.9min, 1/K0=1.187 #43154
0.00000200000000000000.0	Cmpd 92385, +MS2(710.7121), 37.0eV, 79.7min, 1/K0=0.896 #40395
	Cmpd 54358, +MS2(711.0397), 37.0eV, 65.5min, 1/K0=0.894 #32924
	Cmpd 68209, +MS2(1071.4946), 42.0eV, 70.7min, 1/K0=1.136 #35663
	Cmpd 67998, +MS2(1071.4960), 42.0eV, 70.6min, 1/K0=1.136 #35630
	Cmpd 69461, +MS2(1071.4961), 42.0eV, 71.1min, 1/K0=1.135 #35884
0.00000000000200000000.0	Cmpd 50051, +MS2(719.9941), 31.9eV, 63.798-63.800min, 1/K0=0.797
0.00000000000200000000.0	Cmpd 49370, +MS2(719.9946), 31.9eV, 63.518-63.522min, 1/K0=0.802
0.00000000000020000000.0	Cmpd 46741, +MS2(719.9952), 31.9eV, 62.5min, 1/K0=0.807 #31340
0.00000000000020000000.0	Cmpd 46589, +MS2(719.9968), 31.9eV, 62.4min, 1/K0=0.831 #31308
0.00000000000020000000.0	Cmpd 46473, +MS2(719.9984), 31.9eV, 62.4min, 1/K0=0.786 #31285
0.00000000000020000000.0	Cmpd 46350, +MS2(719.9970), 37.0eV, 62.3min, 1/K0=0.865 #31253
0.00000000000020000000.0	Cmpd 46163, +MS2(719.9980), 37.0eV, 62.2min, 1/K0=0.866 #31210
0.00000000000020000000.0	Cmpd 46472, +MS2(719.9974), 31.9eV, 62.4min, 1/K0=0.846 #31285
0.00000000000020000000.0	Cmpd 46297, +MS2(719.9984), 37.0eV, 62.3min, 1/K0=0.883 #31241
0.00000000000200000000.0	Cmpd 49086, +MS2(719.9976), 31.9eV, 63.403-63.405min, 1/K0=0.851
0.00000000000200000000.0	Cmpd 49052, +MS2(719.9960), 31.9eV, 63.385-63.389min, 1/K0=0.819
0.00000000000202000000.0	Cmpd 28702, +MS2(725.3291), 31.9eV, 54.733-54.735min, 1/K0=0.799
0.00000000000202000000.0	Cmpd 28566, +MS2(725.3291), 31.9eV, 54.665-54.667min, 1/K0=0.826
0.00000000000202000000.0	Cmpd 28697, +MS2(725.3291), 31.9eV, 54.7min, 1/K0=0.783 #27239
	Cmpd 106453, +MS2(762.0724), 37.0eV, 84.678-84.683min, 1/K0=0.91
	Cmpd 124021, +MS2(1168.0882), 42.0eV, 89.280-89.282min, 1/K0=1.1
	Cmpd 120604, +MS2(1168.0902), 42.0eV, 88.295-88.297min, 1/K0=1.1
0.00000000000000000020.0	Cmpd 93664, +MS2(780.7027), 31.9eV, 80.180-80.182min, 1/K0=0.836
	Cmpd 90384, +MS2(805.4361), 37.0eV, 78.9min, 1/K0=0.887 #39986
	Cmpd 106384, +MS2(848.1005), 37.0eV, 84.660-84.662min, 1/K0=0.90
	Cmpd 89836, +MS2(868.1263), 37.0eV, 78.709-78.711min, 1/K0=0.938
	Cmpd 90128, +MS2(1301.6796), 47.0eV, 78.8min, 1/K0=1.254 #39942
	Cmpd 89992, +MS2(868.1252), 37.0eV, 78.8min, 1/K0=0.941 #39920
	Cmpd 89945, +MS2(868.1259), 37.0eV, 78.7min, 1/K0=0.919 #39911
	Cmpd 91157, +MS2(868.1244), 37.0eV, 79.2min, 1/K0=0.952 #40140
0.0200000000000000000000.0	Cmpd 76783, +MS2(873.4569), 37.0eV, 73.8min, 1/K0=0.908 #37280
	Cmpd 74208, +MS2(910.8261), 37.0eV, 72.844-72.850min, 1/K0=1.025
	Cmpd 106417, +MS2(919.4797), 37.0eV, 84.7min, 1/K0=0.970 #43022

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Cmpd 106305, +MS2(919.4821), 37.0eV, 84.640-84.641min, 1/K0=0.96  
Cmpd 121166, +MS2(1143.2326), 37.0eV, 88.4min, 1/K0=1.042 #44958  
Cmpd 121086, +MS2(1143.2328), 37.0eV, 88.4min, 1/K0=1.046 #44948  
Cmpd 11236, +MS2(400.7025), 31.9eV, 44.8min, 1/K0=0.699 #21979  
Cmpd 11117, +MS2(400.7028), 31.9eV, 44.739-44.743min, 1/K0=0.696  
Cmpd 9879, +MS2(406.7252), 31.9eV, 43.895-43.901min, 1/K0=0.697 #21517  
Cmpd 9972, +MS2(406.7264), 31.9eV, 44.0min, 1/K0=0.669 #21517  
Cmpd 10573, +MS2(406.7269), 31.9eV, 44.3min, 1/K0=0.697 #21726  
Cmpd 9930, +MS2(406.7271), 31.9eV, 43.9min, 1/K0=0.698 #21506  
Cmpd 10580, +MS2(442.2452), 31.9eV, 44.349-44.350min, 1/K0=0.708  
Cmpd 9884, +MS2(442.2456), 31.9eV, 43.903-43.908min, 1/K0=0.739 #21517  
Cmpd 9913, +MS2(442.2469), 31.9eV, 43.921-43.925min, 1/K0=0.702 #21517  
Cmpd 4403, +MS2(453.7528), 31.9eV, 39.520-39.521min, 1/K0=0.718 #21517  
Cmpd 17208, +MS2(490.7530), 31.9eV, 48.589-48.591min, 1/K0=0.740  
Cmpd 17658, +MS2(490.7532), 31.9eV, 48.8min, 1/K0=0.739 #24113  
Cmpd 39674, +MS2(496.7193), 31.9eV, 59.625-59.628min, 1/K0=0.741  
Cmpd 42092, +MS2(496.7202), 31.9eV, 60.6min, 1/K0=0.734 #30339  
Cmpd 48109, +MS2(496.7208), 31.9eV, 62.99-63.01min, 1/K0=0.742 #30339  
Cmpd 45887, +MS2(496.7215), 31.9eV, 62.117-62.119min, 1/K0=0.738  
Cmpd 39808, +MS2(496.7215), 31.9eV, 59.7min, 1/K0=0.740 #29855  
Cmpd 50435, +MS2(496.7216), 31.9eV, 63.9min, 1/K0=0.740 #32111  
Cmpd 50812, +MS2(496.7216), 31.9eV, 64.1min, 1/K0=0.742 #32187  
Cmpd 49101, +MS2(496.7217), 31.9eV, 63.41-63.42min, 1/K0=0.738 #32409  
Cmpd 51808, +MS2(496.7219), 31.9eV, 64.5min, 1/K0=0.741 #32409  
Cmpd 41060, +MS2(496.7223), 31.9eV, 60.2min, 1/K0=0.739 #30119  
Cmpd 4488, +MS2(504.2779), 31.9eV, 39.6min, 1/K0=0.764 #19185  
Cmpd 9897, +MS2(506.7651), 31.9eV, 43.910-43.912min, 1/K0=0.758 #21528  
Cmpd 10015, +MS2(506.7669), 31.9eV, 44.0min, 1/K0=0.742 #21528  
Cmpd 10330, +MS2(506.7672), 31.9eV, 44.2min, 1/K0=0.762 #21638  
Cmpd 33036, +MS2(512.2441), 31.9eV, 56.8min, 1/K0=0.750 #28326  
Cmpd 31755, +MS2(525.2814), 31.9eV, 56.2min, 1/K0=0.785 #28040  
Cmpd 48255, +MS2(530.8083), 31.9eV, 63.1min, 1/K0=0.779 #31637  
Cmpd 47140, +MS2(530.8091), 31.9eV, 62.6min, 1/K0=0.779 #31418  
Cmpd 11757, +MS2(538.7358), 31.9eV, 45.134-45.138min, 1/K0=0.784  
Cmpd 10038, +MS2(542.2855), 31.9eV, 44.0min, 1/K0=0.779 #21531  
Cmpd 39911, +MS2(553.2643), 31.9eV, 59.725-59.727min, 1/K0=0.789  
Cmpd 4834, +MS2(554.7996), 31.9eV, 39.9min, 1/K0=0.807 #19361  
Cmpd 4279, +MS2(554.7999), 31.9eV, 39.420-39.424min, 1/K0=0.805 #19802  
Cmpd 5696, +MS2(554.8002), 31.9eV, 40.7min, 1/K0=0.805 #19802  
Cmpd 5225, +MS2(554.8005), 31.9eV, 40.3min, 1/K0=0.805 #19581  
Cmpd 6127, +MS2(554.8007), 31.9eV, 41.1min, 1/K0=0.803 #20021  
Cmpd 4368, +MS2(554.8010), 31.9eV, 39.5min, 1/K0=0.808 #19141  
Cmpd 4316, +MS2(554.8015), 31.9eV, 39.5min, 1/K0=0.807 #19120  
Cmpd 6590, +MS2(554.8017), 31.9eV, 41.6min, 1/K0=0.805 #20242  
Cmpd 7128, +MS2(554.8029), 31.9eV, 41.969-41.971min, 1/K0=0.801 #21035  
Cmpd 21035, +MS2(560.7687), 31.9eV, 50.7min, 1/K0=0.794 #25103  
Cmpd 26777, +MS2(560.7689), 31.9eV, 53.7min, 1/K0=0.790 #26676  
Cmpd 21953, +MS2(560.7690), 31.9eV, 51.1min, 1/K0=0.800 #25323

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Cmpd 32859, +MS2(560.7692), 31.9eV, 56.7min, 1/K0=0.804 #28293  
Cmpd 22637, +MS2(560.7699), 31.9eV, 51.5min, 1/K0=0.802 #25543  
Cmpd 32727, +MS2(560.7702), 31.9eV, 56.7min, 1/K0=0.806 #28262  
Cmpd 35804, +MS2(560.7702), 31.9eV, 58.0min, 1/K0=0.789 #28953  
Cmpd 29948, +MS2(560.7708), 31.9eV, 55.4min, 1/K0=0.791 #27568  
Cmpd 23374, +MS2(560.7711), 31.9eV, 51.9min, 1/K0=0.797 #25763  
Cmpd 20966, +MS2(560.7713), 31.9eV, 50.667-50.669min, 1/K0=0.794  
Cmpd 28307, +MS2(560.7715), 31.9eV, 54.504-54.506min, 1/K0=0.793  
Cmpd 20997, +MS2(560.7716), 31.9eV, 50.7min, 1/K0=0.791 #25093  
Cmpd 33792, +MS2(560.7718), 31.9eV, 57.1min, 1/K0=0.793 #28514  
Cmpd 29118, +MS2(560.7725), 31.9eV, 54.939-54.941min, 1/K0=0.791  
Cmpd 11112, +MS2(570.7959), 31.9eV, 44.7min, 1/K0=0.810 #21935  
Cmpd 10541, +MS2(570.7960), 31.9eV, 44.3min, 1/K0=0.805 #21715  
Cmpd 11789, +MS2(570.7958), 31.9eV, 45.2min, 1/K0=0.813 #22157  
Cmpd 10906, +MS2(570.7964), 31.9eV, 44.6min, 1/K0=0.789 #21858  
Cmpd 9896, +MS2(570.7966), 31.9eV, 43.9min, 1/K0=0.805 #21495  
Cmpd 48303, +MS2(579.3332), 31.9eV, 63.1min, 1/K0=0.814 #31648  
Cmpd 59825, +MS2(579.3340), 31.9eV, 67.56-67.57min, 1/K0=0.818 #4  
Cmpd 47071, +MS2(579.3348), 31.9eV, 62.6min, 1/K0=0.818 #31406  
Cmpd 35850, +MS2(579.3349), 31.9eV, 58.0min, 1/K0=0.810 #28964  
Cmpd 47082, +MS2(579.3351), 31.9eV, 62.6min, 1/K0=0.836 #31407  
Cmpd 35660, +MS2(579.3354), 31.9eV, 57.9min, 1/K0=0.832 #28921  
Cmpd 50312, +MS2(579.3362), 31.9eV, 63.9min, 1/K0=0.839 #32089  
Cmpd 46437, +MS2(579.3361), 31.9eV, 62.366-62.368min, 1/K0=0.824  
Cmpd 103819, +MS2(584.7752), 31.9eV, 83.8min, 1/K0=0.827 #42573  
Cmpd 103789, +MS2(584.7754), 31.9eV, 83.804-83.805min, 1/K0=0.82  
Cmpd 111587, +MS2(584.7756), 31.9eV, 86.0min, 1/K0=0.831 #43693  
Cmpd 104053, +MS2(584.7761), 31.9eV, 83.9min, 1/K0=0.829 #42615  
Cmpd 104285, +MS2(584.7767), 31.9eV, 84.0min, 1/K0=0.853 #42660  
Cmpd 103946, +MS2(584.7767), 31.9eV, 83.853-83.855min, 1/K0=0.85  
Cmpd 105238, +MS2(584.7769), 31.9eV, 84.311-84.315min, 1/K0=0.82  
Cmpd 46023, +MS2(584.7787), 31.9eV, 62.2min, 1/K0=0.833 #31175  
Cmpd 45790, +MS2(584.7796), 31.9eV, 62.076-62.085min, 1/K0=0.832  
Cmpd 45909, +MS2(584.7804), 37.0eV, 62.128-62.130min, 1/K0=0.859  
Cmpd 31904, +MS2(590.8017), 31.9eV, 56.3min, 1/K0=0.839 #28073  
Cmpd 31754, +MS2(590.8030), 31.9eV, 56.2min, 1/K0=0.839 #28040  
Cmpd 32865, +MS2(590.8031), 31.9eV, 56.7min, 1/K0=0.840 #28294  
Cmpd 33781, +MS2(590.8045), 31.9eV, 57.1min, 1/K0=0.839 #28513  
Cmpd 15209, +MS2(598.8006), 31.9eV, 47.3min, 1/K0=0.836 #23311  
Cmpd 33134, +MS2(617.3115), 31.9eV, 56.8min, 1/K0=0.840 #28348  
Cmpd 21040, +MS2(617.3118), 31.9eV, 50.705-50.714min, 1/K0=0.832  
Cmpd 32764, +MS2(617.3125), 31.9eV, 56.7min, 1/K0=0.835 #28271  
Cmpd 32916, +MS2(617.3130), 31.9eV, 56.7min, 1/K0=0.837 #28304  
Cmpd 34083, +MS2(617.3130), 31.9eV, 57.2min, 1/K0=0.837 #28570  
Cmpd 21243, +MS2(617.3134), 37.0eV, 50.8min, 1/K0=0.859 #25137  
Cmpd 32997, +MS2(617.3133), 31.9eV, 56.8min, 1/K0=0.814 #28318  
Cmpd 21090, +MS2(617.3157), 31.9eV, 50.7min, 1/K0=0.835 #25114  
Cmpd 47130, +MS2(629.8592), 31.9eV, 62.6min, 1/K0=0.851 #31417

	Cmpd 34366, +MS2(629.8595), 37.0eV, 57.312-57.313min, 1/K0=0.864
	Cmpd 34371, +MS2(629.8595), 31.9eV, 57.3min, 1/K0=0.839 #28607
	Cmpd 48472, +MS2(629.8599), 37.0eV, 63.1min, 1/K0=0.863 #31682
	Cmpd 35765, +MS2(629.8603), 31.9eV, 57.955-57.957min, 1/K0=0.842
	Cmpd 47400, +MS2(629.8622), 37.0eV, 62.7min, 1/K0=0.865 #31461
	Cmpd 29117, +MS2(631.3005), 31.9eV, 54.9min, 1/K0=0.847 #27349
	Cmpd 29211, +MS2(631.3014), 31.9eV, 54.977-54.983min, 1/K0=0.795
	Cmpd 32858, +MS2(634.3201), 37.0eV, 56.7min, 1/K0=0.868 #28293
	Cmpd 31915, +MS2(634.3202), 37.0eV, 56.3min, 1/K0=0.859 #28075
	Cmpd 31909, +MS2(634.3206), 37.0eV, 56.3min, 1/K0=0.871 #28074
	Cmpd 33441, +MS2(634.3215), 37.0eV, 57.0min, 1/K0=0.886 #28426
	Cmpd 31760, +MS2(634.3215), 37.0eV, 56.2min, 1/K0=0.868 #28041
	Cmpd 31965, +MS2(634.3215), 37.0eV, 56.3min, 1/K0=0.884 #28085
	Cmpd 103903, +MS2(635.3006), 37.0eV, 83.840-83.842min, 1/K0=0.86
	Cmpd 111623, +MS2(635.3008), 37.0eV, 86.0min, 1/K0=0.863 #43696
	Cmpd 104066, +MS2(635.3018), 37.0eV, 83.9min, 1/K0=0.867 #42617
	Cmpd 103852, +MS2(635.3026), 37.0eV, 83.825-83.827min, 1/K0=0.86
0.02000000000.0	Cmpd 14560, +MS2(642.3166), 37.0eV, 46.9min, 1/K0=0.868 #23090
0.02000000000.0	Cmpd 15006, +MS2(642.3178), 37.0eV, 47.204-47.206min, 1/K0=0.886
0.02000000000.0	Cmpd 15199, +MS2(642.3168), 37.0eV, 47.3min, 1/K0=0.875 #23310
0.02000000000.0	Cmpd 16302, +MS2(642.3167), 37.0eV, 48.010-48.013min, 1/K0=0.877
	Cmpd 21744, +MS2(673.8511), 31.9eV, 50.964-50.969min, 1/K0=0.808
	Cmpd 33143, +MS2(673.8544), 31.9eV, 56.83-56.84min, 1/K0=0.818 #
	Cmpd 21152, +MS2(673.8545), 37.0eV, 50.7min, 1/K0=0.908 #25125
	Cmpd 22247, +MS2(673.8546), 37.0eV, 51.3min, 1/K0=0.911 #25411
	Cmpd 37891, +MS2(673.8548), 37.0eV, 58.839-58.844min, 1/K0=0.904
	Cmpd 22011, +MS2(673.8552), 37.0eV, 51.2min, 1/K0=0.892 #25345
	Cmpd 32810, +MS2(673.8560), 37.0eV, 56.7min, 1/K0=0.902 #28282
	Cmpd 33742, +MS2(673.8562), 37.0eV, 57.1min, 1/K0=0.903 #28502
	Cmpd 32870, +MS2(673.8581), 37.0eV, 56.7min, 1/K0=0.882 #28295
	Cmpd 21034, +MS2(673.8592), 37.0eV, 50.7min, 1/K0=0.902 #25103
	Cmpd 44793, +MS2(679.8245), 37.0eV, 61.6min, 1/K0=0.874 #30891
	Cmpd 30825, +MS2(679.8259), 37.0eV, 55.8min, 1/K0=0.874 #27789
	Cmpd 29218, +MS2(679.8260), 37.0eV, 55.0min, 1/K0=0.901 #27370
	Cmpd 29017, +MS2(679.8260), 37.0eV, 54.9min, 1/K0=0.876 #27326
	Cmpd 29106, +MS2(679.8275), 37.0eV, 54.9min, 1/K0=0.877 #27347
	Cmpd 29939, +MS2(679.8283), 37.0eV, 55.4min, 1/K0=0.873 #27567
	Cmpd 45336, +MS2(679.8290), 37.0eV, 61.9min, 1/K0=0.896 #31010
	Cmpd 45106, +MS2(679.8293), 37.0eV, 61.8min, 1/K0=0.877 #30956
	Cmpd 47198, +MS2(695.3804), 37.0eV, 62.7min, 1/K0=0.921 #31429
	Cmpd 47190, +MS2(695.3804), 37.0eV, 62.7min, 1/K0=0.890 #31428
	Cmpd 48301, +MS2(695.3808), 37.0eV, 63.1min, 1/K0=0.929 #31648
	Cmpd 49291, +MS2(695.3811), 37.0eV, 63.5min, 1/K0=0.930 #31868
	Cmpd 49292, +MS2(695.3814), 37.0eV, 63.5min, 1/K0=0.884 #31868
	Cmpd 50311, +MS2(695.3815), 37.0eV, 63.9min, 1/K0=0.887 #32089
	Cmpd 48302, +MS2(695.3840), 37.0eV, 63.1min, 1/K0=0.882 #31648
0.200000000000.0	Cmpd 35848, +MS2(703.3773), 37.0eV, 58.0min, 1/K0=0.915 #28964
0.200000000000.0	Cmpd 36177, +MS2(703.3790), 37.0eV, 58.123-58.125min, 1/K0=0.865

	Cmpd 111637, +MS2(708.8368), 37.0eV, 86.0min, 1/K0=0.945 #43699
	Cmpd 45924, +MS2(708.8368), 37.0eV, 62.1min, 1/K0=0.938 #31153
	Cmpd 32255, +MS2(477.5657), 31.9eV, 56.46-56.47min, 1/K0=0.739 #1
	Cmpd 38601, +MS2(715.8487), 37.0eV, 59.1min, 1/K0=0.944 #29569
	Cmpd 39526, +MS2(715.8490), 37.0eV, 59.6min, 1/K0=0.946 #29790
	Cmpd 34918, +MS2(715.8491), 37.0eV, 57.6min, 1/K0=0.935 #28744
	Cmpd 31761, +MS2(715.8503), 31.9eV, 56.25-56.26min, 1/K0=0.798 #1
	Cmpd 36646, +MS2(715.8510), 37.0eV, 58.3min, 1/K0=0.953 #29132
	Cmpd 31799, +MS2(715.8511), 37.0eV, 56.3min, 1/K0=0.949 #28051
	Cmpd 45450, +MS2(715.8512), 37.0eV, 61.919-61.925min, 1/K0=0.942
	Cmpd 31630, +MS2(715.8515), 37.0eV, 56.2min, 1/K0=0.953 #28007
	Cmpd 32070, +MS2(715.8516), 31.9eV, 56.4min, 1/K0=0.833 #28106
	Cmpd 32914, +MS2(715.8518), 37.0eV, 56.7min, 1/K0=0.940 #28304
	Cmpd 33826, +MS2(715.8519), 37.0eV, 57.2min, 1/K0=0.939 #28524
	Cmpd 31957, +MS2(715.8519), 37.0eV, 56.3min, 1/K0=0.928 #28084
	Cmpd 37652, +MS2(715.8521), 37.0eV, 58.7min, 1/K0=0.948 #29351
	Cmpd 31969, +MS2(715.8521), 31.9eV, 56.3min, 1/K0=0.818 #28086
	Cmpd 31820, +MS2(715.8531), 37.0eV, 56.271-56.273min, 1/K0=0.859
	Cmpd 31714, +MS2(715.8531), 37.0eV, 56.2min, 1/K0=0.951 #28029
	Cmpd 31880, +MS2(715.8536), 37.0eV, 56.3min, 1/K0=0.892 #28068
	Cmpd 31989, +MS2(715.8545), 37.0eV, 56.341-56.343min, 1/K0=0.897
	Cmpd 50378, +MS2(723.3927), 37.0eV, 63.9min, 1/K0=0.929 #32101
	Cmpd 50717, +MS2(723.3929), 37.0eV, 64.1min, 1/K0=0.904 #32166
	Cmpd 50550, +MS2(723.3938), 37.0eV, 64.0min, 1/K0=0.927 #32133
0.002000000000.0	Cmpd 14470, +MS2(482.8997), 31.9eV, 46.85-46.86min, 1/K0=0.731 #1
0.002000000000.0	Cmpd 31813, +MS2(723.8465), 37.0eV, 56.269-56.273min, 1/K0=0.963
0.002000000000.0	Cmpd 26714, +MS2(723.8469), 37.0eV, 53.6min, 1/K0=0.927 #26654
0.002000000000.0	Cmpd 33892, +MS2(723.8473), 37.0eV, 57.186-57.188min, 1/K0=0.931
0.002000000000.0	Cmpd 15805, +MS2(723.8471), 37.0eV, 47.7min, 1/K0=0.925 #23530
0.002000000000.0	Cmpd 14418, +MS2(723.8472), 37.0eV, 46.815-46.822min, 1/K0=0.924
0.002000000000.0	Cmpd 17773, +MS2(723.8474), 37.0eV, 48.9min, 1/K0=0.925 #24146
0.002000000000.0	Cmpd 14467, +MS2(723.8474), 37.0eV, 46.8min, 1/K0=0.924 #23057
0.002000000000.0	Cmpd 29832, +MS2(723.8476), 37.0eV, 55.3min, 1/K0=0.933 #27535
0.002000000000.0	Cmpd 16033, +MS2(723.8475), 37.0eV, 47.862-47.870min, 1/K0=0.944
0.002000000000.0	Cmpd 17060, +MS2(723.8478), 37.0eV, 48.5min, 1/K0=0.923 #23926
0.002000000000.0	Cmpd 16366, +MS2(723.8477), 37.0eV, 48.0min, 1/K0=0.938 #23695
0.002000000000.0	Cmpd 27487, +MS2(723.8481), 37.0eV, 54.0min, 1/K0=0.935 #26874
0.002000000000.0	Cmpd 33815, +MS2(723.8483), 37.0eV, 57.154-57.158min, 1/K0=0.946
0.002000000000.0	Cmpd 31501, +MS2(723.8483), 37.0eV, 56.1min, 1/K0=0.946 #27974
0.002000000000.0	Cmpd 14559, +MS2(723.8485), 37.0eV, 46.9min, 1/K0=0.925 #23090
0.002000000000.0	Cmpd 19225, +MS2(723.8492), 37.0eV, 49.7min, 1/K0=0.939 #24587
0.002000000000.0	Cmpd 31903, +MS2(723.8503), 37.0eV, 56.3min, 1/K0=0.927 #28073
0.002000000000.0	Cmpd 15198, +MS2(723.8510), 37.0eV, 47.3min, 1/K0=0.927 #23310
0.002000000000.0	Cmpd 15015, +MS2(723.8523), 37.0eV, 47.213-47.219min, 1/K0=0.894
	Cmpd 32728, +MS2(492.2684), 31.9eV, 56.664-56.666min, 1/K0=0.728
	Cmpd 33089, +MS2(492.2698), 31.9eV, 56.8min, 1/K0=0.739 #28337
	Cmpd 32931, +MS2(737.9031), 37.0eV, 56.7min, 1/K0=0.930 #28306
	Cmpd 32784, +MS2(737.9039), 37.0eV, 56.689-56.693min, 1/K0=0.925



Cmpd 11299, +MS2(743.3739), 37.0eV, 44.9min, 1/K0=0.890 #22001  
Cmpd 11266, +MS2(743.3746), 37.0eV, 44.8min, 1/K0=0.894 #21990  
Cmpd 11141, +MS2(743.3750), 37.0eV, 44.8min, 1/K0=0.913 #21946  
Cmpd 45895, +MS2(744.3557), 37.0eV, 62.1min, 1/K0=0.957 #31145  
Cmpd 111650, +MS2(744.3576), 37.0eV, 85.987-85.989min, 1/K0=0.94  
Cmpd 104022, +MS2(744.3594), 37.0eV, 83.882-83.884min, 1/K0=0.95  
Cmpd 43412, +MS2(769.8753), 37.0eV, 61.185-61.189min, 1/K0=0.962  
Cmpd 42977, +MS2(769.8747), 37.0eV, 61.0min, 1/K0=0.938 #30548  
Cmpd 45725, +MS2(772.8650), 37.0eV, 62.053-62.057min, 1/K0=0.984  
Cmpd 46854, +MS2(772.8662), 37.0eV, 62.533-62.537min, 1/K0=0.987  
Cmpd 45876, +MS2(772.8666), 37.0eV, 62.1min, 1/K0=0.984 #31142  
Cmpd 103928, +MS2(772.8685), 37.0eV, 83.8min, 1/K0=0.989 #42593  
Cmpd 111645, +MS2(772.8691), 37.0eV, 85.985-85.991min, 1/K0=0.97  
Cmpd 111649, +MS2(772.8697), 37.0eV, 85.987-85.989min, 1/K0=0.99  
Cmpd 34868, +MS2(525.2913), 31.9eV, 57.6min, 1/K0=0.750 #28733  
Cmpd 32860, +MS2(525.2920), 31.9eV, 56.7min, 1/K0=0.748 #28293  
Cmpd 32675, +MS2(525.2920), 31.9eV, 56.6min, 1/K0=0.748 #28250  
Cmpd 33782, +MS2(525.2924), 31.9eV, 57.1min, 1/K0=0.750 #28513  
Cmpd 32856, +MS2(787.4373), 37.0eV, 56.7min, 1/K0=0.967 #28293  
Cmpd 106013, +MS2(547.9268), 31.9eV, 84.559-84.561min, 1/K0=0.77  
Cmpd 108992, +MS2(547.9254), 31.9eV, 85.325-85.329min, 1/K0=0.75  
Cmpd 104276, +MS2(547.9228), 31.9eV, 83.976-83.979min, 1/K0=0.78  
Cmpd 111588, +MS2(547.9261), 31.9eV, 86.0min, 1/K0=0.749 #43693  
Cmpd 103804, +MS2(547.9258), 31.9eV, 83.8min, 1/K0=0.749 #42571  
Cmpd 104054, +MS2(547.9261), 31.9eV, 83.9min, 1/K0=0.750 #42615  
Cmpd 111752, +MS2(547.9263), 31.9eV, 86.0min, 1/K0=0.749 #43715  
Cmpd 111850, +MS2(547.9263), 31.9eV, 86.038-86.039min, 1/K0=0.77  
Cmpd 103686, +MS2(547.9264), 31.9eV, 83.765-83.767min, 1/K0=0.75  
Cmpd 105239, +MS2(547.9266), 31.9eV, 84.3min, 1/K0=0.749 #42835  
Cmpd 103663, +MS2(547.9228), 31.9eV, 83.758-83.764min, 1/K0=0.74  
Cmpd 45831, +MS2(547.9275), 31.9eV, 62.1min, 1/K0=0.753 #31131  
Cmpd 45687, +MS2(547.9287), 31.9eV, 62.0min, 1/K0=0.753 #31098  
Cmpd 103601, +MS2(547.9288), 31.9eV, 83.736-83.742min, 1/K0=0.74  
Cmpd 45610, +MS2(547.9289), 31.9eV, 61.993-61.995min, 1/K0=0.753  
Cmpd 46794, +MS2(547.9289), 31.9eV, 62.5min, 1/K0=0.751 #31351  
Cmpd 45976, +MS2(547.9289), 31.9eV, 62.2min, 1/K0=0.724 #31164  
Cmpd 45837, +MS2(547.9290), 31.9eV, 62.1min, 1/K0=0.778 #31132  
Cmpd 47948, +MS2(547.9291), 31.9eV, 62.9min, 1/K0=0.750 #31571  
Cmpd 45879, +MS2(547.9293), 31.9eV, 62.1min, 1/K0=0.779 #31142  
Cmpd 45780, +MS2(821.3928), 37.0eV, 62.1min, 1/K0=0.979 #31120  
Cmpd 46021, +MS2(821.3931), 37.0eV, 62.2min, 1/K0=0.980 #31175  
Cmpd 106096, +MS2(547.9206), 31.9eV, 84.581-84.583min, 1/K0=0.77  
Cmpd 113202, +MS2(821.3941), 37.0eV, 86.4min, 1/K0=0.987 #43902  
Cmpd 104114, +MS2(821.3944), 37.0eV, 83.9min, 1/K0=1.008 #42627  
Cmpd 113039, +MS2(821.3947), 37.0eV, 86.3min, 1/K0=0.976 #43881  
Cmpd 111671, +MS2(821.3954), 37.0eV, 86.0min, 1/K0=0.961 #43704  
Cmpd 111496, +MS2(821.3956), 37.0eV, 86.0min, 1/K0=0.993 #43682  
Cmpd 111585, +MS2(821.3958), 37.0eV, 86.0min, 1/K0=0.993 #43693

Cmpd 103990, +MS2(821.3959), 37.0eV, 83.9min, 1/K0=0.982 #42604  
Cmpd 111481, +MS2(821.3967), 37.0eV, 85.947-85.948min, 1/K0=0.99  
Cmpd 11923, +MS2(581.6343), 31.9eV, 45.256-45.258min, 1/K0=0.777  
Cmpd 12093, +MS2(581.6341), 31.9eV, 45.4min, 1/K0=0.772 #22276  
Cmpd 104126, +MS2(585.6231), 31.9eV, 83.917-83.918min, 1/K0=0.79  
Cmpd 111596, +MS2(877.9362), 37.0eV, 86.0min, 1/K0=1.039 #43694  
Cmpd 111544, +MS2(877.9414), 37.0eV, 85.962-85.964min, 1/K0=1.03  
Cmpd 111942, +MS2(880.8978), 37.0eV, 86.1min, 1/K0=1.025 #43739  
Cmpd 121738, +MS2(880.8979), 37.0eV, 88.568-88.574min, 1/K0=1.01  
Cmpd 44948, +MS2(894.9121), 37.0eV, 61.7min, 1/K0=1.013 #30923  
Cmpd 48001, +MS2(921.4517), 42.0eV, 62.948-62.950min, 1/K0=1.088  
Cmpd 45723, +MS2(921.4504), 42.0eV, 62.1min, 1/K0=1.085 #31109  
Cmpd 111494, +MS2(921.4522), 42.0eV, 86.0min, 1/K0=1.102 #43682  
Cmpd 45644, +MS2(921.4528), 42.0eV, 62.012-62.013min, 1/K0=1.087  
Cmpd 45874, +MS2(921.4528), 42.0eV, 62.1min, 1/K0=1.084 #31142  
Cmpd 111669, +MS2(921.4534), 42.0eV, 86.0min, 1/K0=1.104 #43704  
Cmpd 111716, +MS2(921.4544), 37.0eV, 86.005-86.007min, 1/K0=1.05  
Cmpd 55247, +MS2(620.6411), 31.9eV, 65.8min, 1/K0=0.809 #33101  
Cmpd 111508, +MS2(994.9888), 42.0eV, 86.0min, 1/K0=1.104 #43683  
Cmpd 111682, +MS2(994.9877), 42.0eV, 86.0min, 1/K0=1.109 #43705  
Cmpd 38990, +MS2(681.9985), 31.9eV, 59.318-59.322min, 1/K0=0.795  
Cmpd 37071, +MS2(681.9977), 31.9eV, 58.474-58.475min, 1/K0=0.791  
Cmpd 32980, +MS2(681.9996), 31.9eV, 56.8min, 1/K0=0.803 #28315  
Cmpd 35982, +MS2(681.9982), 31.9eV, 58.055-58.057min, 1/K0=0.791  
Cmpd 31716, +MS2(681.9995), 31.9eV, 56.223-56.225min, 1/K0=0.811  
Cmpd 29253, +MS2(681.9983), 31.9eV, 55.0min, 1/K0=0.807 #27380  
Cmpd 32014, +MS2(681.9996), 31.9eV, 56.3min, 1/K0=0.796 #28095  
Cmpd 28969, +MS2(682.0001), 31.9eV, 54.873-54.877min, 1/K0=0.781  
Cmpd 29419, +MS2(681.9997), 31.9eV, 55.1min, 1/K0=0.791 #27424  
Cmpd 33882, +MS2(682.0004), 31.9eV, 57.2min, 1/K0=0.799 #28536  
Cmpd 30569, +MS2(682.0000), 31.9eV, 55.6min, 1/K0=0.781 #27721  
Cmpd 31147, +MS2(682.0002), 31.9eV, 55.9min, 1/K0=0.796 #27875  
Cmpd 28975, +MS2(681.9987), 31.9eV, 54.9min, 1/K0=0.797 #27315  
Cmpd 30255, +MS2(682.0015), 31.9eV, 55.5min, 1/K0=0.797 #27644  
Cmpd 29248, +MS2(1022.4987), 42.0eV, 55.0min, 1/K0=1.085 #27380  
Cmpd 29070, +MS2(682.0016), 31.9eV, 54.9min, 1/K0=0.782 #27338  
Cmpd 29056, +MS2(682.0018), 31.9eV, 54.9min, 1/K0=0.798 #27336  
Cmpd 111734, +MS2(701.3510), 31.9eV, 86.010-86.012min, 1/K0=0.85  
Cmpd 111583, +MS2(1051.5283), 42.0eV, 86.0min, 1/K0=1.144 #43695  
Cmpd 68087, +MS2(741.6975), 37.0eV, 70.64-70.66min, 1/K0=0.883 #43695  
Cmpd 111696, +MS2(767.3957), 31.9eV, 85.997-85.999min, 1/K0=0.83  
Cmpd 111582, +MS2(1150.5967), 42.0eV, 86.0min, 1/K0=1.208 #43695  
Cmpd 67862, +MS2(774.0494), 37.0eV, 70.571-70.573min, 1/K0=0.881  
Cmpd 68003, +MS2(774.0485), 31.9eV, 70.620-70.624min, 1/K0=0.841  
Cmpd 68142, +MS2(774.0475), 37.0eV, 70.7min, 1/K0=0.889 #35652  
Cmpd 68474, +MS2(774.0485), 37.0eV, 70.768-70.770min, 1/K0=0.857  
Cmpd 103955, +MS2(810.0969), 37.0eV, 83.857-83.861min, 1/K0=0.92  
Cmpd 103851, +MS2(810.0989), 37.0eV, 83.825-83.827min, 1/K0=0.95

	Cmpd 104074, +MS2(810.0987), 37.0eV, 83.897-83.899min, 1/K0=0.90
	Cmpd 103800, +MS2(810.0995), 37.0eV, 83.8min, 1/K0=0.996 #42571
	Cmpd 104328, +MS2(810.0991), 37.0eV, 84.0min, 1/K0=0.942 #42670
	Cmpd 105251, +MS2(810.1003), 37.0eV, 84.3min, 1/K0=0.993 #42837
	Cmpd 104107, +MS2(810.1005), 37.0eV, 83.9min, 1/K0=0.966 #42626
	Cmpd 104050, +MS2(810.1008), 37.0eV, 83.9min, 1/K0=1.000 #42615
	Cmpd 103695, +MS2(810.1029), 37.0eV, 83.769-83.771min, 1/K0=0.99
	Cmpd 46443, +MS2(514.2261), 31.9eV, 62.370-62.372min, 1/K0=0.741
	Cmpd 46639, +MS2(514.2275), 31.9eV, 62.4min, 1/K0=0.738 #31318
0.2000000000.0	Cmpd 3063, +MS2(531.2469), 31.9eV, 38.2min, 1/K0=0.760 #18437
0.2000000000.0	Cmpd 2731, +MS2(531.2473), 31.9eV, 37.9min, 1/K0=0.777 #18272
0.2000000000.0	Cmpd 2503, +MS2(531.2471), 31.9eV, 37.6min, 1/K0=0.758 #18140
0.2000000000.0	Cmpd 2034, +MS2(531.2475), 31.9eV, 37.2min, 1/K0=0.758 #17920
0.2000000000.0	Cmpd 5102, +MS2(531.2476), 31.9eV, 40.2min, 1/K0=0.776 #19516
	Cmpd 7491, +MS2(557.7637), 31.9eV, 42.2min, 1/K0=0.793 #20582
	Cmpd 7322, +MS2(557.7650), 31.9eV, 42.1min, 1/K0=0.802 #20527
	Cmpd 7925, +MS2(557.7650), 31.9eV, 42.5min, 1/K0=0.806 #20748
	Cmpd 9722, +MS2(557.7657), 31.9eV, 43.768-43.770min, 1/K0=0.810 #20968
	Cmpd 8507, +MS2(557.7661), 31.9eV, 42.9min, 1/K0=0.810 #20968
	Cmpd 7251, +MS2(557.7666), 31.9eV, 42.1min, 1/K0=0.797 #20506
	Cmpd 50791, +MS2(565.2960), 31.9eV, 64.086-64.088min, 1/K0=0.804
	Cmpd 46610, +MS2(579.7497), 31.9eV, 62.434-62.438min, 1/K0=0.795
	Cmpd 1733, +MS2(587.3082), 31.9eV, 36.8min, 1/K0=0.818 #17711
	Cmpd 35952, +MS2(595.3311), 31.9eV, 58.04-58.05min, 1/K0=0.848 #21209
	Cmpd 11607, +MS2(607.2963), 31.9eV, 45.044-45.045min, 1/K0=0.844
	Cmpd 9189, +MS2(607.2976), 31.9eV, 43.4min, 1/K0=0.844 #21209
	Cmpd 10933, +MS2(607.2981), 31.9eV, 44.613-44.615min, 1/K0=0.842
	Cmpd 9740, +MS2(607.2985), 31.9eV, 43.8min, 1/K0=0.846 #21429
	Cmpd 7917, +MS2(607.2986), 31.9eV, 42.5min, 1/K0=0.847 #20747
	Cmpd 8533, +MS2(607.2985), 37.0eV, 42.939-42.941min, 1/K0=0.865 #20747
	Cmpd 10362, +MS2(607.2988), 31.9eV, 44.200-44.202min, 1/K0=0.841
	Cmpd 8276, +MS2(607.2990), 37.0eV, 42.8min, 1/K0=0.863 #20880
	Cmpd 8635, +MS2(607.2991), 31.9eV, 43.026-43.027min, 1/K0=0.827 #20880
	Cmpd 8561, +MS2(607.2991), 31.9eV, 43.0min, 1/K0=0.848 #20989
	Cmpd 7321, +MS2(607.2994), 37.0eV, 42.1min, 1/K0=0.858 #20527
	Cmpd 13459, +MS2(607.3005), 31.9eV, 46.255-46.263min, 1/K0=0.843
	Cmpd 14456, +MS2(607.3012), 31.9eV, 46.843-46.847min, 1/K0=0.846
	Cmpd 7250, +MS2(607.3014), 31.9eV, 42.1min, 1/K0=0.854 #20506
	Cmpd 46793, +MS2(608.2591), 31.9eV, 62.5min, 1/K0=0.802 #31351
	Cmpd 46489, +MS2(608.2597), 31.9eV, 62.4min, 1/K0=0.805 #31287
0.0200000000000.0	Cmpd 28021, +MS2(616.2557), 31.9eV, 54.347-54.351min, 1/K0=0.800
0.0200000000000.0	Cmpd 27958, +MS2(616.2593), 31.9eV, 54.3min, 1/K0=0.800 #27019
	Cmpd 118146, +MS2(647.8421), 37.0eV, 87.638-87.640min, 1/K0=0.87
	Cmpd 36129, +MS2(652.8446), 37.0eV, 58.10-58.12min, 1/K0=0.871 #29003
	Cmpd 36016, +MS2(652.8455), 37.0eV, 58.1min, 1/K0=0.869 #29003
	Cmpd 48935, +MS2(665.7732), 31.9eV, 63.3min, 1/K0=0.846 #31786
	Cmpd 46532, +MS2(665.7742), 31.9eV, 62.4min, 1/K0=0.841 #31297
0.00200000000000.0	Cmpd 27906, +MS2(673.7702), 31.9eV, 54.294-54.296min, 1/K0=0.841

	Cmpd 46480, +MS2(701.2934), 37.0eV, 62.4min, 1/K0=0.877 #31286
	Cmpd 48655, +MS2(701.2936), 37.0eV, 63.2min, 1/K0=0.872 #31725
	Cmpd 47674, +MS2(701.2940), 37.0eV, 62.8min, 1/K0=0.869 #31507
	Cmpd 46374, +MS2(701.2943), 37.0eV, 62.338-62.340min, 1/K0=0.879
	Cmpd 50585, +MS2(701.2942), 37.0eV, 64.0min, 1/K0=0.871 #32140
0.000200000000000.0	Cmpd 46817, +MS2(709.2896), 37.0eV, 62.516-62.518min, 1/K0=0.859
0.000200000000000.0	Cmpd 27835, +MS2(709.2897), 37.0eV, 54.262-54.264min, 1/K0=0.862
	Cmpd 47662, +MS2(750.8264), 37.0eV, 62.8min, 1/K0=0.918 #31505
	Cmpd 46339, +MS2(750.8280), 37.0eV, 62.3min, 1/K0=0.915 #31252
	Cmpd 49678, +MS2(750.8280), 37.0eV, 63.641-63.643min, 1/K0=0.925
	Cmpd 46471, +MS2(750.8281), 37.0eV, 62.4min, 1/K0=0.917 #31285
	Cmpd 48654, +MS2(750.8290), 37.0eV, 63.2min, 1/K0=0.916 #31725
0.0000200000000000.0	Cmpd 28758, +MS2(758.8206), 37.0eV, 54.764-54.767min, 1/K0=0.908
0.0000200000000000.0	Cmpd 27999, +MS2(758.8231), 37.0eV, 54.3min, 1/K0=0.907 #27029
0.0000200000000000.0	Cmpd 27834, +MS2(758.8238), 37.0eV, 54.262-54.264min, 1/K0=0.908
0.0000200000000000.0	Cmpd 46653, +MS2(758.8268), 37.0eV, 62.454-62.455min, 1/K0=0.905
	Cmpd 63637, +MS2(773.8731), 37.0eV, 69.056-69.066min, 1/K0=0.964
	Cmpd 54368, +MS2(782.3902), 37.0eV, 65.493-65.497min, 1/K0=0.987
	Cmpd 42333, +MS2(784.3821), 37.0eV, 60.7min, 1/K0=0.943 #30394
	Cmpd 42265, +MS2(784.3829), 37.0eV, 60.669-60.671min, 1/K0=0.957
	Cmpd 41977, +MS2(784.3847), 37.0eV, 60.554-60.559min, 1/K0=0.944
	Cmpd 115679, +MS2(802.9320), 37.0eV, 87.0min, 1/K0=1.005 #44223
	Cmpd 46457, +MS2(538.5784), 31.9eV, 62.380-62.381min, 1/K0=0.726
	Cmpd 46527, +MS2(538.5790), 31.9eV, 62.406-62.408min, 1/K0=0.723
	Cmpd 47661, +MS2(807.3668), 37.0eV, 62.8min, 1/K0=0.962 #31505
	Cmpd 48653, +MS2(807.3674), 37.0eV, 63.2min, 1/K0=0.966 #31725
	Cmpd 46383, +MS2(807.3692), 37.0eV, 62.3min, 1/K0=0.964 #31263
	Cmpd 53302, +MS2(807.3698), 37.0eV, 65.068-65.072min, 1/K0=0.968
	Cmpd 46470, +MS2(807.3702), 37.0eV, 62.4min, 1/K0=0.965 #31285
	Cmpd 46303, +MS2(807.3687), 37.0eV, 62.304-62.306min, 1/K0=0.963
0.00000200000000000.0	Cmpd 27748, +MS2(815.3601), 37.0eV, 54.213-54.217min, 1/K0=0.948
0.00000200000000000.0	Cmpd 27893, +MS2(815.3644), 37.0eV, 54.3min, 1/K0=0.945 #27006
0.00000200000000000.0	Cmpd 27791, +MS2(815.3652), 37.0eV, 54.241-54.245min, 1/K0=0.944
	Cmpd 81253, +MS2(831.3855), 37.0eV, 75.4min, 1/K0=1.002 #38128
	Cmpd 82016, +MS2(831.3892), 37.0eV, 75.6min, 1/K0=0.995 #38271
	Cmpd 80565, +MS2(831.3896), 37.0eV, 75.1min, 1/K0=0.981 #37997
	Cmpd 80957, +MS2(831.3896), 37.0eV, 75.3min, 1/K0=0.965 #38073
	Cmpd 85284, +MS2(831.3898), 37.0eV, 76.876-76.880min, 1/K0=0.988
	Cmpd 81618, +MS2(831.3905), 37.0eV, 75.497-75.501min, 1/K0=0.962
	Cmpd 88491, +MS2(831.3909), 37.0eV, 78.158-78.160min, 1/K0=0.989
	Cmpd 83020, +MS2(831.3909), 37.0eV, 76.0min, 1/K0=0.977 #38479
	Cmpd 80724, +MS2(831.3934), 37.0eV, 75.2min, 1/K0=0.982 #38028
	Cmpd 80392, +MS2(831.3941), 37.0eV, 75.052-75.054min, 1/K0=0.976
0.000200000000000.0	Cmpd 62479, +MS2(839.3830), 37.0eV, 68.547-68.551min, 1/K0=0.990
0.000200000000000.0	Cmpd 58547, +MS2(839.3805), 37.0eV, 67.089-67.091min, 1/K0=0.980
0.000200000000000.0	Cmpd 58751, +MS2(839.3838), 37.0eV, 67.2min, 1/K0=0.979 #33804
0.000200000000000.0	Cmpd 63453, +MS2(839.3839), 37.0eV, 69.0min, 1/K0=0.985 #34763
0.000200000000000.0	Cmpd 63909, +MS2(839.4004), 37.0eV, 69.2min, 1/K0=0.981 #34861

0.0002000000000000.0	Cmpd 72373, +MS2(839.3858), 37.0eV, 72.2min, 1/K0=0.986 #36455
0.0002000000000000.0	Cmpd 60168, +MS2(839.3857), 37.0eV, 67.7min, 1/K0=0.979 #34090
0.0002000000000000.0	Cmpd 65082, +MS2(839.3895), 37.0eV, 69.600-69.604min, 1/K0=0.973
0.0002000000000000.0	Cmpd 62501, +MS2(839.3862), 37.0eV, 68.555-68.557min, 1/K0=0.987
0.0002000000000000.0	Cmpd 59108, +MS2(839.3869), 37.0eV, 67.3min, 1/K0=0.980 #33870
0.0002000000000000.0	Cmpd 80645, +MS2(839.3872), 37.0eV, 75.148-75.150min, 1/K0=0.980
0.0002000000000000.0	Cmpd 78380, +MS2(839.3879), 37.0eV, 74.346-74.348min, 1/K0=0.983
0.0002000000000000.0	Cmpd 73663, +MS2(839.3874), 37.0eV, 72.65-72.66min, 1/K0=0.988 #3
0.0002000000000000.0	Cmpd 77306, +MS2(839.3901), 37.0eV, 73.940-73.941min, 1/K0=0.989
0.0002000000000000.0	Cmpd 75230, +MS2(839.3881), 37.0eV, 73.226-73.231min, 1/K0=0.981
0.0002000000000000.0	Cmpd 71339, +MS2(839.3922), 37.0eV, 71.776-71.780min, 1/K0=0.978
	Cmpd 36130, +MS2(574.2896), 31.9eV, 58.102-58.104min, 1/K0=0.789
	Cmpd 73619, +MS2(866.3825), 37.0eV, 72.6min, 1/K0=0.990 #36688
	Cmpd 68281, +MS2(866.3844), 37.0eV, 70.7min, 1/K0=0.980 #35674
	Cmpd 67273, +MS2(866.3849), 37.0eV, 70.3min, 1/K0=0.967 #35487
	Cmpd 68423, +MS2(866.3851), 37.0eV, 70.7min, 1/K0=0.995 #35698
	Cmpd 71916, +MS2(866.3860), 37.0eV, 72.0min, 1/K0=0.983 #36356
	Cmpd 67088, +MS2(866.3855), 37.0eV, 70.3min, 1/K0=0.983 #35454
	Cmpd 69524, +MS2(866.3857), 37.0eV, 71.1min, 1/K0=0.985 #35895
	Cmpd 66673, +MS2(866.3859), 37.0eV, 70.155-70.157min, 1/K0=0.981
	Cmpd 67054, +MS2(866.3862), 37.0eV, 70.3min, 1/K0=0.995 #35447
	Cmpd 70831, +MS2(866.3865), 37.0eV, 71.583-71.589min, 1/K0=0.980
	Cmpd 66768, +MS2(866.3870), 37.0eV, 70.2min, 1/K0=0.980 #35400
	Cmpd 36176, +MS2(875.4372), 37.0eV, 58.12-58.14min, 1/K0=1.047 #3
	Cmpd 36144, +MS2(875.4432), 42.0eV, 58.114-58.116min, 1/K0=1.060
	Cmpd 36219, +MS2(875.4444), 42.0eV, 58.140-58.142min, 1/K0=1.059
	Cmpd 57867, +MS2(875.4471), 42.0eV, 66.830-66.834min, 1/K0=1.058
	Cmpd 115742, +MS2(881.9682), 42.0eV, 87.0min, 1/K0=1.063 #44232
	Cmpd 46604, +MS2(592.9342), 31.9eV, 62.433-62.440min, 1/K0=0.754
	Cmpd 46635, +MS2(888.9000), 37.0eV, 62.4min, 1/K0=1.001 #31318
	Cmpd 46444, +MS2(888.9011), 37.0eV, 62.372-62.378min, 1/K0=1.000
	Cmpd 98792, +MS2(909.4215), 37.0eV, 81.971-81.975min, 1/K0=1.007
1.000000000000000000.0	Cmpd 104748, +MS2(909.9101), 37.0eV, 84.1min, 1/K0=1.012 #42747
	Cmpd 54327, +MS2(931.9877), 42.0eV, 65.476-65.482min, 1/K0=1.112
	Cmpd 90804, +MS2(937.9339), 37.0eV, 79.051-79.053min, 1/K0=1.028
	Cmpd 48124, +MS2(641.9561), 31.9eV, 63.00-63.01min, 1/K0=0.777 #3
	Cmpd 51254, +MS2(641.9558), 31.9eV, 64.271-64.273min, 1/K0=0.779
	Cmpd 49161, +MS2(641.9584), 31.9eV, 63.431-63.435min, 1/K0=0.782
	Cmpd 46306, +MS2(641.9579), 31.9eV, 62.3min, 1/K0=0.784 #31243
	Cmpd 46609, +MS2(641.9590), 37.0eV, 62.434-62.438min, 1/K0=0.864
	Cmpd 47803, +MS2(962.4337), 42.0eV, 62.9min, 1/K0=1.071 #31538
	Cmpd 46386, +MS2(641.9587), 31.9eV, 62.3min, 1/K0=0.782 #31263
	Cmpd 50171, +MS2(641.9586), 31.9eV, 63.849-63.851min, 1/K0=0.781
	Cmpd 47409, +MS2(962.4354), 42.0eV, 62.7min, 1/K0=1.059 #31462
	Cmpd 48799, +MS2(962.4328), 42.0eV, 63.3min, 1/K0=1.072 #31758
	Cmpd 46885, +MS2(962.4357), 42.0eV, 62.548-62.550min, 1/K0=1.126
	Cmpd 46336, +MS2(962.4359), 42.0eV, 62.3min, 1/K0=1.069 #31252
	Cmpd 46427, +MS2(962.4365), 42.0eV, 62.4min, 1/K0=1.070 #31274

0.0000000200000000000.0	Cmpd 46634, +MS2(962.4375), 42.0eV, 62.4min, 1/K0=1.072 #31318
0.0000000200000000000.0	Cmpd 50861, +MS2(962.4374), 42.0eV, 64.114-64.120min, 1/K0=1.074
0.0000000200000000000.0	Cmpd 49817, +MS2(962.4377), 42.0eV, 63.7min, 1/K0=1.077 #31978
0.0000000200000000000.0	Cmpd 46826, +MS2(962.4384), 42.0eV, 62.526-62.529min, 1/K0=1.129
0.0000000200000000000.0	Cmpd 46249, +MS2(962.4397), 42.0eV, 62.28-62.30min, 1/K0=1.069 #
0.0000000200000000000.0	Cmpd 52974, +MS2(962.4404), 42.0eV, 64.951-64.954min, 1/K0=1.084
0.0000000200000000000.0	Cmpd 46001, +MS2(647.2877), 31.9eV, 62.170-62.174min, 1/K0=0.780
0.0000000200000000000.0	Cmpd 27864, +MS2(647.2899), 31.9eV, 54.273-54.275min, 1/K0=0.767
0.0000000200000000000.0	Cmpd 27839, +MS2(647.2889), 31.9eV, 54.266-54.269min, 1/K0=0.767
0.0000000200000000000.0	Cmpd 35497, +MS2(970.4294), 37.0eV, 57.847-57.854min, 1/K0=1.051
0.0000000200000000000.0	Cmpd 34657, +MS2(970.4316), 37.0eV, 57.436-57.446min, 1/K0=1.053
0.0000000200000000000.0	Cmpd 31469, +MS2(647.2899), 31.9eV, 56.1min, 1/K0=0.768 #27964
0.0000000200000000000.0	Cmpd 28085, +MS2(970.4317), 37.0eV, 54.4min, 1/K0=1.052 #27050
0.0000000200000000000.0	Cmpd 37531, +MS2(970.4313), 42.0eV, 58.680-58.686min, 1/K0=1.056
0.0000000200000000000.0	Cmpd 33214, +MS2(970.4317), 37.0eV, 56.869-56.873min, 1/K0=1.054
0.0000000200000000000.0	Cmpd 27747, +MS2(970.4333), 37.0eV, 54.213-54.220min, 1/K0=1.053
0.0000000200000000000.0	Cmpd 28826, +MS2(970.4312), 37.0eV, 54.794-54.796min, 1/K0=1.048
0.0000000200000000000.0	Cmpd 27851, +MS2(970.4325), 37.0eV, 54.3min, 1/K0=1.052 #26995
0.0000000200000000000.0	Cmpd 34480, +MS2(970.4326), 37.0eV, 57.361-57.366min, 1/K0=1.053
0.0000000200000000000.0	Cmpd 29796, +MS2(647.2908), 31.9eV, 55.3min, 1/K0=0.768 #27524
0.0000000200000000000.0	Cmpd 32380, +MS2(647.2886), 31.9eV, 56.517-56.519min, 1/K0=0.769
0.0000000200000000000.0	Cmpd 28465, +MS2(647.2913), 31.9eV, 54.6min, 1/K0=0.766 #27171
0.0000000200000000000.0	Cmpd 33365, +MS2(647.2914), 31.9eV, 56.935-56.937min, 1/K0=0.774
0.0000000200000000000.0	Cmpd 29435, +MS2(647.2924), 31.9eV, 55.089-55.096min, 1/K0=0.765
0.0000000200000000000.0	Cmpd 46642, +MS2(970.4352), 37.0eV, 62.4min, 1/K0=1.050 #31319
0.0000000200000000000.0	Cmpd 44755, +MS2(970.4404), 42.0eV, 61.630-61.635min, 1/K0=1.065
	Cmpd 90674, +MS2(988.4536), 42.0eV, 79.002-79.004min, 1/K0=1.075
	Cmpd 28664, +MS2(661.3280), 31.9eV, 54.718-54.722min, 1/K0=0.826
	Cmpd 30578, +MS2(661.3295), 31.9eV, 55.6min, 1/K0=0.824 #27722
	Cmpd 28739, +MS2(661.3321), 31.9eV, 54.8min, 1/K0=0.824 #27250
	Cmpd 29719, +MS2(661.3325), 31.9eV, 55.2min, 1/K0=0.826 #27501
	Cmpd 28855, +MS2(661.3331), 31.9eV, 54.8min, 1/K0=0.823 #27281
	Cmpd 29399, +MS2(661.3371), 31.9eV, 55.072-55.075min, 1/K0=0.808
	Cmpd 96054, +MS2(994.4912), 42.0eV, 81.1min, 1/K0=1.086 #41143
	Cmpd 95930, +MS2(994.4940), 42.0eV, 81.0min, 1/K0=1.074 #41120
	Cmpd 115746, +MS2(670.3318), 31.9eV, 87.0min, 1/K0=0.820 #44232
	Cmpd 115824, +MS2(1004.9979), 42.0eV, 87.0min, 1/K0=1.167 #44243
	Cmpd 115576, +MS2(1005.0002), 42.0eV, 87.0min, 1/K0=1.164 #44210
	Cmpd 96031, +MS2(701.0250), 31.9eV, 81.081-81.083min, 1/K0=0.794
	Cmpd 96044, +MS2(701.0191), 31.9eV, 81.085-81.087min, 1/K0=0.794
	Cmpd 96111, +MS2(701.0226), 31.9eV, 81.1min, 1/K0=0.830 #41153
	Cmpd 76835, +MS2(715.3614), 37.0eV, 73.773-73.775min, 1/K0=0.856
	Cmpd 104218, +MS2(722.3691), 37.0eV, 84.0min, 1/K0=0.914 #42648
	Cmpd 104239, +MS2(722.3685), 37.0eV, 84.0min, 1/K0=0.929 #42651
	Cmpd 91009, +MS2(734.6939), 31.9eV, 79.1min, 1/K0=0.847 #40109
	Cmpd 98907, +MS2(1101.5407), 42.0eV, 82.011-82.013min, 1/K0=1.14
	Cmpd 90831, +MS2(1101.5359), 42.0eV, 79.061-79.064min, 1/K0=1.17
	Cmpd 90434, +MS2(1101.5388), 42.0eV, 78.9min, 1/K0=1.124 #39997

	Cmpd 90821, +MS2(1101.5367), 42.0eV, 79.1min, 1/K0=1.135 #40074
	Cmpd 92540, +MS2(1101.5387), 42.0eV, 79.733-79.735min, 1/K0=1.10
	Cmpd 92961, +MS2(1101.5393), 42.0eV, 79.9min, 1/K0=1.143 #40514
	Cmpd 93162, +MS2(734.6948), 37.0eV, 80.0min, 1/K0=0.898 #40559
	Cmpd 93993, +MS2(1101.5389), 42.0eV, 80.3min, 1/K0=1.145 #40734
	Cmpd 90338, +MS2(1101.5392), 42.0eV, 78.874-78.876min, 1/K0=1.11
	Cmpd 90785, +MS2(734.6947), 37.0eV, 79.0min, 1/K0=0.906 #40065
	Cmpd 95008, +MS2(1101.5385), 42.0eV, 80.7min, 1/K0=1.141 #40954
	Cmpd 98986, +MS2(1101.5365), 42.0eV, 82.042-82.045min, 1/K0=1.12
	Cmpd 90599, +MS2(1101.5393), 42.0eV, 79.0min, 1/K0=1.133 #40030
	Cmpd 91029, +MS2(734.6961), 31.9eV, 79.137-79.138min, 1/K0=0.823
	Cmpd 90993, +MS2(734.6965), 37.0eV, 79.1min, 1/K0=0.906 #40107
	Cmpd 91896, +MS2(1101.5413), 42.0eV, 79.5min, 1/K0=1.144 #40294
	Cmpd 97516, +MS2(1101.5456), 42.0eV, 81.568-81.570min, 1/K0=1.14
	Cmpd 103834, +MS2(1101.5382), 42.0eV, 83.819-83.821min, 1/K0=1.1
	Cmpd 92109, +MS2(734.6963), 37.0eV, 79.6min, 1/K0=0.901 #40340
	Cmpd 90767, +MS2(1101.5420), 42.0eV, 79.0min, 1/K0=1.093 #40063
	Cmpd 95771, +MS2(763.0449), 37.0eV, 81.0min, 1/K0=0.857 #41089
	Cmpd 95764, +MS2(763.0456), 37.0eV, 81.0min, 1/K0=0.881 #41088
0.00020000000000000000.0	Cmpd 82286, +MS2(768.3774), 31.9eV, 75.7min, 1/K0=0.843 #38325
	Cmpd 58836, +MS2(769.3894), 31.9eV, 67.19-67.20min, 1/K0=0.854 #
	Cmpd 58925, +MS2(769.3928), 37.0eV, 67.218-67.220min, 1/K0=0.856
	Cmpd 58004, +MS2(1153.5875), 47.0eV, 66.9min, 1/K0=1.255 #33661
	Cmpd 76856, +MS2(815.0799), 37.0eV, 73.8min, 1/K0=0.940 #37292
0.00020000000000000000.0	Cmpd 63610, +MS2(820.4150), 37.0eV, 69.045-69.051min, 1/K0=0.934
	Cmpd 83628, +MS2(824.0594), 37.0eV, 76.256-76.258min, 1/K0=0.861
	Cmpd 82517, +MS2(824.0571), 37.0eV, 75.835-75.837min, 1/K0=0.859
	Cmpd 61560, +MS2(831.4043), 37.0eV, 68.2min, 1/K0=0.997 #34366
0.000000020000000000000000.0	Cmpd 47136, +MS2(836.7345), 37.0eV, 62.637-62.647min, 1/K0=1.010
	Cmpd 1733, +MS2(587.3082), 31.9eV, 36.8min, 1/K0=0.818 #17711
	Cmpd 82795, +MS2(677.3410), 37.0eV, 75.9min, 1/K0=0.880 #38434
	Cmpd 82263, +MS2(677.3424), 37.0eV, 75.731-75.733min, 1/K0=0.880
	Cmpd 84833, +MS2(429.7720), 31.9eV, 76.7min, 1/K0=0.743 #38831
	Cmpd 85664, +MS2(537.3170), 31.9eV, 77.0min, 1/K0=0.783 #38996
	Cmpd 83856, +MS2(537.3172), 31.9eV, 76.338-76.340min, 1/K0=0.795
	Cmpd 84517, +MS2(537.3174), 31.9eV, 76.6min, 1/K0=0.777 #38765
	Cmpd 85804, +MS2(537.3180), 31.9eV, 77.1min, 1/K0=0.799 #39029
	Cmpd 83986, +MS2(537.3180), 31.9eV, 76.4min, 1/K0=0.796 #38666
	Cmpd 85811, +MS2(537.3181), 31.9eV, 77.1min, 1/K0=0.785 #39030
	Cmpd 85714, +MS2(537.3185), 31.9eV, 77.0min, 1/K0=0.783 #39007
	Cmpd 84673, +MS2(537.3185), 31.9eV, 76.6min, 1/K0=0.798 #38798
	Cmpd 7209, +MS2(563.7501), 31.9eV, 42.0min, 1/K0=0.807 #20494
	Cmpd 6923, +MS2(573.7875), 31.9eV, 41.8min, 1/K0=0.819 #20384
	Cmpd 6994, +MS2(573.7876), 31.9eV, 41.9min, 1/K0=0.836 #20406
	Cmpd 8205, +MS2(573.7903), 31.9eV, 42.7min, 1/K0=0.813 #20846
	Cmpd 7028, +MS2(573.7905), 31.9eV, 41.9min, 1/K0=0.794 #20417
	Cmpd 6740, +MS2(573.7905), 31.9eV, 41.7min, 1/K0=0.808 #20307
	Cmpd 7584, +MS2(573.7908), 31.9eV, 42.3min, 1/K0=0.821 #20626

	Cmpd 6789, +MS2(573.7912), 31.9eV, 41.7min, 1/K0=0.810 #20329
	Cmpd 8715, +MS2(573.7924), 31.9eV, 43.1min, 1/K0=0.809 #21066
	Cmpd 107814, +MS2(582.8049), 31.9eV, 85.0min, 1/K0=0.814 #43210
	Cmpd 107790, +MS2(582.8048), 31.9eV, 85.0min, 1/K0=0.820 #43208
	Cmpd 68841, +MS2(582.8055), 31.9eV, 70.9min, 1/K0=0.812 #35773
	Cmpd 68660, +MS2(582.8059), 31.9eV, 70.829-70.831min, 1/K0=0.811 #
	Cmpd 69526, +MS2(582.8064), 31.9eV, 71.1min, 1/K0=0.815 #35895
	Cmpd 3252, +MS2(582.8062), 31.9eV, 38.4min, 1/K0=0.812 #18558
	Cmpd 3204, +MS2(582.8068), 31.9eV, 38.346-38.348min, 1/K0=0.811 #
	Cmpd 7284, +MS2(614.2704), 31.9eV, 42.1min, 1/K0=0.842 #20516
	Cmpd 7247, +MS2(614.2715), 31.9eV, 42.0min, 1/K0=0.827 #20505
	Cmpd 7877, +MS2(614.2714), 31.9eV, 42.5min, 1/K0=0.837 #20736
	Cmpd 7176, +MS2(614.2739), 31.9eV, 42.0min, 1/K0=0.842 #20483
	Cmpd 108095, +MS2(640.3190), 31.9eV, 85.097-85.101min, 1/K0=0.84
	Cmpd 68860, +MS2(640.3222), 31.9eV, 70.896-70.898min, 1/K0=0.836
	Cmpd 7208, +MS2(663.8102), 37.0eV, 42.0min, 1/K0=0.876 #20494
	Cmpd 68874, +MS2(697.3417), 37.0eV, 70.899-70.903min, 1/K0=0.908
	Cmpd 107926, +MS2(697.3422), 37.0eV, 85.1min, 1/K0=0.887 #43223
	Cmpd 107874, +MS2(697.3426), 37.0eV, 85.0min, 1/K0=0.890 #43218
	Cmpd 7958, +MS2(729.3270), 37.0eV, 42.5min, 1/K0=0.909 #20758
	Cmpd 7796, +MS2(729.3296), 37.0eV, 42.4min, 1/K0=0.923 #20714
	Cmpd 7207, +MS2(729.3299), 37.0eV, 42.0min, 1/K0=0.930 #20494
0.20000000000.0	Cmpd 3231, +MS2(737.3245), 37.0eV, 38.4min, 1/K0=0.915 #18547
0.20000000000.0	Cmpd 5369, +MS2(737.3257), 37.0eV, 40.5min, 1/K0=0.916 #19658
0.20000000000.0	Cmpd 2845, +MS2(737.3270), 37.0eV, 38.0min, 1/K0=0.915 #18327
	Cmpd 41737, +MS2(743.4092), 31.9eV, 60.461-60.465min, 1/K0=0.779
	Cmpd 42609, +MS2(743.4125), 37.0eV, 60.8min, 1/K0=0.953 #30460
	Cmpd 41391, +MS2(743.4126), 37.0eV, 60.3min, 1/K0=0.954 #30196
	Cmpd 41542, +MS2(743.4130), 37.0eV, 60.4min, 1/K0=0.958 #30229
	Cmpd 41669, +MS2(743.4130), 31.9eV, 60.434-60.440min, 1/K0=0.853
0.00000200000000.0	Cmpd 18070, +MS2(751.4077), 37.0eV, 49.1min, 1/K0=0.939 #24245
	Cmpd 68689, +MS2(754.8535), 37.0eV, 70.840-70.846min, 1/K0=0.915
	Cmpd 107863, +MS2(754.8551), 37.0eV, 85.0min, 1/K0=0.916 #43216
	Cmpd 68840, +MS2(754.8556), 37.0eV, 70.9min, 1/K0=0.914 #35773
	Cmpd 108094, +MS2(754.8571), 37.0eV, 85.097-85.103min, 1/K0=0.89
	Cmpd 122217, +MS2(774.8757), 37.0eV, 88.7min, 1/K0=0.925 #45092
	Cmpd 68738, +MS2(818.8838), 37.0eV, 70.9min, 1/K0=0.942 #35754
	Cmpd 68971, +MS2(818.8855), 37.0eV, 70.9min, 1/K0=0.941 #35795
	Cmpd 108059, +MS2(818.8881), 37.0eV, 85.1min, 1/K0=0.943 #43240
	Cmpd 8995, +MS2(551.6087), 31.9eV, 43.244-43.245min, 1/K0=0.751 #
	Cmpd 9109, +MS2(826.9117), 37.0eV, 43.313-43.323min, 1/K0=1.052 #
	Cmpd 103681, +MS2(826.9136), 42.0eV, 83.765-83.769min, 1/K0=1.06
	Cmpd 9161, +MS2(826.9134), 37.0eV, 43.35-43.36min, 1/K0=1.053 #2:
	Cmpd 9138, +MS2(826.9150), 37.0eV, 43.33-43.35min, 1/K0=1.053 #2:
	Cmpd 122164, +MS2(831.4187), 37.0eV, 88.7min, 1/K0=0.968 #45086
	Cmpd 88504, +MS2(837.3863), 37.0eV, 78.162-78.165min, 1/K0=0.977
	Cmpd 117620, +MS2(838.4376), 37.0eV, 87.513-87.515min, 1/K0=1.00
	Cmpd 69394, +MS2(875.4295), 37.0eV, 71.082-71.084min, 1/K0=1.006



1.000002000000000.0

Cmpd 68839, +MS2(875.4299), 37.0eV, 70.9min, 1/K0=0.983 #35773  
Cmpd 68695, +MS2(875.4301), 37.0eV, 70.844-70.846min, 1/K0=0.980  
Cmpd 107902, +MS2(875.4302), 37.0eV, 85.1min, 1/K0=0.989 #43221  
Cmpd 107786, +MS2(875.4311), 37.0eV, 85.027-85.029min, 1/K0=0.98  
Cmpd 68755, +MS2(924.9657), 37.0eV, 70.861-70.863min, 1/K0=1.026  
Cmpd 68929, +MS2(924.9673), 37.0eV, 70.9min, 1/K0=1.042 #35787  
Cmpd 69034, +MS2(924.9682), 37.0eV, 71.0min, 1/K0=1.027 #35806  
Cmpd 107868, +MS2(924.9663), 37.0eV, 85.0min, 1/K0=1.032 #43217  
Cmpd 65217, +MS2(637.3112), 31.9eV, 69.651-69.653min, 1/K0=0.805  
Cmpd 28541, +MS2(645.9865), 31.9eV, 54.650-54.658min, 1/K0=0.731  
Cmpd 69089, +MS2(968.4827), 37.0eV, 71.0min, 1/K0=1.023 #35817  
Cmpd 76197, +MS2(670.9975), 31.9eV, 73.6min, 1/K0=0.820 #37192  
Cmpd 77487, +MS2(670.9975), 31.9eV, 74.0min, 1/K0=0.823 #37412  
Cmpd 76031, +MS2(670.9983), 31.9eV, 73.5min, 1/K0=0.820 #37160  
Cmpd 68904, +MS2(1025.5038), 42.0eV, 70.9min, 1/K0=1.063 #35784  
Cmpd 69100, +MS2(1025.5052), 42.0eV, 71.0min, 1/K0=1.078 #35818  
Cmpd 90585, +MS2(1036.8766), 42.0eV, 78.967-78.969min, 1/K0=1.05  
Cmpd 68721, +MS2(1054.0112), 42.0eV, 70.9min, 1/K0=1.080 #35752  
Cmpd 68776, +MS2(1054.0135), 42.0eV, 70.9min, 1/K0=1.096 #35762  
Cmpd 68969, +MS2(1054.0143), 42.0eV, 70.9min, 1/K0=1.082 #35795  
Cmpd 107823, +MS2(1054.0153), 42.0eV, 85.0min, 1/K0=1.082 #43211  
Cmpd 69088, +MS2(1054.0146), 42.0eV, 71.0min, 1/K0=1.101 #35817  
Cmpd 107725, +MS2(1054.0143), 42.0eV, 85.0min, 1/K0=1.083 #43199  
Cmpd 122035, +MS2(1065.0373), 42.0eV, 88.6min, 1/K0=1.102 #45069  
Cmpd 122099, +MS2(1065.0406), 42.0eV, 88.7min, 1/K0=1.096 #45079  
Cmpd 68728, +MS2(1089.5309), 42.0eV, 70.9min, 1/K0=1.117 #35753  
Cmpd 68981, +MS2(1089.5338), 42.0eV, 70.9min, 1/K0=1.119 #35796  
Cmpd 83568, +MS2(1094.9036), 42.0eV, 76.233-76.237min, 1/K0=1.08  
Cmpd 122113, +MS2(1100.5582), 42.0eV, 88.7min, 1/K0=1.114 #45080  
Cmpd 122208, +MS2(734.0352), 37.0eV, 88.68-88.70min, 1/K0=0.900 #37138  
Cmpd 75922, +MS2(747.7032), 37.0eV, 73.5min, 1/K0=0.887 #37138  
Cmpd 76196, +MS2(747.7040), 37.0eV, 73.6min, 1/K0=0.886 #37192  
Cmpd 77486, +MS2(747.7031), 37.0eV, 74.0min, 1/K0=0.887 #37412  
Cmpd 68911, +MS2(1153.5570), 42.0eV, 70.9min, 1/K0=1.169 #35785  
Cmpd 69201, +MS2(1153.5606), 42.0eV, 71.0min, 1/K0=1.140 #35839  
Cmpd 69032, +MS2(1153.5623), 42.0eV, 71.0min, 1/K0=1.124 #35806  
Cmpd 68908, +MS2(807.0676), 31.9eV, 70.9min, 1/K0=0.828 #35784  
Cmpd 68854, +MS2(1210.0975), 42.0eV, 70.896-70.898min, 1/K0=1.18  
Cmpd 68732, +MS2(807.0664), 31.9eV, 70.854-70.856min, 1/K0=0.832  
Cmpd 68972, +MS2(807.0694), 31.9eV, 70.9min, 1/K0=0.847 #35795  
Cmpd 68968, +MS2(1210.1010), 42.0eV, 70.9min, 1/K0=1.159 #35795  
Cmpd 122349, +MS2(809.4287), 37.0eV, 88.7min, 1/K0=0.911 #45113  
Cmpd 123420, +MS2(809.4265), 37.0eV, 89.1min, 1/K0=0.940 #45288  
Cmpd 125682, +MS2(1213.6369), 42.0eV, 89.930-89.932min, 1/K0=1.1  
Cmpd 124559, +MS2(809.4261), 37.0eV, 89.481-89.483min, 1/K0=0.94  
Cmpd 122112, +MS2(1213.6395), 42.0eV, 88.7min, 1/K0=1.182 #45080  
Cmpd 122263, +MS2(1213.6386), 42.0eV, 88.7min, 1/K0=1.204 #45101  
Cmpd 123536, +MS2(1213.6418), 42.0eV, 89.1min, 1/K0=1.198 #45310

Cmpd 122102, +MS2(809.4300), 37.0eV, 88.7min, 1/K0=0.944 #45079  
Cmpd 123255, +MS2(1213.6416), 42.0eV, 89.010-89.012min, 1/K0=1.2  
Cmpd 123415, +MS2(1213.6411), 42.0eV, 89.1min, 1/K0=1.182 #45288  
Cmpd 122034, +MS2(1213.6376), 42.0eV, 88.6min, 1/K0=1.186 #45069  
Cmpd 124647, +MS2(1213.6413), 42.0eV, 89.513-89.517min, 1/K0=1.2  
Cmpd 124635, +MS2(1213.6390), 42.0eV, 89.5min, 1/K0=1.184 #45519  
Cmpd 121126, +MS2(1228.5470), 42.0eV, 88.416-88.418min, 1/K0=1.1  
Cmpd 123194, +MS2(1228.5516), 42.0eV, 88.988-88.990min, 1/K0=1.1  
Cmpd 68807, +MS2(840.0926), 37.0eV, 70.877-70.879min, 1/K0=0.859  
Cmpd 61814, +MS2(846.7397), 37.0eV, 68.312-68.316min, 1/K0=0.908  
Cmpd 103578, +MS2(865.7433), 37.0eV, 83.729-83.731min, 1/K0=0.90  
Cmpd 103827, +MS2(865.7418), 37.0eV, 83.8min, 1/K0=0.872 #42574  
Cmpd 61513, +MS2(865.7475), 37.0eV, 68.2min, 1/K0=0.896 #34356  
Cmpd 61862, +MS2(865.7463), 37.0eV, 68.3min, 1/K0=0.899 #34422  
Cmpd 103754, +MS2(889.4236), 37.0eV, 83.788-83.790min, 1/K0=0.93  
Cmpd 117600, +MS2(891.4212), 37.0eV, 87.5min, 1/K0=0.988 #44480  
Cmpd 117585, +MS2(920.4289), 37.0eV, 87.5min, 1/K0=1.006 #44477  
Cmpd 61496, +MS2(932.1101), 37.0eV, 68.2min, 1/K0=0.971 #34354  
Cmpd 61854, +MS2(932.1116), 37.0eV, 68.3min, 1/K0=0.970 #34421  
Cmpd 103512, +MS2(932.1150), 37.0eV, 83.708-83.710min, 1/K0=0.96  
Cmpd 103936, +MS2(932.1121), 37.0eV, 83.9min, 1/K0=0.967 #42594  
Cmpd 71151, +MS2(940.4570), 37.0eV, 71.7min, 1/K0=0.915 #36201  
Cmpd 73649, +MS2(940.4589), 37.0eV, 72.6min, 1/K0=0.905 #36694  
Cmpd 68592, +MS2(1410.1808), 47.0eV, 70.8min, 1/K0=1.299 #35730  
Cmpd 69508, +MS2(1410.1783), 47.0eV, 71.1min, 1/K0=1.344 #35894  
Cmpd 69378, +MS2(1410.1776), 47.0eV, 71.1min, 1/K0=1.337 #35872  
Cmpd 69199, +MS2(1410.1774), 47.0eV, 71.0min, 1/K0=1.251 #35839  
Cmpd 68773, +MS2(1410.1772), 47.0eV, 70.9min, 1/K0=1.316 #35762  
Cmpd 68967, +MS2(1410.1789), 42.0eV, 70.9min, 1/K0=1.250 #35795  
Cmpd 68834, +MS2(1410.1792), 47.0eV, 70.9min, 1/K0=1.313 #35773  
Cmpd 69525, +MS2(940.4583), 37.0eV, 71.1min, 1/K0=0.901 #35895  
Cmpd 68778, +MS2(940.4577), 37.0eV, 70.9min, 1/K0=0.973 #35762  
Cmpd 69029, +MS2(1410.1808), 47.0eV, 71.0min, 1/K0=1.288 #35806  
Cmpd 71225, +MS2(940.4579), 37.0eV, 71.729-71.731min, 1/K0=0.913  
Cmpd 68779, +MS2(940.4549), 37.0eV, 70.9min, 1/K0=0.893 #35762  
Cmpd 68674, +MS2(940.4591), 37.0eV, 70.833-70.835min, 1/K0=0.891  
Cmpd 70889, +MS2(940.4604), 37.0eV, 71.604-71.606min, 1/K0=0.970  
Cmpd 73402, +MS2(940.4619), 37.0eV, 72.552-72.557min, 1/K0=0.971  
Cmpd 76453, +MS2(940.4586), 37.0eV, 73.656-73.662min, 1/K0=0.907  
Cmpd 71988, +MS2(940.4587), 37.0eV, 72.0min, 1/K0=0.972 #36369  
Cmpd 76345, +MS2(940.4579), 37.0eV, 73.6min, 1/K0=0.906 #37213  
Cmpd 74865, +MS2(940.4610), 37.0eV, 73.09-73.10min, 1/K0=0.964 #4  
Cmpd 68528, +MS2(940.4549), 37.0eV, 70.787-70.793min, 1/K0=0.972  
Cmpd 76144, +MS2(940.4591), 37.0eV, 73.57-73.58min, 1/K0=0.905 #4  
Cmpd 75558, +MS2(940.4617), 37.0eV, 73.351-73.356min, 1/K0=0.970  
Cmpd 61845, +MS2(969.8073), 37.0eV, 68.3min, 1/K0=1.010 #34420  
Cmpd 117584, +MS2(982.4566), 42.0eV, 87.5min, 1/K0=1.057 #44477  
Cmpd 117506, +MS2(1001.4638), 42.0eV, 87.5min, 1/K0=1.072 #44467

Cmpd 117649, +MS2(1001.4645), 42.0eV, 87.5min, 1/K0=1.072 #44486  
Cmpd 122087, +MS2(1023.5319), 37.0eV, 88.657-88.659min, 1/K0=0.9  
Cmpd 121447, +MS2(1023.5357), 37.0eV, 88.5min, 1/K0=0.969 #44992  
Cmpd 117634, +MS2(1025.1415), 42.0eV, 87.5min, 1/K0=1.083 #44485  
Cmpd 117520, +MS2(1025.1449), 42.0eV, 87.487-87.489min, 1/K0=1.0  
Cmpd 117548, +MS2(1048.8245), 42.0eV, 87.5min, 1/K0=1.092 #44474  
Cmpd 117563, +MS2(1103.1772), 42.0eV, 87.5min, 1/K0=1.076 #44475  
Cmpd 61386, +MS2(1103.1924), 42.0eV, 68.2min, 1/K0=1.112 #34332  
Cmpd 61289, +MS2(1103.1893), 42.0eV, 68.118-68.121min, 1/K0=1.11  
Cmpd 61494, +MS2(1103.1925), 42.0eV, 68.2min, 1/K0=1.112 #34354  
Cmpd 121267, +MS2(1185.2861), 37.0eV, 88.5min, 1/K0=1.020 #44971  
Cmpd 117706, +MS2(1195.2266), 42.0eV, 87.532-87.534min, 1/K0=1.0  
Cmpd 108172, +MS2(1291.9929), 42.0eV, 85.1min, 1/K0=1.175 #43254  
Cmpd 45044, +MS2(492.7722), 31.9eV, 61.741-61.743min, 1/K0=0.742  
Cmpd 76665, +MS2(608.8321), 37.0eV, 73.715-73.719min, 1/K0=0.869  
Cmpd 26830, +MS2(616.3187), 31.9eV, 53.702-53.704min, 1/K0=0.833  
Cmpd 26903, +MS2(616.3221), 31.9eV, 53.7min, 1/K0=0.848 #26710  
Cmpd 43814, +MS2(627.3640), 37.0eV, 61.331-61.335min, 1/K0=0.865  
Cmpd 68424, +MS2(666.3453), 37.0eV, 70.75-70.76min, 1/K0=0.919 #4  
Cmpd 76416, +MS2(666.3497), 37.0eV, 73.6min, 1/K0=0.925 #37224  
Cmpd 76534, +MS2(666.3505), 37.0eV, 73.7min, 1/K0=0.922 #37240  
Cmpd 44941, +MS2(672.8584), 37.0eV, 61.700-61.702min, 1/K0=0.900  
Cmpd 36437, +MS2(672.8597), 37.0eV, 58.2min, 1/K0=0.885 #29096  
Cmpd 26600, +MS2(672.8599), 37.0eV, 53.5min, 1/K0=0.881 #26610  
Cmpd 39949, +MS2(672.8603), 37.0eV, 59.7min, 1/K0=0.880 #29888  
Cmpd 26808, +MS2(672.8605), 37.0eV, 53.7min, 1/K0=0.885 #26687  
Cmpd 37447, +MS2(672.8607), 37.0eV, 58.6min, 1/K0=0.882 #29306  
Cmpd 26684, +MS2(672.8608), 37.0eV, 53.6min, 1/K0=0.879 #26643  
Cmpd 38408, +MS2(672.8614), 37.0eV, 59.1min, 1/K0=0.884 #29527  
Cmpd 30818, +MS2(672.8630), 37.0eV, 55.8min, 1/K0=0.884 #27788  
Cmpd 31631, +MS2(672.8637), 37.0eV, 56.2min, 1/K0=0.882 #28007  
Cmpd 27577, +MS2(672.8643), 37.0eV, 54.1min, 1/K0=0.889 #26907  
Cmpd 29947, +MS2(672.8644), 37.0eV, 55.4min, 1/K0=0.884 #27568  
Cmpd 29113, +MS2(672.8644), 37.0eV, 54.9min, 1/K0=0.887 #27348  
Cmpd 32412, +MS2(672.8645), 37.0eV, 56.5min, 1/K0=0.886 #28194  
Cmpd 28325, +MS2(672.8652), 37.0eV, 54.5min, 1/K0=0.883 #27127  
Cmpd 93031, +MS2(712.8598), 37.0eV, 79.924-79.928min, 1/K0=0.906  
Cmpd 91907, +MS2(712.8621), 37.0eV, 79.5min, 1/K0=0.906 #40295  
Cmpd 68429, +MS2(722.8904), 37.0eV, 70.751-70.753min, 1/K0=0.980  
Cmpd 76549, +MS2(722.8938), 37.0eV, 73.7min, 1/K0=0.992 #37243  
Cmpd 68493, +MS2(786.9209), 37.0eV, 70.774-70.778min, 1/K0=1.026  
Cmpd 76381, +MS2(786.9222), 37.0eV, 73.6min, 1/K0=1.030 #37217  
Cmpd 76845, +MS2(786.9242), 37.0eV, 73.8min, 1/K0=1.029 #37291  
Cmpd 75627, +MS2(799.4023), 37.0eV, 73.4min, 1/K0=0.955 #37080  
Cmpd 75802, +MS2(799.4116), 37.0eV, 73.4min, 1/K0=0.960 #37115  
Cmpd 75665, +MS2(799.4096), 37.0eV, 73.387-73.391min, 1/K0=0.960  
Cmpd 76166, +MS2(799.4144), 37.0eV, 73.575-73.578min, 1/K0=0.985  
Cmpd 79139, +MS2(799.4107), 37.0eV, 74.638-74.640min, 1/K0=0.944

Cmpd 75973, +MS2(799.4151), 37.0eV, 73.5min, 1/K0=0.958 #37148  
Cmpd 77495, +MS2(799.4155), 37.0eV, 74.0min, 1/K0=0.978 #37413  
Cmpd 77274, +MS2(799.4166), 37.0eV, 73.9min, 1/K0=0.962 #37370  
Cmpd 97153, +MS2(824.4126), 37.0eV, 81.4min, 1/K0=0.970 #41329  
Cmpd 68416, +MS2(830.4384), 37.0eV, 70.747-70.749min, 1/K0=1.052  
Cmpd 76315, +MS2(830.4394), 37.0eV, 73.615-73.617min, 1/K0=1.051  
Cmpd 76532, +MS2(830.4398), 37.0eV, 73.7min, 1/K0=1.053 #37240  
Cmpd 79838, +MS2(858.9456), 42.0eV, 74.853-74.855min, 1/K0=1.078  
Cmpd 68254, +MS2(858.9463), 42.0eV, 70.694-70.696min, 1/K0=1.085  
Cmpd 78198, +MS2(858.9475), 42.0eV, 74.3min, 1/K0=1.082 #37556  
Cmpd 68480, +MS2(858.9481), 42.0eV, 70.8min, 1/K0=1.085 #35709  
Cmpd 76221, +MS2(858.9487), 42.0eV, 73.6min, 1/K0=1.082 #37194  
Cmpd 79383, +MS2(858.9481), 42.0eV, 74.72-74.73min, 1/K0=1.081 #37221  
Cmpd 77770, +MS2(858.9492), 42.0eV, 74.116-74.118min, 1/K0=1.082  
Cmpd 76502, +MS2(858.9505), 42.0eV, 73.7min, 1/K0=1.088 #37237  
Cmpd 83042, +MS2(885.4379), 37.0eV, 76.040-76.045min, 1/K0=1.012  
Cmpd 77697, +MS2(902.4641), 42.0eV, 74.1min, 1/K0=1.107 #37456  
Cmpd 79321, +MS2(902.4646), 42.0eV, 74.7min, 1/K0=1.107 #37777  
Cmpd 78183, +MS2(902.4647), 42.0eV, 74.3min, 1/K0=1.107 #37555  
Cmpd 68581, +MS2(902.4652), 42.0eV, 70.8min, 1/K0=1.107 #35729  
Cmpd 76193, +MS2(902.4652), 42.0eV, 73.6min, 1/K0=1.111 #37192  
Cmpd 76489, +MS2(902.4654), 42.0eV, 73.7min, 1/K0=1.114 #37236  
Cmpd 76075, +MS2(902.4655), 42.0eV, 73.55-73.57min, 1/K0=1.109 #37236  
Cmpd 76168, +MS2(902.4660), 42.0eV, 73.578-73.580min, 1/K0=1.107  
Cmpd 69892, +MS2(902.4679), 42.0eV, 71.240-71.244min, 1/K0=1.110  
Cmpd 90497, +MS2(908.9966), 37.0eV, 78.933-78.935min, 1/K0=1.035  
Cmpd 90601, +MS2(908.9944), 37.0eV, 79.0min, 1/K0=1.036 #40030  
Cmpd 90907, +MS2(908.9964), 42.0eV, 79.087-79.095min, 1/K0=1.163  
Cmpd 61890, +MS2(928.9805), 42.0eV, 68.341-68.345min, 1/K0=1.086  
Cmpd 60545, +MS2(928.9826), 42.0eV, 67.8min, 1/K0=1.079 #34167  
Cmpd 60292, +MS2(928.9797), 42.0eV, 67.7min, 1/K0=1.080 #34114  
Cmpd 60395, +MS2(928.9815), 37.0eV, 67.8min, 1/K0=1.049 #34136  
Cmpd 60582, +MS2(936.9779), 42.0eV, 67.862-67.864min, 1/K0=1.086  
Cmpd 103277, +MS2(954.4562), 42.0eV, 83.6min, 1/K0=1.065 #42484  
Cmpd 100939, +MS2(954.4555), 42.0eV, 82.8min, 1/K0=1.060 #42043  
Cmpd 102080, +MS2(954.4566), 42.0eV, 83.2min, 1/K0=1.061 #42263  
Cmpd 104511, +MS2(954.4570), 42.0eV, 84.1min, 1/K0=1.067 #42704  
Cmpd 101960, +MS2(954.4567), 37.0eV, 83.176-83.178min, 1/K0=1.04  
Cmpd 100451, +MS2(954.4575), 42.0eV, 82.6min, 1/K0=1.057 #41945  
Cmpd 101934, +MS2(954.4593), 42.0eV, 83.2min, 1/K0=1.074 #42231  
Cmpd 101991, +MS2(954.4578), 37.0eV, 83.185-83.187min, 1/K0=1.04  
Cmpd 100613, +MS2(954.4593), 42.0eV, 82.7min, 1/K0=1.060 #41977  
Cmpd 68373, +MS2(959.0021), 42.0eV, 70.73-70.74min, 1/K0=1.165 #37221  
Cmpd 76675, +MS2(639.6706), 31.9eV, 73.7min, 1/K0=0.854 #37260  
Cmpd 76586, +MS2(639.6720), 31.9eV, 73.7min, 1/K0=0.855 #37247  
Cmpd 76241, +MS2(959.0053), 42.0eV, 73.6min, 1/K0=1.167 #37196  
Cmpd 68580, +MS2(959.0054), 42.0eV, 70.8min, 1/K0=1.169 #35729  
Cmpd 76488, +MS2(959.0065), 42.0eV, 73.7min, 1/K0=1.169 #37236

0.2000000000000000.0

Cmpd 89172, +MS2(962.4854), 42.0eV, 78.418-78.427min, 1/K0=1.059  
Cmpd 88729, +MS2(962.4752), 42.0eV, 78.253-78.257min, 1/K0=1.076  
Cmpd 97040, +MS2(962.4903), 42.0eV, 81.403-81.405min, 1/K0=1.069  
Cmpd 96943, +MS2(962.4920), 42.0eV, 81.4min, 1/K0=1.066 #41293  
Cmpd 60295, +MS2(677.0302), 31.9eV, 67.7min, 1/K0=0.831 #34114  
Cmpd 60503, +MS2(677.0308), 31.9eV, 67.8min, 1/K0=0.836 #34157  
Cmpd 60507, +MS2(677.0320), 37.0eV, 67.8min, 1/K0=0.869 #34158  
Cmpd 76288, +MS2(1040.5365), 42.0eV, 73.609-73.611min, 1/K0=1.21  
Cmpd 68593, +MS2(1040.5370), 42.0eV, 70.8min, 1/K0=1.208 #35730  
Cmpd 76271, +MS2(694.0288), 37.0eV, 73.6min, 1/K0=0.920 #37200  
Cmpd 76492, +MS2(694.0276), 37.0eV, 73.7min, 1/K0=0.914 #37236  
Cmpd 76529, +MS2(1040.5395), 42.0eV, 73.7min, 1/K0=1.213 #37240  
Cmpd 77827, +MS2(694.0292), 37.0eV, 74.137-74.139min, 1/K0=0.909  
Cmpd 96847, +MS2(1055.5207), 42.0eV, 81.3min, 1/K0=1.129 #41276  
Cmpd 101425, +MS2(1055.5191), 42.0eV, 83.0min, 1/K0=1.120 #42135  
Cmpd 97144, +MS2(1055.5192), 42.0eV, 81.4min, 1/K0=1.131 #41328  
Cmpd 100289, +MS2(1055.5199), 42.0eV, 82.6min, 1/K0=1.117 #41911  
Cmpd 96641, +MS2(1055.5234), 42.0eV, 81.276-81.278min, 1/K0=1.12  
Cmpd 99990, +MS2(1055.5196), 42.0eV, 82.4min, 1/K0=1.099 #41845  
Cmpd 97925, +MS2(1055.5237), 42.0eV, 81.7min, 1/K0=1.110 #41471  
Cmpd 103883, +MS2(1055.5230), 42.0eV, 83.832-83.840min, 1/K0=1.1  
Cmpd 97344, +MS2(1055.5233), 42.0eV, 81.5min, 1/K0=1.090 #41361  
Cmpd 99245, +MS2(1055.5244), 42.0eV, 82.1min, 1/K0=1.103 #41692  
Cmpd 99235, +MS2(1055.5254), 42.0eV, 82.1min, 1/K0=1.115 #41691  
Cmpd 54430, +MS2(729.0649), 31.9eV, 65.5min, 1/K0=0.837 #32936  
Cmpd 54491, +MS2(729.0641), 31.9eV, 65.5min, 1/K0=0.816 #32947  
Cmpd 54598, +MS2(729.0649), 31.9eV, 65.6min, 1/K0=0.835 #32968  
Cmpd 54329, +MS2(729.0649), 31.9eV, 65.476-65.478min, 1/K0=0.841  
Cmpd 80624, +MS2(756.0403), 37.0eV, 75.1min, 1/K0=0.932 #38008  
Cmpd 76423, +MS2(1133.5689), 42.0eV, 73.7min, 1/K0=1.197 #37225  
Cmpd 77695, +MS2(1133.5686), 42.0eV, 74.1min, 1/K0=1.220 #37456  
Cmpd 78716, +MS2(756.0470), 37.0eV, 74.5min, 1/K0=0.935 #37665  
Cmpd 76224, +MS2(756.0469), 37.0eV, 73.6min, 1/K0=0.939 #37194  
Cmpd 76664, +MS2(756.0516), 37.0eV, 73.7min, 1/K0=0.949 #37259  
Cmpd 76795, +MS2(756.0501), 37.0eV, 73.8min, 1/K0=0.947 #37281  
Cmpd 77648, +MS2(756.0509), 37.0eV, 74.1min, 1/K0=0.930 #37445  
Cmpd 76487, +MS2(1133.5722), 42.0eV, 73.7min, 1/K0=1.217 #37236  
Cmpd 76428, +MS2(756.0512), 37.0eV, 73.7min, 1/K0=0.934 #37225  
Cmpd 82463, +MS2(756.0480), 37.0eV, 75.809-75.811min, 1/K0=0.934  
Cmpd 68629, +MS2(831.7611), 37.0eV, 70.820-70.821min, 1/K0=0.991  
Cmpd 83942, +MS2(913.4460), 37.0eV, 76.370-76.374min, 1/K0=0.938  
Cmpd 68458, +MS2(965.4814), 42.0eV, 70.8min, 1/K0=1.093 #35707  
Cmpd 84864, +MS2(979.4798), 42.0eV, 76.715-76.717min, 1/K0=1.101  
Cmpd 87445, +MS2(979.4888), 42.0eV, 77.726-77.730min, 1/K0=1.103  
Cmpd 88483, +MS2(979.4938), 42.0eV, 78.152-78.158min, 1/K0=1.107  
Cmpd 83884, +MS2(979.4892), 31.9eV, 76.348-76.349min, 1/K0=0.853  
Cmpd 83826, +MS2(979.4918), 42.0eV, 76.3min, 1/K0=1.066 #38634  
Cmpd 85899, +MS2(979.4895), 42.0eV, 77.1min, 1/K0=1.107 #39052

	Cmpd 84179, +MS2(979.4930), 37.0eV, 76.5min, 1/K0=1.015 #38703
	Cmpd 85999, +MS2(979.4929), 37.0eV, 77.2min, 1/K0=0.987 #39073
	Cmpd 84937, +MS2(979.4924), 37.0eV, 76.7min, 1/K0=0.983 #38853
	Cmpd 87129, +MS2(979.4928), 37.0eV, 77.600-77.602min, 1/K0=0.972
	Cmpd 83818, +MS2(979.4939), 37.0eV, 76.3min, 1/K0=0.981 #38633
	Cmpd 83653, +MS2(979.4925), 37.0eV, 76.264-76.266min, 1/K0=0.938
	Cmpd 85329, +MS2(979.4941), 37.0eV, 76.9min, 1/K0=0.968 #38931
	Cmpd 91444, +MS2(979.4955), 37.0eV, 79.300-79.302min, 1/K0=0.989
	Cmpd 83589, +MS2(979.4942), 37.0eV, 76.2min, 1/K0=0.981 #38589
	Cmpd 88167, +MS2(979.4924), 37.0eV, 78.0min, 1/K0=0.981 #39526
	Cmpd 92791, +MS2(979.4909), 37.0eV, 79.825-79.829min, 1/K0=0.991
	Cmpd 83397, +MS2(979.4921), 37.0eV, 76.16-76.17min, 1/K0=0.974 #38397
	Cmpd 68404, +MS2(1031.5253), 42.0eV, 70.7min, 1/K0=1.151 #35696
	Cmpd 68042, +MS2(1031.5220), 42.0eV, 70.632-70.635min, 1/K0=1.15
	Cmpd 8278, +MS2(462.7033), 31.9eV, 42.755-42.760min, 1/K0=0.718 #4278
	Cmpd 11440, +MS2(485.2478), 31.9eV, 44.9min, 1/K0=0.758 #22046
0.20000000.0	Cmpd 12071, +MS2(485.2482), 31.9eV, 45.4min, 1/K0=0.756 #22266
	Cmpd 25521, +MS2(497.2422), 31.9eV, 53.027-53.028min, 1/K0=0.753
	Cmpd 11432, +MS2(520.7643), 31.9eV, 44.9min, 1/K0=0.794 #22045
	Cmpd 11275, +MS2(520.7661), 31.9eV, 44.8min, 1/K0=0.789 #21992
	Cmpd 11332, +MS2(520.7665), 31.9eV, 44.9min, 1/K0=0.790 #22013
	Cmpd 12715, +MS2(520.7670), 31.9eV, 45.8min, 1/K0=0.789 #22485
	Cmpd 12066, +MS2(520.7671), 31.9eV, 45.4min, 1/K0=0.793 #22265
0.0000000200.0	Cmpd 5778, +MS2(528.7617), 31.9eV, 40.795-40.799min, 1/K0=0.797 #5778
0.0000000200.0	Cmpd 4846, +MS2(528.7627), 31.9eV, 39.923-39.926min, 1/K0=0.814 #4846
0.0000000200.0	Cmpd 1816, +MS2(528.7629), 31.9eV, 36.9min, 1/K0=0.796 #17767
0.0000000200.0	Cmpd 3412, +MS2(528.7636), 31.9eV, 38.6min, 1/K0=0.795 #18646
0.0000000200.0	Cmpd 1113, +MS2(528.7638), 31.9eV, 35.7min, 1/K0=0.793 #17106
0.0000000200.0	Cmpd 817, +MS2(528.7639), 31.9eV, 34.9min, 1/K0=0.793 #16668
	Cmpd 8231, +MS2(562.7594), 31.9eV, 42.7min, 1/K0=0.800 #20858
	Cmpd 8273, +MS2(562.7623), 31.9eV, 42.8min, 1/K0=0.798 #20879
	Cmpd 8352, +MS2(562.7623), 31.9eV, 42.8min, 1/K0=0.799 #20912
	Cmpd 32715, +MS2(565.8172), 31.9eV, 56.7min, 1/K0=0.848 #28260
	Cmpd 32569, +MS2(565.8177), 31.9eV, 56.6min, 1/K0=0.848 #28230
	Cmpd 33035, +MS2(565.8184), 31.9eV, 56.785-56.787min, 1/K0=0.828
	Cmpd 54501, +MS2(573.3108), 31.9eV, 65.5min, 1/K0=0.842 #32948
	Cmpd 32629, +MS2(601.3363), 37.0eV, 56.6min, 1/K0=0.862 #28241
	Cmpd 32817, +MS2(601.3367), 37.0eV, 56.7min, 1/K0=0.871 #28283
	Cmpd 101633, +MS2(607.7829), 37.0eV, 83.045-83.047min, 1/K0=0.86
	Cmpd 54435, +MS2(629.8567), 37.0eV, 65.516-65.518min, 1/K0=0.866
	Cmpd 98245, +MS2(647.8207), 37.0eV, 81.793-81.794min, 1/K0=0.878
	Cmpd 97825, +MS2(647.8211), 37.0eV, 81.7min, 1/K0=0.887 #41451
	Cmpd 103887, +MS2(656.3071), 37.0eV, 83.8min, 1/K0=0.872 #42584
	Cmpd 102628, +MS2(656.3074), 37.0eV, 83.4min, 1/K0=0.872 #42362
	Cmpd 106070, +MS2(656.3087), 37.0eV, 84.572-84.576min, 1/K0=0.88
	Cmpd 101245, +MS2(656.3092), 37.0eV, 82.9min, 1/K0=0.877 #42102
	Cmpd 101476, +MS2(656.3095), 37.0eV, 83.0min, 1/K0=0.876 #42143
	Cmpd 23290, +MS2(658.3570), 37.0eV, 51.896-51.898min, 1/K0=0.916

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Cmpd 32606, +MS2(658.3580), 37.0eV, 56.6min, 1/K0=0.913 #28238  
Cmpd 32763, +MS2(658.3594), 37.0eV, 56.7min, 1/K0=0.913 #28271  
Cmpd 23194, +MS2(658.3593), 37.0eV, 51.839-51.841min, 1/K0=0.917  
Cmpd 32484, +MS2(658.3716), 37.0eV, 56.568-56.572min, 1/K0=0.908  
Cmpd 87006, +MS2(664.3064), 37.0eV, 77.556-77.562min, 1/K0=0.862  
Cmpd 87075, +MS2(664.3072), 37.0eV, 77.6min, 1/K0=0.862 #39295  
Cmpd 97792, +MS2(676.3276), 37.0eV, 81.7min, 1/K0=0.883 #41448  
Cmpd 97803, +MS2(676.3299), 37.0eV, 81.672-81.678min, 1/K0=0.883  
Cmpd 99127, +MS2(676.3304), 37.0eV, 82.1min, 1/K0=0.930 #41669  
Cmpd 98299, +MS2(676.3293), 31.9eV, 81.810-81.812min, 1/K0=0.843  
Cmpd 97643, +MS2(676.3312), 37.0eV, 81.6min, 1/K0=0.929 #41417  
Cmpd 97852, +MS2(676.3338), 37.0eV, 81.689-81.691min, 1/K0=0.900  
Cmpd 97802, +MS2(676.3339), 37.0eV, 81.7min, 1/K0=0.929 #41449  
Cmpd 54583, +MS2(686.8736), 31.9eV, 65.6min, 1/K0=0.820 #32966  
Cmpd 54258, +MS2(686.8743), 37.0eV, 65.5min, 1/K0=0.904 #32903  
Cmpd 54151, +MS2(686.8744), 37.0eV, 65.4min, 1/K0=0.905 #32883  
Cmpd 54477, +MS2(686.8751), 37.0eV, 65.5min, 1/K0=0.904 #32946  
Cmpd 54551, +MS2(686.8749), 31.9eV, 65.556-65.566min, 1/K0=0.849  
Cmpd 60185, +MS2(686.8752), 37.0eV, 67.7min, 1/K0=0.900 #34092  
Cmpd 56512, +MS2(686.8762), 37.0eV, 66.4min, 1/K0=0.902 #33386  
Cmpd 55553, +MS2(686.8763), 37.0eV, 66.0min, 1/K0=0.900 #33166  
Cmpd 101303, +MS2(712.8525), 37.0eV, 82.9min, 1/K0=0.922 #42111  
Cmpd 101529, +MS2(712.8536), 37.0eV, 83.0min, 1/K0=0.922 #42153  
Cmpd 97874, +MS2(740.3627), 37.0eV, 81.7min, 1/K0=0.966 #41461  
Cmpd 97696, +MS2(740.3634), 37.0eV, 81.6min, 1/K0=0.964 #41428  
Cmpd 32509, +MS2(509.9327), 31.9eV, 56.6min, 1/K0=0.768 #28216  
Cmpd 32665, +MS2(509.9328), 31.9eV, 56.6min, 1/K0=0.768 #28249  
Cmpd 32691, +MS2(509.9330), 31.9eV, 56.651-56.653min, 1/K0=0.747  
Cmpd 32723, +MS2(509.9332), 31.9eV, 56.7min, 1/K0=0.753 #28261  
Cmpd 33621, +MS2(509.9333), 31.9eV, 57.1min, 1/K0=0.768 #28469  
Cmpd 32713, +MS2(764.3976), 37.0eV, 56.7min, 1/K0=0.995 #28260  
Cmpd 32574, +MS2(764.3981), 37.0eV, 56.606-56.609min, 1/K0=0.997  
Cmpd 69722, +MS2(767.3913), 37.0eV, 71.2min, 1/K0=0.961 #35928  
Cmpd 101598, +MS2(769.3969), 37.0eV, 83.0min, 1/K0=0.987 #42165  
Cmpd 64012, +MS2(546.6310), 31.9eV, 69.204-69.213min, 1/K0=0.780  
Cmpd 32391, +MS2(821.4174), 37.0eV, 56.522-56.526min, 1/K0=1.018  
Cmpd 34863, +MS2(821.4162), 37.0eV, 57.6min, 1/K0=1.017 #28733  
Cmpd 37826, +MS2(821.4167), 37.0eV, 58.807-58.809min, 1/K0=1.020  
Cmpd 41799, +MS2(821.4156), 37.0eV, 60.485-60.489min, 1/K0=1.021  
Cmpd 32395, +MS2(547.9471), 31.9eV, 56.526-56.530min, 1/K0=0.790  
Cmpd 34959, +MS2(821.4205), 37.0eV, 57.599-57.605min, 1/K0=0.993  
Cmpd 35652, +MS2(547.9475), 31.9eV, 57.9min, 1/K0=0.782 #28920  
Cmpd 36857, +MS2(821.4186), 37.0eV, 58.392-58.394min, 1/K0=1.029  
Cmpd 32459, +MS2(547.9479), 31.9eV, 56.6min, 1/K0=0.787 #28205  
Cmpd 32553, +MS2(547.9478), 31.9eV, 56.6min, 1/K0=0.790 #28227  
Cmpd 32933, +MS2(547.9479), 31.9eV, 56.7min, 1/K0=0.812 #28306  
Cmpd 33528, +MS2(547.9480), 31.9eV, 57.0min, 1/K0=0.786 #28447  
Cmpd 38784, +MS2(821.4176), 37.0eV, 59.222-59.224min, 1/K0=1.020

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Cmpd 32847, +MS2(821.4191), 31.9eV, 56.719-56.721min, 1/K0=0.774  
Cmpd 32695, +MS2(821.4189), 31.9eV, 56.7min, 1/K0=0.773 #28257  
Cmpd 32455, +MS2(821.4192), 37.0eV, 56.6min, 1/K0=1.020 #28205  
Cmpd 33778, +MS2(821.4192), 37.0eV, 57.1min, 1/K0=1.017 #28513  
Cmpd 35800, +MS2(821.4194), 37.0eV, 58.0min, 1/K0=1.018 #28953  
Cmpd 43031, +MS2(821.4198), 37.0eV, 61.01-61.03min, 1/K0=1.017 #28205  
Cmpd 39695, +MS2(821.4199), 37.0eV, 59.64-59.65min, 1/K0=1.020 #28205  
Cmpd 33062, +MS2(821.4201), 31.9eV, 56.797-56.802min, 1/K0=0.776  
Cmpd 32549, +MS2(821.4213), 37.0eV, 56.6min, 1/K0=1.018 #28227  
Cmpd 40764, +MS2(821.4196), 37.0eV, 60.056-60.060min, 1/K0=1.025  
Cmpd 33476, +MS2(821.4225), 37.0eV, 57.0min, 1/K0=1.002 #28436  
Cmpd 99068, +MS2(821.8931), 37.0eV, 82.1min, 1/K0=0.981 #41658  
Cmpd 98839, +MS2(821.8943), 37.0eV, 82.0min, 1/K0=0.961 #41614  
Cmpd 99525, +MS2(821.8948), 37.0eV, 82.243-82.245min, 1/K0=1.004  
Cmpd 97591, +MS2(821.8960), 37.0eV, 81.6min, 1/K0=0.979 #41407  
Cmpd 97746, +MS2(821.8970), 37.0eV, 81.7min, 1/K0=0.980 #41438  
Cmpd 101605, +MS2(850.9289), 37.0eV, 83.0min, 1/K0=1.017 #42166  
Cmpd 70360, +MS2(873.4706), 42.0eV, 71.4min, 1/K0=1.100 #36038  
Cmpd 71428, +MS2(873.4692), 42.0eV, 71.813-71.815min, 1/K0=1.097  
Cmpd 69649, +MS2(873.4724), 42.0eV, 71.164-71.166min, 1/K0=1.087  
Cmpd 69791, +MS2(873.4735), 42.0eV, 71.2min, 1/K0=1.084 #35939  
Cmpd 97846, +MS2(585.9559), 31.9eV, 81.685-81.687min, 1/K0=0.793  
Cmpd 98687, +MS2(878.4391), 42.0eV, 81.938-81.940min, 1/K0=1.081  
Cmpd 97685, +MS2(878.4399), 42.0eV, 81.6min, 1/K0=1.062 #41427  
Cmpd 97800, +MS2(878.4404), 37.0eV, 81.7min, 1/K0=1.034 #41449  
Cmpd 97590, +MS2(878.4407), 42.0eV, 81.593-81.595min, 1/K0=1.064  
Cmpd 97862, +MS2(878.4428), 42.0eV, 81.7min, 1/K0=1.061 #41460  
Cmpd 101365, +MS2(878.4405), 42.0eV, 82.95-82.96min, 1/K0=1.056 #41460  
Cmpd 64099, +MS2(598.6591), 31.9eV, 69.2min, 1/K0=0.825 #34905  
Cmpd 63921, +MS2(897.4856), 42.0eV, 69.16-69.18min, 1/K0=1.075 #41460  
Cmpd 63964, +MS2(598.6601), 31.9eV, 69.2min, 1/K0=0.826 #34872  
Cmpd 64141, +MS2(897.4894), 42.0eV, 69.3min, 1/K0=1.093 #34915  
Cmpd 101727, +MS2(605.6310), 31.9eV, 83.078-83.079min, 1/K0=0.81  
Cmpd 101507, +MS2(907.9511), 37.0eV, 83.007-83.009min, 1/K0=1.02  
Cmpd 101473, +MS2(907.9513), 37.0eV, 83.0min, 1/K0=1.041 #42143  
Cmpd 101309, +MS2(907.9522), 37.0eV, 82.9min, 1/K0=1.043 #42112  
Cmpd 101541, +MS2(907.9510), 37.0eV, 83.0min, 1/K0=1.024 #42155  
Cmpd 87092, +MS2(610.9610), 31.9eV, 77.585-77.593min, 1/K0=0.769  
Cmpd 97767, +MS2(623.6518), 31.9eV, 81.657-81.659min, 1/K0=0.849  
Cmpd 101750, +MS2(934.9791), 42.0eV, 83.089-83.093min, 1/K0=1.09  
Cmpd 97708, +MS2(934.9817), 42.0eV, 81.636-81.638min, 1/K0=1.094  
Cmpd 99295, +MS2(934.9821), 42.0eV, 82.2min, 1/K0=1.096 #41703  
Cmpd 98005, +MS2(934.9825), 42.0eV, 81.7min, 1/K0=1.105 #41482  
Cmpd 97799, +MS2(934.9837), 42.0eV, 81.7min, 1/K0=1.096 #41449  
Cmpd 99263, +MS2(934.9843), 42.0eV, 82.146-82.148min, 1/K0=1.078  
Cmpd 107504, +MS2(661.9953), 31.9eV, 84.953-84.959min, 1/K0=0.84  
Cmpd 97948, +MS2(999.5036), 42.0eV, 81.7min, 1/K0=1.126 #41473  
Cmpd 98048, +MS2(999.5032), 42.0eV, 81.7min, 1/K0=1.123 #41485



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Cmpd 101131, +MS2(1021.0287), 42.0eV, 82.874-82.879min, 1/K0=1.1  
Cmpd 102484, +MS2(681.0222), 31.9eV, 83.4min, 1/K0=0.848 #42340  
Cmpd 101144, +MS2(681.0221), 31.9eV, 82.879-82.881min, 1/K0=0.84  
Cmpd 101360, +MS2(681.0226), 31.9eV, 83.0min, 1/K0=0.855 #42121  
Cmpd 101225, +MS2(1021.0350), 42.0eV, 82.9min, 1/K0=1.126 #42100  
Cmpd 103815, +MS2(1021.0338), 42.0eV, 83.8min, 1/K0=1.123 #42575  
Cmpd 101407, +MS2(1021.0352), 42.0eV, 83.0min, 1/K0=1.125 #42131  
Cmpd 102553, +MS2(1021.0384), 42.0eV, 83.4min, 1/K0=1.119 #42352  
Cmpd 97693, +MS2(1028.0143), 42.0eV, 81.633-81.634min, 1/K0=1.13  
Cmpd 98187, +MS2(1028.0138), 42.0eV, 81.8min, 1/K0=1.115 #41504  
Cmpd 97938, +MS2(1028.0149), 42.0eV, 81.7min, 1/K0=1.135 #41472  
Cmpd 99256, +MS2(1028.0169), 42.0eV, 82.140-82.146min, 1/K0=1.13  
Cmpd 87123, +MS2(686.3521), 31.9eV, 77.6min, 1/K0=0.815 #39304  
Cmpd 87048, +MS2(1029.0291), 42.0eV, 77.6min, 1/K0=1.116 #39293  
Cmpd 83203, +MS2(694.9987), 31.9eV, 76.099-76.102min, 1/K0=0.806  
Cmpd 97835, +MS2(704.6829), 37.0eV, 81.7min, 1/K0=0.897 #41453  
Cmpd 97798, +MS2(1056.5224), 42.0eV, 81.7min, 1/K0=1.164 #41449  
Cmpd 97662, +MS2(1056.5247), 42.0eV, 81.623-81.627min, 1/K0=1.16  
Cmpd 102987, +MS2(709.3918), 31.9eV, 83.537-83.542min, 1/K0=0.82  
Cmpd 102716, +MS2(1063.5948), 42.0eV, 83.4min, 1/K0=1.191 #42375  
Cmpd 103019, +MS2(1063.5948), 42.0eV, 83.6min, 1/K0=1.192 #42435  
Cmpd 99275, +MS2(738.3661), 37.0eV, 82.150-82.152min, 1/K0=0.919  
Cmpd 97928, +MS2(738.3642), 37.0eV, 81.7min, 1/K0=0.911 #41471  
Cmpd 97697, +MS2(738.3653), 37.0eV, 81.633-81.638min, 1/K0=0.909  
Cmpd 97712, +MS2(1107.0485), 42.0eV, 81.638-81.644min, 1/K0=1.19  
Cmpd 97810, +MS2(1107.0457), 42.0eV, 81.7min, 1/K0=1.195 #41450  
Cmpd 99133, +MS2(1107.0495), 42.0eV, 82.095-82.097min, 1/K0=1.19  
Cmpd 108797, +MS2(1122.1363), 42.0eV, 85.274-85.278min, 1/K0=1.2  
Cmpd 120762, +MS2(1146.0578), 42.0eV, 88.333-88.335min, 1/K0=1.1  
Cmpd 98080, +MS2(1163.5877), 42.0eV, 81.749-81.751min, 1/K0=1.24  
Cmpd 116696, +MS2(807.0711), 37.0eV, 87.3min, 1/K0=0.906 #44356  
Cmpd 122335, +MS2(949.1563), 37.0eV, 88.7min, 1/K0=0.989 #45112  
Cmpd 120709, +MS2(949.1577), 37.0eV, 88.3min, 1/K0=0.991 #44903  
Cmpd 120665, +MS2(949.1570), 37.0eV, 88.3min, 1/K0=0.990 #44896  
Cmpd 119398, +MS2(991.8518), 37.0eV, 87.994-87.996min, 1/K0=0.97  
Cmpd 98131, +MS2(1042.4978), 37.0eV, 81.8min, 1/K0=0.956 #41494  
Cmpd 98275, +MS2(1042.5031), 37.0eV, 81.800-81.802min, 1/K0=1.00  
Cmpd 97707, +MS2(1113.2199), 42.0eV, 81.636-81.638min, 1/K0=1.13  
Cmpd 98400, +MS2(1113.2195), 37.0eV, 81.8min, 1/K0=1.002 #41537  
Cmpd 98896, +MS2(1113.2199), 42.0eV, 82.0min, 1/K0=1.068 #41625  
Cmpd 97820, +MS2(1113.2196), 42.0eV, 81.7min, 1/K0=1.141 #41451  
Cmpd 98263, +MS2(1113.2200), 37.0eV, 81.8min, 1/K0=1.029 #41515  
Cmpd 97811, +MS2(1113.2205), 42.0eV, 81.7min, 1/K0=1.124 #41450  
Cmpd 98188, +MS2(1113.2213), 37.0eV, 81.8min, 1/K0=1.049 #41504  
Cmpd 97559, +MS2(1113.2238), 42.0eV, 81.585-81.587min, 1/K0=1.08  
Cmpd 97882, +MS2(1113.2204), 37.0eV, 81.7min, 1/K0=1.004 #41462  
Cmpd 99177, +MS2(1113.2215), 42.0eV, 82.1min, 1/K0=1.096 #41680  
Cmpd 97881, +MS2(1113.2207), 42.0eV, 81.7min, 1/K0=1.088 #41462

Cmpd 97694, +MS2(1113.2231), 42.0eV, 81.6min, 1/K0=1.084 #41428  
Cmpd 97599, +MS2(1113.2227), 42.0eV, 81.597-81.600min, 1/K0=1.07  
Cmpd 123190, +MS2(1122.9330), 37.0eV, 89.0min, 1/K0=1.019 #45246  
Cmpd 122500, +MS2(1165.6337), 37.0eV, 88.8min, 1/K0=1.026 #45135  
Cmpd 122653, +MS2(1165.6330), 37.0eV, 88.8min, 1/K0=1.025 #45156  
Cmpd 15807, +MS2(433.2822), 31.9eV, 47.7min, 1/K0=0.778 #23530  
Cmpd 15537, +MS2(433.2823), 31.9eV, 47.567-47.570min, 1/K0=0.782  
Cmpd 15610, +MS2(433.2825), 31.9eV, 47.6min, 1/K0=0.780 #23465  
Cmpd 19437, +MS2(478.2968), 31.9eV, 49.833-49.836min, 1/K0=0.760  
Cmpd 28879, +MS2(530.2579), 31.9eV, 54.826-54.828min, 1/K0=0.807  
Cmpd 27213, +MS2(532.2692), 31.9eV, 53.895-53.897min, 1/K0=0.771  
Cmpd 27319, +MS2(532.2686), 31.9eV, 53.944-53.951min, 1/K0=0.765  
Cmpd 61123, +MS2(543.3184), 31.9eV, 68.047-68.049min, 1/K0=0.812  
Cmpd 2957, +MS2(544.2917), 31.9eV, 38.1min, 1/K0=0.804 #18372  
Cmpd 2854, +MS2(544.2924), 31.9eV, 37.978-37.983min, 1/K0=0.804 #18372  
Cmpd 87811, +MS2(549.2635), 31.9eV, 77.9min, 1/K0=0.825 #39448  
Cmpd 44442, +MS2(570.3629), 31.9eV, 61.5min, 1/K0=0.841 #30824  
Cmpd 44214, +MS2(570.3633), 31.9eV, 61.45-61.47min, 1/K0=0.840 #31044  
Cmpd 45481, +MS2(570.3669), 31.9eV, 61.9min, 1/K0=0.842 #31044  
Cmpd 80340, +MS2(577.8699), 37.0eV, 75.033-75.041min, 1/K0=0.862  
Cmpd 87799, +MS2(592.7805), 31.9eV, 77.9min, 1/K0=0.855 #39447  
Cmpd 87593, +MS2(592.7810), 31.9eV, 77.8min, 1/K0=0.852 #39404  
Cmpd 41723, +MS2(594.8064), 31.9eV, 60.5min, 1/K0=0.823 #30264  
Cmpd 27231, +MS2(596.7931), 31.9eV, 53.901-53.902min, 1/K0=0.819  
Cmpd 15099, +MS2(610.3189), 37.0eV, 47.3min, 1/K0=0.860 #23277  
Cmpd 14965, +MS2(610.3198), 37.0eV, 47.2min, 1/K0=0.857 #23233  
Cmpd 15165, +MS2(610.3201), 37.0eV, 47.3min, 1/K0=0.878 #23299  
Cmpd 46353, +MS2(622.3532), 37.0eV, 62.3min, 1/K0=0.877 #31254  
Cmpd 45194, +MS2(622.3542), 37.0eV, 61.8min, 1/K0=0.876 #30977  
Cmpd 45042, +MS2(622.3551), 37.0eV, 61.7min, 1/K0=0.872 #30944  
Cmpd 45428, +MS2(622.3555), 37.0eV, 61.9min, 1/K0=0.879 #31032  
Cmpd 41816, +MS2(623.3214), 31.9eV, 60.5min, 1/K0=0.842 #30284  
Cmpd 111386, +MS2(627.3678), 37.0eV, 85.925-85.927min, 1/K0=0.89  
Cmpd 52994, +MS2(637.8289), 37.0eV, 64.960-64.962min, 1/K0=0.868  
Cmpd 87715, +MS2(649.3253), 37.0eV, 77.8min, 1/K0=0.887 #39428  
Cmpd 33816, +MS2(653.3324), 37.0eV, 57.154-57.158min, 1/K0=0.890  
Cmpd 32474, +MS2(653.3324), 37.0eV, 56.560-56.562min, 1/K0=0.857  
Cmpd 30172, +MS2(653.3341), 37.0eV, 55.5min, 1/K0=0.867 #27624  
Cmpd 28830, +MS2(653.3343), 31.9eV, 54.796-54.798min, 1/K0=0.854  
Cmpd 28651, +MS2(653.3349), 37.0eV, 54.7min, 1/K0=0.870 #27227  
Cmpd 27894, +MS2(653.3349), 37.0eV, 54.3min, 1/K0=0.866 #27006  
Cmpd 27073, +MS2(653.3349), 37.0eV, 53.8min, 1/K0=0.862 #26755  
Cmpd 29559, +MS2(653.3357), 37.0eV, 55.1min, 1/K0=0.870 #27460  
Cmpd 27184, +MS2(653.3358), 37.0eV, 53.9min, 1/K0=0.862 #26786  
Cmpd 30696, +MS2(653.3340), 37.0eV, 55.7min, 1/K0=0.869 #27756  
Cmpd 53267, +MS2(657.8707), 37.0eV, 65.1min, 1/K0=0.898 #32693  
Cmpd 53418, +MS2(657.8713), 37.0eV, 65.1min, 1/K0=0.894 #32726  
Cmpd 53256, +MS2(657.8764), 37.0eV, 65.1min, 1/K0=0.903 #32692

0.0200000000000.0

Cmpd 56532, +MS2(657.8715), 37.0eV, 66.4min, 1/K0=0.899 #33389  
Cmpd 54500, +MS2(657.8723), 37.0eV, 65.5min, 1/K0=0.895 #32948  
Cmpd 42610, +MS2(672.8514), 37.0eV, 60.8min, 1/K0=0.874 #30460  
Cmpd 44840, +MS2(672.8520), 37.0eV, 61.7min, 1/K0=0.873 #30901  
Cmpd 41858, +MS2(672.8521), 37.0eV, 60.5min, 1/K0=0.937 #30294  
Cmpd 46747, +MS2(672.8530), 37.0eV, 62.5min, 1/K0=0.878 #31341  
Cmpd 42485, +MS2(672.8520), 31.9eV, 60.768-60.769min, 1/K0=0.827  
Cmpd 48180, +MS2(672.8533), 37.0eV, 63.024-63.026min, 1/K0=0.870  
Cmpd 41597, +MS2(672.8537), 37.0eV, 60.4min, 1/K0=0.876 #30240  
Cmpd 45789, +MS2(672.8538), 37.0eV, 62.1min, 1/K0=0.879 #31121  
Cmpd 51601, +MS2(672.8541), 37.0eV, 64.427-64.430min, 1/K0=0.868  
Cmpd 41941, +MS2(672.8542), 37.0eV, 60.537-60.539min, 1/K0=0.937  
Cmpd 41346, +MS2(672.8543), 37.0eV, 60.3min, 1/K0=0.874 #30185  
Cmpd 41900, +MS2(672.8544), 37.0eV, 60.5min, 1/K0=0.937 #30301  
Cmpd 41653, +MS2(672.8531), 31.9eV, 60.4min, 1/K0=0.813 #30251  
Cmpd 43538, +MS2(672.8550), 37.0eV, 61.2min, 1/K0=0.879 #30680  
Cmpd 50361, +MS2(672.8558), 37.0eV, 63.9min, 1/K0=0.882 #32099  
Cmpd 41446, +MS2(672.8560), 37.0eV, 60.3min, 1/K0=0.876 #30207  
Cmpd 44941, +MS2(672.8584), 37.0eV, 61.700-61.702min, 1/K0=0.900  
Cmpd 14996, +MS2(674.8423), 37.0eV, 47.2min, 1/K0=0.890 #23244  
Cmpd 81483, +MS2(677.9118), 37.0eV, 75.4min, 1/K0=0.947 #38171  
Cmpd 80320, +MS2(677.9128), 37.0eV, 75.0min, 1/K0=0.948 #37951  
Cmpd 15029, +MS2(731.3862), 37.0eV, 47.2min, 1/K0=0.941 #23255  
Cmpd 52976, +MS2(744.8981), 37.0eV, 64.951-64.952min, 1/K0=0.928  
Cmpd 54197, +MS2(744.8990), 37.0eV, 65.4min, 1/K0=0.931 #32892  
Cmpd 53161, +MS2(744.8997), 37.0eV, 65.0min, 1/K0=0.929 #32673  
Cmpd 55479, +MS2(744.9001), 37.0eV, 65.917-65.921min, 1/K0=0.935  
Cmpd 74128, +MS2(749.3499), 37.0eV, 72.8min, 1/K0=0.907 #36785  
Cmpd 73905, +MS2(749.3492), 37.0eV, 72.7min, 1/K0=0.927 #36742  
Cmpd 50623, +MS2(757.3493), 37.0eV, 64.017-64.021min, 1/K0=0.922  
Cmpd 87971, +MS2(759.3648), 37.0eV, 77.9min, 1/K0=0.894 #39483  
Cmpd 87961, +MS2(759.3648), 31.9eV, 77.934-77.936min, 1/K0=0.849  
Cmpd 88505, +MS2(759.3672), 37.0eV, 78.2min, 1/K0=0.931 #39601  
Cmpd 87903, +MS2(759.3671), 37.0eV, 77.9min, 1/K0=0.910 #39469  
Cmpd 87999, +MS2(759.3673), 37.0eV, 78.0min, 1/K0=0.912 #39491  
Cmpd 88772, +MS2(759.3674), 37.0eV, 78.3min, 1/K0=0.959 #39658  
Cmpd 87570, +MS2(759.3678), 37.0eV, 77.780-77.784min, 1/K0=0.973  
Cmpd 87950, +MS2(759.3685), 37.0eV, 77.9min, 1/K0=0.975 #39480  
Cmpd 87998, +MS2(759.3687), 37.0eV, 78.0min, 1/K0=0.971 #39491  
Cmpd 87746, +MS2(759.3684), 37.0eV, 77.8min, 1/K0=0.947 #39436  
Cmpd 87533, +MS2(759.3688), 37.0eV, 77.8min, 1/K0=0.941 #39392  
Cmpd 91062, +MS2(759.3692), 37.0eV, 79.1min, 1/K0=0.958 #40120  
Cmpd 13996, +MS2(764.8853), 37.0eV, 46.538-46.540min, 1/K0=0.912  
Cmpd 14723, +MS2(764.8868), 37.0eV, 47.0min, 1/K0=0.910 #23145  
Cmpd 14087, +MS2(764.8874), 37.0eV, 46.6min, 1/K0=0.912 #22925  
Cmpd 15369, +MS2(764.8892), 37.0eV, 47.435-47.445min, 1/K0=0.912  
Cmpd 14236, +MS2(764.8903), 31.9eV, 46.694-46.700min, 1/K0=0.757  
Cmpd 14210, +MS2(764.8890), 31.9eV, 46.7min, 1/K0=0.763 #22968

	Cmpd 27655, +MS2(766.3796), 37.0eV, 54.154-54.158min, 1/K0=0.924
	Cmpd 29379, +MS2(766.3799), 37.0eV, 55.1min, 1/K0=0.930 #27413
	Cmpd 27672, +MS2(766.3802), 37.0eV, 54.2min, 1/K0=0.926 #26940
	Cmpd 27774, +MS2(766.3815), 37.0eV, 54.2min, 1/K0=0.927 #26973
	Cmpd 27853, +MS2(766.3822), 37.0eV, 54.3min, 1/K0=0.941 #26995
	Cmpd 28529, +MS2(766.3819), 37.0eV, 54.6min, 1/K0=0.932 #27193
	Cmpd 27737, +MS2(766.3815), 37.0eV, 54.209-54.211min, 1/K0=0.943
	Cmpd 92316, +MS2(783.9599), 37.0eV, 79.6min, 1/K0=0.972 #40383
	Cmpd 93687, +MS2(783.9604), 37.0eV, 80.2min, 1/K0=0.972 #40669
	Cmpd 92146, +MS2(783.9606), 37.0eV, 79.6min, 1/K0=0.968 #40349
	Cmpd 92758, +MS2(783.9621), 37.0eV, 79.8min, 1/K0=0.959 #40470
	Cmpd 92625, +MS2(783.9634), 37.0eV, 79.8min, 1/K0=0.975 #40448
	Cmpd 81328, +MS2(813.4464), 42.0eV, 75.393-75.396min, 1/K0=1.061
	Cmpd 82493, +MS2(835.4093), 37.0eV, 75.8min, 1/K0=1.024 #38369
	Cmpd 82765, +MS2(835.4114), 37.0eV, 75.9min, 1/K0=1.027 #38426
	Cmpd 11268, +MS2(562.2925), 31.9eV, 44.8min, 1/K0=0.778 #21990
	Cmpd 10993, +MS2(842.9392), 37.0eV, 44.7min, 1/K0=0.975 #21891
	Cmpd 71593, +MS2(851.4836), 37.0eV, 71.9min, 1/K0=1.024 #36290
	Cmpd 71368, +MS2(851.4848), 37.0eV, 71.790-71.792min, 1/K0=1.027
	Cmpd 98909, +MS2(871.9751), 37.0eV, 82.0min, 1/K0=1.050 #41626
	Cmpd 122317, +MS2(896.5355), 37.0eV, 88.7min, 1/K0=1.047 #45110
	Cmpd 122279, +MS2(910.5374), 37.0eV, 88.7min, 1/K0=1.047 #45102
	Cmpd 122251, +MS2(910.5418), 37.0eV, 88.7min, 1/K0=1.039 #45099
0.00000000000000200.0	Cmpd 92153, +MS2(932.9258), 37.0eV, 79.6min, 1/K0=1.048 #40350
0.00000000000000200.0	Cmpd 91905, +MS2(932.9270), 37.0eV, 79.5min, 1/K0=1.050 #40295
	Cmpd 82588, +MS2(629.9637), 31.9eV, 75.9min, 1/K0=0.829 #38391
	Cmpd 82188, +MS2(944.4424), 42.0eV, 75.703-75.710min, 1/K0=1.110
	Cmpd 89627, +MS2(944.4430), 42.0eV, 78.62-78.64min, 1/K0=1.099 #40350
	Cmpd 82753, +MS2(944.4426), 42.0eV, 75.9min, 1/K0=1.123 #38425
	Cmpd 86068, +MS2(944.4433), 42.0eV, 77.2min, 1/K0=1.109 #39085
	Cmpd 82743, +MS2(944.4434), 42.0eV, 75.9min, 1/K0=1.111 #38424
	Cmpd 90412, +MS2(944.4466), 42.0eV, 78.903-78.906min, 1/K0=1.109
	Cmpd 82449, +MS2(944.4446), 42.0eV, 75.8min, 1/K0=1.108 #38359
	Cmpd 84998, +MS2(944.4449), 42.0eV, 76.8min, 1/K0=1.110 #38865
	Cmpd 92558, +MS2(944.4453), 42.0eV, 79.744-79.748min, 1/K0=1.108
	Cmpd 83873, +MS2(944.4457), 42.0eV, 76.3min, 1/K0=1.112 #38644
	Cmpd 89286, +MS2(944.4443), 42.0eV, 78.467-78.472min, 1/K0=1.094
	Cmpd 104786, +MS2(944.4482), 42.0eV, 84.157-84.159min, 1/K0=1.11
	Cmpd 89238, +MS2(944.4466), 42.0eV, 78.448-78.450min, 1/K0=1.101
	Cmpd 103606, +MS2(944.4480), 42.0eV, 83.740-83.742min, 1/K0=1.11
	Cmpd 82293, +MS2(944.4458), 42.0eV, 75.7min, 1/K0=1.110 #38326
0.00000000000000200.0	Cmpd 103718, +MS2(948.4109), 37.0eV, 83.779-83.782min, 1/K0=1.02
0.000000000020000000.0	Cmpd 104893, +MS2(948.4125), 37.0eV, 84.191-84.193min, 1/K0=1.02
0.0200000000000000.0	Cmpd 66774, +MS2(952.4403), 42.0eV, 70.185-70.187min, 1/K0=1.106
0.0200000000000000.0	Cmpd 63588, +MS2(635.2961), 31.9eV, 69.0min, 1/K0=0.835 #34794
0.0200000000000000.0	Cmpd 63329, +MS2(952.4423), 42.0eV, 68.9min, 1/K0=1.098 #34739
0.000000000020000.0	Cmpd 55646, +MS2(952.4423), 42.0eV, 66.0min, 1/K0=1.099 #33188
0.0200000000000000.0	Cmpd 63299, +MS2(635.2974), 31.9eV, 68.9min, 1/K0=0.833 #34730

0.00000000000020000.0

Cmpd 82688, +MS2(952.4441), 42.0eV, 75.9min, 1/K0=1.099 #38413  
 Cmpd 15762, +MS2(638.0127), 31.9eV, 47.711-47.715min, 1/K0=0.842  
 Cmpd 14407, +MS2(638.0144), 31.9eV, 46.8min, 1/K0=0.842 #23035  
 Cmpd 15038, +MS2(638.0148), 31.9eV, 47.2min, 1/K0=0.842 #23256  
 Cmpd 13629, +MS2(638.0146), 31.9eV, 46.4min, 1/K0=0.844 #22793  
 Cmpd 13738, +MS2(638.0147), 31.9eV, 46.4min, 1/K0=0.846 #22815  
 Cmpd 13764, +MS2(638.0186), 31.9eV, 46.401-46.404min, 1/K0=0.764  
 Cmpd 121274, +MS2(974.5869), 42.0eV, 88.5min, 1/K0=1.099 #44972  
 Cmpd 122853, +MS2(974.5858), 42.0eV, 88.9min, 1/K0=1.101 #45190  
 Cmpd 121331, +MS2(974.5878), 42.0eV, 88.5min, 1/K0=1.103 #44980  
 Cmpd 81149, +MS2(1028.0406), 42.0eV, 75.328-75.330min, 1/K0=1.22  
 Cmpd 106326, +MS2(1032.4702), 42.0eV, 84.6min, 1/K0=1.103 #43016  
 Cmpd 59156, +MS2(694.3636), 31.9eV, 67.3min, 1/K0=0.783 #33881  
 Cmpd 119638, +MS2(1081.0634), 42.0eV, 88.058-88.062min, 1/K0=1.2  
 Cmpd 118202, +MS2(736.1153), 37.0eV, 87.6min, 1/K0=0.915 #44554  
 Cmpd 118156, +MS2(736.1175), 37.0eV, 87.6min, 1/K0=0.912 #44550  
 Cmpd 108340, +MS2(738.7186), 37.0eV, 85.2min, 1/K0=0.911 #43275  
 Cmpd 108222, +MS2(738.7210), 37.0eV, 85.1min, 1/K0=0.921 #43260  
 Cmpd 119709, +MS2(1173.6044), 47.0eV, 88.078-88.082min, 1/K0=1.3  
 Cmpd 116703, +MS2(853.4152), 37.0eV, 87.3min, 1/K0=1.018 #44357  
 Cmpd 116687, +MS2(853.4129), 37.0eV, 87.3min, 1/K0=0.909 #44355

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Cmpd 104992, +MS2(858.7420), 37.0eV, 84.2min, 1/K0=0.899 #42791  
 Cmpd 114159, +MS2(868.4212), 42.0eV, 86.6min, 1/K0=1.063 #44025  
 Cmpd 116125, +MS2(868.4218), 42.0eV, 87.122-87.125min, 1/K0=1.05

0.0000000000000000000000000000200. Cmpd 103037, +MS2(1310.1204), 42.0eV, 83.6min, 1/K0=1.219 #42441

0.000000000000000000000000020000000. Cmpd 104289, +MS2(1310.1211), 42.0eV, 84.0min, 1/K0=1.221 #42661

0.000000000000000000000000020000000. Cmpd 104936, +MS2(1310.1223), 42.0eV, 84.208-84.210min, 1/K0=1.2

0.000000000000000000000000020000000. Cmpd 105303, +MS2(873.7529), 42.0eV, 84.3min, 1/K0=1.058 #42847

0.000000000000000000000000020000000. Cmpd 105509, +MS2(1310.1208), 42.0eV, 84.401-84.403min, 1/K0=1.2

0.0000000000000000000000000200. Cmpd 102830, +MS2(1310.1192), 42.0eV, 83.478-83.480min, 1/K0=1.2

0.0000000000000000000000000200. Cmpd 104162, +MS2(1310.1251), 42.0eV, 83.934-83.938min, 1/K0=1.2

0.0000000000000000000000000200. Cmpd 103396, +MS2(1310.1255), 42.0eV, 83.7min, 1/K0=1.199 #42505

0.0000000000000000000000000200. Cmpd 102868, +MS2(873.7544), 42.0eV, 83.5min, 1/K0=1.056 #42406

0.0000000000000000000000000200. Cmpd 104105, +MS2(873.7539), 42.0eV, 83.9min, 1/K0=1.063 #42626

0.0000000000000000000000000200. Cmpd 102706, +MS2(873.7550), 42.0eV, 83.432-83.434min, 1/K0=1.05

Cmpd 121788, +MS2(878.5150), 42.0eV, 88.6min, 1/K0=1.066 #45037

0.000000000000000000000000020000200. Cmpd 74807, +MS2(1318.1196), 42.0eV, 73.066-73.069min, 1/K0=1.22

0.000000000000000000000000020000200. Cmpd 73624, +MS2(1318.1213), 42.0eV, 72.633-72.641min, 1/K0=1.22

0.000000000000000000000000020000200. Cmpd 74864, +MS2(879.0841), 37.0eV, 73.1min, 1/K0=1.053 #36928

0.000000000000000000000000020000200. Cmpd 103006, +MS2(879.0865), 42.0eV, 83.550-83.552min, 1/K0=1.05

0.000000000000000000000000020000200. Cmpd 103077, +MS2(879.0863), 42.0eV, 83.576-83.578min, 1/K0=1.05

0.000000000000000000000000020000200. Cmpd 73713, +MS2(879.0851), 37.0eV, 72.7min, 1/K0=1.053 #36708

0.000000000000000000000000020000200. Cmpd 103963, +MS2(1318.1183), 42.0eV, 83.863-83.867min, 1/K0=1.2

0.000000000000000000000000020000200. Cmpd 73448, +MS2(879.0858), 37.0eV, 72.569-72.571min, 1/K0=1.047

Cmpd 119657, +MS2(915.8135), 42.0eV, 88.1min, 1/K0=1.085 #44771  
 Cmpd 119498, +MS2(915.8156), 42.0eV, 88.0min, 1/K0=1.084 #44749  
 Cmpd 120547, +MS2(941.1577), 42.0eV, 88.3min, 1/K0=1.057 #44882  
 Cmpd 120536, +MS2(970.1673), 42.0eV, 88.3min, 1/K0=1.066 #44881

Cmpd 120494, +MS2(970.1671), 42.0eV, 88.3min, 1/K0=1.067 #44876  
Cmpd 120546, +MS2(1007.8627), 42.0eV, 88.3min, 1/K0=1.103 #44882  
Cmpd 120535, +MS2(1081.2235), 42.0eV, 88.3min, 1/K0=1.150 #44881  
Cmpd 120790, +MS2(1081.2230), 42.0eV, 88.3min, 1/K0=1.151 #44914  
Cmpd 46353, +MS2(622.3532), 37.0eV, 62.3min, 1/K0=0.877 #31254  
Cmpd 45194, +MS2(622.3542), 37.0eV, 61.8min, 1/K0=0.876 #30977  
Cmpd 45042, +MS2(622.3551), 37.0eV, 61.7min, 1/K0=0.872 #30944  
Cmpd 45428, +MS2(622.3555), 37.0eV, 61.9min, 1/K0=0.879 #31032  
Cmpd 22324, +MS2(644.8374), 37.0eV, 51.327-51.329min, 1/K0=0.860  
Cmpd 22437, +MS2(644.8384), 37.0eV, 51.4min, 1/K0=0.861 #25478  
Cmpd 15772, +MS2(654.8763), 37.0eV, 47.72-47.74min, 1/K0=0.902 #44876  
Cmpd 53267, +MS2(657.8707), 37.0eV, 65.1min, 1/K0=0.898 #32693  
Cmpd 53418, +MS2(657.8713), 37.0eV, 65.1min, 1/K0=0.894 #32726  
Cmpd 53256, +MS2(657.8764), 37.0eV, 65.1min, 1/K0=0.903 #32692  
Cmpd 56532, +MS2(657.8715), 37.0eV, 66.4min, 1/K0=0.899 #33389  
Cmpd 54500, +MS2(657.8723), 37.0eV, 65.5min, 1/K0=0.895 #32948  
Cmpd 20838, +MS2(726.3602), 37.0eV, 50.6min, 1/K0=0.901 #25048  
Cmpd 20625, +MS2(726.3604), 37.0eV, 50.474-50.476min, 1/K0=0.904  
Cmpd 95027, +MS2(767.3669), 37.0eV, 80.7min, 1/K0=0.954 #40956  
Cmpd 94941, +MS2(767.3681), 37.0eV, 80.7min, 1/K0=0.953 #40942  
Cmpd 100252, +MS2(1004.4554), 42.0eV, 82.5min, 1/K0=1.083 #41901  
Cmpd 100844, +MS2(1004.4573), 37.0eV, 82.770-82.774min, 1/K0=1.083  
Cmpd 99964, +MS2(1004.4550), 42.0eV, 82.414-82.418min, 1/K0=1.083  
Cmpd 74973, +MS2(820.7877), 37.0eV, 73.123-73.125min, 1/K0=0.887  
Cmpd 1617, +MS2(564.3178), 31.9eV, 36.675-36.679min, 1/K0=0.830 #44876  
Cmpd 97044, +MS2(567.7938), 31.9eV, 81.403-81.405min, 1/K0=0.802  
Cmpd 3146, +MS2(620.8549), 37.0eV, 38.281-38.284min, 1/K0=0.875 #44876  
Cmpd 2297, +MS2(620.8568), 37.0eV, 37.4min, 1/K0=0.874 #18041  
Cmpd 1497, +MS2(620.8561), 37.0eV, 36.531-36.533min, 1/K0=0.875 #44876  
Cmpd 1565, +MS2(620.8571), 37.0eV, 36.6min, 1/K0=0.876 #17601  
Cmpd 1892, +MS2(620.8578), 37.0eV, 37.0min, 1/K0=0.875 #17821  
Cmpd 1531, +MS2(620.8581), 37.0eV, 36.6min, 1/K0=0.876 #17579  
Cmpd 2709, +MS2(620.8589), 37.0eV, 37.848-37.850min, 1/K0=0.874 #44876  
Cmpd 36593, +MS2(667.8292), 37.0eV, 58.295-58.297min, 1/K0=0.861  
Cmpd 96710, +MS2(667.8528), 37.0eV, 81.30-81.31min, 1/K0=0.895 #44876  
Cmpd 17235, +MS2(710.8471), 37.0eV, 48.6min, 1/K0=0.913 #23992  
Cmpd 36568, +MS2(716.3555), 37.0eV, 58.3min, 1/K0=0.893 #29119  
Cmpd 131198, +MS2(734.8913), 37.0eV, 92.530-92.539min, 1/K0=0.93  
Cmpd 130190, +MS2(734.8917), 37.0eV, 91.997-92.001min, 1/K0=0.93  
Cmpd 132305, +MS2(734.8946), 37.0eV, 93.303-93.310min, 1/K0=0.92  
Cmpd 111497, +MS2(734.8946), 37.0eV, 86.0min, 1/K0=0.946 #43682  
Cmpd 36847, +MS2(766.8749), 37.0eV, 58.4min, 1/K0=0.931 #29173  
Cmpd 46938, +MS2(766.8766), 37.0eV, 62.567-62.569min, 1/K0=0.931  
Cmpd 36267, +MS2(766.8781), 37.0eV, 58.163-58.165min, 1/K0=0.971  
Cmpd 42773, +MS2(766.8782), 37.0eV, 60.9min, 1/K0=0.926 #30496  
Cmpd 36168, +MS2(766.8785), 37.0eV, 58.1min, 1/K0=0.926 #29031  
Cmpd 37682, +MS2(766.8785), 37.0eV, 58.7min, 1/K0=0.979 #29360  
Cmpd 38649, +MS2(766.8786), 37.0eV, 59.2min, 1/K0=0.978 #29580

	Cmpd 38580, +MS2(766.8774), 37.0eV, 59.131-59.135min, 1/K0=0.870
	Cmpd 38258, +MS2(766.8786), 37.0eV, 59.0min, 1/K0=0.960 #29493
	Cmpd 39579, +MS2(766.8788), 37.0eV, 59.579-59.581min, 1/K0=0.978
	Cmpd 41778, +MS2(766.8788), 37.0eV, 60.5min, 1/K0=0.926 #30275
	Cmpd 36411, +MS2(766.8791), 31.9eV, 58.229-58.237min, 1/K0=0.831
	Cmpd 37819, +MS2(766.8793), 37.0eV, 58.8min, 1/K0=0.926 #29393
	Cmpd 37734, +MS2(766.8793), 31.9eV, 58.8min, 1/K0=0.848 #29371
	Cmpd 36385, +MS2(766.8793), 37.0eV, 58.2min, 1/K0=0.977 #29085
	Cmpd 36370, +MS2(766.8796), 31.9eV, 58.216-58.218min, 1/K0=0.848
	Cmpd 36011, +MS2(766.8794), 37.0eV, 58.063-58.066min, 1/K0=0.923
	Cmpd 36685, +MS2(766.8797), 37.0eV, 58.3min, 1/K0=0.981 #29140
	Cmpd 36396, +MS2(766.8815), 37.0eV, 58.2min, 1/K0=0.866 #29086
	Cmpd 39704, +MS2(766.8798), 37.0eV, 59.6min, 1/K0=0.931 #29834
	Cmpd 38786, +MS2(766.8799), 37.0eV, 59.2min, 1/K0=0.929 #29613
	Cmpd 36759, +MS2(766.8800), 31.9eV, 58.4min, 1/K0=0.843 #29153
	Cmpd 36331, +MS2(766.8802), 37.0eV, 58.2min, 1/K0=0.864 #29073
	Cmpd 36316, +MS2(766.8809), 31.9eV, 58.186-58.188min, 1/K0=0.852
	Cmpd 43749, +MS2(766.8806), 37.0eV, 61.3min, 1/K0=0.926 #30717
	Cmpd 36298, +MS2(766.8807), 37.0eV, 58.2min, 1/K0=0.925 #29063
	Cmpd 45933, +MS2(766.8783), 37.0eV, 62.138-62.140min, 1/K0=0.929
	Cmpd 40755, +MS2(766.8760), 37.0eV, 60.1min, 1/K0=0.930 #30053
	Cmpd 36705, +MS2(766.8809), 31.9eV, 58.3min, 1/K0=0.843 #29142
	Cmpd 48611, +MS2(766.8827), 37.0eV, 63.200-63.202min, 1/K0=0.931
	Cmpd 44988, +MS2(766.8823), 37.0eV, 61.72-61.73min, 1/K0=0.931 #30053
1.0000000000000000.0	Cmpd 29319, +MS2(787.8887), 37.0eV, 55.023-55.032min, 1/K0=0.948
	Cmpd 97371, +MS2(824.4285), 37.0eV, 81.516-81.522min, 1/K0=1.027
	Cmpd 96900, +MS2(824.4291), 37.0eV, 81.359-81.363min, 1/K0=1.047
	Cmpd 96842, +MS2(824.4312), 37.0eV, 81.3min, 1/K0=1.052 #41275
	Cmpd 119299, +MS2(828.4235), 37.0eV, 88.0min, 1/K0=1.011 #44719
	Cmpd 38680, +MS2(896.4472), 37.0eV, 59.173-59.177min, 1/K0=1.028
0.2000000000000000.0	Cmpd 26773, +MS2(904.4418), 37.0eV, 53.7min, 1/K0=1.021 #26676
0.2000000000000000.0	Cmpd 25951, +MS2(904.4441), 37.0eV, 53.3min, 1/K0=1.029 #26456
0.2000000000000000.0	Cmpd 25889, +MS2(603.3002), 31.9eV, 53.222-53.227min, 1/K0=0.752
0.2000000000000000.0	Cmpd 25805, +MS2(603.2992), 31.9eV, 53.174-53.184min, 1/K0=0.759
0.2000000000000000.0	Cmpd 25760, +MS2(904.4451), 37.0eV, 53.2min, 1/K0=1.028 #26401
0.2000000000000000.0	Cmpd 26261, +MS2(904.4471), 37.0eV, 53.4min, 1/K0=1.017 #26534
0.2000000000000000.0	Cmpd 27582, +MS2(904.4502), 37.0eV, 54.11-54.12min, 1/K0=1.021 #30053
	Cmpd 96667, +MS2(932.4651), 37.0eV, 81.287-81.291min, 1/K0=1.050
	Cmpd 96824, +MS2(932.4653), 37.0eV, 81.3min, 1/K0=1.045 #41273
	Cmpd 45750, +MS2(979.9496), 37.0eV, 62.059-62.064min, 1/K0=1.047
	Cmpd 43727, +MS2(979.9558), 37.0eV, 61.305-61.308min, 1/K0=1.024
	Cmpd 41443, +MS2(979.9504), 37.0eV, 60.346-60.347min, 1/K0=1.019
	Cmpd 42753, +MS2(979.9511), 37.0eV, 60.9min, 1/K0=1.015 #30493
	Cmpd 41274, +MS2(979.9558), 42.0eV, 60.275-60.281min, 1/K0=1.067
	Cmpd 41595, +MS2(979.9540), 37.0eV, 60.4min, 1/K0=1.021 #30240
	Cmpd 48310, +MS2(979.9513), 42.0eV, 63.075-63.077min, 1/K0=1.065
	Cmpd 45825, +MS2(979.9489), 42.0eV, 62.1min, 1/K0=1.063 #31131
	Cmpd 43199, +MS2(979.9520), 37.0eV, 61.1min, 1/K0=1.044 #30603

Cmpd 42653, +MS2(979.9527), 42.0eV, 60.8min, 1/K0=1.063 #30471  
Cmpd 46148, +MS2(979.9516), 42.0eV, 62.2min, 1/K0=1.060 #31208  
Cmpd 41757, +MS2(979.9520), 37.0eV, 60.5min, 1/K0=1.019 #30273  
Cmpd 41495, +MS2(979.9521), 42.0eV, 60.4min, 1/K0=1.069 #30218  
Cmpd 41541, +MS2(979.9529), 37.0eV, 60.4min, 1/K0=1.047 #30229  
Cmpd 41813, +MS2(979.9526), 37.0eV, 60.5min, 1/K0=1.039 #30284  
Cmpd 41649, +MS2(979.9528), 42.0eV, 60.4min, 1/K0=1.069 #30251  
Cmpd 50301, +MS2(979.9530), 42.0eV, 63.906-63.907min, 1/K0=1.068  
Cmpd 43606, +MS2(979.9530), 42.0eV, 61.3min, 1/K0=1.070 #30691  
Cmpd 41400, +MS2(979.9529), 42.0eV, 60.3min, 1/K0=1.069 #30197  
Cmpd 45009, +MS2(979.9550), 37.0eV, 61.726-61.732min, 1/K0=1.026  
Cmpd 43617, +MS2(979.9534), 37.0eV, 61.3min, 1/K0=1.052 #30692  
Cmpd 49289, +MS2(979.9532), 42.0eV, 63.490-63.492min, 1/K0=1.070  
Cmpd 44889, +MS2(979.9573), 42.0eV, 61.7min, 1/K0=1.068 #30912  
Cmpd 44718, +MS2(979.9567), 42.0eV, 61.6min, 1/K0=1.071 #30878  
Cmpd 97078, +MS2(989.0071), 42.0eV, 81.4min, 1/K0=1.071 #41316  
Cmpd 97120, +MS2(989.0072), 42.0eV, 81.434-81.438min, 1/K0=1.070  
Cmpd 97028, +MS2(683.3492), 37.0eV, 81.4min, 1/K0=0.886 #41306  
Cmpd 105417, +MS2(1024.5173), 42.0eV, 84.4min, 1/K0=1.110 #42868  
Cmpd 96823, +MS2(1024.5205), 42.0eV, 81.3min, 1/K0=1.115 #41273  
Cmpd 96835, +MS2(1024.5228), 42.0eV, 81.3min, 1/K0=1.098 #41274  
Cmpd 96886, +MS2(1024.5230), 42.0eV, 81.4min, 1/K0=1.130 #41284  
Cmpd 96268, +MS2(1024.5247), 42.0eV, 81.156-81.163min, 1/K0=1.10  
Cmpd 100388, +MS2(1024.5271), 42.0eV, 82.6min, 1/K0=1.115 #41935  
Cmpd 103942, +MS2(1024.5278), 42.0eV, 83.853-83.855min, 1/K0=1.1  
Cmpd 89216, +MS2(1024.5255), 42.0eV, 78.436-78.440min, 1/K0=1.08  
Cmpd 98129, +MS2(1024.5272), 42.0eV, 81.8min, 1/K0=1.116 #41494  
Cmpd 101018, +MS2(1024.5256), 42.0eV, 82.832-82.838min, 1/K0=1.1  
Cmpd 96359, +MS2(1024.5253), 42.0eV, 81.2min, 1/K0=1.114 #41196  
Cmpd 96173, +MS2(1024.5252), 42.0eV, 81.1min, 1/K0=1.112 #41164  
Cmpd 95716, +MS2(1024.5246), 42.0eV, 80.97-80.98min, 1/K0=1.108 #41164  
Cmpd 101526, +MS2(1024.5258), 42.0eV, 83.0min, 1/K0=1.110 #42153  
Cmpd 102696, +MS2(1024.5295), 42.0eV, 83.4min, 1/K0=1.105 #42375  
Cmpd 99345, +MS2(1024.5293), 42.0eV, 82.2min, 1/K0=1.109 #41713  
Cmpd 24942, +MS2(715.3406), 31.9eV, 52.720-52.722min, 1/K0=0.844  
Cmpd 25101, +MS2(715.3405), 31.9eV, 52.800-52.802min, 1/K0=0.798  
Cmpd 25173, +MS2(715.3389), 31.9eV, 52.843-52.845min, 1/K0=0.749  
Cmpd 25403, +MS2(715.3408), 31.9eV, 53.0min, 1/K0=0.797 #26303  
Cmpd 25057, +MS2(715.3416), 31.9eV, 52.8min, 1/K0=0.846 #26203  
Cmpd 25194, +MS2(715.3434), 31.9eV, 52.9min, 1/K0=0.848 #26247  
Cmpd 26013, +MS2(715.3419), 31.9eV, 53.3min, 1/K0=0.852 #26470  
Cmpd 26821, +MS2(715.3412), 31.9eV, 53.695-53.697min, 1/K0=0.841  
Cmpd 25118, +MS2(715.3419), 37.0eV, 52.8min, 1/K0=0.873 #26224  
Cmpd 17946, +MS2(796.3815), 37.0eV, 49.01-49.02min, 1/K0=0.890 #26224  
Cmpd 17113, +MS2(796.3825), 37.0eV, 48.527-48.529min, 1/K0=0.882  
Cmpd 17097, +MS2(796.3816), 37.0eV, 48.522-48.524min, 1/K0=0.882  
Cmpd 17206, +MS2(796.3839), 37.0eV, 48.6min, 1/K0=0.883 #23982  
Cmpd 113557, +MS2(1319.1100), 42.0eV, 86.466-86.468min, 1/K0=1.2





	Cmpd 29987, +MS2(684.3321), 37.0eV, 55.4min, 1/K0=0.926 #27579
	Cmpd 30203, +MS2(684.3322), 37.0eV, 55.5min, 1/K0=0.928 #27633
	Cmpd 30062, +MS2(684.3333), 37.0eV, 55.4min, 1/K0=0.926 #27600
	Cmpd 31075, +MS2(684.3334), 37.0eV, 55.9min, 1/K0=0.924 #27853
0.00000020000.0	Cmpd 10539, +MS2(692.3298), 37.0eV, 44.3min, 1/K0=0.927 #21715
0.00000020000.0	Cmpd 10633, +MS2(692.3307), 37.0eV, 44.4min, 1/K0=0.927 #21748
0.0200000000000.0	Cmpd 30766, +MS2(702.8822), 37.0eV, 55.7min, 1/K0=0.918 #27776
0.0200000000000.0	Cmpd 30590, +MS2(702.8832), 37.0eV, 55.655-55.659min, 1/K0=0.941
0.0200000000000.0	Cmpd 30449, +MS2(702.8844), 37.0eV, 55.6min, 1/K0=0.912 #27690
0.0200000000000.0	Cmpd 31615, +MS2(702.8859), 37.0eV, 56.172-56.176min, 1/K0=0.915
0.0200000000000.0	Cmpd 30556, +MS2(702.8877), 37.0eV, 55.638-55.640min, 1/K0=0.942
	Cmpd 50746, +MS2(730.4041), 37.0eV, 64.069-64.071min, 1/K0=0.972
	Cmpd 50872, +MS2(730.4063), 37.0eV, 64.1min, 1/K0=0.971 #32199
0.00200000000000.0	Cmpd 30650, +MS2(738.4001), 37.0eV, 55.7min, 1/K0=0.963 #27744
0.00200000000000.0	Cmpd 30428, +MS2(738.4024), 37.0eV, 55.576-55.578min, 1/K0=0.962
0.00200000000000.0	Cmpd 30445, +MS2(738.4024), 37.0eV, 55.6min, 1/K0=0.964 #27689
	Cmpd 51857, +MS2(765.9235), 37.0eV, 64.5min, 1/K0=0.997 #32420
	Cmpd 54015, +MS2(765.9248), 37.0eV, 65.368-65.374min, 1/K0=1.000
	Cmpd 50630, +MS2(765.9249), 37.0eV, 64.021-64.025min, 1/K0=1.001
	Cmpd 50716, +MS2(765.9251), 37.0eV, 64.1min, 1/K0=1.003 #32166
	Cmpd 52975, +MS2(765.9253), 37.0eV, 64.951-64.952min, 1/K0=1.000
	Cmpd 50862, +MS2(765.9255), 37.0eV, 64.1min, 1/K0=1.003 #32198
0.000200000000000.0	Cmpd 32372, +MS2(773.9179), 37.0eV, 56.515-56.517min, 1/K0=0.995
0.000200000000000.0	Cmpd 30579, +MS2(516.2816), 31.9eV, 55.6min, 1/K0=0.738 #27722
0.000200000000000.0	Cmpd 30441, +MS2(516.2817), 31.9eV, 55.579-55.587min, 1/K0=0.740
0.000200000000000.0	Cmpd 30436, +MS2(773.9196), 37.0eV, 55.6min, 1/K0=0.989 #27688
0.000200000000000.0	Cmpd 30642, +MS2(773.9205), 37.0eV, 55.7min, 1/K0=0.988 #27743
0.000200000000000.0	Cmpd 31457, +MS2(773.9206), 37.0eV, 56.1min, 1/K0=0.988 #27963
0.000200000000000.0	Cmpd 30374, +MS2(773.9200), 37.0eV, 55.546-55.551min, 1/K0=0.989
0.000200000000000.0	Cmpd 50958, +MS2(773.9224), 37.0eV, 64.152-64.154min, 1/K0=0.991
	Cmpd 71874, +MS2(779.9355), 37.0eV, 71.981-71.983min, 1/K0=1.035
	Cmpd 71875, +MS2(779.9358), 37.0eV, 72.0min, 1/K0=0.970 #36346
	Cmpd 72028, +MS2(779.9360), 37.0eV, 72.0min, 1/K0=0.975 #36378
	Cmpd 72486, +MS2(779.9366), 37.0eV, 72.2min, 1/K0=1.004 #36479
	Cmpd 72230, +MS2(779.9369), 37.0eV, 72.1min, 1/K0=0.958 #36422
	Cmpd 72027, +MS2(779.9376), 37.0eV, 72.0min, 1/K0=1.031 #36378
0.0000020000000000.0	Cmpd 49192, +MS2(787.9324), 37.0eV, 63.448-63.456min, 1/K0=1.042
0.0000020000000000.0	Cmpd 48157, +MS2(787.9300), 37.0eV, 63.013-63.015min, 1/K0=1.040
0.0000020000000000.0	Cmpd 48049, +MS2(787.9295), 37.0eV, 63.0min, 1/K0=0.973 #31593
0.0000020000000000.0	Cmpd 49049, +MS2(787.9297), 37.0eV, 63.4min, 1/K0=0.975 #31813
0.0000020000000000.0	Cmpd 72164, +MS2(787.9313), 37.0eV, 72.099-72.101min, 1/K0=0.962
0.0000020000000000.0	Cmpd 46738, +MS2(787.9318), 37.0eV, 62.5min, 1/K0=0.977 #31340
0.0000020000000000.0	Cmpd 46798, +MS2(787.9318), 37.0eV, 62.5min, 1/K0=1.038 #31352
0.0000020000000000.0	Cmpd 46900, +MS2(787.9329), 37.0eV, 62.6min, 1/K0=0.978 #31373
0.0000020000000000.0	Cmpd 47008, +MS2(787.9329), 37.0eV, 62.6min, 1/K0=1.037 #31395
0.0000020000000000.0	Cmpd 50079, +MS2(787.9347), 37.0eV, 63.8min, 1/K0=0.970 #32036
0.0000020000000000.0	Cmpd 72117, +MS2(787.9347), 37.0eV, 72.080-72.082min, 1/K0=0.962
	Cmpd 51871, +MS2(801.4414), 37.0eV, 64.542-64.544min, 1/K0=1.026

	Cmpd 50871, +MS2(801.4417), 37.0eV, 64.1min, 1/K0=1.030 #32199
	Cmpd 50725, +MS2(801.4418), 37.0eV, 64.057-64.059min, 1/K0=1.029
	Cmpd 84866, +MS2(801.9246), 37.0eV, 76.715-76.717min, 1/K0=0.907
	Cmpd 92284, +MS2(801.9227), 37.0eV, 79.638-79.640min, 1/K0=0.962
	Cmpd 88785, +MS2(801.9269), 37.0eV, 78.3min, 1/K0=0.966 #39660
	Cmpd 91217, +MS2(801.9270), 37.0eV, 79.209-79.211min, 1/K0=0.963
	Cmpd 85039, +MS2(801.9274), 37.0eV, 76.8min, 1/K0=0.967 #38875
	Cmpd 84780, +MS2(801.9280), 37.0eV, 76.7min, 1/K0=0.971 #38820
	Cmpd 84671, +MS2(801.9280), 37.0eV, 76.6min, 1/K0=0.952 #38798
	Cmpd 84527, +MS2(801.9278), 37.0eV, 76.6min, 1/K0=0.966 #38767
	Cmpd 85205, +MS2(801.9281), 37.0eV, 76.8min, 1/K0=0.956 #38908
	Cmpd 84421, +MS2(801.9282), 37.0eV, 76.5min, 1/K0=0.949 #38747
	Cmpd 84568, +MS2(801.9282), 37.0eV, 76.6min, 1/K0=0.950 #38776
	Cmpd 86258, +MS2(801.9283), 37.0eV, 77.3min, 1/K0=0.950 #39128
	Cmpd 86589, +MS2(801.9288), 37.0eV, 77.4min, 1/K0=0.968 #39194
	Cmpd 87763, +MS2(801.9294), 37.0eV, 77.855-77.857min, 1/K0=0.970
	Cmpd 87550, +MS2(801.9305), 37.0eV, 77.769-77.777min, 1/K0=0.951
	Cmpd 86707, +MS2(801.9307), 37.0eV, 77.4min, 1/K0=0.966 #39218
0.0000200000000000.0	Cmpd 30408, +MS2(809.4380), 37.0eV, 55.562-55.564min, 1/K0=1.015
0.0000200000000000.0	Cmpd 30526, +MS2(809.4386), 37.0eV, 55.6min, 1/K0=1.017 #27710
0.0000200000000000.0	Cmpd 51138, +MS2(809.4392), 37.0eV, 64.222-64.224min, 1/K0=1.024
	Cmpd 51030, +MS2(572.3248), 31.9eV, 64.2min, 1/K0=0.798 #32232
	Cmpd 51077, +MS2(572.3249), 31.9eV, 64.2min, 1/K0=0.784 #32242
	Cmpd 54085, +MS2(857.9839), 42.0eV, 65.393-65.395min, 1/K0=1.091
	Cmpd 50755, +MS2(857.9846), 42.0eV, 64.1min, 1/K0=1.092 #32176
	Cmpd 50648, +MS2(857.9851), 42.0eV, 64.031-64.035min, 1/K0=1.092
	Cmpd 51913, +MS2(857.9851), 42.0eV, 64.6min, 1/K0=1.089 #32431
	Cmpd 50915, +MS2(857.9857), 42.0eV, 64.1min, 1/K0=1.090 #32209
	Cmpd 55211, +MS2(857.9833), 42.0eV, 65.818-65.824min, 1/K0=1.087
	Cmpd 53033, +MS2(857.9893), 42.0eV, 64.973-64.975min, 1/K0=1.095
0.0000020000000000.0	Cmpd 43237, +MS2(865.9786), 42.0eV, 61.1min, 1/K0=1.080 #30613
0.0000020000000000.0	Cmpd 35107, +MS2(865.9768), 42.0eV, 57.663-57.673min, 1/K0=1.074
0.0000020000000000.0	Cmpd 51235, +MS2(577.6551), 31.9eV, 64.262-64.264min, 1/K0=0.800
0.0000020000000000.0	Cmpd 39823, +MS2(865.9810), 42.0eV, 59.687-59.696min, 1/K0=1.085
0.0000020000000000.0	Cmpd 33796, +MS2(577.6554), 31.9eV, 57.143-57.150min, 1/K0=0.804
0.0000020000000000.0	Cmpd 35392, +MS2(865.9795), 42.0eV, 57.795-57.803min, 1/K0=1.077
0.0000020000000000.0	Cmpd 33268, +MS2(865.9803), 42.0eV, 56.892-56.893min, 1/K0=1.079
0.0000020000000000.0	Cmpd 30361, +MS2(577.6554), 31.9eV, 55.540-55.542min, 1/K0=0.803
0.0000020000000000.0	Cmpd 30645, +MS2(577.6561), 31.9eV, 55.7min, 1/K0=0.806 #27743
0.0000020000000000.0	Cmpd 30492, +MS2(577.6565), 31.9eV, 55.6min, 1/K0=0.803 #27700
0.0000020000000000.0	Cmpd 30392, +MS2(865.9817), 42.0eV, 55.6min, 1/K0=1.078 #27677
0.0000020000000000.0	Cmpd 30479, +MS2(865.9823), 42.0eV, 55.6min, 1/K0=1.078 #27699
0.0000020000000000.0	Cmpd 31372, +MS2(865.9823), 42.0eV, 56.1min, 1/K0=1.080 #27941
0.0000020000000000.0	Cmpd 50814, +MS2(865.9825), 42.0eV, 64.095-64.099min, 1/K0=1.083
0.0000020000000000.0	Cmpd 30564, +MS2(865.9825), 42.0eV, 55.6min, 1/K0=1.079 #27721
0.0000020000000000.0	Cmpd 32277, +MS2(865.9825), 42.0eV, 56.5min, 1/K0=1.079 #28161
0.0000020000000000.0	Cmpd 35233, +MS2(865.9797), 42.0eV, 57.722-57.724min, 1/K0=1.076
0.0000020000000000.0	Cmpd 30327, +MS2(865.9810), 42.0eV, 55.528-55.536min, 1/K0=1.078

0.000002000000000000.0	Cmpd 37510, +MS2(865.9833), 42.0eV, 58.670-58.678min, 1/K0=1.081
0.000002000000000000.0	Cmpd 39517, +MS2(865.9835), 42.0eV, 59.555-59.558min, 1/K0=1.083
0.000002000000000000.0	Cmpd 42257, +MS2(865.9854), 42.0eV, 60.66-60.68min, 1/K0=1.090 #43631
	Cmpd 111115, +MS2(869.8944), 37.0eV, 85.8min, 1/K0=1.016 #43631
	Cmpd 115223, +MS2(869.8950), 37.0eV, 86.9min, 1/K0=1.010 #44161
	Cmpd 113157, +MS2(869.8984), 37.0eV, 86.4min, 1/K0=1.018 #43895
	Cmpd 115284, +MS2(926.4386), 37.0eV, 86.896-86.898min, 1/K0=1.03
	Cmpd 100632, +MS2(633.3128), 31.9eV, 82.684-82.686min, 1/K0=0.83
	Cmpd 100443, +MS2(949.4681), 42.0eV, 82.6min, 1/K0=1.099 #41944
	Cmpd 101445, +MS2(949.4690), 42.0eV, 82.986-82.988min, 1/K0=1.12
	Cmpd 100145, +MS2(949.4699), 42.0eV, 82.5min, 1/K0=1.098 #41878
	Cmpd 104048, +MS2(949.4704), 42.0eV, 83.9min, 1/K0=1.098 #42615
	Cmpd 105233, +MS2(949.4702), 42.0eV, 84.3min, 1/K0=1.099 #42835
	Cmpd 100242, +MS2(949.4697), 42.0eV, 82.5min, 1/K0=1.098 #41900
	Cmpd 101583, +MS2(949.4737), 42.0eV, 83.0min, 1/K0=1.098 #42164
	Cmpd 103113, +MS2(949.4731), 42.0eV, 83.592-83.595min, 1/K0=1.07
	Cmpd 102810, +MS2(949.4728), 42.0eV, 83.5min, 1/K0=1.094 #42395
	Cmpd 100493, +MS2(949.4728), 42.0eV, 82.6min, 1/K0=1.062 #41955
	Cmpd 101661, +MS2(949.4737), 42.0eV, 83.1min, 1/K0=1.080 #42175
	Cmpd 101596, +MS2(949.4730), 42.0eV, 83.0min, 1/K0=1.084 #42165
	Cmpd 99364, +MS2(949.4734), 42.0eV, 82.18-82.19min, 1/K0=1.095 #42165
	Cmpd 115205, +MS2(969.9570), 42.0eV, 86.9min, 1/K0=1.080 #44158
	Cmpd 113148, +MS2(969.9565), 42.0eV, 86.4min, 1/K0=1.079 #43894
	Cmpd 111088, +MS2(969.9582), 42.0eV, 85.8min, 1/K0=1.082 #43628
	Cmpd 80405, +MS2(656.3496), 31.9eV, 75.056-75.058min, 1/K0=0.805
	Cmpd 107743, +MS2(1013.4735), 42.0eV, 85.0min, 1/K0=1.082 #43201
	Cmpd 107831, +MS2(1070.9846), 42.0eV, 85.0min, 1/K0=1.108 #43212
	Cmpd 65960, +MS2(729.6880), 37.0eV, 69.9min, 1/K0=0.875 #35245
	Cmpd 66288, +MS2(729.6883), 37.0eV, 70.0min, 1/K0=0.876 #35300
	Cmpd 67437, +MS2(729.6878), 37.0eV, 70.4min, 1/K0=0.866 #35520
0.0000000000000020000.0	Cmpd 47494, +MS2(735.0185), 37.0eV, 62.7min, 1/K0=0.901 #31474
0.0000000000000020000.0	Cmpd 48802, +MS2(735.0197), 37.0eV, 63.3min, 1/K0=0.893 #31758
0.0000000000000020000.0	Cmpd 47806, +MS2(735.0208), 37.0eV, 62.9min, 1/K0=0.899 #31538
0.0000000000000020000.0	Cmpd 47485, +MS2(735.0207), 37.0eV, 62.7min, 1/K0=0.877 #31473
	Cmpd 103266, +MS2(1135.1369), 42.0eV, 83.6min, 1/K0=1.221 #42483
	Cmpd 104498, +MS2(1135.1378), 42.0eV, 84.1min, 1/K0=1.226 #42703
	Cmpd 104871, +MS2(779.3700), 37.0eV, 84.2min, 1/K0=0.925 #42769
	Cmpd 104526, +MS2(779.3716), 37.0eV, 84.065-84.067min, 1/K0=0.92
	Cmpd 103166, +MS2(843.1104), 37.0eV, 83.612-83.614min, 1/K0=1.03
0.0000000000000020000000000.0	Cmpd 80576, +MS2(848.4396), 37.0eV, 75.121-75.127min, 1/K0=1.049
	Cmpd 87255, +MS2(895.1373), 42.0eV, 77.651-77.653min, 1/K0=1.071
0.0000020000000000000000000200.0	Cmpd 106457, +MS2(1026.4453), 37.0eV, 84.681-84.683min, 1/K0=0.9
0.0200020000000000000000000200.0	Cmpd 96362, +MS2(1031.7766), 37.0eV, 81.2min, 1/K0=0.952 #41196
0.0200020000000000000000000200.0	Cmpd 96056, +MS2(1031.7783), 37.0eV, 81.089-81.091min, 1/K0=0.95
	Cmpd 8588, +MS2(423.2048), 31.9eV, 42.981-42.982min, 1/K0=0.704 #20780
	Cmpd 7848, +MS2(423.2058), 31.9eV, 42.465-42.469min, 1/K0=0.706 #20780
	Cmpd 8035, +MS2(423.2068), 31.9eV, 42.6min, 1/K0=0.703 #20780
	Cmpd 7816, +MS2(423.2074), 31.9eV, 42.448-42.454min, 1/K0=0.706 #20780

1.000000000.0

Cmpd 72740, +MS2(464.2610), 31.9eV, 72.3min, 1/K0=0.743 #36532  
Cmpd 41454, +MS2(464.2643), 31.9eV, 60.3min, 1/K0=0.740 #30208  
Cmpd 7906, +MS2(479.7478), 31.9eV, 42.501-42.503min, 1/K0=0.782 #  
Cmpd 7944, +MS2(479.7494), 31.9eV, 42.520-42.522min, 1/K0=0.782 #  
Cmpd 8073, +MS2(500.7543), 31.9eV, 42.591-42.595min, 1/K0=0.794 #  
Cmpd 72714, +MS2(507.7777), 31.9eV, 72.325-72.329min, 1/K0=0.777  
Cmpd 40282, +MS2(507.7778), 31.9eV, 59.9min, 1/K0=0.780 #29954  
Cmpd 72776, +MS2(507.7779), 31.9eV, 72.3min, 1/K0=0.774 #36535  
Cmpd 43864, +MS2(507.7784), 31.9eV, 61.4min, 1/K0=0.782 #30738  
Cmpd 41873, +MS2(507.7792), 31.9eV, 60.5min, 1/K0=0.768 #30295  
Cmpd 45099, +MS2(507.7798), 31.9eV, 61.8min, 1/K0=0.780 #30955  
Cmpd 41295, +MS2(507.7799), 31.9eV, 60.3min, 1/K0=0.785 #30174  
Cmpd 60149, +MS2(507.7799), 31.9eV, 67.693-67.697min, 1/K0=0.775  
Cmpd 42846, +MS2(507.7802), 31.9eV, 60.9min, 1/K0=0.781 #30515  
Cmpd 40117, +MS2(507.7804), 31.9eV, 59.8min, 1/K0=0.775 #29921  
Cmpd 9220, +MS2(523.2639), 31.9eV, 43.398-43.400min, 1/K0=0.806 #  
Cmpd 7884, +MS2(523.2645), 31.9eV, 42.5min, 1/K0=0.802 #20737  
Cmpd 8476, +MS2(523.2648), 31.9eV, 42.9min, 1/K0=0.805 #20958  
Cmpd 7742, +MS2(523.2650), 31.9eV, 42.418-42.420min, 1/K0=0.800 #  
Cmpd 7754, +MS2(523.2666), 31.9eV, 42.4min, 1/K0=0.802 #20703  
Cmpd 30037, +MS2(525.2641), 31.9eV, 55.400-55.403min, 1/K0=0.777  
Cmpd 30914, +MS2(525.2654), 31.9eV, 55.808-55.810min, 1/K0=0.780  
Cmpd 8691, +MS2(531.7853), 31.9eV, 43.1min, 1/K0=0.780 #21055  
Cmpd 87587, +MS2(535.2981), 31.9eV, 77.8min, 1/K0=0.773 #39403  
Cmpd 89369, +MS2(535.2987), 31.9eV, 78.503-78.508min, 1/K0=0.787  
Cmpd 87053, +MS2(535.3001), 31.9eV, 77.6min, 1/K0=0.788 #39293  
Cmpd 80676, +MS2(535.3001), 31.9eV, 75.157-75.163min, 1/K0=0.798  
Cmpd 86904, +MS2(535.3004), 31.9eV, 77.5min, 1/K0=0.794 #39261  
Cmpd 80525, +MS2(535.3004), 31.9eV, 75.106-75.111min, 1/K0=0.782  
Cmpd 86873, +MS2(535.3008), 31.9eV, 77.509-77.511min, 1/K0=0.789  
Cmpd 42424, +MS2(564.3215), 31.9eV, 60.7min, 1/K0=0.841 #30416  
Cmpd 40392, +MS2(564.3219), 31.9eV, 59.9min, 1/K0=0.841 #29976  
Cmpd 41393, +MS2(564.3232), 31.9eV, 60.3min, 1/K0=0.840 #30196  
Cmpd 40094, +MS2(564.3233), 31.9eV, 59.797-59.802min, 1/K0=0.838  
Cmpd 45592, +MS2(564.3250), 31.9eV, 61.987-61.989min, 1/K0=0.843  
Cmpd 40168, +MS2(564.3251), 31.9eV, 59.8min, 1/K0=0.840 #29932  
Cmpd 87143, +MS2(585.8216), 31.9eV, 77.61-77.62min, 1/K0=0.795 #  
Cmpd 86965, +MS2(585.8229), 31.9eV, 77.539-77.541min, 1/K0=0.821  
Cmpd 87244, +MS2(585.8252), 31.9eV, 77.65-77.66min, 1/K0=0.795 #  
Cmpd 87172, +MS2(585.8250), 31.9eV, 77.6min, 1/K0=0.823 #39315  
Cmpd 120349, +MS2(591.3439), 31.9eV, 88.2min, 1/K0=0.833 #44859  
Cmpd 39631, +MS2(608.8519), 31.9eV, 59.608-59.609min, 1/K0=0.847  
Cmpd 40116, +MS2(608.8523), 31.9eV, 59.8min, 1/K0=0.823 #29921  
Cmpd 39806, +MS2(608.8527), 31.9eV, 59.7min, 1/K0=0.843 #29855  
Cmpd 87007, +MS2(614.3345), 31.9eV, 77.6min, 1/K0=0.817 #39282  
Cmpd 87352, +MS2(614.3347), 31.9eV, 77.685-77.687min, 1/K0=0.851  
Cmpd 44498, +MS2(645.8522), 37.0eV, 61.5min, 1/K0=0.883 #30834  
Cmpd 40506, +MS2(645.8534), 37.0eV, 59.9min, 1/K0=0.907 #29998

Cmpd 40563, +MS2(645.8535), 37.0eV, 60.0min, 1/K0=0.903 #30009  
Cmpd 40638, +MS2(645.8542), 31.9eV, 59.999-60.003min, 1/K0=0.792  
Cmpd 55738, +MS2(645.8546), 37.0eV, 66.031-66.033min, 1/K0=0.888  
Cmpd 40280, +MS2(645.8548), 37.0eV, 59.9min, 1/K0=0.882 #29954  
Cmpd 42334, +MS2(645.8552), 37.0eV, 60.7min, 1/K0=0.889 #30394  
Cmpd 46436, +MS2(645.8555), 37.0eV, 62.4min, 1/K0=0.889 #31275  
Cmpd 40469, +MS2(645.8558), 31.9eV, 59.933-59.935min, 1/K0=0.811  
Cmpd 72794, +MS2(645.8560), 37.0eV, 72.3min, 1/K0=0.888 #36538  
Cmpd 45520, +MS2(645.8562), 37.0eV, 62.0min, 1/K0=0.895 #31055  
Cmpd 48867, +MS2(645.8564), 37.0eV, 63.3min, 1/K0=0.887 #31772  
Cmpd 51002, +MS2(645.8563), 37.0eV, 64.171-64.175min, 1/K0=0.886  
Cmpd 43250, +MS2(645.8564), 37.0eV, 61.1min, 1/K0=0.886 #30614  
Cmpd 40507, +MS2(645.8566), 37.0eV, 59.9min, 1/K0=0.856 #29998  
Cmpd 51264, +MS2(645.8567), 37.0eV, 64.277-64.279min, 1/K0=0.880  
Cmpd 47866, +MS2(645.8543), 37.0eV, 62.89-62.90min, 1/K0=0.882 #31275  
Cmpd 40335, +MS2(645.8570), 37.0eV, 59.9min, 1/K0=0.908 #29965  
Cmpd 41293, +MS2(645.8574), 37.0eV, 60.3min, 1/K0=0.883 #30174  
Cmpd 40115, +MS2(645.8575), 37.0eV, 59.8min, 1/K0=0.879 #29921  
Cmpd 27416, +MS2(667.3658), 37.0eV, 54.0min, 1/K0=0.898 #26852  
Cmpd 11683, +MS2(667.3672), 37.0eV, 45.089-45.094min, 1/K0=0.890  
Cmpd 28889, +MS2(667.3677), 37.0eV, 54.8min, 1/K0=0.899 #27292  
Cmpd 28166, +MS2(667.3679), 37.0eV, 54.4min, 1/K0=0.910 #27072  
Cmpd 27488, +MS2(667.3690), 37.0eV, 54.0min, 1/K0=0.882 #26874  
Cmpd 27422, +MS2(667.3686), 37.0eV, 54.0min, 1/K0=0.877 #26853  
Cmpd 27190, +MS2(667.3687), 37.0eV, 53.9min, 1/K0=0.906 #26787  
Cmpd 87108, +MS2(670.8783), 37.0eV, 77.594-77.596min, 1/K0=0.897  
Cmpd 28695, +MS2(702.8856), 37.0eV, 54.7min, 1/K0=0.930 #27239  
Cmpd 27938, +MS2(702.8863), 37.0eV, 54.3min, 1/K0=0.932 #27017  
Cmpd 27221, +MS2(702.8863), 37.0eV, 53.9min, 1/K0=0.932 #26797  
Cmpd 86971, +MS2(714.3917), 31.9eV, 77.543-77.547min, 1/K0=0.821  
Cmpd 88346, +MS2(714.3962), 31.9eV, 78.1min, 1/K0=0.820 #39567  
Cmpd 87239, +MS2(714.3932), 31.9eV, 77.644-77.646min, 1/K0=0.842  
Cmpd 89169, +MS2(714.3935), 37.0eV, 78.4min, 1/K0=0.911 #39735  
Cmpd 86946, +MS2(714.3944), 37.0eV, 77.5min, 1/K0=0.864 #39271  
Cmpd 87222, +MS2(714.3946), 37.0eV, 77.6min, 1/K0=0.969 #39326  
Cmpd 87051, +MS2(714.3953), 37.0eV, 77.6min, 1/K0=0.904 #39293  
Cmpd 87283, +MS2(714.3954), 37.0eV, 77.7min, 1/K0=0.929 #39337  
Cmpd 89876, +MS2(714.3963), 37.0eV, 78.7min, 1/K0=0.947 #39899  
Cmpd 91056, +MS2(714.3967), 37.0eV, 79.1min, 1/K0=0.953 #40119  
Cmpd 88095, +MS2(714.3966), 37.0eV, 78.0min, 1/K0=0.906 #39513  
Cmpd 86652, +MS2(714.3968), 37.0eV, 77.4min, 1/K0=0.943 #39206  
Cmpd 87857, +MS2(714.3969), 37.0eV, 77.9min, 1/K0=0.892 #39458  
Cmpd 92096, +MS2(714.3970), 37.0eV, 79.6min, 1/K0=0.950 #40338  
Cmpd 88058, +MS2(714.3973), 37.0eV, 78.0min, 1/K0=0.913 #39504  
Cmpd 86790, +MS2(714.3972), 37.0eV, 77.5min, 1/K0=0.945 #39238  
Cmpd 87856, +MS2(714.3973), 37.0eV, 77.9min, 1/K0=0.953 #39458  
Cmpd 88886, +MS2(714.3974), 37.0eV, 78.3min, 1/K0=0.953 #39678  
Cmpd 95528, +MS2(714.3981), 37.0eV, 80.9min, 1/K0=0.951 #41046

	Cmpd 98693, +MS2(729.3905), 37.0eV, 81.940-81.942min, 1/K0=0.979
	Cmpd 97209, +MS2(729.3930), 37.0eV, 81.5min, 1/K0=0.976 #41339
	Cmpd 96913, +MS2(729.3934), 37.0eV, 81.361-81.363min, 1/K0=0.977
0.00000000000020.0	Cmpd 71180, +MS2(737.3945), 37.0eV, 71.712-71.718min, 1/K0=0.981
	Cmpd 72649, +MS2(506.6127), 31.9eV, 72.30-72.31min, 1/K0=0.748 #
	Cmpd 27034, +MS2(759.4262), 37.0eV, 53.799-53.806min, 1/K0=0.985
	Cmpd 27328, +MS2(759.4259), 31.9eV, 53.951-53.953min, 1/K0=0.814
	Cmpd 27113, +MS2(759.4268), 37.0eV, 53.8min, 1/K0=0.987 #26765
	Cmpd 27450, +MS2(759.4272), 37.0eV, 54.023-54.025min, 1/K0=0.957
	Cmpd 29539, +MS2(759.4277), 37.0eV, 55.1min, 1/K0=0.986 #27457
	Cmpd 28682, +MS2(759.4280), 37.0eV, 54.7min, 1/K0=0.984 #27237
	Cmpd 27220, +MS2(759.4284), 37.0eV, 53.9min, 1/K0=0.983 #26797
	Cmpd 27937, +MS2(759.4286), 37.0eV, 54.3min, 1/K0=0.985 #27017
	Cmpd 27312, +MS2(759.4290), 37.0eV, 53.942-53.946min, 1/K0=0.857
	Cmpd 97332, +MS2(779.9176), 37.0eV, 81.501-81.503min, 1/K0=1.015
	Cmpd 99756, +MS2(808.4287), 37.0eV, 82.330-82.334min, 1/K0=1.045
	Cmpd 98588, +MS2(808.4293), 37.0eV, 81.9min, 1/K0=1.044 #41570
	Cmpd 97270, +MS2(808.4297), 37.0eV, 81.5min, 1/K0=1.047 #41350
	Cmpd 97036, +MS2(808.4298), 37.0eV, 81.4min, 1/K0=1.050 #41307
	Cmpd 97208, +MS2(808.4300), 37.0eV, 81.5min, 1/K0=1.034 #41339
	Cmpd 96781, +MS2(808.4305), 37.0eV, 81.320-81.322min, 1/K0=1.051
0.000000000000020.0	Cmpd 71159, +MS2(816.4277), 37.0eV, 71.706-71.710min, 1/K0=1.042
0.000000000000020.0	Cmpd 71603, +MS2(816.4301), 37.0eV, 71.9min, 1/K0=1.045 #36291
	Cmpd 72762, +MS2(573.3101), 31.9eV, 72.3min, 1/K0=0.797 #36534
	Cmpd 54418, +MS2(596.3475), 31.9eV, 65.5min, 1/K0=0.823 #32935
	Cmpd 54510, +MS2(596.3509), 31.9eV, 65.5min, 1/K0=0.847 #32950
	Cmpd 55508, +MS2(596.3514), 31.9eV, 65.9min, 1/K0=0.822 #33155
	Cmpd 97537, +MS2(605.9897), 31.9eV, 81.6min, 1/K0=0.848 #41396
	Cmpd 96960, +MS2(908.4865), 42.0eV, 81.4min, 1/K0=1.145 #41295
	Cmpd 97284, +MS2(908.4867), 42.0eV, 81.5min, 1/K0=1.146 #41351
	Cmpd 96758, +MS2(908.4887), 42.0eV, 81.316-81.320min, 1/K0=1.145
	Cmpd 96748, +MS2(908.4870), 42.0eV, 81.3min, 1/K0=1.146 #41261
0.00000000000000020.0	Cmpd 71006, +MS2(916.4840), 42.0eV, 71.648-71.651min, 1/K0=1.148
0.00000000000000020.0	Cmpd 71310, +MS2(916.4834), 42.0eV, 71.8min, 1/K0=1.147 #36235
	Cmpd 72983, +MS2(611.6517), 31.9eV, 72.4min, 1/K0=0.789 #36565
	Cmpd 72693, +MS2(611.6525), 31.9eV, 72.3min, 1/K0=0.812 #36522
	Cmpd 56837, +MS2(932.4267), 37.0eV, 66.506-66.510min, 1/K0=1.022
	Cmpd 57093, +MS2(932.4314), 37.0eV, 66.6min, 1/K0=1.018 #33510
0.000000000000000200.0	Cmpd 37224, +MS2(940.4240), 37.0eV, 58.538-58.545min, 1/K0=1.025
	Cmpd 72795, +MS2(635.3308), 31.9eV, 72.3min, 1/K0=0.810 #36538
	Cmpd 73152, +MS2(635.3313), 31.9eV, 72.5min, 1/K0=0.853 #36598
	Cmpd 72908, +MS2(635.3314), 31.9eV, 72.4min, 1/K0=0.837 #36554
	Cmpd 72583, +MS2(635.3317), 31.9eV, 72.3min, 1/K0=0.841 #36500
	Cmpd 72802, +MS2(635.3338), 31.9eV, 72.348-72.350min, 1/K0=0.852
	Cmpd 72648, +MS2(673.3483), 31.9eV, 72.299-72.305min, 1/K0=0.816
	Cmpd 73855, +MS2(673.3458), 37.0eV, 72.7min, 1/K0=0.859 #36732
	Cmpd 72575, +MS2(673.3471), 31.9eV, 72.3min, 1/K0=0.838 #36499
	Cmpd 72492, +MS2(673.3472), 37.0eV, 72.2min, 1/K0=0.860 #36480

Cmpd 72738, +MS2(673.3471), 31.9eV, 72.3min, 1/K0=0.837 #36532  
 Cmpd 72636, +MS2(673.3482), 37.0eV, 72.3min, 1/K0=0.859 #36511  
 Cmpd 76615, +MS2(706.3681), 37.0eV, 73.7min, 1/K0=0.868 #37250  
 Cmpd 72697, +MS2(706.3690), 31.9eV, 72.3min, 1/K0=0.829 #36523  
 Cmpd 72719, +MS2(706.3692), 31.9eV, 72.329-72.331min, 1/K0=0.841  
 Cmpd 73834, +MS2(706.3694), 37.0eV, 72.7min, 1/K0=0.873 #36730  
 Cmpd 75320, +MS2(706.3697), 37.0eV, 73.3min, 1/K0=0.870 #37019  
 Cmpd 72396, +MS2(706.3705), 37.0eV, 72.197-72.201min, 1/K0=0.871  
 Cmpd 72474, +MS2(706.3694), 37.0eV, 72.2min, 1/K0=0.870 #36477  
 Cmpd 72834, +MS2(706.3701), 31.9eV, 72.4min, 1/K0=0.848 #36543  
 Cmpd 72663, +MS2(706.3721), 37.0eV, 72.307-72.308min, 1/K0=0.896  
 Cmpd 72624, +MS2(706.3727), 37.0eV, 72.3min, 1/K0=0.872 #36510  
 Cmpd 73007, +MS2(744.0655), 37.0eV, 72.405-72.411min, 1/K0=0.923  
 Cmpd 72565, +MS2(773.0719), 31.9eV, 72.3min, 1/K0=0.795 #36498  
 Cmpd 73804, +MS2(773.0736), 31.9eV, 72.7min, 1/K0=0.836 #36725  
 Cmpd 73844, +MS2(773.0746), 37.0eV, 72.7min, 1/K0=0.867 #36731  
 Cmpd 72584, +MS2(773.0749), 31.9eV, 72.3min, 1/K0=0.795 #36500  
 Cmpd 79559, +MS2(773.0740), 37.0eV, 74.8min, 1/K0=0.917 #37809  
 Cmpd 78371, +MS2(773.0773), 37.0eV, 74.3min, 1/K0=0.926 #37589  
 Cmpd 72424, +MS2(773.0769), 37.0eV, 72.2min, 1/K0=0.923 #36466  
 Cmpd 72598, +MS2(773.0759), 31.9eV, 72.280-72.284min, 1/K0=0.820  
 Cmpd 72496, +MS2(773.0754), 37.0eV, 72.2min, 1/K0=0.865 #36481  
 Cmpd 75979, +MS2(773.0778), 37.0eV, 73.5min, 1/K0=0.921 #37149  
 Cmpd 74866, +MS2(773.0769), 37.0eV, 73.1min, 1/K0=0.917 #36928  
 Cmpd 81908, +MS2(773.0759), 37.0eV, 75.598-75.606min, 1/K0=0.920  
 Cmpd 73716, +MS2(773.0768), 37.0eV, 72.7min, 1/K0=0.919 #36708  
 Cmpd 72643, +MS2(773.0768), 37.0eV, 72.3min, 1/K0=0.866 #36512  
 Cmpd 72523, +MS2(773.0778), 37.0eV, 72.3min, 1/K0=0.922 #36488  
 Cmpd 72327, +MS2(773.0751), 37.0eV, 72.2min, 1/K0=0.923 #36444  
 Cmpd 72462, +MS2(773.0754), 37.0eV, 72.2min, 1/K0=0.891 #36476  
 Cmpd 77275, +MS2(773.0777), 37.0eV, 73.9min, 1/K0=0.915 #37370  
 Cmpd 123055, +MS2(791.4377), 37.0eV, 88.944-88.953min, 1/K0=0.96  
 Cmpd 120911, +MS2(791.4418), 37.0eV, 88.4min, 1/K0=0.961 #44927  
 Cmpd 124217, +MS2(1186.6573), 42.0eV, 89.349-89.355min, 1/K0=1.1  
 Cmpd 123062, +MS2(1186.6607), 42.0eV, 88.945-88.947min, 1/K0=1.1  
 Cmpd 61104, +MS2(798.7113), 31.9eV, 68.038-68.045min, 1/K0=0.830  
 0.00000000000000002000000.0 Cmpd 42831, +MS2(804.0394), 37.0eV, 60.924-60.926min, 1/K0=0.858  
 0.00000000000000002000000.0 Cmpd 42844, +MS2(804.0401), 37.0eV, 60.93-60.94min, 1/K0=0.882 #  
 Cmpd 119870, +MS2(984.5282), 42.0eV, 88.1min, 1/K0=1.101 #44799  
 0.00000000000000000000000000200 Cmpd 115441, +MS2(989.8556), 42.0eV, 86.9min, 1/K0=1.105 #44190  
 Cmpd 36179, +MS2(502.7739), 31.9eV, 58.123-58.133min, 1/K0=0.751  
 Cmpd 48320, +MS2(503.7776), 31.9eV, 63.1min, 1/K0=0.758 #31650  
 Cmpd 15579, +MS2(508.2944), 31.9eV, 47.597-47.598min, 1/K0=0.786  
 Cmpd 15817, +MS2(508.2964), 31.9eV, 47.7min, 1/K0=0.786 #23532  
 Cmpd 116867, +MS2(519.7763), 31.9eV, 87.31-87.32min, 1/K0=0.787 #  
 Cmpd 114951, +MS2(519.7775), 31.9eV, 86.809-86.811min, 1/K0=0.77  
 Cmpd 114749, +MS2(519.7778), 31.9eV, 86.8min, 1/K0=0.792 #44100  
 Cmpd 2575, +MS2(519.7779), 31.9eV, 37.7min, 1/K0=0.782 #18184



	Cmpd 100943, +MS2(544.8204), 31.9eV, 82.8min, 1/K0=0.799 #42043
	Cmpd 114763, +MS2(569.3127), 31.9eV, 86.8min, 1/K0=0.834 #44101
	Cmpd 114569, +MS2(569.3127), 31.9eV, 86.7min, 1/K0=0.834 #44078
	Cmpd 116469, +MS2(569.3142), 31.9eV, 87.212-87.214min, 1/K0=0.83
	Cmpd 15647, +MS2(572.8170), 31.9eV, 47.636-47.638min, 1/K0=0.830
	Cmpd 113571, +MS2(583.8253), 31.9eV, 86.468-86.476min, 1/K0=0.82
	Cmpd 113563, +MS2(583.8253), 31.9eV, 86.5min, 1/K0=0.842 #43947
	Cmpd 29499, +MS2(592.3242), 31.9eV, 55.1min, 1/K0=0.855 #27446
	Cmpd 29430, +MS2(592.3257), 31.9eV, 55.09-55.10min, 1/K0=0.795 #
	Cmpd 29303, +MS2(592.3265), 37.0eV, 55.0min, 1/K0=0.856 #27391
	Cmpd 75701, +MS2(593.8091), 31.9eV, 73.4min, 1/K0=0.815 #37093
	Cmpd 16444, +MS2(601.3254), 31.9eV, 48.09-48.11min, 1/K0=0.843 #
	Cmpd 15708, +MS2(601.3288), 31.9eV, 47.7min, 1/K0=0.852 #23498
	Cmpd 31511, +MS2(601.3291), 37.0eV, 56.1min, 1/K0=0.857 #27975
	Cmpd 31595, +MS2(601.3296), 31.9eV, 56.2min, 1/K0=0.842 #27996
	Cmpd 27795, +MS2(606.3073), 31.9eV, 54.245-54.247min, 1/K0=0.823
	Cmpd 27940, +MS2(606.3075), 31.9eV, 54.31-54.32min, 1/K0=0.829 #
	Cmpd 28088, +MS2(606.3083), 31.9eV, 54.4min, 1/K0=0.854 #27050
	Cmpd 28814, +MS2(606.3089), 31.9eV, 54.8min, 1/K0=0.850 #27270
	Cmpd 27775, +MS2(606.3093), 31.9eV, 54.2min, 1/K0=0.848 #26973
	Cmpd 32531, +MS2(606.3101), 31.9eV, 56.589-56.591min, 1/K0=0.852
	Cmpd 29683, +MS2(606.3105), 31.9eV, 55.2min, 1/K0=0.851 #27491
	Cmpd 27679, +MS2(606.3108), 31.9eV, 54.171-54.173min, 1/K0=0.845
	Cmpd 66652, +MS2(611.3151), 37.0eV, 70.1min, 1/K0=0.871 #35379
	Cmpd 116500, +MS2(618.8561), 37.0eV, 87.2min, 1/K0=0.887 #44332
	Cmpd 116364, +MS2(618.8569), 37.0eV, 87.185-87.187min, 1/K0=0.88
	Cmpd 21893, +MS2(619.8189), 37.0eV, 51.073-51.074min, 1/K0=0.862
	Cmpd 21905, +MS2(619.8210), 37.0eV, 51.078-51.080min, 1/K0=0.864
	Cmpd 2796, +MS2(623.2633), 31.9eV, 37.9min, 1/K0=0.841 #18305
	Cmpd 3288, +MS2(623.2656), 31.9eV, 38.4min, 1/K0=0.842 #18580
	Cmpd 2932, +MS2(623.2650), 31.9eV, 38.0min, 1/K0=0.849 #18360
0.00000020000.0	Cmpd 352, +MS2(631.2595), 31.9eV, 31.6min, 1/K0=0.835 #15046
0.20000000000.0	Cmpd 10050, +MS2(631.2597), 31.9eV, 43.989-43.991min, 1/K0=0.833
0.00000020000.0	Cmpd 282, +MS2(631.2599), 31.9eV, 30.8min, 1/K0=0.834 #14652
0.00000020000.0	Cmpd 240, +MS2(631.2599), 31.9eV, 30.0min, 1/K0=0.837 #14278
0.20000000000.0	Cmpd 451, +MS2(631.2601), 31.9eV, 32.9min, 1/K0=0.845 #15613
0.00000020000.0	Cmpd 966, +MS2(631.2602), 31.9eV, 35.3min, 1/K0=0.842 #16886
0.00000020000.0	Cmpd 267, +MS2(631.2602), 31.9eV, 30.4min, 1/K0=0.834 #14467
0.20000000000.0	Cmpd 724, +MS2(631.2603), 31.9eV, 34.5min, 1/K0=0.843 #16454
0.00000020000.0	Cmpd 380, +MS2(631.2603), 31.9eV, 32.0min, 1/K0=0.835 #15227
0.20000000000.0	Cmpd 573, +MS2(631.2604), 31.9eV, 33.7min, 1/K0=0.843 #16024
0.20000000000.0	Cmpd 2825, +MS2(631.2604), 31.9eV, 38.0min, 1/K0=0.848 #18316
0.20000000000.0	Cmpd 533, +MS2(631.2605), 31.9eV, 33.3min, 1/K0=0.844 #15827
0.00000020000.0	Cmpd 403, +MS2(631.2606), 31.9eV, 32.4min, 1/K0=0.835 #15405
0.20000000000.0	Cmpd 2178, +MS2(631.2606), 31.9eV, 37.3min, 1/K0=0.843 #17987
0.20000000000.0	Cmpd 1481, +MS2(631.2608), 31.9eV, 36.513-36.514min, 1/K0=0.842
0.00000020000.0	Cmpd 231, +MS2(631.2608), 31.9eV, 29.860-29.861min, 1/K0=0.835 #
0.20000000000.0	Cmpd 649, +MS2(631.2611), 31.9eV, 34.1min, 1/K0=0.844 #16239

0.00000020000.0	Cmpd 230, +MS2(631.2621), 31.9eV, 29.80-29.81min, 1/K0=0.833 #14:
0.20000000000.0	Cmpd 10071, +MS2(631.2622), 31.9eV, 44.00-44.01min, 1/K0=0.837 #:
0.20000000000.0	Cmpd 1246, +MS2(631.2627), 31.9eV, 36.1min, 1/K0=0.843 #17326
	Cmpd 116241, +MS2(633.8332), 37.0eV, 87.2min, 1/K0=0.865 #44299
	Cmpd 114525, +MS2(633.8335), 37.0eV, 86.7min, 1/K0=0.866 #44071
	Cmpd 118028, +MS2(633.8348), 37.0eV, 87.607-87.613min, 1/K0=0.86
	Cmpd 114838, +MS2(633.8362), 37.0eV, 86.8min, 1/K0=0.883 #44111
	Cmpd 114662, +MS2(633.8368), 37.0eV, 86.7min, 1/K0=0.867 #44089
	Cmpd 15656, +MS2(636.8467), 37.0eV, 47.642-47.647min, 1/K0=0.879
	Cmpd 31241, +MS2(636.8473), 37.0eV, 55.986-55.988min, 1/K0=0.888
	Cmpd 31343, +MS2(636.8477), 37.0eV, 56.0min, 1/K0=0.888 #27932
	Cmpd 32250, +MS2(636.8492), 37.0eV, 56.456-56.458min, 1/K0=0.893
0.20000020000.0	Cmpd 1272, +MS2(639.2578), 31.9eV, 36.163-36.168min, 1/K0=0.841 #
0.20000020000.0	Cmpd 285, +MS2(639.2563), 31.9eV, 30.870-30.871min, 1/K0=0.838 #:
0.20000020000.0	Cmpd 1347, +MS2(639.2566), 31.9eV, 36.31-36.32min, 1/K0=0.841 #1:
0.20000020000.0	Cmpd 656, +MS2(639.2572), 31.9eV, 34.113-34.115min, 1/K0=0.840 #:
0.20000020000.0	Cmpd 576, +MS2(639.2573), 31.9eV, 33.698-33.700min, 1/K0=0.839 #:
0.20000020000.0	Cmpd 269, +MS2(639.2573), 31.9eV, 30.451-30.453min, 1/K0=0.838 #:
0.20000020000.0	Cmpd 2953, +MS2(639.2574), 31.9eV, 38.1min, 1/K0=0.843 #18371
0.20000020000.0	Cmpd 209, +MS2(639.2574), 31.9eV, 28.85-28.86min, 1/K0=0.838 #13:
0.20000020000.0	Cmpd 460, +MS2(639.2575), 31.9eV, 32.9min, 1/K0=0.839 #15634
0.20000020000.0	Cmpd 738, +MS2(639.2579), 31.9eV, 34.525-34.529min, 1/K0=0.839 #:
0.20000020000.0	Cmpd 535, +MS2(639.2579), 31.9eV, 33.3min, 1/K0=0.838 #15843
0.20000020000.0	Cmpd 355, +MS2(639.2581), 31.9eV, 31.664-31.670min, 1/K0=0.839 #:
0.20000020000.0	Cmpd 309, +MS2(639.2583), 31.9eV, 31.273-31.277min, 1/K0=0.838 #:
0.20000020000.0	Cmpd 227, +MS2(639.2583), 31.9eV, 29.643-29.646min, 1/K0=0.837 #:
0.20000020000.0	Cmpd 405, +MS2(639.2593), 31.9eV, 32.482-32.484min, 1/K0=0.839 #:
0.20000020000.0	Cmpd 113504, +MS2(640.3700), 37.0eV, 86.5min, 1/K0=0.893 #43939
	Cmpd 113562, +MS2(640.3713), 37.0eV, 86.5min, 1/K0=0.895 #43947
	Cmpd 108605, +MS2(658.3488), 37.0eV, 85.225-85.235min, 1/K0=0.87
	Cmpd 108593, +MS2(658.3496), 37.0eV, 85.2min, 1/K0=0.893 #43308
	Cmpd 21863, +MS2(663.3344), 37.0eV, 51.052-51.054min, 1/K0=0.908
	Cmpd 21904, +MS2(663.3367), 37.0eV, 51.078-51.082min, 1/K0=0.909
	Cmpd 115534, +MS2(689.9047), 37.0eV, 86.964-86.969min, 1/K0=0.94
	Cmpd 113503, +MS2(689.9051), 37.0eV, 86.5min, 1/K0=0.941 #43939
	Cmpd 113561, +MS2(689.9058), 37.0eV, 86.5min, 1/K0=0.945 #43947
	Cmpd 114640, +MS2(690.3790), 37.0eV, 86.738-86.740min, 1/K0=0.91
	Cmpd 114747, +MS2(690.3804), 37.0eV, 86.8min, 1/K0=0.917 #44100
	Cmpd 15672, +MS2(701.3654), 37.0eV, 47.657-47.659min, 1/K0=0.899
	Cmpd 66893, +MS2(704.3666), 37.0eV, 70.2min, 1/K0=0.952 #35422
	Cmpd 118115, +MS2(710.9184), 37.0eV, 87.6min, 1/K0=0.958 #44543
	Cmpd 116326, +MS2(710.9198), 37.0eV, 87.2min, 1/K0=0.960 #44310
	Cmpd 116488, +MS2(710.9211), 37.0eV, 87.2min, 1/K0=0.961 #44331
	Cmpd 114676, +MS2(725.8956), 37.0eV, 86.7min, 1/K0=0.880 #44090
	Cmpd 114719, +MS2(725.8967), 37.0eV, 86.8min, 1/K0=0.863 #44096
	Cmpd 114424, +MS2(725.8969), 37.0eV, 86.7min, 1/K0=0.953 #44059
	Cmpd 117755, +MS2(725.8986), 37.0eV, 87.5min, 1/K0=0.953 #44498
	Cmpd 114492, +MS2(725.8988), 37.0eV, 86.7min, 1/K0=0.953 #44068

Cmpd 115618, +MS2(725.8983), 37.0eV, 86.986-86.991min, 1/K0=0.92  
Cmpd 116156, +MS2(725.8991), 37.0eV, 87.1min, 1/K0=0.951 #44287  
Cmpd 114567, +MS2(725.8999), 37.0eV, 86.7min, 1/K0=0.954 #44078  
Cmpd 34605, +MS2(727.3951), 37.0eV, 57.412-57.414min, 1/K0=0.928  
Cmpd 31403, +MS2(727.3958), 37.0eV, 56.074-56.076min, 1/K0=0.964  
Cmpd 31494, +MS2(727.3961), 31.9eV, 56.1min, 1/K0=0.839 #27973  
Cmpd 31257, +MS2(727.3964), 37.0eV, 56.0min, 1/K0=0.925 #27908  
Cmpd 31182, +MS2(727.3968), 37.0eV, 56.0min, 1/K0=0.928 #27886  
Cmpd 31539, +MS2(727.3972), 37.0eV, 56.1min, 1/K0=0.862 #27983  
Cmpd 31432, +MS2(727.3974), 31.9eV, 56.084-56.085min, 1/K0=0.812  
Cmpd 31641, +MS2(727.3990), 31.9eV, 56.2min, 1/K0=0.838 #28009  
Cmpd 31458, +MS2(727.3977), 37.0eV, 56.1min, 1/K0=0.909 #27963  
Cmpd 33350, +MS2(727.3986), 37.0eV, 56.9min, 1/K0=0.928 #28403  
Cmpd 31328, +MS2(727.3991), 37.0eV, 56.0min, 1/K0=0.926 #27930  
Cmpd 32378, +MS2(727.4001), 37.0eV, 56.5min, 1/K0=0.922 #28184  
Cmpd 50820, +MS2(746.8668), 37.0eV, 64.097-64.101min, 1/K0=0.960  
Cmpd 51028, +MS2(746.8674), 37.0eV, 64.2min, 1/K0=0.958 #32232  
Cmpd 113565, +MS2(503.2822), 31.9eV, 86.466-86.468min, 1/K0=0.72  
Cmpd 115207, +MS2(754.4278), 37.0eV, 86.9min, 1/K0=0.971 #44158  
Cmpd 113548, +MS2(754.4280), 37.0eV, 86.5min, 1/K0=0.974 #43946  
Cmpd 15535, +MS2(758.8740), 37.0eV, 47.567-47.570min, 1/K0=0.916  
Cmpd 15551, +MS2(758.8798), 37.0eV, 47.576-47.583min, 1/K0=0.920  
Cmpd 15645, +MS2(758.8799), 37.0eV, 47.6min, 1/K0=0.921 #23476  
Cmpd 31225, +MS2(758.8809), 37.0eV, 55.976-55.982min, 1/K0=0.930  
Cmpd 31335, +MS2(758.8812), 37.0eV, 56.0min, 1/K0=0.931 #27931  
Cmpd 16389, +MS2(758.8837), 37.0eV, 48.062-48.068min, 1/K0=0.922  
Cmpd 32240, +MS2(758.8840), 37.0eV, 56.452-56.460min, 1/K0=0.922  
Cmpd 121167, +MS2(767.4125), 37.0eV, 88.4min, 1/K0=0.958 #44958  
Cmpd 66881, +MS2(768.3989), 37.0eV, 70.2min, 1/K0=0.993 #35421  
Cmpd 113636, +MS2(540.9770), 31.9eV, 86.5min, 1/K0=0.750 #43957  
Cmpd 113568, +MS2(810.9698), 37.0eV, 86.5min, 1/K0=1.021 #43948  
Cmpd 77677, +MS2(816.9173), 37.0eV, 74.080-74.082min, 1/K0=0.985  
Cmpd 76477, +MS2(816.9202), 37.0eV, 73.668-73.670min, 1/K0=0.989  
Cmpd 121022, +MS2(832.9312), 37.0eV, 88.391-88.401min, 1/K0=1.00  
Cmpd 108613, +MS2(842.4544), 42.0eV, 85.2min, 1/K0=1.078 #43310  
Cmpd 108469, +MS2(842.4536), 42.0eV, 85.2min, 1/K0=1.082 #43292  
Cmpd 116665, +MS2(564.6546), 31.9eV, 87.3min, 1/K0=0.768 #44353  
Cmpd 113381, +MS2(564.6547), 31.9eV, 86.4min, 1/K0=0.768 #43924  
Cmpd 115092, +MS2(564.6550), 31.9eV, 86.8min, 1/K0=0.769 #44144  
Cmpd 118295, +MS2(564.6552), 31.9eV, 87.671-87.672min, 1/K0=0.76  
Cmpd 113464, +MS2(564.6566), 31.9eV, 86.4min, 1/K0=0.769 #43935  
Cmpd 119766, +MS2(564.6561), 31.9eV, 88.09-88.10min, 1/K0=0.769 #44159  
Cmpd 115216, +MS2(846.4885), 37.0eV, 86.9min, 1/K0=1.047 #44159  
Cmpd 113547, +MS2(846.4893), 37.0eV, 86.5min, 1/K0=1.050 #43946  
Cmpd 113458, +MS2(846.4894), 37.0eV, 86.4min, 1/K0=1.049 #43935  
Cmpd 15573, +MS2(572.6321), 31.9eV, 47.593-47.598min, 1/K0=0.740  
Cmpd 15562, +MS2(572.6324), 31.9eV, 47.589-47.591min, 1/K0=0.747  
Cmpd 15522, +MS2(572.6327), 31.9eV, 47.6min, 1/K0=0.796 #23431

	Cmpd 15603, +MS2(572.6327), 31.9eV, 47.6min, 1/K0=0.795 #23464
	Cmpd 16331, +MS2(572.6331), 31.9eV, 48.0min, 1/K0=0.794 #23684
	Cmpd 17007, +MS2(572.6332), 31.9eV, 48.4min, 1/K0=0.792 #23904
	Cmpd 15472, +MS2(572.6344), 31.9eV, 47.512-47.514min, 1/K0=0.796
	Cmpd 15919, +MS2(858.4476), 37.0eV, 47.8min, 1/K0=0.981 #23563
	Cmpd 15599, +MS2(858.4482), 37.0eV, 47.6min, 1/K0=0.996 #23464
	Cmpd 15519, +MS2(858.4468), 37.0eV, 47.552-47.557min, 1/K0=0.993
	Cmpd 75657, +MS2(589.6720), 31.9eV, 73.383-73.385min, 1/K0=0.774
	Cmpd 75577, +MS2(884.0123), 42.0eV, 73.4min, 1/K0=1.098 #37071
	Cmpd 58099, +MS2(596.9764), 31.9eV, 66.925-66.929min, 1/K0=0.795
	Cmpd 108769, +MS2(899.9703), 42.0eV, 85.3min, 1/K0=1.111 #43331
	Cmpd 108541, +MS2(899.9709), 42.0eV, 85.2min, 1/K0=1.111 #43300
	Cmpd 121539, +MS2(635.3688), 31.9eV, 88.5min, 1/K0=0.829 #45003
	Cmpd 108508, +MS2(680.7023), 31.9eV, 85.2min, 1/K0=0.800 #43297
	Cmpd 108355, +MS2(680.7037), 31.9eV, 85.2min, 1/K0=0.852 #43276
	Cmpd 108507, +MS2(680.7047), 31.9eV, 85.2min, 1/K0=0.855 #43297
0.0000000000000000200.0	Cmpd 96774, +MS2(686.0344), 37.0eV, 81.3min, 1/K0=0.870 #41263
0.0000000000000000200.0	Cmpd 108694, +MS2(686.0359), 37.0eV, 85.247-85.248min, 1/K0=0.88
0.0000000000000000200.0	Cmpd 96341, +MS2(686.0326), 37.0eV, 81.182-81.184min, 1/K0=0.873
	Cmpd 77930, +MS2(745.0254), 31.9eV, 74.179-74.181min, 1/K0=0.835
	Cmpd 79022, +MS2(745.0255), 37.0eV, 74.6min, 1/K0=0.933 #37723
	Cmpd 77921, +MS2(745.0256), 37.0eV, 74.2min, 1/K0=0.898 #37502
	Cmpd 78143, +MS2(745.0239), 31.9eV, 74.3min, 1/K0=0.852 #37546
	Cmpd 77913, +MS2(745.0284), 37.0eV, 74.2min, 1/K0=0.939 #37501
	Cmpd 77773, +MS2(745.0306), 37.0eV, 74.116-74.126min, 1/K0=0.928
0.20000000000000000000.0	Cmpd 69709, +MS2(750.3544), 37.0eV, 71.2min, 1/K0=0.952 #35927
	Cmpd 100408, +MS2(755.0181), 37.0eV, 82.598-82.600min, 1/K0=0.86
	Cmpd 48254, +MS2(779.4085), 37.0eV, 63.053-63.054min, 1/K0=0.864
	Cmpd 48409, +MS2(779.4080), 37.0eV, 63.1min, 1/K0=0.863 #31670
	Cmpd 48504, +MS2(779.4061), 31.9eV, 63.153-63.155min, 1/K0=0.829
	Cmpd 82167, +MS2(1254.5658), 42.0eV, 75.7min, 1/K0=1.205 #38303
	Cmpd 83399, +MS2(836.7106), 37.0eV, 76.2min, 1/K0=0.874 #38546
	Cmpd 82232, +MS2(836.7121), 37.0eV, 75.7min, 1/K0=0.872 #38314
	Cmpd 82027, +MS2(836.7112), 37.0eV, 75.6min, 1/K0=0.873 #38272
	Cmpd 66817, +MS2(888.7474), 37.0eV, 70.2min, 1/K0=0.966 #35410
	Cmpd 66476, +MS2(888.7490), 37.0eV, 70.1min, 1/K0=0.965 #35345
	Cmpd 67387, +MS2(888.7481), 37.0eV, 70.390-70.392min, 1/K0=0.997
	Cmpd 66574, +MS2(888.7473), 37.0eV, 70.1min, 1/K0=0.966 #35366
	Cmpd 68001, +MS2(888.7471), 37.0eV, 70.6min, 1/K0=0.965 #35630
	Cmpd 59209, +MS2(961.1110), 37.0eV, 67.3min, 1/K0=0.941 #33892
	Cmpd 59130, +MS2(961.1102), 37.0eV, 67.292-67.296min, 1/K0=0.941
	Cmpd 59451, +MS2(961.1121), 37.0eV, 67.4min, 1/K0=0.941 #33947
	Cmpd 123345, +MS2(1012.5128), 37.0eV, 89.041-89.045min, 1/K0=0.9
	Cmpd 50012, +MS2(1013.1497), 37.0eV, 63.8min, 1/K0=0.937 #32022
	Cmpd 17166, +MS2(458.7364), 31.9eV, 48.567-48.571min, 1/K0=0.738
	Cmpd 17099, +MS2(508.2717), 31.9eV, 48.522-48.524min, 1/K0=0.787
	Cmpd 17308, +MS2(508.2718), 31.9eV, 48.6min, 1/K0=0.793 #24014
	Cmpd 17165, +MS2(508.2722), 31.9eV, 48.6min, 1/K0=0.790 #23970

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Cmpd 18040, +MS2(508.2726), 31.9eV, 49.1min, 1/K0=0.791 #24234  
Cmpd 65880, +MS2(536.7891), 31.9eV, 69.9min, 1/K0=0.792 #35234  
Cmpd 4994, +MS2(544.2353), 31.9eV, 40.104-40.106min, 1/K0=0.770 #151  
Cmpd 442, +MS2(552.2345), 31.9eV, 32.81-32.82min, 1/K0=0.770 #151  
Cmpd 27718, +MS2(560.7995), 31.9eV, 54.196-54.201min, 1/K0=0.812  
Cmpd 24441, +MS2(560.8003), 31.9eV, 52.5min, 1/K0=0.814 #26049  
Cmpd 23603, +MS2(560.8020), 31.9eV, 52.1min, 1/K0=0.812 #25829  
Cmpd 65745, +MS2(601.3125), 31.9eV, 69.8min, 1/K0=0.835 #35213  
Cmpd 65632, +MS2(601.3123), 31.9eV, 69.788-69.790min, 1/K0=0.836  
Cmpd 48098, +MS2(611.8023), 31.9eV, 63.0min, 1/K0=0.827 #31604  
Cmpd 5121, +MS2(615.2730), 31.9eV, 40.2min, 1/K0=0.831 #19526  
Cmpd 5577, +MS2(615.2748), 31.9eV, 40.6min, 1/K0=0.831 #19746  
Cmpd 4969, +MS2(615.2755), 31.9eV, 40.1min, 1/K0=0.833 #19451  
Cmpd 5006, +MS2(615.2760), 31.9eV, 40.1min, 1/K0=0.831 #19471  
Cmpd 23442, +MS2(617.3423), 37.0eV, 51.990-51.992min, 1/K0=0.864  
Cmpd 24484, +MS2(617.3408), 37.0eV, 52.5min, 1/K0=0.865 #26060  
Cmpd 26776, +MS2(617.3416), 31.9eV, 53.7min, 1/K0=0.853 #26676  
Cmpd 23649, +MS2(617.3416), 37.0eV, 52.1min, 1/K0=0.866 #25840  
Cmpd 23698, +MS2(617.3416), 31.9eV, 52.1min, 1/K0=0.847 #25851  
Cmpd 24526, +MS2(617.3419), 31.9eV, 52.5min, 1/K0=0.848 #26071  
Cmpd 25649, +MS2(617.3423), 31.9eV, 53.1min, 1/K0=0.847 #26370  
Cmpd 26121, +MS2(617.3420), 37.0eV, 53.3min, 1/K0=0.869 #26500  
Cmpd 34814, +MS2(617.3422), 37.0eV, 57.527-57.531min, 1/K0=0.866  
Cmpd 28696, +MS2(617.3439), 37.0eV, 54.7min, 1/K0=0.867 #27239  
Cmpd 25319, +MS2(617.3441), 37.0eV, 52.9min, 1/K0=0.865 #26280  
Cmpd 27949, +MS2(617.3441), 37.0eV, 54.3min, 1/K0=0.865 #27018  
Cmpd 23518, +MS2(617.3441), 37.0eV, 52.0min, 1/K0=0.864 #25808  
Cmpd 31226, +MS2(617.3444), 37.0eV, 56.0min, 1/K0=0.869 #27898  
Cmpd 30396, +MS2(617.3444), 37.0eV, 55.6min, 1/K0=0.861 #27677  
Cmpd 33316, +MS2(617.3449), 37.0eV, 56.912-56.914min, 1/K0=0.878  
Cmpd 28704, +MS2(617.3448), 37.0eV, 54.7min, 1/K0=0.879 #27241  
Cmpd 29555, +MS2(617.3451), 37.0eV, 55.1min, 1/K0=0.867 #27459  
Cmpd 32122, +MS2(617.3454), 37.0eV, 56.4min, 1/K0=0.861 #28118  
Cmpd 27241, +MS2(617.3466), 37.0eV, 53.904-53.906min, 1/K0=0.875  
Cmpd 579, +MS2(623.2709), 31.9eV, 33.7min, 1/K0=0.830 #16052  
Cmpd 538, +MS2(623.2712), 31.9eV, 33.3min, 1/K0=0.828 #15855  
Cmpd 465, +MS2(623.2723), 31.9eV, 32.9min, 1/K0=0.832 #15645  
Cmpd 662, +MS2(623.2733), 31.9eV, 34.1min, 1/K0=0.830 #16275  
Cmpd 812, +MS2(651.8003), 37.0eV, 34.849-34.858min, 1/K0=0.897 #139  
Cmpd 829, +MS2(659.7986), 37.0eV, 34.901-34.907min, 1/K0=0.895 #139  
Cmpd 216, +MS2(659.8001), 37.0eV, 29.25-29.27min, 1/K0=0.897 #139  
Cmpd 833, +MS2(659.8012), 37.0eV, 34.909-34.914min, 1/K0=0.896 #139  
Cmpd 65674, +MS2(665.8340), 37.0eV, 69.8min, 1/K0=0.865 #35201  
Cmpd 69322, +MS2(665.8341), 37.0eV, 71.1min, 1/K0=0.860 #35861  
Cmpd 67815, +MS2(665.8349), 37.0eV, 70.6min, 1/K0=0.874 #35597  
Cmpd 68311, +MS2(665.8352), 37.0eV, 70.710-70.711min, 1/K0=0.857  
Cmpd 65879, +MS2(665.8362), 37.0eV, 69.9min, 1/K0=0.863 #35234  
Cmpd 66240, +MS2(665.8372), 37.0eV, 70.0min, 1/K0=0.883 #35289

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	Cmpd 67090, +MS2(665.8372), 37.0eV, 70.3min, 1/K0=0.856 #35454
	Cmpd 53175, +MS2(675.8294), 37.0eV, 65.019-65.023min, 1/K0=0.900
	Cmpd 49196, +MS2(675.8297), 31.9eV, 63.448-63.456min, 1/K0=0.829
	Cmpd 47964, +MS2(675.8299), 37.0eV, 62.9min, 1/K0=0.940 #31573
	Cmpd 53692, +MS2(675.8303), 37.0eV, 65.242-65.244min, 1/K0=0.929
	Cmpd 51340, +MS2(675.8310), 37.0eV, 64.3min, 1/K0=0.935 #32299
	Cmpd 48210, +MS2(675.8311), 37.0eV, 63.0min, 1/K0=0.869 #31627
	Cmpd 47138, +MS2(675.8313), 37.0eV, 62.6min, 1/K0=0.908 #31418
	Cmpd 56272, +MS2(675.8315), 37.0eV, 66.3min, 1/K0=0.909 #33332
	Cmpd 50266, +MS2(675.8315), 37.0eV, 63.9min, 1/K0=0.931 #32079
	Cmpd 47040, +MS2(675.8317), 37.0eV, 62.6min, 1/K0=0.907 #31399
	Cmpd 48119, +MS2(675.8318), 31.9eV, 63.0min, 1/K0=0.830 #31607
	Cmpd 54210, +MS2(675.8325), 37.0eV, 65.4min, 1/K0=0.910 #32894
	Cmpd 47956, +MS2(675.8330), 37.0eV, 62.929-62.931min, 1/K0=0.867
	Cmpd 50251, +MS2(675.8333), 37.0eV, 63.9min, 1/K0=0.906 #32077
	Cmpd 51326, +MS2(675.8334), 37.0eV, 64.3min, 1/K0=0.905 #32297
	Cmpd 55315, +MS2(675.8335), 37.0eV, 65.852-65.854min, 1/K0=0.908
	Cmpd 48253, +MS2(675.8336), 37.0eV, 63.1min, 1/K0=0.910 #31637
	Cmpd 49241, +MS2(675.8339), 37.0eV, 63.5min, 1/K0=0.908 #31857
0.000000000000020.0	Cmpd 25146, +MS2(683.8235), 37.0eV, 52.832-52.838min, 1/K0=0.967
0.000000000000020.0	Cmpd 29221, +MS2(683.8253), 37.0eV, 54.981-54.983min, 1/K0=0.943
0.000000000000020.0	Cmpd 18978, +MS2(683.8252), 37.0eV, 49.606-49.608min, 1/K0=0.936
0.000000000000020.0	Cmpd 25111, +MS2(683.8256), 37.0eV, 52.811-52.817min, 1/K0=0.967
0.000000000000020.0	Cmpd 48578, +MS2(683.8301), 37.0eV, 63.183-63.185min, 1/K0=0.933
0.000000000000020.0	Cmpd 26565, +MS2(683.8262), 37.0eV, 53.528-53.530min, 1/K0=0.895
0.000000000000020.0	Cmpd 38198, +MS2(683.8263), 37.0eV, 58.971-58.977min, 1/K0=0.883
0.000000000000020.0	Cmpd 46404, +MS2(683.8262), 37.0eV, 62.351-62.355min, 1/K0=0.949
0.000000000000020.0	Cmpd 23389, +MS2(683.8263), 37.0eV, 51.954-51.960min, 1/K0=0.943
0.000000000000020.0	Cmpd 25776, +MS2(683.8257), 37.0eV, 53.157-53.163min, 1/K0=0.920
0.000000000000020.0	Cmpd 19461, +MS2(683.8266), 37.0eV, 49.9min, 1/K0=0.898 #24652
0.000000000000020.0	Cmpd 19443, +MS2(683.8267), 31.9eV, 49.838-49.842min, 1/K0=0.831
0.000000000000020.0	Cmpd 37941, +MS2(683.8266), 37.0eV, 58.9min, 1/K0=0.885 #29425
0.000000000000020.0	Cmpd 32720, +MS2(683.8273), 37.0eV, 56.662-56.664min, 1/K0=0.950
0.000000000000020.0	Cmpd 36315, +MS2(683.8270), 37.0eV, 58.186-58.188min, 1/K0=0.899
0.000000000000020.0	Cmpd 27331, +MS2(683.8271), 37.0eV, 53.953-53.955min, 1/K0=0.909
0.000000000000020.0	Cmpd 29453, +MS2(683.8274), 37.0eV, 55.1min, 1/K0=0.910 #27435
0.000000000000020.0	Cmpd 48122, +MS2(683.8276), 37.0eV, 63.0min, 1/K0=0.949 #31608
0.000000000000020.0	Cmpd 33666, +MS2(683.8277), 37.0eV, 57.1min, 1/K0=0.898 #28480
0.000000000000020.0	Cmpd 28609, +MS2(683.8277), 37.0eV, 54.7min, 1/K0=0.902 #27216
0.000000000000020.0	Cmpd 18946, +MS2(683.8276), 37.0eV, 49.593-49.600min, 1/K0=0.936
0.000000000000020.0	Cmpd 33363, +MS2(683.8307), 37.0eV, 56.9min, 1/K0=0.921 #28405
0.000000000000020.0	Cmpd 28087, +MS2(683.8276), 37.0eV, 54.376-54.379min, 1/K0=0.909
0.000000000000020.0	Cmpd 25638, +MS2(683.8279), 37.0eV, 53.089-53.093min, 1/K0=0.948
0.000000000000020.0	Cmpd 18971, +MS2(683.8280), 37.0eV, 49.6min, 1/K0=0.902 #24521
0.000000000000020.0	Cmpd 20599, +MS2(683.8280), 37.0eV, 50.459-50.461min, 1/K0=0.961
0.000000000000020.0	Cmpd 33094, +MS2(683.8284), 37.0eV, 56.8min, 1/K0=0.896 #28338
0.000000000000020.0	Cmpd 30671, +MS2(683.8283), 37.0eV, 55.698-55.700min, 1/K0=0.882
0.000000000000020.0	Cmpd 19646, +MS2(683.8282), 37.0eV, 50.0min, 1/K0=0.930 #24709

0.00000000000020.0	Cmpd 19051, +MS2(683.8282), 37.0eV, 49.6min, 1/K0=0.940 #24544
0.00000000000020.0	Cmpd 24409, +MS2(683.8287), 37.0eV, 52.5min, 1/K0=0.896 #26040
0.00000000000020.0	Cmpd 31218, +MS2(683.8284), 37.0eV, 56.0min, 1/K0=0.903 #27897
0.00000000000020.0	Cmpd 19038, +MS2(683.8282), 37.0eV, 49.6min, 1/K0=0.902 #24542
0.00000000000020.0	Cmpd 48056, +MS2(683.8285), 37.0eV, 63.0min, 1/K0=0.913 #31594
0.00000000000020.0	Cmpd 25251, +MS2(683.8284), 37.0eV, 52.89-52.90min, 1/K0=0.963 #:
0.00000000000020.0	Cmpd 28536, +MS2(683.8285), 37.0eV, 54.6min, 1/K0=0.905 #27195
0.00000000000020.0	Cmpd 46578, +MS2(683.8285), 37.0eV, 62.4min, 1/K0=0.900 #31307
0.00000000000020.0	Cmpd 49059, +MS2(683.8288), 37.0eV, 63.4min, 1/K0=0.903 #31814
0.00000000000020.0	Cmpd 24205, +MS2(683.8284), 37.0eV, 52.362-52.366min, 1/K0=0.954
0.00000000000020.0	Cmpd 39765, +MS2(683.8286), 37.0eV, 59.7min, 1/K0=0.897 #29846
0.00000000000020.0	Cmpd 28572, +MS2(683.8285), 37.0eV, 54.7min, 1/K0=0.883 #27205
0.00000000000020.0	Cmpd 19265, +MS2(683.8287), 37.0eV, 49.7min, 1/K0=0.886 #24597
0.00000000000020.0	Cmpd 24802, +MS2(683.8288), 37.0eV, 52.7min, 1/K0=0.890 #26137
0.00000000000020.0	Cmpd 45224, +MS2(683.8290), 37.0eV, 61.819-61.823min, 1/K0=0.958
0.00000000000020.0	Cmpd 41458, +MS2(683.8288), 37.0eV, 60.3min, 1/K0=0.919 #30209
0.00000000000020.0	Cmpd 38077, +MS2(683.8283), 37.0eV, 58.916-58.926min, 1/K0=0.882
0.00000000000020.0	Cmpd 28303, +MS2(683.8284), 37.0eV, 54.502-54.506min, 1/K0=0.893
0.00000000000020.0	Cmpd 19270, +MS2(683.8289), 37.0eV, 49.7min, 1/K0=0.949 #24598
0.00000000000020.0	Cmpd 39327, +MS2(683.8292), 37.0eV, 59.455-59.457min, 1/K0=0.879
0.00000000000020.0	Cmpd 36063, +MS2(683.8294), 37.0eV, 58.1min, 1/K0=0.901 #29010
0.00000000000020.0	Cmpd 28371, +MS2(683.8296), 37.0eV, 54.552-54.554min, 1/K0=0.944
0.00000000000020.0	Cmpd 43109, +MS2(683.8298), 37.0eV, 61.1min, 1/K0=0.891 #30581
0.00000000000020.0	Cmpd 49251, +MS2(683.8322), 37.0eV, 63.5min, 1/K0=0.886 #31858
0.00000000000020.0	Cmpd 45123, +MS2(683.8309), 37.0eV, 61.775-61.777min, 1/K0=0.957
0.00000000000020.0	Cmpd 18915, +MS2(683.8303), 37.0eV, 49.572-49.576min, 1/K0=0.898
0.00000000000020.0	Cmpd 49691, +MS2(683.8305), 37.0eV, 63.651-63.652min, 1/K0=0.947
0.00000000000020.0	Cmpd 32114, +MS2(683.8306), 37.0eV, 56.4min, 1/K0=0.897 #28117
0.00000000000020.0	Cmpd 37418, +MS2(683.8306), 37.0eV, 58.629-58.631min, 1/K0=0.900
0.00000000000020.0	Cmpd 45164, +MS2(683.8308), 37.0eV, 61.8min, 1/K0=0.907 #30969
0.00000000000020.0	Cmpd 20634, +MS2(683.8305), 37.0eV, 50.478-50.480min, 1/K0=0.902
0.00000000000020.0	Cmpd 20615, +MS2(683.8306), 37.0eV, 50.471-50.473min, 1/K0=0.903
0.00000000000020.0	Cmpd 48237, +MS2(683.8301), 37.0eV, 63.047-63.051min, 1/K0=0.879
0.00000000000020.0	Cmpd 39425, +MS2(683.8312), 37.0eV, 59.509-59.511min, 1/K0=0.878
0.00000000000020.0	Cmpd 43914, +MS2(683.8307), 37.0eV, 61.4min, 1/K0=0.906 #30748
0.00000000000020.0	Cmpd 49592, +MS2(683.8318), 37.0eV, 63.611-63.613min, 1/K0=0.948
0.00000000000020.0	Cmpd 815, +MS2(687.3211), 37.0eV, 34.87-34.88min, 1/K0=0.922 #166
0.000000002000.0	Cmpd 221, +MS2(695.3202), 37.0eV, 29.32-29.34min, 1/K0=0.920 #139
	Cmpd 120899, +MS2(696.3284), 37.0eV, 88.4min, 1/K0=0.892 #44926
	Cmpd 121218, +MS2(706.3867), 37.0eV, 88.4min, 1/K0=0.923 #44965
	Cmpd 801, +MS2(722.8372), 37.0eV, 34.815-34.821min, 1/K0=0.950 #:
	Cmpd 961, +MS2(722.8387), 37.0eV, 35.258-35.266min, 1/K0=0.951 #:
	Cmpd 66044, +MS2(729.8639), 37.0eV, 69.9min, 1/K0=0.946 #35256
	Cmpd 69652, +MS2(729.8639), 37.0eV, 71.2min, 1/K0=0.930 #35916
	Cmpd 65556, +MS2(729.8641), 37.0eV, 69.8min, 1/K0=0.924 #35180
	Cmpd 68418, +MS2(729.8644), 37.0eV, 70.7min, 1/K0=0.928 #35697
	Cmpd 70821, +MS2(729.8650), 37.0eV, 71.6min, 1/K0=0.924 #36136
	Cmpd 65892, +MS2(729.8653), 37.0eV, 69.9min, 1/K0=0.906 #35235

0.0000000002000.0	Cmpd 65673, +MS2(729.8662), 37.0eV, 69.8min, 1/K0=0.924 #35201
0.0000000002000.0	Cmpd 72748, +MS2(729.8664), 37.0eV, 72.3min, 1/K0=0.943 #36533
0.0000000002000.0	Cmpd 73954, +MS2(729.8666), 37.0eV, 72.8min, 1/K0=0.931 #36752
0.0000000002000.0	Cmpd 67213, +MS2(729.8668), 37.0eV, 70.3min, 1/K0=0.931 #35476
0.0000000002000.0	Cmpd 73733, +MS2(729.8670), 37.0eV, 72.7min, 1/K0=0.945 #36710
0.0000000002000.0	Cmpd 77496, +MS2(729.8672), 37.0eV, 74.0min, 1/K0=0.924 #37413
0.0000000002000.0	Cmpd 214, +MS2(730.8334), 37.0eV, 29.20-29.22min, 1/K0=0.947 #139
0.0000000002000.0	Cmpd 286, +MS2(730.8339), 37.0eV, 30.88-30.89min, 1/K0=0.947 #140
0.0000000002000.0	Cmpd 832, +MS2(730.8348), 37.0eV, 34.9min, 1/K0=0.948 #16690
0.0000000002000.0	Cmpd 805, +MS2(730.8359), 37.0eV, 34.830-34.838min, 1/K0=0.947 #141
0.0000000002000.0	Cmpd 232, +MS2(730.8359), 37.0eV, 29.87-29.88min, 1/K0=0.947 #142
0.0000000002000.0	Cmpd 218, +MS2(730.8362), 37.0eV, 29.268-29.270min, 1/K0=0.947 #143
0.0000000002000.0	Cmpd 228, +MS2(730.8369), 37.0eV, 29.662-29.667min, 1/K0=0.948 #144
0.0000000002000.0	Cmpd 270, +MS2(730.8319), 37.0eV, 30.473-30.481min, 1/K0=0.947 #145
0.0000000002000.0	Cmpd 249, +MS2(730.8393), 37.0eV, 30.072-30.080min, 1/K0=0.947 #146
0.0000000002000.0	Cmpd 272, +MS2(730.8380), 37.0eV, 30.54-30.55min, 1/K0=0.947 #147
0.000000200000.0	Cmpd 66582, +MS2(737.8617), 37.0eV, 70.1min, 1/K0=0.924 #35367
0.000000200000.0	Cmpd 33931, +MS2(737.8625), 37.0eV, 57.2min, 1/K0=0.923 #28547
0.000000200000.0	Cmpd 34014, +MS2(737.8629), 37.0eV, 57.2min, 1/K0=0.906 #28561
0.000000200000.0	Cmpd 33987, +MS2(737.8635), 37.0eV, 57.2min, 1/K0=0.924 #28558
	Cmpd 70349, +MS2(786.4068), 37.0eV, 71.393-71.395min, 1/K0=0.989
	Cmpd 68212, +MS2(786.4080), 37.0eV, 70.7min, 1/K0=0.981 #35663
	Cmpd 66178, +MS2(786.4083), 37.0eV, 70.0min, 1/K0=0.962 #35278
	Cmpd 65690, +MS2(786.4095), 37.0eV, 69.8min, 1/K0=0.980 #35203
	Cmpd 65794, +MS2(786.4110), 37.0eV, 69.8min, 1/K0=0.981 #35223
	Cmpd 67103, +MS2(786.4120), 37.0eV, 70.3min, 1/K0=1.002 #35456
	Cmpd 67021, +MS2(786.4120), 37.0eV, 70.3min, 1/K0=0.985 #35443
0.000000000000002.0	Cmpd 95019, +MS2(811.8913), 37.0eV, 80.7min, 1/K0=0.979 #40955
	Cmpd 66376, +MS2(835.9349), 37.0eV, 70.0min, 1/K0=1.034 #35322
	Cmpd 66295, +MS2(835.9411), 37.0eV, 70.0min, 1/K0=0.873 #35301
	Cmpd 81075, +MS2(835.9430), 37.0eV, 75.3min, 1/K0=1.025 #38096
	Cmpd 69852, +MS2(835.9435), 37.0eV, 71.2min, 1/K0=1.006 #35949
	Cmpd 78666, +MS2(835.9441), 37.0eV, 74.5min, 1/K0=1.019 #37654
	Cmpd 79932, +MS2(835.9424), 37.0eV, 74.9min, 1/K0=1.030 #37875
	Cmpd 67539, +MS2(835.9443), 37.0eV, 70.5min, 1/K0=1.025 #35542
	Cmpd 75205, +MS2(835.9445), 37.0eV, 73.2min, 1/K0=1.021 #36994
	Cmpd 77593, +MS2(835.9445), 37.0eV, 74.0min, 1/K0=1.027 #37434
	Cmpd 65793, +MS2(835.9446), 37.0eV, 69.8min, 1/K0=1.048 #35223
	Cmpd 68777, +MS2(835.9447), 37.0eV, 70.9min, 1/K0=1.021 #35762
	Cmpd 74070, +MS2(835.9448), 37.0eV, 72.8min, 1/K0=1.022 #36774
	Cmpd 67096, +MS2(835.9449), 37.0eV, 70.3min, 1/K0=1.005 #35455
	Cmpd 67020, +MS2(835.9447), 37.0eV, 70.3min, 1/K0=1.050 #35443
	Cmpd 76365, +MS2(835.9455), 37.0eV, 73.6min, 1/K0=1.028 #37215
	Cmpd 65876, +MS2(835.9456), 37.0eV, 69.9min, 1/K0=1.000 #35234
	Cmpd 72904, +MS2(835.9463), 37.0eV, 72.4min, 1/K0=1.023 #36554
	Cmpd 95414, +MS2(835.9466), 37.0eV, 80.862-80.866min, 1/K0=1.027
	Cmpd 65542, +MS2(835.9466), 37.0eV, 69.8min, 1/K0=1.022 #35179
	Cmpd 71808, +MS2(835.9480), 37.0eV, 72.0min, 1/K0=1.023 #36334



0.00000000200000.0	Cmpd 70715, +MS2(835.9482), 37.0eV, 71.5min, 1/K0=1.021 #36114
0.00000000200000.0	Cmpd 65671, +MS2(835.9491), 37.0eV, 69.8min, 1/K0=1.021 #35201
0.00000000200000.0	Cmpd 34917, +MS2(843.9368), 37.0eV, 57.6min, 1/K0=0.984 #28744
0.00000000200000.0	Cmpd 35147, +MS2(843.9369), 37.0eV, 57.7min, 1/K0=1.000 #28799
0.00000000200000.0	Cmpd 34161, +MS2(843.9376), 37.0eV, 57.3min, 1/K0=1.009 #28579
0.00000000200000.0	Cmpd 46212, +MS2(843.9379), 37.0eV, 62.3min, 1/K0=1.010 #31220
0.00000000200000.0	Cmpd 51511, +MS2(843.9382), 37.0eV, 64.4min, 1/K0=1.013 #32341
0.00000000200000.0	Cmpd 34176, +MS2(843.9398), 37.0eV, 57.3min, 1/K0=0.985 #28580
0.00000000200000.0	Cmpd 33986, +MS2(843.9406), 37.0eV, 57.2min, 1/K0=1.006 #28558
0.00000000200000.0	Cmpd 68233, +MS2(843.9410), 37.0eV, 70.7min, 1/K0=1.006 #35665
0.00000000200000.0	Cmpd 67038, +MS2(843.9418), 37.0eV, 70.3min, 1/K0=1.008 #35445
0.00000000200000.0	Cmpd 65806, +MS2(843.9419), 37.0eV, 69.8min, 1/K0=1.006 #35224
0.200000000000000000.0	Cmpd 106456, +MS2(1037.5069), 42.0eV, 84.681-84.683min, 1/K0=1.0
	Cmpd 125036, +MS2(971.8298), 37.0eV, 89.670-89.677min, 1/K0=0.95
	Cmpd 123923, +MS2(1457.2380), 47.0eV, 89.242-89.250min, 1/K0=1.3
	Cmpd 123305, +MS2(1457.2420), 47.0eV, 89.03-89.04min, 1/K0=1.272
	Cmpd 3896, +MS2(438.7430), 31.9eV, 39.076-39.078min, 1/K0=0.724 #
	Cmpd 43560, +MS2(464.7189), 31.9eV, 61.24-61.26min, 1/K0=0.725 #
	Cmpd 43622, +MS2(464.7191), 31.9eV, 61.263-61.264min, 1/K0=0.726
	Cmpd 51852, +MS2(500.2452), 31.9eV, 64.533-64.542min, 1/K0=0.748
	Cmpd 44419, +MS2(508.2321), 31.9eV, 61.508-61.510min, 1/K0=0.748
	Cmpd 44894, +MS2(508.2337), 31.9eV, 61.681-61.683min, 1/K0=0.748
	Cmpd 44867, +MS2(508.2355), 31.9eV, 61.675-61.677min, 1/K0=0.749
	Cmpd 43552, +MS2(508.2356), 31.9eV, 61.2min, 1/K0=0.743 #30681
	Cmpd 43591, +MS2(508.2349), 31.9eV, 61.255-61.257min, 1/K0=0.759
	Cmpd 90154, +MS2(515.7275), 31.9eV, 78.812-78.815min, 1/K0=0.759
	Cmpd 89925, +MS2(515.7276), 31.9eV, 78.7min, 1/K0=0.738 #39909
	Cmpd 89891, +MS2(515.7285), 31.9eV, 78.730-78.732min, 1/K0=0.753
	Cmpd 35349, +MS2(524.2932), 31.9eV, 57.8min, 1/K0=0.817 #28846
	Cmpd 98133, +MS2(556.3108), 31.9eV, 81.8min, 1/K0=0.805 #41494
	Cmpd 48107, +MS2(559.3321), 31.9eV, 63.0min, 1/K0=0.855 #31605
	Cmpd 49109, +MS2(559.3322), 31.9eV, 63.408-63.414min, 1/K0=0.854
	Cmpd 46958, +MS2(559.3322), 31.9eV, 62.6min, 1/K0=0.849 #31384
	Cmpd 46862, +MS2(559.3339), 31.9eV, 62.535-62.537min, 1/K0=0.851
	Cmpd 44790, +MS2(564.7751), 31.9eV, 61.639-61.641min, 1/K0=0.810
	Cmpd 43354, +MS2(564.7759), 31.9eV, 61.16-61.17min, 1/K0=0.811 #
	Cmpd 43486, +MS2(564.7770), 31.9eV, 61.2min, 1/K0=0.814 #30669
	Cmpd 89668, +MS2(566.2514), 31.9eV, 78.6min, 1/K0=0.774 #39854
	Cmpd 89938, +MS2(566.2521), 31.9eV, 78.7min, 1/K0=0.773 #39910
	Cmpd 43438, +MS2(600.2958), 31.9eV, 61.2min, 1/K0=0.848 #30658
	Cmpd 44739, +MS2(600.2962), 31.9eV, 61.6min, 1/K0=0.852 #30880
	Cmpd 43220, +MS2(600.2968), 31.9eV, 61.102-61.106min, 1/K0=0.841
	Cmpd 43307, +MS2(600.2970), 31.9eV, 61.1min, 1/K0=0.847 #30626
	Cmpd 49125, +MS2(600.2974), 37.0eV, 63.418-63.420min, 1/K0=0.857
	Cmpd 46645, +MS2(600.2979), 31.9eV, 62.4min, 1/K0=0.851 #31319
	Cmpd 45692, +MS2(600.2984), 31.9eV, 62.0min, 1/K0=0.848 #31099
	Cmpd 51209, +MS2(600.2987), 31.9eV, 64.252-64.254min, 1/K0=0.849
	Cmpd 48132, +MS2(600.3007), 31.9eV, 63.003-63.005min, 1/K0=0.855

Cmpd 33264, +MS2(602.3374), 37.0eV, 56.9min, 1/K0=0.864 #28381  
Cmpd 35237, +MS2(602.3383), 37.0eV, 57.7min, 1/K0=0.860 #28821  
Cmpd 36211, +MS2(602.3390), 37.0eV, 58.1min, 1/K0=0.861 #29041  
Cmpd 34341, +MS2(602.3390), 31.9eV, 57.3min, 1/K0=0.854 #28601  
Cmpd 34408, +MS2(602.3392), 37.0eV, 57.3min, 1/K0=0.867 #28614  
Cmpd 51627, +MS2(607.3120), 31.9eV, 64.438-64.440min, 1/K0=0.832  
Cmpd 51745, +MS2(607.3140), 31.9eV, 64.5min, 1/K0=0.831 #32396  
Cmpd 106198, +MS2(624.8410), 37.0eV, 84.6min, 1/K0=0.871 #42990  
Cmpd 44788, +MS2(656.8385), 37.0eV, 61.6min, 1/K0=0.908 #30890  
Cmpd 43485, +MS2(656.8400), 37.0eV, 61.2min, 1/K0=0.908 #30669  
Cmpd 49428, +MS2(702.8518), 31.9eV, 63.539-63.543min, 1/K0=0.825  
Cmpd 48819, +MS2(702.8528), 37.0eV, 63.287-63.289min, 1/K0=0.913  
Cmpd 49481, +MS2(702.8537), 31.9eV, 63.563-63.567min, 1/K0=0.801  
Cmpd 59278, +MS2(702.8557), 37.0eV, 67.355-67.362min, 1/K0=0.909  
Cmpd 48957, +MS2(702.8556), 37.0eV, 63.3min, 1/K0=0.911 #31791  
Cmpd 49195, +MS2(702.8557), 37.0eV, 63.4min, 1/K0=0.875 #31846  
Cmpd 49144, +MS2(702.8562), 37.0eV, 63.4min, 1/K0=0.911 #31835  
Cmpd 51240, +MS2(702.8563), 37.0eV, 64.3min, 1/K0=0.908 #32277  
Cmpd 50158, +MS2(702.8577), 37.0eV, 63.8min, 1/K0=0.907 #32056  
Cmpd 43219, +MS2(706.3722), 37.0eV, 61.100-61.102min, 1/K0=0.944  
Cmpd 48845, +MS2(706.3726), 37.0eV, 63.302-63.304min, 1/K0=0.959  
Cmpd 43300, +MS2(706.3733), 37.0eV, 61.1min, 1/K0=0.946 #30625  
Cmpd 45684, +MS2(706.3735), 37.0eV, 62.0min, 1/K0=0.951 #31098  
Cmpd 46636, +MS2(706.3736), 37.0eV, 62.4min, 1/K0=0.947 #31318  
Cmpd 55440, +MS2(706.3737), 37.0eV, 65.900-65.902min, 1/K0=0.944  
Cmpd 50944, +MS2(706.3740), 37.0eV, 64.143-64.146min, 1/K0=0.949  
Cmpd 43436, +MS2(706.3739), 37.0eV, 61.2min, 1/K0=0.947 #30658  
Cmpd 53035, +MS2(706.3775), 37.0eV, 64.973-64.977min, 1/K0=0.958  
Cmpd 54107, +MS2(706.3741), 37.0eV, 65.404-65.406min, 1/K0=0.955  
Cmpd 43594, +MS2(706.3737), 37.0eV, 61.257-61.259min, 1/K0=0.918  
Cmpd 47805, +MS2(706.3752), 37.0eV, 62.865-62.867min, 1/K0=0.949  
Cmpd 56428, +MS2(706.3753), 37.0eV, 66.327-66.337min, 1/K0=0.948  
Cmpd 49891, +MS2(706.3758), 37.0eV, 63.726-63.730min, 1/K0=0.954  
Cmpd 44720, +MS2(706.3760), 37.0eV, 61.6min, 1/K0=0.956 #30878  
Cmpd 57237, +MS2(727.9227), 37.0eV, 66.6min, 1/K0=0.907 #33529  
Cmpd 105641, +MS2(775.4169), 37.0eV, 84.4min, 1/K0=0.975 #42904  
Cmpd 98189, +MS2(775.4170), 37.0eV, 81.8min, 1/K0=0.979 #41504  
Cmpd 105886, +MS2(775.4179), 37.0eV, 84.5min, 1/K0=0.982 #42946  
Cmpd 98007, +MS2(856.9501), 37.0eV, 81.7min, 1/K0=1.010 #41482  
Cmpd 105644, +MS2(856.9491), 37.0eV, 84.4min, 1/K0=1.018 #42905  
Cmpd 105811, +MS2(856.9504), 37.0eV, 84.5min, 1/K0=1.016 #42934  
Cmpd 89944, +MS2(865.3980), 37.0eV, 78.7min, 1/K0=0.981 #39911  
Cmpd 89697, +MS2(865.4000), 37.0eV, 78.654-78.656min, 1/K0=0.978  
Cmpd 98060, +MS2(913.4950), 42.0eV, 81.7min, 1/K0=1.083 #41486  
Cmpd 57198, +MS2(913.5130), 37.0eV, 66.6min, 1/K0=1.043 #33525  
Cmpd 89920, +MS2(922.9131), 37.0eV, 78.7min, 1/K0=1.004 #39909  
Cmpd 105809, +MS2(971.0066), 42.0eV, 84.5min, 1/K0=1.114 #42934  
Cmpd 89760, +MS2(973.4380), 37.0eV, 78.7min, 1/K0=1.041 #39876

	Cmpd 89672, +MS2(973.4396), 37.0eV, 78.643-78.645min, 1/K0=1.041
	Cmpd 56918, +MS2(661.3730), 31.9eV, 66.5min, 1/K0=0.791 #33474
	Cmpd 56884, +MS2(661.3718), 37.0eV, 66.5min, 1/K0=0.864 #33467
	Cmpd 57141, +MS2(661.3722), 31.9eV, 66.6min, 1/K0=0.803 #33518
	Cmpd 57011, +MS2(661.3730), 37.0eV, 66.6min, 1/K0=0.862 #33496
	Cmpd 57020, +MS2(661.3740), 37.0eV, 66.6min, 1/K0=0.882 #33497
	Cmpd 57104, +MS2(661.3734), 37.0eV, 66.6min, 1/K0=0.899 #33511
	Cmpd 98004, +MS2(1014.5238), 42.0eV, 81.7min, 1/K0=1.153 #41482
	Cmpd 102263, +MS2(701.0248), 31.9eV, 83.289-83.295min, 1/K0=0.81
	Cmpd 102307, +MS2(701.0256), 31.9eV, 83.3min, 1/K0=0.812 #42308
	Cmpd 74660, +MS2(1054.0176), 42.0eV, 73.009-73.016min, 1/K0=1.06
	Cmpd 105579, +MS2(709.7019), 31.9eV, 84.4min, 1/K0=0.824 #42893
	Cmpd 105746, +MS2(709.7014), 31.9eV, 84.5min, 1/K0=0.821 #42923
	Cmpd 105676, +MS2(1064.0568), 42.0eV, 84.5min, 1/K0=1.191 #42912
	Cmpd 98019, +MS2(1064.0563), 42.0eV, 81.7min, 1/K0=1.193 #41483
	Cmpd 97902, +MS2(1064.0575), 42.0eV, 81.705-81.709min, 1/K0=1.19
0.00000020000000000000.0	Cmpd 82407, +MS2(715.0337), 31.9eV, 75.784-75.786min, 1/K0=0.818
0.00000020000000000000.0	Cmpd 83721, +MS2(715.0343), 31.9eV, 76.289-76.290min, 1/K0=0.820
0.00000020000000000000.0	Cmpd 82597, +MS2(715.0363), 31.9eV, 75.9min, 1/K0=0.821 #38392
0.00000020000000000000.0	Cmpd 105729, +MS2(715.0353), 31.9eV, 84.476-84.478min, 1/K0=0.82
	Cmpd 90058, +MS2(1094.0091), 42.0eV, 78.8min, 1/K0=1.102 #39931
	Cmpd 98120, +MS2(752.3987), 31.9eV, 81.8min, 1/K0=0.838 #41493
	Cmpd 102557, +MS2(752.4002), 31.9eV, 83.4min, 1/K0=0.848 #42352
	Cmpd 97929, +MS2(752.3999), 31.9eV, 81.7min, 1/K0=0.850 #41471
	Cmpd 97644, +MS2(752.4002), 31.9eV, 81.6min, 1/K0=0.846 #41417
	Cmpd 106366, +MS2(752.4008), 31.9eV, 84.653-84.655min, 1/K0=0.84
	Cmpd 97748, +MS2(752.4027), 31.9eV, 81.7min, 1/K0=0.847 #41438
	Cmpd 103802, +MS2(752.3982), 31.9eV, 83.8min, 1/K0=0.844 #42571
	Cmpd 101428, +MS2(752.4026), 31.9eV, 83.0min, 1/K0=0.854 #42133
	Cmpd 97555, +MS2(752.4001), 31.9eV, 81.581-81.583min, 1/K0=0.846
	Cmpd 100354, +MS2(752.4023), 31.9eV, 82.6min, 1/K0=0.836 #41924
	Cmpd 100293, +MS2(752.4017), 31.9eV, 82.6min, 1/K0=0.848 #41911
	Cmpd 104993, +MS2(752.3997), 31.9eV, 84.2min, 1/K0=0.847 #42791
	Cmpd 99240, +MS2(752.4033), 31.9eV, 82.1min, 1/K0=0.850 #41691
	Cmpd 98339, +MS2(1128.1014), 42.0eV, 81.821-81.831min, 1/K0=1.24
	Cmpd 97924, +MS2(1128.1047), 42.0eV, 81.7min, 1/K0=1.183 #41471
	Cmpd 98537, +MS2(1128.1041), 42.0eV, 81.9min, 1/K0=1.165 #41561
0.00000002000000000000.0	Cmpd 98968, +MS2(757.7318), 37.0eV, 82.0min, 1/K0=0.865 #41637
0.00000002000000000000.0	Cmpd 98403, +MS2(757.7319), 31.9eV, 81.8min, 1/K0=0.833 #41537
0.00000002000000000000.0	Cmpd 97943, +MS2(757.7331), 31.9eV, 81.7min, 1/K0=0.848 #41472
0.00000002000000000000.0	Cmpd 81801, +MS2(757.7325), 31.9eV, 75.564-75.566min, 1/K0=0.847
0.00000002000000000000.0	Cmpd 79387, +MS2(757.7330), 31.9eV, 74.7min, 1/K0=0.848 #37786
0.00000002000000000000.0	Cmpd 97710, +MS2(757.7325), 31.9eV, 81.636-81.638min, 1/K0=0.845
0.00000002000000000000.0	Cmpd 86390, +MS2(757.7333), 31.9eV, 77.312-77.314min, 1/K0=0.853
0.00000002000000000000.0	Cmpd 99350, +MS2(757.7325), 31.9eV, 82.2min, 1/K0=0.849 #41713
0.00000002000000000000.0	Cmpd 75708, +MS2(757.7354), 31.9eV, 73.4min, 1/K0=0.845 #37094
0.00000002000000000000.0	Cmpd 75854, +MS2(757.7333), 31.9eV, 73.5min, 1/K0=0.845 #37126
0.00000002000000000000.0	Cmpd 78247, +MS2(757.7358), 31.9eV, 74.3min, 1/K0=0.847 #37566

0.0000000200000000000.0	Cmpd 77142, +MS2(757.7355), 31.9eV, 73.9min, 1/K0=0.847 #37346
	Cmpd 90068, +MS2(1251.5762), 42.0eV, 78.8min, 1/K0=1.145 #39932
	Cmpd 89989, +MS2(1251.5781), 42.0eV, 78.8min, 1/K0=1.145 #39920
	Cmpd 89822, +MS2(1251.5766), 42.0eV, 78.7min, 1/K0=1.163 #39888
	Cmpd 90046, +MS2(872.4182), 37.0eV, 78.783-78.785min, 1/K0=0.890
	Cmpd 89708, +MS2(1357.6504), 42.0eV, 78.7min, 1/K0=1.246 #39865
	Cmpd 102332, +MS2(905.4416), 37.0eV, 83.316-83.318min, 1/K0=0.91
	Cmpd 89492, +MS2(905.4381), 37.0eV, 78.6min, 1/K0=0.902 #39810
	Cmpd 89498, +MS2(905.4386), 37.0eV, 78.560-78.561min, 1/K0=0.887
	Cmpd 89569, +MS2(1357.6521), 42.0eV, 78.6min, 1/K0=1.239 #39832
	Cmpd 90195, +MS2(1357.6541), 47.0eV, 78.8min, 1/K0=1.265 #39953
	Cmpd 89622, +MS2(905.4381), 37.0eV, 78.6min, 1/K0=0.902 #39843
	Cmpd 99632, +MS2(905.4414), 37.0eV, 82.289-82.292min, 1/K0=0.910
	Cmpd 95770, +MS2(905.4441), 37.0eV, 81.0min, 1/K0=0.904 #41089
	Cmpd 89868, +MS2(905.4398), 37.0eV, 78.7min, 1/K0=0.905 #39898
	Cmpd 91047, +MS2(905.4410), 37.0eV, 79.1min, 1/K0=0.915 #40118
	Cmpd 93578, +MS2(905.4399), 37.0eV, 80.1min, 1/K0=0.907 #40646
	Cmpd 99960, +MS2(905.4436), 37.0eV, 82.412-82.418min, 1/K0=0.911
	Cmpd 92379, +MS2(905.4408), 37.0eV, 79.7min, 1/K0=0.919 #40394
	Cmpd 92531, +MS2(905.4423), 37.0eV, 79.7min, 1/K0=0.904 #40426
	Cmpd 93434, +MS2(905.4389), 37.0eV, 80.1min, 1/K0=0.888 #40617
	Cmpd 91468, +MS2(905.4406), 37.0eV, 79.3min, 1/K0=0.896 #40206
	Cmpd 94601, +MS2(905.4409), 37.0eV, 80.6min, 1/K0=0.905 #40867
	Cmpd 105941, +MS2(956.1231), 37.0eV, 84.5min, 1/K0=0.930 #42955
	Cmpd 120951, +MS2(1201.2586), 37.0eV, 88.4min, 1/K0=1.045 #44935
	Cmpd 120979, +MS2(1201.2612), 37.0eV, 88.4min, 1/K0=1.049 #44936
	Cmpd 7632, +MS2(466.7290), 31.9eV, 42.3min, 1/K0=0.740 #20648
	Cmpd 8326, +MS2(466.7293), 31.9eV, 42.8min, 1/K0=0.740 #20901
	Cmpd 7700, +MS2(466.7302), 31.9eV, 42.4min, 1/K0=0.742 #20681
	Cmpd 73782, +MS2(589.2927), 31.9eV, 72.7min, 1/K0=0.825 #36720
	Cmpd 73593, +MS2(589.2933), 31.9eV, 72.6min, 1/K0=0.826 #36685
	Cmpd 6684, +MS2(603.7887), 31.9eV, 41.630-41.632min, 1/K0=0.829 #36685
	Cmpd 38787, +MS2(618.8083), 37.0eV, 59.2min, 1/K0=0.875 #29613
	Cmpd 37820, +MS2(618.8084), 37.0eV, 58.8min, 1/K0=0.874 #29393
	Cmpd 39787, +MS2(618.8087), 37.0eV, 59.674-59.676min, 1/K0=0.869
	Cmpd 110868, +MS2(624.3595), 37.0eV, 85.8min, 1/K0=0.869 #43595
	Cmpd 110570, +MS2(624.3603), 37.0eV, 85.7min, 1/K0=0.892 #43561
	Cmpd 110428, +MS2(624.3610), 37.0eV, 85.7min, 1/K0=0.886 #43541
	Cmpd 61061, +MS2(630.8235), 37.0eV, 68.0min, 1/K0=0.859 #34259
	Cmpd 61249, +MS2(630.8252), 31.9eV, 68.1min, 1/K0=0.855 #34299
0.00200000000.0	Cmpd 93546, +MS2(632.3563), 37.0eV, 80.1min, 1/K0=0.886 #40638
	Cmpd 73665, +MS2(662.8285), 37.0eV, 72.6min, 1/K0=0.886 #36697
	Cmpd 110447, +MS2(667.8752), 37.0eV, 85.7min, 1/K0=0.884 #43543
	Cmpd 110586, +MS2(667.8775), 37.0eV, 85.7min, 1/K0=0.885 #43562
	Cmpd 110405, +MS2(667.8781), 37.0eV, 85.7min, 1/K0=0.931 #43539
	Cmpd 110813, +MS2(667.8782), 37.0eV, 85.8min, 1/K0=0.907 #43589
0.000200000000.0	Cmpd 93325, +MS2(675.8733), 37.0eV, 80.049-80.053min, 1/K0=0.887
0.000200000000.0	Cmpd 93386, +MS2(675.8733), 37.0eV, 80.1min, 1/K0=0.886 #40606

	Cmpd 42130, +MS2(690.8468), 37.0eV, 60.613-60.614min, 1/K0=0.940
	Cmpd 110501, +MS2(717.4130), 37.0eV, 85.7min, 1/K0=0.963 #43551
	Cmpd 61292, +MS2(723.8711), 37.0eV, 68.1min, 1/K0=0.928 #34310
	Cmpd 61298, +MS2(723.8714), 37.0eV, 68.1min, 1/K0=0.943 #34311
	Cmpd 60845, +MS2(723.8727), 37.0eV, 68.0min, 1/K0=0.922 #34222
	Cmpd 61200, +MS2(723.8758), 31.9eV, 68.076-68.078min, 1/K0=0.819
	Cmpd 61577, +MS2(723.8742), 37.0eV, 68.227-68.229min, 1/K0=0.955
	Cmpd 61088, +MS2(723.8741), 37.0eV, 68.0min, 1/K0=0.910 #34266
	Cmpd 61199, +MS2(723.8747), 37.0eV, 68.1min, 1/K0=0.907 #34288
	Cmpd 61403, +MS2(723.8752), 31.9eV, 68.2min, 1/K0=0.838 #34333
	Cmpd 60974, +MS2(723.8763), 37.0eV, 68.0min, 1/K0=0.923 #34244
	Cmpd 61223, +MS2(723.8766), 31.9eV, 68.087-68.089min, 1/K0=0.854
	Cmpd 63394, +MS2(723.8768), 37.0eV, 69.0min, 1/K0=0.923 #34751
0.0000200000000.0	Cmpd 62469, +MS2(723.8759), 37.0eV, 68.5min, 1/K0=0.922 #34534
	Cmpd 93239, +MS2(725.4129), 37.0eV, 80.0min, 1/K0=0.953 #40581
	Cmpd 73858, +MS2(728.3508), 37.0eV, 72.7min, 1/K0=0.948 #36733
	Cmpd 54476, +MS2(798.8991), 37.0eV, 65.5min, 1/K0=0.989 #32946
	Cmpd 54313, +MS2(798.9010), 37.0eV, 65.472-65.476min, 1/K0=0.985
	Cmpd 55552, +MS2(798.9024), 37.0eV, 66.0min, 1/K0=0.985 #33166
	Cmpd 110382, +MS2(802.4655), 37.0eV, 85.666-85.668min, 1/K0=1.03
	Cmpd 110568, +MS2(802.4671), 37.0eV, 85.7min, 1/K0=1.015 #43561
	Cmpd 110489, +MS2(802.4677), 37.0eV, 85.7min, 1/K0=1.038 #43550
0.02000000000000.0	Cmpd 112135, +MS2(802.4684), 37.0eV, 86.114-86.116min, 1/K0=1.03
	Cmpd 35873, +MS2(806.8944), 37.0eV, 58.004-58.008min, 1/K0=0.977
	Cmpd 110610, +MS2(808.4112), 37.0eV, 85.7min, 1/K0=1.003 #43564
0.000000200000000.0	Cmpd 93238, +MS2(810.4677), 37.0eV, 80.022-80.032min, 1/K0=1.042
0.000000200000000.0	Cmpd 93415, +MS2(810.4697), 37.0eV, 80.085-80.095min, 1/K0=0.992
	Cmpd 85498, +MS2(810.8651), 31.9eV, 76.95-76.97min, 1/K0=0.842 #43564
	Cmpd 84885, +MS2(810.8675), 37.0eV, 76.7min, 1/K0=0.965 #38842
	Cmpd 85496, +MS2(810.8680), 37.0eV, 77.0min, 1/K0=0.967 #38963
	Cmpd 84797, +MS2(810.8684), 37.0eV, 76.687-76.688min, 1/K0=0.966
	Cmpd 87542, +MS2(810.8687), 37.0eV, 77.8min, 1/K0=0.974 #39393
	Cmpd 85048, +MS2(810.8688), 37.0eV, 76.8min, 1/K0=0.966 #38876
	Cmpd 85583, +MS2(810.8693), 37.0eV, 76.981-76.985min, 1/K0=0.892
	Cmpd 86548, +MS2(810.8690), 37.0eV, 77.4min, 1/K0=0.959 #39184
	Cmpd 85546, +MS2(810.8692), 37.0eV, 77.0min, 1/K0=0.869 #38973
	Cmpd 88567, +MS2(810.8692), 37.0eV, 78.2min, 1/K0=0.968 #39615
	Cmpd 85279, +MS2(810.8697), 37.0eV, 76.874-76.876min, 1/K0=0.910
	Cmpd 91930, +MS2(810.8727), 37.0eV, 79.491-79.493min, 1/K0=0.968
	Cmpd 42421, +MS2(819.3971), 37.0eV, 60.7min, 1/K0=0.987 #30416
	Cmpd 42201, +MS2(819.3991), 37.0eV, 60.6min, 1/K0=0.987 #30362
	Cmpd 121110, +MS2(842.9449), 42.0eV, 88.4min, 1/K0=1.074 #44950
	Cmpd 75096, +MS2(849.4138), 37.0eV, 73.2min, 1/K0=1.025 #36972
	Cmpd 74249, +MS2(849.4139), 37.0eV, 72.9min, 1/K0=1.002 #36809
	Cmpd 73671, +MS2(849.4161), 37.0eV, 72.7min, 1/K0=1.020 #36698
	Cmpd 73953, +MS2(849.4161), 37.0eV, 72.8min, 1/K0=1.019 #36752
	Cmpd 73503, +MS2(849.4167), 37.0eV, 72.590-72.591min, 1/K0=1.022
	Cmpd 42285, +MS2(854.9177), 37.0eV, 60.7min, 1/K0=1.022 #30383

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Cmpd 42097, +MS2(854.9179), 37.0eV, 60.597-60.607min, 1/K0=1.023  
Cmpd 60897, +MS2(857.4114), 37.0eV, 68.0min, 1/K0=1.015 #34233  
Cmpd 54652, +MS2(863.4228), 37.0eV, 65.6min, 1/K0=0.998 #32979  
Cmpd 54733, +MS2(863.4194), 37.0eV, 65.6min, 1/K0=1.015 #32992  
Cmpd 54463, +MS2(863.4207), 37.0eV, 65.528-65.529min, 1/K0=1.006  
Cmpd 110619, +MS2(872.4440), 37.0eV, 85.7min, 1/K0=1.049 #43565  
Cmpd 89324, +MS2(875.4414), 37.0eV, 78.482-78.488min, 1/K0=0.926  
Cmpd 89199, +MS2(875.4436), 37.0eV, 78.4min, 1/K0=0.979 #39744  
Cmpd 91201, +MS2(875.4440), 37.0eV, 79.2min, 1/K0=1.010 #40151  
Cmpd 88828, +MS2(875.4442), 37.0eV, 78.3min, 1/K0=1.011 #39668  
Cmpd 90060, +MS2(875.4448), 37.0eV, 78.8min, 1/K0=1.010 #39931  
Cmpd 89029, +MS2(875.4466), 37.0eV, 78.4min, 1/K0=1.013 #39711  
Cmpd 91547, +MS2(875.4470), 37.0eV, 79.336-79.338min, 1/K0=1.030  
Cmpd 95459, +MS2(875.4466), 37.0eV, 80.9min, 1/K0=1.006 #41033  
Cmpd 92260, +MS2(875.4482), 37.0eV, 79.6min, 1/K0=1.009 #40372  
Cmpd 94367, +MS2(875.4476), 37.0eV, 80.5min, 1/K0=1.005 #40813  
Cmpd 93315, +MS2(875.4477), 37.0eV, 80.0min, 1/K0=1.004 #40593  
Cmpd 101985, +MS2(875.4452), 37.0eV, 83.184-83.191min, 1/K0=1.01  
Cmpd 42657, +MS2(603.3001), 31.9eV, 60.8min, 1/K0=0.769 #30471  
Cmpd 42244, +MS2(603.3008), 31.9eV, 60.7min, 1/K0=0.768 #30372  
Cmpd 42173, +MS2(603.2991), 31.9eV, 60.628-60.632min, 1/K0=0.768  
Cmpd 43434, +MS2(904.4514), 42.0eV, 61.2min, 1/K0=1.059 #30658  
Cmpd 42284, +MS2(904.4537), 42.0eV, 60.7min, 1/K0=1.069 #30383  
Cmpd 42239, +MS2(904.4529), 42.0eV, 60.7min, 1/K0=1.070 #30372  
Cmpd 42510, +MS2(904.4533), 42.0eV, 60.8min, 1/K0=1.063 #30438  
Cmpd 42086, +MS2(904.4540), 42.0eV, 60.6min, 1/K0=1.057 #30339  
Cmpd 42031, +MS2(904.4522), 42.0eV, 60.574-60.576min, 1/K0=1.073  
Cmpd 44729, +MS2(904.4547), 42.0eV, 61.6min, 1/K0=1.071 #30879  
Cmpd 51609, +MS2(609.3062), 31.9eV, 64.428-64.438min, 1/K0=0.774  
Cmpd 54778, +MS2(613.6422), 31.9eV, 65.6min, 1/K0=0.764 #33001  
Cmpd 54606, +MS2(919.9656), 37.0eV, 65.6min, 1/K0=1.022 #32969  
Cmpd 56563, +MS2(919.9616), 37.0eV, 66.388-66.390min, 1/K0=1.048  
Cmpd 55073, +MS2(919.9632), 37.0eV, 65.8min, 1/K0=1.036 #33067  
Cmpd 55185, +MS2(919.9637), 37.0eV, 65.8min, 1/K0=1.037 #33090  
Cmpd 54367, +MS2(919.9638), 37.0eV, 65.5min, 1/K0=1.052 #32925  
Cmpd 55604, +MS2(919.9638), 37.0eV, 66.0min, 1/K0=1.053 #33178  
Cmpd 54539, +MS2(919.9647), 37.0eV, 65.6min, 1/K0=1.054 #32957  
Cmpd 35701, +MS2(927.9576), 37.0eV, 57.930-57.934min, 1/K0=1.046  
Cmpd 36052, +MS2(927.9582), 37.0eV, 58.1min, 1/K0=1.049 #29009  
Cmpd 110594, +MS2(953.9738), 42.0eV, 85.7min, 1/K0=1.084 #43563  
Cmpd 110876, +MS2(953.9745), 42.0eV, 85.782-85.786min, 1/K0=1.07  
Cmpd 120379, +MS2(996.0360), 42.0eV, 88.2min, 1/K0=1.124 #44862  
Cmpd 110593, +MS2(1011.4876), 42.0eV, 85.7min, 1/K0=1.131 #43563  
Cmpd 116279, +MS2(707.0529), 37.0eV, 87.162-87.165min, 1/K0=0.87  
Cmpd 70200, +MS2(717.7021), 37.0eV, 71.3min, 1/K0=0.922 #36006  
Cmpd 68906, +MS2(717.7064), 37.0eV, 70.9min, 1/K0=0.928 #35784  
Cmpd 67222, +MS2(1076.0587), 42.0eV, 70.329-70.333min, 1/K0=1.19  
Cmpd 72813, +MS2(717.7054), 37.0eV, 72.352-72.354min, 1/K0=0.943

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	Cmpd 72346, +MS2(717.7072), 37.0eV, 72.176-72.180min, 1/K0=0.928
	Cmpd 67644, +MS2(717.7090), 37.0eV, 70.5min, 1/K0=0.932 #35564
	Cmpd 67155, +MS2(717.7071), 37.0eV, 70.3min, 1/K0=0.934 #35466
	Cmpd 66882, +MS2(717.7079), 37.0eV, 70.22-70.24min, 1/K0=0.936 #35466
	Cmpd 75406, +MS2(717.7071), 37.0eV, 73.292-73.294min, 1/K0=0.923
	Cmpd 50344, +MS2(730.6903), 31.9eV, 63.921-63.923min, 1/K0=0.846
	Cmpd 110728, +MS2(741.6830), 37.0eV, 85.748-85.753min, 1/K0=0.85
	Cmpd 110566, +MS2(1112.0259), 42.0eV, 85.7min, 1/K0=1.147 #43561
	Cmpd 110508, +MS2(1112.0265), 42.0eV, 85.7min, 1/K0=1.148 #43552
0.0000000000000000020.0	Cmpd 103992, +MS2(747.0141), 37.0eV, 83.9min, 1/K0=0.865 #42604
0.0000000000000000020.0	Cmpd 103704, +MS2(747.0150), 37.0eV, 83.771-83.773min, 1/K0=0.86
0.0000000000000000020.0	Cmpd 102327, +MS2(747.0143), 37.0eV, 83.3min, 1/K0=0.868 #42311
	Cmpd 120976, +MS2(1121.5976), 42.0eV, 88.4min, 1/K0=1.241 #44936
	Cmpd 121003, +MS2(748.0673), 37.0eV, 88.4min, 1/K0=0.926 #44938
	Cmpd 120895, +MS2(1153.0912), 42.0eV, 88.4min, 1/K0=1.172 #44926
	Cmpd 116212, +MS2(920.4973), 37.0eV, 87.147-87.149min, 1/K0=0.95
	Cmpd 120721, +MS2(1030.5449), 37.0eV, 88.3min, 1/K0=1.026 #44904
	Cmpd 114226, +MS2(1147.5510), 37.0eV, 86.6min, 1/K0=1.035 #44035
	Cmpd 83332, +MS2(464.2432), 31.9eV, 76.137-76.139min, 1/K0=0.736
	Cmpd 86171, +MS2(464.2435), 31.9eV, 77.2min, 1/K0=0.739 #39106
	Cmpd 83987, +MS2(464.2436), 31.9eV, 76.4min, 1/K0=0.741 #38666
	Cmpd 83490, +MS2(464.2437), 31.9eV, 76.2min, 1/K0=0.737 #38567
	Cmpd 85099, +MS2(464.2437), 31.9eV, 76.8min, 1/K0=0.740 #38886
	Cmpd 85508, +MS2(464.2438), 31.9eV, 77.0min, 1/K0=0.753 #38964
	Cmpd 84464, +MS2(464.2446), 31.9eV, 76.557-76.560min, 1/K0=0.722
	Cmpd 40906, +MS2(480.7567), 31.9eV, 60.117-60.122min, 1/K0=0.757
	Cmpd 83995, +MS2(520.7864), 31.9eV, 76.4min, 1/K0=0.793 #38667
	Cmpd 40963, +MS2(537.2981), 31.9eV, 60.139-60.149min, 1/K0=0.819
	Cmpd 40944, +MS2(537.2998), 31.9eV, 60.1min, 1/K0=0.816 #30096
	Cmpd 75606, +MS2(544.2648), 31.9eV, 73.36-73.38min, 1/K0=0.811 #30096
	Cmpd 32776, +MS2(548.8422), 31.9eV, 56.7min, 1/K0=0.818 #28273
	Cmpd 32625, +MS2(548.8435), 31.9eV, 56.6min, 1/K0=0.816 #28240
	Cmpd 33708, +MS2(548.8448), 31.9eV, 57.1min, 1/K0=0.808 #28492
	Cmpd 111838, +MS2(550.8272), 31.9eV, 86.0min, 1/K0=0.802 #43726
	Cmpd 111825, +MS2(550.8275), 31.9eV, 86.0min, 1/K0=0.803 #43725
	Cmpd 21470, +MS2(556.3191), 31.9eV, 50.830-50.831min, 1/K0=0.840
	Cmpd 22189, +MS2(556.3206), 31.9eV, 51.259-51.261min, 1/K0=0.839
	Cmpd 97379, +MS2(564.3498), 31.9eV, 81.518-81.522min, 1/K0=0.818
	Cmpd 97647, +MS2(564.3516), 31.9eV, 81.6min, 1/K0=0.821 #41418
	Cmpd 75109, +MS2(576.8486), 31.9eV, 73.2min, 1/K0=0.821 #36973
	Cmpd 73872, +MS2(576.8496), 31.9eV, 72.723-72.726min, 1/K0=0.840
	Cmpd 73900, +MS2(576.8498), 31.9eV, 72.7min, 1/K0=0.821 #36741
	Cmpd 73821, +MS2(576.8499), 31.9eV, 72.7min, 1/K0=0.837 #36729
	Cmpd 74129, +MS2(576.8511), 31.9eV, 72.8min, 1/K0=0.837 #36785
	Cmpd 42195, +MS2(580.3114), 31.9eV, 60.6min, 1/K0=0.816 #30361
	Cmpd 41872, +MS2(580.3122), 31.9eV, 60.5min, 1/K0=0.831 #30295
	Cmpd 40881, +MS2(594.3220), 31.9eV, 60.107-60.109min, 1/K0=0.853
	Cmpd 41067, +MS2(594.3223), 37.0eV, 60.2min, 1/K0=0.856 #30120

Cmpd 97970, +MS2(599.8722), 37.0eV, 81.7min, 1/K0=0.861 #41475  
Cmpd 22122, +MS2(605.8529), 37.0eV, 51.223-51.225min, 1/K0=0.884  
Cmpd 21395, +MS2(605.8532), 37.0eV, 50.8min, 1/K0=0.886 #25159  
Cmpd 90146, +MS2(617.8169), 31.9eV, 78.810-78.813min, 1/K0=0.846  
Cmpd 114161, +MS2(626.8495), 31.9eV, 86.6min, 1/K0=0.849 #44025  
Cmpd 114300, +MS2(626.8505), 31.9eV, 86.7min, 1/K0=0.851 #44045  
Cmpd 115944, +MS2(626.8507), 31.9eV, 87.072-87.080min, 1/K0=0.84  
Cmpd 41270, +MS2(629.8418), 37.0eV, 60.268-60.270min, 1/K0=0.900  
Cmpd 41211, +MS2(629.8425), 37.0eV, 60.2min, 1/K0=0.880 #30153  
Cmpd 40919, +MS2(629.8428), 37.0eV, 60.120-60.122min, 1/K0=0.870  
Cmpd 97296, +MS2(635.3882), 37.0eV, 81.488-81.490min, 1/K0=0.889  
Cmpd 98847, +MS2(635.3902), 37.0eV, 82.0min, 1/K0=0.895 #41615  
Cmpd 97528, +MS2(635.3906), 37.0eV, 81.6min, 1/K0=0.892 #41395  
Cmpd 100315, +MS2(652.3059), 37.0eV, 82.561-82.564min, 1/K0=0.86  
Cmpd 100392, +MS2(652.3073), 37.0eV, 82.6min, 1/K0=0.864 #41933  
Cmpd 100379, +MS2(652.3077), 37.0eV, 82.6min, 1/K0=0.865 #41932  
Cmpd 17656, +MS2(669.7838), 37.0eV, 48.8min, 1/K0=0.871 #24113  
Cmpd 42754, +MS2(680.3696), 37.0eV, 60.9min, 1/K0=0.924 #30493  
Cmpd 41604, +MS2(680.3700), 37.0eV, 60.4min, 1/K0=0.926 #30241  
Cmpd 41759, +MS2(680.3721), 37.0eV, 60.5min, 1/K0=0.924 #30273  
Cmpd 43737, +MS2(680.3727), 37.0eV, 61.3min, 1/K0=0.922 #30715  
Cmpd 40918, +MS2(686.3842), 37.0eV, 60.1min, 1/K0=0.925 #30088  
Cmpd 90085, +MS2(695.8632), 37.0eV, 78.8min, 1/K0=0.923 #39933  
Cmpd 109904, +MS2(696.9381), 37.0eV, 85.549-85.551min, 1/K0=0.91  
Cmpd 109758, +MS2(696.9381), 37.0eV, 85.5min, 1/K0=0.915 #43461  
Cmpd 98548, +MS2(701.9069), 37.0eV, 81.889-81.897min, 1/K0=0.904  
Cmpd 61827, +MS2(715.8741), 31.9eV, 68.318-68.319min, 1/K0=0.821  
Cmpd 65200, +MS2(715.8750), 37.0eV, 69.644-69.646min, 1/K0=0.929  
Cmpd 61449, +MS2(715.8768), 37.0eV, 68.2min, 1/K0=0.946 #34343  
Cmpd 61846, +MS2(715.8772), 37.0eV, 68.3min, 1/K0=0.936 #34420  
Cmpd 61867, +MS2(715.8775), 37.0eV, 68.3min, 1/K0=0.910 #34423  
Cmpd 62909, +MS2(715.8816), 37.0eV, 68.7min, 1/K0=0.927 #34640  
Cmpd 103868, +MS2(722.3948), 37.0eV, 83.8min, 1/K0=0.945 #42582  
Cmpd 120862, +MS2(730.4039), 37.0eV, 88.4min, 1/K0=0.938 #44922  
Cmpd 98219, +MS2(751.4442), 37.0eV, 81.783-81.785min, 1/K0=0.954  
Cmpd 89750, +MS2(752.4059), 37.0eV, 78.679-78.680min, 1/K0=0.968  
Cmpd 12862, +MS2(761.3280), 37.0eV, 45.877-45.881min, 1/K0=0.912  
Cmpd 10251, +MS2(761.3299), 37.0eV, 44.117-44.119min, 1/K0=0.907  
Cmpd 13555, +MS2(761.3324), 37.0eV, 46.317-46.325min, 1/K0=0.914  
Cmpd 10278, +MS2(761.3303), 37.0eV, 44.138-44.142min, 1/K0=0.891  
Cmpd 10310, +MS2(761.3307), 37.0eV, 44.2min, 1/K0=0.908 #21628  
Cmpd 11617, +MS2(761.3312), 37.0eV, 45.0min, 1/K0=0.906 #22100  
Cmpd 10962, +MS2(761.3315), 37.0eV, 44.6min, 1/K0=0.909 #21880  
Cmpd 10452, +MS2(761.3318), 37.0eV, 44.264-44.273min, 1/K0=0.944  
Cmpd 10391, +MS2(761.3321), 37.0eV, 44.2min, 1/K0=0.907 #21660  
Cmpd 10241, +MS2(761.3325), 37.0eV, 44.1min, 1/K0=0.909 #21602  
Cmpd 95367, +MS2(513.6561), 31.9eV, 80.847-80.853min, 1/K0=0.766  
Cmpd 91858, +MS2(786.9064), 37.0eV, 79.5min, 1/K0=0.986 #40286



Cmpd 108252, +MS2(790.4629), 37.0eV, 85.1min, 1/K0=0.985 #43264  
Cmpd 41986, +MS2(793.9257), 37.0eV, 60.556-60.557min, 1/K0=0.982  
Cmpd 40952, +MS2(793.9263), 37.0eV, 60.1min, 1/K0=0.980 #30097  
Cmpd 40818, +MS2(793.9269), 37.0eV, 60.081-60.083min, 1/K0=0.982  
Cmpd 114141, +MS2(818.9706), 37.0eV, 86.6min, 1/K0=0.980 #44023  
Cmpd 114298, +MS2(818.9728), 37.0eV, 86.7min, 1/K0=0.980 #44045  
Cmpd 115918, +MS2(818.9738), 37.0eV, 87.1min, 1/K0=0.982 #44255  
Cmpd 75516, +MS2(832.3946), 37.0eV, 73.3min, 1/K0=1.002 #37060  
Cmpd 108342, +MS2(559.6554), 31.9eV, 85.2min, 1/K0=0.775 #43275  
Cmpd 108607, +MS2(559.6565), 31.9eV, 85.2min, 1/K0=0.758 #43309  
Cmpd 108188, +MS2(838.9908), 37.0eV, 85.1min, 1/K0=1.016 #43255  
Cmpd 110360, +MS2(838.9918), 37.0eV, 85.658-85.662min, 1/K0=1.02  
Cmpd 75458, +MS2(867.9162), 37.0eV, 73.3min, 1/K0=1.025 #37049  
Cmpd 109771, +MS2(588.3489), 31.9eV, 85.523-85.526min, 1/K0=0.78  
Cmpd 109657, +MS2(882.0328), 42.0eV, 85.495-85.499min, 1/K0=1.06  
Cmpd 109792, +MS2(882.0335), 42.0eV, 85.5min, 1/K0=1.069 #43464  
Cmpd 63972, +MS2(596.3020), 31.9eV, 69.183-69.187min, 1/K0=0.758  
Cmpd 63861, +MS2(893.9556), 37.0eV, 69.1min, 1/K0=1.020 #34852  
Cmpd 64537, +MS2(893.9562), 37.0eV, 69.390-69.392min, 1/K0=1.029  
Cmpd 64982, +MS2(893.9564), 37.0eV, 69.557-69.559min, 1/K0=1.016  
Cmpd 64152, +MS2(893.9572), 37.0eV, 69.3min, 1/K0=0.998 #34916  
Cmpd 27251, +MS2(601.3286), 31.9eV, 53.910-53.914min, 1/K0=0.804  
0.200000000000000000.0 Cmpd 55083, +MS2(601.6364), 37.0eV, 65.765-65.767min, 1/K0=0.864  
0.200000000000000000.0 Cmpd 54837, +MS2(901.9525), 37.0eV, 65.7min, 1/K0=1.024 #33013  
Cmpd 75385, +MS2(602.6214), 31.9eV, 73.3min, 1/K0=0.826 #37030  
Cmpd 77817, +MS2(903.4315), 42.0eV, 74.13-74.15min, 1/K0=1.062 #4  
Cmpd 75271, +MS2(903.4327), 42.0eV, 73.241-73.246min, 1/K0=1.058  
Cmpd 75363, +MS2(903.4343), 42.0eV, 73.3min, 1/K0=1.060 #37028  
Cmpd 76603, +MS2(903.4377), 42.0eV, 73.7min, 1/K0=1.061 #37249  
Cmpd 99991, +MS2(939.4486), 37.0eV, 82.4min, 1/K0=1.040 #41845  
Cmpd 100146, +MS2(939.4502), 37.0eV, 82.5min, 1/K0=1.037 #41878  
Cmpd 101248, +MS2(939.4521), 37.0eV, 82.9min, 1/K0=1.046 #42104  
Cmpd 101227, +MS2(939.4519), 37.0eV, 82.9min, 1/K0=1.033 #42100  
Cmpd 101301, +MS2(939.4531), 37.0eV, 82.9min, 1/K0=1.048 #42111  
Cmpd 102430, +MS2(939.4505), 37.0eV, 83.3min, 1/K0=1.038 #42330  
Cmpd 109819, +MS2(631.0349), 31.9eV, 85.5min, 1/K0=0.795 #43466  
Cmpd 108162, +MS2(946.0536), 42.0eV, 85.1min, 1/K0=1.116 #43253  
Cmpd 80347, +MS2(995.4911), 42.0eV, 75.035-75.042min, 1/K0=1.148  
Cmpd 77781, +MS2(663.9956), 37.0eV, 74.1min, 1/K0=0.871 #37471  
Cmpd 76625, +MS2(663.9963), 37.0eV, 73.704-73.706min, 1/K0=0.869  
Cmpd 75298, +MS2(663.9974), 37.0eV, 73.3min, 1/K0=0.871 #37016  
Cmpd 75247, +MS2(995.4919), 42.0eV, 73.2min, 1/K0=1.144 #37005  
Cmpd 75519, +MS2(663.9976), 31.9eV, 73.3min, 1/K0=0.853 #37060  
Cmpd 78836, +MS2(663.9969), 37.0eV, 74.533-74.535min, 1/K0=0.869  
Cmpd 78804, +MS2(995.4918), 42.0eV, 74.528-74.532min, 1/K0=1.143  
Cmpd 75152, +MS2(995.4930), 42.0eV, 73.192-73.194min, 1/K0=1.146  
Cmpd 75645, +MS2(663.9978), 37.0eV, 73.4min, 1/K0=0.856 #37082  
Cmpd 75352, +MS2(995.4930), 42.0eV, 73.3min, 1/K0=1.145 #37027

	Cmpd 76581, +MS2(995.4932), 42.0eV, 73.7min, 1/K0=1.149 #37247
	Cmpd 109845, +MS2(668.7326), 31.9eV, 85.538-85.540min, 1/K0=0.83
	Cmpd 91919, +MS2(716.3626), 31.9eV, 79.5min, 1/K0=0.850 #40297
	Cmpd 92103, +MS2(716.3638), 37.0eV, 79.6min, 1/K0=0.883 #40339
	Cmpd 92498, +MS2(716.3626), 37.0eV, 79.7min, 1/K0=0.866 #40418
	Cmpd 109844, +MS2(717.7593), 37.0eV, 85.538-85.540min, 1/K0=0.89
	Cmpd 109679, +MS2(1076.1351), 42.0eV, 85.5min, 1/K0=1.235 #43451
	Cmpd 96762, +MS2(814.4165), 37.0eV, 81.3min, 1/K0=0.857 #41262
	Cmpd 95935, +MS2(1221.1246), 47.0eV, 81.047-81.049min, 1/K0=1.26
	Cmpd 95758, +MS2(814.4221), 37.0eV, 81.0min, 1/K0=0.882 #41087
	Cmpd 96094, +MS2(1221.1260), 47.0eV, 81.1min, 1/K0=1.265 #41152
	Cmpd 95921, +MS2(814.4209), 37.0eV, 81.0min, 1/K0=0.885 #41119
	Cmpd 96238, +MS2(814.4207), 37.0eV, 81.1min, 1/K0=0.884 #41174
	Cmpd 96840, +MS2(1221.1245), 42.0eV, 81.340-81.342min, 1/K0=1.24
	Cmpd 85742, +MS2(824.7581), 37.0eV, 77.049-77.051min, 1/K0=0.886
	Cmpd 109683, +MS2(841.1558), 37.0eV, 85.5min, 1/K0=0.988 #43451
	Cmpd 110070, +MS2(919.1205), 37.0eV, 85.6min, 1/K0=0.983 #43496
	Cmpd 109883, +MS2(919.1197), 37.0eV, 85.5min, 1/K0=0.980 #43474
	Cmpd 7800, +MS2(399.7046), 31.9eV, 42.44-42.46min, 1/K0=0.673 #2(
	Cmpd 8745, +MS2(399.7048), 31.9eV, 43.125-43.132min, 1/K0=0.677 #
	Cmpd 8229, +MS2(399.7049), 31.9eV, 42.7min, 1/K0=0.678 #20857
	Cmpd 8182, +MS2(399.7058), 31.9eV, 42.670-42.676min, 1/K0=0.689 #
	Cmpd 8005, +MS2(399.7052), 31.9eV, 42.546-42.554min, 1/K0=0.671 #
	Cmpd 8228, +MS2(456.2485), 31.9eV, 42.711-42.717min, 1/K0=0.725 #
	Cmpd 90290, +MS2(543.2900), 31.9eV, 78.857-78.861min, 1/K0=0.812
	Cmpd 90267, +MS2(543.2904), 31.9eV, 78.8min, 1/K0=0.787 #39964
	Cmpd 89994, +MS2(543.2905), 31.9eV, 78.8min, 1/K0=0.793 #39920
	Cmpd 90218, +MS2(592.8255), 31.9eV, 78.8min, 1/K0=0.836 #39955
	Cmpd 108373, +MS2(606.3063), 37.0eV, 85.2min, 1/K0=0.877 #43278
0.000000002000.0	Cmpd 90232, +MS2(658.3459), 31.9eV, 78.836-78.840min, 1/K0=0.855
	Cmpd 97176, +MS2(663.8392), 37.0eV, 81.449-81.455min, 1/K0=0.936
	Cmpd 109216, +MS2(686.8638), 37.0eV, 85.381-85.385min, 1/K0=0.89
	Cmpd 90281, +MS2(693.8679), 37.0eV, 78.853-78.855min, 1/K0=0.944
0.000000002000.0	Cmpd 108266, +MS2(712.3857), 37.0eV, 85.1min, 1/K0=0.976 #43265
	Cmpd 97318, +MS2(720.3818), 37.0eV, 81.496-81.499min, 1/K0=0.984
	Cmpd 117410, +MS2(737.3856), 37.0eV, 87.5min, 1/K0=0.953 #44454
	Cmpd 90014, +MS2(743.3994), 37.0eV, 78.8min, 1/K0=0.961 #39922
	Cmpd 90061, +MS2(743.3996), 37.0eV, 78.8min, 1/K0=0.945 #39931
	Cmpd 90558, +MS2(743.4000), 37.0eV, 78.956-78.958min, 1/K0=0.874
	Cmpd 90770, +MS2(743.4004), 37.0eV, 79.0min, 1/K0=0.950 #40063
	Cmpd 90134, +MS2(743.4016), 37.0eV, 78.8min, 1/K0=0.929 #39942
	Cmpd 90437, +MS2(743.4027), 37.0eV, 78.9min, 1/K0=0.952 #39997
	Cmpd 92915, +MS2(743.4037), 37.0eV, 79.9min, 1/K0=0.945 #40503
	Cmpd 91833, +MS2(743.4043), 37.0eV, 79.5min, 1/K0=0.948 #40283
	Cmpd 89373, +MS2(743.9245), 37.0eV, 78.506-78.508min, 1/K0=1.020
0.00200000000000.0	Cmpd 106222, +MS2(749.8773), 37.0eV, 84.614-84.618min, 1/K0=0.92
0.00200000000000.0	Cmpd 65352, +MS2(751.3991), 37.0eV, 69.7min, 1/K0=0.940 #35146
	Cmpd 90915, +MS2(751.3994), 37.0eV, 79.093-79.095min, 1/K0=0.964

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Cmpd 80281, +MS2(751.4004), 37.0eV, 75.012-75.014min, 1/K0=0.941  
Cmpd 90448, +MS2(751.4005), 37.0eV, 78.9min, 1/K0=0.941 #39998  
Cmpd 65334, +MS2(759.8967), 37.0eV, 69.695-69.699min, 1/K0=0.968  
Cmpd 83681, +MS2(784.9357), 37.0eV, 76.279-76.281min, 1/K0=0.952  
Cmpd 83500, +MS2(784.9370), 37.0eV, 76.203-76.205min, 1/K0=0.951  
Cmpd 108401, +MS2(793.9192), 37.0eV, 85.175-85.176min, 1/K0=1.01  
Cmpd 98724, +MS2(806.9353), 37.0eV, 81.9min, 1/K0=0.973 #41593  
Cmpd 100888, +MS2(806.9369), 37.0eV, 82.8min, 1/K0=0.975 #42033  
Cmpd 99838, +MS2(806.9382), 37.0eV, 82.4min, 1/K0=0.972 #41812  
Cmpd 70764, +MS2(821.4557), 37.0eV, 71.6min, 1/K0=0.987 #36125  
Cmpd 71864, +MS2(821.4559), 37.0eV, 72.0min, 1/K0=0.992 #36345  
Cmpd 83188, +MS2(841.4767), 37.0eV, 76.1min, 1/K0=0.988 #38512  
Cmpd 84338, +MS2(841.4767), 37.0eV, 76.5min, 1/K0=0.985 #38732  
Cmpd 82810, +MS2(841.4774), 37.0eV, 76.0min, 1/K0=0.992 #38436  
Cmpd 88653, +MS2(841.4779), 37.0eV, 78.2min, 1/K0=0.985 #39634  
Cmpd 87649, +MS2(841.4789), 37.0eV, 77.8min, 1/K0=0.984 #39416  
Cmpd 85440, +MS2(841.4789), 37.0eV, 76.9min, 1/K0=0.988 #38953  
Cmpd 86596, +MS2(841.4800), 37.0eV, 77.4min, 1/K0=0.982 #39195  
Cmpd 85562, +MS2(841.4798), 37.0eV, 77.0min, 1/K0=0.992 #38975  
Cmpd 86775, +MS2(841.4805), 37.0eV, 77.463-77.465min, 1/K0=1.003  
Cmpd 82956, +MS2(841.4805), 37.0eV, 76.0min, 1/K0=0.990 #38468  
Cmpd 95537, +MS2(841.4810), 37.0eV, 80.910-80.912min, 1/K0=0.986  
Cmpd 93125, +MS2(841.4811), 37.0eV, 79.964-79.966min, 1/K0=0.986  
Cmpd 87462, +MS2(841.4817), 37.0eV, 77.737-77.741min, 1/K0=1.000  
Cmpd 92042, +MS2(841.4817), 37.0eV, 79.541-79.543min, 1/K0=0.989  
Cmpd 109190, +MS2(842.9604), 37.0eV, 85.4min, 1/K0=1.038 #43386  
Cmpd 117593, +MS2(843.4637), 37.0eV, 87.5min, 1/K0=1.050 #44478  
Cmpd 108488, +MS2(850.9393), 42.0eV, 85.198-85.200min, 1/K0=1.05  
Cmpd 72939, +MS2(867.4165), 37.0eV, 72.384-72.388min, 1/K0=0.998  
Cmpd 74288, +MS2(870.9839), 37.0eV, 72.9min, 1/K0=1.018 #36818  
Cmpd 72913, +MS2(870.9856), 37.0eV, 72.4min, 1/K0=1.020 #36555  
Cmpd 72758, +MS2(870.9865), 37.0eV, 72.3min, 1/K0=1.019 #36534  
Cmpd 73149, +MS2(870.9863), 37.0eV, 72.5min, 1/K0=1.020 #36598  
Cmpd 106187, +MS2(899.4610), 37.0eV, 84.6min, 1/K0=1.021 #42989  
Cmpd 105874, +MS2(899.4622), 37.0eV, 84.5min, 1/K0=1.020 #42945  
Cmpd 105743, +MS2(899.4621), 37.0eV, 84.5min, 1/K0=1.022 #42923  
Cmpd 108194, +MS2(924.4693), 42.0eV, 85.122-85.124min, 1/K0=1.11  
Cmpd 108337, +MS2(924.4731), 42.0eV, 85.2min, 1/K0=1.113 #43275  
Cmpd 86925, +MS2(959.4719), 42.0eV, 77.528-77.530min, 1/K0=1.097  
Cmpd 82730, +MS2(959.4734), 42.0eV, 75.9min, 1/K0=1.099 #38423  
Cmpd 75255, +MS2(959.4776), 42.0eV, 73.2min, 1/K0=1.078 #37006  
Cmpd 72520, +MS2(959.4763), 42.0eV, 72.3min, 1/K0=1.111 #36488  
Cmpd 72529, +MS2(959.4739), 42.0eV, 72.254-72.255min, 1/K0=1.129  
Cmpd 87103, +MS2(959.4749), 42.0eV, 77.593-77.594min, 1/K0=1.106  
Cmpd 77857, +MS2(959.4742), 42.0eV, 74.2min, 1/K0=1.107 #37489  
Cmpd 85916, +MS2(959.4762), 42.0eV, 77.131-77.132min, 1/K0=1.113  
Cmpd 84845, +MS2(959.4729), 42.0eV, 76.706-76.709min, 1/K0=1.110  
Cmpd 73035, +MS2(959.4754), 42.0eV, 72.4min, 1/K0=1.119 #36576

	Cmpd 81481, +MS2(959.4749), 42.0eV, 75.4min, 1/K0=1.106 #38171
	Cmpd 88125, +MS2(959.4746), 42.0eV, 78.006-78.010min, 1/K0=1.108
	Cmpd 78934, +MS2(959.4775), 42.0eV, 74.6min, 1/K0=1.111 #37709
	Cmpd 72571, +MS2(959.4769), 42.0eV, 72.3min, 1/K0=1.091 #36499
	Cmpd 72977, +MS2(959.4762), 42.0eV, 72.4min, 1/K0=1.117 #36565
	Cmpd 72682, +MS2(959.4752), 42.0eV, 72.3min, 1/K0=1.133 #36521
	Cmpd 74648, +MS2(959.4754), 42.0eV, 73.0min, 1/K0=1.093 #36885
	Cmpd 80222, +MS2(959.4751), 42.0eV, 75.0min, 1/K0=1.109 #37931
	Cmpd 82593, +MS2(959.4770), 42.0eV, 75.867-75.869min, 1/K0=1.115
	Cmpd 74636, +MS2(959.4760), 42.0eV, 73.0min, 1/K0=1.113 #36884
	Cmpd 73483, +MS2(959.4769), 42.0eV, 72.6min, 1/K0=1.099 #36664
	Cmpd 72457, +MS2(959.4738), 42.0eV, 72.225-72.229min, 1/K0=1.106
	Cmpd 83726, +MS2(959.4727), 42.0eV, 76.294-76.296min, 1/K0=1.110
	Cmpd 73952, +MS2(959.4773), 42.0eV, 72.8min, 1/K0=1.087 #36752
	Cmpd 75749, +MS2(959.4777), 42.0eV, 73.4min, 1/K0=1.112 #37104
	Cmpd 72631, +MS2(959.4765), 42.0eV, 72.3min, 1/K0=1.111 #36511
	Cmpd 82613, +MS2(959.4806), 42.0eV, 75.877-75.881min, 1/K0=1.096
	Cmpd 77024, +MS2(959.4786), 42.0eV, 73.8min, 1/K0=1.122 #37324
	Cmpd 72962, +MS2(959.4796), 37.0eV, 72.394-72.396min, 1/K0=1.038
	Cmpd 75474, +MS2(959.4785), 42.0eV, 73.320-73.322min, 1/K0=1.060
	Cmpd 72986, +MS2(959.4794), 42.0eV, 72.4min, 1/K0=1.082 #36566
	Cmpd 114563, +MS2(1049.5520), 42.0eV, 86.7min, 1/K0=1.211 #44078
	Cmpd 108074, +MS2(1062.0357), 42.0eV, 85.1min, 1/K0=1.177 #43242
	Cmpd 108382, +MS2(708.3587), 37.0eV, 85.2min, 1/K0=0.886 #43279
	Cmpd 108502, +MS2(1062.0366), 42.0eV, 85.2min, 1/K0=1.194 #43297
	Cmpd 108286, +MS2(708.3609), 37.0eV, 85.1min, 1/K0=0.924 #43267
	Cmpd 108249, +MS2(1062.0360), 42.0eV, 85.1min, 1/K0=1.175 #43264
0.000000000000002000.0	Cmpd 97069, +MS2(713.6877), 37.0eV, 81.413-81.415min, 1/K0=0.886
0.000000000000002000.0	Cmpd 96889, +MS2(713.6894), 37.0eV, 81.4min, 1/K0=0.919 #41284
0.000000000000002000.0	Cmpd 96898, +MS2(1070.0330), 42.0eV, 81.4min, 1/K0=1.220 #41285
0.000000000000002000.0	Cmpd 97154, +MS2(713.6895), 37.0eV, 81.4min, 1/K0=0.920 #41329
0.000000000000002000.0	Cmpd 97205, +MS2(1070.0330), 42.0eV, 81.5min, 1/K0=1.219 #41339
0.000000000000002000.0	Cmpd 99740, +MS2(1070.0354), 42.0eV, 82.327-82.330min, 1/K0=1.21
	Cmpd 114473, +MS2(1099.0855), 47.0eV, 86.699-86.705min, 1/K0=1.2
	Cmpd 89539, +MS2(766.7541), 37.0eV, 78.580-78.582min, 1/K0=0.913
	Cmpd 105066, +MS2(794.7752), 37.0eV, 84.3min, 1/K0=1.007 #42804
	Cmpd 106575, +MS2(794.7752), 37.0eV, 84.7min, 1/K0=1.004 #43044
	Cmpd 105187, +MS2(1191.6556), 42.0eV, 84.3min, 1/K0=1.228 #42826
	Cmpd 104971, +MS2(794.7765), 37.0eV, 84.222-84.224min, 1/K0=1.00
	Cmpd 105235, +MS2(794.7769), 37.0eV, 84.3min, 1/K0=1.007 #42835
	Cmpd 89357, +MS2(837.4700), 37.0eV, 78.499-78.501min, 1/K0=0.911
	Cmpd 89454, +MS2(837.4689), 37.0eV, 78.541-78.543min, 1/K0=0.943
	Cmpd 89417, +MS2(837.4710), 37.0eV, 78.524-78.531min, 1/K0=0.973
	Cmpd 114496, +MS2(1320.6875), 47.0eV, 86.703-86.705min, 1/K0=1.4
	Cmpd 117294, +MS2(899.1643), 37.0eV, 87.4min, 1/K0=1.020 #44439
	Cmpd 117400, +MS2(899.1649), 37.0eV, 87.5min, 1/K0=1.019 #44453
0.00000000000000200000000.0	Cmpd 112560, +MS2(904.4927), 37.0eV, 86.2min, 1/K0=1.025 #43820
	Cmpd 109252, +MS2(923.4922), 42.0eV, 85.4min, 1/K0=1.059 #43396

Cmpd 109356, +MS2(923.4921), 42.0eV, 85.4min, 1/K0=1.076 #43408  
Cmpd 109095, +MS2(923.4949), 42.0eV, 85.4min, 1/K0=1.058 #43374  
Cmpd 109051, +MS2(923.4925), 42.0eV, 85.3min, 1/K0=1.057 #43367  
0.0000000000000000000000002000(Cmpd 100058, +MS2(928.8270), 37.0eV, 82.5min, 1/K0=1.054 #41858  
Cmpd 9617, +MS2(413.2290), 31.9eV, 43.7min, 1/K0=0.716 #21374  
Cmpd 9386, +MS2(413.2302), 31.9eV, 43.5min, 1/K0=0.715 #21286  
Cmpd 65684, +MS2(456.7738), 31.9eV, 69.8min, 1/K0=0.748 #35202  
Cmpd 9984, +MS2(462.7639), 31.9eV, 43.955-43.959min, 1/K0=0.732 #  
Cmpd 10679, +MS2(462.7641), 31.9eV, 44.4min, 1/K0=0.754 #21761  
Cmpd 10064, +MS2(462.7641), 31.9eV, 44.0min, 1/K0=0.755 #21539  
Cmpd 9481, +MS2(462.7643), 31.9eV, 43.6min, 1/K0=0.755 #21320  
Cmpd 9363, +MS2(462.7643), 31.9eV, 43.5min, 1/K0=0.755 #21276  
Cmpd 9394, +MS2(462.7643), 31.9eV, 43.522-43.531min, 1/K0=0.733 #  
Cmpd 9280, +MS2(462.7646), 31.9eV, 43.441-43.449min, 1/K0=0.754 #  
Cmpd 24128, +MS2(605.3022), 31.9eV, 52.3min, 1/K0=0.830 #25961  
Cmpd 88819, +MS2(605.8370), 31.9eV, 78.287-78.294min, 1/K0=0.826  
Cmpd 64811, +MS2(605.8383), 31.9eV, 69.488-69.490min, 1/K0=0.828  
Cmpd 65739, +MS2(605.8396), 31.9eV, 69.8min, 1/K0=0.828 #35212  
Cmpd 59359, +MS2(605.8409), 31.9eV, 67.4min, 1/K0=0.835 #33926  
Cmpd 61563, +MS2(605.8410), 31.9eV, 68.2min, 1/K0=0.829 #34366  
Cmpd 60457, +MS2(605.8411), 31.9eV, 67.8min, 1/K0=0.833 #34147  
Cmpd 63647, +MS2(605.8413), 31.9eV, 69.1min, 1/K0=0.834 #34807  
Cmpd 62682, +MS2(605.8422), 31.9eV, 68.640-68.642min, 1/K0=0.831  
Cmpd 98481, +MS2(621.3604), 37.0eV, 81.866-81.868min, 1/K0=0.872  
Cmpd 98553, +MS2(621.3607), 37.0eV, 81.891-81.895min, 1/K0=0.869  
Cmpd 113116, +MS2(621.3616), 31.9eV, 86.4min, 1/K0=0.853 #43891  
Cmpd 106291, +MS2(621.3627), 31.9eV, 84.6min, 1/K0=0.850 #43003  
Cmpd 42825, +MS2(655.3116), 31.9eV, 60.920-60.922min, 1/K0=0.847  
Cmpd 42377, +MS2(655.3118), 37.0eV, 60.7min, 1/K0=0.876 #30405  
Cmpd 43450, +MS2(655.3119), 37.0eV, 61.2min, 1/K0=0.878 #30660  
Cmpd 42513, +MS2(655.3125), 37.0eV, 60.8min, 1/K0=0.875 #30438  
Cmpd 23929, +MS2(662.8170), 37.0eV, 52.2min, 1/K0=0.858 #25908  
Cmpd 24010, +MS2(662.8182), 37.0eV, 52.3min, 1/K0=0.859 #25929  
Cmpd 23896, +MS2(662.8189), 31.9eV, 52.2min, 1/K0=0.855 #25899  
Cmpd 25335, +MS2(662.8197), 37.0eV, 52.9min, 1/K0=0.863 #26283  
Cmpd 24164, +MS2(662.8199), 37.0eV, 52.3min, 1/K0=0.861 #25972  
Cmpd 104930, +MS2(711.8670), 37.0eV, 84.2min, 1/K0=0.943 #42780  
Cmpd 24052, +MS2(719.3576), 31.9eV, 52.281-52.286min, 1/K0=0.795  
Cmpd 26579, +MS2(719.3569), 37.0eV, 53.533-53.539min, 1/K0=0.928  
Cmpd 24044, +MS2(719.3617), 37.0eV, 52.3min, 1/K0=0.935 #25939  
Cmpd 24891, +MS2(719.3639), 37.0eV, 52.7min, 1/K0=0.941 #26159  
Cmpd 122056, +MS2(742.9091), 37.0eV, 88.6min, 1/K0=0.949 #45071  
Cmpd 113126, +MS2(754.9430), 37.0eV, 86.4min, 1/K0=0.957 #43892  
Cmpd 113026, +MS2(754.9436), 37.0eV, 86.3min, 1/K0=0.957 #43880  
Cmpd 104853, +MS2(768.4089), 37.0eV, 84.180-84.182min, 1/K0=1.00  
Cmpd 105047, +MS2(768.4096), 37.0eV, 84.2min, 1/K0=0.999 #42802  
Cmpd 122454, +MS2(797.9262), 37.0eV, 88.759-88.761min, 1/K0=0.98  
Cmpd 105059, +MS2(832.9311), 37.0eV, 84.3min, 1/K0=1.043 #42803

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Cmpd 104760, +MS2(832.9314), 37.0eV, 84.1min, 1/K0=1.043 #42748  
Cmpd 89761, +MS2(848.9399), 37.0eV, 78.7min, 1/K0=0.996 #39876  
Cmpd 88611, +MS2(848.9423), 37.0eV, 78.2min, 1/K0=0.996 #39624  
Cmpd 90939, +MS2(848.9425), 37.0eV, 79.1min, 1/K0=0.997 #40096  
Cmpd 65517, +MS2(848.9427), 37.0eV, 69.754-69.756min, 1/K0=0.993  
Cmpd 88758, +MS2(848.9432), 37.0eV, 78.3min, 1/K0=0.997 #39656  
Cmpd 93139, +MS2(848.9441), 37.0eV, 79.973-79.975min, 1/K0=0.990  
Cmpd 91992, +MS2(848.9469), 37.0eV, 79.5min, 1/K0=0.994 #40316  
Cmpd 123670, +MS2(854.4705), 37.0eV, 89.2min, 1/K0=1.013 #45333  
Cmpd 122404, +MS2(854.4730), 37.0eV, 88.7min, 1/K0=1.017 #45123  
Cmpd 121933, +MS2(862.4706), 37.0eV, 88.6min, 1/K0=1.017 #45057  
Cmpd 121861, +MS2(862.4710), 37.0eV, 88.6min, 1/K0=1.015 #45047  
Cmpd 105045, +MS2(889.4747), 42.0eV, 84.2min, 1/K0=1.109 #42802  
Cmpd 111163, +MS2(907.0135), 42.0eV, 85.9min, 1/K0=1.114 #43639  
Cmpd 105835, +MS2(907.0139), 42.0eV, 84.506-84.508min, 1/K0=1.11  
Cmpd 106303, +MS2(917.9819), 42.0eV, 84.640-84.641min, 1/K0=1.13  
Cmpd 104696, +MS2(917.9859), 42.0eV, 84.1min, 1/K0=1.130 #42738  
Cmpd 104927, +MS2(917.9860), 42.0eV, 84.2min, 1/K0=1.130 #42780  
Cmpd 65956, +MS2(948.5046), 42.0eV, 69.9min, 1/K0=1.070 #35245  
Cmpd 65971, +MS2(948.5061), 42.0eV, 69.9min, 1/K0=1.104 #35246  
Cmpd 66964, +MS2(948.5078), 42.0eV, 70.246-70.248min, 1/K0=1.059  
Cmpd 67143, +MS2(948.5092), 42.0eV, 70.3min, 1/K0=1.073 #35465  
Cmpd 65350, +MS2(948.5092), 42.0eV, 69.7min, 1/K0=1.092 #35146  
Cmpd 66835, +MS2(948.5098), 42.0eV, 70.206-70.213min, 1/K0=1.087  
Cmpd 65469, +MS2(948.5103), 42.0eV, 69.7min, 1/K0=1.086 #35168  
Cmpd 123363, +MS2(965.0045), 42.0eV, 89.047-89.048min, 1/K0=1.08  
Cmpd 122053, +MS2(965.0071), 42.0eV, 88.6min, 1/K0=1.088 #45071  
Cmpd 105044, +MS2(968.5090), 42.0eV, 84.2min, 1/K0=1.167 #42802  
Cmpd 122132, +MS2(659.7065), 31.9eV, 88.665-88.667min, 1/K0=0.80  
Cmpd 105420, +MS2(683.7016), 37.0eV, 84.4min, 1/K0=0.900 #42868  
Cmpd 104536, +MS2(683.6988), 37.0eV, 84.1min, 1/K0=0.877 #42707  
Cmpd 104751, +MS2(683.6990), 31.9eV, 84.1min, 1/K0=0.848 #42747  
Cmpd 104632, +MS2(683.6999), 37.0eV, 84.1min, 1/K0=0.880 #42726  
Cmpd 104813, +MS2(683.7025), 37.0eV, 84.2min, 1/K0=0.879 #42758  
Cmpd 104508, +MS2(1025.0514), 42.0eV, 84.062-84.065min, 1/K0=1.2  
Cmpd 104616, +MS2(1025.0484), 42.0eV, 84.1min, 1/K0=1.218 #42725  
Cmpd 104745, +MS2(1025.0511), 42.0eV, 84.1min, 1/K0=1.220 #42747  
Cmpd 104962, +MS2(1025.0506), 42.0eV, 84.218-84.220min, 1/K0=1.1  
Cmpd 107544, +MS2(1025.0519), 42.0eV, 85.0min, 1/K0=1.222 #43176  
Cmpd 106027, +MS2(1025.0530), 42.0eV, 84.6min, 1/K0=1.222 #42967  
Cmpd 111292, +MS2(694.0612), 37.0eV, 85.9min, 1/K0=0.871 #43656  
Cmpd 111148, +MS2(1040.5905), 42.0eV, 85.9min, 1/K0=1.199 #43638  
Cmpd 78651, +MS2(700.3574), 31.9eV, 74.458-74.460min, 1/K0=0.817  
Cmpd 78821, +MS2(700.3590), 31.9eV, 74.5min, 1/K0=0.819 #37688  
Cmpd 67110, +MS2(722.3990), 31.9eV, 70.3min, 1/K0=0.829 #35457  
Cmpd 105075, +MS2(746.0954), 37.0eV, 84.3min, 1/K0=0.926 #42805  
Cmpd 81340, +MS2(772.3819), 31.9eV, 75.400-75.402min, 1/K0=0.849  
Cmpd 78469, +MS2(772.3850), 31.9eV, 74.382-74.386min, 1/K0=0.847

Cmpd 78624, +MS2(772.3846), 31.9eV, 74.4min, 1/K0=0.847 #37643  
Cmpd 78632, +MS2(772.3850), 31.9eV, 74.448-74.450min, 1/K0=0.835  
Cmpd 78767, +MS2(772.3850), 37.0eV, 74.5min, 1/K0=0.859 #37676  
Cmpd 78994, +MS2(772.3856), 31.9eV, 74.6min, 1/K0=0.839 #37720  
Cmpd 78875, +MS2(772.3851), 31.9eV, 74.5min, 1/K0=0.848 #37698  
Cmpd 105074, +MS2(883.1389), 37.0eV, 84.3min, 1/K0=1.015 #42805  
Cmpd 110668, +MS2(925.8265), 42.0eV, 85.7min, 1/K0=1.085 #43572  
Cmpd 110539, +MS2(925.8270), 42.0eV, 85.707-85.709min, 1/K0=1.08  
Cmpd 113058, +MS2(949.5036), 42.0eV, 86.3min, 1/K0=1.112 #43883  
Cmpd 122571, +MS2(1172.3010), 47.0eV, 88.8min, 1/K0=1.291 #45145  
Cmpd 122481, +MS2(1172.3006), 47.0eV, 88.8min, 1/K0=1.291 #45134  
Cmpd 122570, +MS2(1320.3634), 47.0eV, 88.8min, 1/K0=1.376 #45145  
Cmpd 122494, +MS2(1320.3596), 47.0eV, 88.8min, 1/K0=1.376 #45135  
Cmpd 65684, +MS2(456.7738), 31.9eV, 69.8min, 1/K0=0.748 #35202  
Cmpd 118671, +MS2(500.2968), 31.9eV, 87.767-87.768min, 1/K0=0.77  
Cmpd 118710, +MS2(500.2979), 31.9eV, 87.774-87.784min, 1/K0=0.78  
Cmpd 122232, +MS2(556.8396), 31.9eV, 88.69-88.70min, 1/K0=0.838 #44397  
Cmpd 122321, +MS2(556.8397), 31.9eV, 88.722-88.724min, 1/K0=0.83  
Cmpd 118605, +MS2(556.8401), 31.9eV, 87.7min, 1/K0=0.839 #44606  
Cmpd 120099, +MS2(556.8403), 31.9eV, 88.172-88.176min, 1/K0=0.83  
Cmpd 116995, +MS2(556.8405), 31.9eV, 87.3min, 1/K0=0.843 #44397  
Cmpd 116935, +MS2(556.8406), 31.9eV, 87.3min, 1/K0=0.842 #44388  
Cmpd 122440, +MS2(556.8406), 31.9eV, 88.75-88.77min, 1/K0=0.838 #44397  
Cmpd 113328, +MS2(601.3035), 37.0eV, 86.405-86.407min, 1/K0=0.86  
Cmpd 16238, +MS2(677.8223), 37.0eV, 47.972-47.974min, 1/K0=0.874  
Cmpd 16929, +MS2(677.8225), 37.0eV, 48.4min, 1/K0=0.868 #23872  
Cmpd 16196, +MS2(677.8232), 31.9eV, 47.949-47.951min, 1/K0=0.855  
Cmpd 113307, +MS2(682.8362), 37.0eV, 86.4min, 1/K0=0.906 #43914  
Cmpd 72491, +MS2(742.4068), 37.0eV, 72.237-72.238min, 1/K0=0.997  
Cmpd 6861, +MS2(755.8747), 37.0eV, 41.8min, 1/K0=0.929 #20362  
Cmpd 91845, +MS2(782.3881), 37.0eV, 79.5min, 1/K0=0.947 #40284  
Cmpd 72400, +MS2(806.9295), 37.0eV, 72.201-72.204min, 1/K0=1.032  
Cmpd 72364, +MS2(806.9304), 37.0eV, 72.2min, 1/K0=1.034 #36454  
Cmpd 113274, +MS2(813.8874), 37.0eV, 86.396-86.398min, 1/K0=1.00  
Cmpd 64935, +MS2(828.4226), 42.0eV, 69.5min, 1/K0=1.081 #35060  
Cmpd 65252, +MS2(828.4234), 42.0eV, 69.7min, 1/K0=1.085 #35126  
Cmpd 66640, +MS2(828.4247), 42.0eV, 70.14-70.16min, 1/K0=1.059 #35126  
Cmpd 64808, +MS2(828.4247), 37.0eV, 69.487-69.488min, 1/K0=1.050  
Cmpd 64836, +MS2(828.4254), 37.0eV, 69.494-69.496min, 1/K0=0.971  
Cmpd 64826, +MS2(828.4256), 37.0eV, 69.5min, 1/K0=0.987 #35036  
Cmpd 65116, +MS2(828.4257), 37.0eV, 69.6min, 1/K0=0.977 #35102  
Cmpd 64928, +MS2(828.4258), 37.0eV, 69.5min, 1/K0=1.050 #35059  
Cmpd 64658, +MS2(828.4259), 37.0eV, 69.430-69.432min, 1/K0=0.980  
Cmpd 65243, +MS2(828.4269), 37.0eV, 69.7min, 1/K0=1.051 #35125  
Cmpd 65019, +MS2(828.4280), 37.0eV, 69.6min, 1/K0=0.988 #35080  
Cmpd 65504, +MS2(828.4294), 37.0eV, 69.7min, 1/K0=1.016 #35171  
Cmpd 43718, +MS2(836.4231), 37.0eV, 61.3min, 1/K0=0.987 #30713  
Cmpd 43717, +MS2(836.4204), 37.0eV, 61.3min, 1/K0=1.050 #30713

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0.0000000000002000.0	Cmpd 64882, +MS2(836.4187), 37.0eV, 69.517-69.521min, 1/K0=0.975
0.0000000000002000.0	Cmpd 43735, +MS2(836.4204), 42.0eV, 61.306-61.308min, 1/K0=1.071
0.0000000000002000.0	Cmpd 47970, +MS2(836.4211), 37.0eV, 62.9min, 1/K0=1.050 #31575
0.0000000000002000.0	Cmpd 44987, +MS2(836.4222), 37.0eV, 61.7min, 1/K0=0.986 #30933
0.0000000000002000.0	Cmpd 43576, +MS2(836.4213), 37.0eV, 61.251-61.259min, 1/K0=1.049
0.0000000000002000.0	Cmpd 65300, +MS2(836.4225), 37.0eV, 69.7min, 1/K0=0.975 #35135
0.0000000000002000.0	Cmpd 45001, +MS2(836.4228), 37.0eV, 61.7min, 1/K0=1.054 #30935
	Cmpd 51847, +MS2(848.4047), 37.0eV, 64.5min, 1/K0=0.991 #32419
	Cmpd 72335, +MS2(863.4690), 42.0eV, 72.172-72.174min, 1/K0=1.093
	Cmpd 72399, +MS2(863.4707), 42.0eV, 72.201-72.204min, 1/K0=1.093
	Cmpd 113289, +MS2(870.4285), 37.0eV, 86.4min, 1/K0=1.038 #43913
	Cmpd 113113, +MS2(870.4296), 37.0eV, 86.36-86.37min, 1/K0=1.043 #43913
	Cmpd 81567, +MS2(892.4239), 37.0eV, 75.476-75.486min, 1/K0=1.014
	Cmpd 91616, +MS2(903.4478), 37.0eV, 79.4min, 1/K0=1.022 #40239
	Cmpd 91262, +MS2(903.4494), 37.0eV, 79.2min, 1/K0=1.016 #40164
	Cmpd 91228, +MS2(903.4493), 37.0eV, 79.213-79.216min, 1/K0=1.024
	Cmpd 93739, +MS2(903.4499), 37.0eV, 80.2min, 1/K0=1.009 #40680
	Cmpd 100351, +MS2(903.4502), 37.0eV, 82.578-82.579min, 1/K0=1.01
	Cmpd 91466, +MS2(903.4501), 37.0eV, 79.3min, 1/K0=1.031 #40206
	Cmpd 99330, +MS2(903.4510), 37.0eV, 82.171-82.173min, 1/K0=1.015
	Cmpd 92693, +MS2(903.4512), 37.0eV, 79.8min, 1/K0=1.018 #40459
	Cmpd 95944, +MS2(903.4514), 37.0eV, 81.0min, 1/K0=1.013 #41122
	Cmpd 94619, +MS2(903.4526), 37.0eV, 80.574-80.576min, 1/K0=0.999
	Cmpd 91417, +MS2(903.4524), 37.0eV, 79.3min, 1/K0=1.015 #40195
	Cmpd 94855, +MS2(903.4525), 37.0eV, 80.7min, 1/K0=0.997 #40922
	Cmpd 97433, +MS2(903.4527), 37.0eV, 81.539-81.541min, 1/K0=1.006
	Cmpd 93203, +MS2(903.4529), 37.0eV, 80.0min, 1/K0=0.995 #40570
	Cmpd 93152, +MS2(903.4535), 37.0eV, 80.0min, 1/K0=0.993 #40558
	Cmpd 92790, +MS2(903.4536), 37.0eV, 79.825-79.827min, 1/K0=1.038
	Cmpd 92579, +MS2(903.4537), 37.0eV, 79.8min, 1/K0=1.027 #40438
	Cmpd 72297, +MS2(642.3463), 37.0eV, 72.2min, 1/K0=0.878 #36436
	Cmpd 72045, +MS2(963.0141), 42.0eV, 72.048-72.054min, 1/K0=1.170
	Cmpd 73443, +MS2(642.3454), 37.0eV, 72.6min, 1/K0=0.900 #36654
	Cmpd 72538, +MS2(642.3461), 37.0eV, 72.3min, 1/K0=0.869 #36490
	Cmpd 73482, +MS2(963.0156), 42.0eV, 72.6min, 1/K0=1.172 #36664
	Cmpd 74635, +MS2(963.0191), 42.0eV, 73.003-73.009min, 1/K0=1.169
	Cmpd 72277, +MS2(642.3469), 37.0eV, 72.1min, 1/K0=0.906 #36433
	Cmpd 72090, +MS2(642.3472), 37.0eV, 72.1min, 1/K0=0.904 #36390
	Cmpd 72323, +MS2(963.0171), 42.0eV, 72.2min, 1/K0=1.169 #36444
	Cmpd 72127, +MS2(963.0169), 42.0eV, 72.1min, 1/K0=1.172 #36400
0.000000000000200000.0	Cmpd 72374, +MS2(647.6782), 37.0eV, 72.2min, 1/K0=0.910 #36455
0.000000000000200000.0	Cmpd 45752, +MS2(647.6785), 37.0eV, 62.1min, 1/K0=0.909 #31112
	Cmpd 80993, +MS2(973.9545), 42.0eV, 75.277-75.279min, 1/K0=1.072
	Cmpd 81299, +MS2(973.9561), 42.0eV, 75.4min, 1/K0=1.074 #38138
	Cmpd 81425, +MS2(973.9559), 37.0eV, 75.4min, 1/K0=1.053 #38161
	Cmpd 84669, +MS2(973.9559), 42.0eV, 76.6min, 1/K0=1.069 #38798
	Cmpd 81012, +MS2(973.9524), 42.0eV, 75.3min, 1/K0=1.072 #38084
	Cmpd 81116, +MS2(973.9564), 42.0eV, 75.3min, 1/K0=1.073 #38105



Cmpd 83532, +MS2(973.9576), 42.0eV, 76.2min, 1/K0=1.075 #38578  
Cmpd 82441, +MS2(973.9575), 42.0eV, 75.8min, 1/K0=1.074 #38358  
Cmpd 82599, +MS2(973.9581), 42.0eV, 75.9min, 1/K0=1.056 #38393  
Cmpd 113095, +MS2(1156.5574), 42.0eV, 86.4min, 1/K0=1.177 #43890  
Cmpd 113287, +MS2(1156.5596), 42.0eV, 86.4min, 1/K0=1.181 #43913  
Cmpd 113133, +MS2(1156.5609), 42.0eV, 86.4min, 1/K0=1.180 #43893  
Cmpd 113057, +MS2(1158.1181), 42.0eV, 86.341-86.349min, 1/K0=1.1  
Cmpd 106655, +MS2(881.7981), 37.0eV, 84.7min, 1/K0=1.035 #43055  
Cmpd 106787, +MS2(881.7978), 37.0eV, 84.771-84.773min, 1/K0=1.02  
Cmpd 106529, +MS2(881.7994), 37.0eV, 84.7min, 1/K0=1.035 #43037  
Cmpd 116933, +MS2(1019.4970), 37.0eV, 87.328-87.330min, 1/K0=0.9  
Cmpd 88552, +MS2(1090.5207), 42.0eV, 78.184-78.186min, 1/K0=1.15  
Cmpd 88457, +MS2(1090.5215), 37.0eV, 78.1min, 1/K0=0.973 #39590  
Cmpd 88736, +MS2(1090.5236), 42.0eV, 78.257-78.258min, 1/K0=1.13  
Cmpd 92387, +MS2(491.8151), 31.9eV, 79.670-79.674min, 1/K0=0.795  
Cmpd 93613, +MS2(549.3290), 31.9eV, 80.159-80.161min, 1/K0=0.825  
Cmpd 92229, +MS2(549.3294), 31.9eV, 79.6min, 1/K0=0.828 #40366  
Cmpd 92484, +MS2(549.3296), 31.9eV, 79.7min, 1/K0=0.830 #40416  
Cmpd 14412, +MS2(562.7969), 31.9eV, 46.8min, 1/K0=0.784 #23036  
Cmpd 13262, +MS2(562.7981), 31.9eV, 46.1min, 1/K0=0.782 #22672  
Cmpd 17038, +MS2(562.7982), 31.9eV, 48.467-48.469min, 1/K0=0.783  
Cmpd 13739, +MS2(562.7983), 31.9eV, 46.4min, 1/K0=0.799 #22815  
Cmpd 13079, +MS2(562.7989), 31.9eV, 46.0min, 1/K0=0.781 #22617  
Cmpd 43267, +MS2(596.8177), 37.0eV, 61.121-61.123min, 1/K0=0.869  
Cmpd 43444, +MS2(596.8177), 37.0eV, 61.2min, 1/K0=0.874 #30659  
Cmpd 57488, +MS2(605.7901), 31.9eV, 66.696-66.697min, 1/K0=0.821  
Cmpd 57765, +MS2(605.7905), 31.9eV, 66.790-66.792min, 1/K0=0.804  
Cmpd 93376, +MS2(613.3599), 37.0eV, 80.1min, 1/K0=0.871 #40604  
Cmpd 92169, +MS2(613.3601), 37.0eV, 79.6min, 1/K0=0.875 #40352  
Cmpd 92308, +MS2(613.3602), 37.0eV, 79.6min, 1/K0=0.875 #40382  
Cmpd 113230, +MS2(643.3082), 37.0eV, 86.4min, 1/K0=0.859 #43904  
Cmpd 50660, +MS2(659.3431), 37.0eV, 64.033-64.035min, 1/K0=0.872  
Cmpd 58694, +MS2(662.3338), 37.0eV, 67.1min, 1/K0=0.883 #33793  
Cmpd 59803, +MS2(662.3350), 37.0eV, 67.6min, 1/K0=0.890 #34013  
Cmpd 43565, +MS2(670.3534), 37.0eV, 61.2min, 1/K0=0.909 #30683  
Cmpd 113151, +MS2(686.8257), 37.0eV, 86.4min, 1/K0=0.895 #43894  
Cmpd 92207, +MS2(686.8947), 37.0eV, 79.6min, 1/K0=0.933 #40361  
Cmpd 92475, +MS2(686.8962), 37.0eV, 79.7min, 1/K0=0.934 #40415  
Cmpd 57268, +MS2(712.8568), 37.0eV, 66.6min, 1/K0=0.907 #33531  
Cmpd 58434, +MS2(712.8592), 37.0eV, 67.1min, 1/K0=0.905 #33751  
Cmpd 60662, +MS2(712.8609), 37.0eV, 67.9min, 1/K0=0.913 #34189  
Cmpd 59568, +MS2(712.8627), 37.0eV, 67.5min, 1/K0=0.910 #33969  
Cmpd 49451, +MS2(755.3644), 37.0eV, 63.6min, 1/K0=0.936 #31901  
Cmpd 57439, +MS2(756.3722), 37.0eV, 66.7min, 1/K0=0.939 #33551  
Cmpd 57588, +MS2(756.3739), 37.0eV, 66.7min, 1/K0=0.913 #33575  
Cmpd 57526, +MS2(756.3759), 37.0eV, 66.705-66.707min, 1/K0=0.899  
Cmpd 59399, +MS2(756.3760), 37.0eV, 67.4min, 1/K0=0.959 #33936  
Cmpd 113433, +MS2(771.8822), 37.0eV, 86.435-86.437min, 1/K0=0.97

Cmpd 43135, +MS2(784.8884), 37.0eV, 61.066-61.070min, 1/K0=0.991  
Cmpd 43153, +MS2(784.8870), 37.0eV, 61.074-61.077min, 1/K0=0.992  
Cmpd 43299, +MS2(784.8871), 37.0eV, 61.1min, 1/K0=0.994 #30625  
Cmpd 44890, +MS2(784.8894), 37.0eV, 61.7min, 1/K0=0.995 #30912  
Cmpd 43536, +MS2(784.8896), 37.0eV, 61.2min, 1/K0=0.996 #30680  
Cmpd 49741, +MS2(811.9074), 37.0eV, 63.669-63.671min, 1/K0=0.962  
Cmpd 58693, +MS2(812.9173), 37.0eV, 67.1min, 1/K0=0.960 #33793  
Cmpd 59802, +MS2(812.9177), 37.0eV, 67.6min, 1/K0=0.960 #34013  
Cmpd 57570, +MS2(812.9178), 37.0eV, 66.7min, 1/K0=0.957 #33573  
Cmpd 58360, +MS2(812.9182), 37.0eV, 67.0min, 1/K0=0.993 #33740  
Cmpd 57103, +MS2(812.9187), 37.0eV, 66.605-66.614min, 1/K0=0.961  
Cmpd 57174, +MS2(812.9190), 37.0eV, 66.6min, 1/K0=0.963 #33521  
Cmpd 60631, +MS2(812.9193), 37.0eV, 67.9min, 1/K0=0.996 #34182  
Cmpd 59515, +MS2(812.9202), 37.0eV, 67.5min, 1/K0=0.998 #33959  
Cmpd 57188, +MS2(812.9203), 37.0eV, 66.6min, 1/K0=0.999 #33524  
Cmpd 92305, +MS2(832.9499), 37.0eV, 79.6min, 1/K0=1.034 #40382  
Cmpd 92145, +MS2(832.9502), 37.0eV, 79.6min, 1/K0=1.035 #40349  
Cmpd 93358, +MS2(832.9503), 37.0eV, 80.1min, 1/K0=1.045 #40602  
Cmpd 92051, +MS2(832.9504), 37.0eV, 79.5min, 1/K0=1.037 #40328  
Cmpd 95522, +MS2(832.9519), 37.0eV, 80.902-80.910min, 1/K0=1.036  
Cmpd 94404, +MS2(832.9526), 37.0eV, 80.5min, 1/K0=1.042 #40823  
Cmpd 43385, +MS2(841.4285), 37.0eV, 61.2min, 1/K0=1.027 #30647  
Cmpd 50161, +MS2(572.6332), 31.9eV, 63.8min, 1/K0=0.750 #32056  
Cmpd 49004, +MS2(868.4405), 37.0eV, 63.365-63.368min, 1/K0=0.995  
Cmpd 49633, +MS2(868.4453), 37.0eV, 63.626-63.628min, 1/K0=0.880  
Cmpd 49107, +MS2(868.4453), 37.0eV, 63.4min, 1/K0=0.994 #31825  
Cmpd 49337, +MS2(868.4453), 37.0eV, 63.5min, 1/K0=0.995 #31879  
Cmpd 49442, +MS2(868.4456), 31.9eV, 63.548-63.550min, 1/K0=0.844  
Cmpd 58530, +MS2(868.4427), 37.0eV, 67.084-67.087min, 1/K0=0.990  
Cmpd 65205, +MS2(868.4458), 37.0eV, 69.646-69.651min, 1/K0=0.993  
Cmpd 49511, +MS2(868.4457), 37.0eV, 63.6min, 1/K0=0.979 #31913  
Cmpd 59630, +MS2(868.4460), 37.0eV, 67.5min, 1/K0=0.994 #33982  
Cmpd 63917, +MS2(868.4459), 37.0eV, 69.2min, 1/K0=0.995 #34862  
Cmpd 50359, +MS2(868.4460), 37.0eV, 63.9min, 1/K0=0.998 #32099  
Cmpd 51421, +MS2(868.4460), 37.0eV, 64.3min, 1/K0=0.996 #32319  
Cmpd 49193, +MS2(868.4461), 37.0eV, 63.4min, 1/K0=0.994 #31846  
Cmpd 49418, +MS2(868.4462), 31.9eV, 63.535-63.537min, 1/K0=0.792  
Cmpd 54186, +MS2(868.4463), 37.0eV, 65.4min, 1/K0=0.996 #32891  
Cmpd 49296, +MS2(868.4463), 37.0eV, 63.5min, 1/K0=1.018 #31869  
Cmpd 60735, +MS2(868.4488), 37.0eV, 67.9min, 1/K0=0.992 #34201  
Cmpd 49502, +MS2(868.4463), 37.0eV, 63.6min, 1/K0=1.027 #31912  
Cmpd 52868, +MS2(868.4464), 37.0eV, 64.9min, 1/K0=0.999 #32616  
Cmpd 49807, +MS2(868.4465), 31.9eV, 63.694-63.696min, 1/K0=0.852  
Cmpd 49427, +MS2(868.4467), 37.0eV, 63.539-63.543min, 1/K0=0.874  
Cmpd 61866, +MS2(868.4468), 37.0eV, 68.3min, 1/K0=0.999 #34423  
Cmpd 49512, +MS2(868.4486), 37.0eV, 63.575-63.581min, 1/K0=0.917  
Cmpd 53140, +MS2(868.4468), 37.0eV, 65.0min, 1/K0=0.998 #32671  
Cmpd 56261, +MS2(868.4470), 37.0eV, 66.3min, 1/K0=0.990 #33331

Cmpd 62915, +MS2(868.4468), 37.0eV, 68.7min, 1/K0=1.001 #34641  
Cmpd 50420, +MS2(868.4470), 37.0eV, 63.9min, 1/K0=1.011 #32110  
Cmpd 49625, +MS2(868.4478), 37.0eV, 63.620-63.622min, 1/K0=0.894  
Cmpd 55308, +MS2(868.4478), 37.0eV, 65.9min, 1/K0=0.992 #33113  
Cmpd 71513, +MS2(868.4601), 37.0eV, 71.843-71.845min, 1/K0=0.996  
Cmpd 49724, +MS2(868.4502), 37.0eV, 63.7min, 1/K0=0.932 #31958  
Cmpd 43259, +MS2(594.9696), 31.9eV, 61.1min, 1/K0=0.762 #30615  
Cmpd 43926, +MS2(891.9527), 37.0eV, 61.373-61.376min, 1/K0=1.018  
Cmpd 43298, +MS2(891.9530), 37.0eV, 61.136-61.138min, 1/K0=1.046  
Cmpd 43548, +MS2(891.9533), 37.0eV, 61.2min, 1/K0=1.023 #30681  
Cmpd 43535, +MS2(891.9544), 37.0eV, 61.2min, 1/K0=1.048 #30680  
Cmpd 51228, +MS2(610.3275), 31.9eV, 64.3min, 1/K0=0.767 #32275  
Cmpd 49878, +MS2(610.3275), 31.9eV, 63.720-63.722min, 1/K0=0.768  
Cmpd 49970, +MS2(610.3272), 31.9eV, 63.8min, 1/K0=0.766 #32011  
Cmpd 50154, +MS2(610.3278), 31.9eV, 63.8min, 1/K0=0.767 #32055  
Cmpd 50017, +MS2(914.9917), 42.0eV, 63.8min, 1/K0=1.074 #32023  
Cmpd 50197, +MS2(914.9947), 42.0eV, 63.9min, 1/K0=1.072 #32066  
Cmpd 43389, +MS2(623.9816), 31.9eV, 61.2min, 1/K0=0.767 #30647  
Cmpd 43162, +MS2(661.6774), 31.9eV, 61.1min, 1/K0=0.790 #30593  
Cmpd 43346, +MS2(661.6772), 31.9eV, 61.2min, 1/K0=0.793 #30636  
Cmpd 74149, +MS2(599.3098), 31.9eV, 72.8min, 1/K0=0.830 #36788  
Cmpd 62807, +MS2(613.3486), 37.0eV, 68.700-68.702min, 1/K0=0.873  
Cmpd 63081, +MS2(613.3494), 37.0eV, 68.8min, 1/K0=0.859 #34685  
Cmpd 62999, +MS2(613.3497), 37.0eV, 68.8min, 1/K0=0.874 #34662  
Cmpd 83107, +MS2(629.8243), 37.0eV, 76.066-76.068min, 1/K0=0.899  
Cmpd 83243, +MS2(629.8259), 37.0eV, 76.1min, 1/K0=0.903 #38523  
Cmpd 64092, +MS2(669.8886), 37.0eV, 69.2min, 1/K0=0.920 #34904  
Cmpd 62834, +MS2(669.8904), 37.0eV, 68.708-68.712min, 1/K0=0.880  
Cmpd 62859, +MS2(669.8927), 37.0eV, 68.7min, 1/K0=0.920 #34629  
Cmpd 63005, +MS2(669.8929), 37.0eV, 68.8min, 1/K0=0.878 #34663  
Cmpd 62778, +MS2(669.8933), 37.0eV, 68.69-68.70min, 1/K0=0.920 #34664  
Cmpd 63074, +MS2(669.8935), 37.0eV, 68.8min, 1/K0=0.919 #34684  
Cmpd 39029, +MS2(673.8423), 37.0eV, 59.3min, 1/K0=0.861 #29671  
Cmpd 107913, +MS2(681.3693), 37.0eV, 85.1min, 1/K0=0.906 #43222  
Cmpd 62983, +MS2(720.4165), 37.0eV, 68.778-68.782min, 1/K0=0.970  
Cmpd 39340, +MS2(730.3803), 31.9eV, 59.466-59.468min, 1/K0=0.750  
Cmpd 54090, +MS2(730.3828), 37.0eV, 65.395-65.398min, 1/K0=0.926  
Cmpd 39003, +MS2(730.3826), 37.0eV, 59.3min, 1/K0=0.941 #29668  
Cmpd 39750, +MS2(730.3831), 37.0eV, 59.7min, 1/K0=0.913 #29844  
Cmpd 38930, +MS2(730.3832), 31.9eV, 59.3min, 1/K0=0.824 #29648  
Cmpd 42512, +MS2(730.3832), 37.0eV, 60.783-60.790min, 1/K0=0.927  
Cmpd 38707, +MS2(730.3832), 37.0eV, 59.2min, 1/K0=0.916 #29592  
Cmpd 38915, +MS2(730.3835), 37.0eV, 59.3min, 1/K0=0.899 #29646  
Cmpd 38671, +MS2(730.3834), 37.0eV, 59.167-59.177min, 1/K0=0.931  
Cmpd 42799, +MS2(730.3836), 37.0eV, 60.9min, 1/K0=0.915 #30504  
Cmpd 41815, +MS2(730.3835), 37.0eV, 60.5min, 1/K0=0.915 #30284  
Cmpd 38606, +MS2(730.3837), 37.0eV, 59.1min, 1/K0=0.918 #29570  
Cmpd 38832, +MS2(730.3838), 37.0eV, 59.2min, 1/K0=0.915 #29624

Cmpd 46384, +MS2(730.3839), 37.0eV, 62.3min, 1/K0=0.909 #31263  
Cmpd 40799, +MS2(730.3841), 37.0eV, 60.1min, 1/K0=0.921 #30064  
Cmpd 45483, +MS2(730.3843), 37.0eV, 61.9min, 1/K0=0.912 #31045  
Cmpd 38743, +MS2(730.3849), 37.0eV, 59.2min, 1/K0=0.930 #29602  
Cmpd 39961, +MS2(730.3845), 37.0eV, 59.7min, 1/K0=0.874 #29889  
Cmpd 51208, +MS2(730.3846), 37.0eV, 64.252-64.254min, 1/K0=0.911  
Cmpd 41345, +MS2(730.3846), 37.0eV, 60.3min, 1/K0=0.928 #30185  
Cmpd 38891, +MS2(730.3853), 31.9eV, 59.267-59.269min, 1/K0=0.808  
Cmpd 39948, +MS2(730.3850), 37.0eV, 59.7min, 1/K0=0.935 #29888  
Cmpd 49316, +MS2(730.3853), 37.0eV, 63.501-63.503min, 1/K0=0.911  
Cmpd 39718, +MS2(730.3847), 37.0eV, 59.6min, 1/K0=0.875 #29836  
Cmpd 39401, +MS2(730.3855), 31.9eV, 59.5min, 1/K0=0.844 #29757  
Cmpd 43796, +MS2(730.3819), 37.0eV, 61.3min, 1/K0=0.913 #30725  
Cmpd 50343, +MS2(730.3859), 37.0eV, 63.921-63.923min, 1/K0=0.907  
Cmpd 45435, +MS2(730.3626), 37.0eV, 61.9min, 1/K0=0.912 #31033  
Cmpd 79241, +MS2(730.8459), 37.0eV, 74.7min, 1/K0=0.922 #37765  
Cmpd 83256, +MS2(736.8750), 37.0eV, 76.1min, 1/K0=0.965 #38524  
Cmpd 62821, +MS2(755.9323), 37.0eV, 68.7min, 1/K0=0.980 #34620  
Cmpd 62721, +MS2(755.9333), 37.0eV, 68.7min, 1/K0=0.978 #34597  
Cmpd 63955, +MS2(755.9340), 37.0eV, 69.2min, 1/K0=0.967 #34871  
Cmpd 63231, +MS2(755.9342), 37.0eV, 68.9min, 1/K0=0.932 #34717  
Cmpd 62952, +MS2(755.9350), 37.0eV, 68.8min, 1/K0=0.977 #34651  
Cmpd 107940, +MS2(766.4238), 37.0eV, 85.064-85.070min, 1/K0=0.99  
1.000000000000000.0 Cmpd 102636, +MS2(776.9367), 37.0eV, 83.4min, 1/K0=0.959 #42363  
1.000000000000000.0 Cmpd 102585, +MS2(776.9384), 37.0eV, 83.4min, 1/K0=0.980 #42355  
1.000000000000000.0 Cmpd 104174, +MS2(776.9381), 37.0eV, 83.9min, 1/K0=0.964 #42638  
1.000000000000000.0 Cmpd 102923, +MS2(776.9395), 37.0eV, 83.5min, 1/K0=0.961 #42417  
1.000000000000000.0 Cmpd 102812, +MS2(776.9397), 37.0eV, 83.5min, 1/K0=0.980 #42395  
Cmpd 16075, +MS2(547.9473), 31.9eV, 47.9min, 1/K0=0.765 #23607  
Cmpd 15923, +MS2(547.9482), 31.9eV, 47.8min, 1/K0=0.762 #23563  
Cmpd 15953, +MS2(821.4193), 37.0eV, 47.8min, 1/K0=1.006 #23574  
Cmpd 15844, +MS2(821.4195), 37.0eV, 47.758-47.762min, 1/K0=1.007  
Cmpd 84451, +MS2(836.9340), 37.0eV, 76.6min, 1/K0=1.047 #38754  
Cmpd 83003, +MS2(836.9341), 37.0eV, 76.026-76.028min, 1/K0=1.049  
Cmpd 83139, +MS2(836.9343), 42.0eV, 76.1min, 1/K0=1.054 #38502  
Cmpd 83339, +MS2(836.9366), 42.0eV, 76.1min, 1/K0=1.055 #38535  
Cmpd 112516, +MS2(870.9219), 37.0eV, 86.2min, 1/K0=0.997 #43815  
Cmpd 36896, +MS2(874.4171), 37.0eV, 58.4min, 1/K0=1.019 #29184  
Cmpd 40879, +MS2(918.4054), 37.0eV, 60.103-60.111min, 1/K0=1.009  
Cmpd 34952, +MS2(918.4042), 37.0eV, 57.6min, 1/K0=1.007 #28755  
Cmpd 37919, +MS2(918.4045), 37.0eV, 58.850-58.854min, 1/K0=1.012  
Cmpd 36953, +MS2(918.4049), 37.0eV, 58.430-58.434min, 1/K0=1.017  
Cmpd 38932, +MS2(918.4042), 37.0eV, 59.29-59.30min, 1/K0=1.010 #2  
Cmpd 35892, +MS2(918.4052), 37.0eV, 58.0min, 1/K0=1.007 #28975  
Cmpd 33788, +MS2(918.4057), 37.0eV, 57.1min, 1/K0=1.010 #28514  
Cmpd 33873, +MS2(918.4064), 37.0eV, 57.2min, 1/K0=1.011 #28535  
Cmpd 33670, +MS2(918.4067), 37.0eV, 57.08-57.09min, 1/K0=1.008 #2  
Cmpd 33705, +MS2(918.4079), 37.0eV, 57.099-57.101min, 1/K0=1.010

Cmpd 79455, +MS2(648.0175), 37.0eV, 74.7min, 1/K0=0.886 #37797  
Cmpd 38153, +MS2(708.3212), 37.0eV, 59.0min, 1/K0=0.885 #29470  
Cmpd 36697, +MS2(708.3219), 37.0eV, 58.3min, 1/K0=0.886 #29141  
Cmpd 37213, +MS2(708.3231), 37.0eV, 58.5min, 1/K0=0.883 #29250  
Cmpd 91638, +MS2(718.0825), 37.0eV, 79.4min, 1/K0=0.884 #40241  
Cmpd 46917, +MS2(747.7016), 37.0eV, 62.6min, 1/K0=0.912 #31375  
Cmpd 107827, +MS2(797.0839), 37.0eV, 85.035-85.043min, 1/K0=0.86  
Cmpd 107978, +MS2(1195.1311), 42.0eV, 85.1min, 1/K0=1.218 #43231  
Cmpd 107797, +MS2(1195.1302), 42.0eV, 85.0min, 1/K0=1.218 #43209  
Cmpd 112458, +MS2(913.4448), 37.0eV, 86.194-86.198min, 1/K0=0.95  
Cmpd 112594, +MS2(937.1213), 37.0eV, 86.2min, 1/K0=0.973 #43825  
Cmpd 112335, +MS2(937.1221), 37.0eV, 86.2min, 1/K0=0.972 #43793  
Cmpd 112649, +MS2(974.8208), 37.0eV, 86.240-86.248min, 1/K0=1.00  
Cmpd 112578, +MS2(974.8188), 37.0eV, 86.2min, 1/K0=1.000 #43823  
Cmpd 121957, +MS2(1001.8368), 42.0eV, 88.6min, 1/K0=1.095 #45059  
Cmpd 112334, +MS2(1012.5117), 37.0eV, 86.2min, 1/K0=1.036 #43793  
Cmpd 112301, +MS2(1012.5094), 37.0eV, 86.159-86.161min, 1/K0=1.0  
Cmpd 110711, +MS2(1055.2118), 42.0eV, 85.7min, 1/K0=1.060 #43576  
Cmpd 7177, +MS2(468.3076), 31.9eV, 42.0min, 1/K0=0.766 #20483  
Cmpd 6649, +MS2(468.3088), 31.9eV, 41.6min, 1/K0=0.768 #20264  
Cmpd 6563, +MS2(468.3093), 31.9eV, 41.54-41.55min, 1/K0=0.767 #20  
Cmpd 43265, +MS2(860.8907), 37.0eV, 61.121-61.123min, 1/K0=0.978  
Cmpd 105397, +MS2(860.8956), 37.0eV, 84.369-84.370min, 1/K0=0.97  
Cmpd 43092, +MS2(860.8886), 37.0eV, 61.045-61.049min, 1/K0=0.982  
Cmpd 69072, +MS2(918.4087), 37.0eV, 70.968-70.972min, 1/K0=1.006  
Cmpd 44387, +MS2(924.9421), 37.0eV, 61.498-61.502min, 1/K0=1.030  
Cmpd 97002, +MS2(620.3512), 31.9eV, 81.390-81.394min, 1/K0=0.821  
Cmpd 95650, +MS2(620.3521), 31.9eV, 80.942-80.944min, 1/K0=0.824  
Cmpd 69338, +MS2(974.9496), 37.0eV, 71.063-71.067min, 1/K0=1.045  
Cmpd 44428, +MS2(982.4578), 42.0eV, 61.5min, 1/K0=1.062 #30823  
Cmpd 78376, +MS2(1031.4861), 42.0eV, 74.344-74.346min, 1/K0=1.07  
Cmpd 68558, +MS2(1031.4931), 42.0eV, 70.799-70.802min, 1/K0=1.09  
Cmpd 75971, +MS2(1031.4918), 42.0eV, 73.5min, 1/K0=1.081 #37148  
Cmpd 71483, +MS2(1031.4947), 42.0eV, 71.8min, 1/K0=1.085 #36269  
Cmpd 82364, +MS2(1031.4901), 42.0eV, 75.767-75.769min, 1/K0=1.08  
Cmpd 72530, +MS2(1031.4910), 42.0eV, 72.3min, 1/K0=1.083 #36489  
Cmpd 75837, +MS2(1031.4936), 37.0eV, 73.459-73.461min, 1/K0=1.05  
Cmpd 79079, +MS2(1031.4909), 42.0eV, 74.617-74.619min, 1/K0=1.09  
Cmpd 68711, +MS2(1031.4924), 42.0eV, 70.8min, 1/K0=1.074 #35751  
Cmpd 73722, +MS2(1031.4921), 42.0eV, 72.7min, 1/K0=1.081 #36709  
Cmpd 68847, +MS2(1031.4936), 42.0eV, 70.9min, 1/K0=1.078 #35774  
Cmpd 69202, +MS2(1031.4922), 42.0eV, 71.0min, 1/K0=1.080 #35839  
Cmpd 80409, +MS2(1031.4925), 42.0eV, 75.058-75.063min, 1/K0=1.07  
Cmpd 74872, +MS2(1031.4905), 42.0eV, 73.1min, 1/K0=1.083 #36929  
Cmpd 83507, +MS2(1031.4942), 42.0eV, 76.207-76.212min, 1/K0=1.07  
Cmpd 69932, +MS2(1031.4943), 42.0eV, 71.3min, 1/K0=1.056 #35962  
Cmpd 71055, +MS2(1031.4967), 37.0eV, 71.667-71.672min, 1/K0=1.05  
Cmpd 44298, +MS2(1039.0021), 42.0eV, 61.47-61.48min, 1/K0=1.093 #

0.000000000000000020000.0	Cmpd 54427, +MS2(1039.4902), 42.0eV, 65.514-65.524min, 1/K0=1.09
0.000000000000000020000.0	Cmpd 62080, +MS2(1039.4886), 42.0eV, 68.4min, 1/K0=1.074 #34464
0.000000000000000020000.0	Cmpd 55039, +MS2(1039.4874), 42.0eV, 65.748-65.754min, 1/K0=1.09
0.000000000000000020000.0	Cmpd 55120, +MS2(1039.4884), 42.0eV, 65.8min, 1/K0=1.069 #33078
0.000000000000000020000.0	Cmpd 54001, +MS2(1039.4905), 42.0eV, 65.4min, 1/K0=1.073 #32858
0.000000000000000020000.0	Cmpd 51999, +MS2(1039.4914), 42.0eV, 64.6min, 1/K0=1.071 #32444
0.000000000000000020000.0	Cmpd 60971, +MS2(1039.4901), 42.0eV, 68.0min, 1/K0=1.076 #34244
0.000000000000000020000.0	Cmpd 59865, +MS2(1039.4908), 42.0eV, 67.6min, 1/K0=1.071 #34026
0.000000000000000020000.0	Cmpd 52867, +MS2(1039.4916), 42.0eV, 64.9min, 1/K0=1.075 #32616
0.000000000000000020000.0	Cmpd 56132, +MS2(1039.4916), 42.0eV, 66.205-66.206min, 1/K0=1.06
0.000000000000000020000.0	Cmpd 69011, +MS2(1039.4879), 42.0eV, 70.949-70.950min, 1/K0=1.07
0.000000000000000020000.0	Cmpd 52968, +MS2(1039.4919), 42.0eV, 64.9min, 1/K0=1.092 #32638
0.000000000000000020000.0	Cmpd 52756, +MS2(1039.4924), 42.0eV, 64.848-64.852min, 1/K0=1.08
	Cmpd 107280, +MS2(696.0569), 31.9eV, 84.899-84.901min, 1/K0=0.81
	Cmpd 107321, +MS2(696.0569), 31.9eV, 84.9min, 1/K0=0.815 #43145
	Cmpd 44473, +MS2(730.6920), 37.0eV, 61.527-61.529min, 1/K0=0.904
	Cmpd 44628, +MS2(730.6929), 37.0eV, 61.6min, 1/K0=0.903 #30857
	Cmpd 44264, +MS2(1095.5468), 42.0eV, 61.464-61.466min, 1/K0=1.12
0.0000000000000000200000.0	Cmpd 31232, +MS2(736.0250), 37.0eV, 55.978-55.980min, 1/K0=0.908
0.0000000000000000200000.0	Cmpd 31374, +MS2(736.0264), 37.0eV, 56.1min, 1/K0=0.904 #27941
	Cmpd 92343, +MS2(748.0953), 37.0eV, 79.657-79.659min, 1/K0=0.959
	Cmpd 92632, +MS2(748.0966), 37.0eV, 79.8min, 1/K0=0.959 #40449
	Cmpd 107167, +MS2(763.4075), 31.9eV, 84.872-84.874min, 1/K0=0.83
	Cmpd 107381, +MS2(763.4099), 31.9eV, 84.9min, 1/K0=0.832 #43154
	Cmpd 81694, +MS2(1168.1078), 42.0eV, 75.5min, 1/K0=1.196 #38215
	Cmpd 81610, +MS2(1168.1094), 42.0eV, 75.493-75.495min, 1/K0=1.18
	Cmpd 82807, +MS2(1168.1068), 42.0eV, 75.951-75.953min, 1/K0=1.20
	Cmpd 92378, +MS2(815.4495), 37.0eV, 79.7min, 1/K0=0.976 #40394
	Cmpd 70712, +MS2(1232.1558), 42.0eV, 71.5min, 1/K0=1.198 #36114
	Cmpd 70405, +MS2(1232.1561), 42.0eV, 71.4min, 1/K0=1.194 #36048
0.000000000000000020000000.0	Cmpd 60271, +MS2(827.1033), 37.0eV, 67.7min, 1/K0=0.870 #34111
0.000000000000000020000000.0	Cmpd 60307, +MS2(827.1055), 37.0eV, 67.754-67.756min, 1/K0=0.869
0.000000000000000020000000.0	Cmpd 60607, +MS2(827.1045), 37.0eV, 67.9min, 1/K0=0.869 #34178
	Cmpd 105172, +MS2(1052.1578), 37.0eV, 84.3min, 1/K0=0.945 #42824
	Cmpd 105029, +MS2(1052.1583), 37.0eV, 84.245-84.247min, 1/K0=0.9
	Cmpd 105048, +MS2(1052.1600), 37.0eV, 84.2min, 1/K0=0.945 #42802
0.00000000000000000000000020.0	Cmpd 105236, +MS2(1057.4929), 37.0eV, 84.311-84.313min, 1/K0=0.9
0.00000000000000000000000020.0	Cmpd 93740, +MS2(1057.4921), 37.0eV, 80.2min, 1/K0=0.942 #40680
0.00000000000000000000000020.0	Cmpd 93502, +MS2(1057.4924), 37.0eV, 80.116-80.118min, 1/K0=0.94
	Cmpd 74700, +MS2(475.2637), 31.9eV, 73.024-73.030min, 1/K0=0.725
	Cmpd 74613, +MS2(559.3081), 31.9eV, 72.994-72.995min, 1/K0=0.790
	Cmpd 70426, +MS2(570.2962), 31.9eV, 71.418-71.426min, 1/K0=0.818
	Cmpd 70767, +MS2(570.2974), 31.9eV, 71.6min, 1/K0=0.814 #36125
	Cmpd 70940, +MS2(570.2980), 31.9eV, 71.6min, 1/K0=0.799 #36158
	Cmpd 70891, +MS2(570.2979), 31.9eV, 71.6min, 1/K0=0.827 #36148
	Cmpd 71867, +MS2(570.2993), 31.9eV, 72.0min, 1/K0=0.818 #36345
	Cmpd 74621, +MS2(594.8302), 31.9eV, 72.997-72.999min, 1/K0=0.814
	Cmpd 70565, +MS2(651.8294), 37.0eV, 71.5min, 1/K0=0.873 #36081

0.0002000000000.0  
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Cmpd 70904, +MS2(651.8305), 37.0eV, 71.6min, 1/K0=0.894 #36150  
Cmpd 70766, +MS2(651.8296), 37.0eV, 71.6min, 1/K0=0.872 #36125  
Cmpd 70395, +MS2(651.8279), 37.0eV, 71.409-71.412min, 1/K0=0.873  
Cmpd 72981, +MS2(651.8300), 37.0eV, 72.4min, 1/K0=0.882 #36565  
Cmpd 70837, +MS2(651.8303), 37.0eV, 71.6min, 1/K0=0.856 #36138  
Cmpd 70996, +MS2(651.8308), 37.0eV, 71.6min, 1/K0=0.856 #36169  
Cmpd 71866, +MS2(651.8320), 37.0eV, 72.0min, 1/K0=0.876 #36345  
Cmpd 114594, +MS2(655.3079), 37.0eV, 86.7min, 1/K0=0.856 #44080  
Cmpd 74382, +MS2(692.8904), 37.0eV, 72.912-72.914min, 1/K0=0.897  
Cmpd 74522, +MS2(692.8919), 37.0eV, 73.0min, 1/K0=0.896 #36862  
Cmpd 74553, +MS2(692.8934), 37.0eV, 72.973-72.975min, 1/K0=0.938  
Cmpd 120931, +MS2(710.8468), 37.0eV, 88.4min, 1/K0=0.911 #44929  
Cmpd 91730, +MS2(710.8488), 37.0eV, 79.4min, 1/K0=0.915 #40262  
Cmpd 120874, +MS2(710.8501), 37.0eV, 88.4min, 1/K0=0.910 #44924  
Cmpd 114359, +MS2(710.8520), 37.0eV, 86.7min, 1/K0=0.912 #44052  
Cmpd 115381, +MS2(718.8431), 37.0eV, 86.921-86.925min, 1/K0=0.91  
Cmpd 64017, +MS2(718.8458), 37.0eV, 69.2min, 1/K0=0.916 #34885  
Cmpd 114722, +MS2(719.3421), 37.0eV, 86.757-86.759min, 1/K0=0.89  
Cmpd 70564, +MS2(725.3662), 37.0eV, 71.5min, 1/K0=0.945 #36081  
Cmpd 70882, +MS2(725.3673), 37.0eV, 71.6min, 1/K0=0.948 #36147  
Cmpd 71982, +MS2(725.3679), 37.0eV, 72.0min, 1/K0=0.953 #36368  
Cmpd 74697, +MS2(776.9394), 37.0eV, 73.0min, 1/K0=0.963 #36895  
Cmpd 74812, +MS2(776.9400), 37.0eV, 73.1min, 1/K0=0.945 #36917  
Cmpd 70716, +MS2(782.8810), 37.0eV, 71.5min, 1/K0=0.967 #36114  
Cmpd 71809, +MS2(782.8831), 37.0eV, 72.0min, 1/K0=0.970 #36334  
Cmpd 121731, +MS2(816.8856), 37.0eV, 88.566-88.568min, 1/K0=0.96  
Cmpd 120020, +MS2(816.8872), 37.0eV, 88.2min, 1/K0=0.963 #44817  
Cmpd 119239, +MS2(824.8831), 37.0eV, 87.9min, 1/K0=0.957 #44708  
Cmpd 115388, +MS2(824.8864), 37.0eV, 86.925-86.933min, 1/K0=0.96  
Cmpd 70823, +MS2(555.9355), 31.9eV, 71.581-71.583min, 1/K0=0.794  
Cmpd 70997, +MS2(833.3985), 31.9eV, 71.644-71.648min, 1/K0=0.795  
Cmpd 71541, +MS2(555.9362), 31.9eV, 71.9min, 1/K0=0.798 #36279  
Cmpd 71771, +MS2(833.4044), 37.0eV, 71.9min, 1/K0=0.985 #36325  
Cmpd 74011, +MS2(833.4064), 37.0eV, 72.8min, 1/K0=1.009 #36763  
Cmpd 72988, +MS2(833.4074), 37.0eV, 72.4min, 1/K0=0.992 #36566  
Cmpd 70460, +MS2(833.4078), 37.0eV, 71.4min, 1/K0=1.006 #36059  
Cmpd 72831, +MS2(833.4079), 37.0eV, 72.4min, 1/K0=1.010 #36543  
Cmpd 71754, +MS2(833.4081), 37.0eV, 71.9min, 1/K0=1.011 #36323  
Cmpd 70664, +MS2(833.4088), 37.0eV, 71.5min, 1/K0=1.008 #36103  
Cmpd 74662, +MS2(855.9693), 37.0eV, 73.009-73.011min, 1/K0=0.859  
Cmpd 74042, +MS2(855.9695), 37.0eV, 72.785-72.787min, 1/K0=0.991  
Cmpd 74467, +MS2(855.9698), 37.0eV, 72.9min, 1/K0=0.985 #36851  
Cmpd 74679, +MS2(855.9700), 37.0eV, 73.018-73.020min, 1/K0=0.874  
Cmpd 74127, +MS2(855.9724), 37.0eV, 72.8min, 1/K0=0.982 #36785  
Cmpd 74252, +MS2(855.9707), 37.0eV, 72.86-72.87min, 1/K0=1.042 #36841  
Cmpd 78244, +MS2(855.9721), 37.0eV, 74.3min, 1/K0=0.987 #37566  
Cmpd 74810, +MS2(855.9727), 37.0eV, 73.1min, 1/K0=1.043 #36917  
Cmpd 74412, +MS2(855.9730), 37.0eV, 72.9min, 1/K0=1.041 #36841

	Cmpd 75579, +MS2(855.9731), 37.0eV, 73.4min, 1/K0=0.983 #37071
	Cmpd 74234, +MS2(855.9728), 37.0eV, 72.9min, 1/K0=0.983 #36807
	Cmpd 74763, +MS2(855.9734), 37.0eV, 73.0min, 1/K0=1.030 #36907
	Cmpd 74574, +MS2(855.9746), 37.0eV, 73.0min, 1/K0=1.006 #36873
0.0000000000000002000.0	Cmpd 58841, +MS2(863.9673), 37.0eV, 67.188-67.192min, 1/K0=0.989
0.0000000000000002000.0	Cmpd 51420, +MS2(863.9662), 42.0eV, 64.3min, 1/K0=1.057 #32319
0.0000000000000002000.0	Cmpd 59921, +MS2(863.9670), 37.0eV, 67.601-67.603min, 1/K0=0.987
0.0000000000000002000.0	Cmpd 53103, +MS2(863.9693), 37.0eV, 65.00-65.01min, 1/K0=0.996 #32209
0.0000000000000002000.0	Cmpd 50917, +MS2(863.9695), 37.0eV, 64.1min, 1/K0=0.989 #32209
0.0000000000000002000.0	Cmpd 61124, +MS2(863.9702), 37.0eV, 68.051-68.053min, 1/K0=0.986
0.0000000000000002000.0	Cmpd 64854, +MS2(863.9684), 37.0eV, 69.504-69.505min, 1/K0=0.982
0.0000000000000002000.0	Cmpd 51179, +MS2(863.9706), 37.0eV, 64.2min, 1/K0=0.988 #32264
0.0000000000000002000.0	Cmpd 55244, +MS2(863.9698), 37.0eV, 65.8min, 1/K0=0.988 #33101
0.0000000000000002000.0	Cmpd 64648, +MS2(863.9706), 37.0eV, 69.4min, 1/K0=0.984 #35002
0.0000000000000002000.0	Cmpd 75181, +MS2(863.9696), 37.0eV, 73.203-73.205min, 1/K0=0.990
0.0000000000000002000.0	Cmpd 74656, +MS2(863.9708), 37.0eV, 73.007-73.009min, 1/K0=1.009
0.0000000000000002000.0	Cmpd 50766, +MS2(863.9717), 37.0eV, 64.074-64.076min, 1/K0=0.992
	Cmpd 73413, +MS2(884.4834), 37.0eV, 72.559-72.563min, 1/K0=1.002
	Cmpd 106926, +MS2(941.0244), 37.0eV, 84.808-84.812min, 1/K0=1.04
	Cmpd 106879, +MS2(941.0266), 42.0eV, 84.8min, 1/K0=1.086 #43088
	Cmpd 106972, +MS2(941.0277), 37.0eV, 84.8min, 1/K0=1.054 #43100
	Cmpd 107039, +MS2(941.0280), 42.0eV, 84.8min, 1/K0=1.087 #43110
	Cmpd 107116, +MS2(941.0286), 42.0eV, 84.9min, 1/K0=1.058 #43121
0.000000000000000200000.0	Cmpd 85719, +MS2(949.0228), 42.0eV, 77.0min, 1/K0=1.057 #39008
0.000000000000000200000.0	Cmpd 85581, +MS2(949.0186), 42.0eV, 76.981-76.985min, 1/K0=1.057
	Cmpd 116163, +MS2(1034.0693), 42.0eV, 87.1min, 1/K0=1.108 #44288
	Cmpd 100516, +MS2(712.3662), 37.0eV, 82.640-82.644min, 1/K0=0.88
	Cmpd 102146, +MS2(712.3681), 37.0eV, 83.2min, 1/K0=0.889 #42275
	Cmpd 100977, +MS2(712.3674), 31.9eV, 82.819-82.821min, 1/K0=0.84
	Cmpd 100994, +MS2(712.3686), 37.0eV, 82.8min, 1/K0=0.889 #42054
	Cmpd 100663, +MS2(712.3682), 37.0eV, 82.7min, 1/K0=0.886 #41988
	Cmpd 120947, +MS2(816.0385), 37.0eV, 88.4min, 1/K0=0.871 #44932
	Cmpd 121014, +MS2(816.0415), 37.0eV, 88.4min, 1/K0=0.873 #44939
	Cmpd 119119, +MS2(901.0984), 37.0eV, 87.902-87.904min, 1/K0=0.91
	Cmpd 116310, +MS2(986.1407), 37.0eV, 87.2min, 1/K0=1.050 #44309
	Cmpd 114514, +MS2(1106.5218), 37.0eV, 86.7min, 1/K0=0.969 #44070
	Cmpd 116086, +MS2(1106.5234), 37.0eV, 87.1min, 1/K0=0.970 #44277
	Cmpd 12673, +MS2(500.2987), 31.9eV, 45.8min, 1/K0=0.796 #22474
	Cmpd 14849, +MS2(520.2776), 31.9eV, 47.1min, 1/K0=0.789 #23189
	Cmpd 15468, +MS2(520.2781), 31.9eV, 47.5min, 1/K0=0.794 #23409
	Cmpd 79373, +MS2(562.3543), 37.0eV, 74.7min, 1/K0=0.861 #37785
	Cmpd 79311, +MS2(626.3854), 37.0eV, 74.7min, 1/K0=0.885 #37776
	Cmpd 36758, +MS2(677.8600), 37.0eV, 58.35-58.36min, 1/K0=0.889 #36730
	Cmpd 36730, +MS2(677.8615), 37.0eV, 58.343-58.345min, 1/K0=0.888
	Cmpd 5394, +MS2(679.8289), 37.0eV, 40.5min, 1/K0=0.870 #19669
	Cmpd 5332, +MS2(679.8291), 37.0eV, 40.430-40.435min, 1/K0=0.873 #19669
	Cmpd 79046, +MS2(682.9276), 37.0eV, 74.608-74.610min, 1/K0=0.944
	Cmpd 79233, +MS2(682.9283), 37.0eV, 74.7min, 1/K0=0.947 #37764



	Cmpd 80524, +MS2(682.9287), 37.0eV, 75.1min, 1/K0=0.942 #37991
	Cmpd 26391, +MS2(707.3822), 37.0eV, 53.456-53.460min, 1/K0=0.911
	Cmpd 99086, +MS2(725.8364), 37.0eV, 82.1min, 1/K0=0.924 #41660
	Cmpd 102499, +MS2(725.8374), 37.0eV, 83.4min, 1/K0=0.924 #42342
	Cmpd 101366, +MS2(725.8381), 37.0eV, 83.0min, 1/K0=0.925 #42122
	Cmpd 100154, +MS2(725.8388), 37.0eV, 82.5min, 1/K0=0.927 #41879
	Cmpd 100166, +MS2(725.8388), 37.0eV, 82.496-82.498min, 1/K0=0.91
	Cmpd 5276, +MS2(730.3521), 37.0eV, 40.381-40.385min, 1/K0=0.896 #
	Cmpd 5345, +MS2(730.3529), 37.0eV, 40.4min, 1/K0=0.898 #19647
	Cmpd 5373, +MS2(730.3530), 37.0eV, 40.5min, 1/K0=0.883 #19659
	Cmpd 5452, +MS2(730.3534), 37.0eV, 40.5min, 1/K0=0.898 #19691
	Cmpd 43032, +MS2(732.3844), 37.0eV, 61.0min, 1/K0=0.966 #30560
0.002000000000.0	Cmpd 71478, +MS2(733.8348), 37.0eV, 71.8min, 1/K0=0.912 #36268
0.002000000000.0	Cmpd 70868, +MS2(733.8349), 37.0eV, 71.598-71.600min, 1/K0=0.911
0.002000000000.0	Cmpd 87557, +MS2(733.8369), 37.0eV, 77.8min, 1/K0=0.916 #39396
0.200000000000.0	Cmpd 82586, +MS2(733.8382), 37.0eV, 75.9min, 1/K0=0.928 #38391
	Cmpd 79467, +MS2(739.4722), 37.0eV, 74.7min, 1/K0=0.981 #37798
	Cmpd 80701, +MS2(739.4724), 37.0eV, 75.169-75.171min, 1/K0=0.982
	Cmpd 79021, +MS2(739.4725), 37.0eV, 74.6min, 1/K0=0.986 #37723
0.202000000000.0	Cmpd 58774, +MS2(741.8317), 37.0eV, 67.165-67.171min, 1/K0=0.908
	Cmpd 26309, +MS2(504.2736), 31.9eV, 53.4min, 1/K0=0.738 #26544
	Cmpd 26316, +MS2(755.9068), 37.0eV, 53.4min, 1/K0=0.959 #26545
	Cmpd 26126, +MS2(755.9082), 37.0eV, 53.340-53.342min, 1/K0=0.958
	Cmpd 84040, +MS2(774.8928), 37.0eV, 76.4min, 1/K0=0.932 #38677
	Cmpd 84346, +MS2(774.8932), 37.0eV, 76.5min, 1/K0=0.953 #38733
	Cmpd 83876, +MS2(774.9018), 37.0eV, 76.35-76.36min, 1/K0=0.953 #
	Cmpd 83909, +MS2(774.8945), 37.0eV, 76.361-76.363min, 1/K0=0.936
	Cmpd 85661, +MS2(774.8961), 37.0eV, 77.0min, 1/K0=0.952 #38996
	Cmpd 86748, +MS2(774.9012), 37.0eV, 77.5min, 1/K0=0.959 #39227
	Cmpd 84912, +MS2(780.9007), 37.0eV, 76.730-76.734min, 1/K0=0.936
	Cmpd 15543, +MS2(783.3537), 37.0eV, 47.572-47.574min, 1/K0=0.948
	Cmpd 14940, +MS2(783.3546), 37.0eV, 47.2min, 1/K0=0.948 #23223
	Cmpd 14815, +MS2(783.3574), 37.0eV, 47.076-47.080min, 1/K0=0.945
	Cmpd 36742, +MS2(785.4032), 37.0eV, 58.3min, 1/K0=0.962 #29151
1.00000000000000.0	Cmpd 50157, +MS2(804.3634), 37.0eV, 63.845-63.847min, 1/K0=0.960
	Cmpd 43205, +MS2(553.2826), 31.9eV, 61.1min, 1/K0=0.686 #30603
	Cmpd 42731, +MS2(553.2853), 31.9eV, 60.877-60.879min, 1/K0=0.815
	Cmpd 42954, +MS2(553.2828), 31.9eV, 60.973-60.977min, 1/K0=0.686
	Cmpd 43406, +MS2(553.2833), 31.9eV, 61.181-61.189min, 1/K0=0.715
	Cmpd 42901, +MS2(553.2835), 31.9eV, 60.95-60.96min, 1/K0=0.686 #
	Cmpd 44153, +MS2(553.2838), 31.9eV, 61.434-61.436min, 1/K0=0.811
	Cmpd 43222, +MS2(553.2841), 31.9eV, 61.102-61.108min, 1/K0=0.744
	Cmpd 42851, +MS2(553.2858), 31.9eV, 60.9min, 1/K0=0.815 #30516
	Cmpd 43028, +MS2(553.2867), 31.9eV, 61.0min, 1/K0=0.817 #30559
1.00002000000000.0	Cmpd 43052, +MS2(553.6184), 31.9eV, 61.022-61.026min, 1/K0=0.786
0.000002000000000.0	Cmpd 28236, +MS2(558.6161), 31.9eV, 54.459-54.466min, 1/K0=0.687
0.000002000000000.0	Cmpd 27322, +MS2(558.6162), 31.9eV, 53.946-53.948min, 1/K0=0.805
0.000002000000000.0	Cmpd 27917, +MS2(558.6172), 31.9eV, 54.303-54.305min, 1/K0=0.820

0.000002000000000.0	Cmpd 27392, +MS2(558.6161), 31.9eV, 53.99-54.00min, 1/K0=0.690 #19680
	Cmpd 5429, +MS2(565.2701), 31.9eV, 40.5min, 1/K0=0.760 #19680
	Cmpd 5320, +MS2(847.4040), 37.0eV, 40.4min, 1/K0=0.942 #19636
	Cmpd 5459, +MS2(847.4042), 37.0eV, 40.5min, 1/K0=0.927 #19692
	Cmpd 5393, +MS2(847.4047), 37.0eV, 40.5min, 1/K0=0.942 #19669
	Cmpd 54561, +MS2(853.9141), 37.0eV, 65.560-65.562min, 1/K0=1.031
	Cmpd 109929, +MS2(855.4978), 42.0eV, 85.6min, 1/K0=1.077 #43480
	Cmpd 26985, +MS2(575.9690), 31.9eV, 53.8min, 1/K0=0.791 #26731
	Cmpd 26562, +MS2(575.9692), 31.9eV, 53.5min, 1/K0=0.773 #26599
	Cmpd 26168, +MS2(575.9703), 31.9eV, 53.4min, 1/K0=0.793 #26511
	Cmpd 26119, +MS2(863.4519), 37.0eV, 53.339-53.344min, 1/K0=1.025
	Cmpd 26305, +MS2(863.4534), 37.0eV, 53.4min, 1/K0=1.025 #26544
1.000000000000000.0	Cmpd 26524, +MS2(868.4057), 37.0eV, 53.507-53.509min, 1/K0=1.000
1.000000000000000.0	Cmpd 27267, +MS2(868.4047), 37.0eV, 53.919-53.925min, 1/K0=1.002
1.000000000000000.0	Cmpd 25504, +MS2(868.4065), 37.0eV, 53.021-53.025min, 1/K0=0.983
1.000000000000000.0	Cmpd 24351, +MS2(868.4071), 37.0eV, 52.4min, 1/K0=0.953 #26027
1.000000000000000.0	Cmpd 25637, +MS2(868.4076), 37.0eV, 53.1min, 1/K0=1.000 #26368
1.000000000000000.0	Cmpd 23871, +MS2(868.4077), 37.0eV, 52.2min, 1/K0=1.005 #25895
1.000000000000000.0	Cmpd 28131, +MS2(868.4045), 37.0eV, 54.398-54.404min, 1/K0=1.001
1.000000000000000.0	Cmpd 25054, +MS2(868.4082), 37.0eV, 52.8min, 1/K0=1.024 #26203
1.000000000000000.0	Cmpd 24569, +MS2(868.4085), 37.0eV, 52.5min, 1/K0=0.993 #26082
1.000000000000000.0	Cmpd 23999, +MS2(868.4084), 37.0eV, 52.3min, 1/K0=1.007 #25928
1.000000000000000.0	Cmpd 24848, +MS2(868.4086), 37.0eV, 52.7min, 1/K0=1.011 #26148
1.000000000000000.0	Cmpd 28852, +MS2(868.4079), 37.0eV, 54.811-54.818min, 1/K0=1.000
1.000000000000000.0	Cmpd 25622, +MS2(868.4095), 37.0eV, 53.081-53.085min, 1/K0=0.984
1.000000000000000.0	Cmpd 24150, +MS2(868.4101), 31.9eV, 52.335-52.339min, 1/K0=0.786
1.000000000000000.0	Cmpd 23782, +MS2(868.4063), 37.0eV, 52.154-52.156min, 1/K0=1.001
1.000000000000000.0	Cmpd 93167, +MS2(583.3245), 31.9eV, 79.98-80.00min, 1/K0=0.764 #40593
	Cmpd 94366, +MS2(874.4903), 37.0eV, 80.462-80.464min, 1/K0=1.052
	Cmpd 93314, +MS2(874.4931), 37.0eV, 80.0min, 1/K0=1.053 #40593
	Cmpd 93170, +MS2(874.4952), 37.0eV, 79.984-79.990min, 1/K0=1.049
	Cmpd 84433, +MS2(895.9367), 37.0eV, 76.549-76.553min, 1/K0=1.008
	Cmpd 84670, +MS2(895.9439), 37.0eV, 76.6min, 1/K0=1.007 #38798
	Cmpd 84884, +MS2(895.9455), 37.0eV, 76.7min, 1/K0=1.009 #38842
	Cmpd 85940, +MS2(895.9457), 37.0eV, 77.1min, 1/K0=1.012 #39062
	Cmpd 85451, +MS2(895.9457), 37.0eV, 76.9min, 1/K0=1.030 #38954
	Cmpd 110357, +MS2(607.3679), 31.9eV, 85.656-85.658min, 1/K0=0.82
	Cmpd 109932, +MS2(654.0396), 31.9eV, 85.557-85.559min, 1/K0=0.79
	Cmpd 109841, +MS2(980.5655), 42.0eV, 85.538-85.540min, 1/K0=1.16
	Cmpd 109868, +MS2(980.5658), 42.0eV, 85.5min, 1/K0=1.161 #43473
	Cmpd 110140, +MS2(980.5662), 42.0eV, 85.6min, 1/K0=1.161 #43506
	Cmpd 56420, +MS2(663.9750), 31.9eV, 66.3min, 1/K0=0.844 #33364
	Cmpd 56421, +MS2(663.9757), 31.9eV, 66.3min, 1/K0=0.788 #33364
	Cmpd 56459, +MS2(995.4610), 42.0eV, 66.3min, 1/K0=1.071 #33375
	Cmpd 56204, +MS2(663.9760), 31.9eV, 66.2min, 1/K0=0.846 #33319
	Cmpd 41781, +MS2(716.0097), 37.0eV, 60.5min, 1/K0=0.904 #30276
	Cmpd 87270, +MS2(716.3899), 31.9eV, 77.657-77.659min, 1/K0=0.851
	Cmpd 110259, +MS2(750.1135), 37.0eV, 85.633-85.635min, 1/K0=0.94

	Cmpd 110121, +MS2(833.4962), 37.0eV, 85.6min, 1/K0=1.003 #43503
	Cmpd 110163, +MS2(833.4971), 37.0eV, 85.6min, 1/K0=1.004 #43508
	Cmpd 106673, +MS2(971.8164), 42.0eV, 84.737-84.739min, 1/K0=1.09
	Cmpd 110354, +MS2(1001.1573), 37.0eV, 85.656-85.664min, 1/K0=1.0
	Cmpd 104118, +MS2(537.2853), 31.9eV, 83.9min, 1/K0=0.793 #42627
	Cmpd 101717, +MS2(537.2860), 31.9eV, 83.1min, 1/K0=0.794 #42186
	Cmpd 105316, +MS2(537.2860), 31.9eV, 84.3min, 1/K0=0.793 #42848
	Cmpd 102873, +MS2(537.2862), 31.9eV, 83.5min, 1/K0=0.793 #42406
	Cmpd 101246, +MS2(537.2868), 31.9eV, 82.915-82.919min, 1/K0=0.79
	Cmpd 101413, +MS2(537.2870), 31.9eV, 83.0min, 1/K0=0.791 #42131
	Cmpd 115298, +MS2(557.7672), 31.9eV, 86.898-86.903min, 1/K0=0.77
	Cmpd 120540, +MS2(579.8236), 31.9eV, 88.3min, 1/K0=0.817 #44881
	Cmpd 102147, +MS2(593.8294), 31.9eV, 83.244-83.250min, 1/K0=0.82
	Cmpd 115399, +MS2(614.3078), 31.9eV, 86.927-86.929min, 1/K0=0.83
	Cmpd 115320, +MS2(614.3113), 31.9eV, 86.907-86.909min, 1/K0=0.83
	Cmpd 102322, +MS2(629.3486), 31.9eV, 83.3min, 1/K0=0.827 #42310
	Cmpd 102456, +MS2(629.3487), 37.0eV, 83.358-83.360min, 1/K0=0.86
	Cmpd 10156, +MS2(697.3086), 37.0eV, 44.048-44.053min, 1/K0=0.871
	Cmpd 11162, +MS2(697.3008), 37.0eV, 44.775-44.777min, 1/K0=0.872
	Cmpd 7978, +MS2(697.3100), 37.0eV, 42.533-42.539min, 1/K0=0.877 #
	Cmpd 8063, +MS2(697.3107), 37.0eV, 42.6min, 1/K0=0.874 #20791
	Cmpd 8148, +MS2(697.3108), 37.0eV, 42.6min, 1/K0=0.874 #20824
	Cmpd 8829, +MS2(697.3113), 37.0eV, 43.2min, 1/K0=0.877 #21100
	Cmpd 8272, +MS2(697.3117), 37.0eV, 42.8min, 1/K0=0.879 #20879
	Cmpd 8094, +MS2(697.3120), 37.0eV, 42.608-42.610min, 1/K0=0.891 #
0.000000200000.0	Cmpd 8720, +MS2(697.3137), 37.0eV, 43.106-43.108min, 1/K0=0.858 #
0.000000200000.0	Cmpd 7941, +MS2(705.3056), 37.0eV, 42.518-42.522min, 1/K0=0.882 #
0.000000200000.0	Cmpd 1132, +MS2(705.3066), 31.9eV, 35.75-35.77min, 1/K0=0.851 #1.
0.000000200000.0	Cmpd 1307, +MS2(705.3073), 37.0eV, 36.243-36.245min, 1/K0=0.873 #
0.000000200000.0	Cmpd 672, +MS2(705.3081), 37.0eV, 34.201-34.203min, 1/K0=0.871 #:
0.000000200000.0	Cmpd 1003, +MS2(705.3083), 37.0eV, 35.419-35.421min, 1/K0=0.873 #
0.000000200000.0	Cmpd 757, +MS2(705.3084), 37.0eV, 34.6min, 1/K0=0.870 #16531
0.000000200000.0	Cmpd 3966, +MS2(705.3085), 37.0eV, 39.130-39.136min, 1/K0=0.876 #
0.000000200000.0	Cmpd 6726, +MS2(705.3087), 37.0eV, 41.662-41.665min, 1/K0=0.881 #
0.000000200000.0	Cmpd 3163, +MS2(705.3086), 37.0eV, 38.301-38.303min, 1/K0=0.875 #
0.000000200000.0	Cmpd 1605, +MS2(705.3087), 37.0eV, 36.657-36.658min, 1/K0=0.875 #
0.000000200000.0	Cmpd 8124, +MS2(705.3084), 37.0eV, 42.631-42.640min, 1/K0=0.866 #
0.000000200000.0	Cmpd 695, +MS2(705.3090), 31.9eV, 34.324-34.329min, 1/K0=0.849 #:
0.000000200000.0	Cmpd 3543, +MS2(705.3088), 37.0eV, 38.715-38.717min, 1/K0=0.875 #
0.000000200000.0	Cmpd 877, +MS2(705.3089), 37.0eV, 35.012-35.013min, 1/K0=0.873 #:
0.000000200000.0	Cmpd 2581, +MS2(705.3091), 37.0eV, 37.708-37.712min, 1/K0=0.863 #
0.000000200000.0	Cmpd 2348, +MS2(705.3092), 37.0eV, 37.478-37.480min, 1/K0=0.873 #
0.000000200000.0	Cmpd 4531, +MS2(705.3096), 37.0eV, 39.604-39.612min, 1/K0=0.876 #
0.000000200000.0	Cmpd 1789, +MS2(705.3093), 37.0eV, 36.894-36.900min, 1/K0=0.857 #
0.000000200000.0	Cmpd 5328, +MS2(705.3097), 37.0eV, 40.426-40.428min, 1/K0=0.876 #
0.000000200000.0	Cmpd 2748, +MS2(705.3098), 37.0eV, 37.890-37.891min, 1/K0=0.874 #
0.000000200000.0	Cmpd 7343, +MS2(705.3103), 37.0eV, 42.105-42.108min, 1/K0=0.886 #
0.000000200000.0	Cmpd 1924, +MS2(705.3102), 37.0eV, 37.066-37.068min, 1/K0=0.877 #

0.000000200000.0	Cmpd 6243, +MS2(705.3104), 37.0eV, 41.250-41.252min, 1/K0=0.873 #162
0.000000200000.0	Cmpd 642, +MS2(705.3113), 37.0eV, 34.01-34.02min, 1/K0=0.871 #162
0.000000200000.0	Cmpd 1157, +MS2(705.3114), 37.0eV, 35.831-35.833min, 1/K0=0.872 #162
0.000000200000.0	Cmpd 5825, +MS2(705.3120), 37.0eV, 40.838-40.840min, 1/K0=0.872 #162
0.000000200000.0	Cmpd 5930, +MS2(705.3124), 37.0eV, 40.948-40.952min, 1/K0=0.874 #162
	Cmpd 2729, +MS2(761.3592), 37.0eV, 37.9min, 1/K0=0.919 #18272
	Cmpd 87158, +MS2(761.9087), 37.0eV, 77.6min, 1/K0=0.972 #39314
	Cmpd 87242, +MS2(761.9092), 37.0eV, 77.646-77.648min, 1/K0=0.968
0.0000000200000.0	Cmpd 327, +MS2(769.3545), 37.0eV, 31.38-31.40min, 1/K0=0.919 #149
0.0000000200000.0	Cmpd 2770, +MS2(769.3563), 37.0eV, 37.9min, 1/K0=0.922 #18294
0.0000000200000.0	Cmpd 2679, +MS2(769.3568), 37.0eV, 37.811-37.815min, 1/K0=0.925 #149
0.0000000200000.0	Cmpd 360, +MS2(769.3575), 37.0eV, 31.77-31.78min, 1/K0=0.919 #150
	Cmpd 120678, +MS2(805.4499), 37.0eV, 88.3min, 1/K0=0.980 #44899
	Cmpd 120646, +MS2(805.4512), 37.0eV, 88.3min, 1/K0=0.995 #44894
	Cmpd 73179, +MS2(880.4700), 37.0eV, 72.468-72.472min, 1/K0=1.040
	Cmpd 105552, +MS2(962.4614), 42.0eV, 84.4min, 1/K0=1.061 #42890
	Cmpd 105961, +MS2(962.4615), 37.0eV, 84.5min, 1/K0=1.046 #42957
0.0200000000000000.0	Cmpd 88052, +MS2(970.4556), 42.0eV, 77.976-77.978min, 1/K0=1.058
0.0200000000000000.0	Cmpd 86084, +MS2(970.4573), 37.0eV, 77.2min, 1/K0=1.045 #39087
0.0200000000000000.0	Cmpd 89095, +MS2(970.4575), 37.0eV, 78.391-78.393min, 1/K0=1.051
0.0200000000000000.0	Cmpd 85807, +MS2(970.4599), 42.0eV, 77.079-77.081min, 1/K0=1.063
0.0200000000000000.0	Cmpd 87003, +MS2(970.4577), 42.0eV, 77.6min, 1/K0=1.057 #39282
0.0200000000000000.0	Cmpd 86160, +MS2(970.4554), 42.0eV, 77.2min, 1/K0=1.079 #39105
0.0200000000000000.0	Cmpd 85946, +MS2(970.4585), 42.0eV, 77.1min, 1/K0=1.060 #39063
0.0200000000000000.0	Cmpd 95804, +MS2(970.4590), 42.0eV, 81.00-81.02min, 1/K0=1.063 #42890
0.0200000000000000.0	Cmpd 92551, +MS2(970.4592), 42.0eV, 79.740-79.744min, 1/K0=1.057
	Cmpd 115948, +MS2(973.0016), 42.0eV, 87.1min, 1/K0=1.068 #44260
	Cmpd 98714, +MS2(663.9978), 31.9eV, 81.9min, 1/K0=0.775 #41592
	Cmpd 101913, +MS2(663.9992), 31.9eV, 83.151-83.153min, 1/K0=0.82
	Cmpd 100718, +MS2(663.9988), 31.9eV, 82.7min, 1/K0=0.825 #41999
	Cmpd 99664, +MS2(663.9994), 31.9eV, 82.3min, 1/K0=0.824 #41779
	Cmpd 98901, +MS2(664.0001), 31.9eV, 82.0min, 1/K0=0.801 #41625
	Cmpd 98526, +MS2(664.0005), 31.9eV, 81.9min, 1/K0=0.820 #41559
	Cmpd 99513, +MS2(664.0001), 31.9eV, 82.2min, 1/K0=0.834 #41746
	Cmpd 98335, +MS2(663.9990), 31.9eV, 81.8min, 1/K0=0.823 #41526
	Cmpd 98203, +MS2(664.0002), 31.9eV, 81.779-81.781min, 1/K0=0.825
	Cmpd 99412, +MS2(725.3704), 31.9eV, 82.199-82.201min, 1/K0=0.804
	Cmpd 121240, +MS2(1406.7568), 47.0eV, 88.4min, 1/K0=1.299 #44969
	Cmpd 74595, +MS2(1096.8750), 37.0eV, 73.0min, 1/K0=0.993 #36875
	Cmpd 74754, +MS2(1096.8723), 37.0eV, 73.0min, 1/K0=0.988 #36906
	Cmpd 91487, +MS2(1144.5523), 37.0eV, 79.3min, 1/K0=0.994 #40209
	Cmpd 119457, +MS2(1454.0295), 42.0eV, 88.0min, 1/K0=1.079 #44742
	Cmpd 37256, +MS2(542.8247), 31.9eV, 58.555-58.561min, 1/K0=0.819
	Cmpd 34055, +MS2(542.8255), 31.9eV, 57.2min, 1/K0=0.826 #28568
	Cmpd 99403, +MS2(555.7841), 31.9eV, 82.2min, 1/K0=0.797 #41724
	Cmpd 98821, +MS2(555.8087), 31.9eV, 81.983-81.987min, 1/K0=0.788
	Cmpd 52852, +MS2(585.3257), 31.9eV, 64.897-64.903min, 1/K0=0.842
	Cmpd 52977, +MS2(585.3271), 31.9eV, 65.0min, 1/K0=0.846 #32639

Cmpd 54029, +MS2(585.3297), 31.9eV, 65.4min, 1/K0=0.850 #32861  
Cmpd 34163, +MS2(607.3466), 37.0eV, 57.3min, 1/K0=0.866 #28579  
Cmpd 99038, +MS2(612.3252), 37.0eV, 82.059-82.062min, 1/K0=0.861  
Cmpd 99766, +MS2(612.3289), 31.9eV, 82.336-82.340min, 1/K0=0.836  
Cmpd 34108, +MS2(664.8569), 37.0eV, 57.3min, 1/K0=0.883 #28572  
Cmpd 35084, +MS2(664.8606), 37.0eV, 57.7min, 1/K0=0.917 #28788  
Cmpd 36160, +MS2(664.8608), 37.0eV, 58.1min, 1/K0=0.924 #29030  
Cmpd 34053, +MS2(664.8612), 37.0eV, 57.2min, 1/K0=0.923 #28568  
Cmpd 103494, +MS2(668.8664), 37.0eV, 83.7min, 1/K0=0.895 #42517  
Cmpd 127825, +MS2(668.8685), 37.0eV, 90.859-90.867min, 1/K0=0.88  
Cmpd 129820, +MS2(668.8695), 37.0eV, 91.815-91.823min, 1/K0=0.88  
Cmpd 98712, +MS2(668.8687), 37.0eV, 81.9min, 1/K0=0.896 #41592  
Cmpd 98959, +MS2(668.8690), 37.0eV, 82.0min, 1/K0=0.897 #41636  
Cmpd 105813, +MS2(668.8693), 37.0eV, 84.5min, 1/K0=0.895 #42934  
Cmpd 98623, +MS2(668.8681), 37.0eV, 81.916-81.918min, 1/K0=0.895  
Cmpd 100042, +MS2(668.8698), 37.0eV, 82.4min, 1/K0=0.897 #41856  
Cmpd 102242, +MS2(668.8700), 37.0eV, 83.3min, 1/K0=0.895 #42296  
Cmpd 101110, +MS2(668.8700), 37.0eV, 82.9min, 1/K0=0.897 #42076  
Cmpd 133519, +MS2(668.8705), 37.0eV, 95.4min, 1/K0=0.884 #48629  
Cmpd 128900, +MS2(668.8713), 37.0eV, 91.387-91.391min, 1/K0=0.88  
Cmpd 132129, +MS2(668.8716), 37.0eV, 93.13-93.15min, 1/K0=0.883 #4  
Cmpd 104574, +MS2(668.8719), 37.0eV, 84.1min, 1/K0=0.895 #42715  
Cmpd 113817, +MS2(678.8691), 37.0eV, 86.5min, 1/K0=0.897 #43980  
Cmpd 52896, +MS2(716.3937), 37.0eV, 64.914-64.920min, 1/K0=0.960  
Cmpd 53087, +MS2(716.3955), 37.0eV, 65.0min, 1/K0=0.960 #32661  
Cmpd 54156, +MS2(716.3963), 37.0eV, 65.4min, 1/K0=0.957 #32884  
Cmpd 113816, +MS2(735.4155), 37.0eV, 86.5min, 1/K0=0.962 #43980  
Cmpd 113807, +MS2(808.9492), 37.0eV, 86.5min, 1/K0=1.032 #43979  
Cmpd 114225, +MS2(865.4912), 42.0eV, 86.6min, 1/K0=1.091 #44035  
Cmpd 132328, +MS2(866.9647), 37.0eV, 93.329-93.331min, 1/K0=1.01  
Cmpd 129972, +MS2(866.9658), 37.0eV, 91.889-91.893min, 1/K0=1.02  
Cmpd 133777, +MS2(866.9656), 37.0eV, 95.708-95.715min, 1/K0=1.01  
Cmpd 126636, +MS2(866.9659), 37.0eV, 90.326-90.328min, 1/K0=1.02  
Cmpd 123364, +MS2(866.9659), 37.0eV, 89.0min, 1/K0=1.027 #45277  
Cmpd 124469, +MS2(866.9659), 37.0eV, 89.4min, 1/K0=1.023 #45486  
Cmpd 122036, +MS2(866.9689), 37.0eV, 88.6min, 1/K0=1.033 #45069  
Cmpd 128875, +MS2(866.9683), 37.0eV, 91.376-91.384min, 1/K0=1.02  
Cmpd 120346, +MS2(866.9692), 37.0eV, 88.2min, 1/K0=1.032 #44859  
Cmpd 120414, +MS2(866.9697), 42.0eV, 88.3min, 1/K0=1.062 #44867  
Cmpd 120476, +MS2(866.9710), 42.0eV, 88.3min, 1/K0=1.090 #44873  
Cmpd 115374, +MS2(874.9679), 37.0eV, 86.92-86.93min, 1/K0=1.026 #4  
Cmpd 113920, +MS2(615.3397), 31.9eV, 86.553-86.555min, 1/K0=0.79  
Cmpd 113831, +MS2(922.5138), 42.0eV, 86.5min, 1/K0=1.119 #43982  
Cmpd 117280, +MS2(677.3662), 37.0eV, 87.422-87.425min, 1/K0=0.86  
Cmpd 113893, +MS2(677.3679), 37.0eV, 86.5min, 1/K0=0.856 #43990  
Cmpd 115682, +MS2(677.3664), 37.0eV, 87.0min, 1/K0=0.856 #44223  
Cmpd 113742, +MS2(677.3682), 37.0eV, 86.5min, 1/K0=0.856 #43970  
Cmpd 113971, +MS2(1015.5530), 42.0eV, 86.6min, 1/K0=1.195 #44001

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Cmpd 113711, +MS2(1015.5530), 42.0eV, 86.5min, 1/K0=1.173 #43968  
Cmpd 113900, +MS2(1015.5534), 42.0eV, 86.6min, 1/K0=1.171 #43991  
Cmpd 121945, +MS2(1033.5565), 42.0eV, 88.6min, 1/K0=1.118 #45058  
Cmpd 123298, +MS2(819.4278), 37.0eV, 89.0min, 1/K0=0.948 #45266  
Cmpd 121934, +MS2(819.4305), 37.0eV, 88.6min, 1/K0=0.945 #45057  
Cmpd 121857, +MS2(1228.6407), 47.0eV, 88.6min, 1/K0=1.255 #45047  
Cmpd 121930, +MS2(1228.6422), 47.0eV, 88.6min, 1/K0=1.257 #45057  
Cmpd 121862, +MS2(819.4364), 37.0eV, 88.6min, 1/K0=0.970 #45047  
Cmpd 121912, +MS2(819.4307), 37.0eV, 88.6min, 1/K0=0.947 #45054  
Cmpd 124437, +MS2(1228.6462), 47.0eV, 89.435-89.441min, 1/K0=1.2  
Cmpd 122288, +MS2(819.4329), 37.0eV, 88.708-88.710min, 1/K0=0.97  
Cmpd 123293, +MS2(1228.6463), 47.0eV, 89.0min, 1/K0=1.261 #45266  
Cmpd 122018, +MS2(1294.1599), 47.0eV, 88.6min, 1/K0=1.284 #45068  
Cmpd 123371, +MS2(1294.1641), 47.0eV, 89.048-89.050min, 1/K0=1.2  
Cmpd 119306, +MS2(958.2049), 37.0eV, 87.966-87.970min, 1/K0=1.02  
Cmpd 119437, +MS2(958.2062), 42.0eV, 88.0min, 1/K0=1.108 #44740  
Cmpd 119126, +MS2(958.2079), 42.0eV, 87.907-87.911min, 1/K0=1.10  
Cmpd 123246, +MS2(1017.5524), 37.0eV, 89.0min, 1/K0=1.012 #45256  
Cmpd 16045, +MS2(407.7156), 31.9eV, 47.864-47.866min, 1/K0=0.694  
Cmpd 16038, +MS2(407.7155), 31.9eV, 47.9min, 1/K0=0.677 #23596  
Cmpd 18168, +MS2(407.7156), 31.9eV, 49.147-49.155min, 1/K0=0.678  
Cmpd 16108, +MS2(407.7158), 31.9eV, 47.9min, 1/K0=0.684 #23618  
Cmpd 15890, +MS2(407.7158), 31.9eV, 47.779-47.783min, 1/K0=0.677  
Cmpd 16228, +MS2(407.7160), 31.9eV, 47.966-47.970min, 1/K0=0.696  
Cmpd 9126, +MS2(409.2076), 31.9eV, 43.325-43.330min, 1/K0=0.690 #2  
Cmpd 8313, +MS2(409.2081), 31.9eV, 42.787-42.791min, 1/K0=0.694 #2  
Cmpd 9192, +MS2(409.2081), 31.9eV, 43.37-43.39min, 1/K0=0.687 #2  
Cmpd 8416, +MS2(409.2088), 31.9eV, 42.9min, 1/K0=0.694 #20934  
Cmpd 5327, +MS2(426.2374), 31.9eV, 40.4min, 1/K0=0.734 #19637  
Cmpd 8488, +MS2(466.7215), 31.9eV, 42.911-42.917min, 1/K0=0.713 #2  
Cmpd 7847, +MS2(490.2842), 31.9eV, 42.465-42.467min, 1/K0=0.768 #2  
Cmpd 8415, +MS2(523.2640), 31.9eV, 42.9min, 1/K0=0.771 #20934  
Cmpd 7734, +MS2(539.8192), 31.9eV, 42.407-42.412min, 1/K0=0.818 #2  
Cmpd 6567, +MS2(549.8073), 31.9eV, 41.540-41.542min, 1/K0=0.802 #2  
Cmpd 55527, +MS2(563.8097), 31.9eV, 65.936-65.938min, 1/K0=0.830  
Cmpd 8424, +MS2(381.5288), 31.9eV, 42.860-42.862min, 1/K0=0.697 #2  
Cmpd 8465, +MS2(571.7909), 31.9eV, 42.9min, 1/K0=0.814 #20956  
Cmpd 8473, +MS2(571.7914), 31.9eV, 42.9min, 1/K0=0.782 #20957  
Cmpd 8325, +MS2(571.7919), 31.9eV, 42.8min, 1/K0=0.807 #20901  
Cmpd 8633, +MS2(571.7922), 31.9eV, 43.0min, 1/K0=0.797 #21023  
Cmpd 6747, +MS2(585.3272), 31.9eV, 41.682-41.684min, 1/K0=0.818 #2  
Cmpd 55310, +MS2(621.3255), 37.0eV, 65.850-65.852min, 1/K0=0.863  
Cmpd 55430, +MS2(649.8319), 37.0eV, 65.9min, 1/K0=0.892 #33135  
Cmpd 9588, +MS2(649.8349), 37.0eV, 43.663-43.667min, 1/K0=0.882 #2  
Cmpd 8232, +MS2(649.8351), 37.0eV, 42.72-42.73min, 1/K0=0.890 #2  
Cmpd 9139, +MS2(649.8355), 37.0eV, 43.334-43.336min, 1/K0=0.866 #2  
Cmpd 8280, +MS2(649.8362), 37.0eV, 42.8min, 1/K0=0.892 #20881  
Cmpd 8965, +MS2(649.8367), 37.0eV, 43.2min, 1/K0=0.882 #21132

	Cmpd 8351, +MS2(649.8379), 37.0eV, 42.8min, 1/K0=0.891 #20912
	Cmpd 9855, +MS2(649.8368), 37.0eV, 43.882-43.888min, 1/K0=0.883 #
	Cmpd 120199, +MS2(663.8476), 37.0eV, 88.2min, 1/K0=0.877 #44840
	Cmpd 1119, +MS2(687.8328), 37.0eV, 35.708-35.715min, 1/K0=0.899 #
	Cmpd 55187, +MS2(693.3508), 37.0eV, 65.8min, 1/K0=0.911 #33090
	Cmpd 56317, +MS2(693.3511), 37.0eV, 66.3min, 1/K0=0.916 #33343
	Cmpd 55365, +MS2(693.3520), 37.0eV, 65.9min, 1/K0=0.911 #33123
	Cmpd 120322, +MS2(720.8723), 37.0eV, 88.2min, 1/K0=0.931 #44856
	Cmpd 121779, +MS2(770.4065), 37.0eV, 88.6min, 1/K0=0.970 #45036
	Cmpd 120177, +MS2(770.4071), 37.0eV, 88.2min, 1/K0=1.007 #44838
	Cmpd 120347, +MS2(770.4072), 37.0eV, 88.2min, 1/K0=0.963 #44859
	Cmpd 120097, +MS2(770.4075), 37.0eV, 88.2min, 1/K0=0.972 #44827
	Cmpd 87373, +MS2(919.9665), 42.0eV, 77.697-77.699min, 1/K0=1.085
	Cmpd 89645, +MS2(919.9681), 37.0eV, 78.631-78.637min, 1/K0=1.035
	Cmpd 84091, +MS2(919.9689), 42.0eV, 76.4min, 1/K0=1.088 #38688
	Cmpd 85213, +MS2(919.9678), 42.0eV, 76.8min, 1/K0=1.087 #38909
	Cmpd 84271, +MS2(919.9691), 37.0eV, 76.5min, 1/K0=1.043 #38721
	Cmpd 83127, +MS2(919.9693), 37.0eV, 76.1min, 1/K0=1.051 #38501
	Cmpd 86447, +MS2(919.9701), 37.0eV, 77.3min, 1/K0=1.046 #39163
	Cmpd 85374, +MS2(919.9702), 37.0eV, 76.9min, 1/K0=1.046 #38941
	Cmpd 88511, +MS2(919.9694), 37.0eV, 78.2min, 1/K0=1.044 #39602
	Cmpd 83327, +MS2(919.9707), 42.0eV, 76.1min, 1/K0=1.066 #38534
	Cmpd 82801, +MS2(919.9710), 42.0eV, 75.9min, 1/K0=1.086 #38435
	Cmpd 82954, +MS2(919.9728), 42.0eV, 76.0min, 1/K0=1.088 #38468
	Cmpd 82614, +MS2(919.9716), 37.0eV, 75.877-75.881min, 1/K0=1.045
	Cmpd 86271, +MS2(919.9717), 42.0eV, 77.3min, 1/K0=1.088 #39130
	Cmpd 82847, +MS2(919.9718), 37.0eV, 76.0min, 1/K0=1.047 #38446
	Cmpd 82689, +MS2(919.9720), 37.0eV, 75.9min, 1/K0=1.047 #38413
	Cmpd 82646, +MS2(919.9700), 42.0eV, 75.889-75.891min, 1/K0=1.088
	Cmpd 82899, +MS2(919.9723), 37.0eV, 76.0min, 1/K0=1.033 #38457
	Cmpd 83194, +MS2(919.9727), 37.0eV, 76.1min, 1/K0=1.023 #38513
0.000000000000002000.0	Cmpd 54072, +MS2(927.9669), 37.0eV, 65.389-65.391min, 1/K0=1.040
0.000000000000002000.0	Cmpd 53976, +MS2(927.9691), 42.0eV, 65.356-65.358min, 1/K0=1.094
0.000000000000002000.0	Cmpd 82870, +MS2(927.9684), 42.0eV, 75.977-75.981min, 1/K0=1.088
0.000000000000002000.0	Cmpd 54256, +MS2(927.9651), 37.0eV, 65.5min, 1/K0=1.037 #32903
0.000000000000002000.0	Cmpd 83193, +MS2(927.9662), 42.0eV, 76.1min, 1/K0=1.095 #38513
0.000000000000002000.0	Cmpd 54078, +MS2(927.9670), 42.0eV, 65.4min, 1/K0=1.092 #32871
0.000000000000002000.0	Cmpd 54302, +MS2(927.9669), 42.0eV, 65.5min, 1/K0=1.091 #32913
0.000000000000002000.0	Cmpd 54372, +MS2(927.9670), 37.0eV, 65.5min, 1/K0=1.020 #32926
0.000000000000002000.0	Cmpd 54773, +MS2(927.9674), 42.0eV, 65.6min, 1/K0=1.067 #33001
0.000000000000002000.0	Cmpd 55514, +MS2(927.9677), 42.0eV, 65.9min, 1/K0=1.086 #33156
0.000000000000002000.0	Cmpd 82108, +MS2(927.9613), 42.0eV, 75.674-75.676min, 1/K0=1.093
0.000000000000002000.0	Cmpd 54595, +MS2(927.9679), 37.0eV, 65.6min, 1/K0=1.033 #32968
0.000000000000002000.0	Cmpd 71881, +MS2(927.9664), 42.0eV, 71.98-72.00min, 1/K0=1.098 #
0.000000000000002000.0	Cmpd 82048, +MS2(927.9635), 42.0eV, 75.651-75.655min, 1/K0=1.094
1.000000000000002000.0	Cmpd 31768, +MS2(948.9758), 42.0eV, 56.250-56.257min, 1/K0=1.126
	Cmpd 114981, +MS2(703.7014), 31.9eV, 86.819-86.821min, 1/K0=0.81
	Cmpd 114743, +MS2(1055.0535), 42.0eV, 86.8min, 1/K0=1.139 #4410(

Cmpd 119448, +MS2(831.1085), 37.0eV, 88.0min, 1/K0=1.001 #44741  
Cmpd 115421, +MS2(1020.8747), 42.0eV, 86.9min, 1/K0=1.132 #44188  
Cmpd 115270, +MS2(1020.8751), 42.0eV, 86.9min, 1/K0=1.132 #44167  
Cmpd 10802, +MS2(585.3335), 31.9eV, 44.5min, 1/K0=0.833 #21814  
Cmpd 104700, +MS2(621.8307), 37.0eV, 84.1min, 1/K0=0.886 #42738  
Cmpd 117995, +MS2(639.3251), 37.0eV, 87.6min, 1/K0=0.862 #44529  
Cmpd 48735, +MS2(639.3276), 37.0eV, 63.251-63.253min, 1/K0=0.860  
Cmpd 104521, +MS2(650.3426), 37.0eV, 84.1min, 1/K0=0.909 #42705  
Cmpd 111040, +MS2(677.3729), 37.0eV, 85.829-85.836min, 1/K0=0.94  
Cmpd 78488, +MS2(681.3406), 37.0eV, 74.4min, 1/K0=0.926 #37614  
Cmpd 77375, +MS2(681.3412), 37.0eV, 74.0min, 1/K0=0.917 #37390  
Cmpd 120126, +MS2(681.3671), 37.0eV, 88.2min, 1/K0=0.903 #44830  
Cmpd 120072, +MS2(681.3687), 37.0eV, 88.2min, 1/K0=0.902 #44825  
Cmpd 104620, +MS2(700.8687), 37.0eV, 84.1min, 1/K0=0.962 #42725  
Cmpd 104355, +MS2(700.8693), 37.0eV, 84.004-84.008min, 1/K0=0.95  
Cmpd 84922, +MS2(720.3311), 37.0eV, 76.736-76.738min, 1/K0=0.895  
Cmpd 121130, +MS2(721.3437), 37.0eV, 88.4min, 1/K0=0.892 #44953  
Cmpd 118216, +MS2(731.8837), 37.0eV, 87.7min, 1/K0=0.946 #44557  
Cmpd 105761, +MS2(750.4025), 37.0eV, 84.5min, 1/K0=1.020 #42925  
Cmpd 104351, +MS2(750.4026), 37.0eV, 84.002-84.004min, 1/K0=1.01  
Cmpd 104512, +MS2(750.4040), 37.0eV, 84.1min, 1/K0=1.018 #42704  
Cmpd 119698, +MS2(756.4037), 37.0eV, 88.1min, 1/K0=1.000 #44775  
Cmpd 122075, +MS2(789.3973), 37.0eV, 88.653-88.655min, 1/K0=0.96  
Cmpd 104551, +MS2(806.9461), 42.0eV, 84.077-84.078min, 1/K0=1.08  
Cmpd 110968, +MS2(834.4549), 42.0eV, 85.8min, 1/K0=1.060 #43609  
Cmpd 120980, +MS2(838.3963), 37.0eV, 88.4min, 1/K0=1.002 #44936  
Cmpd 104948, +MS2(575.9896), 31.9eV, 84.210-84.212min, 1/K0=0.81  
Cmpd 104582, +MS2(575.9918), 31.9eV, 84.1min, 1/K0=0.838 #42716  
Cmpd 107468, +MS2(863.4852), 42.0eV, 84.9min, 1/K0=1.142 #43166  
Cmpd 104290, +MS2(863.4855), 42.0eV, 84.0min, 1/K0=1.141 #42661  
Cmpd 104425, +MS2(575.9914), 31.9eV, 84.033-84.035min, 1/K0=0.83  
Cmpd 105959, +MS2(863.4863), 42.0eV, 84.5min, 1/K0=1.140 #42957  
Cmpd 104440, +MS2(863.4873), 42.0eV, 84.0min, 1/K0=1.138 #42692  
Cmpd 104685, +MS2(863.4898), 42.0eV, 84.1min, 1/K0=1.145 #42737  
Cmpd 107961, +MS2(671.7059), 37.0eV, 85.1min, 1/K0=0.919 #43229  
Cmpd 85097, +MS2(783.0301), 31.9eV, 76.806-76.810min, 1/K0=0.837  
Cmpd 85025, +MS2(783.0299), 31.9eV, 76.777-76.779min, 1/K0=0.795  
Cmpd 85077, +MS2(783.0294), 31.9eV, 76.8min, 1/K0=0.792 #38883  
Cmpd 85030, +MS2(783.0306), 31.9eV, 76.781-76.783min, 1/K0=0.839  
Cmpd 71708, +MS2(785.0547), 37.0eV, 71.9min, 1/K0=0.941 #36313  
Cmpd 71509, +MS2(785.0503), 37.0eV, 71.84-71.85min, 1/K0=0.939 #36313  
Cmpd 84645, +MS2(869.7507), 37.0eV, 76.626-76.629min, 1/K0=0.888  
Cmpd 87026, +MS2(869.7515), 37.0eV, 77.564-77.568min, 1/K0=0.889  
Cmpd 85949, +MS2(869.7487), 37.0eV, 77.1min, 1/K0=0.891 #39063  
Cmpd 84985, +MS2(1304.1213), 47.0eV, 76.8min, 1/K0=1.254 #38864  
Cmpd 84886, +MS2(869.7510), 37.0eV, 76.7min, 1/K0=0.891 #38842  
Cmpd 88143, +MS2(869.7510), 37.0eV, 78.0min, 1/K0=0.890 #39523  
Cmpd 85973, +MS2(869.7500), 37.0eV, 77.151-77.153min, 1/K0=0.912



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Cmpd 88179, +MS2(869.7521), 37.0eV, 78.023-78.028min, 1/K0=0.892  
Cmpd 123342, +MS2(1348.1761), 42.0eV, 89.041-89.045min, 1/K0=1.2  
Cmpd 90589, +MS2(926.4745), 37.0eV, 78.969-78.971min, 1/K0=0.902  
Cmpd 89443, +MS2(926.4728), 37.0eV, 78.5min, 1/K0=0.901 #39799  
Cmpd 88519, +MS2(926.4756), 37.0eV, 78.167-78.175min, 1/K0=0.960  
Cmpd 88391, +MS2(926.4751), 31.9eV, 78.114-78.116min, 1/K0=0.835  
Cmpd 92285, +MS2(926.4735), 37.0eV, 79.638-79.640min, 1/K0=0.908  
Cmpd 88172, +MS2(926.4756), 37.0eV, 78.0min, 1/K0=0.903 #39527  
Cmpd 88759, +MS2(926.4768), 37.0eV, 78.3min, 1/K0=0.919 #39656  
Cmpd 88250, +MS2(926.4762), 37.0eV, 78.1min, 1/K0=0.904 #39546  
Cmpd 88410, +MS2(926.4775), 37.0eV, 78.1min, 1/K0=0.904 #39579  
Cmpd 95847, +MS2(937.8087), 37.0eV, 81.016-81.018min, 1/K0=1.001  
Cmpd 82966, +MS2(1172.5810), 42.0eV, 76.0min, 1/K0=1.067 #38469  
Cmpd 95450, +MS2(1215.3063), 42.0eV, 80.9min, 1/K0=1.058 #41032  
Cmpd 95128, +MS2(1215.3076), 37.0eV, 80.8min, 1/K0=1.042 #40976  
Cmpd 95395, +MS2(1215.3093), 37.0eV, 80.9min, 1/K0=1.025 #41021  
Cmpd 29183, +MS2(550.3346), 31.9eV, 54.962-54.964min, 1/K0=0.821  
Cmpd 53592, +MS2(551.8148), 31.9eV, 65.2min, 1/K0=0.803 #32770  
Cmpd 53734, +MS2(551.8151), 31.9eV, 65.3min, 1/K0=0.803 #32803  
Cmpd 44064, +MS2(590.3457), 37.0eV, 61.4min, 1/K0=0.870 #30770  
Cmpd 59804, +MS2(599.2700), 31.9eV, 67.6min, 1/K0=0.830 #34013  
Cmpd 59969, +MS2(599.2709), 31.9eV, 67.6min, 1/K0=0.819 #34047  
Cmpd 59812, +MS2(599.2702), 31.9eV, 67.557-67.559min, 1/K0=0.800  
Cmpd 61089, +MS2(599.2716), 31.9eV, 68.0min, 1/K0=0.824 #34266  
Cmpd 43414, +MS2(607.2677), 31.9eV, 61.185-61.189min, 1/K0=0.839  
Cmpd 121781, +MS2(607.8634), 37.0eV, 88.6min, 1/K0=0.858 #45036  
Cmpd 954, +MS2(612.2844), 31.9eV, 35.230-35.236min, 1/K0=0.834 #:  
Cmpd 27024, +MS2(625.8334), 37.0eV, 53.8min, 1/K0=0.863 #26742  
Cmpd 45113, +MS2(636.3278), 31.9eV, 61.8min, 1/K0=0.833 #30957  
Cmpd 33145, +MS2(652.8317), 31.9eV, 56.8min, 1/K0=0.856 #28351  
Cmpd 929, +MS2(677.8036), 37.0eV, 35.157-35.163min, 1/K0=0.875 #:  
Cmpd 26991, +MS2(690.3530), 37.0eV, 53.8min, 1/K0=0.912 #26732  
Cmpd 29063, +MS2(700.8766), 37.0eV, 54.916-54.920min, 1/K0=0.930  
Cmpd 29166, +MS2(700.8786), 37.0eV, 55.0min, 1/K0=0.934 #27359  
Cmpd 26720, +MS2(733.8676), 37.0eV, 53.631-53.635min, 1/K0=0.921  
Cmpd 26814, +MS2(733.8680), 37.0eV, 53.7min, 1/K0=0.921 #26688  
Cmpd 27991, +MS2(733.8683), 37.0eV, 54.3min, 1/K0=0.923 #27028  
Cmpd 26937, +MS2(733.8694), 37.0eV, 53.8min, 1/K0=0.922 #26720  
Cmpd 26938, +MS2(733.8701), 37.0eV, 53.75-53.77min, 1/K0=0.869 #:  
Cmpd 26992, +MS2(733.8717), 37.0eV, 53.78-53.79min, 1/K0=0.864 #:  
Cmpd 27268, +MS2(733.8721), 37.0eV, 53.9min, 1/K0=0.938 #26808  
Cmpd 27148, +MS2(733.8724), 37.0eV, 53.9min, 1/K0=0.885 #26775  
Cmpd 29053, +MS2(764.9245), 37.0eV, 54.915-54.918min, 1/K0=0.962  
Cmpd 29254, +MS2(510.2856), 31.9eV, 55.0min, 1/K0=0.754 #27380  
Cmpd 29154, +MS2(764.9265), 37.0eV, 55.0min, 1/K0=0.970 #27358  
Cmpd 110148, +MS2(525.2809), 31.9eV, 85.608-85.613min, 1/K0=0.71  
Cmpd 39700, +MS2(525.2822), 31.9eV, 59.6min, 1/K0=0.717 #29833  
Cmpd 39262, +MS2(525.2838), 31.9eV, 59.43-59.44min, 1/K0=0.719 #:

	Cmpd 39176, +MS2(525.2825), 31.9eV, 59.39-59.41min, 1/K0=0.715 #1
	Cmpd 111135, +MS2(830.9130), 37.0eV, 85.860-85.862min, 1/K0=0.97
	Cmpd 111245, +MS2(830.9138), 37.0eV, 85.9min, 1/K0=0.981 #43650
	Cmpd 22502, +MS2(834.8836), 37.0eV, 51.45-51.46min, 1/K0=1.012 #1
	Cmpd 110010, +MS2(865.4478), 37.0eV, 85.6min, 1/K0=1.025 #43488
	Cmpd 22509, +MS2(594.6193), 31.9eV, 51.5min, 1/K0=0.783 #25500
	Cmpd 22321, +MS2(891.4254), 37.0eV, 51.327-51.336min, 1/K0=1.051
	Cmpd 77987, +MS2(895.4330), 37.0eV, 74.20-74.21min, 1/K0=1.021 #1
	Cmpd 11578, +MS2(598.2998), 31.9eV, 45.021-45.025min, 1/K0=0.767
	Cmpd 11718, +MS2(598.3008), 31.9eV, 45.1min, 1/K0=0.766 #22134
	Cmpd 87631, +MS2(915.9549), 37.0eV, 77.8min, 1/K0=1.029 #39414
	Cmpd 88665, +MS2(915.9604), 37.0eV, 78.2min, 1/K0=1.016 #39636
	Cmpd 85553, +MS2(915.9596), 37.0eV, 77.0min, 1/K0=1.019 #38974
	Cmpd 85163, +MS2(915.9598), 37.0eV, 76.8min, 1/K0=1.026 #38899
	Cmpd 85388, +MS2(915.9598), 37.0eV, 76.9min, 1/K0=1.009 #38943
	Cmpd 85495, +MS2(915.9605), 37.0eV, 77.0min, 1/K0=1.022 #38963
	Cmpd 86588, +MS2(915.9605), 37.0eV, 77.4min, 1/K0=1.020 #39194
	Cmpd 85709, +MS2(915.9620), 37.0eV, 77.0min, 1/K0=1.038 #39007
	Cmpd 110199, +MS2(921.9925), 42.0eV, 85.621-85.627min, 1/K0=1.08
0.00000000000020000.0	Cmpd 78364, +MS2(951.4543), 37.0eV, 74.340-74.342min, 1/K0=1.046
0.00000000000020000.0	Cmpd 76979, +MS2(951.4603), 37.0eV, 73.8min, 1/K0=1.049 #37314
0.00000000000020000.0	Cmpd 77266, +MS2(951.4612), 37.0eV, 73.9min, 1/K0=1.050 #37369
0.0200000000000000000.0	Cmpd 105114, +MS2(997.4652), 42.0eV, 84.3min, 1/K0=1.067 #42813
0.0200000000000000000.0	Cmpd 104810, +MS2(997.4655), 42.0eV, 84.2min, 1/K0=1.068 #42758
0.0200000000000000000.0	Cmpd 104645, +MS2(997.4632), 42.0eV, 84.113-84.115min, 1/K0=1.06
0.2000000000000000000.0	Cmpd 95093, +MS2(673.3268), 31.9eV, 80.756-80.758min, 1/K0=0.781
	Cmpd 110054, +MS2(1050.5420), 42.0eV, 85.6min, 1/K0=1.145 #43495
	Cmpd 109900, +MS2(1050.5404), 42.0eV, 85.5min, 1/K0=1.136 #43476
	Cmpd 33246, +MS2(701.3640), 31.9eV, 56.884-56.888min, 1/K0=0.817
	Cmpd 121776, +MS2(1093.0550), 42.0eV, 88.6min, 1/K0=1.115 #45036
	Cmpd 33942, +MS2(793.4164), 37.0eV, 57.2min, 1/K0=0.886 #28549
	Cmpd 32745, +MS2(793.4151), 37.0eV, 56.674-56.678min, 1/K0=0.882
	Cmpd 33527, +MS2(793.4187), 31.9eV, 57.0min, 1/K0=0.855 #28447
	Cmpd 33051, +MS2(793.4169), 37.0eV, 56.8min, 1/K0=0.880 #28328
	Cmpd 114707, +MS2(870.4248), 37.0eV, 86.7min, 1/K0=0.879 #44093
	Cmpd 114415, +MS2(870.4251), 37.0eV, 86.7min, 1/K0=0.893 #44058
	Cmpd 114568, +MS2(870.4242), 37.0eV, 86.7min, 1/K0=0.893 #44078
	Cmpd 39776, +MS2(883.1454), 37.0eV, 59.666-59.676min, 1/K0=0.922
	Cmpd 119741, +MS2(888.1561), 37.0eV, 88.1min, 1/K0=0.965 #44782
	Cmpd 31538, +MS2(522.2531), 31.9eV, 56.134-56.138min, 1/K0=0.762
	Cmpd 64506, +MS2(659.3240), 37.0eV, 69.4min, 1/K0=0.922 #34977
	Cmpd 64552, +MS2(659.3243), 37.0eV, 69.4min, 1/K0=0.923 #34984
	Cmpd 74029, +MS2(662.2848), 37.0eV, 72.8min, 1/K0=0.861 #36765
	Cmpd 64598, +MS2(702.8400), 37.0eV, 69.4min, 1/K0=0.957 #34992
	Cmpd 64390, +MS2(702.8410), 37.0eV, 69.340-69.342min, 1/K0=0.959
	Cmpd 65744, +MS2(702.8411), 37.0eV, 69.828-69.830min, 1/K0=0.959
	Cmpd 64477, +MS2(766.8703), 37.0eV, 69.369-69.371min, 1/K0=0.989
	Cmpd 65630, +MS2(766.8726), 37.0eV, 69.8min, 1/K0=0.995 #35192

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Cmpd 112109, +MS2(767.3850), 37.0eV, 86.104-86.106min, 1/K0=0.95  
Cmpd 42193, +MS2(793.8901), 37.0eV, 60.6min, 1/K0=0.946 #30361  
Cmpd 42033, +MS2(793.8924), 37.0eV, 60.6min, 1/K0=0.946 #30328  
Cmpd 114482, +MS2(531.9110), 31.9eV, 86.699-86.701min, 1/K0=0.78  
Cmpd 114334, +MS2(797.3714), 37.0eV, 86.7min, 1/K0=0.974 #44048  
Cmpd 26451, +MS2(801.8883), 37.0eV, 53.480-53.482min, 1/K0=0.955  
Cmpd 25960, +MS2(801.8880), 37.0eV, 53.257-53.259min, 1/K0=0.944  
Cmpd 65916, +MS2(840.4058), 42.0eV, 69.88-69.89min, 1/K0=1.054 #44048  
Cmpd 64713, +MS2(840.4062), 37.0eV, 69.5min, 1/K0=1.040 #35014  
Cmpd 66003, +MS2(840.4076), 42.0eV, 69.896-69.900min, 1/K0=1.057  
Cmpd 64476, +MS2(840.4087), 37.0eV, 69.369-69.371min, 1/K0=1.036  
Cmpd 64453, +MS2(840.4100), 37.0eV, 69.4min, 1/K0=1.034 #34969  
Cmpd 114539, +MS2(853.9129), 37.0eV, 86.7min, 1/K0=1.033 #44074  
Cmpd 64798, +MS2(897.9170), 42.0eV, 69.483-69.490min, 1/K0=1.087  
Cmpd 116806, +MS2(899.4587), 42.0eV, 87.297-87.299min, 1/K0=1.08  
Cmpd 114332, +MS2(904.4384), 42.0eV, 86.7min, 1/K0=1.069 #44048  
Cmpd 121603, +MS2(928.5125), 42.0eV, 88.5min, 1/K0=1.118 #45013  
Cmpd 64768, +MS2(632.6277), 31.9eV, 69.5min, 1/K0=0.849 #35025  
Cmpd 64407, +MS2(632.6278), 31.9eV, 69.3min, 1/K0=0.849 #34959  
Cmpd 64295, +MS2(948.4427), 42.0eV, 69.312-69.316min, 1/K0=1.098  
Cmpd 64656, +MS2(948.4417), 42.0eV, 69.4min, 1/K0=1.089 #35003  
Cmpd 64402, +MS2(948.4429), 42.0eV, 69.3min, 1/K0=1.097 #34959  
Cmpd 73695, +MS2(979.0047), 37.0eV, 72.662-72.667min, 1/K0=1.045  
Cmpd 121639, +MS2(985.0528), 42.0eV, 88.538-88.540min, 1/K0=1.17  
Cmpd 114997, +MS2(1018.5126), 42.0eV, 86.8min, 1/K0=1.126 #44132  
Cmpd 115060, +MS2(1018.5129), 42.0eV, 86.841-86.843min, 1/K0=1.1  
Cmpd 121615, +MS2(1020.5729), 42.0eV, 88.5min, 1/K0=1.196 #45014  
Cmpd 105889, +MS2(682.6567), 31.9eV, 84.524-84.526min, 1/K0=0.79  
Cmpd 114322, +MS2(1034.5118), 42.0eV, 86.7min, 1/K0=1.105 #44047  
Cmpd 110905, +MS2(1044.5115), 42.0eV, 85.792-85.794min, 1/K0=1.1  
Cmpd 111003, +MS2(1044.5123), 42.0eV, 85.8min, 1/K0=1.148 #43616  
Cmpd 105917, +MS2(715.6800), 31.9eV, 84.5min, 1/K0=0.835 #42949  
Cmpd 121607, +MS2(733.4053), 37.0eV, 88.5min, 1/K0=0.900 #45013  
Cmpd 121601, +MS2(1099.6038), 42.0eV, 88.5min, 1/K0=1.249 #45013  
Cmpd 121517, +MS2(1099.6035), 42.0eV, 88.5min, 1/K0=1.248 #45002  
Cmpd 105907, +MS2(764.7045), 37.0eV, 84.5min, 1/K0=0.866 #42948  
Cmpd 95401, +MS2(767.7188), 37.0eV, 80.9min, 1/K0=0.951 #41022  
Cmpd 95694, +MS2(767.7213), 37.0eV, 81.0min, 1/K0=0.948 #41075  
Cmpd 112003, +MS2(769.7199), 37.0eV, 86.1min, 1/K0=0.935 #43748  
Cmpd 111920, +MS2(769.7203), 37.0eV, 86.1min, 1/K0=0.919 #43737  
Cmpd 111749, +MS2(769.7209), 37.0eV, 86.0min, 1/K0=0.922 #43715  
Cmpd 46964, +MS2(776.0228), 37.0eV, 62.575-62.577min, 1/K0=0.956  
Cmpd 106125, +MS2(911.4368), 37.0eV, 84.6min, 1/K0=0.933 #42979  
Cmpd 105843, +MS2(911.4384), 37.0eV, 84.508-84.512min, 1/K0=0.93  
Cmpd 113304, +MS2(950.1512), 42.0eV, 86.4min, 1/K0=1.100 #43914  
Cmpd 105952, +MS2(1069.5340), 37.0eV, 84.5min, 1/K0=1.008 #42956  
Cmpd 31396, +MS2(463.2808), 31.9eV, 56.068-56.074min, 1/K0=0.745  
Cmpd 33681, +MS2(527.8033), 31.9eV, 57.082-57.088min, 1/K0=0.780

	Cmpd 31670, +MS2(577.3385), 31.9eV, 56.2min, 1/K0=0.821 #28018
	Cmpd 80055, +MS2(603.8085), 31.9eV, 74.929-74.931min, 1/K0=0.828
	Cmpd 31502, +MS2(626.8733), 37.0eV, 56.1min, 1/K0=0.872 #27974
	Cmpd 32426, +MS2(626.8737), 37.0eV, 56.539-56.541min, 1/K0=0.875
	Cmpd 31351, +MS2(626.8755), 37.0eV, 56.0min, 1/K0=0.871 #27934
	Cmpd 14468, +MS2(628.8248), 37.0eV, 46.8min, 1/K0=0.877 #23057
	Cmpd 12273, +MS2(628.8248), 37.0eV, 45.526-45.528min, 1/K0=0.875
	Cmpd 12314, +MS2(628.8251), 37.0eV, 45.6min, 1/K0=0.877 #22375
	Cmpd 13116, +MS2(628.8254), 31.9eV, 46.0min, 1/K0=0.827 #22628
	Cmpd 13077, +MS2(628.8258), 37.0eV, 46.0min, 1/K0=0.878 #22617
	Cmpd 12411, +MS2(628.8270), 31.9eV, 45.6min, 1/K0=0.828 #22408
	Cmpd 12369, +MS2(628.8275), 37.0eV, 45.6min, 1/K0=0.879 #22397
	Cmpd 88876, +MS2(682.8438), 37.0eV, 78.3min, 1/K0=0.884 #39677
	Cmpd 80097, +MS2(682.8442), 37.0eV, 74.9min, 1/K0=0.884 #37907
	Cmpd 79868, +MS2(682.8442), 37.0eV, 74.9min, 1/K0=0.881 #37863
	Cmpd 88900, +MS2(682.8448), 37.0eV, 78.3min, 1/K0=0.884 #39680
	Cmpd 84639, +MS2(682.8452), 37.0eV, 76.6min, 1/K0=0.885 #38789
	Cmpd 89682, +MS2(682.8461), 37.0eV, 78.645-78.646min, 1/K0=0.883
	Cmpd 83487, +MS2(682.8463), 37.0eV, 76.2min, 1/K0=0.889 #38567
	Cmpd 86763, +MS2(682.8464), 37.0eV, 77.5min, 1/K0=0.880 #39229
	Cmpd 78688, +MS2(682.8469), 37.0eV, 74.473-74.479min, 1/K0=0.878
	Cmpd 92776, +MS2(682.8470), 37.0eV, 79.82-79.83min, 1/K0=0.885 #4
	Cmpd 91596, +MS2(682.8471), 37.0eV, 79.359-79.363min, 1/K0=0.889
	Cmpd 85712, +MS2(682.8477), 37.0eV, 77.0min, 1/K0=0.883 #39007
	Cmpd 82400, +MS2(682.8480), 37.0eV, 75.8min, 1/K0=0.886 #38347
	Cmpd 87810, +MS2(682.8484), 37.0eV, 77.9min, 1/K0=0.886 #39448
	Cmpd 81247, +MS2(682.8477), 37.0eV, 75.4min, 1/K0=0.882 #38127
	Cmpd 49051, +MS2(687.3432), 37.0eV, 63.4min, 1/K0=0.885 #31813
	Cmpd 48974, +MS2(687.3433), 37.0eV, 63.350-63.351min, 1/K0=0.882
0.0000002000000.0	Cmpd 58883, +MS2(690.8422), 37.0eV, 67.2min, 1/K0=0.894 #33827
0.0000002000000.0	Cmpd 55895, +MS2(690.8445), 31.9eV, 66.093-66.095min, 1/K0=0.815
0.0000002000000.0	Cmpd 59968, +MS2(690.8444), 37.0eV, 67.6min, 1/K0=0.892 #34047
0.0000002000000.0	Cmpd 73784, +MS2(690.8441), 37.0eV, 72.7min, 1/K0=0.893 #36721
0.0000002000000.0	Cmpd 71953, +MS2(690.8441), 37.0eV, 72.0min, 1/K0=0.895 #36364
0.0000002000000.0	Cmpd 74991, +MS2(690.8449), 37.0eV, 73.1min, 1/K0=0.892 #36950
0.0000002000000.0	Cmpd 55936, +MS2(690.8449), 31.9eV, 66.110-66.112min, 1/K0=0.826
0.0000002000000.0	Cmpd 79884, +MS2(690.8450), 37.0eV, 74.9min, 1/K0=0.890 #37865
0.0000002000000.0	Cmpd 61097, +MS2(690.8451), 37.0eV, 68.0min, 1/K0=0.891 #34267
0.0000002000000.0	Cmpd 55980, +MS2(690.8452), 31.9eV, 66.125-66.129min, 1/K0=0.842
0.0000002000000.0	Cmpd 56770, +MS2(690.8455), 37.0eV, 66.5min, 1/K0=0.891 #33441
0.0000002000000.0	Cmpd 82863, +MS2(690.8458), 37.0eV, 76.0min, 1/K0=0.891 #38448
0.0000002000000.0	Cmpd 55607, +MS2(690.8460), 37.0eV, 66.0min, 1/K0=0.894 #33178
0.0000002000000.0	Cmpd 55809, +MS2(690.8460), 37.0eV, 66.1min, 1/K0=0.894 #33221
0.0000002000000.0	Cmpd 77384, +MS2(690.8471), 37.0eV, 74.0min, 1/K0=0.891 #37391
0.0000002000000.0	Cmpd 76089, +MS2(690.8469), 37.0eV, 73.55-73.56min, 1/K0=0.892 #3
0.0000002000000.0	Cmpd 72132, +MS2(690.8660), 37.0eV, 72.1min, 1/K0=0.900 #36400
1.0000002000000.0	Cmpd 29836, +MS2(711.8594), 37.0eV, 55.292-55.294min, 1/K0=0.914
1.0000002000000.0	Cmpd 29778, +MS2(711.8595), 37.0eV, 55.264-55.266min, 1/K0=0.914

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Cmpd 29965, +MS2(711.8603), 37.0eV, 55.368-55.369min, 1/K0=0.915  
Cmpd 32799, +MS2(716.3692), 37.0eV, 56.698-56.700min, 1/K0=0.884  
Cmpd 75675, +MS2(760.8781), 37.0eV, 73.392-73.394min, 1/K0=0.934  
Cmpd 36770, +MS2(780.3987), 37.0eV, 58.354-58.358min, 1/K0=0.961  
Cmpd 36220, +MS2(780.3970), 37.0eV, 58.1min, 1/K0=0.956 #29042  
Cmpd 36210, +MS2(780.3972), 37.0eV, 58.1min, 1/K0=0.942 #29041  
Cmpd 36351, +MS2(780.3976), 37.0eV, 58.2min, 1/K0=0.957 #29075  
Cmpd 37402, +MS2(780.3977), 37.0eV, 58.6min, 1/K0=0.953 #29295  
Cmpd 36342, +MS2(780.3977), 37.0eV, 58.2min, 1/K0=0.945 #29074  
Cmpd 23919, +MS2(830.9321), 37.0eV, 52.2min, 1/K0=0.985 #25906  
Cmpd 25561, +MS2(830.9344), 37.0eV, 53.0min, 1/K0=0.982 #26346  
Cmpd 23696, +MS2(830.9348), 37.0eV, 52.1min, 1/K0=0.981 #25851  
Cmpd 23600, +MS2(830.9349), 37.0eV, 52.1min, 1/K0=0.980 #25829  
Cmpd 24766, +MS2(830.9353), 37.0eV, 52.6min, 1/K0=0.988 #26127  
Cmpd 88516, +MS2(875.9229), 37.0eV, 78.165-78.167min, 1/K0=1.031  
Cmpd 53884, +MS2(591.0045), 31.9eV, 65.3min, 1/K0=0.745 #32836  
Cmpd 55353, +MS2(893.9617), 37.0eV, 65.9min, 1/K0=1.031 #33122  
Cmpd 56119, +MS2(893.9626), 37.0eV, 66.2min, 1/K0=1.011 #33298  
Cmpd 54879, +MS2(893.9635), 37.0eV, 65.7min, 1/K0=1.015 #33023  
Cmpd 55022, +MS2(893.9642), 37.0eV, 65.7min, 1/K0=1.014 #33056  
Cmpd 54783, +MS2(893.9648), 37.0eV, 65.6min, 1/K0=1.015 #33002  
Cmpd 55807, +MS2(893.9656), 37.0eV, 66.1min, 1/K0=1.026 #33221  
Cmpd 53952, +MS2(624.0273), 31.9eV, 65.347-65.349min, 1/K0=0.797  
Cmpd 48628, +MS2(657.7231), 31.9eV, 63.206-63.209min, 1/K0=0.812  
Cmpd 48803, +MS2(657.7212), 31.9eV, 63.3min, 1/K0=0.813 #31758  
Cmpd 119345, +MS2(1179.0676), 42.0eV, 88.0min, 1/K0=1.212 #44728  
Cmpd 119371, +MS2(786.3801), 37.0eV, 88.0min, 1/K0=0.966 #44730  
Cmpd 119283, +MS2(1179.0695), 42.0eV, 88.0min, 1/K0=1.211 #44717  
Cmpd 64716, +MS2(589.3114), 31.9eV, 69.451-69.452min, 1/K0=0.854  
Cmpd 79427, +MS2(595.8455), 31.9eV, 74.727-74.729min, 1/K0=0.825  
Cmpd 95408, +MS2(604.2654), 31.9eV, 80.860-80.870min, 1/K0=0.814  
Cmpd 95366, +MS2(653.7999), 31.9eV, 80.847-80.849min, 1/K0=0.848  
Cmpd 79349, +MS2(688.3860), 37.0eV, 74.7min, 1/K0=0.892 #37781  
Cmpd 80456, +MS2(688.3861), 37.0eV, 75.075-75.077min, 1/K0=0.907  
Cmpd 79077, +MS2(688.3874), 37.0eV, 74.6min, 1/K0=0.909 #37733  
Cmpd 79173, +MS2(688.3882), 37.0eV, 74.7min, 1/K0=0.909 #37753  
Cmpd 81627, +MS2(688.3882), 37.0eV, 75.503-75.505min, 1/K0=0.901  
Cmpd 21850, +MS2(691.3474), 37.0eV, 51.0min, 1/K0=0.883 #25279  
Cmpd 22197, +MS2(691.3485), 37.0eV, 51.3min, 1/K0=0.885 #25400  
Cmpd 22356, +MS2(691.3493), 37.0eV, 51.347-51.349min, 1/K0=0.908  
Cmpd 25056, +MS2(691.3509), 37.0eV, 52.777-52.785min, 1/K0=0.891  
Cmpd 76685, +MS2(722.8575), 37.0eV, 73.72-73.73min, 1/K0=0.871 #4  
Cmpd 95461, +MS2(738.8566), 37.0eV, 80.88-80.89min, 1/K0=0.902 #4  
Cmpd 76605, +MS2(830.4082), 37.0eV, 73.7min, 1/K0=0.953 #37249  
Cmpd 76558, +MS2(879.9426), 37.0eV, 73.7min, 1/K0=0.996 #37244  
Cmpd 95327, +MS2(908.9628), 37.0eV, 80.8min, 1/K0=1.015 #41009  
Cmpd 76594, +MS2(964.9971), 37.0eV, 73.7min, 1/K0=1.045 #37248  
Cmpd 112826, +MS2(1147.0704), 42.0eV, 86.283-86.291min, 1/K0=1.1

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	Cmpd 108635, +MS2(942.8282), 42.0eV, 85.231-85.235min, 1/K0=1.08
	Cmpd 108758, +MS2(942.8293), 42.0eV, 85.3min, 1/K0=1.082 #43330
	Cmpd 94924, +MS2(1460.1983), 47.0eV, 80.699-80.706min, 1/K0=1.28
	Cmpd 96811, +MS2(1460.2009), 47.0eV, 81.3min, 1/K0=1.261 #41272
	Cmpd 95439, +MS2(1460.1992), 47.0eV, 80.9min, 1/K0=1.298 #41031
	Cmpd 96868, +MS2(1460.2033), 47.0eV, 81.352-81.356min, 1/K0=1.26
	Cmpd 95504, +MS2(1460.2013), 47.0eV, 80.898-80.904min, 1/K0=1.25
	Cmpd 95215, +MS2(1460.2023), 47.0eV, 80.800-80.805min, 1/K0=1.27
	Cmpd 95552, +MS2(1460.2022), 47.0eV, 80.9min, 1/K0=1.281 #41053
	Cmpd 94921, +MS2(973.8102), 37.0eV, 80.695-80.699min, 1/K0=0.948
	Cmpd 95666, +MS2(973.8070), 37.0eV, 80.950-80.952min, 1/K0=0.974
	Cmpd 95444, +MS2(973.8081), 37.0eV, 80.9min, 1/K0=0.953 #41031
	Cmpd 95481, +MS2(973.8104), 37.0eV, 80.891-80.893min, 1/K0=1.020
	Cmpd 94863, +MS2(973.8058), 37.0eV, 80.671-80.673min, 1/K0=0.938
	Cmpd 95580, +MS2(973.8104), 37.0eV, 80.9min, 1/K0=0.969 #41055
	Cmpd 76151, +MS2(1124.5674), 37.0eV, 73.6min, 1/K0=0.991 #37182
	Cmpd 78023, +MS2(1124.5659), 37.0eV, 74.2min, 1/K0=0.992 #37522
	Cmpd 76914, +MS2(1124.5689), 37.0eV, 73.8min, 1/K0=0.975 #37302
	Cmpd 76322, +MS2(1124.5661), 37.0eV, 73.617-73.620min, 1/K0=0.91
	Cmpd 76051, +MS2(1124.5641), 37.0eV, 73.537-73.539min, 1/K0=0.99
	Cmpd 77345, +MS2(1154.5697), 37.0eV, 73.951-73.955min, 1/K0=0.98
	Cmpd 47609, +MS2(472.3058), 31.9eV, 62.8min, 1/K0=0.767 #31494
	Cmpd 2797, +MS2(489.7880), 31.9eV, 37.9min, 1/K0=0.790 #18305
	Cmpd 49631, +MS2(507.8238), 31.9eV, 63.622-63.626min, 1/K0=0.793
	Cmpd 47617, +MS2(507.8239), 31.9eV, 62.8min, 1/K0=0.790 #31495
	Cmpd 47365, +MS2(507.8240), 31.9eV, 62.706-62.709min, 1/K0=0.787
	Cmpd 47807, +MS2(571.8537), 31.9eV, 62.865-62.871min, 1/K0=0.848
	Cmpd 107904, +MS2(583.3080), 37.0eV, 85.1min, 1/K0=0.865 #43221
	Cmpd 107745, +MS2(583.3095), 37.0eV, 85.015-85.021min, 1/K0=0.86
0.0000020000.0	Cmpd 76823, +MS2(591.3052), 37.0eV, 73.769-73.771min, 1/K0=0.862
	Cmpd 55417, +MS2(593.7981), 37.0eV, 65.9min, 1/K0=0.860 #33133
	Cmpd 55425, +MS2(593.7981), 31.9eV, 65.9min, 1/K0=0.834 #33134
	Cmpd 55246, +MS2(593.7984), 37.0eV, 65.8min, 1/K0=0.859 #33101
	Cmpd 55256, +MS2(593.7985), 31.9eV, 65.8min, 1/K0=0.835 #33102
	Cmpd 56370, +MS2(593.7991), 31.9eV, 66.3min, 1/K0=0.830 #33353
	Cmpd 61047, +MS2(593.7989), 37.0eV, 68.0min, 1/K0=0.857 #34257
	Cmpd 56379, +MS2(593.7994), 37.0eV, 66.3min, 1/K0=0.859 #33354
	Cmpd 55139, +MS2(593.7994), 37.0eV, 65.8min, 1/K0=0.860 #33080
0.0002000000.0	Cmpd 28684, +MS2(601.7934), 37.0eV, 54.7min, 1/K0=0.861 #27237
0.0002000000.0	Cmpd 29541, +MS2(601.7963), 37.0eV, 55.1min, 1/K0=0.864 #27457
0.0002000000.0	Cmpd 55698, +MS2(601.7965), 31.9eV, 66.0min, 1/K0=0.847 #33199
0.0002000000.0	Cmpd 28385, +MS2(601.7965), 31.9eV, 54.6min, 1/K0=0.847 #27149
0.0002000000.0	Cmpd 28356, +MS2(601.7968), 37.0eV, 54.5min, 1/K0=0.863 #27138
	Cmpd 107728, +MS2(618.8282), 37.0eV, 85.0min, 1/K0=0.901 #43199
	Cmpd 107892, +MS2(618.8282), 37.0eV, 85.1min, 1/K0=0.903 #43220
	Cmpd 100263, +MS2(625.8302), 37.0eV, 82.5min, 1/K0=0.872 #41902
	Cmpd 47242, +MS2(628.8764), 37.0eV, 62.7min, 1/K0=0.899 #31436
	Cmpd 49916, +MS2(628.8765), 37.0eV, 63.7min, 1/K0=0.893 #32000

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Cmpd 47900, +MS2(628.8766), 37.0eV, 62.9min, 1/K0=0.901 #31560  
Cmpd 47504, +MS2(628.8769), 37.0eV, 62.7min, 1/K0=0.902 #31475  
Cmpd 48901, +MS2(628.8772), 37.0eV, 63.3min, 1/K0=0.893 #31780  
Cmpd 50978, +MS2(628.8772), 37.0eV, 64.2min, 1/K0=0.895 #32221  
Cmpd 107762, +MS2(675.3721), 37.0eV, 85.0min, 1/K0=0.963 #43204  
Cmpd 107891, +MS2(675.3722), 37.0eV, 85.1min, 1/K0=0.965 #43220  
Cmpd 79519, +MS2(698.3113), 37.0eV, 74.750-74.752min, 1/K0=0.888  
Cmpd 77905, +MS2(698.3116), 37.0eV, 74.2min, 1/K0=0.882 #37500  
Cmpd 77517, +MS2(698.3124), 37.0eV, 74.019-74.021min, 1/K0=0.882  
Cmpd 111175, +MS2(760.4253), 37.0eV, 85.9min, 1/K0=1.039 #43640  
Cmpd 107726, +MS2(760.4255), 37.0eV, 85.0min, 1/K0=1.038 #43199  
Cmpd 109530, +MS2(760.4254), 37.0eV, 85.5min, 1/K0=1.036 #43430  
Cmpd 107890, +MS2(760.4255), 37.0eV, 85.1min, 1/K0=1.038 #43220  
Cmpd 76971, +MS2(768.4237), 37.0eV, 73.8min, 1/K0=1.040 #37313  
Cmpd 77576, +MS2(804.3881), 37.0eV, 74.042-74.044min, 1/K0=0.985  
Cmpd 82402, +MS2(593.2916), 31.9eV, 75.782-75.786min, 1/K0=0.765  
Cmpd 77755, +MS2(593.2921), 31.9eV, 74.1min, 1/K0=0.765 #37467  
Cmpd 77488, +MS2(593.2934), 31.9eV, 74.0min, 1/K0=0.765 #37412  
Cmpd 77324, +MS2(593.2917), 31.9eV, 73.943-73.945min, 1/K0=0.765  
Cmpd 78822, +MS2(593.2934), 31.9eV, 74.5min, 1/K0=0.765 #37688  
Cmpd 78764, +MS2(889.4407), 37.0eV, 74.5min, 1/K0=1.042 #37676  
Cmpd 82346, +MS2(889.4424), 37.0eV, 75.8min, 1/K0=1.048 #38336  
Cmpd 77429, +MS2(889.4424), 37.0eV, 74.0min, 1/K0=1.047 #37401  
Cmpd 80036, +MS2(889.4430), 37.0eV, 74.9min, 1/K0=1.047 #37896  
Cmpd 76781, +MS2(889.4458), 37.0eV, 73.8min, 1/K0=1.043 #37280  
Cmpd 77808, +MS2(889.4452), 37.0eV, 74.1min, 1/K0=1.026 #37478  
Cmpd 77601, +MS2(889.4463), 37.0eV, 74.0min, 1/K0=1.047 #37435  
Cmpd 76358, +MS2(654.9965), 31.9eV, 73.630-73.632min, 1/K0=0.779  
Cmpd 76430, +MS2(654.9987), 31.9eV, 73.7min, 1/K0=0.814 #37225  
Cmpd 77712, +MS2(654.9995), 31.9eV, 74.1min, 1/K0=0.815 #37458  
Cmpd 76159, +MS2(655.0018), 31.9eV, 73.571-73.573min, 1/K0=0.814  
Cmpd 76242, +MS2(982.0001), 42.0eV, 73.6min, 1/K0=1.088 #37196  
Cmpd 120533, +MS2(1172.5824), 42.0eV, 88.3min, 1/K0=1.245 #44881  
Cmpd 120558, +MS2(1172.5846), 42.0eV, 88.3min, 1/K0=1.224 #44883  
Cmpd 113237, +MS2(834.7548), 37.0eV, 86.4min, 1/K0=0.995 #43905  
Cmpd 71346, +MS2(983.1259), 37.0eV, 71.780-71.783min, 1/K0=0.928  
Cmpd 71430, +MS2(983.1256), 37.0eV, 71.8min, 1/K0=0.928 #36258  
Cmpd 71642, +MS2(983.1257), 37.0eV, 71.9min, 1/K0=0.927 #36301  
Cmpd 72696, +MS2(983.1257), 37.0eV, 72.3min, 1/K0=0.928 #36523  
Cmpd 120873, +MS2(1077.5166), 37.0eV, 88.4min, 1/K0=0.974 #44924  
Cmpd 67480, +MS2(1118.5232), 37.0eV, 70.4min, 1/K0=0.982 #35531  
Cmpd 27452, +MS2(577.8144), 31.9eV, 54.0min, 1/K0=0.822 #26863  
Cmpd 27523, +MS2(577.8149), 31.9eV, 54.1min, 1/K0=0.831 #26885  
Cmpd 32205, +MS2(581.3135), 31.9eV, 56.4min, 1/K0=0.810 #28140  
Cmpd 64678, +MS2(589.3188), 31.9eV, 69.433-69.435min, 1/K0=0.821  
Cmpd 65824, +MS2(589.3200), 31.9eV, 69.851-69.858min, 1/K0=0.828  
Cmpd 63318, +MS2(589.3231), 31.9eV, 68.924-68.926min, 1/K0=0.831  
Cmpd 62453, +MS2(589.3231), 31.9eV, 68.5min, 1/K0=0.818 #34531

0.0002000000.0	Cmpd 62333, +MS2(589.3237), 31.9eV, 68.5min, 1/K0=0.829 #34508
0.0002000000.0	Cmpd 42719, +MS2(597.3194), 31.9eV, 60.9min, 1/K0=0.829 #30483
0.0002000000.0	Cmpd 42694, +MS2(597.3215), 31.9eV, 60.9min, 1/K0=0.823 #30478
0.0002000000.0	Cmpd 62356, +MS2(597.3224), 31.9eV, 68.500-68.503min, 1/K0=0.832
	Cmpd 40852, +MS2(683.3298), 31.9eV, 60.10-60.11min, 1/K0=0.800 #30295
	Cmpd 41871, +MS2(683.3305), 37.0eV, 60.5min, 1/K0=0.905 #30295
	Cmpd 40519, +MS2(683.3280), 37.0eV, 60.0min, 1/K0=0.913 #30000
	Cmpd 40850, +MS2(683.3316), 37.0eV, 60.1min, 1/K0=0.897 #30075
	Cmpd 40664, +MS2(683.3324), 37.0eV, 60.0min, 1/K0=0.907 #30031
	Cmpd 40974, +MS2(683.3328), 31.9eV, 60.14-60.15min, 1/K0=0.805 #30295
	Cmpd 41203, +MS2(683.3329), 37.0eV, 60.2min, 1/K0=0.875 #30152
0.0000000000200.0	Cmpd 25612, +MS2(691.3259), 37.0eV, 53.1min, 1/K0=0.894 #26359
0.0000000000200.0	Cmpd 28474, +MS2(691.3261), 37.0eV, 54.609-54.618min, 1/K0=0.896
0.0000000000200.0	Cmpd 29598, +MS2(691.3265), 37.0eV, 55.2min, 1/K0=0.911 #27470
0.0000000000200.0	Cmpd 40861, +MS2(691.3267), 37.0eV, 60.1min, 1/K0=0.915 #30076
0.0000000000200.0	Cmpd 30460, +MS2(691.3268), 37.0eV, 55.6min, 1/K0=0.904 #27692
0.0000000000200.0	Cmpd 28213, +MS2(691.3268), 37.0eV, 54.443-54.449min, 1/K0=0.915
0.0000000000200.0	Cmpd 31263, +MS2(691.3269), 37.0eV, 56.0min, 1/K0=0.902 #27909
0.0000000000200.0	Cmpd 37873, +MS2(691.3275), 37.0eV, 58.827-58.829min, 1/K0=0.912
0.0000000000200.0	Cmpd 23834, +MS2(691.3274), 37.0eV, 52.2min, 1/K0=0.896 #25885
0.0000000000200.0	Cmpd 23124, +MS2(691.3308), 31.9eV, 51.8min, 1/K0=0.788 #25685
0.0000000000200.0	Cmpd 23060, +MS2(691.3283), 37.0eV, 51.8min, 1/K0=0.902 #25664
0.0000000000200.0	Cmpd 40242, +MS2(691.3291), 37.0eV, 59.850-59.852min, 1/K0=0.915
0.0000000000200.0	Cmpd 32156, +MS2(691.3306), 37.0eV, 56.411-56.413min, 1/K0=0.902
	Cmpd 40289, +MS2(694.8978), 37.0eV, 59.869-59.874min, 1/K0=0.916
	Cmpd 27183, +MS2(727.8853), 37.0eV, 53.9min, 1/K0=0.937 #26786
	Cmpd 27307, +MS2(727.8876), 37.0eV, 53.9min, 1/K0=0.938 #26819
	Cmpd 114070, +MS2(759.8976), 37.0eV, 86.59-86.61min, 1/K0=0.968 #26819
	Cmpd 119579, +MS2(890.9862), 37.0eV, 88.0min, 1/K0=1.018 #44760
	Cmpd 119530, +MS2(890.9869), 37.0eV, 88.0min, 1/K0=1.018 #44752
	Cmpd 82937, +MS2(898.9570), 42.0eV, 76.006-76.009min, 1/K0=1.085
	Cmpd 113916, +MS2(921.9893), 37.0eV, 86.6min, 1/K0=1.039 #43992
	Cmpd 114174, +MS2(921.9903), 42.0eV, 86.6min, 1/K0=1.061 #44027
	Cmpd 114055, +MS2(921.9904), 37.0eV, 86.6min, 1/K0=1.042 #44012
	Cmpd 61734, +MS2(633.3329), 31.9eV, 68.3min, 1/K0=0.820 #34398
	Cmpd 61797, +MS2(633.3352), 31.9eV, 68.3min, 1/K0=0.853 #34410
	Cmpd 61516, +MS2(949.5015), 42.0eV, 68.206-68.208min, 1/K0=1.091
	Cmpd 61740, +MS2(949.5022), 42.0eV, 68.3min, 1/K0=1.087 #34399
	Cmpd 61553, +MS2(633.3363), 37.0eV, 68.2min, 1/K0=0.874 #34365
	Cmpd 61619, +MS2(949.5009), 42.0eV, 68.2min, 1/K0=1.088 #34376
	Cmpd 119909, +MS2(963.9890), 42.0eV, 88.1min, 1/K0=1.070 #44804
	Cmpd 83191, +MS2(656.3398), 31.9eV, 76.1min, 1/K0=0.790 #38512
	Cmpd 84216, +MS2(656.3418), 31.9eV, 76.5min, 1/K0=0.804 #38710
	Cmpd 82655, +MS2(656.3419), 31.9eV, 75.9min, 1/K0=0.803 #38404
	Cmpd 82805, +MS2(656.3418), 31.9eV, 75.9min, 1/K0=0.803 #38435
	Cmpd 83071, +MS2(656.3433), 31.9eV, 76.1min, 1/K0=0.805 #38490
	Cmpd 83065, +MS2(984.0126), 42.0eV, 76.1min, 1/K0=1.140 #38490
	Cmpd 113964, +MS2(1009.0221), 42.0eV, 86.6min, 1/K0=1.087 #44000



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Cmpd 115996, +MS2(1009.0237), 42.0eV, 87.1min, 1/K0=1.092 #44266  
Cmpd 113996, +MS2(1009.0237), 42.0eV, 86.6min, 1/K0=1.087 #44003  
Cmpd 119678, +MS2(1046.0528), 42.0eV, 88.07-88.08min, 1/K0=1.109  
Cmpd 123134, +MS2(1026.8871), 42.0eV, 88.967-88.969min, 1/K0=1.1  
Cmpd 121531, +MS2(1259.0249), 47.0eV, 88.5min, 1/K0=1.271 #45003  
Cmpd 49840, +MS2(551.7959), 31.9eV, 63.703-63.705min, 1/K0=0.812  
Cmpd 50021, +MS2(551.7962), 31.9eV, 63.8min, 1/K0=0.817 #32023  
Cmpd 78912, +MS2(585.8144), 31.9eV, 74.562-74.564min, 1/K0=0.818  
Cmpd 42226, +MS2(598.3105), 31.9eV, 60.652-60.656min, 1/K0=0.838  
Cmpd 79087, +MS2(635.3474), 37.0eV, 74.619-74.623min, 1/K0=0.864  
Cmpd 110083, +MS2(640.3348), 37.0eV, 85.6min, 1/K0=0.875 #43497  
Cmpd 116783, +MS2(644.3664), 37.0eV, 87.287-87.293min, 1/K0=0.86  
Cmpd 73641, +MS2(667.8083), 37.0eV, 72.641-72.643min, 1/K0=0.857  
Cmpd 74137, +MS2(667.8083), 37.0eV, 72.8min, 1/K0=0.858 #36786  
Cmpd 73774, +MS2(667.8089), 37.0eV, 72.7min, 1/K0=0.856 #36719  
Cmpd 73798, +MS2(667.8089), 37.0eV, 72.7min, 1/K0=0.873 #36723  
Cmpd 79061, +MS2(706.3864), 37.0eV, 74.6min, 1/K0=0.917 #37731  
Cmpd 78781, +MS2(706.3868), 37.0eV, 74.513-74.515min, 1/K0=0.928  
Cmpd 112539, +MS2(713.3949), 37.0eV, 86.2min, 1/K0=0.984 #43817  
Cmpd 112631, +MS2(713.3949), 37.0eV, 86.2min, 1/K0=0.984 #43828  
Cmpd 91898, +MS2(753.8952), 37.0eV, 79.478-79.483min, 1/K0=0.981  
Cmpd 109977, +MS2(754.3913), 37.0eV, 85.6min, 1/K0=0.970 #43485  
Cmpd 110143, +MS2(754.3923), 37.0eV, 85.6min, 1/K0=0.972 #43506  
Cmpd 112607, +MS2(770.4171), 37.0eV, 86.2min, 1/K0=1.016 #43826  
Cmpd 112548, +MS2(805.9348), 37.0eV, 86.2min, 1/K0=1.040 #43818  
Cmpd 49896, +MS2(538.6002), 31.9eV, 63.730-63.737min, 1/K0=0.748  
Cmpd 50072, +MS2(807.4043), 37.0eV, 63.8min, 1/K0=1.001 #32035  
Cmpd 49890, +MS2(807.4052), 37.0eV, 63.726-63.732min, 1/K0=1.010  
Cmpd 70300, +MS2(554.9608), 31.9eV, 71.4min, 1/K0=0.749 #36026  
Cmpd 112526, +MS2(841.4560), 42.0eV, 86.2min, 1/K0=1.065 #43816  
Cmpd 73319, +MS2(869.9318), 42.0eV, 72.5min, 1/K0=1.066 #36631  
Cmpd 53291, +MS2(877.9256), 37.0eV, 65.060-65.070min, 1/K0=1.043  
Cmpd 112514, +MS2(897.9966), 42.0eV, 86.2min, 1/K0=1.111 #43815  
Cmpd 113447, +MS2(901.4876), 42.0eV, 86.4min, 1/K0=1.111 #43934  
Cmpd 51145, +MS2(606.9555), 31.9eV, 64.224-64.226min, 1/K0=0.774  
Cmpd 112728, +MS2(935.0185), 42.0eV, 86.3min, 1/K0=1.092 #43840  
Cmpd 112647, +MS2(947.5343), 42.0eV, 86.2min, 1/K0=1.117 #43831  
Cmpd 38500, +MS2(649.6554), 31.9eV, 59.1min, 1/K0=0.779 #29547  
Cmpd 39447, +MS2(649.6555), 31.9eV, 59.5min, 1/K0=0.778 #29768  
Cmpd 38261, +MS2(649.6565), 31.9eV, 58.994-58.998min, 1/K0=0.776  
Cmpd 38349, +MS2(649.6555), 31.9eV, 59.0min, 1/K0=0.777 #29514  
Cmpd 112616, +MS2(983.0519), 42.0eV, 86.2min, 1/K0=1.141 #43827  
Cmpd 96786, +MS2(706.3585), 37.0eV, 81.322-81.323min, 1/K0=0.902  
Cmpd 112608, +MS2(721.7470), 37.0eV, 86.2min, 1/K0=0.943 #43826  
Cmpd 112498, +MS2(1082.1187), 42.0eV, 86.2min, 1/K0=1.203 #43814  
Cmpd 31189, +MS2(725.3698), 37.0eV, 55.956-55.965min, 1/K0=0.905  
Cmpd 116965, +MS2(1125.6194), 42.0eV, 87.338-87.340min, 1/K0=1.1  
Cmpd 113339, +MS2(1142.6264), 42.0eV, 86.412-86.415min, 1/K0=1.2

Cmpd 113409, +MS2(762.0900), 37.0eV, 86.4min, 1/K0=0.966 #43927  
Cmpd 96888, +MS2(798.4129), 37.0eV, 81.4min, 1/K0=0.982 #41284  
Cmpd 77052, +MS2(834.0883), 37.0eV, 73.847-73.851min, 1/K0=0.913  
Cmpd 74021, +MS2(834.0869), 37.0eV, 72.8min, 1/K0=0.914 #36764  
Cmpd 74421, +MS2(834.0878), 37.0eV, 72.9min, 1/K0=0.876 #36842  
Cmpd 73696, +MS2(834.0889), 37.0eV, 72.662-72.666min, 1/K0=0.938  
Cmpd 77577, +MS2(834.0888), 37.0eV, 74.042-74.044min, 1/K0=0.936  
Cmpd 74012, +MS2(834.0887), 37.0eV, 72.8min, 1/K0=0.938 #36763  
Cmpd 73854, +MS2(834.0863), 37.0eV, 72.7min, 1/K0=0.912 #36732  
Cmpd 73833, +MS2(834.0861), 37.0eV, 72.7min, 1/K0=0.940 #36730  
Cmpd 75258, +MS2(834.0874), 37.0eV, 73.2min, 1/K0=0.914 #37006  
Cmpd 73758, +MS2(834.0876), 37.0eV, 72.686-72.688min, 1/K0=0.911  
Cmpd 75156, +MS2(834.0892), 37.0eV, 73.2min, 1/K0=0.935 #36983  
Cmpd 122503, +MS2(544.8154), 31.9eV, 88.8min, 1/K0=0.798 #45135  
Cmpd 46618, +MS2(594.7882), 31.9eV, 62.440-62.442min, 1/K0=0.831  
Cmpd 29860, +MS2(603.7496), 31.9eV, 55.3min, 1/K0=0.810 #27545  
Cmpd 29551, +MS2(603.7502), 31.9eV, 55.1min, 1/K0=0.826 #27458  
Cmpd 122603, +MS2(654.8611), 37.0eV, 88.794-88.796min, 1/K0=0.88  
Cmpd 32217, +MS2(660.2919), 31.9eV, 56.44-56.45min, 1/K0=0.854 #4  
Cmpd 29454, +MS2(660.2927), 31.9eV, 55.1min, 1/K0=0.855 #27435  
Cmpd 18636, +MS2(660.2932), 31.9eV, 49.407-49.409min, 1/K0=0.846  
Cmpd 29631, +MS2(660.2942), 31.9eV, 55.2min, 1/K0=0.853 #27479  
Cmpd 34965, +MS2(709.8220), 37.0eV, 57.603-57.610min, 1/K0=0.890  
Cmpd 29588, +MS2(709.8244), 37.0eV, 55.2min, 1/K0=0.898 #27468  
Cmpd 21872, +MS2(709.8241), 37.0eV, 51.1min, 1/K0=0.887 #25290  
Cmpd 21900, +MS2(709.8254), 37.0eV, 51.08-51.09min, 1/K0=0.885 #2  
Cmpd 29610, +MS2(709.8272), 31.9eV, 55.176-55.179min, 1/K0=0.787  
Cmpd 18479, +MS2(709.8262), 37.0eV, 49.318-49.324min, 1/K0=0.895  
Cmpd 29422, +MS2(709.8265), 37.0eV, 55.1min, 1/K0=0.901 #27425  
Cmpd 29645, +MS2(709.8269), 31.9eV, 55.189-55.193min, 1/K0=0.803  
Cmpd 31298, +MS2(709.8267), 37.0eV, 56.0min, 1/K0=0.890 #27920  
Cmpd 30438, +MS2(709.8268), 37.0eV, 55.6min, 1/K0=0.894 #27688  
Cmpd 29795, +MS2(709.8270), 31.9eV, 55.270-55.272min, 1/K0=0.821  
Cmpd 30020, +MS2(709.8272), 37.0eV, 55.4min, 1/K0=0.877 #27589  
Cmpd 24483, +MS2(758.3728), 37.0eV, 52.5min, 1/K0=0.918 #26060  
Cmpd 29675, +MS2(766.3696), 37.0eV, 55.2min, 1/K0=0.933 #27490  
Cmpd 120772, +MS2(791.9520), 37.0eV, 88.3min, 1/K0=0.996 #44911  
Cmpd 30481, +MS2(831.8850), 37.0eV, 55.6min, 1/K0=0.962 #27699  
Cmpd 29349, +MS2(831.8877), 37.0eV, 55.0min, 1/K0=0.959 #27403  
Cmpd 29756, +MS2(554.9268), 31.9eV, 55.2min, 1/K0=0.730 #27512  
Cmpd 30018, +MS2(831.8869), 37.0eV, 55.392-55.394min, 1/K0=0.987  
Cmpd 29456, +MS2(554.9277), 31.9eV, 55.10-55.11min, 1/K0=0.728 #2  
Cmpd 29452, +MS2(831.8883), 37.0eV, 55.1min, 1/K0=0.958 #27435  
Cmpd 31297, +MS2(831.8886), 37.0eV, 56.0min, 1/K0=0.958 #27920  
Cmpd 29843, +MS2(831.8868), 31.9eV, 55.296-55.302min, 1/K0=0.773  
Cmpd 29629, +MS2(831.8906), 37.0eV, 55.2min, 1/K0=0.960 #27479  
Cmpd 29729, +MS2(831.8920), 31.9eV, 55.232-55.238min, 1/K0=0.792  
Cmpd 122453, +MS2(835.4768), 37.0eV, 88.759-88.761min, 1/K0=1.04

0.2000000000000000.0	Cmpd 122418, +MS2(835.4784), 42.0eV, 88.7min, 1/K0=1.067 #45124
0.2000000000000000.0	Cmpd 25166, +MS2(560.2569), 31.9eV, 52.84-52.85min, 1/K0=0.735 #1
0.2000000000000000.0	Cmpd 18695, +MS2(560.2569), 31.9eV, 49.4min, 1/K0=0.737 #24432
0.2000000000000000.0	Cmpd 18472, +MS2(560.2587), 31.9eV, 49.314-49.316min, 1/K0=0.741
0.2000000000000000.0	Cmpd 23186, +MS2(560.2602), 31.9eV, 51.8min, 1/K0=0.737 #25699
0.2000000000000000.0	Cmpd 21534, +MS2(839.8846), 37.0eV, 50.854-50.860min, 1/K0=0.954
0.2000000000000000.0	Cmpd 22231, +MS2(839.8841), 37.0eV, 51.276-51.279min, 1/K0=0.955
0.2000000000000000.0	Cmpd 23647, +MS2(839.8847), 37.0eV, 52.092-52.096min, 1/K0=0.957
0.2000000000000000.0	Cmpd 20734, +MS2(839.8846), 37.0eV, 50.537-50.541min, 1/K0=0.969
0.2000000000000000.0	Cmpd 29587, +MS2(839.8852), 37.0eV, 55.164-55.168min, 1/K0=0.959
0.2000000000000000.0	Cmpd 25956, +MS2(560.2589), 31.9eV, 53.256-53.257min, 1/K0=0.737
0.2000000000000000.0	Cmpd 18474, +MS2(839.8872), 37.0eV, 49.316-49.320min, 1/K0=0.947
0.2000000000000000.0	Cmpd 18654, +MS2(839.8881), 37.0eV, 49.4min, 1/K0=0.949 #24421
0.2000000000000000.0	Cmpd 19128, +MS2(839.8838), 37.0eV, 49.685-49.687min, 1/K0=0.969
	Cmpd 122364, +MS2(899.9982), 42.0eV, 88.7min, 1/K0=1.122 #45115
	Cmpd 122417, +MS2(899.9999), 42.0eV, 88.7min, 1/K0=1.123 #45124
	Cmpd 49730, +MS2(626.9744), 31.9eV, 63.662-63.664min, 1/K0=0.750
	Cmpd 50248, +MS2(939.9621), 42.0eV, 63.9min, 1/K0=1.087 #32077
	Cmpd 49601, +MS2(939.9642), 42.0eV, 63.6min, 1/K0=1.074 #31934
	Cmpd 49759, +MS2(939.9638), 42.0eV, 63.7min, 1/K0=1.072 #31967
	Cmpd 122558, +MS2(1024.0800), 42.0eV, 88.786-88.788min, 1/K0=1.1
	Cmpd 122400, +MS2(1050.5683), 42.0eV, 88.7min, 1/K0=1.240 #45125
	Cmpd 120222, +MS2(703.0295), 31.9eV, 88.205-88.209min, 1/K0=0.81
	Cmpd 119440, +MS2(728.7307), 37.0eV, 88.0min, 1/K0=0.946 #44740
	Cmpd 119414, +MS2(1092.5990), 42.0eV, 88.0min, 1/K0=1.177 #44738
	Cmpd 122579, +MS2(754.0852), 31.9eV, 88.79-88.81min, 1/K0=0.849 #
	Cmpd 122552, +MS2(754.0884), 37.0eV, 88.783-88.784min, 1/K0=0.88
	Cmpd 131015, +MS2(1130.6290), 42.0eV, 92.43-92.44min, 1/K0=1.176
	Cmpd 122547, +MS2(754.0889), 37.0eV, 88.8min, 1/K0=0.896 #45140
	Cmpd 129481, +MS2(1130.6315), 42.0eV, 91.661-91.667min, 1/K0=1.1
	Cmpd 122501, +MS2(754.0897), 37.0eV, 88.8min, 1/K0=0.943 #45135
	Cmpd 124249, +MS2(1130.6352), 42.0eV, 89.4min, 1/K0=1.180 #45442
	Cmpd 122782, +MS2(754.0898), 37.0eV, 88.9min, 1/K0=0.942 #45178
	Cmpd 122487, +MS2(754.0916), 37.0eV, 88.8min, 1/K0=0.958 #45134
	Cmpd 123115, +MS2(1130.6352), 42.0eV, 89.0min, 1/K0=1.182 #45234
	Cmpd 122536, +MS2(1130.6341), 42.0eV, 88.8min, 1/K0=1.182 #45138
	Cmpd 127566, +MS2(1130.6305), 42.0eV, 90.740-90.747min, 1/K0=1.1
	Cmpd 120656, +MS2(846.1049), 37.0eV, 88.304-88.306min, 1/K0=0.93
	Cmpd 120912, +MS2(846.1059), 37.0eV, 88.4min, 1/K0=0.912 #44927
	Cmpd 120723, +MS2(846.1073), 37.0eV, 88.3min, 1/K0=0.930 #44904
	Cmpd 120759, +MS2(846.1064), 37.0eV, 88.3min, 1/K0=0.993 #44909
	Cmpd 93241, +MS2(589.3253), 31.9eV, 80.0min, 1/K0=0.834 #40581
	Cmpd 91167, +MS2(589.3263), 31.9eV, 79.2min, 1/K0=0.837 #40141
	Cmpd 92209, +MS2(589.3267), 31.9eV, 79.6min, 1/K0=0.837 #40361
	Cmpd 56288, +MS2(623.8425), 37.0eV, 66.275-66.278min, 1/K0=0.922
	Cmpd 56052, +MS2(623.8447), 31.9eV, 66.163-66.165min, 1/K0=0.847
	Cmpd 56099, +MS2(623.8496), 37.0eV, 66.186-66.193min, 1/K0=0.864
	Cmpd 98166, +MS2(644.3354), 37.0eV, 81.770-81.772min, 1/K0=0.881

Cmpd 97942, +MS2(694.8590), 37.0eV, 81.7min, 1/K0=0.901 #41472  
Cmpd 89689, +MS2(722.8536), 37.0eV, 78.648-78.652min, 1/K0=0.908  
Cmpd 121477, +MS2(732.9107), 37.0eV, 88.5min, 1/K0=0.951 #44995  
Cmpd 121421, +MS2(732.9110), 37.0eV, 88.5min, 1/K0=0.946 #44990  
Cmpd 99366, +MS2(786.9215), 37.0eV, 82.2min, 1/K0=1.001 #41715  
Cmpd 98118, +MS2(786.9233), 37.0eV, 81.8min, 1/K0=1.000 #41493  
Cmpd 97894, +MS2(786.9266), 37.0eV, 81.701-81.705min, 1/K0=1.000  
Cmpd 98130, +MS2(822.4442), 37.0eV, 81.8min, 1/K0=1.028 #41494  
Cmpd 89408, +MS2(829.9206), 37.0eV, 78.520-78.522min, 1/K0=0.977  
Cmpd 89629, +MS2(829.9188), 37.0eV, 78.6min, 1/K0=0.961 #39844  
Cmpd 89582, +MS2(829.9199), 37.0eV, 78.6min, 1/K0=0.977 #39833  
Cmpd 89712, +MS2(829.9199), 37.0eV, 78.7min, 1/K0=0.979 #39865  
Cmpd 90885, +MS2(829.9201), 37.0eV, 79.1min, 1/K0=0.985 #40085  
Cmpd 94016, +MS2(829.9228), 37.0eV, 80.324-80.328min, 1/K0=0.970  
Cmpd 91947, +MS2(829.9229), 37.0eV, 79.5min, 1/K0=0.984 #40305  
Cmpd 93016, +MS2(829.9232), 37.0eV, 79.9min, 1/K0=0.986 #40526  
Cmpd 94338, +MS2(829.9245), 37.0eV, 80.455-80.457min, 1/K0=0.987  
Cmpd 116154, +MS2(865.0008), 42.0eV, 87.1min, 1/K0=1.066 #44287  
Cmpd 97876, +MS2(586.3206), 31.9eV, 81.7min, 1/K0=0.811 #41461  
Cmpd 99183, +MS2(586.3229), 31.9eV, 82.114-82.116min, 1/K0=0.805  
Cmpd 100344, +MS2(878.9849), 42.0eV, 82.576-82.578min, 1/K0=1.09  
Cmpd 99289, +MS2(878.9855), 42.0eV, 82.2min, 1/K0=1.092 #41702  
Cmpd 97821, +MS2(878.9864), 42.0eV, 81.7min, 1/K0=1.094 #41451  
Cmpd 98021, +MS2(878.9881), 42.0eV, 81.7min, 1/K0=1.100 #41483  
Cmpd 110322, +MS2(890.4563), 37.0eV, 85.7min, 1/K0=1.031 #43528  
Cmpd 121742, +MS2(905.5220), 37.0eV, 88.570-88.572min, 1/K0=1.04  
Cmpd 116888, +MS2(958.5270), 42.0eV, 87.319-87.321min, 1/K0=1.08  
Cmpd 43909, +MS2(691.6827), 31.9eV, 61.4min, 1/K0=0.829 #30747  
Cmpd 43566, +MS2(691.6827), 31.9eV, 61.246-61.247min, 1/K0=0.829  
Cmpd 43579, +MS2(691.6825), 31.9eV, 61.251-61.253min, 1/K0=0.817  
Cmpd 72351, +MS2(694.7023), 31.9eV, 72.180-72.182min, 1/K0=0.830  
Cmpd 72212, +MS2(694.7050), 37.0eV, 72.119-72.125min, 1/K0=0.904  
Cmpd 72243, +MS2(694.7035), 37.0eV, 72.1min, 1/K0=0.904 #36424  
Cmpd 122009, +MS2(758.7221), 31.9eV, 88.636-88.638min, 1/K0=0.81  
Cmpd 93639, +MS2(806.0993), 37.0eV, 80.169-80.171min, 1/K0=0.981  
Cmpd 121074, +MS2(887.1307), 37.0eV, 88.4min, 1/K0=1.025 #44947  
Cmpd 119295, +MS2(887.4664), 37.0eV, 88.0min, 1/K0=0.931 #44718  
Cmpd 119433, +MS2(887.4668), 37.0eV, 88.0min, 1/K0=0.929 #44739  
Cmpd 119480, +MS2(1014.4833), 37.0eV, 88.0min, 1/K0=1.003 #44746  
Cmpd 88357, +MS2(504.2751), 31.9eV, 78.099-78.103min, 1/K0=0.783  
Cmpd 44236, +MS2(563.3185), 31.9eV, 61.453-61.455min, 1/K0=0.847  
Cmpd 45014, +MS2(563.3229), 31.9eV, 61.728-61.732min, 1/K0=0.848  
Cmpd 82850, +MS2(566.8372), 31.9eV, 76.0min, 1/K0=0.823 #38446  
Cmpd 82621, +MS2(566.8372), 31.9eV, 75.881-75.883min, 1/K0=0.820  
Cmpd 38672, +MS2(586.7813), 31.9eV, 59.167-59.171min, 1/K0=0.839  
Cmpd 28479, +MS2(591.7934), 31.9eV, 54.615-54.618min, 1/K0=0.838  
Cmpd 88169, +MS2(596.3384), 31.9eV, 78.0min, 1/K0=0.854 #39526  
Cmpd 88356, +MS2(596.3385), 31.9eV, 78.1min, 1/K0=0.854 #39568

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Cmpd 44213, +MS2(598.8390), 37.0eV, 61.4min, 1/K0=0.885 #30790  
Cmpd 44012, +MS2(598.8400), 37.0eV, 61.4min, 1/K0=0.889 #30764  
Cmpd 45358, +MS2(598.8424), 37.0eV, 61.874-61.877min, 1/K0=0.894  
Cmpd 14031, +MS2(599.7882), 31.9eV, 46.563-46.565min, 1/K0=0.829  
Cmpd 16532, +MS2(599.7889), 31.9eV, 48.154-48.156min, 1/K0=0.834  
Cmpd 11975, +MS2(599.7892), 31.9eV, 45.3min, 1/K0=0.833 #22232  
Cmpd 12598, +MS2(599.7924), 31.9eV, 45.7min, 1/K0=0.840 #22454  
Cmpd 18767, +MS2(599.7904), 31.9eV, 49.482-49.486min, 1/K0=0.837  
Cmpd 108963, +MS2(638.3103), 31.9eV, 85.315-85.317min, 1/K0=0.84  
Cmpd 44223, +MS2(648.3744), 37.0eV, 61.5min, 1/K0=0.929 #30791  
Cmpd 43991, +MS2(648.3759), 37.0eV, 61.39-61.40min, 1/K0=0.928 #30791  
Cmpd 63268, +MS2(660.3892), 37.0eV, 68.903-68.905min, 1/K0=0.888  
Cmpd 62558, +MS2(660.3905), 37.0eV, 68.579-68.581min, 1/K0=0.894  
Cmpd 44326, +MS2(697.9101), 37.0eV, 61.483-61.487min, 1/K0=0.978  
Cmpd 117935, +MS2(714.9082), 37.0eV, 87.6min, 1/K0=0.974 #44520  
Cmpd 46201, +MS2(761.9361), 37.0eV, 62.3min, 1/K0=1.019 #31219  
Cmpd 47370, +MS2(761.9371), 37.0eV, 62.709-62.713min, 1/K0=1.019  
Cmpd 47321, +MS2(761.9372), 37.0eV, 62.7min, 1/K0=1.018 #31449  
Cmpd 43905, +MS2(761.9376), 37.0eV, 61.4min, 1/K0=1.022 #30747  
Cmpd 45285, +MS2(761.9380), 37.0eV, 61.8min, 1/K0=1.021 #30999  
Cmpd 44192, +MS2(761.9381), 37.0eV, 61.445-61.447min, 1/K0=0.990  
Cmpd 43828, +MS2(761.9401), 37.0eV, 61.3min, 1/K0=1.019 #30732  
Cmpd 44129, +MS2(761.9412), 37.0eV, 61.4min, 1/K0=1.029 #30780  
Cmpd 118043, +MS2(780.4289), 37.0eV, 87.6min, 1/K0=1.042 #44535  
Cmpd 108792, +MS2(809.4292), 37.0eV, 85.3min, 1/K0=1.012 #43333  
Cmpd 106491, +MS2(835.9121), 37.0eV, 84.7min, 1/K0=0.990 #43033  
Cmpd 117842, +MS2(845.9495), 42.0eV, 87.6min, 1/K0=1.101 #44509  
Cmpd 81805, +MS2(890.9667), 42.0eV, 75.568-75.571min, 1/K0=1.092  
Cmpd 84425, +MS2(890.9648), 42.0eV, 76.545-76.553min, 1/K0=1.080  
Cmpd 82180, +MS2(890.9650), 42.0eV, 75.7min, 1/K0=1.088 #38304  
Cmpd 114301, +MS2(606.9934), 31.9eV, 86.656-86.658min, 1/K0=0.79  
Cmpd 99546, +MS2(666.3704), 37.0eV, 82.253-82.255min, 1/K0=0.859  
Cmpd 81133, +MS2(701.7498), 37.0eV, 75.3min, 1/K0=0.865 #38106  
Cmpd 80780, +MS2(701.7497), 37.0eV, 75.197-75.199min, 1/K0=0.863  
Cmpd 80847, +MS2(701.7487), 37.0eV, 75.220-75.222min, 1/K0=0.905  
Cmpd 80753, +MS2(701.7506), 37.0eV, 75.188-75.190min, 1/K0=0.863  
Cmpd 80946, +MS2(701.7523), 37.0eV, 75.3min, 1/K0=0.936 #38072  
Cmpd 99159, +MS2(709.3849), 37.0eV, 82.106-82.108min, 1/K0=0.880  
Cmpd 99673, +MS2(709.3855), 37.0eV, 82.30-82.32min, 1/K0=0.866 #44520  
Cmpd 106429, +MS2(742.3554), 31.9eV, 84.7min, 1/K0=0.817 #43023  
Cmpd 90523, +MS2(1141.5195), 42.0eV, 78.944-78.950min, 1/K0=1.11  
Cmpd 99410, +MS2(766.0888), 37.0eV, 82.2min, 1/K0=0.924 #41725  
Cmpd 99078, +MS2(766.0864), 37.0eV, 82.1min, 1/K0=0.901 #41659  
Cmpd 99401, +MS2(766.0877), 37.0eV, 82.2min, 1/K0=0.902 #41724  
Cmpd 99142, +MS2(766.0869), 37.0eV, 82.1min, 1/K0=0.874 #41671  
Cmpd 99782, +MS2(1148.6302), 47.0eV, 82.3min, 1/K0=1.263 #41801  
Cmpd 98976, +MS2(1148.6325), 47.0eV, 82.036-82.042min, 1/K0=1.25  
Cmpd 100191, +MS2(1148.6312), 42.0eV, 82.511-82.513min, 1/K0=1.2

	Cmpd 100447, +MS2(766.0897), 37.0eV, 82.616-82.623min, 1/K0=0.89
	Cmpd 99121, +MS2(1148.6330), 42.0eV, 82.1min, 1/K0=1.248 #41669
	Cmpd 114257, +MS2(879.5136), 42.0eV, 86.6min, 1/K0=1.099 #44038
	Cmpd 114296, +MS2(879.5131), 42.0eV, 86.7min, 1/K0=1.098 #44045
	Cmpd 96120, +MS2(993.4933), 37.0eV, 81.1min, 1/K0=0.975 #41155
	Cmpd 117853, +MS2(1004.1842), 42.0eV, 87.565-87.567min, 1/K0=1.1
	Cmpd 96236, +MS2(1076.2007), 37.0eV, 81.1min, 1/K0=1.004 #41174
	Cmpd 112813, +MS2(560.2838), 31.9eV, 86.277-86.279min, 1/K0=0.82
	Cmpd 12750, +MS2(586.7740), 31.9eV, 45.793-45.800min, 1/K0=0.843
	Cmpd 112800, +MS2(645.3365), 37.0eV, 86.3min, 1/K0=0.900 #43849
	Cmpd 112895, +MS2(718.8713), 37.0eV, 86.3min, 1/K0=0.984 #43861
	Cmpd 51580, +MS2(737.3553), 37.0eV, 64.413-64.417min, 1/K0=0.860
	Cmpd 51452, +MS2(737.3557), 31.9eV, 64.359-64.362min, 1/K0=0.796
	Cmpd 50985, +MS2(737.3570), 37.0eV, 64.2min, 1/K0=0.896 #32222
	Cmpd 51214, +MS2(737.3557), 31.9eV, 64.256-64.258min, 1/K0=0.845
	Cmpd 51225, +MS2(737.3575), 37.0eV, 64.3min, 1/K0=0.914 #32275
	Cmpd 50970, +MS2(737.3579), 37.0eV, 64.2min, 1/K0=0.912 #32220
	Cmpd 51606, +MS2(737.3585), 37.0eV, 64.4min, 1/K0=0.945 #32364
	Cmpd 51020, +MS2(737.3582), 37.0eV, 64.2min, 1/K0=0.912 #32231
	Cmpd 50925, +MS2(737.3583), 37.0eV, 64.1min, 1/K0=0.897 #32210
	Cmpd 50821, +MS2(737.3614), 37.0eV, 64.1min, 1/K0=0.916 #32189
	Cmpd 51075, +MS2(737.3588), 37.0eV, 64.2min, 1/K0=0.893 #32242
0.0002000000000.0	Cmpd 30384, +MS2(745.3472), 37.0eV, 55.555-55.557min, 1/K0=0.912
0.0002000000000.0	Cmpd 39291, +MS2(745.3551), 37.0eV, 59.443-59.447min, 1/K0=0.941
0.0000200000000.0	Cmpd 33591, +MS2(745.3519), 37.0eV, 57.0min, 1/K0=0.920 #28460
0.0002000000000.0	Cmpd 35676, +MS2(745.3518), 37.0eV, 57.917-57.921min, 1/K0=0.917
0.0002000000000.0	Cmpd 40816, +MS2(745.3546), 37.0eV, 60.1min, 1/K0=0.926 #30066
0.0002000000000.0	Cmpd 51422, +MS2(745.3526), 37.0eV, 64.3min, 1/K0=0.929 #32319
0.0000200000000.0	Cmpd 51298, +MS2(745.3528), 37.0eV, 64.288-64.292min, 1/K0=0.895
0.0002000000000.0	Cmpd 31347, +MS2(745.3528), 37.0eV, 56.0min, 1/K0=0.915 #27933
0.0000200000000.0	Cmpd 38517, +MS2(745.3529), 37.0eV, 59.1min, 1/K0=0.922 #29549
0.0002000000000.0	Cmpd 30528, +MS2(745.3530), 37.0eV, 55.6min, 1/K0=0.914 #27710
0.0000200000000.0	Cmpd 32615, +MS2(745.3531), 37.0eV, 56.6min, 1/K0=0.918 #28239
0.0000200000000.0	Cmpd 39770, +MS2(745.3536), 37.0eV, 59.7min, 1/K0=0.925 #29847
0.0002000000000.0	Cmpd 45899, +MS2(745.3538), 37.0eV, 62.1min, 1/K0=0.922 #31146
0.0000200000000.0	Cmpd 48335, +MS2(745.3546), 37.0eV, 63.085-63.087min, 1/K0=0.928
0.0000200000000.0	Cmpd 44926, +MS2(745.3547), 37.0eV, 61.7min, 1/K0=0.922 #30921
0.0002000000000.0	Cmpd 30395, +MS2(745.3548), 37.0eV, 55.6min, 1/K0=0.912 #27677
0.0002000000000.0	Cmpd 48386, +MS2(745.3557), 37.0eV, 63.105-63.109min, 1/K0=0.928
0.0000200000000.0	Cmpd 31668, +MS2(745.3555), 37.0eV, 56.2min, 1/K0=0.912 #28018
0.0002000000000.0	Cmpd 49380, +MS2(745.3562), 37.0eV, 63.524-63.526min, 1/K0=0.931
0.0000200000000.0	Cmpd 50129, +MS2(745.3561), 37.0eV, 63.830-63.836min, 1/K0=0.911
0.0002000000000.0	Cmpd 37429, +MS2(745.3565), 37.0eV, 58.6min, 1/K0=0.915 #29304
0.0000200000000.0	Cmpd 37455, +MS2(745.3566), 37.0eV, 58.644-58.653min, 1/K0=0.913
0.0002200000000.0	Cmpd 30610, +MS2(753.3491), 37.0eV, 55.664-55.666min, 1/K0=0.938
0.0002200000000.0	Cmpd 11810, +MS2(753.3505), 37.0eV, 45.2min, 1/K0=0.926 #22167
0.0002200000000.0	Cmpd 12344, +MS2(753.3510), 37.0eV, 45.586-45.588min, 1/K0=0.927
	Cmpd 112862, +MS2(832.4363), 42.0eV, 86.3min, 1/K0=1.075 #43858

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Cmpd 112918, +MS2(867.9560), 42.0eV, 86.3min, 1/K0=1.105 #43865  
Cmpd 112861, +MS2(932.4769), 42.0eV, 86.3min, 1/K0=1.159 #43858  
Cmpd 104758, +MS2(986.9923), 42.0eV, 84.1min, 1/K0=1.162 #42748  
Cmpd 112870, +MS2(1104.0697), 47.0eV, 86.295-86.297min, 1/K0=1.3  
Cmpd 113299, +MS2(1234.1404), 47.0eV, 86.401-86.403min, 1/K0=1.3  
Cmpd 112781, +MS2(1234.1402), 47.0eV, 86.3min, 1/K0=1.370 #43848  
Cmpd 112820, +MS2(823.0975), 37.0eV, 86.3min, 1/K0=1.002 #43851  
Cmpd 87486, +MS2(544.3051), 31.9eV, 77.745-77.746min, 1/K0=0.815  
Cmpd 87703, +MS2(544.3060), 31.9eV, 77.8min, 1/K0=0.818 #39426  
Cmpd 87953, +MS2(544.3061), 31.9eV, 77.9min, 1/K0=0.805 #39480  
Cmpd 49952, +MS2(589.3113), 31.9eV, 63.753-63.756min, 1/K0=0.820  
Cmpd 53041, +MS2(589.3114), 37.0eV, 65.0min, 1/K0=0.869 #32652  
Cmpd 49869, +MS2(589.3116), 37.0eV, 63.7min, 1/K0=0.866 #31989  
Cmpd 50013, +MS2(589.3130), 31.9eV, 63.8min, 1/K0=0.846 #32022  
Cmpd 49846, +MS2(589.3126), 31.9eV, 63.709-63.713min, 1/K0=0.841  
Cmpd 61263, +MS2(589.3126), 37.0eV, 68.101-68.104min, 1/K0=0.869  
Cmpd 49658, +MS2(589.3127), 37.0eV, 63.6min, 1/K0=0.866 #31945  
Cmpd 55195, +MS2(589.3128), 37.0eV, 65.8min, 1/K0=0.867 #33091  
Cmpd 54063, +MS2(589.3138), 37.0eV, 65.4min, 1/K0=0.868 #32869  
Cmpd 51916, +MS2(589.3142), 37.0eV, 64.6min, 1/K0=0.867 #32431  
Cmpd 50919, +MS2(589.3144), 37.0eV, 64.1min, 1/K0=0.866 #32209  
Cmpd 56186, +MS2(589.3149), 37.0eV, 66.225-66.227min, 1/K0=0.870  
Cmpd 49565, +MS2(589.3150), 37.0eV, 63.6min, 1/K0=0.865 #31924  
Cmpd 88844, +MS2(637.3465), 37.0eV, 78.3min, 1/K0=0.904 #39670  
Cmpd 87543, +MS2(637.3490), 37.0eV, 77.8min, 1/K0=0.904 #39393  
Cmpd 87351, +MS2(637.3490), 37.0eV, 77.685-77.687min, 1/K0=0.899  
Cmpd 87798, +MS2(637.3509), 37.0eV, 77.9min, 1/K0=0.905 #39447  
Cmpd 78476, +MS2(667.8329), 37.0eV, 74.4min, 1/K0=0.884 #37611  
Cmpd 87584, +MS2(701.8714), 37.0eV, 77.786-77.788min, 1/K0=0.943  
Cmpd 87566, +MS2(701.8720), 37.0eV, 77.8min, 1/K0=0.940 #39399  
Cmpd 87608, +MS2(501.2665), 31.9eV, 77.794-77.800min, 1/K0=0.749  
Cmpd 89737, +MS2(751.4031), 37.0eV, 78.669-78.673min, 1/K0=0.982  
Cmpd 87592, +MS2(751.4039), 37.0eV, 77.8min, 1/K0=0.990 #39404  
Cmpd 87398, +MS2(751.4030), 37.0eV, 77.7min, 1/K0=0.987 #39360  
Cmpd 88617, +MS2(751.4043), 37.0eV, 78.2min, 1/K0=0.987 #39625  
Cmpd 81131, +MS2(852.9432), 37.0eV, 75.3min, 1/K0=1.028 #38106  
Cmpd 79810, +MS2(852.9436), 37.0eV, 74.843-74.845min, 1/K0=1.034  
Cmpd 79984, +MS2(852.9446), 37.0eV, 74.9min, 1/K0=1.034 #37885  
Cmpd 80112, +MS2(852.9473), 37.0eV, 74.950-74.953min, 1/K0=1.009  
Cmpd 120205, +MS2(905.5007), 37.0eV, 88.199-88.203min, 1/K0=1.04  
Cmpd 105365, +MS2(614.3318), 31.9eV, 84.4min, 1/K0=0.836 #42858  
Cmpd 105268, +MS2(614.3321), 31.9eV, 84.323-84.325min, 1/K0=0.83  
Cmpd 105515, +MS2(614.3309), 31.9eV, 84.401-84.403min, 1/K0=0.85  
Cmpd 107027, +MS2(614.3335), 31.9eV, 84.835-84.837min, 1/K0=0.83  
Cmpd 62222, +MS2(620.9970), 31.9eV, 68.5min, 1/K0=0.833 #34488  
Cmpd 62481, +MS2(620.9982), 31.9eV, 68.547-68.549min, 1/K0=0.817  
Cmpd 119399, +MS2(636.3449), 37.0eV, 87.994-87.996min, 1/K0=0.90  
Cmpd 119338, +MS2(636.3484), 31.9eV, 87.979-87.987min, 1/K0=0.84

Cmpd 119387, +MS2(636.3455), 37.0eV, 87.991-87.993min, 1/K0=0.87  
Cmpd 119416, +MS2(954.0285), 42.0eV, 88.0min, 1/K0=1.080 #44738  
Cmpd 119259, +MS2(954.0286), 42.0eV, 87.953-87.957min, 1/K0=1.07  
Cmpd 119285, +MS2(954.0291), 42.0eV, 88.0min, 1/K0=1.080 #44717  
Cmpd 105537, +MS2(647.3543), 31.9eV, 84.411-84.412min, 1/K0=0.85  
Cmpd 105442, +MS2(666.3650), 37.0eV, 84.4min, 1/K0=0.892 #42871  
Cmpd 120307, +MS2(680.0288), 37.0eV, 88.225-88.227min, 1/K0=0.87  
Cmpd 120162, +MS2(1019.5449), 42.0eV, 88.2min, 1/K0=1.102 #44837  
Cmpd 105352, +MS2(781.0845), 37.0eV, 84.4min, 1/K0=0.986 #42857  
Cmpd 118735, +MS2(820.4849), 37.0eV, 87.786-87.789min, 1/K0=0.98  
Cmpd 118796, +MS2(820.4873), 37.0eV, 87.803-87.805min, 1/K0=0.98  
Cmpd 118780, +MS2(820.4895), 37.0eV, 87.8min, 1/K0=1.020 #44630  
Cmpd 112865, +MS2(855.4087), 37.0eV, 86.3min, 1/K0=0.898 #43858  
Cmpd 119761, +MS2(864.1686), 37.0eV, 88.1min, 1/K0=1.031 #44784  
Cmpd 112999, +MS2(941.1106), 37.0eV, 86.328-86.330min, 1/K0=0.92  
Cmpd 112962, +MS2(974.1331), 37.0eV, 86.3min, 1/K0=0.962 #43870  
Cmpd 112786, +MS2(1084.5302), 37.0eV, 86.3min, 1/K0=1.049 #43848  
Cmpd 8837, +MS2(579.3037), 31.9eV, 43.170-43.172min, 1/K0=0.845 #21121  
Cmpd 8916, +MS2(579.3044), 31.9eV, 43.2min, 1/K0=0.846 #21121  
Cmpd 7661, +MS2(579.3053), 31.9eV, 42.343-42.347min, 1/K0=0.854 #21121  
Cmpd 31986, +MS2(599.8554), 37.0eV, 56.3min, 1/K0=0.857 #28090  
Cmpd 104252, +MS2(632.8301), 37.0eV, 83.968-83.970min, 1/K0=0.87  
Cmpd 7675, +MS2(643.3523), 37.0eV, 42.360-42.363min, 1/K0=0.879 #28097  
Cmpd 32032, +MS2(650.3812), 37.0eV, 56.4min, 1/K0=0.889 #28097  
Cmpd 32984, +MS2(685.8963), 37.0eV, 56.8min, 1/K0=0.922 #28316  
Cmpd 31848, +MS2(685.8997), 37.0eV, 56.3min, 1/K0=0.909 #28062  
Cmpd 32012, +MS2(685.9012), 37.0eV, 56.3min, 1/K0=0.910 #28095  
Cmpd 7607, +MS2(692.8852), 37.0eV, 42.30-42.31min, 1/K0=0.949 #28095  
Cmpd 31885, +MS2(742.9171), 37.0eV, 56.299-56.305min, 1/K0=0.970  
Cmpd 31730, +MS2(786.4303), 37.0eV, 56.231-56.236min, 1/K0=0.981  
Cmpd 32194, +MS2(786.4323), 37.0eV, 56.4min, 1/K0=0.978 #28139  
Cmpd 31806, +MS2(786.4341), 37.0eV, 56.3min, 1/K0=0.984 #28052  
Cmpd 32313, +MS2(786.4347), 31.9eV, 56.490-56.492min, 1/K0=0.851  
Cmpd 31902, +MS2(786.4351), 37.0eV, 56.3min, 1/K0=0.988 #28073  
Cmpd 32863, +MS2(786.4356), 37.0eV, 56.7min, 1/K0=0.982 #28294  
Cmpd 58069, +MS2(789.4340), 37.0eV, 66.911-66.921min, 1/K0=0.997  
Cmpd 57956, +MS2(838.9694), 37.0eV, 66.87-66.89min, 1/K0=1.031 #28095  
Cmpd 87357, +MS2(874.9797), 37.0eV, 77.687-77.689min, 1/K0=1.043  
Cmpd 84846, +MS2(874.9811), 37.0eV, 76.7min, 1/K0=1.045 #38833  
Cmpd 85203, +MS2(874.9817), 37.0eV, 76.8min, 1/K0=1.045 #38908  
Cmpd 84687, +MS2(874.9805), 37.0eV, 76.643-76.644min, 1/K0=1.048  
Cmpd 86272, +MS2(874.9827), 37.0eV, 77.3min, 1/K0=1.042 #39130  
Cmpd 57978, +MS2(882.4867), 42.0eV, 66.876-66.881min, 1/K0=1.061  
Cmpd 103891, +MS2(904.9655), 42.0eV, 83.834-83.836min, 1/K0=1.07  
Cmpd 105329, +MS2(904.9654), 42.0eV, 84.346-84.348min, 1/K0=1.07  
Cmpd 104113, +MS2(904.9653), 42.0eV, 83.9min, 1/K0=1.076 #42627  
Cmpd 57855, +MS2(939.0266), 42.0eV, 66.83-66.84min, 1/K0=1.116 #28095  
Cmpd 84952, +MS2(646.3387), 31.9eV, 76.747-76.749min, 1/K0=0.824



	Cmpd 84761, +MS2(646.3417), 31.9eV, 76.673-76.675min, 1/K0=0.824
	Cmpd 84730, +MS2(646.3417), 31.9eV, 76.7min, 1/K0=0.840 #38809
0.02000000000000000.0	Cmpd 64625, +MS2(651.6720), 31.9eV, 69.416-69.420min, 1/K0=0.832
0.02000000000000000.0	Cmpd 84841, +MS2(651.6725), 31.9eV, 76.70-76.72min, 1/K0=0.830 #
0.000002000000000000000.0	Cmpd 91696, +MS2(1166.5250), 42.0eV, 79.401-79.407min, 1/K0=1.13
0.000002000000000000000.0	Cmpd 92969, +MS2(1166.5287), 42.0eV, 79.9min, 1/K0=1.144 #40515
0.000002000000000000000.0	Cmpd 92527, +MS2(1166.5287), 42.0eV, 79.729-79.731min, 1/K0=1.13
0.000002000000000000000.0	Cmpd 92869, +MS2(1166.5288), 42.0eV, 79.856-79.859min, 1/K0=1.15
0.000002000000000000000.0	Cmpd 91904, +MS2(1166.5308), 42.0eV, 79.5min, 1/K0=1.137 #40295
	Cmpd 87606, +MS2(862.7386), 37.0eV, 77.794-77.798min, 1/K0=0.890
	Cmpd 86169, +MS2(862.7392), 37.0eV, 77.2min, 1/K0=0.891 #39106
	Cmpd 86334, +MS2(862.7363), 31.9eV, 77.293-77.297min, 1/K0=0.840
	Cmpd 86499, +MS2(862.7386), 37.0eV, 77.3min, 1/K0=0.900 #39173
	Cmpd 85963, +MS2(862.7401), 37.0eV, 77.1min, 1/K0=0.891 #39065
	Cmpd 87571, +MS2(862.7420), 37.0eV, 77.8min, 1/K0=0.885 #39400
	Cmpd 86009, +MS2(862.7390), 37.0eV, 77.2min, 1/K0=0.914 #39074
0.00000200000000000000000.0	Cmpd 68806, +MS2(868.0661), 37.0eV, 70.877-70.879min, 1/K0=0.946
	Cmpd 9812, +MS2(478.2910), 31.9eV, 43.8min, 1/K0=0.770 #21462
	Cmpd 33393, +MS2(480.7315), 31.9eV, 56.952-56.954min, 1/K0=0.736
	Cmpd 33443, +MS2(480.7330), 31.9eV, 56.975-56.977min, 1/K0=0.734
	Cmpd 114840, +MS2(498.2610), 31.9eV, 86.78-86.80min, 1/K0=0.756 #
	Cmpd 63123, +MS2(523.7742), 31.9eV, 68.846-68.848min, 1/K0=0.774
	Cmpd 33421, +MS2(530.2677), 31.9eV, 56.969-56.971min, 1/K0=0.776
	Cmpd 63305, +MS2(559.2929), 31.9eV, 68.92-68.93min, 1/K0=0.789 #
	Cmpd 32247, +MS2(560.3029), 31.9eV, 56.5min, 1/K0=0.803 #28151
	Cmpd 32374, +MS2(560.3043), 31.9eV, 56.5min, 1/K0=0.803 #28183
	Cmpd 115158, +MS2(562.3089), 31.9eV, 86.867-86.869min, 1/K0=0.81
	Cmpd 114858, +MS2(562.3091), 31.9eV, 86.788-86.792min, 1/K0=0.78
	Cmpd 33289, +MS2(565.7867), 31.9eV, 56.901-56.903min, 1/K0=0.815
	Cmpd 33534, +MS2(565.7881), 31.9eV, 57.0min, 1/K0=0.804 #28448
	Cmpd 42685, +MS2(583.7843), 31.9eV, 60.9min, 1/K0=0.822 #30475
	Cmpd 65285, +MS2(615.8335), 31.9eV, 69.674-69.676min, 1/K0=0.842
	Cmpd 64093, +MS2(615.8343), 31.9eV, 69.2min, 1/K0=0.845 #34904
	Cmpd 64351, +MS2(615.8345), 31.9eV, 69.3min, 1/K0=0.844 #34949
	Cmpd 62968, +MS2(615.8368), 31.9eV, 68.8min, 1/K0=0.844 #34654
	Cmpd 63728, +MS2(615.8369), 31.9eV, 69.1min, 1/K0=0.828 #34827
	Cmpd 63075, +MS2(615.8369), 31.9eV, 68.8min, 1/K0=0.844 #34684
	Cmpd 33795, +MS2(622.3290), 37.0eV, 57.1min, 1/K0=0.886 #28515
	Cmpd 33351, +MS2(622.3304), 37.0eV, 56.9min, 1/K0=0.878 #28403
	Cmpd 45738, +MS2(624.3341), 31.9eV, 62.1min, 1/K0=0.844 #31110
	Cmpd 45935, +MS2(624.3353), 31.9eV, 62.1min, 1/K0=0.836 #31154
	Cmpd 45926, +MS2(624.3353), 31.9eV, 62.1min, 1/K0=0.849 #31153
	Cmpd 105565, +MS2(643.3572), 31.9eV, 84.4min, 1/K0=0.850 #42891
	Cmpd 105245, +MS2(643.3575), 31.9eV, 84.3min, 1/K0=0.851 #42836
	Cmpd 33526, +MS2(657.8537), 37.0eV, 57.0min, 1/K0=0.914 #28447
	Cmpd 52745, +MS2(758.9245), 37.0eV, 64.8min, 1/K0=0.950 #32583
	Cmpd 82585, +MS2(778.9248), 37.0eV, 75.9min, 1/K0=1.012 #38391
	Cmpd 114936, +MS2(797.4599), 37.0eV, 86.8min, 1/K0=1.010 #44123

Cmpd 114811, +MS2(832.9778), 37.0eV, 86.8min, 1/K0=1.032 #44108  
Cmpd 114875, +MS2(832.9798), 37.0eV, 86.8min, 1/K0=1.032 #44115  
Cmpd 120115, +MS2(855.9683), 37.0eV, 88.2min, 1/K0=1.023 #44829  
Cmpd 114788, +MS2(654.6942), 31.9eV, 86.768-86.770min, 1/K0=0.81  
Cmpd 114925, +MS2(654.6938), 31.9eV, 86.8min, 1/K0=0.810 #44122  
Cmpd 114950, +MS2(654.6957), 31.9eV, 86.8min, 1/K0=0.849 #44124  
Cmpd 114924, +MS2(654.6966), 37.0eV, 86.81-86.82min, 1/K0=0.877 #44124  
Cmpd 114758, +MS2(981.5454), 42.0eV, 86.8min, 1/K0=1.113 #44101  
Cmpd 114834, +MS2(981.5446), 42.0eV, 86.8min, 1/K0=1.134 #44111  
Cmpd 114920, +MS2(981.5474), 42.0eV, 86.8min, 1/K0=1.119 #44122  
Cmpd 114972, +MS2(697.7070), 31.9eV, 86.8min, 1/K0=0.830 #44128  
Cmpd 115039, +MS2(697.7067), 31.9eV, 86.831-86.839min, 1/K0=0.84  
Cmpd 114889, +MS2(697.7120), 37.0eV, 86.798-86.800min, 1/K0=0.90  
Cmpd 121330, +MS2(1100.5829), 42.0eV, 88.5min, 1/K0=1.167 #44980  
Cmpd 111684, +MS2(744.4281), 37.0eV, 86.0min, 1/K0=0.944 #43705  
Cmpd 115238, +MS2(759.0845), 37.0eV, 86.886-86.888min, 1/K0=0.88  
Cmpd 115152, +MS2(759.0850), 37.0eV, 86.865-86.867min, 1/K0=0.88  
Cmpd 114833, +MS2(1138.1250), 42.0eV, 86.8min, 1/K0=1.189 #44111  
Cmpd 108543, +MS2(794.4299), 37.0eV, 85.2min, 1/K0=0.984 #43300  
Cmpd 108692, +MS2(827.4564), 37.0eV, 85.247-85.248min, 1/K0=1.01  
Cmpd 108591, +MS2(851.1366), 37.0eV, 85.2min, 1/K0=1.024 #43308  
Cmpd 123600, +MS2(1370.2183), 47.0eV, 89.1min, 1/K0=1.270 #45322  
Cmpd 108451, +MS2(929.1683), 42.0eV, 85.2min, 1/K0=1.082 #43289  
Cmpd 108590, +MS2(929.1698), 42.0eV, 85.2min, 1/K0=1.079 #43308  
Cmpd 69207, +MS2(515.2953), 31.9eV, 71.017-71.021min, 1/K0=0.782  
Cmpd 88733, +MS2(558.8259), 31.9eV, 78.253-78.257min, 1/K0=0.833  
Cmpd 7753, +MS2(570.3258), 37.0eV, 42.4min, 1/K0=0.864 #20703  
Cmpd 8385, +MS2(570.3289), 37.0eV, 42.8min, 1/K0=0.860 #20923  
Cmpd 7567, +MS2(570.3290), 37.0eV, 42.259-42.262min, 1/K0=0.871 #20703  
Cmpd 7630, +MS2(570.3291), 37.0eV, 42.3min, 1/K0=0.868 #20648  
Cmpd 69191, +MS2(571.8403), 31.9eV, 71.0min, 1/K0=0.847 #35838  
Cmpd 69240, +MS2(571.8409), 31.9eV, 71.033-71.036min, 1/K0=0.847  
Cmpd 111293, +MS2(593.8212), 31.9eV, 85.899-85.901min, 1/K0=0.82  
Cmpd 111213, +MS2(593.8227), 31.9eV, 85.879-85.881min, 1/K0=0.82  
Cmpd 110630, +MS2(622.8380), 37.0eV, 85.726-85.732min, 1/K0=0.87  
Cmpd 110775, +MS2(622.8382), 37.0eV, 85.8min, 1/K0=0.873 #43584  
Cmpd 69014, +MS2(628.3813), 37.0eV, 70.949-70.950min, 1/K0=0.909  
Cmpd 69272, +MS2(628.3829), 37.0eV, 71.0min, 1/K0=0.911 #35851  
Cmpd 102652, +MS2(638.3202), 37.0eV, 83.4min, 1/K0=0.880 #42365  
Cmpd 88817, +MS2(671.8726), 37.0eV, 78.3min, 1/K0=0.936 #39667  
Cmpd 88422, +MS2(671.8764), 37.0eV, 78.1min, 1/K0=0.933 #39581  
Cmpd 88546, +MS2(671.8766), 37.0eV, 78.2min, 1/K0=0.934 #39612  
Cmpd 102424, +MS2(688.8481), 37.0eV, 83.346-83.348min, 1/K0=0.92  
Cmpd 48770, +MS2(690.8989), 31.9eV, 63.3min, 1/K0=0.800 #31749  
Cmpd 48358, +MS2(690.8997), 37.0eV, 63.1min, 1/K0=0.949 #31659  
Cmpd 51571, +MS2(690.9000), 37.0eV, 64.4min, 1/K0=0.950 #32355  
Cmpd 48582, +MS2(690.9003), 31.9eV, 63.189-63.191min, 1/K0=0.818  
Cmpd 48627, +MS2(690.9025), 37.0eV, 63.206-63.209min, 1/K0=0.862

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Cmpd 48516, +MS2(690.9009), 37.0eV, 63.2min, 1/K0=0.948 #31692  
Cmpd 50541, +MS2(690.9010), 37.0eV, 64.0min, 1/K0=0.952 #32132  
Cmpd 49503, +MS2(690.9043), 37.0eV, 63.6min, 1/K0=0.949 #31912  
Cmpd 88764, +MS2(728.4184), 37.0eV, 78.3min, 1/K0=0.996 #39657  
Cmpd 102644, +MS2(762.3796), 37.0eV, 83.4min, 1/K0=0.992 #42364  
Cmpd 102392, +MS2(762.3809), 37.0eV, 83.333-83.337min, 1/K0=0.98  
Cmpd 41445, +MS2(764.3336), 37.0eV, 60.3min, 1/K0=0.929 #30207  
Cmpd 41226, +MS2(764.3359), 37.0eV, 60.253-60.255min, 1/K0=0.934  
Cmpd 88815, +MS2(771.9343), 37.0eV, 78.3min, 1/K0=1.032 #39667  
Cmpd 88425, +MS2(771.9350), 37.0eV, 78.1min, 1/K0=1.030 #39582  
Cmpd 88544, +MS2(771.9354), 37.0eV, 78.2min, 1/K0=1.030 #39612  
Cmpd 16166, +MS2(772.3294), 37.0eV, 47.932-47.938min, 1/K0=0.925  
Cmpd 16270, +MS2(772.3318), 37.0eV, 47.993-47.998min, 1/K0=0.919  
Cmpd 119750, +MS2(786.4173), 37.0eV, 88.1min, 1/K0=0.959 #44783  
Cmpd 88652, +MS2(807.4545), 42.0eV, 78.2min, 1/K0=1.067 #39634  
Cmpd 88387, +MS2(807.4545), 42.0eV, 78.112-78.114min, 1/K0=1.067  
Cmpd 102554, +MS2(847.4341), 37.0eV, 83.4min, 1/K0=1.042 #42352  
Cmpd 102337, +MS2(847.4333), 37.0eV, 83.318-83.320min, 1/K0=1.04  
Cmpd 102282, +MS2(847.4348), 37.0eV, 83.3min, 1/K0=1.043 #42306  
Cmpd 121433, +MS2(892.4638), 37.0eV, 88.5min, 1/K0=1.029 #44991  
Cmpd 88548, +MS2(614.6729), 31.9eV, 78.2min, 1/K0=0.833 #39612  
Cmpd 88459, +MS2(614.6738), 37.0eV, 78.141-78.143min, 1/K0=0.857  
Cmpd 90712, +MS2(921.5073), 42.0eV, 79.0min, 1/K0=1.167 #40052  
Cmpd 88655, +MS2(614.6740), 37.0eV, 78.2min, 1/K0=0.863 #39634  
Cmpd 88542, +MS2(921.5080), 42.0eV, 78.2min, 1/K0=1.166 #39612  
Cmpd 122813, +MS2(967.5008), 42.0eV, 88.866-88.870min, 1/K0=1.07  
Cmpd 120909, +MS2(967.4989), 42.0eV, 88.4min, 1/K0=1.065 #44927  
Cmpd 116097, +MS2(668.6759), 31.9eV, 87.111-87.115min, 1/K0=0.79  
Cmpd 120362, +MS2(685.0343), 31.9eV, 88.236-88.238min, 1/K0=0.80  
Cmpd 120506, +MS2(685.0384), 37.0eV, 88.270-88.271min, 1/K0=0.88  
Cmpd 120440, +MS2(1027.0561), 42.0eV, 88.3min, 1/K0=1.107 #44870  
Cmpd 120248, +MS2(1027.0571), 42.0eV, 88.2min, 1/K0=1.107 #44848  
Cmpd 114139, +MS2(1032.0467), 42.0eV, 86.6min, 1/K0=1.122 #44023  
Cmpd 114004, +MS2(1032.0478), 42.0eV, 86.6min, 1/K0=1.122 #44004  
Cmpd 47714, +MS2(727.3275), 31.9eV, 62.8min, 1/K0=0.788 #31516  
Cmpd 48718, +MS2(727.3263), 31.9eV, 63.2min, 1/K0=0.796 #31737  
Cmpd 46526, +MS2(727.3269), 31.9eV, 62.4min, 1/K0=0.795 #31296  
Cmpd 45222, +MS2(727.3273), 31.9eV, 61.817-61.821min, 1/K0=0.788  
Cmpd 45386, +MS2(727.3270), 31.9eV, 61.9min, 1/K0=0.788 #31021  
Cmpd 45606, +MS2(727.3284), 31.9eV, 62.0min, 1/K0=0.790 #31076  
Cmpd 45940, +MS2(727.3276), 31.9eV, 62.1min, 1/K0=0.824 #31155  
Cmpd 117281, +MS2(1123.6057), 42.0eV, 87.423-87.425min, 1/K0=1.1  
Cmpd 117466, +MS2(1123.6068), 42.0eV, 87.5min, 1/K0=1.150 #44463  
Cmpd 117331, +MS2(1123.6046), 42.0eV, 87.4min, 1/K0=1.175 #44443  
Cmpd 117389, +MS2(749.4087), 37.0eV, 87.5min, 1/K0=0.973 #44452  
Cmpd 48212, +MS2(485.2735), 31.9eV, 63.0min, 1/K0=0.741 #31627  
Cmpd 29033, +MS2(485.2754), 31.9eV, 54.901-54.907min, 1/K0=0.739  
Cmpd 46580, +MS2(508.2836), 31.9eV, 62.4min, 1/K0=0.763 #31307

Cmpd 98928, +MS2(550.7656), 31.9eV, 82.015-82.025min, 1/K0=0.781  
Cmpd 4467, +MS2(561.7949), 31.9eV, 39.561-39.563min, 1/K0=0.826  
Cmpd 3890, +MS2(561.7962), 31.9eV, 39.067-39.068min, 1/K0=0.812  
Cmpd 4492, +MS2(561.7967), 31.9eV, 39.580-39.583min, 1/K0=0.828  
Cmpd 4016, +MS2(561.7968), 31.9eV, 39.2min, 1/K0=0.810 #18965  
Cmpd 4921, +MS2(561.7972), 31.9eV, 39.994-40.001min, 1/K0=0.818  
Cmpd 48238, +MS2(571.2997), 31.9eV, 63.047-63.051min, 1/K0=0.798  
Cmpd 46304, +MS2(608.3265), 37.0eV, 62.304-62.306min, 1/K0=0.874  
Cmpd 46579, +MS2(608.3260), 31.9eV, 62.4min, 1/K0=0.845 #31307  
Cmpd 46488, +MS2(608.3260), 37.0eV, 62.4min, 1/K0=0.878 #31287  
Cmpd 46688, +MS2(608.3263), 37.0eV, 62.5min, 1/K0=0.861 #31329  
Cmpd 86442, +MS2(612.8013), 31.9eV, 77.329-77.331min, 1/K0=0.820  
Cmpd 16585, +MS2(619.8439), 31.9eV, 48.185-48.188min, 1/K0=0.850  
Cmpd 17477, +MS2(619.8440), 31.9eV, 48.7min, 1/K0=0.850 #24059  
Cmpd 16668, +MS2(619.8444), 31.9eV, 48.2min, 1/K0=0.840 #23794  
Cmpd 16738, +MS2(619.8446), 31.9eV, 48.3min, 1/K0=0.854 #23816  
Cmpd 16635, +MS2(619.8447), 31.9eV, 48.2min, 1/K0=0.852 #23784  
Cmpd 16851, +MS2(619.8451), 31.9eV, 48.3min, 1/K0=0.835 #23849  
Cmpd 110814, +MS2(630.8419), 31.9eV, 85.8min, 1/K0=0.847 #43589  
Cmpd 23577, +MS2(644.3590), 37.0eV, 52.056-52.058min, 1/K0=0.892  
Cmpd 5520, +MS2(659.3103), 31.9eV, 40.574-40.580min, 1/K0=0.848  
Cmpd 114785, +MS2(679.8921), 37.0eV, 86.8min, 1/K0=0.969 #44103  
Cmpd 86323, +MS2(705.8532), 37.0eV, 77.3min, 1/K0=0.915 #39141  
Cmpd 86210, +MS2(705.8532), 37.0eV, 77.2min, 1/K0=0.893 #39117  
Cmpd 86133, +MS2(705.8536), 37.0eV, 77.206-77.210min, 1/K0=0.894  
Cmpd 86749, +MS2(705.8536), 37.0eV, 77.5min, 1/K0=0.875 #39227  
Cmpd 88116, +MS2(705.8537), 37.0eV, 78.001-78.002min, 1/K0=0.907  
Cmpd 86491, +MS2(705.8537), 37.0eV, 77.3min, 1/K0=0.894 #39172  
Cmpd 88568, +MS2(705.8540), 37.0eV, 78.2min, 1/K0=0.892 #39615  
Cmpd 86482, +MS2(705.8541), 37.0eV, 77.3min, 1/K0=0.921 #39171  
Cmpd 86541, +MS2(705.8546), 37.0eV, 77.4min, 1/K0=0.914 #39183  
Cmpd 87534, +MS2(705.8561), 37.0eV, 77.8min, 1/K0=0.892 #39392  
Cmpd 23569, +MS2(744.3988), 37.0eV, 52.1min, 1/K0=0.947 #25820  
Cmpd 34095, +MS2(744.3997), 37.0eV, 57.2min, 1/K0=0.962 #28571  
Cmpd 23438, +MS2(744.4008), 37.0eV, 51.988-51.992min, 1/K0=0.948  
Cmpd 114746, +MS2(806.4642), 37.0eV, 86.8min, 1/K0=0.994 #44100  
Cmpd 114876, +MS2(806.4655), 37.0eV, 86.792-86.798min, 1/K0=0.98  
Cmpd 75422, +MS2(664.0394), 31.9eV, 73.3min, 1/K0=0.803 #37039  
Cmpd 113302, +MS2(1001.0255), 42.0eV, 86.4min, 1/K0=1.217 #43914  
Cmpd 62550, +MS2(725.7455), 31.9eV, 68.576-68.581min, 1/K0=0.821  
Cmpd 81599, +MS2(733.7019), 31.9eV, 75.490-75.495min, 1/K0=0.770  
Cmpd 81055, +MS2(733.7046), 31.9eV, 75.3min, 1/K0=0.835 #38094  
Cmpd 81248, +MS2(733.7045), 31.9eV, 75.4min, 1/K0=0.816 #38127  
Cmpd 81494, +MS2(733.7069), 37.0eV, 75.4min, 1/K0=0.860 #38172  
Cmpd 81508, +MS2(733.7058), 31.9eV, 75.45-75.47min, 1/K0=0.771 #38172  
Cmpd 81418, +MS2(733.7069), 31.9eV, 75.4min, 1/K0=0.843 #38160  
Cmpd 83664, +MS2(733.7055), 31.9eV, 76.268-76.270min, 1/K0=0.837  
Cmpd 81303, +MS2(733.7069), 37.0eV, 75.4min, 1/K0=0.857 #38138

Cmpd 82546, +MS2(733.7073), 31.9eV, 75.8min, 1/K0=0.837 #38381  
Cmpd 109972, +MS2(1185.6453), 47.0eV, 85.567-85.569min, 1/K0=1.3  
Cmpd 98872, +MS2(824.0883), 37.0eV, 82.002-82.004min, 1/K0=0.872  
Cmpd 99950, +MS2(824.0888), 37.0eV, 82.408-82.410min, 1/K0=0.863  
Cmpd 115689, +MS2(827.7905), 37.0eV, 87.0min, 1/K0=0.949 #44224  
Cmpd 89664, +MS2(834.7482), 37.0eV, 78.6min, 1/K0=0.968 #39854  
Cmpd 82355, +MS2(877.4641), 37.0eV, 75.8min, 1/K0=0.950 #38337  
Cmpd 115680, +MS2(912.1722), 37.0eV, 87.0min, 1/K0=0.950 #44223  
Cmpd 28113, +MS2(553.7442), 31.9eV, 54.391-54.394min, 1/K0=0.777  
Cmpd 101465, +MS2(610.3124), 31.9eV, 83.0min, 1/K0=0.847 #42142  
Cmpd 51964, +MS2(671.8744), 37.0eV, 64.6min, 1/K0=0.925 #32440  
Cmpd 51743, +MS2(671.8747), 37.0eV, 64.5min, 1/K0=0.939 #32396  
Cmpd 51842, +MS2(671.8752), 37.0eV, 64.5min, 1/K0=0.920 #32418  
Cmpd 27749, +MS2(717.8345), 37.0eV, 54.213-54.217min, 1/K0=0.899  
Cmpd 29760, +MS2(717.8307), 37.0eV, 55.249-55.251min, 1/K0=0.889  
Cmpd 29718, +MS2(717.8316), 37.0eV, 55.2min, 1/K0=0.888 #27501  
Cmpd 28854, +MS2(717.8316), 37.0eV, 54.8min, 1/K0=0.879 #27281  
Cmpd 28233, +MS2(717.8322), 37.0eV, 54.5min, 1/K0=0.918 #27094  
Cmpd 30567, +MS2(717.8320), 37.0eV, 55.6min, 1/K0=0.902 #27721  
Cmpd 27854, +MS2(717.8319), 37.0eV, 54.3min, 1/K0=0.897 #26995  
Cmpd 31384, +MS2(717.8321), 37.0eV, 56.1min, 1/K0=0.895 #27942  
Cmpd 29467, +MS2(717.8321), 37.0eV, 55.1min, 1/K0=0.918 #27437  
Cmpd 28048, +MS2(717.8321), 37.0eV, 54.4min, 1/K0=0.917 #27041  
Cmpd 27867, +MS2(717.8319), 37.0eV, 54.3min, 1/K0=0.910 #26997  
Cmpd 29251, +MS2(717.8336), 37.0eV, 55.0min, 1/K0=0.915 #27380  
Cmpd 28036, +MS2(717.8330), 37.0eV, 54.4min, 1/K0=0.898 #27039  
Cmpd 27969, +MS2(717.8341), 37.0eV, 54.324-54.328min, 1/K0=0.922  
Cmpd 33279, +MS2(717.8343), 37.0eV, 56.893-56.895min, 1/K0=0.897  
Cmpd 28771, +MS2(717.8345), 37.0eV, 54.8min, 1/K0=0.897 #27259  
Cmpd 33324, +MS2(717.8345), 37.0eV, 56.916-56.922min, 1/K0=0.897  
Cmpd 32280, +MS2(717.8361), 37.0eV, 56.473-56.477min, 1/K0=0.900  
Cmpd 27883, +MS2(721.8585), 37.0eV, 54.286-54.290min, 1/K0=0.888  
Cmpd 116910, +MS2(723.3615), 37.0eV, 87.3min, 1/K0=0.916 #44386  
Cmpd 101205, +MS2(723.3623), 37.0eV, 82.9min, 1/K0=0.915 #42098  
Cmpd 101204, +MS2(873.4169), 37.0eV, 82.9min, 1/K0=0.994 #42098  
Cmpd 105000, +MS2(909.9383), 37.0eV, 84.2min, 1/K0=1.042 #42793  
Cmpd 104990, +MS2(909.9395), 37.0eV, 84.2min, 1/K0=1.029 #42791  
Cmpd 105181, +MS2(909.9381), 37.0eV, 84.3min, 1/K0=1.044 #42825  
Cmpd 104997, +MS2(909.9411), 37.0eV, 84.2min, 1/K0=1.016 #42792  
Cmpd 105351, +MS2(909.9382), 37.0eV, 84.4min, 1/K0=1.032 #42857  
Cmpd 105244, +MS2(909.9406), 37.0eV, 84.3min, 1/K0=1.030 #42836  
Cmpd 105294, +MS2(909.9389), 37.0eV, 84.3min, 1/K0=1.031 #42846  
Cmpd 94838, +MS2(657.9970), 31.9eV, 80.661-80.665min, 1/K0=0.795  
Cmpd 101238, +MS2(657.9975), 31.9eV, 82.9min, 1/K0=0.790 #42101  
Cmpd 95029, +MS2(657.9994), 31.9eV, 80.733-80.735min, 1/K0=0.844  
Cmpd 94998, +MS2(658.0010), 31.9eV, 80.7min, 1/K0=0.846 #40952  
Cmpd 103531, +MS2(724.3634), 31.9eV, 83.715-83.719min, 1/K0=0.81  
Cmpd 100949, +MS2(724.3652), 31.9eV, 82.806-82.808min, 1/K0=0.84

Cmpd 103993, +MS2(724.3648), 31.9eV, 83.9min, 1/K0=0.815 #42604  
Cmpd 102252, +MS2(724.3656), 31.9eV, 83.3min, 1/K0=0.846 #42297  
Cmpd 102243, +MS2(724.3664), 31.9eV, 83.3min, 1/K0=0.818 #42296  
Cmpd 101351, +MS2(724.3660), 37.0eV, 82.9min, 1/K0=0.866 #42120  
Cmpd 101120, +MS2(724.3661), 31.9eV, 82.9min, 1/K0=0.834 #42077  
Cmpd 101111, +MS2(724.3663), 31.9eV, 82.9min, 1/K0=0.817 #42076  
Cmpd 101138, +MS2(724.3668), 37.0eV, 82.9min, 1/K0=0.867 #42082  
Cmpd 64166, +MS2(701.8591), 37.0eV, 69.268-69.270min, 1/K0=0.903  
Cmpd 65436, +MS2(701.8598), 37.0eV, 69.727-69.729min, 1/K0=0.901  
Cmpd 61940, +MS2(701.8611), 37.0eV, 68.358-68.360min, 1/K0=0.872  
Cmpd 62681, +MS2(701.8624), 37.0eV, 68.6min, 1/K0=0.898 #34586  
Cmpd 61568, +MS2(701.8631), 37.0eV, 68.2min, 1/K0=0.902 #34367  
Cmpd 62628, +MS2(701.8635), 37.0eV, 68.6min, 1/K0=0.921 #34574  
Cmpd 61402, +MS2(701.8640), 37.0eV, 68.2min, 1/K0=0.898 #34333  
Cmpd 72712, +MS2(701.8647), 37.0eV, 72.325-72.327min, 1/K0=0.897  
Cmpd 117265, +MS2(708.9134), 37.0eV, 87.415-87.417min, 1/K0=0.94  
Cmpd 117313, +MS2(708.9155), 37.0eV, 87.4min, 1/K0=0.949 #44441  
Cmpd 117469, +MS2(708.9161), 37.0eV, 87.5min, 1/K0=0.950 #44463  
Cmpd 63775, +MS2(808.9260), 37.0eV, 69.1min, 1/K0=0.967 #34838  
Cmpd 62832, +MS2(808.9262), 37.0eV, 68.708-68.712min, 1/K0=1.049  
Cmpd 61255, +MS2(808.9265), 37.0eV, 68.099-68.101min, 1/K0=0.966  
Cmpd 61401, +MS2(808.9274), 37.0eV, 68.2min, 1/K0=0.967 #34333  
Cmpd 64983, +MS2(808.9275), 37.0eV, 69.557-69.559min, 1/K0=0.962  
Cmpd 61935, +MS2(808.9280), 37.0eV, 68.354-68.358min, 1/K0=1.010  
Cmpd 62814, +MS2(808.9288), 37.0eV, 68.7min, 1/K0=0.980 #34619  
Cmpd 61731, +MS2(808.9279), 37.0eV, 68.284-68.287min, 1/K0=1.040  
Cmpd 61732, +MS2(808.9298), 37.0eV, 68.3min, 1/K0=0.969 #34398  
Cmpd 94454, +MS2(906.4648), 42.0eV, 80.502-80.504min, 1/K0=1.142  
Cmpd 94259, +MS2(906.4657), 37.0eV, 80.423-80.425min, 1/K0=1.043  
Cmpd 94565, +MS2(906.4671), 42.0eV, 80.553-80.555min, 1/K0=1.117  
Cmpd 95906, +MS2(906.4666), 37.0eV, 81.0min, 1/K0=1.011 #41118  
Cmpd 94323, +MS2(906.4678), 37.0eV, 80.449-80.451min, 1/K0=1.009  
Cmpd 94396, +MS2(906.4688), 37.0eV, 80.5min, 1/K0=1.040 #40822  
Cmpd 95748, +MS2(906.4679), 37.0eV, 81.0min, 1/K0=1.034 #41086  
Cmpd 94690, +MS2(906.4682), 37.0eV, 80.6min, 1/K0=1.051 #40888  
Cmpd 94592, +MS2(906.4687), 37.0eV, 80.6min, 1/K0=1.037 #40866  
Cmpd 94207, +MS2(906.4693), 37.0eV, 80.400-80.402min, 1/K0=1.004  
Cmpd 94413, +MS2(906.4694), 37.0eV, 80.483-80.485min, 1/K0=1.008  
Cmpd 94648, +MS2(906.4695), 37.0eV, 80.6min, 1/K0=1.008 #40878  
Cmpd 62843, +MS2(807.4181), 37.0eV, 68.715-68.717min, 1/K0=0.863  
Cmpd 72481, +MS2(844.7778), 37.0eV, 72.233-72.242min, 1/K0=0.888  
Cmpd 74190, +MS2(1000.1105), 37.0eV, 72.8min, 1/K0=0.935 #36797  
0.0000000000000000000000000020.0 Cmpd 61466, +MS2(1005.4438), 37.0eV, 68.185-68.187min, 1/K0=0.92  
0.000200000.0 Cmpd 120083, +MS2(1070.5840), 37.0eV, 88.2min, 1/K0=1.047 #44826  
Cmpd 25977, +MS2(587.7715), 31.9eV, 53.269-53.272min, 1/K0=0.820  
Cmpd 87285, +MS2(598.7657), 31.9eV, 77.661-77.663min, 1/K0=0.828  
Cmpd 104968, +MS2(598.7659), 31.9eV, 84.2min, 1/K0=0.825 #42787  
Cmpd 104917, +MS2(598.7663), 31.9eV, 84.203-84.205min, 1/K0=0.82

Cmpd 105069, +MS2(598.7662), 31.9eV, 84.252-84.254min, 1/K0=0.82  
Cmpd 105030, +MS2(598.7664), 31.9eV, 84.245-84.247min, 1/K0=0.82  
Cmpd 62159, +MS2(655.3248), 37.0eV, 68.4min, 1/K0=0.857 #34477  
Cmpd 87305, +MS2(655.7868), 31.9eV, 77.667-77.668min, 1/K0=0.855  
Cmpd 52655, +MS2(658.3243), 37.0eV, 64.8min, 1/K0=0.868 #32561  
Cmpd 51181, +MS2(658.3299), 37.0eV, 64.2min, 1/K0=0.857 #32264  
Cmpd 54903, +MS2(658.3303), 37.0eV, 65.687-65.691min, 1/K0=0.871  
Cmpd 53749, +MS2(658.3306), 37.0eV, 65.3min, 1/K0=0.873 #32805  
Cmpd 50971, +MS2(658.3304), 31.9eV, 64.2min, 1/K0=0.855 #32220  
Cmpd 51029, +MS2(658.3311), 37.0eV, 64.2min, 1/K0=0.869 #32232  
Cmpd 51790, +MS2(658.3317), 37.0eV, 64.5min, 1/K0=0.883 #32407  
Cmpd 51375, +MS2(658.3323), 37.0eV, 64.3min, 1/K0=0.870 #32308  
Cmpd 83985, +MS2(684.8840), 37.0eV, 76.4min, 1/K0=0.891 #38666  
Cmpd 82849, +MS2(684.8852), 37.0eV, 76.0min, 1/K0=0.893 #38446  
Cmpd 85147, +MS2(684.8855), 37.0eV, 76.8min, 1/K0=0.891 #38897  
Cmpd 87399, +MS2(740.8452), 37.0eV, 77.705-77.709min, 1/K0=0.910  
Cmpd 87374, +MS2(740.8472), 37.0eV, 77.699-77.701min, 1/K0=0.915  
Cmpd 64421, +MS2(764.3675), 37.0eV, 69.3min, 1/K0=0.946 #34961  
Cmpd 63279, +MS2(764.3677), 37.0eV, 68.9min, 1/K0=0.997 #34728  
Cmpd 63338, +MS2(764.3679), 37.0eV, 68.9min, 1/K0=0.963 #34740  
Cmpd 62330, +MS2(764.3695), 37.0eV, 68.5min, 1/K0=0.992 #34508  
Cmpd 61917, +MS2(764.3698), 37.0eV, 68.3min, 1/K0=0.953 #34432  
Cmpd 61924, +MS2(764.3698), 37.0eV, 68.350-68.352min, 1/K0=0.991  
Cmpd 61765, +MS2(764.3704), 37.0eV, 68.297-68.299min, 1/K0=0.954  
Cmpd 62393, +MS2(764.3706), 37.0eV, 68.5min, 1/K0=0.969 #34520  
Cmpd 62637, +MS2(764.3705), 37.0eV, 68.619-68.623min, 1/K0=0.931  
Cmpd 71653, +MS2(764.3705), 37.0eV, 71.897-71.899min, 1/K0=0.949  
Cmpd 62093, +MS2(764.3709), 37.0eV, 68.4min, 1/K0=0.990 #34465  
Cmpd 62331, +MS2(764.3713), 37.0eV, 68.5min, 1/K0=0.926 #34508  
Cmpd 64348, +MS2(764.3717), 37.0eV, 69.3min, 1/K0=0.984 #34949  
Cmpd 62082, +MS2(764.3717), 37.0eV, 68.4min, 1/K0=0.952 #34464  
Cmpd 87121, +MS2(846.9206), 37.0eV, 77.6min, 1/K0=0.992 #39304  
Cmpd 88354, +MS2(846.9212), 37.0eV, 78.1min, 1/K0=0.992 #39568  
Cmpd 87339, +MS2(846.9214), 37.0eV, 77.7min, 1/K0=0.992 #39348  
Cmpd 86962, +MS2(846.9244), 37.0eV, 77.539-77.541min, 1/K0=0.993  
Cmpd 29066, +MS2(577.2873), 31.9eV, 54.9min, 1/K0=0.778 #27337  
Cmpd 29897, +MS2(577.2874), 31.9eV, 55.3min, 1/K0=0.779 #27556  
Cmpd 29455, +MS2(577.2896), 31.9eV, 55.1min, 1/K0=0.795 #27435  
Cmpd 109028, +MS2(880.4369), 37.0eV, 85.3min, 1/K0=1.018 #43364  
Cmpd 109036, +MS2(985.5037), 42.0eV, 85.3min, 1/K0=1.092 #43365  
Cmpd 109050, +MS2(1029.0198), 42.0eV, 85.338-85.342min, 1/K0=1.1  
Cmpd 109035, +MS2(1144.0634), 42.0eV, 85.3min, 1/K0=1.171 #43365  
Cmpd 89258, +MS2(531.2793), 31.9eV, 78.5min, 1/K0=0.771 #39755  
Cmpd 64304, +MS2(535.7974), 31.9eV, 69.316-69.318min, 1/K0=0.843  
Cmpd 108425, +MS2(545.2849), 31.9eV, 85.2min, 1/K0=0.800 #43286  
Cmpd 20411, +MS2(551.2992), 31.9eV, 50.4min, 1/K0=0.797 #24927  
Cmpd 95069, +MS2(598.8133), 31.9eV, 80.7min, 1/K0=0.824 #40965  
Cmpd 64153, +MS2(609.3343), 37.0eV, 69.3min, 1/K0=0.911 #34916

Cmpd 89155, +MS2(644.3662), 37.0eV, 78.4min, 1/K0=0.872 #39733  
Cmpd 88895, +MS2(644.3662), 37.0eV, 78.3min, 1/K0=0.872 #39679  
Cmpd 90224, +MS2(644.3663), 37.0eV, 78.8min, 1/K0=0.874 #39956  
Cmpd 90797, +MS2(644.3690), 37.0eV, 79.0min, 1/K0=0.897 #40067  
Cmpd 38235, +MS2(652.3096), 37.0eV, 58.987-58.989min, 1/K0=0.877  
Cmpd 111212, +MS2(655.3550), 37.0eV, 85.879-85.881min, 1/K0=0.87  
Cmpd 64229, +MS2(722.4189), 37.0eV, 69.289-69.295min, 1/K0=0.964  
Cmpd 121521, +MS2(886.9571), 37.0eV, 88.5min, 1/K0=1.018 #45002  
Cmpd 108352, +MS2(916.4610), 37.0eV, 85.2min, 1/K0=1.024 #43276  
Cmpd 121550, +MS2(657.0106), 37.0eV, 88.5min, 1/K0=0.866 #45004  
Cmpd 121435, +MS2(723.7189), 37.0eV, 88.5min, 1/K0=0.921 #44991  
Cmpd 38285, +MS2(743.7010), 31.9eV, 59.007-59.011min, 1/K0=0.794  
Cmpd 37876, +MS2(1115.0518), 42.0eV, 58.829-58.839min, 1/K0=1.14  
Cmpd 38018, +MS2(743.7035), 37.0eV, 58.895-58.899min, 1/K0=0.948  
Cmpd 42691, +MS2(1115.0482), 42.0eV, 60.858-60.864min, 1/K0=1.14  
Cmpd 38565, +MS2(743.7028), 37.0eV, 59.122-59.124min, 1/K0=0.921  
Cmpd 38428, +MS2(743.7025), 31.9eV, 59.069-59.070min, 1/K0=0.810  
Cmpd 37917, +MS2(1115.0512), 42.0eV, 58.850-58.854min, 1/K0=1.15  
Cmpd 38363, +MS2(743.7030), 37.0eV, 59.0min, 1/K0=0.923 #29516  
Cmpd 38152, +MS2(743.7037), 37.0eV, 59.0min, 1/K0=0.947 #29470  
Cmpd 41867, +MS2(1115.0513), 42.0eV, 60.51-60.53min, 1/K0=1.130 #29449  
Cmpd 38054, +MS2(1115.0524), 42.0eV, 58.9min, 1/K0=1.150 #29449  
Cmpd 38246, +MS2(1115.0526), 42.0eV, 59.0min, 1/K0=1.148 #29492  
Cmpd 40858, +MS2(1115.0493), 42.0eV, 60.098-60.100min, 1/K0=1.13  
Cmpd 39255, +MS2(1115.0530), 42.0eV, 59.4min, 1/K0=1.145 #29723  
Cmpd 38194, +MS2(1115.0542), 42.0eV, 59.0min, 1/K0=1.148 #29481  
Cmpd 42708, +MS2(1115.0548), 42.0eV, 60.87-60.88min, 1/K0=1.124 #29602  
Cmpd 38740, +MS2(1115.0545), 42.0eV, 59.2min, 1/K0=1.126 #29602  
Cmpd 40232, +MS2(1115.0527), 42.0eV, 59.8min, 1/K0=1.153 #29944  
Cmpd 24162, +MS2(795.7411), 37.0eV, 52.341-52.345min, 1/K0=0.961  
Cmpd 24314, +MS2(795.7365), 37.0eV, 52.4min, 1/K0=0.962 #26016  
Cmpd 121088, +MS2(812.4420), 37.0eV, 88.4min, 1/K0=0.906 #44948  
Cmpd 107125, +MS2(1294.6937), 47.0eV, 84.9min, 1/K0=1.260 #43125  
Cmpd 71654, +MS2(609.3520), 37.0eV, 71.9min, 1/K0=0.890 #36302  
Cmpd 72692, +MS2(609.3554), 37.0eV, 72.3min, 1/K0=0.889 #36522  
Cmpd 82746, +MS2(758.8938), 37.0eV, 75.9min, 1/K0=0.943 #38424  
Cmpd 101100, +MS2(774.9030), 37.0eV, 82.9min, 1/K0=0.950 #42075  
Cmpd 101109, +MS2(774.9061), 37.0eV, 82.9min, 1/K0=0.950 #42076  
Cmpd 73253, +MS2(780.9128), 31.9eV, 72.5min, 1/K0=0.846 #36619  
Cmpd 78262, +MS2(780.9138), 37.0eV, 74.302-74.304min, 1/K0=0.976  
Cmpd 73208, +MS2(780.9140), 37.0eV, 72.5min, 1/K0=0.976 #36609  
Cmpd 75459, +MS2(780.9161), 37.0eV, 73.3min, 1/K0=0.972 #37049  
Cmpd 74354, +MS2(780.9165), 37.0eV, 72.9min, 1/K0=0.973 #36830  
Cmpd 77172, +MS2(780.9175), 37.0eV, 73.892-73.894min, 1/K0=0.980  
Cmpd 72684, +MS2(780.9174), 37.0eV, 72.3min, 1/K0=0.974 #36521  
Cmpd 102192, +MS2(803.9813), 37.0eV, 83.3min, 1/K0=1.004 #42286  
Cmpd 103437, +MS2(803.9814), 37.0eV, 83.7min, 1/K0=1.001 #42509  
Cmpd 104630, +MS2(803.9820), 37.0eV, 84.103-84.105min, 1/K0=1.00



Cmpd 101972, +MS2(803.9826), 37.0eV, 83.2min, 1/K0=0.997 #42241  
Cmpd 100990, +MS2(887.9880), 42.0eV, 82.8min, 1/K0=1.125 #42054  
Cmpd 100812, +MS2(887.9901), 42.0eV, 82.8min, 1/K0=1.125 #42021  
Cmpd 105130, +MS2(887.9893), 37.0eV, 84.3min, 1/K0=1.042 #42815  
Cmpd 103759, +MS2(887.9901), 42.0eV, 83.790-83.792min, 1/K0=1.11  
Cmpd 102497, +MS2(887.9904), 42.0eV, 83.4min, 1/K0=1.114 #42342  
Cmpd 101828, +MS2(887.9908), 42.0eV, 83.1min, 1/K0=1.091 #42208  
Cmpd 102239, +MS2(887.9907), 37.0eV, 83.3min, 1/K0=1.043 #42296  
Cmpd 100946, +MS2(887.9921), 37.0eV, 82.8min, 1/K0=1.039 #42044  
Cmpd 103960, +MS2(887.9918), 37.0eV, 83.861-83.867min, 1/K0=1.03  
Cmpd 101347, +MS2(887.9912), 42.0eV, 82.9min, 1/K0=1.122 #42120  
Cmpd 104963, +MS2(887.9924), 42.0eV, 84.218-84.220min, 1/K0=1.11  
Cmpd 100776, +MS2(887.9935), 37.0eV, 82.745-82.747min, 1/K0=1.04  
Cmpd 101108, +MS2(887.9937), 37.0eV, 82.9min, 1/K0=1.038 #42076  
Cmpd 100895, +MS2(887.9890), 37.0eV, 82.8min, 1/K0=1.022 #42034  
Cmpd 4300, +MS2(593.5952), 31.9eV, 39.441-39.446min, 1/K0=0.760 #  
Cmpd 4182, +MS2(625.9458), 31.9eV, 39.330-39.334min, 1/K0=0.730 #  
Cmpd 4369, +MS2(625.9461), 31.9eV, 39.5min, 1/K0=0.755 #19141  
Cmpd 4224, +MS2(625.9463), 31.9eV, 39.372-39.374min, 1/K0=0.754 #  
Cmpd 4254, +MS2(658.2972), 31.9eV, 39.400-39.405min, 1/K0=0.826 #  
Cmpd 4344, +MS2(658.2986), 31.9eV, 39.476-39.478min, 1/K0=0.773 #  
Cmpd 4169, +MS2(696.3123), 31.9eV, 39.314-39.317min, 1/K0=0.803 #  
Cmpd 4288, +MS2(696.3121), 31.9eV, 39.4min, 1/K0=0.803 #19108  
0.00000000000200000000.0 Cmpd 1023, +MS2(701.6418), 31.9eV, 35.466-35.468min, 1/K0=0.807 #  
0.00000000000200000000.0 Cmpd 600, +MS2(701.6448), 31.9eV, 33.832-33.838min, 1/K0=0.822 #:  
Cmpd 78735, +MS2(592.2586), 31.9eV, 74.492-74.494min, 1/K0=0.801  
Cmpd 22511, +MS2(597.8064), 31.9eV, 51.453-51.454min, 1/K0=0.826  
Cmpd 20850, +MS2(597.8080), 31.9eV, 50.6min, 1/K0=0.814 #25050  
Cmpd 8714, +MS2(659.8466), 37.0eV, 43.1min, 1/K0=0.870 #21066  
Cmpd 81660, +MS2(724.3142), 37.0eV, 75.512-75.516min, 1/K0=0.895  
Cmpd 80232, +MS2(724.3158), 37.0eV, 74.993-74.995min, 1/K0=0.905  
Cmpd 82840, +MS2(724.3170), 37.0eV, 75.966-75.968min, 1/K0=0.898  
Cmpd 78623, +MS2(724.3181), 37.0eV, 74.4min, 1/K0=0.894 #37643  
Cmpd 78479, +MS2(724.3182), 37.0eV, 74.4min, 1/K0=0.894 #37612  
Cmpd 78938, +MS2(724.3183), 37.0eV, 74.6min, 1/K0=0.896 #37709  
Cmpd 120315, +MS2(750.3880), 37.0eV, 88.2min, 1/K0=0.929 #44855  
Cmpd 123309, +MS2(815.9210), 37.0eV, 89.0min, 1/K0=0.991 #45267  
Cmpd 75993, +MS2(956.4815), 37.0eV, 73.512-73.516min, 1/K0=1.051  
Cmpd 75534, +MS2(956.4865), 37.0eV, 73.341-73.343min, 1/K0=1.040  
Cmpd 75860, +MS2(956.4828), 37.0eV, 73.5min, 1/K0=1.039 #37127  
Cmpd 77185, +MS2(956.4864), 37.0eV, 73.898-73.900min, 1/K0=1.044  
Cmpd 63184, +MS2(717.9875), 31.9eV, 68.9min, 1/K0=0.790 #34706  
Cmpd 63076, +MS2(717.9853), 31.9eV, 68.825-68.827min, 1/K0=0.793  
Cmpd 63442, +MS2(717.9884), 31.9eV, 69.0min, 1/K0=0.790 #34761  
Cmpd 24300, +MS2(720.6879), 31.9eV, 52.417-52.420min, 1/K0=0.788  
Cmpd 24206, +MS2(720.6888), 37.0eV, 52.4min, 1/K0=0.886 #25983  
Cmpd 24352, +MS2(720.6911), 37.0eV, 52.4min, 1/K0=0.883 #26027  
Cmpd 25200, +MS2(720.6899), 37.0eV, 52.9min, 1/K0=0.880 #26248

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Cmpd 24311, +MS2(1080.5324), 42.0eV, 52.4min, 1/K0=1.167 #26016  
Cmpd 108638, +MS2(816.7372), 37.0eV, 85.2min, 1/K0=0.915 #43312  
Cmpd 108520, +MS2(845.7491), 37.0eV, 85.2min, 1/K0=0.938 #43298  
Cmpd 108453, +MS2(894.7682), 37.0eV, 85.2min, 1/K0=0.978 #43289  
Cmpd 108603, +MS2(913.7813), 37.0eV, 85.2min, 1/K0=0.980 #43309  
Cmpd 101839, +MS2(941.7873), 37.0eV, 83.119-83.123min, 1/K0=0.92  
Cmpd 108592, +MS2(947.4623), 37.0eV, 85.2min, 1/K0=0.980 #43308  
Cmpd 108432, +MS2(947.4618), 37.0eV, 85.2min, 1/K0=0.967 #43287  
Cmpd 108568, +MS2(980.4861), 37.0eV, 85.2min, 1/K0=0.992 #43305  
Cmpd 108461, +MS2(1014.1681), 37.0eV, 85.2min, 1/K0=1.008 #43290  
Cmpd 108636, +MS2(1047.1917), 37.0eV, 85.2min, 1/K0=1.026 #43312  
Cmpd 108660, +MS2(1080.8750), 37.0eV, 85.241-85.243min, 1/K0=1.0  
Cmpd 108092, +MS2(1150.5698), 37.0eV, 85.1min, 1/K0=0.998 #43243  
Cmpd 108339, +MS2(1150.5708), 37.0eV, 85.2min, 1/K0=0.998 #43275  
Cmpd 108419, +MS2(1197.2478), 42.0eV, 85.2min, 1/K0=1.091 #43286  
Cmpd 108678, +MS2(1197.2487), 42.0eV, 85.2min, 1/K0=1.098 #43319  
Cmpd 121688, +MS2(625.8605), 37.0eV, 88.6min, 1/K0=0.856 #45024  
Cmpd 121608, +MS2(625.8608), 31.9eV, 88.53-88.55min, 1/K0=0.852 #45024  
Cmpd 83258, +MS2(701.3357), 37.0eV, 76.1min, 1/K0=0.869 #38524  
Cmpd 84068, +MS2(701.3387), 37.0eV, 76.416-76.420min, 1/K0=0.858  
Cmpd 82911, +MS2(701.3389), 37.0eV, 76.0min, 1/K0=0.870 #38458  
Cmpd 83190, +MS2(701.3399), 37.0eV, 76.1min, 1/K0=0.868 #38512  
Cmpd 82890, +MS2(701.3430), 37.0eV, 76.0min, 1/K0=0.870 #38456  
Cmpd 110585, +MS2(719.4008), 37.0eV, 85.72-85.73min, 1/K0=0.940 #45024  
Cmpd 121686, +MS2(752.4370), 37.0eV, 88.6min, 1/K0=0.946 #45024  
Cmpd 56377, +MS2(768.9150), 37.0eV, 66.3min, 1/K0=0.965 #33354  
Cmpd 55423, +MS2(768.9168), 37.0eV, 65.9min, 1/K0=0.963 #33134  
Cmpd 51600, +MS2(778.8658), 37.0eV, 64.4min, 1/K0=0.957 #32363  
Cmpd 50250, +MS2(778.8663), 37.0eV, 63.9min, 1/K0=0.961 #32077  
Cmpd 50302, +MS2(778.8664), 37.0eV, 63.9min, 1/K0=1.021 #32088  
Cmpd 51648, +MS2(778.8667), 37.0eV, 64.447-64.449min, 1/K0=1.016  
Cmpd 50479, +MS2(778.8668), 37.0eV, 64.0min, 1/K0=0.992 #32121  
Cmpd 50649, +MS2(778.8668), 37.0eV, 64.0min, 1/K0=1.019 #32154  
Cmpd 50600, +MS2(778.8678), 37.0eV, 64.0min, 1/K0=0.964 #32143  
Cmpd 50164, +MS2(778.8682), 37.0eV, 63.847-63.851min, 1/K0=1.019  
Cmpd 50126, +MS2(778.8706), 37.0eV, 63.828-63.830min, 1/K0=0.962  
Cmpd 27561, +MS2(786.8605), 37.0eV, 54.091-54.096min, 1/K0=0.955  
Cmpd 27778, +MS2(786.8617), 37.0eV, 54.2min, 1/K0=0.952 #26974  
Cmpd 50509, +MS2(786.8641), 37.0eV, 63.976-63.981min, 1/K0=0.950  
Cmpd 121708, +MS2(795.9538), 37.0eV, 88.6min, 1/K0=0.973 #45026  
Cmpd 105852, +MS2(828.4616), 37.0eV, 84.514-84.516min, 1/K0=1.03  
Cmpd 50995, +MS2(829.4188), 37.0eV, 64.167-64.171min, 1/K0=1.021  
Cmpd 121714, +MS2(951.5652), 42.0eV, 88.6min, 1/K0=1.093 #45027  
Cmpd 111832, +MS2(970.5702), 42.0eV, 86.0min, 1/K0=1.163 #43726  
Cmpd 89714, +MS2(655.3326), 37.0eV, 78.661-78.663min, 1/K0=0.864  
Cmpd 89410, +MS2(655.3327), 31.9eV, 78.520-78.522min, 1/K0=0.784  
Cmpd 89444, +MS2(655.3330), 31.9eV, 78.5min, 1/K0=0.848 #39799  
Cmpd 89399, +MS2(982.4991), 42.0eV, 78.5min, 1/K0=1.141 #39789

	Cmpd 89261, +MS2(982.4991), 42.0eV, 78.455-78.459min, 1/K0=1.143
	Cmpd 91003, +MS2(655.3361), 31.9eV, 79.1min, 1/K0=0.849 #40108
	Cmpd 111892, +MS2(1079.0197), 42.0eV, 86.051-86.055min, 1/K0=1.1
	Cmpd 107058, +MS2(1255.1553), 47.0eV, 84.843-84.845min, 1/K0=1.3
	Cmpd 107194, +MS2(1255.1546), 47.0eV, 84.9min, 1/K0=1.327 #43132
	Cmpd 76991, +MS2(838.0780), 37.0eV, 73.8min, 1/K0=0.864 #37316
	Cmpd 77053, +MS2(838.0801), 31.9eV, 73.847-73.851min, 1/K0=0.847
	Cmpd 77376, +MS2(838.0812), 37.0eV, 73.964-73.968min, 1/K0=0.871
	Cmpd 86240, +MS2(922.4910), 37.0eV, 77.257-77.261min, 1/K0=1.009
	Cmpd 86179, +MS2(922.4932), 42.0eV, 77.227-77.231min, 1/K0=1.082
	Cmpd 39355, +MS2(569.2930), 37.0eV, 59.472-59.474min, 1/K0=0.868
	Cmpd 104230, +MS2(581.2876), 31.9eV, 83.957-83.959min, 1/K0=0.80
	Cmpd 104463, +MS2(581.2895), 31.9eV, 84.0min, 1/K0=0.805 #42694
	Cmpd 19504, +MS2(584.2525), 31.9eV, 49.9min, 1/K0=0.821 #24664
	Cmpd 19266, +MS2(584.2532), 31.9eV, 49.748-49.750min, 1/K0=0.818
	Cmpd 19545, +MS2(585.8444), 31.9eV, 49.9min, 1/K0=0.823 #24678
	Cmpd 104515, +MS2(638.8025), 31.9eV, 84.062-84.063min, 1/K0=0.84
	Cmpd 32490, +MS2(656.3270), 37.0eV, 56.570-56.572min, 1/K0=0.858
	Cmpd 46441, +MS2(786.8968), 37.0eV, 62.37-62.38min, 1/K0=0.953 #4
	Cmpd 67173, +MS2(786.9250), 37.0eV, 70.312-70.314min, 1/K0=1.044
	Cmpd 26705, +MS2(525.6343), 31.9eV, 53.624-53.627min, 1/K0=0.721
	Cmpd 92168, +MS2(886.8965), 37.0eV, 79.6min, 1/K0=1.039 #40352
	Cmpd 92162, +MS2(886.8982), 37.0eV, 79.6min, 1/K0=1.024 #40351
	Cmpd 92423, +MS2(886.8984), 37.0eV, 79.7min, 1/K0=1.015 #40404
	Cmpd 92367, +MS2(886.8995), 37.0eV, 79.7min, 1/K0=1.017 #40393
	Cmpd 92095, +MS2(886.9003), 37.0eV, 79.6min, 1/K0=1.006 #40338
0.000000020000000000.0	Cmpd 63685, +MS2(894.8929), 37.0eV, 69.077-69.087min, 1/K0=1.017
0.000000002000000000.0	Cmpd 73857, +MS2(894.8932), 37.0eV, 72.7min, 1/K0=1.008 #36733
0.000000002000000000.0	Cmpd 72633, +MS2(894.8957), 37.0eV, 72.295-72.305min, 1/K0=1.007
0.000000002000000000.0	Cmpd 92218, +MS2(894.8981), 37.0eV, 79.609-79.611min, 1/K0=1.010
	Cmpd 66963, +MS2(901.4754), 42.0eV, 70.246-70.248min, 1/K0=1.125
	Cmpd 67283, +MS2(901.4760), 42.0eV, 70.4min, 1/K0=1.124 #35488
0.000000022000000000.0	Cmpd 39729, +MS2(902.8898), 37.0eV, 59.651-59.653min, 1/K0=1.004
0.000000022000000000.0	Cmpd 39783, +MS2(902.8894), 37.0eV, 59.672-59.676min, 1/K0=1.002
	Cmpd 87956, +MS2(934.4732), 42.0eV, 77.934-77.944min, 1/K0=1.112
	Cmpd 87796, +MS2(934.4732), 37.0eV, 77.9min, 1/K0=1.050 #39447
	Cmpd 90091, +MS2(934.4756), 37.0eV, 78.8min, 1/K0=1.044 #39934
	Cmpd 87881, +MS2(934.4758), 37.0eV, 77.902-77.906min, 1/K0=1.024
	Cmpd 87916, +MS2(934.4751), 42.0eV, 77.9min, 1/K0=1.075 #39471
	Cmpd 87997, +MS2(934.4766), 37.0eV, 78.0min, 1/K0=1.047 #39491
	Cmpd 91208, +MS2(934.4768), 37.0eV, 79.21-79.22min, 1/K0=1.046 #4
	Cmpd 89343, +MS2(934.4775), 37.0eV, 78.5min, 1/K0=1.027 #39777
	Cmpd 87708, +MS2(934.4756), 37.0eV, 77.832-77.834min, 1/K0=1.045
	Cmpd 89046, +MS2(934.4789), 37.0eV, 78.4min, 1/K0=1.044 #39713
	Cmpd 7345, +MS2(648.9510), 31.9eV, 42.105-42.106min, 1/K0=0.770 #
	Cmpd 7378, +MS2(648.9493), 31.9eV, 42.125-42.127min, 1/K0=0.771 #
0.200000000000000000.0	Cmpd 5502, +MS2(654.2838), 31.9eV, 40.563-40.565min, 1/K0=0.769 #
	Cmpd 104357, +MS2(728.6952), 31.9eV, 84.004-84.008min, 1/K0=0.83

	Cmpd 104455, +MS2(728.6968), 31.9eV, 84.0min, 1/K0=0.835 #42693
	Cmpd 104382, +MS2(1092.5455), 42.0eV, 84.0min, 1/K0=1.142 #42681
	Cmpd 104675, +MS2(1092.5498), 42.0eV, 84.1min, 1/K0=1.141 #42736
	Cmpd 104628, +MS2(1092.5468), 42.0eV, 84.1min, 1/K0=1.112 #42726
	Cmpd 32413, +MS2(603.8093), 31.9eV, 56.536-56.539min, 1/K0=0.824
	Cmpd 32379, +MS2(603.8087), 31.9eV, 56.5min, 1/K0=0.851 #28184
	Cmpd 32552, +MS2(603.8090), 31.9eV, 56.6min, 1/K0=0.848 #28227
0.000200000000.0	Cmpd 32642, +MS2(611.8073), 31.9eV, 56.630-56.632min, 1/K0=0.837
	Cmpd 86549, +MS2(672.8604), 37.0eV, 77.4min, 1/K0=0.903 #39184
	Cmpd 85497, +MS2(672.8613), 37.0eV, 77.0min, 1/K0=0.895 #38963
	Cmpd 82245, +MS2(672.8621), 37.0eV, 75.721-75.723min, 1/K0=0.897
	Cmpd 76396, +MS2(688.8760), 37.0eV, 73.641-73.643min, 1/K0=0.908
	Cmpd 96587, +MS2(717.3880), 37.0eV, 81.26-81.27min, 1/K0=0.909 #4
	Cmpd 97042, +MS2(717.3889), 37.0eV, 81.4min, 1/K0=0.913 #41308
	Cmpd 30625, +MS2(759.4109), 37.0eV, 55.674-55.676min, 1/K0=0.939
	Cmpd 85851, +MS2(506.6098), 31.9eV, 77.10-77.12min, 1/K0=0.717 #4
	Cmpd 101283, +MS2(791.4430), 37.0eV, 82.9min, 1/K0=1.000 #42109
	Cmpd 76156, +MS2(802.9308), 37.0eV, 73.571-73.573min, 1/K0=0.988
	Cmpd 76371, +MS2(802.9316), 37.0eV, 73.6min, 1/K0=0.991 #37216
0.000000020000000.0	Cmpd 68788, +MS2(808.4151), 37.0eV, 70.9min, 1/K0=0.967 #35763
	Cmpd 48983, +MS2(816.4120), 37.0eV, 63.355-63.359min, 1/K0=0.973
	Cmpd 59371, +MS2(846.4125), 37.0eV, 67.394-67.396min, 1/K0=0.985
	Cmpd 59614, +MS2(846.4145), 37.0eV, 67.5min, 1/K0=0.983 #33980
	Cmpd 101263, +MS2(847.9871), 37.0eV, 82.923-82.925min, 1/K0=1.04
	Cmpd 30673, +MS2(590.9903), 31.9eV, 55.698-55.702min, 1/K0=0.767
	Cmpd 101247, +MS2(897.5194), 42.0eV, 82.919-82.925min, 1/K0=1.10
	Cmpd 66496, +MS2(902.4453), 42.0eV, 70.085-70.090min, 1/K0=1.089
	Cmpd 77557, +MS2(909.0079), 42.0eV, 74.033-74.035min, 1/K0=1.074
	Cmpd 76299, +MS2(909.0079), 42.0eV, 73.6min, 1/K0=1.072 #37204
0.02000000000000000000.0	Cmpd 102822, +MS2(1058.0364), 42.0eV, 83.474-83.476min, 1/K0=1.0
0.02000000000000000000.0	Cmpd 103076, +MS2(1058.0466), 42.0eV, 83.576-83.578min, 1/K0=1.1
	Cmpd 101470, +MS2(1068.6135), 42.0eV, 83.0min, 1/K0=1.222 #42143
	Cmpd 101090, +MS2(1068.6110), 42.0eV, 82.859-82.863min, 1/K0=1.2
	Cmpd 101355, +MS2(1068.6158), 42.0eV, 82.952-82.953min, 1/K0=1.1
	Cmpd 73987, +MS2(741.3775), 37.0eV, 72.761-72.764min, 1/K0=0.874
	Cmpd 73979, +MS2(741.3811), 31.9eV, 72.757-72.759min, 1/K0=0.853
	Cmpd 91530, +MS2(1117.5388), 42.0eV, 79.332-79.334min, 1/K0=1.14
	Cmpd 91614, +MS2(1117.5409), 42.0eV, 79.4min, 1/K0=1.134 #40239
	Cmpd 91678, +MS2(1117.5416), 42.0eV, 79.4min, 1/K0=1.148 #40251
	Cmpd 92040, +MS2(1117.5453), 42.0eV, 79.5min, 1/K0=1.150 #40327
	Cmpd 91859, +MS2(745.3696), 37.0eV, 79.5min, 1/K0=0.931 #40286
	Cmpd 86132, +MS2(775.4248), 37.0eV, 77.2min, 1/K0=0.953 #39097
0.00002000000000000000.0	Cmpd 66497, +MS2(780.3851), 37.0eV, 70.085-70.090min, 1/K0=0.969
	Cmpd 86318, +MS2(913.4187), 37.0eV, 77.287-77.297min, 1/K0=0.888
	Cmpd 86892, +MS2(913.4372), 37.0eV, 77.5min, 1/K0=0.890 #39260
	Cmpd 86603, +MS2(913.4222), 37.0eV, 77.4min, 1/K0=0.886 #39196
	Cmpd 96028, +MS2(922.1356), 37.0eV, 81.081-81.083min, 1/K0=1.001
	Cmpd 109027, +MS2(945.8659), 42.0eV, 85.3min, 1/K0=1.091 #43364

	Cmpd 112799, +MS2(963.1305), 37.0eV, 86.3min, 1/K0=0.953 #43849
	Cmpd 121099, +MS2(1016.2056), 42.0eV, 88.4min, 1/K0=1.108 #44949
	Cmpd 26371, +MS2(603.8012), 31.9eV, 53.4min, 1/K0=0.850 #26556
	Cmpd 27212, +MS2(603.8017), 31.9eV, 53.895-53.897min, 1/K0=0.820
	Cmpd 26270, +MS2(603.8018), 31.9eV, 53.4min, 1/K0=0.804 #26535
	Cmpd 27318, +MS2(603.8028), 31.9eV, 53.9min, 1/K0=0.819 #26821
	Cmpd 26255, +MS2(603.8028), 31.9eV, 53.4min, 1/K0=0.820 #26533
	Cmpd 26179, +MS2(603.8029), 31.9eV, 53.4min, 1/K0=0.820 #26513
0.000020000000.0	Cmpd 22175, +MS2(611.7980), 31.9eV, 51.246-51.253min, 1/K0=0.828
0.000020000000.0	Cmpd 12246, +MS2(611.7985), 31.9eV, 45.5min, 1/K0=0.822 #22342
0.000020000000.0	Cmpd 8095, +MS2(611.7987), 31.9eV, 42.6min, 1/K0=0.831 #20802
0.000020000000.0	Cmpd 8002, +MS2(611.7990), 31.9eV, 42.5min, 1/K0=0.828 #20769
0.000020000000.0	Cmpd 16403, +MS2(611.7991), 31.9eV, 48.1min, 1/K0=0.823 #23706
0.000020000000.0	Cmpd 25070, +MS2(611.8006), 31.9eV, 52.8min, 1/K0=0.824 #26206
0.000020000000.0	Cmpd 26757, +MS2(611.7996), 31.9eV, 53.655-53.661min, 1/K0=0.823
0.000020000000.0	Cmpd 18355, +MS2(611.7997), 31.9eV, 49.3min, 1/K0=0.832 #24336
0.000020000000.0	Cmpd 17657, +MS2(611.7995), 31.9eV, 48.8min, 1/K0=0.826 #24113
0.000020000000.0	Cmpd 10448, +MS2(611.7998), 31.9eV, 44.3min, 1/K0=0.831 #21682
0.000020000000.0	Cmpd 9277, +MS2(611.7999), 31.9eV, 43.4min, 1/K0=0.825 #21244
0.000020000000.0	Cmpd 11024, +MS2(611.8003), 31.9eV, 44.7min, 1/K0=0.827 #21902
0.000020000000.0	Cmpd 16193, +MS2(611.8005), 31.9eV, 47.9min, 1/K0=0.824 #23641
0.000020000000.0	Cmpd 22443, +MS2(611.8006), 31.9eV, 51.4min, 1/K0=0.828 #25479
0.000020000000.0	Cmpd 26088, +MS2(611.8008), 31.9eV, 53.3min, 1/K0=0.820 #26491
0.000020000000.0	Cmpd 9824, +MS2(611.8007), 31.9eV, 43.856-43.860min, 1/K0=0.826
0.000020000000.0	Cmpd 18709, +MS2(611.8009), 31.9eV, 49.448-49.452min, 1/K0=0.813
0.000020000000.0	Cmpd 17062, +MS2(611.8012), 31.9eV, 48.5min, 1/K0=0.825 #23926
0.000020000000.0	Cmpd 14300, +MS2(611.8012), 31.9eV, 46.7min, 1/K0=0.828 #23002
0.000020000000.0	Cmpd 23180, +MS2(611.8015), 31.9eV, 51.8min, 1/K0=0.822 #25698
0.000020000000.0	Cmpd 10392, +MS2(611.8015), 31.9eV, 44.221-44.223min, 1/K0=0.839
0.000020000000.0	Cmpd 8628, +MS2(611.8015), 31.9eV, 43.0min, 1/K0=0.828 #21022
0.000020000000.0	Cmpd 25840, +MS2(611.8019), 31.9eV, 53.2min, 1/K0=0.820 #26424
0.000020000000.0	Cmpd 8298, +MS2(611.8010), 31.9eV, 42.8min, 1/K0=0.846 #20890
0.000020000000.0	Cmpd 8974, +MS2(611.8019), 31.9eV, 43.230-43.234min, 1/K0=0.836
0.000020000000.0	Cmpd 23982, +MS2(611.8030), 31.9eV, 52.245-52.249min, 1/K0=0.829
0.000020000000.0	Cmpd 20977, +MS2(611.8042), 31.9eV, 50.676-50.680min, 1/K0=0.820
	Cmpd 16367, +MS2(667.8500), 37.0eV, 48.049-48.057min, 1/K0=0.868
	Cmpd 16073, +MS2(667.8508), 37.0eV, 47.883-47.885min, 1/K0=0.885
	Cmpd 54897, +MS2(737.3436), 37.0eV, 65.7min, 1/K0=0.898 #33026
	Cmpd 55760, +MS2(737.3438), 37.0eV, 66.0min, 1/K0=0.926 #33211
	Cmpd 54716, +MS2(737.3452), 37.0eV, 65.6min, 1/K0=0.925 #32990
	Cmpd 54314, +MS2(737.3577), 37.0eV, 65.5min, 1/K0=0.926 #32914
	Cmpd 63012, +MS2(787.0352), 31.9eV, 68.789-68.791min, 1/K0=0.839
	Cmpd 60689, +MS2(787.0350), 31.9eV, 67.9min, 1/K0=0.840 #34193
	Cmpd 60846, +MS2(787.0360), 31.9eV, 68.0min, 1/K0=0.842 #34222
	Cmpd 61179, +MS2(787.0372), 37.0eV, 68.068-68.072min, 1/K0=0.897
	Cmpd 61983, +MS2(787.0359), 31.9eV, 68.371-68.373min, 1/K0=0.838
	Cmpd 60565, +MS2(787.0375), 31.9eV, 67.9min, 1/K0=0.840 #34169
	Cmpd 64008, +MS2(787.0366), 31.9eV, 69.202-69.204min, 1/K0=0.839

	Cmpd 13476, +MS2(492.2256), 31.9eV, 46.3min, 1/K0=0.747 #22749
	Cmpd 13419, +MS2(492.2261), 31.9eV, 46.229-46.231min, 1/K0=0.760
	Cmpd 13391, +MS2(492.2266), 31.9eV, 46.212-46.218min, 1/K0=0.757
	Cmpd 28872, +MS2(609.3190), 31.9eV, 54.822-54.824min, 1/K0=0.832
	Cmpd 29834, +MS2(609.3207), 31.9eV, 55.3min, 1/K0=0.830 #27535
	Cmpd 28968, +MS2(609.3219), 31.9eV, 54.9min, 1/K0=0.835 #27314
	Cmpd 29862, +MS2(612.8152), 37.0eV, 55.311-55.313min, 1/K0=0.884
	Cmpd 30892, +MS2(612.8170), 37.0eV, 55.798-55.800min, 1/K0=0.880
	Cmpd 29976, +MS2(612.8172), 37.0eV, 55.4min, 1/K0=0.886 #27578
0.00000020000.0	Cmpd 11111, +MS2(620.8119), 37.0eV, 44.7min, 1/K0=0.879 #21935
0.00000020000.0	Cmpd 10982, +MS2(620.8153), 37.0eV, 44.649-44.653min, 1/K0=0.880
	Cmpd 37910, +MS2(642.8374), 37.0eV, 58.8min, 1/K0=0.903 #29415
	Cmpd 51234, +MS2(658.3828), 37.0eV, 64.3min, 1/K0=0.926 #32276
	Cmpd 51275, +MS2(658.3827), 37.0eV, 64.3min, 1/K0=0.899 #32286
	Cmpd 51091, +MS2(658.3839), 37.0eV, 64.2min, 1/K0=0.919 #32245
	Cmpd 46458, +MS2(693.8800), 37.0eV, 62.381-62.383min, 1/K0=0.901
	Cmpd 82156, +MS2(743.4372), 37.0eV, 75.693-75.697min, 1/K0=0.996
	Cmpd 52703, +MS2(785.9668), 37.0eV, 64.823-64.827min, 1/K0=1.011
	Cmpd 52917, +MS2(785.9691), 37.0eV, 64.9min, 1/K0=1.012 #32627
	Cmpd 98723, +MS2(880.9473), 37.0eV, 81.9min, 1/K0=1.024 #41593
	Cmpd 98838, +MS2(880.9477), 37.0eV, 82.0min, 1/K0=1.024 #41614
	Cmpd 96695, +MS2(880.9478), 37.0eV, 81.3min, 1/K0=1.036 #41251
	Cmpd 96499, +MS2(880.9482), 37.0eV, 81.2min, 1/K0=1.044 #41218
	Cmpd 97026, +MS2(880.9483), 37.0eV, 81.4min, 1/K0=1.025 #41306
	Cmpd 97302, +MS2(880.9476), 42.0eV, 81.5min, 1/K0=1.059 #41353
	Cmpd 100992, +MS2(880.9493), 37.0eV, 82.8min, 1/K0=1.022 #42054
0.200000000000000000.0	Cmpd 89360, +MS2(888.9421), 37.0eV, 78.501-78.503min, 1/K0=1.020
0.200000000000000000.0	Cmpd 82871, +MS2(888.9451), 37.0eV, 75.977-75.981min, 1/K0=1.017
0.200000000000000000.0	Cmpd 90436, +MS2(888.9433), 37.0eV, 78.9min, 1/K0=1.019 #39997
0.200000000000000000.0	Cmpd 83827, +MS2(888.9437), 37.0eV, 76.3min, 1/K0=1.019 #38634
0.200000000000000000.0	Cmpd 91540, +MS2(888.9453), 37.0eV, 79.3min, 1/K0=1.029 #40219
0.200000000000000000.0	Cmpd 95670, +MS2(888.9440), 37.0eV, 80.954-80.956min, 1/K0=1.015
0.200000000000000000.0	Cmpd 86208, +MS2(888.9443), 37.0eV, 77.2min, 1/K0=1.015 #39117
0.200000000000000000.0	Cmpd 97411, +MS2(888.9451), 37.0eV, 81.5min, 1/K0=1.008 #41374
0.200000000000000000.0	Cmpd 97422, +MS2(888.9449), 37.0eV, 81.533-81.538min, 1/K0=1.032
0.200000000000000000.0	Cmpd 87281, +MS2(888.9449), 37.0eV, 77.7min, 1/K0=1.020 #39337
0.200000000000000000.0	Cmpd 89614, +MS2(888.9440), 37.0eV, 78.6min, 1/K0=1.003 #39842
0.200000000000000000.0	Cmpd 84039, +MS2(888.9451), 37.0eV, 76.4min, 1/K0=1.019 #38677
0.200000000000000000.0	Cmpd 85145, +MS2(888.9452), 37.0eV, 76.8min, 1/K0=1.019 #38897
0.200000000000000000.0	Cmpd 84298, +MS2(888.9389), 42.0eV, 76.498-76.500min, 1/K0=1.057
0.200000000000000000.0	Cmpd 88315, +MS2(888.9460), 37.0eV, 78.1min, 1/K0=1.018 #39559
	Cmpd 81848, +MS2(907.5243), 42.0eV, 75.579-75.581min, 1/K0=1.141
	Cmpd 43750, +MS2(729.7070), 37.0eV, 61.310-61.318min, 1/K0=0.872
	Cmpd 116493, +MS2(1242.6473), 47.0eV, 87.218-87.222min, 1/K0=1.3
	Cmpd 116613, +MS2(828.7652), 37.0eV, 87.2min, 1/K0=0.997 #44345
0.200000000000000000000000.0	Cmpd 100680, +MS2(919.7759), 37.0eV, 82.705-82.707min, 1/K0=0.94
	Cmpd 108783, +MS2(989.5071), 42.0eV, 85.27-85.28min, 1/K0=1.071 #
	Cmpd 13340, +MS2(467.7157), 31.9eV, 46.171-46.176min, 1/K0=0.73

0.020000000.0	Cmpd 13267, +MS2(532.2383), 31.9eV, 46.1min, 1/K0=0.792 #22673
0.020000000.0	Cmpd 3531, +MS2(540.2323), 31.9eV, 38.707-38.711min, 1/K0=0.781 #
0.020000000.0	Cmpd 5521, +MS2(540.2340), 31.9eV, 40.574-40.580min, 1/K0=0.781 #
0.020000000.0	Cmpd 2099, +MS2(540.2343), 31.9eV, 37.274-37.276min, 1/K0=0.775 #
0.020000000.0	Cmpd 1982, +MS2(540.2348), 31.9eV, 37.1min, 1/K0=0.780 #17887
0.020000000.0	Cmpd 6461, +MS2(540.2351), 31.9eV, 41.454-41.458min, 1/K0=0.782 #
0.020000000.0	Cmpd 3032, +MS2(540.2364), 31.9eV, 38.140-38.144min, 1/K0=0.782 #
	Cmpd 13834, +MS2(606.3699), 37.0eV, 46.436-46.440min, 1/K0=0.859
	Cmpd 1647, +MS2(664.3244), 31.9eV, 36.701-36.707min, 1/K0=0.855 #
	Cmpd 44164, +MS2(666.3507), 37.0eV, 61.4min, 1/K0=0.898 #30783
	Cmpd 13889, +MS2(705.9366), 37.0eV, 46.467-46.470min, 1/K0=0.917
	Cmpd 45884, +MS2(730.8730), 37.0eV, 62.1min, 1/K0=0.950 #31143
	Cmpd 43608, +MS2(730.8740), 37.0eV, 61.3min, 1/K0=0.941 #30691
	Cmpd 44949, +MS2(730.8745), 37.0eV, 61.7min, 1/K0=0.960 #30923
	Cmpd 43787, +MS2(730.8759), 37.0eV, 61.3min, 1/K0=0.943 #30724
0.0200000000000.0	Cmpd 25567, +MS2(738.8674), 37.0eV, 53.049-53.053min, 1/K0=0.954
0.0200000000000.0	Cmpd 22292, +MS2(738.8693), 37.0eV, 51.310-51.315min, 1/K0=0.939
0.0200000000000.0	Cmpd 43812, +MS2(738.8788), 37.0eV, 61.331-61.335min, 1/K0=0.970
	Cmpd 24928, +MS2(780.8731), 37.0eV, 52.715-52.717min, 1/K0=0.965
	Cmpd 23956, +MS2(780.8763), 37.0eV, 52.2min, 1/K0=0.937 #25917
	Cmpd 23839, +MS2(780.8765), 37.0eV, 52.179-52.181min, 1/K0=0.938
	Cmpd 24359, +MS2(780.8773), 31.9eV, 52.447-52.456min, 1/K0=0.776
	Cmpd 25768, +MS2(780.8775), 37.0eV, 53.2min, 1/K0=0.933 #26402
	Cmpd 24305, +MS2(780.8774), 37.0eV, 52.420-52.422min, 1/K0=0.885
	Cmpd 24126, +MS2(780.8783), 37.0eV, 52.3min, 1/K0=0.940 #25961
	Cmpd 24325, +MS2(780.8786), 31.9eV, 52.426-52.430min, 1/K0=0.792
	Cmpd 24974, +MS2(780.8800), 37.0eV, 52.7min, 1/K0=0.933 #26181
	Cmpd 25342, +MS2(614.3069), 31.9eV, 52.936-52.940min, 1/K0=0.768
	Cmpd 117076, +MS2(649.9960), 31.9eV, 87.367-87.369min, 1/K0=0.83
	Cmpd 116911, +MS2(687.6906), 37.0eV, 87.32-87.34min, 1/K0=0.869 #
	Cmpd 116885, +MS2(725.3879), 37.0eV, 87.317-87.319min, 1/K0=0.89
	Cmpd 101582, +MS2(1096.0678), 42.0eV, 83.0min, 1/K0=1.150 #42164
	Cmpd 116844, +MS2(817.4270), 37.0eV, 87.3min, 1/K0=0.972 #44376
	Cmpd 101009, +MS2(850.7613), 37.0eV, 82.828-82.830min, 1/K0=0.88
	Cmpd 104998, +MS2(850.7587), 37.0eV, 84.2min, 1/K0=0.888 #42792
	Cmpd 103818, +MS2(850.7592), 37.0eV, 83.8min, 1/K0=0.886 #42573
	Cmpd 101161, +MS2(850.7601), 37.0eV, 82.9min, 1/K0=0.888 #42087
	Cmpd 102543, +MS2(850.7601), 37.0eV, 83.4min, 1/K0=0.886 #42351
	Cmpd 101882, +MS2(850.7605), 31.9eV, 83.1min, 1/K0=0.833 #42219
	Cmpd 101411, +MS2(850.7617), 37.0eV, 83.0min, 1/K0=0.889 #42131
	Cmpd 48319, +MS2(527.2677), 31.9eV, 63.077-63.079min, 1/K0=0.808
	Cmpd 107001, +MS2(548.3079), 31.9eV, 84.825-84.830min, 1/K0=0.81
	Cmpd 54109, +MS2(606.3079), 31.9eV, 65.404-65.406min, 1/K0=0.834
0.0000200000.0	Cmpd 33121, +MS2(656.2844), 37.0eV, 56.8min, 1/K0=0.866 #28347
0.0000200000.0	Cmpd 33632, +MS2(656.2880), 31.9eV, 57.060-57.062min, 1/K0=0.851
0.0000200000.0	Cmpd 33161, +MS2(656.2881), 37.0eV, 56.840-56.842min, 1/K0=0.867
	Cmpd 107057, +MS2(478.9328), 31.9eV, 84.841-84.845min, 1/K0=0.76
	Cmpd 106939, +MS2(717.9004), 37.0eV, 84.812-84.814min, 1/K0=0.96

Cmpd 104234, +MS2(729.8812), 37.0eV, 84.0min, 1/K0=0.917 #42650  
Cmpd 104444, +MS2(729.8843), 37.0eV, 84.0min, 1/K0=0.927 #42692  
Cmpd 104443, +MS2(779.4192), 37.0eV, 84.0min, 1/K0=0.971 #42692  
Cmpd 106915, +MS2(581.9684), 31.9eV, 84.8min, 1/K0=0.807 #43091  
Cmpd 78031, +MS2(879.4566), 37.0eV, 74.2min, 1/K0=1.011 #37523  
Cmpd 77113, +MS2(879.4570), 42.0eV, 73.871-73.875min, 1/K0=1.099  
Cmpd 76913, +MS2(879.4577), 37.0eV, 73.8min, 1/K0=1.023 #37302  
Cmpd 76435, +MS2(879.4580), 37.0eV, 73.7min, 1/K0=1.020 #37226  
Cmpd 104326, +MS2(885.4933), 42.0eV, 84.0min, 1/K0=1.057 #42670  
Cmpd 94985, +MS2(613.6450), 31.9eV, 80.720-80.722min, 1/K0=0.803  
Cmpd 94800, +MS2(919.9696), 37.0eV, 80.6min, 1/K0=1.053 #40910  
Cmpd 95009, +MS2(919.9713), 37.0eV, 80.7min, 1/K0=1.054 #40954  
Cmpd 106892, +MS2(681.6913), 37.0eV, 84.8min, 1/K0=0.901 #43089  
Cmpd 106759, +MS2(681.6942), 37.0eV, 84.8min, 1/K0=0.903 #43069  
Cmpd 106899, +MS2(1022.0373), 42.0eV, 84.8min, 1/K0=1.102 #43090  
Cmpd 116845, +MS2(687.7088), 37.0eV, 87.3min, 1/K0=0.906 #44376  
Cmpd 116871, +MS2(1031.0653), 42.0eV, 87.310-87.315min, 1/K0=1.0  
Cmpd 104337, +MS2(709.3983), 31.9eV, 84.0min, 1/K0=0.835 #42671  
Cmpd 104329, +MS2(709.3968), 37.0eV, 84.0min, 1/K0=0.867 #42670  
Cmpd 104575, +MS2(709.3994), 31.9eV, 84.1min, 1/K0=0.841 #42715  
Cmpd 104565, +MS2(709.3996), 37.0eV, 84.1min, 1/K0=0.867 #42714  
Cmpd 104746, +MS2(1063.5986), 42.0eV, 84.1min, 1/K0=1.164 #42747  
Cmpd 111380, +MS2(1085.5742), 42.0eV, 85.923-85.925min, 1/K0=1.1  
Cmpd 111460, +MS2(1170.6295), 47.0eV, 85.943-85.945min, 1/K0=1.2  
Cmpd 111403, +MS2(1170.6298), 42.0eV, 85.929-85.932min, 1/K0=1.1  
Cmpd 111490, +MS2(1170.6307), 47.0eV, 86.0min, 1/K0=1.313 #43682  
Cmpd 111328, +MS2(1170.6275), 47.0eV, 85.908-85.912min, 1/K0=1.3  
Cmpd 99430, +MS2(794.4575), 37.0eV, 82.211-82.213min, 1/K0=0.961  
Cmpd 99615, +MS2(794.4573), 37.0eV, 82.3min, 1/K0=0.964 #41769  
Cmpd 5830, +MS2(569.3720), 37.0eV, 40.842-40.847min, 1/K0=0.859 #41769  
Cmpd 121077, +MS2(593.8201), 31.9eV, 88.4min, 1/K0=0.826 #44947  
Cmpd 122683, +MS2(593.8202), 31.9eV, 88.817-88.825min, 1/K0=0.82  
Cmpd 119461, +MS2(593.8209), 31.9eV, 88.008-88.012min, 1/K0=0.82  
Cmpd 77092, +MS2(610.8398), 37.0eV, 73.9min, 1/K0=0.863 #37336  
Cmpd 77157, +MS2(610.8423), 37.0eV, 73.9min, 1/K0=0.860 #37348  
Cmpd 121024, +MS2(650.3603), 37.0eV, 88.391-88.395min, 1/K0=0.88  
Cmpd 107201, +MS2(658.8508), 37.0eV, 84.9min, 1/K0=0.900 #43132  
Cmpd 101896, +MS2(673.8776), 37.0eV, 83.1min, 1/K0=0.895 #42221  
Cmpd 102494, +MS2(673.8795), 37.0eV, 83.4min, 1/K0=0.883 #42341  
Cmpd 102134, +MS2(673.8796), 37.0eV, 83.2min, 1/K0=0.899 #42274  
Cmpd 101993, +MS2(673.8799), 37.0eV, 83.185-83.187min, 1/K0=0.92  
Cmpd 76990, +MS2(675.3635), 37.0eV, 73.824-73.826min, 1/K0=0.912  
Cmpd 76962, +MS2(675.3642), 37.0eV, 73.8min, 1/K0=0.913 #37312  
Cmpd 76877, +MS2(675.3643), 37.0eV, 73.784-73.788min, 1/K0=0.914  
Cmpd 59060, +MS2(738.3572), 37.0eV, 67.3min, 1/K0=0.947 #33860  
Cmpd 59304, +MS2(738.3597), 37.0eV, 67.4min, 1/K0=0.949 #33914  
Cmpd 77102, +MS2(503.2630), 31.9eV, 73.864-73.866min, 1/K0=0.749  
Cmpd 79003, +MS2(754.3983), 37.0eV, 74.6min, 1/K0=0.976 #37721



	Cmpd 76782, +MS2(754.4007), 37.0eV, 73.8min, 1/K0=0.980 #37280
	Cmpd 77904, +MS2(754.4011), 37.0eV, 74.2min, 1/K0=0.977 #37500
	Cmpd 76613, +MS2(754.4016), 37.0eV, 73.7min, 1/K0=0.982 #37250
	Cmpd 116295, +MS2(766.8503), 37.0eV, 87.168-87.170min, 1/K0=0.93
	Cmpd 107379, +MS2(796.4155), 37.0eV, 84.9min, 1/K0=0.960 #43154
	Cmpd 107200, +MS2(796.4157), 37.0eV, 84.9min, 1/K0=0.980 #43132
	Cmpd 108065, +MS2(796.4163), 37.0eV, 85.1min, 1/K0=0.996 #43241
	Cmpd 74475, +MS2(818.9693), 37.0eV, 72.942-72.944min, 1/K0=0.999
	Cmpd 76028, +MS2(818.9649), 37.0eV, 73.5min, 1/K0=0.993 #37160
	Cmpd 74638, +MS2(818.9668), 37.0eV, 73.0min, 1/K0=1.001 #36884
	Cmpd 74915, +MS2(818.9682), 37.0eV, 73.1min, 1/K0=1.002 #36939
0.000000000200000.0	Cmpd 50107, +MS2(826.9651), 37.0eV, 63.8min, 1/K0=0.999 #32044
0.000000000200000.0	Cmpd 49794, +MS2(826.9667), 37.0eV, 63.688-63.692min, 1/K0=0.999
	Cmpd 116382, +MS2(848.3840), 37.0eV, 87.190-87.192min, 1/K0=0.98
	Cmpd 38101, +MS2(860.9093), 37.0eV, 58.93-58.95min, 1/K0=1.017 #4
	Cmpd 69720, +MS2(900.0369), 42.0eV, 71.2min, 1/K0=1.060 #35928
	Cmpd 69269, +MS2(900.0377), 42.0eV, 71.040-71.042min, 1/K0=1.063
	Cmpd 69234, +MS2(900.0386), 42.0eV, 71.031-71.033min, 1/K0=1.061
	Cmpd 38100, +MS2(917.4516), 42.0eV, 58.9min, 1/K0=1.064 #29459
	Cmpd 112976, +MS2(961.5284), 42.0eV, 86.3min, 1/K0=1.169 #43872
	Cmpd 112904, +MS2(961.5277), 42.0eV, 86.3min, 1/K0=1.107 #43862
1.00000000000000000.0	Cmpd 123732, +MS2(1007.5502), 42.0eV, 89.2min, 1/K0=1.151 #45344
1.00000000000000000.0	Cmpd 123686, +MS2(1007.5470), 42.0eV, 89.160-89.165min, 1/K0=1.1
	Cmpd 11122, +MS2(1037.4569), 37.0eV, 44.745-44.754min, 1/K0=1.05
	Cmpd 85158, +MS2(846.1765), 37.0eV, 76.829-76.830min, 1/K0=0.919
	Cmpd 120359, +MS2(1111.1999), 37.0eV, 88.2min, 1/K0=1.021 #44860
	Cmpd 7798, +MS2(540.2745), 31.9eV, 42.4min, 1/K0=0.792 #20714
	Cmpd 7931, +MS2(540.2760), 31.9eV, 42.5min, 1/K0=0.800 #20749
	Cmpd 48433, +MS2(714.8804), 37.0eV, 63.121-63.123min, 1/K0=0.937
	Cmpd 48281, +MS2(771.9013), 37.0eV, 63.060-63.064min, 1/K0=0.979
	Cmpd 48407, +MS2(771.9024), 37.0eV, 63.1min, 1/K0=0.979 #31670
	Cmpd 112886, +MS2(861.4929), 42.0eV, 86.3min, 1/K0=1.058 #43860
	Cmpd 48262, +MS2(878.4599), 37.0eV, 63.054-63.056min, 1/K0=1.036
	Cmpd 48406, +MS2(878.4580), 37.0eV, 63.1min, 1/K0=1.037 #31670
	Cmpd 49408, +MS2(878.4582), 37.0eV, 63.5min, 1/K0=1.041 #31891
	Cmpd 93658, +MS2(920.4398), 37.0eV, 80.178-80.186min, 1/K0=1.021
	Cmpd 92377, +MS2(920.4409), 37.0eV, 79.7min, 1/K0=1.029 #40394
	Cmpd 92570, +MS2(920.4411), 37.0eV, 79.7min, 1/K0=1.028 #40437
	Cmpd 93519, +MS2(920.4425), 37.0eV, 80.1min, 1/K0=1.047 #40634
0.200000000000000.0	Cmpd 78093, +MS2(928.4406), 37.0eV, 74.242-74.244min, 1/K0=1.023
	Cmpd 92892, +MS2(645.6665), 31.9eV, 79.861-79.869min, 1/K0=0.779
	Cmpd 104989, +MS2(1006.0126), 42.0eV, 84.23-84.24min, 1/K0=1.086
	Cmpd 103752, +MS2(1006.0159), 42.0eV, 83.8min, 1/K0=1.083 #42561
	Cmpd 103297, +MS2(1006.0181), 42.0eV, 83.647-83.651min, 1/K0=1.0
	Cmpd 93651, +MS2(707.6864), 31.9eV, 80.173-80.174min, 1/K0=0.844
	Cmpd 92508, +MS2(707.6891), 31.9eV, 79.719-79.721min, 1/K0=0.840
	Cmpd 93163, +MS2(707.6889), 31.9eV, 80.0min, 1/K0=0.822 #40559
	Cmpd 92573, +MS2(707.6889), 31.9eV, 79.7min, 1/K0=0.840 #40437

0.200000000000000000.0

Cmpd 92464, +MS2(707.6893), 31.9eV, 79.7min, 1/K0=0.840 #40414  
Cmpd 92928, +MS2(710.0278), 37.0eV, 79.9min, 1/K0=0.902 #40505  
Cmpd 92702, +MS2(1064.5377), 42.0eV, 79.793-79.795min, 1/K0=1.10  
Cmpd 92808, +MS2(1064.5380), 42.0eV, 79.8min, 1/K0=1.117 #40481  
Cmpd 93236, +MS2(1064.5378), 42.0eV, 80.022-80.026min, 1/K0=1.13  
Cmpd 92767, +MS2(710.0291), 37.0eV, 79.8min, 1/K0=0.919 #40472  
Cmpd 78516, +MS2(723.0466), 37.0eV, 74.4min, 1/K0=0.893 #37621  
Cmpd 115846, +MS2(1135.1338), 42.0eV, 87.0min, 1/K0=1.202 #44245  
Cmpd 89650, +MS2(782.3678), 37.0eV, 78.635-78.637min, 1/K0=0.894  
Cmpd 89936, +MS2(782.3710), 37.0eV, 78.7min, 1/K0=0.896 #39910  
Cmpd 77611, +MS2(787.7028), 37.0eV, 74.052-74.053min, 1/K0=0.897  
Cmpd 66781, +MS2(542.7515), 31.9eV, 70.187-70.189min, 1/K0=0.794  
Cmpd 41271, +MS2(587.3084), 31.9eV, 60.270-60.274min, 1/K0=0.817  
Cmpd 67157, +MS2(599.2947), 31.9eV, 70.3min, 1/K0=0.844 #35466  
Cmpd 6642, +MS2(608.8285), 37.0eV, 41.6min, 1/K0=0.864 #20263  
Cmpd 6487, +MS2(608.8289), 37.0eV, 41.476-41.478min, 1/K0=0.865 #20263  
Cmpd 7180, +MS2(608.8298), 37.0eV, 42.0min, 1/K0=0.867 #20484  
Cmpd 6528, +MS2(608.8306), 37.0eV, 41.5min, 1/K0=0.864 #20219  
Cmpd 42674, +MS2(637.8312), 31.9eV, 60.8min, 1/K0=0.843 #30473  
Cmpd 41614, +MS2(637.8315), 31.9eV, 60.4min, 1/K0=0.813 #30242  
Cmpd 42215, +MS2(637.8318), 31.9eV, 60.643-60.645min, 1/K0=0.842  
Cmpd 40954, +MS2(637.8321), 31.9eV, 60.1min, 1/K0=0.845 #30097  
Cmpd 41459, +MS2(637.8335), 37.0eV, 60.3min, 1/K0=0.870 #30209  
Cmpd 40836, +MS2(637.8333), 31.9eV, 60.090-60.094min, 1/K0=0.849  
Cmpd 41059, +MS2(637.8338), 31.9eV, 60.2min, 1/K0=0.843 #30119  
Cmpd 67313, +MS2(649.8175), 37.0eV, 70.362-70.365min, 1/K0=0.858  
Cmpd 66894, +MS2(649.8189), 37.0eV, 70.2min, 1/K0=0.892 #35422  
Cmpd 66656, +MS2(649.8194), 37.0eV, 70.145-70.151min, 1/K0=0.894  
Cmpd 67197, +MS2(649.8214), 37.0eV, 70.324-70.326min, 1/K0=0.914  
Cmpd 66837, +MS2(685.3385), 37.0eV, 70.2min, 1/K0=0.925 #35412  
Cmpd 66692, +MS2(734.8759), 37.0eV, 70.2min, 1/K0=0.966 #35388  
Cmpd 67030, +MS2(734.8761), 37.0eV, 70.3min, 1/K0=0.967 #35444  
Cmpd 66714, +MS2(791.4177), 37.0eV, 70.164-70.166min, 1/K0=1.039  
Cmpd 66892, +MS2(791.4181), 37.0eV, 70.2min, 1/K0=1.036 #35422  
Cmpd 68117, +MS2(791.4185), 37.0eV, 70.654-70.656min, 1/K0=1.026  
Cmpd 70638, +MS2(813.4116), 37.0eV, 71.504-71.511min, 1/K0=1.024  
Cmpd 67100, +MS2(561.6237), 31.9eV, 70.288-70.289min, 1/K0=0.755  
Cmpd 68161, +MS2(841.9381), 42.0eV, 70.7min, 1/K0=1.070 #35654  
Cmpd 66704, +MS2(841.9391), 42.0eV, 70.2min, 1/K0=1.073 #35389  
Cmpd 66950, +MS2(841.9404), 42.0eV, 70.2min, 1/K0=1.076 #35432  
Cmpd 69430, +MS2(841.9437), 42.0eV, 71.093-71.095min, 1/K0=1.074  
Cmpd 67099, +MS2(622.9974), 31.9eV, 70.29-70.30min, 1/K0=0.807 #35641  
Cmpd 68073, +MS2(933.9983), 42.0eV, 70.6min, 1/K0=1.143 #35641  
Cmpd 66689, +MS2(934.0010), 42.0eV, 70.2min, 1/K0=1.140 #35388  
Cmpd 66878, +MS2(934.0001), 42.0eV, 70.2min, 1/K0=1.140 #35421  
Cmpd 67094, +MS2(933.9992), 42.0eV, 70.288-70.289min, 1/K0=1.101  
Cmpd 50661, +MS2(647.3400), 31.9eV, 64.0min, 1/K0=0.810 #32155  
Cmpd 50610, +MS2(708.7144), 37.0eV, 64.0min, 1/K0=0.860 #32144

0.20000000000000000.0

Cmpd 99476, +MS2(745.3737), 37.0eV, 82.2min, 1/K0=0.930 #41738  
Cmpd 99724, +MS2(745.3753), 37.0eV, 82.3min, 1/K0=0.930 #41790  
Cmpd 102922, +MS2(779.9275), 37.0eV, 83.5min, 1/K0=1.015 #42417  
Cmpd 102204, +MS2(779.9283), 37.0eV, 83.3min, 1/K0=0.993 #42288  
Cmpd 104182, +MS2(779.9284), 37.0eV, 83.9min, 1/K0=1.016 #42640  
Cmpd 101322, +MS2(779.9285), 37.0eV, 82.9min, 1/K0=1.013 #42115  
Cmpd 101770, +MS2(779.9286), 37.0eV, 83.1min, 1/K0=1.015 #42197  
Cmpd 101462, +MS2(779.9306), 37.0eV, 83.0min, 1/K0=1.013 #42142  
Cmpd 44760, +MS2(790.8369), 37.0eV, 61.631-61.633min, 1/K0=0.949  
Cmpd 44910, +MS2(790.8393), 37.0eV, 61.686-61.690min, 1/K0=0.967  
Cmpd 43509, +MS2(790.8397), 37.0eV, 61.227-61.230min, 1/K0=0.935  
Cmpd 43719, +MS2(790.8404), 37.0eV, 61.3min, 1/K0=0.934 #30713  
Cmpd 99467, +MS2(837.4349), 37.0eV, 82.2min, 1/K0=0.995 #41737  
Cmpd 100661, +MS2(837.4374), 37.0eV, 82.7min, 1/K0=0.994 #41988  
Cmpd 99607, +MS2(837.4376), 37.0eV, 82.3min, 1/K0=0.995 #41768  
Cmpd 101844, +MS2(837.4379), 37.0eV, 83.121-83.123min, 1/K0=0.99  
Cmpd 73019, +MS2(850.4012), 37.0eV, 72.413-72.415min, 1/K0=1.048  
Cmpd 22381, +MS2(890.4047), 37.0eV, 51.366-51.370min, 1/K0=1.016  
Cmpd 72873, +MS2(906.9434), 42.0eV, 72.367-72.375min, 1/K0=1.101  
Cmpd 105370, +MS2(634.3323), 31.9eV, 84.4min, 1/K0=0.843 #42859  
Cmpd 105315, +MS2(678.0139), 31.9eV, 84.3min, 1/K0=0.845 #42848  
Cmpd 105184, +MS2(678.0157), 37.0eV, 84.3min, 1/K0=0.867 #42825  
Cmpd 105494, +MS2(678.0147), 31.9eV, 84.4min, 1/K0=0.849 #42880  
Cmpd 105354, +MS2(678.0159), 37.0eV, 84.4min, 1/K0=0.867 #42857  
Cmpd 105745, +MS2(678.0152), 37.0eV, 84.5min, 1/K0=0.884 #42923  
Cmpd 107349, +MS2(678.0156), 37.0eV, 84.915-84.917min, 1/K0=0.87  
Cmpd 105203, +MS2(1016.5232), 42.0eV, 84.298-84.302min, 1/K0=1.1  
Cmpd 105349, +MS2(1016.5206), 42.0eV, 84.4min, 1/K0=1.142 #42857  
Cmpd 90212, +MS2(683.3449), 37.0eV, 78.8min, 1/K0=0.865 #39954  
Cmpd 72582, +MS2(726.0207), 37.0eV, 72.27-72.29min, 1/K0=0.899 #4  
Cmpd 28863, +MS2(618.8076), 37.0eV, 54.816-54.826min, 1/K0=0.876  
Cmpd 29125, +MS2(618.8077), 37.0eV, 54.9min, 1/K0=0.880 #27350  
Cmpd 28890, +MS2(618.8078), 31.9eV, 54.83-54.84min, 1/K0=0.851 #2  
Cmpd 41946, +MS2(646.2777), 31.9eV, 60.539-60.540min, 1/K0=0.851  
Cmpd 42010, +MS2(681.7969), 37.0eV, 60.6min, 1/K0=0.861 #30323  
Cmpd 42063, +MS2(681.7969), 37.0eV, 60.582-60.588min, 1/K0=0.858  
Cmpd 90677, +MS2(706.3520), 37.0eV, 79.0min, 1/K0=0.899 #40044  
Cmpd 41886, +MS2(731.3301), 37.0eV, 60.5min, 1/K0=0.935 #30297  
Cmpd 60012, +MS2(754.3809), 37.0eV, 67.6min, 1/K0=0.972 #34057  
Cmpd 74940, +MS2(772.3798), 37.0eV, 73.1min, 1/K0=0.955 #36941  
Cmpd 90778, +MS2(851.9135), 37.0eV, 79.0min, 1/K0=0.994 #40064  
Cmpd 90447, +MS2(851.9169), 37.0eV, 78.9min, 1/K0=0.999 #39998  
Cmpd 41777, +MS2(852.8722), 37.0eV, 60.474-60.476min, 1/K0=0.978  
Cmpd 79588, +MS2(856.4541), 37.0eV, 74.773-74.775min, 1/K0=0.981  
Cmpd 81013, +MS2(856.4509), 37.0eV, 75.3min, 1/K0=1.004 #38084  
Cmpd 79872, +MS2(856.4526), 37.0eV, 74.9min, 1/K0=0.986 #37864  
Cmpd 82206, +MS2(856.4538), 37.0eV, 75.710-75.712min, 1/K0=1.006  
Cmpd 80263, +MS2(856.4567), 37.0eV, 75.0min, 1/K0=0.987 #37940

0.0000200000000000.0	Cmpd 60625, +MS2(859.9126), 37.0eV, 67.9min, 1/K0=0.996 #34180
0.0000000000000020.0	Cmpd 29752, +MS2(860.8728), 37.0eV, 55.247-55.255min, 1/K0=0.977
	Cmpd 75295, +MS2(872.4189), 37.0eV, 73.3min, 1/K0=1.019 #37016
	Cmpd 74949, +MS2(872.4188), 37.0eV, 73.1min, 1/K0=1.027 #36942
0.0000000000000200.0	Cmpd 75212, +MS2(880.4137), 37.0eV, 73.214-73.218min, 1/K0=1.027
	Cmpd 67793, +MS2(673.9806), 31.9eV, 70.552-70.554min, 1/K0=0.814
	Cmpd 115880, +MS2(674.3377), 31.9eV, 87.057-87.061min, 1/K0=0.85
	Cmpd 116078, +MS2(674.3386), 31.9eV, 87.1min, 1/K0=0.852 #44276
	Cmpd 114030, +MS2(1130.0146), 42.0eV, 86.586-86.588min, 1/K0=1.1
	Cmpd 67932, +MS2(754.3607), 31.9eV, 70.595-70.597min, 1/K0=0.825
	Cmpd 67606, +MS2(754.3693), 37.0eV, 70.48-70.49min, 1/K0=0.870 #
	Cmpd 67709, +MS2(754.3633), 37.0eV, 70.518-70.520min, 1/K0=0.873
0.000000000200000000.0	Cmpd 46119, +MS2(759.6959), 37.0eV, 62.223-62.230min, 1/K0=0.874
	Cmpd 90481, +MS2(837.0640), 37.0eV, 78.927-78.929min, 1/K0=0.879
	Cmpd 92462, +MS2(862.1176), 37.0eV, 79.7min, 1/K0=0.932 #40414
	Cmpd 92444, +MS2(862.1183), 37.0eV, 79.695-79.699min, 1/K0=0.895
	Cmpd 92497, +MS2(862.1175), 37.0eV, 79.714-79.716min, 1/K0=0.933
	Cmpd 90438, +MS2(918.0909), 37.0eV, 78.9min, 1/K0=0.893 #39997
	Cmpd 102033, +MS2(974.1429), 37.0eV, 83.2min, 1/K0=0.949 #42253
	Cmpd 102081, +MS2(974.1449), 37.0eV, 83.2min, 1/K0=0.974 #42263
	Cmpd 102482, +MS2(974.1444), 37.0eV, 83.4min, 1/K0=0.948 #42340
0.00002000000000000000000000.0	Cmpd 83215, +MS2(979.4752), 42.0eV, 76.106-76.110min, 1/K0=1.095
0.00002000000000000000000000.0	Cmpd 83847, +MS2(979.4768), 42.0eV, 76.332-76.336min, 1/K0=1.083
	Cmpd 15847, +MS2(603.2766), 31.9eV, 47.76-47.77min, 1/K0=0.821 #
	Cmpd 62975, +MS2(620.8375), 37.0eV, 68.770-68.774min, 1/K0=0.858
	Cmpd 107632, +MS2(672.3576), 37.0eV, 85.0min, 1/K0=0.885 #43187
	Cmpd 22159, +MS2(680.3480), 37.0eV, 51.242-51.244min, 1/K0=0.878
	Cmpd 16082, +MS2(688.3309), 31.9eV, 47.887-47.889min, 1/K0=0.784
	Cmpd 15669, +MS2(688.3308), 37.0eV, 47.655-47.661min, 1/K0=0.871
	Cmpd 15746, +MS2(688.3313), 37.0eV, 47.7min, 1/K0=0.871 #23509
	Cmpd 15846, +MS2(688.3314), 37.0eV, 47.8min, 1/K0=0.871 #23541
	Cmpd 15996, +MS2(688.3315), 37.0eV, 47.8min, 1/K0=0.885 #23585
	Cmpd 17210, +MS2(688.3316), 37.0eV, 48.6min, 1/K0=0.867 #23983
	Cmpd 16571, +MS2(688.3317), 37.0eV, 48.2min, 1/K0=0.870 #23762
	Cmpd 22038, +MS2(766.3869), 37.0eV, 51.2min, 1/K0=0.944 #25356
	Cmpd 22313, +MS2(766.3912), 37.0eV, 51.3min, 1/K0=0.959 #25433
	Cmpd 43824, +MS2(779.8798), 37.0eV, 61.337-61.341min, 1/K0=0.927
	Cmpd 45075, +MS2(779.8841), 37.0eV, 61.755-61.758min, 1/K0=0.939
0.20000000000000.0	Cmpd 31678, +MS2(787.8753), 37.0eV, 56.204-56.208min, 1/K0=0.959
0.20000000000000.0	Cmpd 31868, +MS2(787.8794), 37.0eV, 56.290-56.292min, 1/K0=0.937
	Cmpd 73459, +MS2(829.4131), 37.0eV, 72.573-72.576min, 1/K0=0.966
	Cmpd 71839, +MS2(829.4171), 37.0eV, 72.0min, 1/K0=0.973 #36338
	Cmpd 73360, +MS2(829.4142), 37.0eV, 72.536-72.538min, 1/K0=0.973
	Cmpd 71969, +MS2(829.4152), 37.0eV, 72.0min, 1/K0=0.971 #36367
	Cmpd 72082, +MS2(829.4171), 37.0eV, 72.1min, 1/K0=0.987 #36389
0.20000000000000.0	Cmpd 60109, +MS2(837.4123), 37.0eV, 67.7min, 1/K0=0.978 #34079
	Cmpd 117583, +MS2(959.4672), 42.0eV, 87.5min, 1/K0=1.150 #44477
	Cmpd 99065, +MS2(971.0167), 42.0eV, 82.072-82.074min, 1/K0=1.149

Cmpd 107660, +MS2(990.0038), 42.0eV, 85.0min, 1/K0=1.063 #43190  
Cmpd 106804, +MS2(990.0050), 42.0eV, 84.8min, 1/K0=1.086 #43077  
Cmpd 117647, +MS2(994.9844), 42.0eV, 87.5min, 1/K0=1.176 #44486  
Cmpd 117488, +MS2(994.9871), 42.0eV, 87.477-87.479min, 1/K0=1.17  
Cmpd 120532, +MS2(1183.1054), 47.0eV, 88.3min, 1/K0=1.320 #44881  
Cmpd 100440, +MS2(1371.6778), 47.0eV, 82.616-82.623min, 1/K0=1.3  
Cmpd 100266, +MS2(914.7934), 37.0eV, 82.538-82.540min, 1/K0=1.03  
Cmpd 100389, +MS2(914.7974), 37.0eV, 82.6min, 1/K0=1.050 #41933  
Cmpd 101548, +MS2(914.7963), 37.0eV, 83.0min, 1/K0=1.049 #42156  
Cmpd 24011, +MS2(514.3315), 31.9eV, 52.3min, 1/K0=0.804 #25929  
Cmpd 23886, +MS2(514.3338), 31.9eV, 52.199-52.203min, 1/K0=0.808  
Cmpd 48758, +MS2(584.8602), 31.9eV, 63.3min, 1/K0=0.843 #31747  
Cmpd 48563, +MS2(584.8607), 31.9eV, 63.2min, 1/K0=0.843 #31703  
Cmpd 103479, +MS2(1034.0211), 42.0eV, 83.7min, 1/K0=1.070 #42516  
Cmpd 103242, +MS2(1034.0236), 42.0eV, 83.6min, 1/K0=1.072 #42479  
Cmpd 104697, +MS2(1034.0228), 42.0eV, 84.1min, 1/K0=1.072 #42738  
Cmpd 78234, +MS2(741.7141), 31.9eV, 74.295-74.297min, 1/K0=0.842  
Cmpd 75826, +MS2(741.7214), 31.9eV, 73.453-73.459min, 1/K0=0.839  
Cmpd 78544, +MS2(741.7160), 37.0eV, 74.4min, 1/K0=0.923 #37627  
Cmpd 75930, +MS2(741.7135), 31.9eV, 73.5min, 1/K0=0.818 #37139  
Cmpd 77084, +MS2(741.7166), 37.0eV, 73.9min, 1/K0=0.918 #37335  
Cmpd 75762, +MS2(741.7167), 37.0eV, 73.4min, 1/K0=0.903 #37105  
Cmpd 79468, +MS2(741.7142), 37.0eV, 74.7min, 1/K0=0.902 #37798  
Cmpd 75644, +MS2(741.7170), 37.0eV, 73.4min, 1/K0=0.903 #37082  
Cmpd 80662, +MS2(741.7165), 37.0eV, 75.2min, 1/K0=0.909 #38017  
Cmpd 78306, +MS2(741.7173), 37.0eV, 74.3min, 1/K0=0.899 #37577  
Cmpd 81841, +MS2(741.7177), 37.0eV, 75.6min, 1/K0=0.902 #38238  
Cmpd 76145, +MS2(741.7172), 31.9eV, 73.6min, 1/K0=0.852 #37181  
Cmpd 77198, +MS2(741.7185), 37.0eV, 73.9min, 1/K0=0.904 #37357  
Cmpd 75910, +MS2(741.7175), 37.0eV, 73.5min, 1/K0=0.903 #37137  
Cmpd 76152, +MS2(741.7184), 37.0eV, 73.6min, 1/K0=0.935 #37182  
Cmpd 77444, +MS2(741.7184), 37.0eV, 74.0min, 1/K0=0.920 #37403  
Cmpd 82927, +MS2(741.7170), 37.0eV, 75.998-76.002min, 1/K0=0.904  
Cmpd 92516, +MS2(770.0736), 37.0eV, 79.723-79.725min, 1/K0=0.862  
Cmpd 62153, +MS2(594.7689), 31.9eV, 68.4min, 1/K0=0.838 #34476  
Cmpd 75078, +MS2(678.8228), 37.0eV, 73.163-73.165min, 1/K0=0.888  
Cmpd 75309, +MS2(678.8239), 37.0eV, 73.3min, 1/K0=0.889 #37017  
Cmpd 62269, +MS2(694.8271), 37.0eV, 68.5min, 1/K0=0.913 #34497  
Cmpd 62130, +MS2(694.8302), 37.0eV, 68.4min, 1/K0=0.910 #34474  
Cmpd 62554, +MS2(694.8301), 37.0eV, 68.6min, 1/K0=0.894 #34553  
Cmpd 63308, +MS2(694.8313), 37.0eV, 68.920-68.924min, 1/K0=0.917  
Cmpd 83645, +MS2(704.3663), 37.0eV, 76.3min, 1/K0=0.909 #38600  
Cmpd 84727, +MS2(810.4446), 37.0eV, 76.660-76.662min, 1/K0=1.024  
Cmpd 83396, +MS2(810.4448), 37.0eV, 76.159-76.161min, 1/K0=1.021  
Cmpd 83598, +MS2(810.4462), 37.0eV, 76.2min, 1/K0=1.022 #38590  
Cmpd 111952, +MS2(831.8888), 37.0eV, 86.1min, 1/K0=1.011 #43740  
Cmpd 112002, +MS2(831.8892), 37.0eV, 86.1min, 1/K0=1.006 #43748  
Cmpd 2149, +MS2(588.9292), 31.9eV, 37.3min, 1/K0=0.807 #17975

Cmpd 111974, +MS2(888.4315), 37.0eV, 86.071-86.073min, 1/K0=1.03  
Cmpd 120994, +MS2(596.9512), 31.9eV, 88.385-88.389min, 1/K0=0.80  
Cmpd 120989, +MS2(894.9349), 42.0eV, 88.4min, 1/K0=1.093 #44937  
Cmpd 111899, +MS2(938.9547), 42.0eV, 86.053-86.055min, 1/K0=1.07  
Cmpd 112097, +MS2(938.9560), 42.0eV, 86.1min, 1/K0=1.074 #43760  
Cmpd 111916, +MS2(1031.0167), 42.0eV, 86.1min, 1/K0=1.143 #43737  
Cmpd 111745, +MS2(1031.0178), 42.0eV, 86.014-86.020min, 1/K0=1.1  
Cmpd 107391, +MS2(725.3716), 37.0eV, 84.926-84.932min, 1/K0=0.88  
Cmpd 107360, +MS2(725.3728), 37.0eV, 84.9min, 1/K0=0.882 #43151  
Cmpd 107341, +MS2(779.7266), 37.0eV, 84.9min, 1/K0=0.900 #43147  
Cmpd 107287, +MS2(779.7213), 37.0eV, 84.9min, 1/K0=0.902 #43142  
Cmpd 107348, +MS2(817.4242), 37.0eV, 84.9min, 1/K0=0.931 #43149  
Cmpd 107340, +MS2(860.4370), 37.0eV, 84.9min, 1/K0=0.950 #43147  
Cmpd 107131, +MS2(927.4625), 37.0eV, 84.9min, 1/K0=0.939 #43122  
Cmpd 107300, +MS2(927.4638), 37.0eV, 84.9min, 1/K0=0.937 #43143  
Cmpd 107299, +MS2(927.4641), 37.0eV, 84.9min, 1/K0=0.989 #43143  
Cmpd 107150, +MS2(927.4655), 37.0eV, 84.9min, 1/K0=0.988 #43124  
Cmpd 121627, +MS2(1042.8333), 42.0eV, 88.5min, 1/K0=1.094 #45015  
Cmpd 29676, +MS2(585.3411), 37.0eV, 55.2min, 1/K0=0.875 #27490  
Cmpd 9232, +MS2(592.3403), 31.9eV, 43.407-43.411min, 1/K0=0.854 #27490  
Cmpd 48336, +MS2(624.3389), 37.0eV, 63.1min, 1/K0=0.865 #31654  
Cmpd 49484, +MS2(624.3389), 37.0eV, 63.565-63.567min, 1/K0=0.868  
Cmpd 48468, +MS2(624.3397), 37.0eV, 63.1min, 1/K0=0.866 #31681  
Cmpd 9048, +MS2(691.8864), 37.0eV, 43.272-43.274min, 1/K0=0.897 #21187  
Cmpd 10528, +MS2(691.8875), 37.0eV, 44.317-44.320min, 1/K0=0.896  
Cmpd 9134, +MS2(691.8877), 37.0eV, 43.3min, 1/K0=0.897 #21187  
Cmpd 9323, +MS2(691.8903), 37.0eV, 43.5min, 1/K0=0.899 #21264  
Cmpd 29681, +MS2(702.3895), 37.0eV, 55.2min, 1/K0=0.954 #27491  
Cmpd 77442, +MS2(808.4637), 37.0eV, 74.0min, 1/K0=1.027 #37403  
Cmpd 89416, +MS2(924.9123), 37.0eV, 78.524-78.527min, 1/K0=1.019  
Cmpd 89226, +MS2(924.9121), 37.0eV, 78.440-78.444min, 1/K0=0.998  
Cmpd 89573, +MS2(924.9123), 37.0eV, 78.6min, 1/K0=0.993 #39832  
Cmpd 471, +MS2(997.9930), 37.0eV, 32.93-32.94min, 1/K0=1.054 #15674  
Cmpd 587, +MS2(665.6635), 37.0eV, 33.782-33.790min, 1/K0=0.861 #15674  
Cmpd 474, +MS2(665.6671), 31.9eV, 32.95-32.96min, 1/K0=0.840 #15674  
Cmpd 476, +MS2(665.6659), 37.0eV, 33.0min, 1/K0=0.861 #15674  
Cmpd 468, +MS2(665.6673), 37.0eV, 32.9min, 1/K0=0.862 #15646  
Cmpd 456, +MS2(665.6656), 37.0eV, 32.870-32.877min, 1/K0=0.860 #15674  
Cmpd 89463, +MS2(1031.4687), 37.0eV, 78.54-78.56min, 1/K0=0.967 #39744  
Cmpd 89197, +MS2(1031.4710), 42.0eV, 78.4min, 1/K0=1.069 #39744  
Cmpd 90272, +MS2(1031.4705), 42.0eV, 78.9min, 1/K0=1.074 #39965  
Cmpd 89053, +MS2(1031.4721), 42.0eV, 78.4min, 1/K0=1.072 #39714  
Cmpd 91375, +MS2(1031.4714), 42.0eV, 79.3min, 1/K0=1.075 #40185  
Cmpd 88914, +MS2(1031.4822), 42.0eV, 78.319-78.327min, 1/K0=1.07  
Cmpd 116084, +MS2(1089.0664), 42.0eV, 87.1min, 1/K0=1.138 #44277  
Cmpd 28470, +MS2(774.7166), 31.9eV, 54.607-54.609min, 1/K0=0.849  
Cmpd 27578, +MS2(774.7152), 31.9eV, 54.106-54.107min, 1/K0=0.843  
Cmpd 27705, +MS2(774.7152), 31.9eV, 54.2min, 1/K0=0.843 #26951

Cmpd 109976, +MS2(874.1303), 37.0eV, 85.6min, 1/K0=1.045 #43485  
Cmpd 120176, +MS2(902.4540), 42.0eV, 88.2min, 1/K0=1.062 #44838  
Cmpd 115754, +MS2(945.1594), 42.0eV, 87.0min, 1/K0=1.065 #44233  
Cmpd 104636, +MS2(964.7942), 37.0eV, 84.1min, 1/K0=0.895 #42727  
Cmpd 22751, +MS2(684.8152), 31.9eV, 51.601-51.605min, 1/K0=0.790  
Cmpd 22808, +MS2(684.8168), 37.0eV, 51.6min, 1/K0=0.883 #25598  
Cmpd 27570, +MS2(684.8179), 37.0eV, 54.102-54.104min, 1/K0=0.882  
Cmpd 22555, +MS2(684.8181), 37.0eV, 51.5min, 1/K0=0.880 #25513  
Cmpd 23195, +MS2(684.8183), 31.9eV, 51.839-51.841min, 1/K0=0.814  
Cmpd 24403, +MS2(684.8186), 37.0eV, 52.5min, 1/K0=0.884 #26039  
Cmpd 28423, +MS2(684.8189), 37.0eV, 54.6min, 1/K0=0.879 #27160  
Cmpd 22636, +MS2(684.8188), 37.0eV, 51.5min, 1/K0=0.882 #25543  
Cmpd 23550, +MS2(684.8190), 37.0eV, 52.1min, 1/K0=0.880 #25818  
Cmpd 25438, +MS2(684.8190), 37.0eV, 53.0min, 1/K0=0.881 #26313  
Cmpd 16439, +MS2(713.3275), 37.0eV, 48.090-48.092min, 1/K0=0.891  
Cmpd 17695, +MS2(713.3266), 37.0eV, 48.857-48.859min, 1/K0=0.910  
Cmpd 16495, +MS2(713.3268), 37.0eV, 48.1min, 1/K0=0.893 #23739  
Cmpd 16652, +MS2(713.3270), 31.9eV, 48.228-48.230min, 1/K0=0.852  
Cmpd 16718, +MS2(713.3281), 31.9eV, 48.267-48.273min, 1/K0=0.809  
Cmpd 18661, +MS2(713.3279), 37.0eV, 49.4min, 1/K0=0.899 #24422  
Cmpd 17872, +MS2(713.3286), 37.0eV, 49.0min, 1/K0=0.910 #24179  
Cmpd 17944, +MS2(713.3291), 37.0eV, 49.0min, 1/K0=0.895 #24202  
Cmpd 19428, +MS2(713.3298), 37.0eV, 49.831-49.838min, 1/K0=0.894  
Cmpd 16564, +MS2(713.3301), 37.0eV, 48.2min, 1/K0=0.893 #23761  
Cmpd 17198, +MS2(713.3302), 37.0eV, 48.6min, 1/K0=0.894 #23981  
Cmpd 111932, +MS2(854.9466), 37.0eV, 86.1min, 1/K0=1.021 #43738  
Cmpd 111854, +MS2(904.4814), 42.0eV, 86.039-86.041min, 1/K0=1.07  
Cmpd 759, +MS2(612.9544), 31.9eV, 34.6min, 1/K0=0.741 #16531  
Cmpd 879, +MS2(612.9553), 31.9eV, 35.012-35.013min, 1/K0=0.741 #:  
Cmpd 111790, +MS2(961.0232), 42.0eV, 86.022-86.026min, 1/K0=1.13  
1.00000000000000000000.0 Cmpd 9275, +MS2(707.3641), 31.9eV, 43.4min, 1/K0=0.848 #21243  
Cmpd 111831, +MS2(1084.0912), 42.0eV, 86.0min, 1/K0=1.232 #43726  
Cmpd 107127, +MS2(1172.5775), 42.0eV, 84.9min, 1/K0=1.161 #43122  
Cmpd 107089, +MS2(1172.5756), 42.0eV, 84.853-84.855min, 1/K0=1.1  
Cmpd 111927, +MS2(1177.1240), 47.0eV, 86.1min, 1/K0=1.291 #43736  
Cmpd 111901, +MS2(1177.1254), 47.0eV, 86.1min, 1/K0=1.291 #43736  
Cmpd 13122, +MS2(805.7057), 31.9eV, 46.0min, 1/K0=0.853 #22629  
Cmpd 9110, +MS2(824.7116), 37.0eV, 43.3min, 1/K0=0.866 #21177  
Cmpd 9706, +MS2(824.7135), 37.0eV, 43.757-43.764min, 1/K0=0.869 #  
Cmpd 8992, +MS2(824.7122), 37.0eV, 43.242-43.245min, 1/K0=0.865 #  
Cmpd 9667, +MS2(824.7123), 37.0eV, 43.726-43.730min, 1/K0=0.868 #  
Cmpd 9253, +MS2(824.7137), 31.9eV, 43.419-43.423min, 1/K0=0.761 #  
Cmpd 9178, +MS2(824.7119), 31.9eV, 43.364-43.366min, 1/K0=0.763 #  
Cmpd 111802, +MS2(1319.6880), 47.0eV, 86.028-86.034min, 1/K0=1.3  
Cmpd 116071, +MS2(1326.1870), 47.0eV, 87.108-87.110min, 1/K0=1.2  
Cmpd 3492, +MS2(577.8217), 31.9eV, 38.657-38.666min, 1/K0=0.839 #  
Cmpd 3462, +MS2(577.8218), 31.9eV, 38.625-38.629min, 1/K0=0.839 #  
Cmpd 4128, +MS2(577.8218), 31.9eV, 39.3min, 1/K0=0.842 #19020

Cmpd 4113, +MS2(577.8220), 31.9eV, 39.250-39.254min, 1/K0=0.812 #19031  
Cmpd 3424, +MS2(577.8235), 31.9eV, 38.582-38.588min, 1/K0=0.832 #19031  
Cmpd 4057, +MS2(577.8240), 31.9eV, 39.194-39.200min, 1/K0=0.843 #19031  
Cmpd 3471, +MS2(577.8242), 31.9eV, 38.63-38.65min, 1/K0=0.838 #19031  
Cmpd 4146, +MS2(613.3406), 31.9eV, 39.3min, 1/K0=0.837 #19031  
Cmpd 949, +MS2(641.8686), 37.0eV, 35.22-35.23min, 1/K0=0.885 #19031  
Cmpd 4601, +MS2(662.8736), 37.0eV, 39.660-39.668min, 1/K0=0.885 #19031  
Cmpd 4107, +MS2(662.8743), 37.0eV, 39.2min, 1/K0=0.887 #19009  
Cmpd 4046, +MS2(662.8743), 37.0eV, 39.187-39.188min, 1/K0=0.884 #19031  
Cmpd 972, +MS2(677.3895), 37.0eV, 35.296-35.300min, 1/K0=0.888 #19031  
Cmpd 3390, +MS2(727.3949), 37.0eV, 38.548-38.552min, 1/K0=0.882 #19031  
Cmpd 3437, +MS2(727.3966), 37.0eV, 38.597-38.604min, 1/K0=0.908 #19031  
Cmpd 36659, +MS2(751.9132), 37.0eV, 58.316-58.318min, 1/K0=0.951 #19031  
Cmpd 4156, +MS2(514.2746), 31.9eV, 39.295-39.302min, 1/K0=0.670 #19031  
Cmpd 4280, +MS2(514.2764), 31.9eV, 39.426-39.428min, 1/K0=0.766 #19031  
Cmpd 4069, +MS2(770.9115), 37.0eV, 39.2min, 1/K0=0.916 #18987  
Cmpd 4137, +MS2(514.2772), 31.9eV, 39.276-39.280min, 1/K0=0.782 #19031  
Cmpd 4149, +MS2(770.9125), 37.0eV, 39.3min, 1/K0=0.945 #19032  
Cmpd 4145, +MS2(770.9136), 37.0eV, 39.3min, 1/K0=0.916 #19031  
Cmpd 4077, +MS2(770.9141), 37.0eV, 39.211-39.213min, 1/K0=0.940 #19031  
Cmpd 4036, +MS2(770.9147), 37.0eV, 39.181-39.185min, 1/K0=0.911 #19031  
Cmpd 33779, +MS2(787.4332), 37.0eV, 57.1min, 1/K0=0.959 #28513  
Cmpd 36709, +MS2(822.9486), 37.0eV, 58.332-58.337min, 1/K0=1.042 #19031  
Cmpd 38605, +MS2(822.9491), 37.0eV, 59.1min, 1/K0=0.971 #29570  
Cmpd 36400, +MS2(822.9499), 37.0eV, 58.2min, 1/K0=0.963 #29087  
Cmpd 36623, +MS2(822.9501), 37.0eV, 58.3min, 1/K0=0.971 #29129  
Cmpd 37648, +MS2(822.9503), 37.0eV, 58.7min, 1/K0=0.972 #29350  
Cmpd 947, +MS2(834.9627), 37.0eV, 35.217-35.225min, 1/K0=0.990 #19031  
Cmpd 41352, +MS2(858.4692), 37.0eV, 60.306-60.310min, 1/K0=0.996 #19031  
Cmpd 41331, +MS2(858.4690), 37.0eV, 60.298-60.302min, 1/K0=0.996 #19031  
Cmpd 74493, +MS2(1006.5155), 42.0eV, 72.952-72.954min, 1/K0=1.09 #19031  
Cmpd 92973, +MS2(1201.6091), 42.0eV, 79.90-79.91min, 1/K0=1.180 #19031  
Cmpd 22953, +MS2(599.8402), 31.9eV, 51.7min, 1/K0=0.825 #25631  
Cmpd 22768, +MS2(599.8411), 31.9eV, 51.6min, 1/K0=0.825 #25587  
Cmpd 110020, +MS2(643.8400), 37.0eV, 85.6min, 1/K0=0.910 #43490  
Cmpd 77244, +MS2(725.9014), 37.0eV, 73.917-73.919min, 1/K0=0.916 #19031  
Cmpd 61113, +MS2(746.3590), 37.0eV, 68.042-68.045min, 1/K0=0.912 #19031  
Cmpd 95293, +MS2(747.8719), 37.0eV, 80.8min, 1/K0=0.939 #41002  
Cmpd 95558, +MS2(747.8736), 37.0eV, 80.9min, 1/K0=0.940 #41053  
Cmpd 109913, +MS2(793.4245), 42.0eV, 85.6min, 1/K0=1.060 #43477  
Cmpd 95192, +MS2(846.9424), 37.0eV, 80.8min, 1/K0=1.034 #40987  
Cmpd 94903, +MS2(846.9426), 37.0eV, 80.7min, 1/K0=1.037 #40933  
Cmpd 95010, +MS2(846.9426), 37.0eV, 80.7min, 1/K0=1.003 #40954  
Cmpd 88993, +MS2(664.0031), 31.9eV, 78.351-78.353min, 1/K0=0.748 #19031  
Cmpd 87507, +MS2(664.0060), 31.9eV, 77.750-77.756min, 1/K0=0.747 #19031  
Cmpd 87906, +MS2(664.0061), 31.9eV, 77.9min, 1/K0=0.747 #39469  
Cmpd 87660, +MS2(995.5080), 42.0eV, 77.815-77.819min, 1/K0=1.093 #19031  
Cmpd 72197, +MS2(711.0155), 31.9eV, 72.1min, 1/K0=0.775 #36413



	Cmpd 72376, +MS2(711.0148), 31.9eV, 72.2min, 1/K0=0.775 #36455
	Cmpd 72232, +MS2(711.0178), 31.9eV, 72.1min, 1/K0=0.825 #36422
	Cmpd 94784, +MS2(1187.5997), 42.0eV, 80.642-80.644min, 1/K0=1.19
	Cmpd 94893, +MS2(1187.5987), 42.0eV, 80.688-80.689min, 1/K0=1.20
	Cmpd 94852, +MS2(1187.5997), 42.0eV, 80.7min, 1/K0=1.199 #40922
	Cmpd 96038, +MS2(1187.6027), 42.0eV, 81.1min, 1/K0=1.176 #41141
	Cmpd 94845, +MS2(1187.6040), 42.0eV, 80.7min, 1/K0=1.175 #40921
	Cmpd 95393, +MS2(1187.6028), 42.0eV, 80.9min, 1/K0=1.156 #41021
	Cmpd 108625, +MS2(972.5220), 37.0eV, 85.2min, 1/K0=0.990 #43311
	Cmpd 86104, +MS2(1068.2129), 37.0eV, 77.199-77.201min, 1/K0=0.97
	Cmpd 95298, +MS2(705.8306), 37.0eV, 80.824-80.826min, 1/K0=0.893
	Cmpd 95571, +MS2(762.3745), 37.0eV, 80.9min, 1/K0=0.960 #41054
	Cmpd 35549, +MS2(765.3802), 37.0eV, 57.9min, 1/K0=0.945 #28898
	Cmpd 35369, +MS2(765.3812), 37.0eV, 57.784-57.786min, 1/K0=0.956
	Cmpd 35234, +MS2(902.4167), 37.0eV, 57.722-57.724min, 1/K0=1.031
	Cmpd 35501, +MS2(601.9461), 31.9eV, 57.8min, 1/K0=0.762 #28887
	Cmpd 35420, +MS2(902.4164), 37.0eV, 57.8min, 1/K0=1.031 #28866
	Cmpd 36399, +MS2(902.4170), 37.0eV, 58.225-58.227min, 1/K0=1.032
	Cmpd 35441, +MS2(902.4187), 37.0eV, 57.818-57.824min, 1/K0=1.001
	Cmpd 114089, +MS2(921.9568), 42.0eV, 86.6min, 1/K0=1.079 #44015
	Cmpd 111032, +MS2(921.9576), 42.0eV, 85.827-85.832min, 1/K0=1.06
	Cmpd 110945, +MS2(950.4664), 42.0eV, 85.8min, 1/K0=1.073 #43606
	Cmpd 112605, +MS2(1025.5558), 42.0eV, 86.2min, 1/K0=1.145 #43826
	Cmpd 95502, +MS2(689.0097), 31.9eV, 80.9min, 1/K0=0.763 #41042
	Cmpd 95133, +MS2(689.0086), 31.9eV, 80.8min, 1/K0=0.793 #40976
	Cmpd 97587, +MS2(689.0068), 31.9eV, 81.591-81.593min, 1/K0=0.791
	Cmpd 94961, +MS2(689.0094), 31.9eV, 80.710-80.712min, 1/K0=0.795
	Cmpd 95446, +MS2(689.0114), 31.9eV, 80.9min, 1/K0=0.795 #41031
	Cmpd 95250, +MS2(1033.0184), 42.0eV, 80.8min, 1/K0=1.108 #40998
0.00000200000000000000.0	Cmpd 91452, +MS2(732.0678), 31.9eV, 79.304-79.306min, 1/K0=0.851
	Cmpd 111002, +MS2(1109.0506), 42.0eV, 85.8min, 1/K0=1.201 #43616
	Cmpd 110898, +MS2(1109.0505), 42.0eV, 85.790-85.792min, 1/K0=1.2
	Cmpd 110943, +MS2(1159.5780), 42.0eV, 85.80-85.82min, 1/K0=1.230
	Cmpd 110966, +MS2(1188.0858), 47.0eV, 85.807-85.811min, 1/K0=1.2
	Cmpd 110910, +MS2(1216.5943), 47.0eV, 85.794-85.798min, 1/K0=1.2
	Cmpd 110979, +MS2(1267.1239), 47.0eV, 85.813-85.815min, 1/K0=1.2
1.0000000000000000000000.0	Cmpd 114167, +MS2(859.0988), 37.0eV, 86.619-86.621min, 1/K0=0.95
	Cmpd 38669, +MS2(628.8124), 37.0eV, 59.165-59.167min, 1/K0=0.887
	Cmpd 37683, +MS2(628.8143), 37.0eV, 58.7min, 1/K0=0.889 #29360
	Cmpd 37451, +MS2(628.8160), 37.0eV, 58.6min, 1/K0=0.888 #29307
	Cmpd 37827, +MS2(685.3548), 37.0eV, 58.8min, 1/K0=0.938 #29394
	Cmpd 38750, +MS2(734.8892), 37.0eV, 59.203-59.205min, 1/K0=0.966
	Cmpd 37776, +MS2(734.8901), 37.0eV, 58.8min, 1/K0=0.969 #29382
	Cmpd 39875, +MS2(734.8915), 37.0eV, 59.715-59.719min, 1/K0=0.965
	Cmpd 92602, +MS2(814.9218), 37.0eV, 79.763-79.765min, 1/K0=1.016
	Cmpd 92704, +MS2(814.9219), 37.0eV, 79.8min, 1/K0=1.017 #40460
	Cmpd 92864, +MS2(814.9223), 37.0eV, 79.9min, 1/K0=1.018 #40492
	Cmpd 94896, +MS2(814.9227), 37.0eV, 80.7min, 1/K0=1.009 #40932

0.002000000000000000.0	Cmpd 93894, +MS2(814.9245), 37.0eV, 80.3min, 1/K0=1.010 #40712
0.002000000000000000.0	Cmpd 86831, +MS2(822.9182), 37.0eV, 77.490-77.492min, 1/K0=1.004
0.002000000000000000.0	Cmpd 76720, +MS2(822.9184), 37.0eV, 73.7min, 1/K0=1.012 #37269
0.002000000000000000.0	Cmpd 83165, +MS2(822.9204), 37.0eV, 76.087-76.089min, 1/K0=1.020
0.002000000000000000.0	Cmpd 77660, +MS2(822.9195), 37.0eV, 74.1min, 1/K0=0.997 #37447
0.002000000000000000.0	Cmpd 76394, +MS2(822.9200), 37.0eV, 73.6min, 1/K0=1.003 #37220
0.002000000000000000.0	Cmpd 93114, +MS2(822.9212), 37.0eV, 80.0min, 1/K0=0.997 #40548
	Cmpd 100775, +MS2(1041.0100), 42.0eV, 82.745-82.747min, 1/K0=1.1
	Cmpd 100998, +MS2(1041.0084), 42.0eV, 82.8min, 1/K0=1.125 #42055
	Cmpd 120270, +MS2(1066.0531), 42.0eV, 88.2min, 1/K0=1.181 #44850
	Cmpd 79476, +MS2(1105.0557), 42.0eV, 74.7min, 1/K0=1.160 #37799
	Cmpd 79734, +MS2(1105.0535), 42.0eV, 74.8min, 1/K0=1.161 #37841
	Cmpd 118047, +MS2(1186.1455), 42.0eV, 87.615-87.618min, 1/K0=1.2
	Cmpd 118016, +MS2(791.1000), 37.0eV, 87.6min, 1/K0=0.974 #44531
	Cmpd 43257, +MS2(620.8382), 37.0eV, 61.1min, 1/K0=0.863 #30615
	Cmpd 43094, +MS2(620.8383), 37.0eV, 61.045-61.049min, 1/K0=0.863
	Cmpd 110000, +MS2(620.8710), 37.0eV, 85.57-85.58min, 1/K0=0.883 #
	Cmpd 9562, +MS2(641.7930), 31.9eV, 43.6min, 1/K0=0.849 #21352
	Cmpd 49789, +MS2(643.8309), 37.0eV, 63.685-63.688min, 1/K0=0.879
	Cmpd 100731, +MS2(645.8316), 37.0eV, 82.724-82.726min, 1/K0=0.87
	Cmpd 100692, +MS2(645.8327), 37.0eV, 82.7min, 1/K0=0.874 #41995
	Cmpd 101123, +MS2(645.8332), 37.0eV, 82.9min, 1/K0=0.874 #42078
0.0000002000000.0	Cmpd 597, +MS2(649.7912), 31.9eV, 33.823-33.831min, 1/K0=0.837 #
0.0000002000000.0	Cmpd 606, +MS2(649.7956), 31.9eV, 33.85-33.87min, 1/K0=0.838 #16
	Cmpd 50584, +MS2(692.3570), 37.0eV, 64.002-64.004min, 1/K0=0.934
	Cmpd 49519, +MS2(692.3585), 37.0eV, 63.6min, 1/K0=0.936 #31914
	Cmpd 109893, +MS2(720.9121), 37.0eV, 85.5min, 1/K0=0.969 #43475
	Cmpd 119825, +MS2(758.8552), 37.0eV, 88.1min, 1/K0=0.917 #44793
	Cmpd 109902, +MS2(771.4367), 37.0eV, 85.5min, 1/K0=1.021 #43476
	Cmpd 49265, +MS2(800.3905), 37.0eV, 63.476-63.480min, 1/K0=0.983
	Cmpd 49409, +MS2(800.3956), 37.0eV, 63.5min, 1/K0=0.981 #31891
	Cmpd 50433, +MS2(800.3952), 37.0eV, 63.9min, 1/K0=0.987 #32111
	Cmpd 109785, +MS2(546.9723), 31.9eV, 85.5min, 1/K0=0.810 #43463
	Cmpd 109754, +MS2(546.9756), 31.9eV, 85.519-85.521min, 1/K0=0.80
	Cmpd 109727, +MS2(819.9624), 42.0eV, 85.509-85.513min, 1/K0=1.06
	Cmpd 109920, +MS2(819.9637), 37.0eV, 85.6min, 1/K0=1.020 #43479
	Cmpd 109882, +MS2(819.9649), 42.0eV, 85.5min, 1/K0=1.065 #43474
	Cmpd 119899, +MS2(856.9226), 37.0eV, 88.1min, 1/K0=1.010 #44803
	Cmpd 109905, +MS2(584.6688), 31.9eV, 85.5min, 1/K0=0.830 #43476
	Cmpd 109861, +MS2(584.6689), 31.9eV, 85.5min, 1/K0=0.829 #43472
	Cmpd 109891, +MS2(876.5034), 42.0eV, 85.5min, 1/K0=1.098 #43475
	Cmpd 57667, +MS2(890.9092), 37.0eV, 66.754-66.758min, 1/K0=1.030
	Cmpd 57437, +MS2(947.4570), 42.0eV, 66.680-66.682min, 1/K0=1.069
	Cmpd 109961, +MS2(993.5558), 42.0eV, 85.6min, 1/K0=1.171 #43484
	Cmpd 58880, +MS2(993.9665), 42.0eV, 67.2min, 1/K0=1.061 #33827
	Cmpd 60108, +MS2(993.9672), 42.0eV, 67.7min, 1/K0=1.064 #34079
	Cmpd 59048, +MS2(993.9672), 42.0eV, 67.3min, 1/K0=1.062 #33859
	Cmpd 107591, +MS2(759.0103), 37.0eV, 84.974-84.978min, 1/K0=0.90

Cmpd 107459, +MS2(916.1019), 37.0eV, 84.9min, 1/K0=0.977 #43165  
Cmpd 81826, +MS2(586.8704), 37.0eV, 75.6min, 1/K0=0.879 #38237  
Cmpd 82172, +MS2(586.8729), 37.0eV, 75.7min, 1/K0=0.881 #38303  
Cmpd 15702, +MS2(609.3159), 31.9eV, 47.7min, 1/K0=0.831 #23497  
Cmpd 15602, +MS2(609.3157), 31.9eV, 47.6min, 1/K0=0.848 #23464  
Cmpd 15496, +MS2(609.3166), 31.9eV, 47.5min, 1/K0=0.838 #23421  
Cmpd 15853, +MS2(609.3179), 31.9eV, 47.8min, 1/K0=0.851 #23542  
Cmpd 83115, +MS2(643.4163), 37.0eV, 76.070-76.072min, 1/K0=0.967  
Cmpd 81747, +MS2(643.4165), 37.0eV, 75.545-75.547min, 1/K0=0.963  
Cmpd 82026, +MS2(643.4174), 37.0eV, 75.6min, 1/K0=0.963 #38272  
Cmpd 33241, +MS2(650.8551), 31.9eV, 56.876-56.882min, 1/K0=0.780  
Cmpd 35764, +MS2(650.8568), 37.0eV, 57.955-57.957min, 1/K0=0.890  
Cmpd 32721, +MS2(650.8571), 37.0eV, 56.7min, 1/K0=0.891 #28261  
Cmpd 33922, +MS2(650.8573), 37.0eV, 57.2min, 1/K0=0.898 #28546  
Cmpd 33138, +MS2(650.8578), 31.9eV, 56.83-56.85min, 1/K0=0.796 #28284  
Cmpd 32824, +MS2(650.8581), 37.0eV, 56.7min, 1/K0=0.891 #28284  
Cmpd 33034, +MS2(650.8601), 37.0eV, 56.8min, 1/K0=0.890 #28326  
Cmpd 33118, +MS2(650.8598), 31.9eV, 56.8min, 1/K0=0.787 #28346  
Cmpd 38904, +MS2(687.3988), 37.0eV, 59.281-59.282min, 1/K0=0.964  
Cmpd 39046, +MS2(687.3990), 37.0eV, 59.339-59.343min, 1/K0=0.965  
Cmpd 38636, +MS2(771.4449), 37.0eV, 59.156-59.158min, 1/K0=1.030  
Cmpd 38656, +MS2(771.4448), 37.0eV, 59.161-59.163min, 1/K0=1.028  
Cmpd 38830, +MS2(771.4459), 37.0eV, 59.2min, 1/K0=1.029 #29624  
Cmpd 32515, +MS2(540.6058), 31.9eV, 56.6min, 1/K0=0.774 #28217  
Cmpd 121275, +MS2(914.9742), 37.0eV, 88.5min, 1/K0=1.027 #44972  
Cmpd 75219, +MS2(747.7198), 31.9eV, 73.216-73.218min, 1/K0=0.831  
Cmpd 74775, +MS2(747.7208), 31.9eV, 73.1min, 1/K0=0.847 #36909  
Cmpd 115653, +MS2(1085.5653), 42.0eV, 87.0min, 1/K0=1.190 #44221  
Cmpd 96423, +MS2(601.8242), 31.9eV, 81.2min, 1/K0=0.819 #41207  
Cmpd 99026, +MS2(601.8249), 31.9eV, 82.1min, 1/K0=0.835 #41648  
Cmpd 102002, +MS2(601.8255), 31.9eV, 83.191-83.195min, 1/K0=0.83  
Cmpd 96636, +MS2(601.8259), 31.9eV, 81.3min, 1/K0=0.815 #41240  
Cmpd 100130, +MS2(601.8266), 31.9eV, 82.483-82.485min, 1/K0=0.83  
Cmpd 106063, +MS2(601.8268), 31.9eV, 84.570-84.572min, 1/K0=0.83  
Cmpd 97698, +MS2(601.8273), 31.9eV, 81.6min, 1/K0=0.829 #41428  
Cmpd 95759, +MS2(601.8275), 31.9eV, 81.0min, 1/K0=0.835 #41087  
Cmpd 95934, +MS2(601.8279), 31.9eV, 81.0min, 1/K0=0.836 #41120  
Cmpd 94408, +MS2(601.8283), 31.9eV, 80.481-80.483min, 1/K0=0.829  
Cmpd 95541, +MS2(601.8385), 31.9eV, 80.912-80.914min, 1/K0=0.842  
Cmpd 97430, +MS2(707.9045), 37.0eV, 81.538-81.539min, 1/K0=0.940  
Cmpd 95719, +MS2(707.9055), 37.0eV, 81.0min, 1/K0=0.899 #41078  
Cmpd 95807, +MS2(707.9068), 37.0eV, 81.0min, 1/K0=0.899 #41097  
Cmpd 96100, +MS2(707.9073), 37.0eV, 81.1min, 1/K0=0.928 #41152  
Cmpd 95814, +MS2(707.9081), 37.0eV, 81.0min, 1/K0=0.948 #41098  
Cmpd 95722, +MS2(707.9083), 37.0eV, 80.967-80.976min, 1/K0=0.948  
Cmpd 107873, +MS2(810.4253), 37.0eV, 85.0min, 1/K0=1.024 #43218  
Cmpd 107853, +MS2(866.9667), 42.0eV, 85.043-85.046min, 1/K0=1.08  
Cmpd 107979, +MS2(940.4884), 42.0eV, 85.1min, 1/K0=1.131 #43231

Cmpd 107810, +MS2(940.5008), 42.0eV, 85.0min, 1/K0=1.133 #43210  
 Cmpd 107888, +MS2(1018.5474), 42.0eV, 85.1min, 1/K0=1.165 #43220  
 Cmpd 107768, +MS2(1018.5472), 42.0eV, 85.023-85.025min, 1/K0=1.1  
 Cmpd 107899, +MS2(1069.0692), 42.0eV, 85.1min, 1/K0=1.175 #43221  
 Cmpd 107887, +MS2(1118.6048), 42.0eV, 85.1min, 1/K0=1.213 #43220  
 Cmpd 53740, +MS2(770.1015), 37.0eV, 65.3min, 1/K0=0.863 #32804  
 Cmpd 53513, +MS2(770.1022), 37.0eV, 65.159-65.161min, 1/K0=0.857  
 Cmpd 25836, +MS2(450.7595), 31.9eV, 53.19-53.21min, 1/K0=0.720 #4  
 Cmpd 25954, +MS2(573.8296), 31.9eV, 53.256-53.263min, 1/K0=0.844  
 Cmpd 103915, +MS2(589.3115), 31.9eV, 83.844-83.846min, 1/K0=0.83  
 Cmpd 87952, +MS2(641.8244), 37.0eV, 77.9min, 1/K0=0.871 #39480  
 Cmpd 87720, +MS2(641.8253), 37.0eV, 77.836-77.840min, 1/K0=0.874  
 Cmpd 85563, +MS2(681.3523), 37.0eV, 77.0min, 1/K0=0.899 #38975  
 Cmpd 86844, +MS2(681.3524), 37.0eV, 77.5min, 1/K0=0.907 #39249  
 Cmpd 85802, +MS2(681.3529), 37.0eV, 77.1min, 1/K0=0.903 #39029  
 Cmpd 87960, +MS2(681.3531), 37.0eV, 77.9min, 1/K0=0.894 #39481  
 Cmpd 106843, +MS2(696.3773), 37.0eV, 84.783-84.787min, 1/K0=0.91  
 Cmpd 103376, +MS2(696.3774), 37.0eV, 83.7min, 1/K0=0.915 #42501  
 Cmpd 103636, +MS2(696.3781), 37.0eV, 83.7min, 1/K0=0.907 #42540  
 Cmpd 105183, +MS2(696.3784), 37.0eV, 84.3min, 1/K0=0.921 #42825  
 Cmpd 103625, +MS2(696.3786), 37.0eV, 83.7min, 1/K0=0.919 #42538  
 Cmpd 103929, +MS2(696.3795), 37.0eV, 83.8min, 1/K0=0.935 #42593  
 Cmpd 103991, +MS2(696.3806), 37.0eV, 83.9min, 1/K0=0.920 #42604  
 Cmpd 122206, +MS2(855.9648), 37.0eV, 88.7min, 1/K0=1.031 #45091  
 Cmpd 105995, +MS2(873.9919), 42.0eV, 84.6min, 1/K0=1.064 #42962  
 Cmpd 94427, +MS2(691.7288), 31.9eV, 80.491-80.493min, 1/K0=0.836  
 Cmpd 120987, +MS2(1079.1334), 42.0eV, 88.4min, 1/K0=1.224 #44937  
 Cmpd 121064, +MS2(719.7585), 37.0eV, 88.4min, 1/K0=0.922 #44946  
 Cmpd 121102, +MS2(719.7591), 37.0eV, 88.4min, 1/K0=0.922 #44949  
 Cmpd 101113, +MS2(1159.0532), 47.0eV, 82.868-82.878min, 1/K0=1.2  
 Cmpd 85791, +MS2(783.0627), 37.0eV, 77.1min, 1/K0=0.867 #39027  
 Cmpd 105158, +MS2(814.7763), 37.0eV, 84.285-84.286min, 1/K0=0.87  
 Cmpd 122641, +MS2(914.5238), 37.0eV, 88.8min, 1/K0=1.050 #45155  
 Cmpd 122664, +MS2(914.5263), 37.0eV, 88.8min, 1/K0=1.053 #45157  
 Cmpd 120920, +MS2(1146.6061), 42.0eV, 88.4min, 1/K0=1.069 #44928  
 Cmpd 30397, +MS2(567.8142), 31.9eV, 55.6min, 1/K0=0.807 #27677  
 Cmpd 30495, +MS2(567.8143), 31.9eV, 55.6min, 1/K0=0.826 #27701  
 Cmpd 30279, +MS2(567.8147), 31.9eV, 55.5min, 1/K0=0.804 #27648  
 Cmpd 31244, +MS2(567.8159), 31.9eV, 55.988-55.989min, 1/K0=0.810  
 Cmpd 9769, +MS2(584.2835), 31.9eV, 43.811-43.813min, 1/K0=0.813 #  
 Cmpd 9901, +MS2(584.2835), 31.9eV, 43.9min, 1/K0=0.810 #21496  
 Cmpd 9945, +MS2(584.2836), 31.9eV, 43.9min, 1/K0=0.800 #21509  
 Cmpd 69073, +MS2(690.8890), 37.0eV, 70.968-70.972min, 1/K0=0.946  
 Cmpd 108726, +MS2(737.9096), 37.0eV, 85.3min, 1/K0=0.942 #43325  
 Cmpd 68930, +MS2(790.4386), 37.0eV, 70.9min, 1/K0=0.988 #35787  
 Cmpd 74153, +MS2(809.8944), 37.0eV, 72.823-72.827min, 1/K0=0.959  
 Cmpd 72344, +MS2(900.9726), 37.0eV, 72.176-72.180min, 1/K0=1.027  
 Cmpd 72472, +MS2(900.9739), 37.0eV, 72.2min, 1/K0=1.028 #36477

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Cmpd 50878, +MS2(926.9286), 37.0eV, 64.1min, 1/K0=1.037 #32200  
Cmpd 51373, +MS2(926.9302), 37.0eV, 64.322-64.324min, 1/K0=1.037  
Cmpd 50619, +MS2(926.9329), 37.0eV, 64.015-64.017min, 1/K0=1.034  
Cmpd 28706, +MS2(934.9250), 37.0eV, 54.739-54.747min, 1/K0=1.030  
Cmpd 72497, +MS2(676.6907), 31.9eV, 72.238-72.246min, 1/K0=0.799  
Cmpd 116190, +MS2(690.3637), 31.9eV, 87.14-87.15min, 1/K0=0.823 #44299  
Cmpd 116242, +MS2(690.3638), 31.9eV, 87.2min, 1/K0=0.818 #44299  
Cmpd 116344, +MS2(690.3681), 37.0eV, 87.2min, 1/K0=0.876 #44312  
Cmpd 116263, +MS2(690.3666), 31.9eV, 87.156-87.158min, 1/K0=0.84  
Cmpd 84368, +MS2(876.4067), 37.0eV, 76.524-76.526min, 1/K0=0.876  
Cmpd 83021, +MS2(876.4107), 37.0eV, 76.0min, 1/K0=0.882 #38479  
Cmpd 82823, +MS2(876.4103), 37.0eV, 75.955-75.957min, 1/K0=0.883  
Cmpd 19726, +MS2(505.7881), 31.9eV, 49.989-49.991min, 1/K0=0.795  
Cmpd 19664, +MS2(554.3161), 37.0eV, 49.970-49.972min, 1/K0=0.861  
Cmpd 19763, +MS2(554.3170), 37.0eV, 50.0min, 1/K0=0.868 #24730  
Cmpd 39417, +MS2(590.3096), 31.9eV, 59.504-59.507min, 1/K0=0.819  
Cmpd 38105, +MS2(590.3119), 31.9eV, 58.9min, 1/K0=0.810 #29459  
Cmpd 19603, +MS2(625.3510), 37.0eV, 49.936-49.938min, 1/K0=0.915  
Cmpd 19695, +MS2(625.3553), 37.0eV, 50.0min, 1/K0=0.909 #24719  
Cmpd 20474, +MS2(625.3557), 37.0eV, 50.405-50.410min, 1/K0=0.908  
Cmpd 37933, +MS2(646.8557), 37.0eV, 58.860-58.863min, 1/K0=0.882  
Cmpd 77149, +MS2(661.8913), 37.0eV, 73.9min, 1/K0=0.882 #37347  
Cmpd 68504, +MS2(680.3819), 37.0eV, 70.780-70.783min, 1/K0=0.910  
Cmpd 69584, +MS2(680.3818), 37.0eV, 71.1min, 1/K0=0.888 #35905  
Cmpd 68347, +MS2(680.3829), 37.0eV, 70.7min, 1/K0=0.897 #35685  
Cmpd 68177, +MS2(680.3830), 37.0eV, 70.670-70.673min, 1/K0=0.890  
Cmpd 71890, +MS2(680.3834), 37.0eV, 71.991-71.993min, 1/K0=0.885  
Cmpd 38005, +MS2(703.8779), 37.0eV, 58.9min, 1/K0=0.923 #29438  
Cmpd 62548, +MS2(767.3866), 37.0eV, 68.58-68.59min, 1/K0=0.933 #44299  
Cmpd 62502, +MS2(767.3867), 37.0eV, 68.55-68.57min, 1/K0=0.931 #44299  
Cmpd 63883, +MS2(767.3871), 37.0eV, 69.153-69.155min, 1/K0=0.934  
Cmpd 37639, +MS2(782.9098), 37.0eV, 58.7min, 1/K0=0.991 #29349  
Cmpd 37818, +MS2(782.9098), 37.0eV, 58.8min, 1/K0=0.994 #29393  
Cmpd 39014, +MS2(782.9102), 37.0eV, 59.3min, 1/K0=0.992 #29669  
Cmpd 38045, +MS2(782.9115), 37.0eV, 58.9min, 1/K0=0.995 #29448  
Cmpd 39959, +MS2(782.9111), 37.0eV, 59.744-59.753min, 1/K0=0.992  
Cmpd 110499, +MS2(930.5037), 42.0eV, 85.7min, 1/K0=1.057 #43551  
Cmpd 48847, +MS2(660.0317), 31.9eV, 63.3min, 1/K0=0.854 #31769  
Cmpd 48664, +MS2(660.0321), 31.9eV, 63.221-63.223min, 1/K0=0.853  
Cmpd 96453, +MS2(800.4324), 37.0eV, 81.2min, 1/K0=0.959 #41210  
Cmpd 96500, +MS2(800.4336), 37.0eV, 81.2min, 1/K0=0.982 #41218  
Cmpd 96303, +MS2(800.4337), 37.0eV, 81.2min, 1/K0=0.972 #41185  
Cmpd 96133, +MS2(800.4350), 37.0eV, 81.118-81.119min, 1/K0=0.971  
Cmpd 11434, +MS2(379.7083), 31.9eV, 44.9min, 1/K0=0.678 #22045  
Cmpd 12125, +MS2(379.7087), 31.9eV, 45.399-45.401min, 1/K0=0.664  
Cmpd 11371, +MS2(423.2247), 31.9eV, 44.908-44.910min, 1/K0=0.717  
Cmpd 11467, +MS2(423.2255), 31.9eV, 45.0min, 1/K0=0.715 #22056  
Cmpd 12099, +MS2(423.2256), 31.9eV, 45.4min, 1/K0=0.714 #22277

	Cmpd 11396, +MS2(523.2820), 31.9eV, 44.9min, 1/K0=0.774 #22034
	Cmpd 12037, +MS2(523.2828), 31.9eV, 45.3min, 1/K0=0.776 #22254
	Cmpd 14945, +MS2(523.2873), 31.9eV, 47.162-47.166min, 1/K0=0.772
	Cmpd 55860, +MS2(783.8740), 37.0eV, 66.1min, 1/K0=0.937 #33232
	Cmpd 56101, +MS2(783.8765), 37.0eV, 66.188-66.193min, 1/K0=0.958
	Cmpd 55583, +MS2(783.8788), 37.0eV, 65.966-65.968min, 1/K0=0.940
	Cmpd 93131, +MS2(857.4127), 37.0eV, 79.969-79.971min, 1/K0=0.987
	Cmpd 103866, +MS2(970.9685), 37.0eV, 83.8min, 1/K0=1.051 #42582
	Cmpd 102267, +MS2(970.9654), 37.0eV, 83.295-83.297min, 1/K0=1.05
	Cmpd 98504, +MS2(970.9747), 37.0eV, 81.878-81.881min, 1/K0=1.048
	Cmpd 105046, +MS2(970.9716), 37.0eV, 84.2min, 1/K0=1.051 #42802
	Cmpd 103021, +MS2(970.9717), 37.0eV, 83.6min, 1/K0=1.049 #42439
	Cmpd 102930, +MS2(970.9732), 37.0eV, 83.5min, 1/K0=1.048 #42418
	Cmpd 107080, +MS2(970.9729), 42.0eV, 84.847-84.851min, 1/K0=1.05
	Cmpd 83998, +MS2(737.7031), 31.9eV, 76.391-76.393min, 1/K0=0.833
	Cmpd 84095, +MS2(737.7037), 31.9eV, 76.4min, 1/K0=0.834 #38688
	Cmpd 84140, +MS2(1106.0558), 42.0eV, 76.4min, 1/K0=1.165 #38699
	Cmpd 86572, +MS2(737.7069), 31.9eV, 77.384-77.388min, 1/K0=0.836
0.00000000000000002000.0	Cmpd 84111, +MS2(737.7059), 37.0eV, 76.435-76.437min, 1/K0=0.917
	Cmpd 94812, +MS2(767.0632), 37.0eV, 80.6min, 1/K0=0.867 #40911
	Cmpd 84950, +MS2(775.3980), 37.0eV, 76.7min, 1/K0=0.923 #38855
	Cmpd 85096, +MS2(775.4013), 37.0eV, 76.8min, 1/K0=0.919 #38886
	Cmpd 86363, +MS2(775.4015), 37.0eV, 77.3min, 1/K0=0.927 #39150
	Cmpd 85318, +MS2(775.4026), 37.0eV, 76.9min, 1/K0=0.919 #38930
	Cmpd 87448, +MS2(775.4035), 37.0eV, 77.728-77.730min, 1/K0=0.916
	Cmpd 3510, +MS2(547.7613), 31.9eV, 38.679-38.687min, 1/K0=0.805 #16
	Cmpd 3502, +MS2(597.2945), 31.9eV, 38.672-38.678min, 1/K0=0.847 #16
	Cmpd 42774, +MS2(631.3119), 31.9eV, 60.892-60.894min, 1/K0=0.846
	Cmpd 3479, +MS2(653.8341), 37.0eV, 38.642-38.648min, 1/K0=0.882 #15
	Cmpd 3519, +MS2(653.8348), 37.0eV, 38.7min, 1/K0=0.883 #18712
	Cmpd 3940, +MS2(653.8375), 37.0eV, 39.106-39.110min, 1/K0=0.883 #15
0.000000000020.0	Cmpd 630, +MS2(661.8292), 37.0eV, 33.93-33.95min, 1/K0=0.901 #16
0.000000000020.0	Cmpd 700, +MS2(661.8309), 37.0eV, 34.34-34.36min, 1/K0=0.897 #16
0.000000000020.0	Cmpd 3507, +MS2(661.8326), 37.0eV, 38.676-38.685min, 1/K0=0.900 #15
0.000000000020.0	Cmpd 551, +MS2(661.8328), 37.0eV, 33.47-33.48min, 1/K0=0.898 #15
0.000000000020.0	Cmpd 418, +MS2(661.8328), 37.0eV, 32.67-32.68min, 1/K0=0.899 #15
0.000000000020.0	Cmpd 500, +MS2(661.8338), 37.0eV, 33.08-33.09min, 1/K0=0.901 #15
	Cmpd 63919, +MS2(703.8469), 37.0eV, 69.2min, 1/K0=0.888 #34862
	Cmpd 93126, +MS2(740.8867), 37.0eV, 79.964-79.966min, 1/K0=0.933
	Cmpd 81769, +MS2(752.8926), 37.0eV, 75.6min, 1/K0=0.938 #38226
	Cmpd 44919, +MS2(771.3599), 37.0eV, 61.692-61.696min, 1/K0=0.925
	Cmpd 50704, +MS2(783.4116), 37.0eV, 64.052-64.055min, 1/K0=1.024
	Cmpd 74733, +MS2(823.4200), 37.0eV, 73.037-73.041min, 1/K0=1.039
	Cmpd 74929, +MS2(823.4207), 37.0eV, 73.1min, 1/K0=1.040 #36940
	Cmpd 102112, +MS2(865.4097), 37.0eV, 83.235-83.237min, 1/K0=1.03
	Cmpd 102357, +MS2(865.4110), 37.0eV, 83.3min, 1/K0=1.034 #42318
	Cmpd 50671, +MS2(875.4788), 42.0eV, 64.037-64.042min, 1/K0=1.091
	Cmpd 63736, +MS2(632.3177), 31.9eV, 69.10-69.11min, 1/K0=0.748 #16

Cmpd 63744, +MS2(632.3201), 31.9eV, 69.100-69.102min, 1/K0=0.802  
Cmpd 63774, +MS2(947.9780), 42.0eV, 69.1min, 1/K0=1.059 #34838  
Cmpd 63644, +MS2(947.9808), 42.0eV, 69.058-69.062min, 1/K0=1.058  
Cmpd 50652, +MS2(650.6846), 37.0eV, 64.0min, 1/K0=0.857 #32154  
Cmpd 50606, +MS2(975.5324), 42.0eV, 64.012-64.017min, 1/K0=1.168  
Cmpd 51655, +MS2(650.6866), 31.9eV, 64.4min, 1/K0=0.852 #32375  
Cmpd 29639, +MS2(713.6778), 37.0eV, 55.187-55.196min, 1/K0=0.889  
Cmpd 29764, +MS2(713.6807), 37.0eV, 55.253-55.255min, 1/K0=0.864  
Cmpd 101586, +MS2(621.3248), 37.0eV, 83.0min, 1/K0=0.875 #42164  
Cmpd 112337, +MS2(654.8530), 37.0eV, 86.2min, 1/K0=0.874 #43793  
Cmpd 56565, +MS2(663.3727), 37.0eV, 66.4min, 1/K0=0.886 #33397  
Cmpd 56787, +MS2(663.3734), 37.0eV, 66.478-66.479min, 1/K0=0.876  
Cmpd 101483, +MS2(670.8608), 37.0eV, 83.0min, 1/K0=0.903 #42144  
Cmpd 121523, +MS2(678.4086), 37.0eV, 88.5min, 1/K0=0.916 #45002  
Cmpd 121470, +MS2(678.4092), 37.0eV, 88.5min, 1/K0=0.912 #44994  
Cmpd 124317, +MS2(763.4610), 37.0eV, 89.39-89.40min, 1/K0=1.016 #45419  
Cmpd 124130, +MS2(763.4623), 37.0eV, 89.3min, 1/K0=1.017 #45419  
Cmpd 122896, +MS2(763.4640), 37.0eV, 88.9min, 1/K0=1.023 #45200  
Cmpd 122908, +MS2(763.4624), 37.0eV, 88.9min, 1/K0=0.982 #45201  
Cmpd 121446, +MS2(763.4652), 37.0eV, 88.5min, 1/K0=1.026 #44992  
Cmpd 121461, +MS2(763.4655), 37.0eV, 88.5min, 1/K0=0.986 #44993  
Cmpd 67489, +MS2(815.9444), 37.0eV, 70.4min, 1/K0=1.006 #35532  
Cmpd 101584, +MS2(863.4549), 37.0eV, 83.0min, 1/K0=1.017 #42164  
Cmpd 101232, +MS2(646.0107), 31.9eV, 82.9min, 1/K0=0.793 #42100  
Cmpd 101218, +MS2(646.0121), 31.9eV, 82.9min, 1/K0=0.837 #42099  
Cmpd 101461, +MS2(968.5213), 42.0eV, 83.0min, 1/K0=1.079 #42142  
Cmpd 101713, +MS2(968.5209), 42.0eV, 83.1min, 1/K0=1.066 #42186  
Cmpd 101203, +MS2(968.5208), 42.0eV, 82.9min, 1/K0=1.080 #42098  
Cmpd 101394, +MS2(700.3669), 37.0eV, 82.965-82.967min, 1/K0=0.87  
Cmpd 102187, +MS2(738.0615), 37.0eV, 83.3min, 1/K0=0.856 #42285  
Cmpd 102314, +MS2(738.0621), 31.9eV, 83.3min, 1/K0=0.853 #42309  
Cmpd 103187, +MS2(878.4752), 37.0eV, 83.6min, 1/K0=1.017 #42472  
Cmpd 103132, +MS2(970.5231), 37.0eV, 83.6min, 1/K0=0.956 #42461  
Cmpd 103144, +MS2(970.5239), 37.0eV, 83.6min, 1/K0=0.994 #42463  
Cmpd 53859, +MS2(519.7863), 31.9eV, 65.314-65.317min, 1/K0=0.781  
Cmpd 53951, +MS2(569.3216), 37.0eV, 65.3min, 1/K0=0.858 #32848  
Cmpd 53713, +MS2(625.8636), 37.0eV, 65.256-65.258min, 1/K0=0.924  
Cmpd 53835, +MS2(625.8641), 37.0eV, 65.3min, 1/K0=0.923 #32825  
Cmpd 54157, +MS2(625.8631), 37.0eV, 65.4min, 1/K0=0.906 #32884  
Cmpd 10966, +MS2(648.8195), 37.0eV, 44.6min, 1/K0=0.889 #21881  
Cmpd 10856, +MS2(648.8205), 37.0eV, 44.555-44.557min, 1/K0=0.880  
Cmpd 53940, +MS2(691.3840), 37.0eV, 65.3min, 1/K0=0.986 #32847  
Cmpd 78207, +MS2(733.3803), 37.0eV, 74.282-74.283min, 1/K0=0.941  
Cmpd 75811, +MS2(733.3800), 37.0eV, 73.4min, 1/K0=0.934 #37116  
Cmpd 77091, +MS2(733.3826), 37.0eV, 73.9min, 1/K0=0.942 #37336  
Cmpd 53661, +MS2(740.9175), 37.0eV, 65.227-65.231min, 1/K0=1.026  
Cmpd 54934, +MS2(740.9178), 37.0eV, 65.7min, 1/K0=1.025 #33035  
Cmpd 53778, +MS2(740.9200), 37.0eV, 65.3min, 1/K0=1.027 #32814

0.0200000000000000.0	Cmpd 54086, +MS2(748.9143), 37.0eV, 65.39-65.41min, 1/K0=1.027 #1
0.0200000000000000.0	Cmpd 41932, +MS2(748.9156), 37.0eV, 60.535-60.537min, 1/K0=1.019
	Cmpd 100313, +MS2(825.8666), 37.0eV, 82.561-82.564min, 1/K0=0.96
	Cmpd 112106, +MS2(907.9400), 42.0eV, 86.1min, 1/K0=1.101 #43761
	Cmpd 86319, +MS2(693.9985), 31.9eV, 77.3min, 1/K0=0.837 #39140
	Cmpd 86330, +MS2(693.9996), 31.9eV, 77.291-77.299min, 1/K0=0.817
	Cmpd 86184, +MS2(693.9990), 31.9eV, 77.229-77.231min, 1/K0=0.836
	Cmpd 73468, +MS2(765.0367), 37.0eV, 72.578-72.580min, 1/K0=0.874
	Cmpd 109058, +MS2(1000.8460), 37.0eV, 85.342-85.344min, 1/K0=1.0
	Cmpd 78697, +MS2(584.8184), 31.9eV, 74.479-74.481min, 1/K0=0.817
	Cmpd 537, +MS2(580.6181), 31.9eV, 33.30-33.31min, 1/K0=0.803 #158
	Cmpd 50011, +MS2(948.9636), 37.0eV, 63.8min, 1/K0=1.053 #32022
	Cmpd 51273, +MS2(948.9654), 37.0eV, 64.3min, 1/K0=1.051 #32286
	Cmpd 50149, +MS2(948.9678), 37.0eV, 63.8min, 1/K0=1.052 #32055
	Cmpd 53416, +MS2(948.9676), 37.0eV, 65.115-65.121min, 1/K0=1.049
0.2000000000000000.0	Cmpd 36208, +MS2(956.9596), 37.0eV, 58.1min, 1/K0=1.054 #29041
0.2000000000000000.0	Cmpd 35933, +MS2(956.9599), 42.0eV, 58.034-58.038min, 1/K0=1.055
0.2000000000000000.0	Cmpd 50315, +MS2(956.9637), 37.0eV, 63.909-63.911min, 1/K0=1.054
0.2000000000000000.0	Cmpd 37263, +MS2(956.9632), 42.0eV, 58.557-58.563min, 1/K0=1.056
0.2000000000000000.0	Cmpd 35880, +MS2(956.9597), 37.0eV, 58.010-58.012min, 1/K0=1.051
0.2000000000000000.0	Cmpd 37660, +MS2(956.9655), 37.0eV, 58.729-58.737min, 1/K0=1.049
	Cmpd 72274, +MS2(1045.0181), 42.0eV, 72.1min, 1/K0=1.091 #36433
	Cmpd 70585, +MS2(1045.0183), 42.0eV, 71.483-71.485min, 1/K0=1.10
	Cmpd 71210, +MS2(1045.0200), 42.0eV, 71.7min, 1/K0=1.090 #36213
	Cmpd 75942, +MS2(1045.0165), 42.0eV, 73.491-73.495min, 1/K0=1.08
	Cmpd 70429, +MS2(1045.0219), 42.0eV, 71.420-71.428min, 1/K0=1.05
	Cmpd 70383, +MS2(1045.0191), 42.0eV, 71.4min, 1/K0=1.058 #36043
	Cmpd 70819, +MS2(1045.0238), 42.0eV, 71.6min, 1/K0=1.067 #36136
	Cmpd 73430, +MS2(1045.0219), 42.0eV, 72.565-72.567min, 1/K0=1.08
	Cmpd 70562, +MS2(1045.0220), 42.0eV, 71.5min, 1/K0=1.061 #36081
	Cmpd 31113, +MS2(575.3135), 31.9eV, 55.9min, 1/K0=0.821 #27864
	Cmpd 31040, +MS2(575.3153), 31.9eV, 55.9min, 1/K0=0.829 #27842
	Cmpd 4287, +MS2(639.3157), 37.0eV, 39.4min, 1/K0=0.859 #19108
	Cmpd 81977, +MS2(716.3684), 37.0eV, 75.6min, 1/K0=0.916 #38263
	Cmpd 78024, +MS2(716.3692), 37.0eV, 74.2min, 1/K0=0.911 #37522
	Cmpd 78040, +MS2(716.3695), 37.0eV, 74.2min, 1/K0=0.896 #37524
	Cmpd 80393, +MS2(716.3696), 37.0eV, 75.1min, 1/K0=0.915 #37963
	Cmpd 83043, +MS2(716.3687), 37.0eV, 76.0min, 1/K0=0.911 #38483
	Cmpd 79120, +MS2(716.3703), 37.0eV, 74.6min, 1/K0=0.915 #37742
	Cmpd 77753, +MS2(716.3708), 37.0eV, 74.1min, 1/K0=0.907 #37467
	Cmpd 78315, +MS2(716.3714), 37.0eV, 74.3min, 1/K0=0.934 #37578
	Cmpd 60169, +MS2(751.3726), 37.0eV, 67.701-67.707min, 1/K0=0.932
	Cmpd 60461, +MS2(751.3726), 37.0eV, 67.811-67.816min, 1/K0=0.919
	Cmpd 60289, +MS2(751.3727), 37.0eV, 67.74-67.76min, 1/K0=0.921 #1
	Cmpd 60626, +MS2(751.3733), 37.0eV, 67.872-67.873min, 1/K0=0.916
	Cmpd 117295, +MS2(776.4083), 37.0eV, 87.4min, 1/K0=0.955 #44439
	Cmpd 117326, +MS2(776.4096), 37.0eV, 87.4min, 1/K0=0.953 #44442
	Cmpd 102100, +MS2(726.6908), 31.9eV, 83.227-83.229min, 1/K0=0.83



Cmpd 101995, +MS2(726.7051), 31.9eV, 83.185-83.187min, 1/K0=0.81  
Cmpd 87585, +MS2(779.3966), 37.0eV, 77.8min, 1/K0=0.864 #39403  
Cmpd 92598, +MS2(821.4166), 37.0eV, 79.761-79.763min, 1/K0=0.959  
Cmpd 92650, +MS2(821.4170), 37.0eV, 79.8min, 1/K0=0.960 #40451  
Cmpd 92624, +MS2(897.4541), 37.0eV, 79.8min, 1/K0=1.026 #40448  
Cmpd 92481, +MS2(897.4557), 37.0eV, 79.7min, 1/K0=1.024 #40416  
Cmpd 39041, +MS2(613.8463), 31.9eV, 59.337-59.339min, 1/K0=0.843  
Cmpd 39543, +MS2(613.8455), 37.0eV, 59.566-59.568min, 1/K0=0.864  
Cmpd 39260, +MS2(613.8455), 31.9eV, 59.4min, 1/K0=0.846 #29723  
Cmpd 20818, +MS2(772.8808), 37.0eV, 50.586-50.591min, 1/K0=0.956  
Cmpd 11785, +MS2(533.9392), 31.9eV, 45.153-45.155min, 1/K0=0.757  
Cmpd 11781, +MS2(533.9397), 31.9eV, 45.2min, 1/K0=0.743 #22155  
Cmpd 11811, +MS2(567.6200), 31.9eV, 45.2min, 1/K0=0.779 #22167  
Cmpd 11714, +MS2(567.6209), 31.9eV, 45.1min, 1/K0=0.762 #22133  
Cmpd 35755, +MS2(625.9696), 31.9eV, 58.0min, 1/K0=0.800 #28942  
Cmpd 46996, +MS2(644.6512), 31.9eV, 62.588-62.592min, 1/K0=0.791  
Cmpd 35412, +MS2(696.6859), 37.0eV, 57.8min, 1/K0=0.867 #28865  
Cmpd 35651, +MS2(696.6866), 37.0eV, 57.9min, 1/K0=0.868 #28920  
Cmpd 36687, +MS2(696.6874), 37.0eV, 58.3min, 1/K0=0.865 #29140  
Cmpd 109800, +MS2(1056.5532), 47.0eV, 85.5min, 1/K0=1.256 #43465  
Cmpd 63970, +MS2(722.6872), 37.0eV, 69.183-69.185min, 1/K0=0.858  
Cmpd 72830, +MS2(1091.0592), 42.0eV, 72.4min, 1/K0=1.092 #36543  
Cmpd 66528, +MS2(810.0651), 37.0eV, 70.100-70.105min, 1/K0=0.910  
Cmpd 67334, +MS2(810.0610), 37.0eV, 70.37-70.38min, 1/K0=0.925 #43465  
Cmpd 65308, +MS2(810.0606), 37.0eV, 69.7min, 1/K0=0.909 #35136  
Cmpd 64144, +MS2(810.0640), 37.0eV, 69.3min, 1/K0=0.914 #34915  
Cmpd 63708, +MS2(810.0644), 37.0eV, 69.088-69.090min, 1/K0=0.919  
Cmpd 63844, +MS2(810.0647), 37.0eV, 69.1min, 1/K0=0.919 #34850  
Cmpd 65682, +MS2(692.3765), 37.0eV, 69.8min, 1/K0=0.891 #35202  
Cmpd 86718, +MS2(760.3630), 37.0eV, 77.439-77.443min, 1/K0=0.940  
Cmpd 116438, +MS2(761.4364), 37.0eV, 87.2min, 1/K0=1.049 #44324  
Cmpd 116769, +MS2(858.9252), 37.0eV, 87.3min, 1/K0=1.023 #44366  
Cmpd 116236, +MS2(891.5122), 42.0eV, 87.2min, 1/K0=1.148 #44299  
Cmpd 51845, +MS2(611.3090), 31.9eV, 64.5min, 1/K0=0.767 #32418  
Cmpd 116348, +MS2(941.0479), 42.0eV, 87.2min, 1/K0=1.185 #44313  
Cmpd 109355, +MS2(957.9820), 42.0eV, 85.4min, 1/K0=1.144 #43408  
Cmpd 109367, +MS2(993.5018), 42.0eV, 85.4min, 1/K0=1.174 #43409  
Cmpd 105561, +MS2(993.9975), 42.0eV, 84.4min, 1/K0=1.087 #42891  
Cmpd 121263, +MS2(1106.1212), 42.0eV, 88.451-88.453min, 1/K0=1.2  
Cmpd 121329, +MS2(1106.1220), 42.0eV, 88.5min, 1/K0=1.248 #44980  
Cmpd 121349, +MS2(737.7511), 37.0eV, 88.5min, 1/K0=0.934 #44981  
Cmpd 109565, +MS2(1115.0447), 42.0eV, 85.470-85.474min, 1/K0=1.2  
Cmpd 116150, +MS2(1156.1318), 47.0eV, 87.1min, 1/K0=1.293 #44287  
Cmpd 115984, +MS2(1156.1312), 47.0eV, 87.1min, 1/K0=1.292 #44265  
Cmpd 116239, +MS2(771.0911), 37.0eV, 87.2min, 1/K0=0.980 #44299  
Cmpd 116225, +MS2(771.0919), 37.0eV, 87.2min, 1/K0=1.007 #44298  
Cmpd 116094, +MS2(771.0920), 37.0eV, 87.1min, 1/K0=1.009 #44278  
Cmpd 116104, +MS2(771.0885), 37.0eV, 87.1min, 1/K0=0.978 #44279

Cmpd 109366, +MS2(1232.0940), 47.0eV, 85.420-85.422min, 1/K0=1.2  
Cmpd 109338, +MS2(1232.0946), 47.0eV, 85.4min, 1/K0=1.279 #43407  
Cmpd 109306, +MS2(1232.0969), 42.0eV, 85.406-85.408min, 1/K0=1.2  
Cmpd 123232, +MS2(1129.2850), 42.0eV, 89.004-89.008min, 1/K0=1.2  
Cmpd 10485, +MS2(549.8145), 31.9eV, 44.285-44.288min, 1/K0=0.817  
Cmpd 16440, +MS2(590.8199), 31.9eV, 48.1min, 1/K0=0.836 #23717  
Cmpd 81179, +MS2(614.7983), 37.0eV, 75.340-75.342min, 1/K0=0.861  
Cmpd 54305, +MS2(666.3503), 37.0eV, 65.5min, 1/K0=0.902 #32913  
Cmpd 54582, +MS2(666.3537), 37.0eV, 65.571-65.573min, 1/K0=0.886  
Cmpd 81090, +MS2(671.3403), 37.0eV, 75.309-75.313min, 1/K0=0.897  
Cmpd 81520, +MS2(671.3406), 37.0eV, 75.463-75.465min, 1/K0=0.873  
Cmpd 49256, +MS2(718.8719), 37.0eV, 63.5min, 1/K0=0.924 #31859  
Cmpd 50277, +MS2(718.8758), 37.0eV, 63.9min, 1/K0=0.918 #32081  
Cmpd 81132, +MS2(720.8778), 37.0eV, 75.3min, 1/K0=0.947 #38106  
Cmpd 82284, +MS2(720.8809), 37.0eV, 75.7min, 1/K0=0.947 #38325  
Cmpd 86267, +MS2(743.3560), 37.0eV, 77.3min, 1/K0=0.944 #39129  
Cmpd 84901, +MS2(743.3562), 37.0eV, 76.7min, 1/K0=0.946 #38844  
Cmpd 85215, +MS2(743.3593), 37.0eV, 76.8min, 1/K0=0.945 #38909  
Cmpd 81261, +MS2(770.4111), 37.0eV, 75.368-75.376min, 1/K0=1.003  
Cmpd 82867, +MS2(780.3937), 37.0eV, 75.976-75.977min, 1/K0=0.961  
Cmpd 83068, +MS2(780.3970), 37.0eV, 76.1min, 1/K0=0.962 #38490  
Cmpd 72256, +MS2(532.9519), 31.9eV, 72.138-72.142min, 1/K0=0.759  
Cmpd 81245, +MS2(819.9465), 37.0eV, 75.4min, 1/K0=1.031 #38127  
Cmpd 81080, +MS2(819.9474), 37.0eV, 75.3min, 1/K0=1.032 #38097  
Cmpd 82398, +MS2(819.9482), 37.0eV, 75.8min, 1/K0=1.030 #38347  
Cmpd 83512, +MS2(819.9498), 37.0eV, 76.212-76.216min, 1/K0=1.028  
Cmpd 72085, +MS2(632.0195), 31.9eV, 72.1min, 1/K0=0.824 #36389  
Cmpd 116616, +MS2(713.9975), 31.9eV, 87.243-87.245min, 1/K0=0.83  
Cmpd 84756, +MS2(721.3449), 31.9eV, 76.668-76.671min, 1/K0=0.824  
Cmpd 85002, +MS2(721.3452), 31.9eV, 76.8min, 1/K0=0.824 #38865  
Cmpd 42527, +MS2(764.0593), 37.0eV, 60.8min, 1/K0=0.860 #30440  
Cmpd 42266, +MS2(764.0617), 37.0eV, 60.669-60.673min, 1/K0=0.857  
Cmpd 12986, +MS2(683.8167), 37.0eV, 45.96-45.97min, 1/K0=0.862 #2  
Cmpd 13678, +MS2(740.3565), 37.0eV, 46.37-46.39min, 1/K0=0.918 #2  
Cmpd 12978, +MS2(740.3572), 37.0eV, 45.958-45.960min, 1/K0=0.915  
Cmpd 13021, +MS2(825.4134), 37.0eV, 45.984-45.994min, 1/K0=0.983  
Cmpd 23588, +MS2(852.3858), 37.0eV, 52.065-52.069min, 1/K0=1.020  
Cmpd 23630, +MS2(852.3937), 37.0eV, 52.084-52.090min, 1/K0=1.017  
Cmpd 23646, +MS2(852.3943), 37.0eV, 52.092-52.097min, 1/K0=1.018  
Cmpd 41462, +MS2(893.4472), 42.0eV, 60.351-60.359min, 1/K0=1.072  
Cmpd 13552, +MS2(955.4752), 37.0eV, 46.316-46.321min, 1/K0=1.051  
Cmpd 13769, +MS2(955.4737), 37.0eV, 46.404-46.408min, 1/K0=1.038  
Cmpd 13554, +MS2(637.3203), 31.9eV, 46.316-46.317min, 1/K0=0.757  
Cmpd 30455, +MS2(648.0004), 31.9eV, 55.585-55.591min, 1/K0=0.822  
Cmpd 56156, +MS2(674.0502), 31.9eV, 66.216-66.220min, 1/K0=0.844  
Cmpd 45204, +MS2(696.6639), 31.9eV, 61.806-61.815min, 1/K0=0.814  
Cmpd 83184, +MS2(1086.0661), 47.0eV, 76.095-76.101min, 1/K0=1.25  
Cmpd 83126, +MS2(1086.0667), 42.0eV, 76.1min, 1/K0=1.135 #38501

Cmpd 83481, +MS2(1086.0685), 47.0eV, 76.2min, 1/K0=1.256 #38567  
Cmpd 83923, +MS2(1086.0673), 42.0eV, 76.367-76.368min, 1/K0=1.14  
Cmpd 83046, +MS2(1086.0692), 42.0eV, 76.044-76.049min, 1/K0=1.13  
Cmpd 83431, +MS2(1086.0691), 42.0eV, 76.2min, 1/K0=1.132 #38556  
Cmpd 15110, +MS2(966.7545), 37.0eV, 47.266-47.270min, 1/K0=0.935  
Cmpd 15052, +MS2(966.7517), 37.0eV, 47.234-47.240min, 1/K0=0.937  
Cmpd 24558, +MS2(666.3412), 37.0eV, 52.545-52.547min, 1/K0=0.881  
Cmpd 24601, +MS2(666.3415), 37.0eV, 52.562-52.566min, 1/K0=0.880  
Cmpd 25486, +MS2(832.4130), 37.0eV, 53.008-53.010min, 1/K0=1.018  
Cmpd 24669, +MS2(832.4151), 37.0eV, 52.6min, 1/K0=1.023 #26105  
Cmpd 24437, +MS2(832.4157), 37.0eV, 52.486-52.490min, 1/K0=1.022  
Cmpd 24431, +MS2(832.4149), 37.0eV, 52.5min, 1/K0=1.022 #26048  
Cmpd 60604, +MS2(872.3973), 42.0eV, 67.9min, 1/K0=1.061 #34178  
Cmpd 60221, +MS2(872.3958), 42.0eV, 67.722-67.727min, 1/K0=1.062  
Cmpd 60233, +MS2(658.6288), 31.9eV, 67.724-67.726min, 1/K0=0.840  
Cmpd 60450, +MS2(658.6293), 31.9eV, 67.8min, 1/K0=0.841 #34146  
Cmpd 60384, +MS2(987.4437), 42.0eV, 67.8min, 1/K0=1.063 #34134  
Cmpd 60390, +MS2(987.4422), 37.0eV, 67.8min, 1/K0=1.050 #34135  
Cmpd 78897, +MS2(841.7527), 37.0eV, 74.554-74.556min, 1/K0=0.938  
Cmpd 91772, +MS2(881.7994), 37.0eV, 79.4min, 1/K0=0.916 #40272  
Cmpd 92009, +MS2(881.8001), 37.0eV, 79.525-79.527min, 1/K0=0.969  
Cmpd 91626, +MS2(881.8003), 37.0eV, 79.374-79.383min, 1/K0=0.985  
Cmpd 91851, +MS2(881.8016), 37.0eV, 79.5min, 1/K0=0.983 #40285  
Cmpd 91681, +MS2(881.8002), 37.0eV, 79.395-79.397min, 1/K0=0.981  
Cmpd 45015, +MS2(539.7777), 31.9eV, 61.728-61.738min, 1/K0=0.803  
Cmpd 44851, +MS2(596.3201), 31.9eV, 61.664-61.671min, 1/K0=0.855  
Cmpd 44893, +MS2(596.3205), 31.9eV, 61.7min, 1/K0=0.847 #30912  
Cmpd 44942, +MS2(596.3210), 31.9eV, 61.7min, 1/K0=0.844 #30922  
Cmpd 45878, +MS2(596.3230), 31.9eV, 62.1min, 1/K0=0.841 #31142  
Cmpd 26278, +MS2(617.8404), 31.9eV, 53.407-53.409min, 1/K0=0.829  
Cmpd 117236, +MS2(689.3970), 37.0eV, 87.4min, 1/K0=0.908 #44430  
Cmpd 113439, +MS2(700.8524), 37.0eV, 86.437-86.441min, 1/K0=0.90  
Cmpd 119260, +MS2(830.9346), 37.0eV, 88.0min, 1/K0=0.998 #44713  
Cmpd 26229, +MS2(895.4758), 37.0eV, 53.388-53.395min, 1/K0=1.009  
Cmpd 73845, +MS2(655.3562), 31.9eV, 72.7min, 1/K0=0.820 #36731  
Cmpd 74022, +MS2(717.0492), 37.0eV, 72.8min, 1/K0=0.858 #36764  
Cmpd 83747, +MS2(744.0562), 37.0eV, 76.3min, 1/K0=0.905 #38622  
Cmpd 74098, +MS2(754.7481), 37.0eV, 72.800-72.802min, 1/K0=0.889  
Cmpd 73613, +MS2(813.3949), 37.0eV, 72.6min, 1/K0=0.856 #36687  
Cmpd 73386, +MS2(813.3958), 31.9eV, 72.546-72.548min, 1/K0=0.855  
Cmpd 73810, +MS2(813.3969), 37.0eV, 72.7min, 1/K0=0.867 #36726  
Cmpd 73912, +MS2(840.4459), 37.0eV, 72.7min, 1/K0=0.866 #36743  
Cmpd 73971, +MS2(840.4464), 31.9eV, 72.8min, 1/K0=0.835 #36753  
Cmpd 73876, +MS2(840.4465), 37.0eV, 72.7min, 1/K0=0.883 #36737  
Cmpd 74082, +MS2(840.4472), 37.0eV, 72.8min, 1/K0=0.883 #36775  
Cmpd 19518, +MS2(514.7821), 31.9eV, 49.885-49.887min, 1/K0=0.787  
Cmpd 30585, +MS2(587.2915), 31.9eV, 55.649-55.653min, 1/K0=0.830  
Cmpd 30687, +MS2(587.2933), 31.9eV, 55.7min, 1/K0=0.829 #27754

	Cmpd 23967, +MS2(590.2895), 31.9eV, 52.2min, 1/K0=0.849 #25918
	Cmpd 23849, +MS2(590.2897), 31.9eV, 52.186-52.190min, 1/K0=0.842
	Cmpd 23988, +MS2(590.2905), 31.9eV, 52.250-52.252min, 1/K0=0.833
0.0020000000.0	Cmpd 12660, +MS2(595.2935), 31.9eV, 45.7min, 1/K0=0.845 #22473
0.0020000000.0	Cmpd 12679, +MS2(595.2929), 31.9eV, 45.8min, 1/K0=0.839 #22475
	Cmpd 24071, +MS2(646.8313), 37.0eV, 52.3min, 1/K0=0.886 #25947
	Cmpd 24127, +MS2(646.8329), 37.0eV, 52.320-52.324min, 1/K0=0.886
	Cmpd 30656, +MS2(651.3232), 37.0eV, 55.7min, 1/K0=0.894 #27745
	Cmpd 30811, +MS2(651.3238), 37.0eV, 55.8min, 1/K0=0.893 #27787
	Cmpd 31764, +MS2(651.3277), 37.0eV, 56.2min, 1/K0=0.883 #28042
0.000020000000.0	Cmpd 12573, +MS2(659.3170), 37.0eV, 45.7min, 1/K0=0.905 #22451
0.000020000000.0	Cmpd 12846, +MS2(659.3177), 37.0eV, 45.870-45.873min, 1/K0=0.885
0.000020000000.0	Cmpd 12854, +MS2(659.3194), 37.0eV, 45.9min, 1/K0=0.886 #22540
0.000020000000.0	Cmpd 12713, +MS2(659.3197), 37.0eV, 45.8min, 1/K0=0.902 #22485
	Cmpd 23847, +MS2(682.3483), 37.0eV, 52.182-52.186min, 1/K0=0.930
	Cmpd 23966, +MS2(682.3492), 37.0eV, 52.2min, 1/K0=0.930 #25918
	Cmpd 25043, +MS2(682.3520), 37.0eV, 52.8min, 1/K0=0.924 #26202
	Cmpd 24824, +MS2(682.3535), 37.0eV, 52.660-52.668min, 1/K0=0.925
	Cmpd 48810, +MS2(724.8723), 37.0eV, 63.283-63.293min, 1/K0=0.929
	Cmpd 106123, +MS2(915.9461), 37.0eV, 84.6min, 1/K0=1.030 #42979
	Cmpd 105590, +MS2(915.9472), 37.0eV, 84.428-84.430min, 1/K0=1.04
	Cmpd 105679, +MS2(915.9474), 37.0eV, 84.5min, 1/K0=1.026 #42912
	Cmpd 105562, +MS2(915.9486), 37.0eV, 84.4min, 1/K0=1.025 #42891
	Cmpd 66478, +MS2(777.0433), 31.9eV, 70.1min, 1/K0=0.854 #35345
	Cmpd 66694, +MS2(838.4161), 37.0eV, 70.2min, 1/K0=0.873 #35388
	Cmpd 66275, +MS2(838.4157), 37.0eV, 69.988-69.992min, 1/K0=0.872
	Cmpd 16480, +MS2(531.7848), 31.9eV, 48.119-48.124min, 1/K0=0.791
	Cmpd 16566, +MS2(531.7850), 31.9eV, 48.2min, 1/K0=0.789 #23761
	Cmpd 5623, +MS2(597.8396), 31.9eV, 40.670-40.673min, 1/K0=0.825 #19482
	Cmpd 5483, +MS2(597.8416), 31.9eV, 40.546-40.548min, 1/K0=0.826 #19482
	Cmpd 5027, +MS2(597.8435), 31.9eV, 40.1min, 1/K0=0.825 #19482
	Cmpd 4975, +MS2(597.8457), 31.9eV, 40.083-40.085min, 1/K0=0.825 #19482
	Cmpd 4961, +MS2(691.8809), 37.0eV, 40.072-40.076min, 1/K0=0.887 #19482
	Cmpd 4983, +MS2(691.8847), 37.0eV, 40.09-40.10min, 1/K0=0.871 #19482
	Cmpd 5095, +MS2(691.8840), 37.0eV, 40.2min, 1/K0=0.888 #19515
	Cmpd 5005, +MS2(691.8841), 37.0eV, 40.1min, 1/K0=0.885 #19471
	Cmpd 119531, +MS2(707.4297), 37.0eV, 88.0min, 1/K0=0.956 #44752
	Cmpd 120992, +MS2(709.9114), 37.0eV, 88.4min, 1/K0=0.930 #44937
	Cmpd 119524, +MS2(757.9587), 37.0eV, 88.0min, 1/K0=0.994 #44751
	Cmpd 58287, +MS2(851.9312), 37.0eV, 67.0min, 1/K0=0.999 #33727
	Cmpd 59152, +MS2(851.9320), 37.0eV, 67.3min, 1/K0=1.024 #33881
	Cmpd 59450, +MS2(851.9335), 37.0eV, 67.4min, 1/K0=1.005 #33947
	Cmpd 57115, +MS2(851.9341), 37.0eV, 66.6min, 1/K0=1.011 #33514
	Cmpd 63092, +MS2(664.3541), 37.0eV, 68.833-68.837min, 1/K0=0.861
	Cmpd 58204, +MS2(687.6985), 37.0eV, 67.0min, 1/K0=0.881 #33706
	Cmpd 58122, +MS2(687.7005), 31.9eV, 66.9min, 1/K0=0.830 #33684
	Cmpd 57965, +MS2(687.7002), 31.9eV, 66.870-66.872min, 1/K0=0.826
	Cmpd 58445, +MS2(687.7011), 31.9eV, 67.1min, 1/K0=0.851 #33752

	Cmpd 58373, +MS2(687.7016), 31.9eV, 67.0min, 1/K0=0.843 #33741
	Cmpd 119349, +MS2(695.4079), 37.0eV, 88.0min, 1/K0=0.929 #44728
	Cmpd 119441, +MS2(695.4083), 37.0eV, 88.004-88.014min, 1/K0=0.88
	Cmpd 119419, +MS2(695.4107), 37.0eV, 88.0min, 1/K0=0.933 #44738
	Cmpd 119456, +MS2(1042.6199), 42.0eV, 88.0min, 1/K0=1.137 #44742
	Cmpd 121377, +MS2(903.1348), 42.0eV, 88.5min, 1/K0=1.070 #44984
	Cmpd 121307, +MS2(903.1358), 42.0eV, 88.5min, 1/K0=1.067 #44977
	Cmpd 1275, +MS2(689.3508), 37.0eV, 36.174-36.180min, 1/K0=0.904 #
	Cmpd 1279, +MS2(689.3533), 37.0eV, 36.181-36.189min, 1/K0=0.908 #
	Cmpd 84027, +MS2(740.9177), 37.0eV, 76.405-76.406min, 1/K0=1.014
	Cmpd 84220, +MS2(740.9183), 37.0eV, 76.5min, 1/K0=1.010 #38711
	Cmpd 84169, +MS2(740.9191), 37.0eV, 76.5min, 1/K0=0.986 #38702
0.000000000000200.0	Cmpd 93183, +MS2(743.3887), 37.0eV, 79.994-79.996min, 1/K0=0.902
	Cmpd 83953, +MS2(847.9657), 37.0eV, 76.374-76.378min, 1/K0=1.046
	Cmpd 84151, +MS2(847.9664), 42.0eV, 76.5min, 1/K0=1.074 #38700
	Cmpd 83948, +MS2(847.9685), 42.0eV, 76.372-76.382min, 1/K0=1.075
	Cmpd 84142, +MS2(847.9669), 37.0eV, 76.4min, 1/K0=1.050 #38699
	Cmpd 85269, +MS2(847.9679), 37.0eV, 76.870-76.872min, 1/K0=1.049
0.00000000000020000.0	Cmpd 63954, +MS2(855.9688), 37.0eV, 69.179-69.181min, 1/K0=1.041
	Cmpd 7726, +MS2(627.6217), 31.9eV, 42.40-42.42min, 1/K0=0.784 #2(
	Cmpd 7764, +MS2(627.6221), 37.0eV, 42.4min, 1/K0=0.868 #20704
	Cmpd 7687, +MS2(627.6249), 37.0eV, 42.373-42.377min, 1/K0=0.867 #
	Cmpd 121518, +MS2(1035.1007), 42.0eV, 88.512-88.515min, 1/K0=1.1
	Cmpd 64528, +MS2(726.6982), 37.0eV, 69.4min, 1/K0=0.917 #34981
	Cmpd 64647, +MS2(1089.5459), 47.0eV, 69.4min, 1/K0=1.266 #35002
	Cmpd 64668, +MS2(1089.5444), 47.0eV, 69.432-69.435min, 1/K0=1.26
	Cmpd 106435, +MS2(785.4353), 37.0eV, 84.7min, 1/K0=0.975 #43024
	Cmpd 121021, +MS2(884.8055), 37.0eV, 88.4min, 1/K0=1.050 #44940
	Cmpd 97501, +MS2(533.8666), 31.9eV, 81.560-81.566min, 1/K0=0.832
	Cmpd 14637, +MS2(565.3120), 31.9eV, 46.960-46.963min, 1/K0=0.820
	Cmpd 3312, +MS2(634.8540), 31.9eV, 38.5min, 1/K0=0.852 #18591
	Cmpd 70973, +MS2(769.3938), 37.0eV, 71.634-71.638min, 1/K0=0.956
	Cmpd 71567, +MS2(769.3963), 37.0eV, 71.860-71.864min, 1/K0=0.965
	Cmpd 115989, +MS2(777.3975), 37.0eV, 87.1min, 1/K0=0.966 #44265
0.00000000000020000.0	Cmpd 99282, +MS2(785.3956), 37.0eV, 82.2min, 1/K0=0.952 #41701
	Cmpd 89254, +MS2(804.9608), 37.0eV, 78.5min, 1/K0=0.994 #39755
	Cmpd 89323, +MS2(804.9665), 37.0eV, 78.482-78.488min, 1/K0=0.997
	Cmpd 95876, +MS2(837.9101), 37.0eV, 81.026-81.028min, 1/K0=0.983
	Cmpd 94691, +MS2(837.9107), 37.0eV, 80.6min, 1/K0=0.982 #40888
	Cmpd 94456, +MS2(837.9131), 37.0eV, 80.502-80.504min, 1/K0=0.983
	Cmpd 52344, +MS2(841.9698), 37.0eV, 64.668-64.673min, 1/K0=1.028
	Cmpd 82882, +MS2(844.3914), 37.0eV, 75.985-75.987min, 1/K0=0.969
	Cmpd 77030, +MS2(589.0084), 31.9eV, 73.839-73.845min, 1/K0=0.807
	Cmpd 77200, +MS2(589.0093), 31.9eV, 73.9min, 1/K0=0.807 #37357
	Cmpd 73603, +MS2(899.9356), 37.0eV, 72.6min, 1/K0=1.005 #36686
	Cmpd 73772, +MS2(899.9368), 37.0eV, 72.7min, 1/K0=1.004 #36719
	Cmpd 74839, +MS2(899.9362), 37.0eV, 73.077-73.079min, 1/K0=1.018
	Cmpd 73544, +MS2(899.9364), 37.0eV, 72.6min, 1/K0=1.004 #36675

0.2000000000000000.0	Cmpd 75161, +MS2(899.9370), 37.0eV, 73.194-73.195min, 1/K0=1.014
	Cmpd 59647, +MS2(907.9340), 37.0eV, 67.5min, 1/K0=1.002 #33984
	Cmpd 60511, +MS2(922.4412), 42.0eV, 67.832-67.837min, 1/K0=1.055
	Cmpd 47877, +MS2(691.0070), 37.0eV, 62.897-62.901min, 1/K0=0.863
	Cmpd 71337, +MS2(699.6923), 37.0eV, 71.774-71.776min, 1/K0=0.901
	Cmpd 56242, +MS2(728.6792), 37.0eV, 66.2min, 1/K0=0.870 #33324
	Cmpd 121901, +MS2(645.3446), 37.0eV, 88.608-88.613min, 1/K0=0.89
	Cmpd 121085, +MS2(886.5108), 42.0eV, 88.4min, 1/K0=1.105 #44948
	Cmpd 95887, +MS2(937.4685), 37.0eV, 81.0min, 1/K0=1.021 #41112
	Cmpd 95863, +MS2(937.4691), 37.0eV, 81.0min, 1/K0=1.048 #41108
	Cmpd 95556, +MS2(937.4706), 37.0eV, 80.9min, 1/K0=1.048 #41053
	Cmpd 95692, +MS2(937.4700), 42.0eV, 81.0min, 1/K0=1.059 #41075
	Cmpd 98461, +MS2(937.4704), 37.0eV, 81.9min, 1/K0=1.039 #41548
	Cmpd 97145, +MS2(937.4730), 37.0eV, 81.4min, 1/K0=1.047 #41328
	Cmpd 106950, +MS2(1050.8428), 37.0eV, 84.8min, 1/K0=0.973 #43098
	Cmpd 106962, +MS2(1050.8445), 37.0eV, 84.8min, 1/K0=0.974 #43098
	Cmpd 23273, +MS2(567.7835), 31.9eV, 51.884-51.888min, 1/K0=0.813
	Cmpd 119434, +MS2(604.8793), 37.0eV, 88.002-88.012min, 1/K0=0.88
	Cmpd 119601, +MS2(668.3311), 37.0eV, 88.047-88.049min, 1/K0=0.89
	Cmpd 119526, +MS2(668.3346), 37.0eV, 88.0min, 1/K0=0.884 #44751
0.0000000000020.0	Cmpd 116952, +MS2(676.3294), 37.0eV, 87.332-87.342min, 1/K0=0.88
	Cmpd 33841, +MS2(696.3606), 37.0eV, 57.2min, 1/K0=0.938 #28527
	Cmpd 119600, +MS2(741.8684), 37.0eV, 88.0min, 1/K0=0.949 #44762
	Cmpd 53738, +MS2(742.4277), 37.0eV, 65.3min, 1/K0=0.956 #32804
0.0000000000020.0	Cmpd 116737, +MS2(749.8639), 37.0eV, 87.3min, 1/K0=0.940 #44363
	Cmpd 25726, +MS2(752.3780), 37.0eV, 53.131-53.132min, 1/K0=1.007
	Cmpd 24927, +MS2(752.3784), 37.0eV, 52.7min, 1/K0=1.017 #26170
	Cmpd 24800, +MS2(752.3792), 37.0eV, 52.652-52.654min, 1/K0=1.015
	Cmpd 119632, +MS2(840.9400), 37.0eV, 88.1min, 1/K0=1.011 #44767
	Cmpd 101543, +MS2(693.7003), 37.0eV, 83.0min, 1/K0=0.896 #42155
	Cmpd 103088, +MS2(698.7071), 31.9eV, 83.578-83.584min, 1/K0=0.83
	Cmpd 101410, +MS2(775.7461), 37.0eV, 83.0min, 1/K0=0.950 #42131
	Cmpd 102592, +MS2(775.7450), 37.0eV, 83.4min, 1/K0=0.947 #42357
	Cmpd 108539, +MS2(1181.6463), 42.0eV, 85.2min, 1/K0=1.217 #43300
	Cmpd 108780, +MS2(1181.6451), 42.0eV, 85.3min, 1/K0=1.217 #43332
	Cmpd 118136, +MS2(861.1588), 42.0eV, 87.6min, 1/K0=1.066 #44547
	Cmpd 58246, +MS2(975.4288), 37.0eV, 67.0min, 1/K0=0.939 #33716
	Cmpd 58032, +MS2(975.4295), 37.0eV, 66.896-66.900min, 1/K0=0.939
	Cmpd 58071, +MS2(975.4276), 37.0eV, 66.9min, 1/K0=0.904 #33673
	Cmpd 59490, +MS2(975.4343), 37.0eV, 67.447-67.449min, 1/K0=0.937
	Cmpd 60243, +MS2(585.2725), 31.9eV, 67.727-67.729min, 1/K0=0.832
	Cmpd 60517, +MS2(649.3033), 37.0eV, 67.833-67.837min, 1/K0=0.882
	Cmpd 60223, +MS2(697.8285), 37.0eV, 67.7min, 1/K0=0.923 #34101
	Cmpd 5984, +MS2(711.3459), 37.0eV, 41.0min, 1/K0=0.875 #19944
	Cmpd 5890, +MS2(711.3472), 37.0eV, 40.898-40.904min, 1/K0=0.873
	Cmpd 60398, +MS2(494.5642), 31.9eV, 67.788-67.792min, 1/K0=0.744
	Cmpd 60340, +MS2(741.3450), 37.0eV, 67.8min, 1/K0=0.960 #34124
	Cmpd 60094, +MS2(741.3462), 37.0eV, 67.674-67.676min, 1/K0=0.956

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Cmpd 43932, +MS2(970.4689), 42.0eV, 61.376-61.380min, 1/K0=1.093  
Cmpd 60061, +MS2(720.6815), 31.9eV, 67.7min, 1/K0=0.855 #34068  
Cmpd 60202, +MS2(720.6798), 31.9eV, 67.714-67.716min, 1/K0=0.850  
Cmpd 60158, +MS2(720.6808), 31.9eV, 67.7min, 1/K0=0.852 #34089  
Cmpd 60346, +MS2(758.3763), 37.0eV, 67.767-67.771min, 1/K0=0.888  
Cmpd 60208, +MS2(791.3897), 37.0eV, 67.718-67.720min, 1/K0=0.947  
Cmpd 60120, +MS2(791.3989), 37.0eV, 67.7min, 1/K0=0.903 #34080  
Cmpd 59949, +MS2(791.3996), 37.0eV, 67.6min, 1/K0=0.905 #34045  
Cmpd 61256, +MS2(791.4010), 37.0eV, 68.1min, 1/K0=0.898 #34300  
Cmpd 60000, +MS2(791.3983), 37.0eV, 67.635-67.637min, 1/K0=0.904  
Cmpd 60334, +MS2(796.7280), 37.0eV, 67.763-67.765min, 1/K0=0.891  
Cmpd 102645, +MS2(791.8806), 37.0eV, 83.413-83.415min, 1/K0=0.94  
Cmpd 103052, +MS2(827.3965), 37.0eV, 83.563-83.567min, 1/K0=0.93  
Cmpd 102828, +MS2(827.3967), 37.0eV, 83.476-83.478min, 1/K0=0.96  
Cmpd 42899, +MS2(602.2851), 31.9eV, 61.0min, 1/K0=0.799 #30527  
Cmpd 105275, +MS2(933.9552), 37.0eV, 84.327-84.329min, 1/K0=1.01  
Cmpd 102757, +MS2(933.9519), 37.0eV, 83.5min, 1/K0=1.011 #42384  
Cmpd 102989, +MS2(933.9538), 37.0eV, 83.5min, 1/K0=1.037 #42430  
Cmpd 102423, +MS2(933.9549), 37.0eV, 83.3min, 1/K0=1.013 #42329  
Cmpd 104000, +MS2(933.9560), 37.0eV, 83.9min, 1/K0=1.011 #42605  
Cmpd 102635, +MS2(933.9545), 37.0eV, 83.4min, 1/K0=1.032 #42363  
Cmpd 102254, +MS2(933.9567), 37.0eV, 83.3min, 1/K0=1.015 #42298  
Cmpd 34404, +MS2(893.0746), 37.0eV, 57.33-57.34min, 1/K0=0.889 #4  
Cmpd 51290, +MS2(1022.1146), 37.0eV, 64.28-64.30min, 1/K0=0.908 #  
Cmpd 50034, +MS2(1022.1171), 37.0eV, 63.789-63.796min, 1/K0=0.91  
Cmpd 50165, +MS2(1022.1157), 37.0eV, 63.8min, 1/K0=0.909 #32057  
Cmpd 34162, +MS2(1074.1481), 37.0eV, 57.3min, 1/K0=0.936 #28579  
Cmpd 96114, +MS2(1094.8346), 37.0eV, 81.1min, 1/K0=0.966 #41154  
Cmpd 95836, +MS2(1094.8344), 37.0eV, 81.013-81.014min, 1/K0=0.96  
Cmpd 11422, +MS2(452.2524), 31.9eV, 44.940-44.942min, 1/K0=0.726  
Cmpd 9015, +MS2(593.2813), 37.0eV, 43.25-43.27min, 1/K0=0.856 #2:  
Cmpd 28653, +MS2(626.3021), 37.0eV, 54.7min, 1/K0=0.886 #27228  
Cmpd 46071, +MS2(651.8587), 37.0eV, 62.200-62.204min, 1/K0=0.901  
Cmpd 30291, +MS2(687.3822), 37.0eV, 55.513-55.515min, 1/K0=0.880  
Cmpd 30321, +MS2(687.3827), 37.0eV, 55.523-55.525min, 1/K0=0.881  
Cmpd 30446, +MS2(687.3842), 37.0eV, 55.6min, 1/K0=0.880 #27689  
Cmpd 30644, +MS2(687.3848), 37.0eV, 55.7min, 1/K0=0.878 #27743  
Cmpd 69546, +MS2(687.8721), 37.0eV, 71.1min, 1/K0=0.919 #35898  
Cmpd 77346, +MS2(715.3309), 37.0eV, 74.0min, 1/K0=0.905 #37383  
Cmpd 94489, +MS2(780.8997), 37.0eV, 80.5min, 1/K0=0.964 #40844  
Cmpd 97228, +MS2(853.3759), 37.0eV, 81.5min, 1/K0=0.959 #41341  
Cmpd 47373, +MS2(937.4303), 42.0eV, 62.711-62.713min, 1/K0=1.073  
Cmpd 47454, +MS2(937.4270), 42.0eV, 62.734-62.736min, 1/K0=1.071  
Cmpd 97217, +MS2(946.4303), 37.0eV, 81.5min, 1/K0=1.008 #41340  
Cmpd 97005, +MS2(946.4308), 37.0eV, 81.392-81.396min, 1/K0=1.008  
Cmpd 80149, +MS2(954.4282), 37.0eV, 74.967-74.969min, 1/K0=1.008  
Cmpd 52790, +MS2(728.0250), 31.9eV, 64.9min, 1/K0=0.827 #32594  
Cmpd 68811, +MS2(763.3618), 37.0eV, 70.882-70.884min, 1/K0=0.948

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	Cmpd 69142, +MS2(763.3644), 37.0eV, 71.0min, 1/K0=0.947 #35828
	Cmpd 101191, +MS2(857.4074), 37.0eV, 82.902-82.904min, 1/K0=0.87
	Cmpd 56898, +MS2(557.8014), 31.9eV, 66.5min, 1/K0=0.831 #33471
	Cmpd 33620, +MS2(624.3315), 31.9eV, 57.1min, 1/K0=0.854 #28469
	Cmpd 33790, +MS2(624.3316), 37.0eV, 57.1min, 1/K0=0.885 #28514
	Cmpd 33679, +MS2(624.3314), 37.0eV, 57.082-57.084min, 1/K0=0.890
	Cmpd 56715, +MS2(665.3459), 37.0eV, 66.5min, 1/K0=0.890 #33430
	Cmpd 17306, +MS2(669.8517), 37.0eV, 48.6min, 1/K0=0.887 #24014
	Cmpd 17535, +MS2(669.8518), 37.0eV, 48.765-48.768min, 1/K0=0.865
	Cmpd 17395, +MS2(669.8522), 37.0eV, 48.7min, 1/K0=0.902 #24036
	Cmpd 106716, +MS2(764.4411), 37.0eV, 84.8min, 1/K0=1.034 #43065
	Cmpd 106765, +MS2(764.4423), 37.0eV, 84.761-84.766min, 1/K0=1.03
	Cmpd 40011, +MS2(850.9200), 37.0eV, 59.764-59.770min, 1/K0=0.972
	Cmpd 41451, +MS2(850.9241), 37.0eV, 60.3min, 1/K0=0.970 #30208
	Cmpd 40451, +MS2(850.9240), 37.0eV, 59.9min, 1/K0=0.970 #29987
	Cmpd 40177, +MS2(850.9241), 37.0eV, 59.8min, 1/K0=0.971 #29933
	Cmpd 40713, +MS2(850.9282), 37.0eV, 60.03-60.05min, 1/K0=1.006 #
	Cmpd 106518, +MS2(1305.6692), 47.0eV, 84.697-84.702min, 1/K0=1.3
	Cmpd 106729, +MS2(870.7852), 37.0eV, 84.8min, 1/K0=1.052 #43066
	Cmpd 106538, +MS2(870.7883), 37.0eV, 84.7min, 1/K0=1.050 #43039
	Cmpd 67596, +MS2(562.3063), 31.9eV, 70.474-70.476min, 1/K0=0.805
	Cmpd 24362, +MS2(669.8209), 37.0eV, 52.4min, 1/K0=0.898 #26029
	Cmpd 24721, +MS2(669.8243), 37.0eV, 52.6min, 1/K0=0.892 #26116
	Cmpd 24237, +MS2(734.3430), 37.0eV, 52.4min, 1/K0=0.913 #25993
	Cmpd 24416, +MS2(734.3431), 37.0eV, 52.5min, 1/K0=0.903 #26041
	Cmpd 25254, +MS2(734.3436), 37.0eV, 52.889-52.892min, 1/K0=0.901
	Cmpd 24252, +MS2(734.3444), 37.0eV, 52.385-52.386min, 1/K0=0.905
	Cmpd 98599, +MS2(816.4173), 37.0eV, 81.906-81.908min, 1/K0=1.016
	Cmpd 25162, +MS2(848.3975), 37.0eV, 52.839-52.841min, 1/K0=0.978
	Cmpd 24211, +MS2(848.3992), 37.0eV, 52.364-52.368min, 1/K0=0.973
	Cmpd 24323, +MS2(848.3996), 37.0eV, 52.4min, 1/K0=0.971 #26017
	Cmpd 98620, +MS2(872.9581), 42.0eV, 81.916-81.918min, 1/K0=1.064
	Cmpd 98664, +MS2(908.4779), 42.0eV, 81.929-81.931min, 1/K0=1.091
	Cmpd 60025, +MS2(686.9979), 37.0eV, 67.64-67.66min, 1/K0=0.862 #
1.000000000000000000.0	Cmpd 111276, +MS2(713.0309), 31.9eV, 85.9min, 1/K0=0.851 #43653
	Cmpd 47145, +MS2(720.3346), 31.9eV, 62.6min, 1/K0=0.821 #31419
0.00000000200000000000.0	Cmpd 93804, +MS2(1081.5144), 42.0eV, 80.233-80.235min, 1/K0=1.12
	Cmpd 47542, +MS2(739.0303), 31.9eV, 62.8min, 1/K0=0.827 #31483
	Cmpd 47375, +MS2(739.0323), 31.9eV, 62.711-62.713min, 1/K0=0.849
	Cmpd 47300, +MS2(739.0312), 31.9eV, 62.685-62.688min, 1/K0=0.827
	Cmpd 47355, +MS2(739.0336), 31.9eV, 62.702-62.704min, 1/K0=0.829
	Cmpd 100019, +MS2(758.7110), 37.0eV, 82.439-82.443min, 1/K0=0.94
	Cmpd 98846, +MS2(758.7098), 37.0eV, 82.0min, 1/K0=0.944 #41615
0.000000000000000000200.0	Cmpd 83724, +MS2(764.0441), 37.0eV, 76.290-76.294min, 1/K0=0.939
0.000000000000000000200.0	Cmpd 83677, +MS2(764.0468), 37.0eV, 76.3min, 1/K0=0.940 #38608
	Cmpd 18583, +MS2(579.7792), 31.9eV, 49.4min, 1/K0=0.811 #24400
	Cmpd 18542, +MS2(579.7799), 31.9eV, 49.4min, 1/K0=0.813 #24388
	Cmpd 18379, +MS2(579.7802), 31.9eV, 49.271-49.275min, 1/K0=0.815



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Cmpd 71703, +MS2(641.3836), 37.0eV, 71.9min, 1/K0=0.875 #36312  
Cmpd 71495, +MS2(641.3847), 37.0eV, 71.8min, 1/K0=0.919 #36270  
Cmpd 71709, +MS2(641.3852), 37.0eV, 71.918-71.920min, 1/K0=0.895  
Cmpd 18429, +MS2(679.8381), 37.0eV, 49.3min, 1/K0=0.905 #24356  
Cmpd 19186, +MS2(679.8385), 37.0eV, 49.7min, 1/K0=0.908 #24577  
Cmpd 18315, +MS2(679.8388), 37.0eV, 49.235-49.237min, 1/K0=0.899  
Cmpd 2625, +MS2(687.8350), 37.0eV, 37.8min, 1/K0=0.889 #18217  
Cmpd 2715, +MS2(687.8353), 37.0eV, 37.852-37.860min, 1/K0=0.868 #  
Cmpd 2560, +MS2(687.8364), 37.0eV, 37.691-37.699min, 1/K0=0.883 #  
Cmpd 8096, +MS2(557.6135), 31.9eV, 42.6min, 1/K0=0.754 #20802  
Cmpd 8061, +MS2(835.9182), 37.0eV, 42.587-42.595min, 1/K0=0.989 #  
Cmpd 8030, +MS2(835.9191), 37.0eV, 42.57-42.58min, 1/K0=0.988 #2  
Cmpd 7896, +MS2(557.6140), 31.9eV, 42.489-42.499min, 1/K0=0.758 #  
Cmpd 112013, +MS2(937.4602), 37.0eV, 86.081-86.086min, 1/K0=1.03  
Cmpd 66775, +MS2(967.9526), 37.0eV, 70.185-70.187min, 1/K0=1.044  
Cmpd 84321, +MS2(696.7325), 37.0eV, 76.507-76.509min, 1/K0=0.905  
Cmpd 83030, +MS2(696.7369), 37.0eV, 76.0min, 1/K0=0.905 #38480  
Cmpd 81597, +MS2(696.7354), 37.0eV, 75.5min, 1/K0=0.901 #38193  
Cmpd 81948, +MS2(696.7367), 37.0eV, 75.6min, 1/K0=0.904 #38259  
Cmpd 81454, +MS2(696.7361), 37.0eV, 75.434-75.438min, 1/K0=0.901  
Cmpd 85410, +MS2(696.7366), 37.0eV, 76.924-76.928min, 1/K0=0.902  
Cmpd 15965, +MS2(555.8341), 31.9eV, 47.8min, 1/K0=0.833 #23575  
Cmpd 95984, +MS2(574.3012), 37.0eV, 81.1min, 1/K0=0.856 #41130  
Cmpd 16186, +MS2(579.2946), 31.9eV, 47.9min, 1/K0=0.827 #23640  
Cmpd 16335, +MS2(579.2969), 31.9eV, 48.0min, 1/K0=0.805 #23685  
Cmpd 16226, +MS2(579.2970), 31.9eV, 48.0min, 1/K0=0.806 #23651  
Cmpd 16043, +MS2(579.2972), 31.9eV, 47.9min, 1/K0=0.827 #23597  
Cmpd 44474, +MS2(637.3010), 31.9eV, 61.527-61.529min, 1/K0=0.849  
Cmpd 44744, +MS2(637.3042), 31.9eV, 61.6min, 1/K0=0.849 #30881  
Cmpd 95848, +MS2(667.3444), 37.0eV, 81.016-81.018min, 1/K0=0.934  
Cmpd 44778, +MS2(686.8384), 37.0eV, 61.6min, 1/K0=0.901 #30889  
Cmpd 45758, +MS2(686.8416), 37.0eV, 62.064-62.066min, 1/K0=0.904  
Cmpd 95600, +MS2(716.8789), 37.0eV, 80.9min, 1/K0=0.992 #41059  
Cmpd 97017, +MS2(716.8788), 37.0eV, 81.4min, 1/K0=0.986 #41305  
Cmpd 95718, +MS2(716.8803), 37.0eV, 81.0min, 1/K0=0.992 #41078  
Cmpd 97094, +MS2(716.8805), 37.0eV, 81.42-81.44min, 1/K0=0.987 #  
Cmpd 95680, +MS2(716.8814), 37.0eV, 81.0min, 1/K0=0.992 #41074  
Cmpd 44617, +MS2(736.3739), 37.0eV, 61.6min, 1/K0=0.932 #30856  
Cmpd 44828, +MS2(736.3746), 37.0eV, 61.7min, 1/K0=0.953 #30900  
Cmpd 107424, +MS2(720.3637), 37.0eV, 84.9min, 1/K0=0.925 #43160  
Cmpd 120648, +MS2(735.0496), 37.0eV, 88.3min, 1/K0=0.904 #44894  
Cmpd 107502, +MS2(758.7068), 37.0eV, 85.0min, 1/K0=0.944 #43169  
Cmpd 107389, +MS2(832.0694), 37.0eV, 84.9min, 1/K0=0.994 #43155  
Cmpd 63346, +MS2(842.9114), 37.0eV, 68.9min, 1/K0=0.992 #34741  
Cmpd 63181, +MS2(842.9127), 37.0eV, 68.867-68.869min, 1/K0=0.994  
Cmpd 64429, +MS2(842.9142), 37.0eV, 69.4min, 1/K0=0.979 #34962  
Cmpd 85822, +MS2(865.4604), 42.0eV, 77.085-77.089min, 1/K0=1.059  
Cmpd 85939, +MS2(865.4603), 42.0eV, 77.1min, 1/K0=1.066 #39062

	Cmpd 86257, +MS2(865.4614), 37.0eV, 77.3min, 1/K0=1.038 #39128
	Cmpd 86361, +MS2(865.4621), 42.0eV, 77.3min, 1/K0=1.071 #39150
	Cmpd 14732, +MS2(1005.4782), 42.0eV, 47.02-47.03min, 1/K0=1.068 #42385
	Cmpd 102591, +MS2(1069.5193), 42.0eV, 83.400-83.402min, 1/K0=1.101 #42385
	Cmpd 102764, +MS2(1069.5232), 42.0eV, 83.5min, 1/K0=1.101 #42385
	Cmpd 18131, +MS2(1069.9941), 42.0eV, 49.1min, 1/K0=1.115 #24267
0.00002000000000000000.0	Cmpd 88989, +MS2(1077.5132), 42.0eV, 78.351-78.353min, 1/K0=1.11
0.00002000000000000000.0	Cmpd 88756, +MS2(1077.5179), 42.0eV, 78.266-78.268min, 1/K0=1.12
0.00020000000000000000.0	Cmpd 83018, +MS2(1077.5133), 42.0eV, 76.032-76.034min, 1/K0=1.10
0.00002000000000000000.0	Cmpd 88745, +MS2(1077.5159), 42.0eV, 78.262-78.264min, 1/K0=1.12
0.00002000000000000000.0	Cmpd 89275, +MS2(1077.5158), 42.0eV, 78.459-78.465min, 1/K0=1.09
	Cmpd 92238, +MS2(791.7315), 37.0eV, 79.618-79.620min, 1/K0=0.874
	Cmpd 84657, +MS2(830.3925), 37.0eV, 76.635-76.637min, 1/K0=0.900
	Cmpd 56105, +MS2(543.7595), 31.9eV, 66.193-66.197min, 1/K0=0.804
	Cmpd 32993, +MS2(640.3062), 31.9eV, 56.8min, 1/K0=0.855 #28317
	Cmpd 95350, +MS2(742.9210), 37.0eV, 80.839-80.841min, 1/K0=1.009
	Cmpd 95396, +MS2(742.9213), 37.0eV, 80.9min, 1/K0=0.946 #41021
	Cmpd 95344, +MS2(742.9215), 37.0eV, 80.8min, 1/K0=0.984 #41011
	Cmpd 95632, +MS2(742.9223), 37.0eV, 80.9min, 1/K0=0.988 #41064
	Cmpd 95693, +MS2(742.9226), 37.0eV, 81.0min, 1/K0=1.004 #41075
	Cmpd 95806, +MS2(742.9227), 37.0eV, 81.0min, 1/K0=0.945 #41097
	Cmpd 55966, +MS2(589.6123), 31.9eV, 66.120-66.125min, 1/K0=0.785
	Cmpd 72812, +MS2(910.4096), 37.0eV, 72.352-72.354min, 1/K0=1.041
	Cmpd 73675, +MS2(640.2913), 31.9eV, 72.650-72.652min, 1/K0=0.793
	Cmpd 72475, +MS2(640.2950), 31.9eV, 72.231-72.237min, 1/K0=0.798
	Cmpd 106074, +MS2(997.9926), 42.0eV, 84.576-84.578min, 1/K0=1.11
	Cmpd 106254, +MS2(997.9952), 42.0eV, 84.6min, 1/K0=1.118 #43000
	Cmpd 75648, +MS2(1075.5034), 42.0eV, 73.381-73.383min, 1/K0=1.09
	Cmpd 74518, +MS2(1075.5043), 42.0eV, 73.0min, 1/K0=1.104 #36862
	Cmpd 82938, +MS2(782.7102), 37.0eV, 76.006-76.008min, 1/K0=0.936
	Cmpd 83276, +MS2(1173.5590), 47.0eV, 76.121-76.131min, 1/K0=1.26
	Cmpd 46269, +MS2(602.8059), 31.9eV, 62.289-62.293min, 1/K0=0.826
	Cmpd 99593, +MS2(674.8504), 37.0eV, 82.275-82.279min, 1/K0=0.918
	Cmpd 105206, +MS2(707.8990), 37.0eV, 84.3min, 1/K0=0.913 #42828
	Cmpd 105438, +MS2(707.8999), 37.0eV, 84.4min, 1/K0=0.922 #42870
	Cmpd 106032, +MS2(707.9004), 37.0eV, 84.6min, 1/K0=0.939 #42967
	Cmpd 99417, +MS2(768.8764), 37.0eV, 82.201-82.203min, 1/K0=0.939
	Cmpd 100662, +MS2(768.8841), 37.0eV, 82.7min, 1/K0=0.938 #41988
	Cmpd 99608, +MS2(768.8848), 37.0eV, 82.3min, 1/K0=0.938 #41768
	Cmpd 37785, +MS2(776.8766), 37.0eV, 58.8min, 1/K0=0.955 #29383
	Cmpd 37533, +MS2(776.8785), 37.0eV, 58.680-58.684min, 1/K0=0.956
	Cmpd 88660, +MS2(919.4255), 37.0eV, 78.2min, 1/K0=1.008 #39635
	Cmpd 62714, +MS2(967.4234), 37.0eV, 68.7min, 1/K0=1.035 #34596
	Cmpd 62500, +MS2(967.4237), 37.0eV, 68.555-68.557min, 1/K0=1.034
	Cmpd 63674, +MS2(967.4239), 37.0eV, 69.075-69.083min, 1/K0=1.035
	Cmpd 62820, +MS2(967.4233), 37.0eV, 68.7min, 1/K0=1.051 #34620
	Cmpd 88084, +MS2(770.7101), 31.9eV, 77.991-77.993min, 1/K0=0.835
	Cmpd 88366, +MS2(770.7127), 31.9eV, 78.1min, 1/K0=0.834 #39569

Cmpd 107179, +MS2(770.7107), 31.9eV, 84.876-84.878min, 1/K0=0.83  
Cmpd 64155, +MS2(558.2790), 31.9eV, 69.3min, 1/K0=0.793 #34916  
Cmpd 65179, +MS2(558.2790), 31.9eV, 69.6min, 1/K0=0.808 #35113  
Cmpd 64046, +MS2(558.2800), 31.9eV, 69.2min, 1/K0=0.808 #34893  
Cmpd 6606, +MS2(584.8006), 31.9eV, 41.572-41.574min, 1/K0=0.847 #  
Cmpd 88590, +MS2(655.8529), 37.0eV, 78.200-78.201min, 1/K0=0.912  
Cmpd 88106, +MS2(655.8531), 37.0eV, 78.0min, 1/K0=0.887 #39514  
Cmpd 96067, +MS2(657.3174), 37.0eV, 81.093-81.097min, 1/K0=0.866  
Cmpd 63886, +MS2(672.3381), 37.0eV, 69.155-69.157min, 1/K0=0.889  
Cmpd 64001, +MS2(672.3373), 37.0eV, 69.2min, 1/K0=0.887 #34882  
Cmpd 12080, +MS2(705.8610), 37.0eV, 45.371-45.376min, 1/K0=0.888  
Cmpd 12091, +MS2(705.8626), 37.0eV, 45.38-45.39min, 1/K0=0.889 #  
Cmpd 6612, +MS2(720.3598), 37.0eV, 41.6min, 1/K0=0.950 #20252  
Cmpd 6527, +MS2(720.3602), 37.0eV, 41.514-41.516min, 1/K0=0.949 #  
Cmpd 38662, +MS2(798.8675), 37.0eV, 59.163-59.165min, 1/K0=0.948  
Cmpd 38792, +MS2(798.8710), 37.0eV, 59.2min, 1/K0=0.946 #29614  
Cmpd 39717, +MS2(798.8711), 37.0eV, 59.6min, 1/K0=0.945 #29836  
Cmpd 40769, +MS2(798.8729), 37.0eV, 60.058-60.060min, 1/K0=0.947  
Cmpd 93011, +MS2(833.4006), 37.0eV, 79.9min, 1/K0=0.992 #40525  
Cmpd 94041, +MS2(833.4019), 37.0eV, 80.3min, 1/K0=0.985 #40745  
Cmpd 92757, +MS2(833.4023), 37.0eV, 79.8min, 1/K0=1.008 #40470  
Cmpd 119275, +MS2(852.4407), 37.0eV, 88.0min, 1/K0=1.003 #44716  
Cmpd 119118, +MS2(852.4432), 37.0eV, 87.902-87.904min, 1/K0=1.00  
Cmpd 119084, +MS2(852.4447), 37.0eV, 87.9min, 1/K0=1.005 #44682  
Cmpd 5668, +MS2(599.3092), 31.9eV, 40.711-40.712min, 1/K0=0.836 #  
Cmpd 61480, +MS2(754.3566), 31.9eV, 68.195-68.197min, 1/K0=0.826  
Cmpd 62352, +MS2(797.4031), 37.0eV, 68.498-68.500min, 1/K0=0.978  
Cmpd 62504, +MS2(586.2882), 31.9eV, 68.6min, 1/K0=0.798 #34541  
Cmpd 62036, +MS2(878.9348), 37.0eV, 68.390-68.392min, 1/K0=1.001  
Cmpd 16856, +MS2(969.4450), 37.0eV, 48.341-48.351min, 1/K0=1.021  
Cmpd 17902, +MS2(1004.9582), 37.0eV, 48.982-48.987min, 1/K0=1.03  
Cmpd 18116, +MS2(670.3093), 31.9eV, 49.111-49.117min, 1/K0=0.853  
Cmpd 18069, +MS2(1004.9621), 37.0eV, 49.1min, 1/K0=1.034 #24245  
Cmpd 17964, +MS2(1004.9637), 37.0eV, 49.0min, 1/K0=1.035 #24212  
Cmpd 18790, +MS2(1004.9635), 37.0eV, 49.499-49.501min, 1/K0=1.03  
Cmpd 19620, +MS2(1004.9685), 37.0eV, 49.949-49.953min, 1/K0=1.03  
Cmpd 9145, +MS2(713.0115), 31.9eV, 43.338-43.343min, 1/K0=0.802 #  
Cmpd 9207, +MS2(713.0071), 31.9eV, 43.391-43.392min, 1/K0=0.821 #  
Cmpd 100446, +MS2(1021.5013), 37.0eV, 82.6min, 1/K0=0.956 #41944  
Cmpd 100291, +MS2(1021.5015), 37.0eV, 82.6min, 1/K0=0.977 #41911  
Cmpd 100121, +MS2(1021.5027), 37.0eV, 82.475-82.477min, 1/K0=0.9  
Cmpd 20766, +MS2(577.8061), 31.9eV, 50.558-50.559min, 1/K0=0.817  
Cmpd 111871, +MS2(592.8209), 31.9eV, 86.0min, 1/K0=0.852 #43730  
Cmpd 111750, +MS2(628.3399), 37.0eV, 86.0min, 1/K0=0.869 #43715  
Cmpd 111865, +MS2(628.3408), 37.0eV, 86.0min, 1/K0=0.873 #43729  
Cmpd 20574, +MS2(634.3512), 37.0eV, 50.5min, 1/K0=0.904 #24970  
Cmpd 20602, +MS2(634.3512), 37.0eV, 50.461-50.465min, 1/K0=0.904  
Cmpd 54283, +MS2(651.3561), 37.0eV, 65.465-65.466min, 1/K0=0.899

Cmpd 111856, +MS2(720.4040), 37.0eV, 86.0min, 1/K0=0.962 #43728  
Cmpd 111986, +MS2(777.9175), 37.0eV, 86.075-86.077min, 1/K0=1.01  
Cmpd 111904, +MS2(777.9207), 37.0eV, 86.1min, 1/K0=1.017 #43736  
Cmpd 111746, +MS2(834.4605), 42.0eV, 86.0min, 1/K0=1.082 #43715  
Cmpd 68257, +MS2(891.4668), 37.0eV, 70.696-70.698min, 1/K0=1.005  
Cmpd 68211, +MS2(891.4704), 37.0eV, 70.7min, 1/K0=1.034 #35663  
Cmpd 68035, +MS2(891.4716), 37.0eV, 70.628-70.632min, 1/K0=1.032  
Cmpd 68527, +MS2(891.4718), 37.0eV, 70.8min, 1/K0=1.032 #35718  
Cmpd 77671, +MS2(776.0485), 31.9eV, 74.076-74.080min, 1/K0=0.837  
Cmpd 63646, +MS2(828.0831), 37.0eV, 69.058-69.062min, 1/K0=0.889  
Cmpd 63367, +MS2(828.0826), 37.0eV, 68.945-68.947min, 1/K0=0.873  
Cmpd 120392, +MS2(897.1311), 37.0eV, 88.2min, 1/K0=0.914 #44863  
Cmpd 14806, +MS2(533.2673), 31.9eV, 47.070-47.072min, 1/K0=0.791  
Cmpd 14044, +MS2(533.2675), 31.9eV, 46.574-46.578min, 1/K0=0.790  
Cmpd 14192, +MS2(582.8017), 31.9eV, 46.7min, 1/K0=0.838 #22959  
Cmpd 87231, +MS2(617.8418), 37.0eV, 77.6min, 1/K0=0.856 #39327  
Cmpd 13987, +MS2(639.3413), 37.0eV, 46.533-46.536min, 1/K0=0.896  
Cmpd 14094, +MS2(639.3425), 37.0eV, 46.6min, 1/K0=0.895 #22926  
Cmpd 14003, +MS2(639.3438), 37.0eV, 46.542-46.546min, 1/K0=0.895  
Cmpd 51312, +MS2(781.3253), 37.0eV, 64.3min, 1/K0=0.957 #32296  
0.00000200000000.0 Cmpd 15237, +MS2(797.3599), 37.0eV, 47.34-47.36min, 1/K0=0.974 #  
Cmpd 121165, +MS2(926.0525), 42.0eV, 88.4min, 1/K0=1.130 #44958  
Cmpd 121109, +MS2(926.0529), 42.0eV, 88.4min, 1/K0=1.129 #44950  
Cmpd 119780, +MS2(703.4182), 37.0eV, 88.1min, 1/K0=0.886 #44786  
Cmpd 51088, +MS2(765.0106), 37.0eV, 64.20-64.21min, 1/K0=0.885 #  
Cmpd 51245, +MS2(765.0113), 37.0eV, 64.3min, 1/K0=0.886 #32278  
Cmpd 100997, +MS2(1187.5407), 42.0eV, 82.83-82.84min, 1/K0=1.169  
Cmpd 100936, +MS2(1187.5397), 47.0eV, 82.804-82.806min, 1/K0=1.2  
Cmpd 102317, +MS2(1187.5414), 47.0eV, 83.310-83.318min, 1/K0=1.2  
Cmpd 101292, +MS2(1187.5400), 42.0eV, 82.931-82.933min, 1/K0=1.1  
Cmpd 101346, +MS2(1187.5419), 42.0eV, 82.9min, 1/K0=1.167 #42120  
Cmpd 101154, +MS2(1187.5382), 47.0eV, 82.9min, 1/K0=1.265 #42087  
0.0000020000000000000000.0 Cmpd 73317, +MS2(1195.5398), 42.0eV, 72.523-72.527min, 1/K0=1.15  
Cmpd 56215, +MS2(595.3182), 31.9eV, 66.2min, 1/K0=0.823 #33320  
Cmpd 108279, +MS2(609.8646), 37.0eV, 85.1min, 1/K0=0.877 #43266  
Cmpd 44557, +MS2(618.8154), 37.0eV, 61.6min, 1/K0=0.876 #30845  
Cmpd 44178, +MS2(618.8163), 37.0eV, 61.4min, 1/K0=0.878 #30786  
Cmpd 45569, +MS2(618.8182), 37.0eV, 61.974-61.976min, 1/K0=0.889  
Cmpd 86072, +MS2(626.3262), 37.0eV, 77.2min, 1/K0=0.885 #39085  
Cmpd 85880, +MS2(626.3268), 37.0eV, 77.115-77.117min, 1/K0=0.880  
0.00200000000.0 Cmpd 31479, +MS2(662.3309), 37.0eV, 56.11-56.12min, 1/K0=0.905 #  
0.00200000000.0 Cmpd 31558, +MS2(662.3381), 37.0eV, 56.14-56.16min, 1/K0=0.904 #  
Cmpd 103203, +MS2(662.8617), 37.0eV, 83.6min, 1/K0=0.884 #42473  
Cmpd 112952, +MS2(662.8620), 37.0eV, 86.3min, 1/K0=0.882 #43869  
Cmpd 50955, +MS2(662.8647), 37.0eV, 64.150-64.152min, 1/K0=0.891  
Cmpd 50996, +MS2(662.8651), 37.0eV, 64.167-64.169min, 1/K0=0.873  
Cmpd 109344, +MS2(730.3903), 37.0eV, 85.4min, 1/K0=0.939 #43407  
Cmpd 44429, +MS2(735.8702), 37.0eV, 61.5min, 1/K0=0.989 #30823

0.000200000000.0	Cmpd 44184, +MS2(735.8680), 37.0eV, 61.4min, 1/K0=0.989 #30787 Cmpd 31436, +MS2(743.8664), 37.0eV, 56.085-56.091min, 1/K0=0.982 Cmpd 51122, +MS2(877.9327), 37.0eV, 64.2min, 1/K0=0.981 #32253 Cmpd 109264, +MS2(944.0148), 42.0eV, 85.4min, 1/K0=1.083 #43397 Cmpd 123723, +MS2(1005.0146), 42.0eV, 89.2min, 1/K0=1.072 #45345 Cmpd 123656, +MS2(1005.0142), 42.0eV, 89.15-89.17min, 1/K0=1.102 Cmpd 123669, +MS2(1005.0148), 42.0eV, 89.2min, 1/K0=1.076 #45335 Cmpd 123733, +MS2(1005.0160), 42.0eV, 89.2min, 1/K0=1.104 #45344 Cmpd 121848, +MS2(1018.0220), 42.0eV, 88.6min, 1/K0=1.065 #45046 Cmpd 109488, +MS2(691.0472), 31.9eV, 85.451-85.453min, 1/K0=0.80 Cmpd 109398, +MS2(691.0497), 37.0eV, 85.428-85.430min, 1/K0=0.89 Cmpd 109250, +MS2(1036.0740), 42.0eV, 85.4min, 1/K0=1.151 #43396 Cmpd 109174, +MS2(1036.0752), 42.0eV, 85.4min, 1/K0=1.153 #43385 Cmpd 31130, +MS2(652.8148), 31.9eV, 55.925-55.929min, 1/K0=0.821 Cmpd 30264, +MS2(652.8155), 31.9eV, 55.5min, 1/K0=0.828 #27645 Cmpd 30080, +MS2(652.8160), 31.9eV, 55.417-55.419min, 1/K0=0.826
0.000000000020.0	Cmpd 9801, +MS2(660.8115), 31.9eV, 43.843-43.846min, 1/K0=0.825 #
0.000000000020.0	Cmpd 9827, +MS2(660.8121), 31.9eV, 43.861-43.865min, 1/K0=0.821 # Cmpd 114019, +MS2(721.3942), 37.0eV, 86.6min, 1/K0=0.972 #44007 Cmpd 17863, +MS2(732.8805), 37.0eV, 49.0min, 1/K0=0.923 #24178 Cmpd 17876, +MS2(732.8831), 37.0eV, 48.963-48.965min, 1/K0=0.926 Cmpd 18037, +MS2(732.8832), 37.0eV, 49.064-49.070min, 1/K0=0.955 Cmpd 17975, +MS2(732.8843), 37.0eV, 49.0min, 1/K0=0.925 #24213 Cmpd 18692, +MS2(732.8834), 37.0eV, 49.437-49.439min, 1/K0=0.929 Cmpd 26892, +MS2(795.3841), 37.0eV, 53.7min, 1/K0=0.997 #26709 Cmpd 27102, +MS2(795.3863), 37.0eV, 53.8min, 1/K0=1.000 #26764 Cmpd 113902, +MS2(821.4552), 42.0eV, 86.6min, 1/K0=1.057 #43991 Cmpd 123197, +MS2(763.4047), 37.0eV, 88.988-88.990min, 1/K0=0.91 Cmpd 123167, +MS2(1144.6078), 42.0eV, 89.0min, 1/K0=1.219 #45244
0.2000000000000000000000.0	Cmpd 122851, +MS2(1152.6080), 42.0eV, 88.9min, 1/K0=1.207 #45190 Cmpd 35951, +MS2(597.8570), 37.0eV, 58.040-58.049min, 1/K0=0.894 Cmpd 56251, +MS2(634.8397), 31.9eV, 66.257-66.259min, 1/K0=0.846 Cmpd 35382, +MS2(641.3707), 37.0eV, 57.788-57.792min, 1/K0=0.911 Cmpd 35604, +MS2(641.3718), 37.0eV, 57.9min, 1/K0=0.913 #28910 Cmpd 36655, +MS2(641.3737), 37.0eV, 58.3min, 1/K0=0.913 #29133 Cmpd 48002, +MS2(870.4591), 37.0eV, 62.948-62.950min, 1/K0=1.002 Cmpd 91619, +MS2(700.6643), 31.9eV, 79.4min, 1/K0=0.830 #40239 Cmpd 91490, +MS2(700.6662), 31.9eV, 79.315-79.317min, 1/K0=0.829 Cmpd 91606, +MS2(724.3454), 31.9eV, 79.368-79.370min, 1/K0=0.854 Cmpd 91908, +MS2(724.3457), 37.0eV, 79.5min, 1/K0=0.860 #40295 Cmpd 92696, +MS2(748.0245), 37.0eV, 79.8min, 1/K0=0.860 #40459 Cmpd 93781, +MS2(748.0225), 37.0eV, 80.226-80.228min, 1/K0=0.861 Cmpd 91724, +MS2(748.0221), 31.9eV, 79.4min, 1/K0=0.836 #40261 Cmpd 91628, +MS2(748.0252), 37.0eV, 79.4min, 1/K0=0.861 #40240 Cmpd 91815, +MS2(748.0246), 31.9eV, 79.451-79.453min, 1/K0=0.838 Cmpd 91477, +MS2(748.0251), 37.0eV, 79.3min, 1/K0=0.858 #40207 Cmpd 92997, +MS2(748.0247), 37.0eV, 79.910-79.912min, 1/K0=0.879 Cmpd 62341, +MS2(461.2668), 31.9eV, 68.49-68.51min, 1/K0=0.741 #

0.0000000000020.0

Cmpd 23307, +MS2(532.7757), 31.9eV, 51.9min, 1/K0=0.807 #25741  
Cmpd 23136, +MS2(532.7757), 31.9eV, 51.8min, 1/K0=0.806 #25686  
Cmpd 107680, +MS2(587.7924), 31.9eV, 85.000-85.002min, 1/K0=0.81  
Cmpd 23135, +MS2(589.3187), 37.0eV, 51.8min, 1/K0=0.859 #25686  
Cmpd 23287, +MS2(589.3188), 37.0eV, 51.9min, 1/K0=0.861 #25732  
Cmpd 45308, +MS2(625.8112), 31.9eV, 61.851-61.853min, 1/K0=0.847  
Cmpd 45475, +MS2(625.8127), 31.9eV, 61.9min, 1/K0=0.849 #31043  
Cmpd 107484, +MS2(636.3192), 31.9eV, 84.9min, 1/K0=0.854 #43167  
Cmpd 107655, +MS2(636.3207), 37.0eV, 85.0min, 1/K0=0.857 #43189  
Cmpd 107664, +MS2(636.3213), 31.9eV, 85.0min, 1/K0=0.840 #43190  
Cmpd 22998, +MS2(645.8587), 37.0eV, 51.724-51.726min, 1/K0=0.937  
Cmpd 23211, +MS2(645.8596), 37.0eV, 51.847-51.851min, 1/K0=0.898  
Cmpd 23030, +MS2(645.8597), 37.0eV, 51.741-51.747min, 1/K0=0.937  
Cmpd 23134, +MS2(645.8599), 37.0eV, 51.8min, 1/K0=0.938 #25686  
Cmpd 23271, +MS2(645.8605), 37.0eV, 51.9min, 1/K0=0.939 #25730  
Cmpd 112137, +MS2(668.8439), 37.0eV, 86.114-86.116min, 1/K0=0.88  
Cmpd 84283, +MS2(795.4799), 37.0eV, 76.494-76.496min, 1/K0=1.034  
Cmpd 62287, +MS2(571.9744), 31.9eV, 68.5min, 1/K0=0.806 #34499  
Cmpd 62380, +MS2(857.4612), 37.0eV, 68.51-68.52min, 1/K0=1.008 #34499  
Cmpd 86196, +MS2(639.6613), 31.9eV, 77.238-77.242min, 1/K0=0.785  
Cmpd 93418, +MS2(738.6993), 31.9eV, 80.1min, 1/K0=0.819 #40614  
Cmpd 91914, +MS2(738.6968), 31.9eV, 79.5min, 1/K0=0.819 #40296  
Cmpd 92203, +MS2(738.6997), 31.9eV, 79.6min, 1/K0=0.819 #40360  
Cmpd 92049, +MS2(1107.5526), 42.0eV, 79.5min, 1/K0=1.144 #40328  
Cmpd 13085, +MS2(597.7885), 31.9eV, 46.0min, 1/K0=0.811 #22618  
Cmpd 90003, +MS2(674.3653), 37.0eV, 78.8min, 1/K0=0.904 #39921  
Cmpd 89701, +MS2(674.3665), 37.0eV, 78.658-78.660min, 1/K0=0.897  
Cmpd 56667, +MS2(674.8418), 37.0eV, 66.4min, 1/K0=0.902 #33420  
Cmpd 27710, +MS2(755.8492), 37.0eV, 54.190-54.194min, 1/K0=0.925  
Cmpd 27817, +MS2(755.8486), 37.0eV, 54.3min, 1/K0=0.929 #26985  
Cmpd 28053, +MS2(755.8491), 37.0eV, 54.4min, 1/K0=0.938 #27042  
Cmpd 28589, +MS2(755.8504), 37.0eV, 54.677-54.679min, 1/K0=0.929  
Cmpd 12151, +MS2(763.8463), 37.0eV, 45.420-45.421min, 1/K0=0.910  
Cmpd 88757, +MS2(912.9461), 42.0eV, 78.3min, 1/K0=1.072 #39656  
Cmpd 88378, +MS2(912.9469), 42.0eV, 78.107-78.111min, 1/K0=1.069  
Cmpd 102102, +MS2(914.9302), 37.0eV, 83.229-83.233min, 1/K0=1.01  
Cmpd 102072, +MS2(914.9301), 37.0eV, 83.2min, 1/K0=1.011 #42262  
Cmpd 41579, +MS2(961.4840), 42.0eV, 60.402-60.406min, 1/K0=1.073  
Cmpd 41880, +MS2(641.3253), 31.9eV, 60.514-60.516min, 1/K0=0.845  
Cmpd 41713, +MS2(641.3261), 37.0eV, 60.5min, 1/K0=0.862 #30263  
Cmpd 41859, +MS2(641.3263), 37.0eV, 60.5min, 1/K0=0.878 #30294  
Cmpd 95524, +MS2(745.3353), 31.9eV, 80.902-80.904min, 1/K0=0.844  
Cmpd 105862, +MS2(869.0840), 37.0eV, 84.518-84.520min, 1/K0=0.91  
Cmpd 88924, +MS2(585.2749), 31.9eV, 78.323-78.327min, 1/K0=0.812  
Cmpd 65085, +MS2(659.8493), 37.0eV, 69.602-69.604min, 1/K0=0.876  
Cmpd 65255, +MS2(659.8509), 37.0eV, 69.7min, 1/K0=0.890 #35126  
Cmpd 65127, +MS2(659.8511), 37.0eV, 69.6min, 1/K0=0.889 #35103  
Cmpd 54345, +MS2(708.8386), 37.0eV, 65.487-65.489min, 1/K0=0.918

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Cmpd 88916, +MS2(774.8592), 37.0eV, 78.319-78.321min, 1/K0=0.968  
Cmpd 121216, +MS2(813.9979), 37.0eV, 88.4min, 1/K0=1.025 #44965  
Cmpd 51697, +MS2(816.4267), 37.0eV, 64.5min, 1/K0=0.965 #32385  
Cmpd 50705, +MS2(816.4290), 37.0eV, 64.1min, 1/K0=0.973 #32165  
Cmpd 50549, +MS2(816.4292), 37.0eV, 64.0min, 1/K0=0.971 #32133  
Cmpd 88934, +MS2(859.9135), 37.0eV, 78.328-78.330min, 1/K0=1.041  
Cmpd 63568, +MS2(983.5010), 37.0eV, 69.026-69.030min, 1/K0=1.047  
Cmpd 63724, +MS2(983.4979), 37.0eV, 69.1min, 1/K0=1.049 #34827  
Cmpd 92988, +MS2(1174.5340), 42.0eV, 79.907-79.910min, 1/K0=1.14  
Cmpd 93150, +MS2(1174.5280), 42.0eV, 80.0min, 1/K0=1.141 #40558  
Cmpd 93407, +MS2(1174.5286), 42.0eV, 80.083-80.087min, 1/K0=1.18  
Cmpd 94206, +MS2(1174.5276), 42.0eV, 80.400-80.402min, 1/K0=1.14  
Cmpd 93157, +MS2(1174.5279), 42.0eV, 79.981-79.983min, 1/K0=1.17  
Cmpd 106625, +MS2(619.3399), 37.0eV, 84.7min, 1/K0=0.893 #43051  
Cmpd 111611, +MS2(681.3496), 37.0eV, 86.0min, 1/K0=0.896 #43695  
Cmpd 83069, +MS2(682.3997), 37.0eV, 76.1min, 1/K0=0.896 #38490  
Cmpd 82879, +MS2(788.9589), 37.0eV, 75.983-75.989min, 1/K0=0.991  
Cmpd 83083, +MS2(788.9594), 37.0eV, 76.1min, 1/K0=0.996 #38492  
Cmpd 73611, +MS2(811.4418), 37.0eV, 72.6min, 1/K0=0.976 #36687  
Cmpd 73832, +MS2(811.4428), 37.0eV, 72.7min, 1/K0=0.994 #36730  
Cmpd 73068, +MS2(811.4426), 37.0eV, 72.432-72.436min, 1/K0=0.968  
Cmpd 73180, +MS2(811.4426), 37.0eV, 72.468-72.472min, 1/K0=0.991  
Cmpd 73329, +MS2(811.4431), 37.0eV, 72.5min, 1/K0=0.968 #36632  
Cmpd 119983, +MS2(813.4527), 37.0eV, 88.1min, 1/K0=0.990 #44813  
Cmpd 58889, +MS2(892.9388), 37.0eV, 67.205-67.209min, 1/K0=1.029  
Cmpd 55962, +MS2(892.9429), 37.0eV, 66.1min, 1/K0=1.023 #33255  
Cmpd 56012, +MS2(900.9390), 37.0eV, 66.142-66.144min, 1/K0=1.018  
Cmpd 32300, +MS2(900.9388), 37.0eV, 56.479-56.485min, 1/K0=1.018  
Cmpd 120253, +MS2(611.9880), 31.9eV, 88.2min, 1/K0=0.790 #44848  
Cmpd 120051, +MS2(761.1029), 37.0eV, 88.2min, 1/K0=0.876 #44822  
Cmpd 104145, +MS2(983.1643), 37.0eV, 83.926-83.928min, 1/K0=1.02  
Cmpd 104308, +MS2(983.1617), 37.0eV, 83.989-83.993min, 1/K0=0.99  
Cmpd 14881, +MS2(497.2280), 31.9eV, 47.1min, 1/K0=0.750 #23200  
Cmpd 55179, +MS2(636.8477), 37.0eV, 65.8min, 1/K0=0.858 #33089  
Cmpd 55649, +MS2(636.8478), 37.0eV, 65.993-65.998min, 1/K0=0.874  
Cmpd 56180, +MS2(636.8481), 31.9eV, 66.223-66.229min, 1/K0=0.843  
Cmpd 55051, +MS2(636.8482), 37.0eV, 65.754-65.756min, 1/K0=0.861  
Cmpd 55637, +MS2(636.8482), 37.0eV, 65.989-65.991min, 1/K0=0.876  
Cmpd 56173, +MS2(636.8484), 31.9eV, 66.2min, 1/K0=0.854 #33309  
Cmpd 81899, +MS2(693.8554), 37.0eV, 75.6min, 1/K0=0.907 #38249  
Cmpd 59916, +MS2(727.3386), 37.0eV, 67.6min, 1/K0=0.907 #34036  
Cmpd 60060, +MS2(727.3389), 37.0eV, 67.7min, 1/K0=0.901 #34068  
Cmpd 61205, +MS2(727.3391), 37.0eV, 68.1min, 1/K0=0.898 #34289  
Cmpd 74305, +MS2(602.9716), 31.9eV, 72.882-72.889min, 1/K0=0.790  
Cmpd 60861, +MS2(668.3113), 31.9eV, 68.0min, 1/K0=0.792 #34224  
Cmpd 113392, +MS2(681.3584), 31.9eV, 86.4min, 1/K0=0.845 #43925  
Cmpd 73988, +MS2(683.6833), 31.9eV, 72.761-72.764min, 1/K0=0.817  
Cmpd 113485, +MS2(773.7306), 37.0eV, 86.4min, 1/K0=0.900 #43937

Cmpd 113306, +MS2(854.4411), 37.0eV, 86.4min, 1/K0=0.959 #43914  
Cmpd 113460, +MS2(854.4409), 37.0eV, 86.4min, 1/K0=0.958 #43935  
Cmpd 74138, +MS2(538.7716), 31.9eV, 72.8min, 1/K0=0.799 #36786  
Cmpd 101061, +MS2(643.3234), 37.0eV, 82.8min, 1/K0=0.879 #42066  
Cmpd 33717, +MS2(672.8354), 37.0eV, 57.105-57.111min, 1/K0=0.940  
Cmpd 33310, +MS2(672.8358), 37.0eV, 56.9min, 1/K0=0.858 #28392  
Cmpd 33574, +MS2(672.8366), 31.9eV, 57.0min, 1/K0=0.852 #28458  
Cmpd 28494, +MS2(708.3456), 37.0eV, 54.6min, 1/K0=0.920 #27182  
Cmpd 28690, +MS2(708.3470), 37.0eV, 54.7min, 1/K0=0.905 #27238  
Cmpd 28683, +MS2(708.3477), 37.0eV, 54.7min, 1/K0=0.930 #27237  
Cmpd 28643, +MS2(708.3478), 37.0eV, 54.7min, 1/K0=0.917 #27226  
Cmpd 45371, +MS2(749.8435), 37.0eV, 61.883-61.885min, 1/K0=0.916  
Cmpd 45251, +MS2(749.8478), 37.0eV, 61.828-61.832min, 1/K0=0.916  
Cmpd 28604, +MS2(757.8792), 37.0eV, 54.7min, 1/K0=0.942 #27215  
Cmpd 101353, +MS2(509.5945), 31.9eV, 82.9min, 1/K0=0.733 #42120  
Cmpd 101236, +MS2(763.8981), 37.0eV, 82.9min, 1/K0=0.954 #42101  
Cmpd 28642, +MS2(814.4211), 37.0eV, 54.7min, 1/K0=0.962 #27226  
Cmpd 28726, +MS2(814.4211), 37.0eV, 54.7min, 1/K0=0.948 #27248  
Cmpd 28513, +MS2(543.2819), 31.9eV, 54.635-54.639min, 1/K0=0.722  
Cmpd 57865, +MS2(620.3003), 31.9eV, 66.828-66.830min, 1/K0=0.814  
Cmpd 58997, +MS2(620.3039), 31.9eV, 67.2min, 1/K0=0.817 #33848  
Cmpd 58198, +MS2(691.0210), 37.0eV, 67.0min, 1/K0=0.871 #33705  
Cmpd 57858, +MS2(691.0199), 37.0eV, 66.8min, 1/K0=0.868 #33628  
Cmpd 40734, +MS2(836.4086), 37.0eV, 60.04-60.05min, 1/K0=0.989 #40734  
Cmpd 40990, +MS2(836.4099), 37.0eV, 60.154-60.156min, 1/K0=0.975  
Cmpd 85820, +MS2(564.3404), 31.9eV, 77.083-77.085min, 1/K0=0.835  
Cmpd 38699, +MS2(805.8950), 37.0eV, 59.180-59.184min, 1/K0=0.974  
Cmpd 38446, +MS2(805.8978), 37.0eV, 59.076-59.078min, 1/K0=0.950  
Cmpd 39404, +MS2(805.8993), 37.0eV, 59.496-59.498min, 1/K0=0.956  
Cmpd 67333, +MS2(826.9210), 37.0eV, 70.4min, 1/K0=0.996 #35498  
Cmpd 103161, +MS2(898.4611), 42.0eV, 83.610-83.614min, 1/K0=1.08  
Cmpd 102982, +MS2(1005.5217), 42.0eV, 83.537-83.538min, 1/K0=1.1  
Cmpd 45337, +MS2(720.0320), 31.9eV, 61.866-61.872min, 1/K0=0.837  
Cmpd 103080, +MS2(737.0475), 37.0eV, 83.6min, 1/K0=0.902 #42450  
Cmpd 102959, +MS2(737.0455), 37.0eV, 83.529-83.531min, 1/K0=0.91  
Cmpd 107307, +MS2(958.5098), 42.0eV, 84.9min, 1/K0=1.118 #43144  
Cmpd 107457, +MS2(958.5095), 42.0eV, 84.9min, 1/K0=1.119 #43165  
Cmpd 115584, +MS2(410.7384), 31.9eV, 86.98-86.99min, 1/K0=0.703 #115584  
Cmpd 37640, +MS2(707.8416), 37.0eV, 58.7min, 1/K0=0.946 #29349  
Cmpd 37450, +MS2(707.8417), 37.0eV, 58.6min, 1/K0=0.948 #29307  
Cmpd 37301, +MS2(707.8433), 37.0eV, 58.576-58.580min, 1/K0=0.954  
Cmpd 17735, +MS2(715.8347), 37.0eV, 48.9min, 1/K0=0.915 #24136  
Cmpd 17655, +MS2(715.8356), 37.0eV, 48.836-48.844min, 1/K0=0.929  
Cmpd 17597, +MS2(715.8386), 37.0eV, 48.797-48.798min, 1/K0=0.913  
Cmpd 115580, +MS2(740.3880), 37.0eV, 87.0min, 1/K0=0.943 #44210  
Cmpd 115698, +MS2(740.3880), 37.0eV, 87.0min, 1/K0=0.958 #44225  
Cmpd 84356, +MS2(769.3424), 37.0eV, 76.519-76.520min, 1/K0=0.955  
Cmpd 84248, +MS2(769.3430), 37.0eV, 76.5min, 1/K0=0.960 #38717

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Cmpd 84360, +MS2(854.3946), 37.0eV, 76.520-76.524min, 1/K0=1.030  
Cmpd 115665, +MS2(903.0047), 42.0eV, 87.002-87.004min, 1/K0=1.10  
Cmpd 84158, +MS2(1020.9790), 42.0eV, 76.454-76.456min, 1/K0=1.16  
Cmpd 84449, +MS2(1020.9780), 42.0eV, 76.6min, 1/K0=1.163 #38754  
Cmpd 84469, +MS2(1028.9753), 42.0eV, 76.558-76.566min, 1/K0=1.16  
Cmpd 59747, +MS2(1028.9796), 42.0eV, 67.534-67.540min, 1/K0=1.17  
Cmpd 18839, +MS2(546.2563), 31.9eV, 49.527-49.533min, 1/K0=0.782  
Cmpd 18073, +MS2(546.2569), 31.9eV, 49.1min, 1/K0=0.775 #24245  
Cmpd 78291, +MS2(681.8080), 37.0eV, 74.314-74.316min, 1/K0=0.876  
Cmpd 78391, +MS2(763.3400), 37.0eV, 74.352-74.355min, 1/K0=0.940  
Cmpd 11552, +MS2(786.8473), 37.0eV, 45.0min, 1/K0=0.927 #22078  
Cmpd 10768, +MS2(786.8476), 37.0eV, 44.482-44.487min, 1/K0=0.935  
Cmpd 10904, +MS2(786.8486), 37.0eV, 44.6min, 1/K0=0.928 #21858  
Cmpd 10825, +MS2(786.8485), 37.0eV, 44.5min, 1/K0=0.933 #21825  
Cmpd 13385, +MS2(786.8471), 37.0eV, 46.21-46.22min, 1/K0=0.932 #2  
Cmpd 12157, +MS2(786.8488), 37.0eV, 45.423-45.425min, 1/K0=0.930  
Cmpd 122348, +MS2(793.8818), 37.0eV, 88.7min, 1/K0=0.965 #45113  
Cmpd 68955, +MS2(794.8570), 37.0eV, 70.930-70.932min, 1/K0=0.973  
Cmpd 78268, +MS2(898.9170), 37.0eV, 74.304-74.306min, 1/K0=1.029  
Cmpd 97401, +MS2(613.9639), 31.9eV, 81.5min, 1/K0=0.777 #41372  
Cmpd 68694, +MS2(922.9182), 37.0eV, 70.844-70.848min, 1/K0=1.039  
Cmpd 97054, +MS2(668.3182), 31.9eV, 81.407-81.413min, 1/K0=0.808  
Cmpd 97180, +MS2(722.6723), 31.9eV, 81.453-81.457min, 1/K0=0.826  
Cmpd 20806, +MS2(786.7050), 31.9eV, 50.580-50.584min, 1/K0=0.833  
Cmpd 97219, +MS2(813.0576), 37.0eV, 81.5min, 1/K0=0.878 #41340  
Cmpd 963, +MS2(557.2669), 31.9eV, 35.3min, 1/K0=0.801 #16877  
Cmpd 88674, +MS2(647.8417), 37.0eV, 78.230-78.232min, 1/K0=0.874  
Cmpd 86598, +MS2(647.8422), 37.0eV, 77.4min, 1/K0=0.873 #39195  
Cmpd 87633, +MS2(647.8424), 37.0eV, 77.8min, 1/K0=0.879 #39414  
Cmpd 86759, +MS2(647.8428), 37.0eV, 77.5min, 1/K0=0.856 #39228  
Cmpd 121197, +MS2(889.4249), 37.0eV, 88.4min, 1/K0=1.033 #44961  
Cmpd 90200, +MS2(1023.8256), 37.0eV, 78.8min, 1/K0=0.961 #39953  
Cmpd 90383, +MS2(1023.8275), 37.0eV, 78.9min, 1/K0=0.961 #39986  
Cmpd 91475, +MS2(1023.8304), 37.0eV, 79.3min, 1/K0=0.962 #40207  
Cmpd 92744, +MS2(1023.8326), 37.0eV, 79.808-79.810min, 1/K0=0.95  
Cmpd 83944, +MS2(553.3304), 31.9eV, 76.37-76.38min, 1/K0=0.828 #3  
Cmpd 58559, +MS2(603.2807), 37.0eV, 67.1min, 1/K0=0.873 #33770  
Cmpd 58603, +MS2(603.2809), 37.0eV, 67.104-67.110min, 1/K0=0.869  
Cmpd 59758, +MS2(603.2864), 37.0eV, 67.54-67.55min, 1/K0=0.868 #3  
Cmpd 41964, +MS2(621.3495), 37.0eV, 60.550-60.552min, 1/K0=0.899  
Cmpd 58726, +MS2(695.3420), 37.0eV, 67.150-67.152min, 1/K0=0.952  
Cmpd 86409, +MS2(778.4161), 37.0eV, 77.320-77.321min, 1/K0=0.959  
Cmpd 59905, +MS2(809.3986), 37.0eV, 67.597-67.599min, 1/K0=1.047  
Cmpd 58404, +MS2(809.4020), 37.0eV, 67.1min, 1/K0=1.051 #33749  
Cmpd 58807, +MS2(809.4021), 37.0eV, 67.2min, 1/K0=1.051 #33815  
Cmpd 58223, +MS2(809.4041), 37.0eV, 66.985-66.989min, 1/K0=1.049  
Cmpd 31719, +MS2(817.3913), 37.0eV, 56.225-56.235min, 1/K0=1.029  
Cmpd 112117, +MS2(854.9474), 42.0eV, 86.1min, 1/K0=1.109 #43762

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Cmpd 101116, +MS2(909.5118), 42.0eV, 82.868-82.870min, 1/K0=1.07  
Cmpd 92439, +MS2(928.4363), 37.0eV, 79.693-79.701min, 1/K0=1.047  
Cmpd 92329, +MS2(928.4383), 37.0eV, 79.7min, 1/K0=1.039 #40385  
Cmpd 3737, +MS2(544.8015), 31.9eV, 38.909-38.913min, 1/K0=0.802 #  
Cmpd 43156, +MS2(544.8191), 31.9eV, 61.1min, 1/K0=0.822 #30592  
Cmpd 42928, +MS2(544.8193), 31.9eV, 60.966-60.968min, 1/K0=0.809  
Cmpd 82545, +MS2(670.8817), 37.0eV, 75.8min, 1/K0=0.899 #38381  
Cmpd 82330, +MS2(670.8823), 37.0eV, 75.754-75.755min, 1/K0=0.897  
Cmpd 53765, +MS2(710.8823), 37.0eV, 65.277-65.280min, 1/K0=0.933  
Cmpd 65888, +MS2(939.9818), 42.0eV, 69.870-69.872min, 1/K0=1.120  
Cmpd 100012, +MS2(960.4806), 37.0eV, 82.433-82.435min, 1/K0=1.05  
Cmpd 100336, +MS2(960.4817), 42.0eV, 82.6min, 1/K0=1.082 #41922  
Cmpd 100039, +MS2(960.4813), 42.0eV, 82.4min, 1/K0=1.067 #41856  
Cmpd 99836, +MS2(960.4832), 42.0eV, 82.4min, 1/K0=1.068 #41812  
Cmpd 65722, +MS2(745.0651), 37.0eV, 69.822-69.824min, 1/K0=0.889  
Cmpd 65741, +MS2(1117.0935), 42.0eV, 69.828-69.832min, 1/K0=1.18  
Cmpd 48517, +MS2(750.3967), 37.0eV, 63.157-63.159min, 1/K0=0.874  
Cmpd 120374, +MS2(798.1108), 37.0eV, 88.2min, 1/K0=0.871 #44861  
Cmpd 51634, +MS2(619.8754), 37.0eV, 64.442-64.445min, 1/K0=0.879  
Cmpd 42762, +MS2(634.3702), 37.0eV, 60.9min, 1/K0=0.888 #30494  
Cmpd 57877, +MS2(671.8890), 37.0eV, 66.834-66.838min, 1/K0=0.927  
Cmpd 51532, +MS2(683.9064), 37.0eV, 64.393-64.396min, 1/K0=0.938  
Cmpd 51881, +MS2(749.4259), 37.0eV, 64.546-64.548min, 1/K0=0.996  
Cmpd 57745, +MS2(777.9714), 42.0eV, 66.785-66.787min, 1/K0=1.055  
Cmpd 57648, +MS2(777.9727), 37.0eV, 66.747-66.751min, 1/K0=1.033  
Cmpd 92227, +MS2(796.8580), 37.0eV, 79.614-79.616min, 1/K0=0.957  
Cmpd 51564, +MS2(829.8953), 37.0eV, 64.4min, 1/K0=0.971 #32353  
Cmpd 51274, +MS2(829.8956), 37.0eV, 64.281-64.285min, 1/K0=0.974  
Cmpd 32555, +MS2(893.9430), 37.0eV, 56.6min, 1/K0=1.015 #28228  
Cmpd 32424, +MS2(893.9426), 37.0eV, 56.5min, 1/K0=1.002 #28196  
Cmpd 32410, +MS2(893.9437), 37.0eV, 56.5min, 1/K0=1.016 #28194  
Cmpd 32278, +MS2(893.9442), 37.0eV, 56.473-56.477min, 1/K0=1.018  
Cmpd 81033, +MS2(670.0377), 31.9eV, 75.294-75.298min, 1/K0=0.845  
Cmpd 81607, +MS2(670.0385), 31.9eV, 75.5min, 1/K0=0.824 #38194  
Cmpd 81254, +MS2(670.0379), 31.9eV, 75.4min, 1/K0=0.845 #38128  
Cmpd 122508, +MS2(1357.8033), 47.0eV, 88.77-88.79min, 1/K0=1.319  
Cmpd 117467, +MS2(971.1444), 42.0eV, 87.5min, 1/K0=1.088 #44463  
Cmpd 38067, +MS2(568.8225), 31.9eV, 58.913-58.914min, 1/K0=0.841  
Cmpd 38016, +MS2(568.8231), 31.9eV, 58.9min, 1/K0=0.839 #29440  
Cmpd 30900, +MS2(608.3097), 37.0eV, 55.802-55.804min, 1/K0=0.856  
Cmpd 96839, +MS2(624.8469), 37.0eV, 81.339-81.340min, 1/K0=0.866  
Cmpd 65177, +MS2(665.3651), 37.0eV, 69.6min, 1/K0=0.926 #35113  
Cmpd 63924, +MS2(665.3657), 37.0eV, 69.164-69.172min, 1/K0=0.930  
Cmpd 64044, +MS2(665.3669), 37.0eV, 69.2min, 1/K0=0.930 #34893  
Cmpd 30995, +MS2(672.3371), 37.0eV, 55.8min, 1/K0=0.909 #27831  
Cmpd 88681, +MS2(694.8661), 37.0eV, 78.235-78.238min, 1/K0=0.896  
Cmpd 88887, +MS2(694.8666), 37.0eV, 78.3min, 1/K0=0.895 #39678  
Cmpd 30793, +MS2(480.9115), 31.9eV, 55.759-55.763min, 1/K0=0.748

	Cmpd 30876, +MS2(480.9103), 31.9eV, 55.789-55.791min, 1/K0=0.749
	Cmpd 49097, +MS2(743.4160), 37.0eV, 63.4min, 1/K0=0.967 #31824
	Cmpd 30830, +MS2(504.5882), 31.9eV, 55.772-55.781min, 1/K0=0.746
	Cmpd 31041, +MS2(504.5893), 31.9eV, 55.9min, 1/K0=0.741 #27842
	Cmpd 31690, +MS2(756.3818), 37.0eV, 56.210-56.216min, 1/K0=1.000
	Cmpd 30864, +MS2(756.3818), 37.0eV, 55.8min, 1/K0=1.000 #27798
	Cmpd 30725, +MS2(756.3819), 37.0eV, 55.725-55.729min, 1/K0=0.999
	Cmpd 81916, +MS2(1015.4650), 42.0eV, 75.60-75.61min, 1/K0=1.097 #
	Cmpd 116361, +MS2(836.1203), 37.0eV, 87.2min, 1/K0=1.014 #44315
	Cmpd 116429, +MS2(836.1228), 37.0eV, 87.2min, 1/K0=1.014 #44323
	Cmpd 41605, +MS2(591.8507), 31.9eV, 60.4min, 1/K0=0.842 #30241
	Cmpd 41544, +MS2(591.8508), 37.0eV, 60.4min, 1/K0=0.858 #30229
	Cmpd 55005, +MS2(666.3287), 37.0eV, 65.735-65.739min, 1/K0=0.867
	Cmpd 55059, +MS2(666.3294), 37.0eV, 65.757-65.759min, 1/K0=0.869
	Cmpd 54974, +MS2(666.3298), 37.0eV, 65.7min, 1/K0=0.890 #33045
	Cmpd 55385, +MS2(666.3331), 37.0eV, 65.9min, 1/K0=0.907 #33126
0.000200000000.0	Cmpd 18165, +MS2(674.3231), 37.0eV, 49.1min, 1/K0=0.886 #24278
0.000200000000.0	Cmpd 55012, +MS2(674.3260), 37.0eV, 65.7min, 1/K0=0.896 #33055
	Cmpd 114524, +MS2(720.4317), 37.0eV, 86.7min, 1/K0=0.942 #44071
	Cmpd 84653, +MS2(555.3136), 31.9eV, 76.631-76.637min, 1/K0=0.743
	Cmpd 84395, +MS2(625.6777), 31.9eV, 76.5min, 1/K0=0.757 #38743
	Cmpd 84683, +MS2(625.6787), 31.9eV, 76.6min, 1/K0=0.756 #38799
	Cmpd 100292, +MS2(864.7948), 37.0eV, 82.6min, 1/K0=0.917 #41911
	Cmpd 101420, +MS2(864.7956), 37.0eV, 83.0min, 1/K0=0.918 #42132
	Cmpd 100136, +MS2(864.7933), 37.0eV, 82.487-82.489min, 1/K0=0.91
	Cmpd 100158, +MS2(864.7980), 37.0eV, 82.5min, 1/K0=0.917 #41880
0.00000200000000000000000000.0	Cmpd 88862, +MS2(870.1272), 37.0eV, 78.3min, 1/K0=0.911 #39674
	Cmpd 74542, +MS2(754.9183), 37.0eV, 72.967-72.969min, 1/K0=0.945
	Cmpd 107597, +MS2(1105.9776), 42.0eV, 84.978-84.980min, 1/K0=1.1
	Cmpd 56289, +MS2(739.0733), 31.9eV, 66.275-66.278min, 1/K0=0.838
0.0000000020000000000000000000.0	Cmpd 85533, +MS2(1038.4294), 37.0eV, 76.966-76.969min, 1/K0=1.05
0.0000000000000000200000000000.0	Cmpd 82514, +MS2(1038.4340), 37.0eV, 75.831-75.835min, 1/K0=0.95
	Cmpd 107653, +MS2(1116.4800), 37.0eV, 85.0min, 1/K0=0.976 #43189
	Cmpd 107510, +MS2(1116.4803), 37.0eV, 85.0min, 1/K0=0.978 #43171
0.0000000000000000200000000000.0	Cmpd 82544, +MS2(1121.8145), 37.0eV, 75.847-75.848min, 1/K0=0.96
0.0000000000000000200000000000.0	Cmpd 82766, +MS2(1121.8143), 37.0eV, 75.9min, 1/K0=0.966 #38426
0.0000000020000000000000000000.0	Cmpd 85954, +MS2(1121.8159), 37.0eV, 77.1min, 1/K0=0.967 #39064
	Cmpd 99460, +MS2(1268.5576), 37.0eV, 82.2min, 1/K0=1.027 #41736
	Cmpd 99563, +MS2(1268.5602), 37.0eV, 82.3min, 1/K0=1.022 #41757
	Cmpd 99187, +MS2(1268.5598), 37.0eV, 82.116-82.118min, 1/K0=1.02
	Cmpd 99977, +MS2(1268.5585), 37.0eV, 82.422-82.424min, 1/K0=1.04
	Cmpd 99252, +MS2(1268.5567), 37.0eV, 82.138-82.140min, 1/K0=1.03
	Cmpd 53649, +MS2(591.8350), 37.0eV, 65.223-65.225min, 1/K0=0.886
	Cmpd 53793, +MS2(591.8354), 37.0eV, 65.3min, 1/K0=0.886 #32815
	Cmpd 54025, +MS2(591.8364), 37.0eV, 65.4min, 1/K0=0.869 #32860
	Cmpd 55161, +MS2(591.8369), 37.0eV, 65.799-65.801min, 1/K0=0.878
0.000200000000.0	Cmpd 31563, +MS2(599.8325), 37.0eV, 56.144-56.146min, 1/K0=0.877
	Cmpd 53881, +MS2(627.3546), 37.0eV, 65.3min, 1/K0=0.904 #32836

	Cmpd 4839, +MS2(644.3292), 37.0eV, 39.913-39.921min, 1/K0=0.886 #33319
	Cmpd 56203, +MS2(676.8880), 37.0eV, 66.2min, 1/K0=0.948 #33319
	Cmpd 53731, +MS2(676.8883), 37.0eV, 65.3min, 1/K0=0.954 #32803
	Cmpd 55843, +MS2(676.8891), 37.0eV, 66.071-66.074min, 1/K0=0.950
	Cmpd 53612, +MS2(676.8899), 37.0eV, 65.206-65.210min, 1/K0=0.955
	Cmpd 8101, +MS2(679.8444), 37.0eV, 42.612-42.619min, 1/K0=0.919 #33319
	Cmpd 8083, +MS2(679.8458), 37.0eV, 42.601-42.606min, 1/K0=0.915 #33319
	Cmpd 20036, +MS2(543.2929), 31.9eV, 50.1min, 1/K0=0.776 #24795
	Cmpd 20312, +MS2(543.2942), 31.9eV, 50.3min, 1/K0=0.787 #24895
	Cmpd 122713, +MS2(1203.6601), 47.0eV, 88.8min, 1/K0=1.325 #45167
	Cmpd 122750, +MS2(802.7756), 37.0eV, 88.840-88.845min, 1/K0=0.97
	Cmpd 122731, +MS2(802.7735), 37.0eV, 88.8min, 1/K0=0.935 #45168
	Cmpd 51445, +MS2(557.3373), 31.9eV, 64.355-64.357min, 1/K0=0.819
	Cmpd 49340, +MS2(557.3390), 31.9eV, 63.5min, 1/K0=0.812 #31879
	Cmpd 112565, +MS2(801.8965), 37.0eV, 86.2min, 1/K0=1.031 #43821
	Cmpd 112501, +MS2(845.4154), 37.0eV, 86.2min, 1/K0=1.046 #43814
	Cmpd 112485, +MS2(845.4139), 37.0eV, 86.2min, 1/K0=1.046 #43812
0.000002000000000.0	Cmpd 103713, +MS2(853.4111), 42.0eV, 83.777-83.784min, 1/K0=1.07
	Cmpd 112515, +MS2(909.9367), 42.0eV, 86.2min, 1/K0=1.067 #43815
	Cmpd 112500, +MS2(966.4799), 42.0eV, 86.2min, 1/K0=1.090 #43814
	Cmpd 112668, +MS2(817.3981), 37.0eV, 86.2min, 1/K0=0.931 #43834
0.000000000002000000000.0	Cmpd 103877, +MS2(822.7275), 37.0eV, 83.8min, 1/K0=0.953 #42583
	Cmpd 105557, +MS2(555.7726), 31.9eV, 84.4min, 1/K0=0.807 #42890
	Cmpd 105322, +MS2(555.7741), 31.9eV, 84.338-84.340min, 1/K0=0.79
	Cmpd 105307, +MS2(555.7737), 31.9eV, 84.3min, 1/K0=0.806 #42847
	Cmpd 9563, +MS2(563.8174), 31.9eV, 43.6min, 1/K0=0.793 #21352
	Cmpd 9484, +MS2(563.8182), 31.9eV, 43.6min, 1/K0=0.795 #21321
	Cmpd 58911, +MS2(606.3204), 31.9eV, 67.212-67.214min, 1/K0=0.838
	Cmpd 59052, +MS2(606.3227), 31.9eV, 67.3min, 1/K0=0.835 #33859
	Cmpd 2484, +MS2(665.3742), 37.0eV, 37.603-37.605min, 1/K0=0.867 #33319
	Cmpd 94300, +MS2(790.4292), 37.0eV, 80.4min, 1/K0=0.982 #40801
	Cmpd 57111, +MS2(813.3984), 37.0eV, 66.6min, 1/K0=1.014 #33513
	Cmpd 118999, +MS2(887.0090), 37.0eV, 87.860-87.862min, 1/K0=1.03
	Cmpd 119066, +MS2(887.0086), 37.0eV, 87.886-87.888min, 1/K0=1.04
	Cmpd 57092, +MS2(935.4592), 42.0eV, 66.6min, 1/K0=1.096 #33510
0.200000000000000000.0	Cmpd 48128, +MS2(943.4544), 37.0eV, 63.001-63.005min, 1/K0=1.031
	Cmpd 103085, +MS2(1193.0969), 42.0eV, 83.6min, 1/K0=1.189 #42451
	Cmpd 102928, +MS2(1193.0995), 42.0eV, 83.516-83.518min, 1/K0=1.1
	Cmpd 104324, +MS2(1193.0972), 42.0eV, 84.0min, 1/K0=1.195 #42670
	Cmpd 75278, +MS2(618.3710), 31.9eV, 73.245-73.246min, 1/K0=0.836
	Cmpd 17705, +MS2(664.8166), 37.0eV, 48.861-48.863min, 1/K0=0.871
	Cmpd 23895, +MS2(731.3279), 37.0eV, 52.203-52.207min, 1/K0=0.913
	Cmpd 23862, +MS2(731.3269), 37.0eV, 52.192-52.194min, 1/K0=0.912
	Cmpd 116047, +MS2(736.3984), 37.0eV, 87.1min, 1/K0=0.953 #44272
	Cmpd 57568, +MS2(817.3938), 37.0eV, 66.722-66.724min, 1/K0=1.047
	Cmpd 114609, +MS2(836.9924), 37.0eV, 86.728-86.732min, 1/K0=1.03
	Cmpd 84390, +MS2(850.4615), 37.0eV, 76.53-76.55min, 1/K0=1.008 #33319
	Cmpd 30381, +MS2(851.9034), 37.0eV, 55.553-55.557min, 1/K0=0.978

Cmpd 30364, +MS2(851.9042), 37.0eV, 55.542-55.544min, 1/K0=0.994  
Cmpd 96041, +MS2(852.9365), 37.0eV, 81.1min, 1/K0=0.996 #41141  
Cmpd 61150, +MS2(914.5097), 37.0eV, 68.1min, 1/K0=1.049 #34278  
Cmpd 84888, +MS2(637.9543), 31.9eV, 76.723-76.726min, 1/K0=0.769  
Cmpd 85343, +MS2(637.9566), 31.9eV, 76.897-76.901min, 1/K0=0.789  
Cmpd 62214, +MS2(652.0000), 37.0eV, 68.5min, 1/K0=0.861 #34487  
Cmpd 73970, +MS2(737.3904), 37.0eV, 72.8min, 1/K0=0.902 #36753  
Cmpd 42312, +MS2(804.0387), 37.0eV, 60.690-60.692min, 1/K0=0.862  
Cmpd 79155, +MS2(606.7977), 31.9eV, 74.647-74.649min, 1/K0=0.841  
Cmpd 87558, +MS2(627.2740), 31.9eV, 77.773-77.777min, 1/K0=0.851  
Cmpd 5009, +MS2(703.3682), 37.0eV, 40.115-40.117min, 1/K0=0.914 #  
Cmpd 72916, +MS2(572.6527), 31.9eV, 72.4min, 1/K0=0.814 #36555  
Cmpd 72607, +MS2(572.6541), 31.9eV, 72.286-72.288min, 1/K0=0.817  
Cmpd 65237, +MS2(590.6123), 31.9eV, 69.7min, 1/K0=0.784 #35124  
Cmpd 121403, +MS2(934.0384), 42.0eV, 88.5min, 1/K0=1.101 #44988  
Cmpd 65052, +MS2(623.6348), 31.9eV, 69.589-69.593min, 1/K0=0.802  
Cmpd 65189, +MS2(647.3144), 31.9eV, 69.6min, 1/K0=0.825 #35114  
Cmpd 97854, +MS2(652.9604), 31.9eV, 81.689-81.691min, 1/K0=0.772  
Cmpd 79006, +MS2(671.9938), 31.9eV, 74.6min, 1/K0=0.830 #37721  
Cmpd 65131, +MS2(732.6865), 37.0eV, 69.6min, 1/K0=0.860 #35104  
Cmpd 78798, +MS2(739.0187), 31.9eV, 74.522-74.524min, 1/K0=0.846  
Cmpd 64856, +MS2(814.7309), 37.0eV, 69.505-69.509min, 1/K0=0.871  
Cmpd 65031, +MS2(814.7325), 37.0eV, 69.6min, 1/K0=0.873 #35081  
Cmpd 4782, +MS2(579.3092), 37.0eV, 39.848-39.850min, 1/K0=0.870 #  
Cmpd 4773, +MS2(579.3100), 37.0eV, 39.842-39.844min, 1/K0=0.871 #  
Cmpd 4705, +MS2(694.8386), 37.0eV, 39.768-39.771min, 1/K0=0.904 #  
Cmpd 5145, +MS2(463.5632), 31.9eV, 40.241-40.248min, 1/K0=0.755 #  
Cmpd 4672, +MS2(694.8432), 37.0eV, 39.730-39.739min, 1/K0=0.948 #  
Cmpd 4742, +MS2(463.5648), 31.9eV, 39.8min, 1/K0=0.755 #19306  
Cmpd 5125, +MS2(694.8443), 37.0eV, 40.22-40.24min, 1/K0=0.947 #19  
Cmpd 4739, +MS2(694.8444), 37.0eV, 39.8min, 1/K0=0.950 #19306  
Cmpd 4817, +MS2(694.8445), 37.0eV, 39.9min, 1/K0=0.912 #19350  
Cmpd 107563, +MS2(831.0490), 37.0eV, 85.0min, 1/K0=0.886 #43177  
0.0020000000000000000000.0 Cmpd 101386, +MS2(836.3835), 37.0eV, 82.961-82.963min, 1/K0=0.88  
0.0020000000000000000000.0 Cmpd 102522, +MS2(836.3830), 37.0eV, 83.382-83.384min, 1/K0=0.88  
Cmpd 42898, +MS2(578.8728), 37.0eV, 60.951-60.953min, 1/K0=0.860  
Cmpd 41741, +MS2(578.8729), 31.9eV, 60.463-60.465min, 1/K0=0.853  
Cmpd 41926, +MS2(578.8744), 31.9eV, 60.5min, 1/K0=0.854 #30306  
Cmpd 77270, +MS2(579.8192), 31.9eV, 73.9min, 1/K0=0.828 #37369  
Cmpd 76176, +MS2(615.3388), 31.9eV, 73.580-73.582min, 1/K0=0.832  
Cmpd 3889, +MS2(615.8302), 31.9eV, 39.1min, 1/K0=0.829 #18911  
Cmpd 80959, +MS2(658.8547), 37.0eV, 75.262-75.271min, 1/K0=0.861  
Cmpd 75663, +MS2(658.8544), 37.0eV, 73.4min, 1/K0=0.858 #37085  
Cmpd 75655, +MS2(658.8547), 37.0eV, 73.4min, 1/K0=0.873 #37084  
Cmpd 77029, +MS2(658.8549), 37.0eV, 73.8min, 1/K0=0.870 #37324  
Cmpd 79234, +MS2(658.8550), 37.0eV, 74.7min, 1/K0=0.871 #37764  
Cmpd 75753, +MS2(658.8551), 37.0eV, 73.4min, 1/K0=0.868 #37104  
Cmpd 78126, +MS2(658.8552), 37.0eV, 74.3min, 1/K0=0.868 #37544

Cmpd 112842, +MS2(802.9052), 37.0eV, 86.3min, 1/K0=0.967 #43855  
Cmpd 28531, +MS2(567.9605), 31.9eV, 54.6min, 1/K0=0.802 #27193  
Cmpd 28326, +MS2(567.9603), 31.9eV, 54.521-54.522min, 1/K0=0.806  
Cmpd 30360, +MS2(634.8336), 31.9eV, 55.5min, 1/K0=0.850 #27667  
Cmpd 68997, +MS2(759.8345), 37.0eV, 70.939-70.941min, 1/K0=0.935  
Cmpd 75010, +MS2(791.3886), 37.0eV, 73.134-73.136min, 1/K0=0.928  
Cmpd 41833, +MS2(833.4172), 37.0eV, 60.495-60.499min, 1/K0=1.051  
Cmpd 80748, +MS2(847.4853), 37.0eV, 75.184-75.190min, 1/K0=1.021  
Cmpd 80956, +MS2(847.4846), 37.0eV, 75.3min, 1/K0=1.022 #38073  
Cmpd 87515, +MS2(589.3161), 31.9eV, 77.756-77.760min, 1/K0=0.810  
Cmpd 85764, +MS2(895.4720), 42.0eV, 77.058-77.062min, 1/K0=1.090  
Cmpd 60369, +MS2(911.5293), 42.0eV, 67.779-67.782min, 1/K0=1.061  
Cmpd 34572, +MS2(954.9129), 42.0eV, 57.402-57.408min, 1/K0=1.097  
Cmpd 34499, +MS2(954.9076), 42.0eV, 57.368-57.376min, 1/K0=1.113  
Cmpd 73853, +MS2(783.0321), 37.0eV, 72.7min, 1/K0=0.966 #36732  
Cmpd 22887, +MS2(541.2564), 31.9eV, 51.667-51.673min, 1/K0=0.804  
Cmpd 31858, +MS2(655.3457), 37.0eV, 56.3min, 1/K0=0.904 #28063  
Cmpd 32039, +MS2(655.3459), 37.0eV, 56.4min, 1/K0=0.889 #28099  
Cmpd 32023, +MS2(655.3485), 37.0eV, 56.4min, 1/K0=0.906 #28096  
Cmpd 121701, +MS2(763.9329), 37.0eV, 88.6min, 1/K0=0.963 #45025  
Cmpd 63487, +MS2(765.3638), 37.0eV, 69.0min, 1/K0=0.930 #34772  
Cmpd 95868, +MS2(918.9181), 42.0eV, 81.0min, 1/K0=1.064 #41109  
Cmpd 95880, +MS2(918.9204), 37.0eV, 81.0min, 1/K0=1.048 #41111  
Cmpd 116578, +MS2(641.3456), 31.9eV, 87.2min, 1/K0=0.832 #44342  
Cmpd 116441, +MS2(641.3434), 31.9eV, 87.202-87.207min, 1/K0=0.83  
Cmpd 121717, +MS2(643.0213), 37.0eV, 88.560-88.566min, 1/K0=0.89  
Cmpd 122390, +MS2(1154.1437), 42.0eV, 88.743-88.745min, 1/K0=1.1  
Cmpd 91650, +MS2(781.3851), 37.0eV, 79.383-79.385min, 1/K0=0.858  
Cmpd 118017, +MS2(906.4291), 37.0eV, 87.6min, 1/K0=0.927 #44531  
Cmpd 120109, +MS2(927.8284), 37.0eV, 88.2min, 1/K0=0.933 #44828  
Cmpd 120125, +MS2(927.8275), 37.0eV, 88.178-88.182min, 1/K0=0.95  
Cmpd 16932, +MS2(584.3591), 37.0eV, 48.385-48.387min, 1/K0=0.868  
Cmpd 48834, +MS2(592.3354), 31.9eV, 63.298-63.300min, 1/K0=0.828  
Cmpd 69994, +MS2(776.9502), 37.0eV, 71.3min, 1/K0=1.000 #35971  
Cmpd 69982, +MS2(776.9514), 37.0eV, 71.3min, 1/K0=1.001 #35970  
Cmpd 64778, +MS2(967.9999), 42.0eV, 69.475-69.483min, 1/K0=1.165  
Cmpd 87060, +MS2(1006.0282), 42.0eV, 77.6min, 1/K0=1.090 #39294  
Cmpd 85389, +MS2(691.7020), 31.9eV, 76.914-76.916min, 1/K0=0.853  
Cmpd 92966, +MS2(697.0245), 31.9eV, 79.895-79.899min, 1/K0=0.820  
Cmpd 92759, +MS2(697.0278), 37.0eV, 79.8min, 1/K0=0.903 #40470  
Cmpd 92544, +MS2(697.0276), 37.0eV, 79.735-79.736min, 1/K0=0.897  
Cmpd 55367, +MS2(709.3207), 31.9eV, 65.9min, 1/K0=0.779 #33123  
Cmpd 56331, +MS2(709.3233), 31.9eV, 66.290-66.291min, 1/K0=0.778  
Cmpd 39807, +MS2(714.6509), 31.9eV, 59.679-59.683min, 1/K0=0.793  
Cmpd 45005, +MS2(714.6541), 31.9eV, 61.724-61.726min, 1/K0=0.786  
Cmpd 46671, +MS2(613.8255), 31.9eV, 62.463-62.465min, 1/K0=0.830  
Cmpd 46802, +MS2(613.8257), 31.9eV, 62.5min, 1/K0=0.828 #31352  
Cmpd 31715, +MS2(653.8421), 37.0eV, 56.2min, 1/K0=0.875 #28029

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Cmpd 8307, +MS2(674.8173), 37.0eV, 42.78-42.79min, 1/K0=0.857 #20  
Cmpd 46746, +MS2(719.9040), 37.0eV, 62.5min, 1/K0=0.949 #31341  
Cmpd 26085, +MS2(821.9046), 37.0eV, 53.322-53.325min, 1/K0=1.014  
Cmpd 88003, +MS2(884.4570), 42.0eV, 77.955-77.961min, 1/K0=1.082  
Cmpd 26044, +MS2(906.9582), 42.0eV, 53.30-53.32min, 1/K0=1.074 #1  
Cmpd 87880, +MS2(927.9686), 42.0eV, 77.902-77.906min, 1/K0=1.103  
Cmpd 87898, +MS2(1106.0558), 42.0eV, 77.9min, 1/K0=1.239 #39469  
Cmpd 87863, +MS2(737.7100), 37.0eV, 77.9min, 1/K0=0.921 #39459  
Cmpd 87691, +MS2(1106.0603), 42.0eV, 77.828-77.834min, 1/K0=1.23  
Cmpd 84865, +MS2(905.7888), 37.0eV, 76.715-76.717min, 1/K0=1.054  
Cmpd 108655, +MS2(665.3791), 37.0eV, 85.239-85.241min, 1/K0=0.94  
Cmpd 108623, +MS2(821.9799), 42.0eV, 85.229-85.237min, 1/K0=1.09  
Cmpd 37795, +MS2(825.4298), 37.0eV, 58.790-58.797min, 1/K0=1.036  
Cmpd 34561, +MS2(960.0166), 42.0eV, 57.393-57.400min, 1/K0=1.062  
Cmpd 34419, +MS2(640.3478), 37.0eV, 57.3min, 1/K0=0.869 #28616  
Cmpd 34543, +MS2(640.3483), 37.0eV, 57.4min, 1/K0=0.870 #28645  
Cmpd 108417, +MS2(1007.0897), 42.0eV, 85.2min, 1/K0=1.226 #43286  
Cmpd 120167, +MS2(678.0692), 31.9eV, 88.192-88.194min, 1/K0=0.79  
Cmpd 120100, +MS2(678.0699), 31.9eV, 88.172-88.176min, 1/K0=0.78  
Cmpd 118877, +MS2(908.5506), 42.0eV, 87.827-87.829min, 1/K0=1.09  
Cmpd 65188, +MS2(635.3562), 37.0eV, 69.640-69.646min, 1/K0=0.882  
Cmpd 23489, +MS2(679.3731), 37.0eV, 52.016-52.022min, 1/K0=0.921  
Cmpd 99462, +MS2(697.8855), 37.0eV, 82.2min, 1/K0=0.925 #41736  
Cmpd 99512, +MS2(697.8860), 37.0eV, 82.2min, 1/K0=0.913 #41746  
Cmpd 61620, +MS2(789.4116), 37.0eV, 68.2min, 1/K0=1.017 #34376  
Cmpd 61400, +MS2(789.4125), 37.0eV, 68.161-68.163min, 1/K0=1.017  
Cmpd 65068, +MS2(808.4483), 37.0eV, 69.596-69.600min, 1/K0=1.033  
Cmpd 86691, +MS2(838.4494), 37.0eV, 77.4min, 1/K0=0.977 #39216  
Cmpd 86711, +MS2(838.4507), 37.0eV, 77.437-77.439min, 1/K0=1.002  
Cmpd 86569, +MS2(838.4514), 37.0eV, 77.380-77.384min, 1/K0=0.977  
Cmpd 61440, +MS2(602.0000), 37.0eV, 68.2min, 1/K0=0.859 #34342  
Cmpd 61451, +MS2(601.9991), 37.0eV, 68.2min, 1/K0=0.857 #34343  
Cmpd 61413, +MS2(902.4959), 42.0eV, 68.165-68.167min, 1/K0=1.113  
Cmpd 23489, +MS2(679.3731), 37.0eV, 52.016-52.022min, 1/K0=0.921  
Cmpd 23609, +MS2(635.3360), 37.0eV, 52.073-52.075min, 1/K0=0.930  
Cmpd 46540, +MS2(648.8320), 37.0eV, 62.412-62.414min, 1/K0=0.908  
Cmpd 48312, +MS2(790.8693), 37.0eV, 63.1min, 1/K0=0.947 #31649  
Cmpd 48087, +MS2(790.8729), 37.0eV, 63.0min, 1/K0=0.949 #31603  
Cmpd 48113, +MS2(790.8717), 37.0eV, 62.994-62.996min, 1/K0=0.948  
Cmpd 19583, +MS2(798.8712), 37.0eV, 49.925-49.931min, 1/K0=0.940  
Cmpd 45630, +MS2(920.9277), 37.0eV, 62.004-62.008min, 1/K0=1.016  
Cmpd 45787, +MS2(920.9246), 37.0eV, 62.1min, 1/K0=1.014 #31121  
Cmpd 100548, +MS2(811.0839), 37.0eV, 82.7min, 1/K0=0.916 #41965  
Cmpd 100604, +MS2(811.0815), 37.0eV, 82.674-82.676min, 1/K0=0.91  
Cmpd 100458, +MS2(811.0833), 37.0eV, 82.619-82.621min, 1/K0=0.93  
Cmpd 78188, +MS2(557.7821), 31.9eV, 74.3min, 1/K0=0.791 #37555  
Cmpd 77636, +MS2(706.8650), 37.0eV, 74.065-74.067min, 1/K0=0.880  
Cmpd 77774, +MS2(706.8669), 37.0eV, 74.1min, 1/K0=0.879 #37470

Cmpd 77767, +MS2(706.8677), 37.0eV, 74.1min, 1/K0=0.903 #37469  
Cmpd 78033, +MS2(706.8681), 37.0eV, 74.2min, 1/K0=0.878 #37523  
Cmpd 96315, +MS2(777.8855), 37.0eV, 81.2min, 1/K0=0.933 #41186  
Cmpd 16669, +MS2(575.6491), 31.9eV, 48.2min, 1/K0=0.791 #23794  
Cmpd 16813, +MS2(575.6495), 31.9eV, 48.3min, 1/K0=0.776 #23838  
Cmpd 16899, +MS2(575.6504), 31.9eV, 48.4min, 1/K0=0.776 #23862  
Cmpd 17840, +MS2(904.3533), 37.0eV, 48.940-48.948min, 1/K0=0.989  
Cmpd 97631, +MS2(927.4705), 37.0eV, 81.6min, 1/K0=1.039 #41416  
Cmpd 96360, +MS2(927.4708), 37.0eV, 81.2min, 1/K0=1.050 #41196  
Cmpd 99033, +MS2(927.4660), 37.0eV, 82.057-82.059min, 1/K0=1.042  
Cmpd 93933, +MS2(929.4202), 37.0eV, 80.286-80.290min, 1/K0=1.053  
Cmpd 80413, +MS2(580.8210), 31.9eV, 75.062-75.069min, 1/K0=0.834  
Cmpd 80013, +MS2(685.8904), 37.0eV, 74.912-74.915min, 1/K0=0.927  
Cmpd 100529, +MS2(685.8916), 37.0eV, 82.6min, 1/K0=0.936 #41959  
Cmpd 80264, +MS2(685.8926), 37.0eV, 75.0min, 1/K0=0.930 #37940  
Cmpd 100716, +MS2(685.8931), 37.0eV, 82.7min, 1/K0=0.934 #41999  
Cmpd 78731, +MS2(685.8931), 37.0eV, 74.490-74.499min, 1/K0=0.927  
Cmpd 24700, +MS2(687.8073), 37.0eV, 52.605-52.609min, 1/K0=0.882  
Cmpd 24975, +MS2(687.8090), 37.0eV, 52.7min, 1/K0=0.883 #26181  
Cmpd 100730, +MS2(742.4358), 37.0eV, 82.724-82.726min, 1/K0=0.96  
Cmpd 79999, +MS2(799.4563), 37.0eV, 74.908-74.912min, 1/K0=0.988  
Cmpd 80217, +MS2(799.4582), 37.0eV, 75.0min, 1/K0=0.989 #37930  
Cmpd 116028, +MS2(849.4262), 37.0eV, 87.1min, 1/K0=0.992 #44269  
Cmpd 100670, +MS2(864.9809), 37.0eV, 82.7min, 1/K0=1.031 #41989  
Cmpd 109175, +MS2(962.0217), 42.0eV, 85.4min, 1/K0=1.105 #43385  
0.002000000000000000.0 Cmpd 92105, +MS2(647.0111), 31.9eV, 79.563-79.573min, 1/K0=0.776  
0.002000000000000000.0 Cmpd 92083, +MS2(970.0210), 42.0eV, 79.558-79.560min, 1/K0=1.110  
0.002000000000000000.0 Cmpd 92114, +MS2(970.0195), 42.0eV, 79.569-79.575min, 1/K0=1.110  
Cmpd 117327, +MS2(716.0506), 37.0eV, 87.433-87.435min, 1/K0=0.89  
Cmpd 112444, +MS2(1144.5788), 42.0eV, 86.192-86.202min, 1/K0=1.1  
Cmpd 117301, +MS2(781.4400), 37.0eV, 87.4min, 1/K0=0.870 #44440  
Cmpd 26617, +MS2(629.3399), 37.0eV, 53.554-53.558min, 1/K0=0.898  
Cmpd 26682, +MS2(722.3889), 37.0eV, 53.6min, 1/K0=0.978 #26643  
Cmpd 26516, +MS2(722.3892), 37.0eV, 53.5min, 1/K0=0.981 #26588  
Cmpd 39016, +MS2(615.9973), 31.9eV, 59.328-59.334min, 1/K0=0.836  
Cmpd 39269, +MS2(615.9984), 31.9eV, 59.4min, 1/K0=0.830 #29724  
Cmpd 71995, +MS2(648.0107), 37.0eV, 72.027-72.029min, 1/K0=0.877  
Cmpd 71734, +MS2(648.0133), 31.9eV, 71.929-71.933min, 1/K0=0.823  
Cmpd 92517, +MS2(1013.4705), 42.0eV, 79.725-79.727min, 1/K0=1.18  
Cmpd 92568, +MS2(1013.4718), 42.0eV, 79.7min, 1/K0=1.181 #40437  
Cmpd 92748, +MS2(1013.4732), 42.0eV, 79.8min, 1/K0=1.182 #40469  
Cmpd 92526, +MS2(1013.4741), 42.0eV, 79.729-79.736min, 1/K0=1.18  
Cmpd 100476, +MS2(1027.5339), 42.0eV, 82.631-82.634min, 1/K0=1.0  
Cmpd 100565, +MS2(1027.5337), 42.0eV, 82.659-82.665min, 1/K0=1.0  
Cmpd 100542, +MS2(1027.5329), 42.0eV, 82.653-82.655min, 1/K0=1.0  
Cmpd 89056, +MS2(804.0820), 37.0eV, 78.376-78.378min, 1/K0=0.910  
Cmpd 76294, +MS2(661.8446), 37.0eV, 73.6min, 1/K0=0.878 #37203  
Cmpd 22962, +MS2(662.3043), 37.0eV, 51.701-51.703min, 1/K0=0.865



Cmpd 11712, +MS2(740.3537), 37.0eV, 45.1min, 1/K0=0.913 #22133  
Cmpd 11638, +MS2(740.3567), 37.0eV, 45.059-45.064min, 1/K0=0.911  
Cmpd 32550, +MS2(782.9365), 37.0eV, 56.6min, 1/K0=0.954 #28227  
Cmpd 32142, +MS2(818.4028), 37.0eV, 56.403-56.409min, 1/K0=0.979  
Cmpd 63146, +MS2(820.9679), 37.0eV, 68.852-68.854min, 1/K0=1.034  
Cmpd 63383, +MS2(820.9714), 37.0eV, 69.0min, 1/K0=1.033 #34750  
Cmpd 23214, +MS2(574.3269), 31.9eV, 51.849-51.854min, 1/K0=0.807  
Cmpd 84075, +MS2(620.3590), 31.9eV, 76.422-76.423min, 1/K0=0.832  
Cmpd 17811, +MS2(626.9763), 31.9eV, 48.919-48.921min, 1/K0=0.774  
Cmpd 17697, +MS2(626.9760), 31.9eV, 48.9min, 1/K0=0.813 #24124  
Cmpd 17580, +MS2(626.9753), 31.9eV, 48.8min, 1/K0=0.813 #24090  
Cmpd 17591, +MS2(626.9757), 31.9eV, 48.795-48.797min, 1/K0=0.813  
Cmpd 84106, +MS2(658.0555), 31.9eV, 76.4min, 1/K0=0.841 #38690  
Cmpd 84146, +MS2(705.4141), 37.0eV, 76.4min, 1/K0=0.870 #38699  
Cmpd 85029, +MS2(696.3824), 37.0eV, 76.781-76.783min, 1/K0=0.921  
Cmpd 25500, +MS2(696.8550), 37.0eV, 53.017-53.023min, 1/K0=0.926  
Cmpd 42891, +MS2(711.8513), 37.0eV, 60.9min, 1/K0=0.907 #30526  
Cmpd 43387, +MS2(711.8522), 37.0eV, 61.2min, 1/K0=0.906 #30647  
Cmpd 25819, +MS2(760.3617), 37.0eV, 53.187-53.191min, 1/K0=0.920  
Cmpd 120886, +MS2(778.9319), 37.0eV, 88.4min, 1/K0=0.970 #44925  
Cmpd 87134, +MS2(1052.4546), 42.0eV, 77.602-77.612min, 1/K0=1.08  
Cmpd 87345, +MS2(1052.4531), 42.0eV, 77.7min, 1/K0=1.083 #39349  
Cmpd 90606, +MS2(1139.0787), 42.0eV, 79.0min, 1/K0=1.148 #40031  
Cmpd 90722, +MS2(1139.0774), 42.0eV, 79.0min, 1/K0=1.144 #40053  
Cmpd 79192, +MS2(791.6997), 37.0eV, 74.659-74.661min, 1/K0=0.924  
Cmpd 91923, +MS2(844.4609), 37.0eV, 79.485-79.489min, 1/K0=0.943  
Cmpd 15329, +MS2(558.2702), 31.9eV, 47.4min, 1/K0=0.782 #23354  
Cmpd 7890, +MS2(562.7892), 31.9eV, 42.5min, 1/K0=0.817 #20738  
Cmpd 81506, +MS2(616.8511), 37.0eV, 75.454-75.455min, 1/K0=0.877  
Cmpd 26736, +MS2(694.8495), 37.0eV, 53.6min, 1/K0=0.874 #26663  
Cmpd 24581, +MS2(694.8520), 37.0eV, 52.6min, 1/K0=0.884 #26083  
Cmpd 25563, +MS2(694.8523), 37.0eV, 53.0min, 1/K0=0.880 #26346  
Cmpd 24759, +MS2(694.8530), 37.0eV, 52.6min, 1/K0=0.880 #26126  
Cmpd 81492, +MS2(729.9393), 37.0eV, 75.45-75.46min, 1/K0=1.004 #40031  
Cmpd 81501, +MS2(729.9384), 37.0eV, 75.452-75.455min, 1/K0=0.981  
Cmpd 112130, +MS2(972.0303), 42.0eV, 86.113-86.114min, 1/K0=1.08  
0.002000000000000000.0 Cmpd 101534, +MS2(980.0286), 42.0eV, 83.0min, 1/K0=1.075 #42154  
0.002000000000000000.0 Cmpd 102736, +MS2(980.0310), 42.0eV, 83.444-83.446min, 1/K0=1.07  
Cmpd 105950, +MS2(1050.0838), 42.0eV, 84.5min, 1/K0=1.125 #42956  
Cmpd 38481, +MS2(577.8184), 37.0eV, 59.1min, 1/K0=0.870 #29544  
Cmpd 37010, +MS2(577.8196), 37.0eV, 58.451-58.453min, 1/K0=0.866  
Cmpd 38239, +MS2(577.8200), 37.0eV, 59.0min, 1/K0=0.872 #29491  
Cmpd 37255, +MS2(577.8207), 37.0eV, 58.6min, 1/K0=0.869 #29261  
0.00020000000.0 Cmpd 16893, +MS2(585.8173), 37.0eV, 48.362-48.368min, 1/K0=0.866  
Cmpd 37275, +MS2(613.3383), 37.0eV, 58.561-58.566min, 1/K0=0.884  
Cmpd 36964, +MS2(662.8792), 37.0eV, 58.4min, 1/K0=0.951 #29196  
Cmpd 37254, +MS2(662.8725), 37.0eV, 58.6min, 1/K0=0.954 #29261  
Cmpd 38212, +MS2(662.8725), 37.0eV, 58.975-58.977min, 1/K0=0.947

0.0000020000000.0	Cmpd 16959, +MS2(670.8695), 37.0eV, 48.403-48.409min, 1/K0=0.934
	Cmpd 72422, +MS2(790.9227), 37.0eV, 72.2min, 1/K0=1.022 #36466
	Cmpd 73686, +MS2(790.9236), 37.0eV, 72.656-72.660min, 1/K0=1.023
	Cmpd 72190, +MS2(790.9266), 37.0eV, 72.107-72.109min, 1/K0=1.021
	Cmpd 112894, +MS2(890.4672), 37.0eV, 86.3min, 1/K0=1.051 #43861
	Cmpd 15891, +MS2(1240.1854), 37.0eV, 47.781-47.783min, 1/K0=1.00
	Cmpd 15868, +MS2(1240.1846), 37.0eV, 47.772-47.775min, 1/K0=0.98
	Cmpd 16041, +MS2(1263.8624), 37.0eV, 47.864-47.866min, 1/K0=0.98
	Cmpd 16223, +MS2(1263.8621), 37.0eV, 48.0min, 1/K0=0.985 #23651
	Cmpd 16049, +MS2(1263.8648), 37.0eV, 47.868-47.874min, 1/K0=1.00
	Cmpd 14592, +MS2(708.8423), 37.0eV, 46.931-46.935min, 1/K0=0.940
1.000000000000000.0	Cmpd 62715, +MS2(820.4219), 37.0eV, 68.7min, 1/K0=0.979 #34596
1.000000000000000.0	Cmpd 62827, +MS2(820.4238), 37.0eV, 68.7min, 1/K0=1.012 #34621
1.000000000000000.0	Cmpd 62627, +MS2(820.4238), 37.0eV, 68.6min, 1/K0=0.993 #34574
1.000000000000000.0	Cmpd 62584, +MS2(820.4251), 37.0eV, 68.596-68.598min, 1/K0=0.979
	Cmpd 81074, +MS2(833.9350), 42.0eV, 75.305-75.315min, 1/K0=1.073
	Cmpd 81039, +MS2(833.9363), 42.0eV, 75.298-75.299min, 1/K0=1.074
	Cmpd 80985, +MS2(631.3245), 31.9eV, 75.273-75.279min, 1/K0=0.772
	Cmpd 80909, +MS2(631.3265), 31.9eV, 75.243-75.246min, 1/K0=0.797
	Cmpd 56383, +MS2(709.3839), 37.0eV, 66.3min, 1/K0=0.922 #33355
	Cmpd 75547, +MS2(743.7030), 37.0eV, 73.345-73.349min, 1/K0=0.924
	Cmpd 76386, +MS2(749.4098), 37.0eV, 73.6min, 1/K0=1.010 #37218
	Cmpd 12124, +MS2(489.2379), 31.9eV, 45.399-45.403min, 1/K0=0.743
	Cmpd 31125, +MS2(828.9286), 37.0eV, 55.918-55.925min, 1/K0=1.008
	Cmpd 31053, +MS2(828.9295), 37.0eV, 55.878-55.886min, 1/K0=1.010
	Cmpd 49949, +MS2(851.9235), 37.0eV, 63.753-63.756min, 1/K0=0.978
	Cmpd 50884, +MS2(851.9198), 37.0eV, 64.1min, 1/K0=0.998 #32201
	Cmpd 49975, +MS2(851.9233), 37.0eV, 63.8min, 1/K0=1.014 #32012
	Cmpd 49842, +MS2(851.9249), 37.0eV, 63.705-63.711min, 1/K0=1.019
	Cmpd 31013, +MS2(929.9688), 42.0eV, 55.857-55.865min, 1/K0=1.093
	Cmpd 31004, +MS2(620.3153), 31.9eV, 55.851-55.855min, 1/K0=0.817
	Cmpd 23414, +MS2(734.3695), 37.0eV, 51.971-51.973min, 1/K0=0.862
	Cmpd 74813, +MS2(625.3167), 31.9eV, 73.1min, 1/K0=0.855 #36917
	Cmpd 85182, +MS2(740.3683), 37.0eV, 76.8min, 1/K0=0.922 #38903
	Cmpd 85361, +MS2(740.3746), 37.0eV, 76.9min, 1/K0=0.929 #38939
	Cmpd 83819, +MS2(740.3768), 37.0eV, 76.32-76.34min, 1/K0=0.933 #38903
	Cmpd 80045, +MS2(816.9127), 37.0eV, 74.9min, 1/K0=0.975 #37897
	Cmpd 79413, +MS2(860.9676), 42.0eV, 74.722-74.723min, 1/K0=1.056
	Cmpd 78261, +MS2(860.9688), 37.0eV, 74.3min, 1/K0=1.042 #37568
	Cmpd 48311, +MS2(941.9011), 37.0eV, 63.075-63.079min, 1/K0=1.006
	Cmpd 46693, +MS2(941.9060), 37.0eV, 62.5min, 1/K0=1.007 #31330
	Cmpd 46486, +MS2(941.9053), 37.0eV, 62.389-62.391min, 1/K0=1.009
	Cmpd 48086, +MS2(941.9067), 37.0eV, 63.0min, 1/K0=1.005 #31603
0.00000000002000000.0	Cmpd 27306, +MS2(949.9016), 37.0eV, 53.940-53.944min, 1/K0=1.007
0.00000000002000000.0	Cmpd 27200, +MS2(949.9015), 37.0eV, 53.884-53.891min, 1/K0=1.005
	Cmpd 107734, +MS2(987.5748), 42.0eV, 85.0min, 1/K0=1.116 #43200
	Cmpd 90307, +MS2(811.4040), 37.0eV, 78.867-78.869min, 1/K0=0.928
	Cmpd 99032, +MS2(957.5197), 42.0eV, 82.057-82.059min, 1/K0=1.086

Cmpd 96859, +MS2(957.5253), 42.0eV, 81.3min, 1/K0=1.088 #41279  
Cmpd 96999, +MS2(957.5242), 42.0eV, 81.390-81.392min, 1/K0=1.063  
Cmpd 99066, +MS2(957.5261), 42.0eV, 82.07-82.09min, 1/K0=1.083 #4  
Cmpd 106418, +MS2(807.0480), 37.0eV, 84.7min, 1/K0=0.921 #43022  
Cmpd 106157, +MS2(807.0479), 37.0eV, 84.6min, 1/K0=0.920 #42984  
Cmpd 90153, +MS2(878.7597), 37.0eV, 78.812-78.813min, 1/K0=0.930  
Cmpd 102463, +MS2(590.3038), 37.0eV, 83.362-83.365min, 1/K0=0.85  
Cmpd 98726, +MS2(590.3039), 37.0eV, 81.948-81.950min, 1/K0=0.869  
Cmpd 99128, +MS2(590.3039), 37.0eV, 82.1min, 1/K0=0.863 #41669  
Cmpd 100198, +MS2(590.3041), 37.0eV, 82.5min, 1/K0=0.860 #41889  
Cmpd 111404, +MS2(1000.5223), 42.0eV, 85.9min, 1/K0=1.129 #43671  
Cmpd 115210, +MS2(682.6483), 31.9eV, 86.88-86.89min, 1/K0=0.827 #  
Cmpd 115111, +MS2(1023.4807), 42.0eV, 86.9min, 1/K0=1.108 #44146  
Cmpd 14085, +MS2(1053.9676), 37.0eV, 46.600-46.606min, 1/K0=1.03  
Cmpd 15698, +MS2(1053.9671), 42.0eV, 47.676-47.681min, 1/K0=1.06  
Cmpd 14149, +MS2(1053.9639), 42.0eV, 46.642-46.644min, 1/K0=1.07  
Cmpd 13383, +MS2(1053.9693), 42.0eV, 46.207-46.212min, 1/K0=1.06  
Cmpd 14436, +MS2(1053.9673), 42.0eV, 46.8min, 1/K0=1.062 #23046  
Cmpd 13439, +MS2(1053.9679), 42.0eV, 46.2min, 1/K0=1.062 #22738  
Cmpd 13500, +MS2(1053.9696), 42.0eV, 46.3min, 1/K0=1.062 #22760  
Cmpd 2472, +MS2(709.8611), 37.0eV, 37.588-37.592min, 1/K0=0.928 #  
Cmpd 2390, +MS2(760.3850), 37.0eV, 37.52-37.54min, 1/K0=0.966 #18  
Cmpd 2413, +MS2(760.3865), 37.0eV, 37.542-37.551min, 1/K0=0.973 #  
Cmpd 69321, +MS2(771.3822), 37.0eV, 71.1min, 1/K0=0.939 #35861  
Cmpd 69514, +MS2(771.3833), 37.0eV, 71.1min, 1/K0=0.942 #35894  
Cmpd 2529, +MS2(809.9193), 37.0eV, 37.7min, 1/K0=1.016 #18162  
Cmpd 2384, +MS2(809.9231), 37.0eV, 37.52-37.53min, 1/K0=1.013 #18  
Cmpd 1747, +MS2(824.4295), 37.0eV, 36.84-36.85min, 1/K0=1.000 #17  
Cmpd 1830, +MS2(824.4341), 37.0eV, 36.9min, 1/K0=1.001 #17777  
Cmpd 1813, +MS2(582.9778), 31.9eV, 36.9min, 1/K0=0.779 #17766  
Cmpd 2179, +MS2(582.9787), 31.9eV, 37.336-37.338min, 1/K0=0.775 #  
Cmpd 1740, +MS2(582.9799), 31.9eV, 36.825-36.827min, 1/K0=0.777 #  
Cmpd 2116, +MS2(873.9664), 42.0eV, 37.293-37.294min, 1/K0=1.056 #  
Cmpd 1776, +MS2(873.9668), 42.0eV, 36.881-36.883min, 1/K0=1.055 #  
Cmpd 1717, +MS2(873.9691), 37.0eV, 36.80-36.81min, 1/K0=1.054 #17  
Cmpd 79263, +MS2(782.3447), 37.0eV, 74.682-74.687min, 1/K0=0.948  
Cmpd 115934, +MS2(786.4132), 37.0eV, 87.1min, 1/K0=0.958 #44257  
Cmpd 78873, +MS2(875.3967), 37.0eV, 74.5min, 1/K0=0.982 #37698  
Cmpd 80459, +MS2(875.3985), 37.0eV, 75.077-75.079min, 1/K0=0.979  
Cmpd 79172, +MS2(875.4000), 37.0eV, 74.7min, 1/K0=0.982 #37753  
Cmpd 38035, +MS2(670.0164), 31.9eV, 58.9min, 1/K0=0.789 #29447  
Cmpd 38059, +MS2(670.0136), 31.9eV, 58.911-58.913min, 1/K0=0.788  
Cmpd 59123, +MS2(702.6572), 31.9eV, 67.29-67.30min, 1/K0=0.800 #4  
Cmpd 59354, +MS2(702.6579), 31.9eV, 67.4min, 1/K0=0.801 #33925  
Cmpd 79263, +MS2(782.3447), 37.0eV, 74.682-74.687min, 1/K0=0.948  
Cmpd 78873, +MS2(875.3967), 37.0eV, 74.5min, 1/K0=0.982 #37698  
Cmpd 80459, +MS2(875.3985), 37.0eV, 75.077-75.079min, 1/K0=0.979  
Cmpd 79172, +MS2(875.4000), 37.0eV, 74.7min, 1/K0=0.982 #37753

0.002000000000.0

Cmpd 80971, +MS2(968.4306), 37.0eV, 75.265-75.267min, 1/K0=1.029  
Cmpd 99426, +MS2(691.6962), 37.0eV, 82.205-82.215min, 1/K0=0.874  
Cmpd 59080, +MS2(760.6749), 37.0eV, 67.3min, 1/K0=0.866 #33863  
Cmpd 59133, +MS2(760.6757), 31.9eV, 67.296-67.298min, 1/K0=0.837  
Cmpd 37764, +MS2(558.8162), 31.9eV, 58.778-58.782min, 1/K0=0.830  
Cmpd 37714, +MS2(615.3558), 31.9eV, 58.758-58.759min, 1/K0=0.853  
Cmpd 37877, +MS2(615.3590), 31.9eV, 58.8min, 1/K0=0.851 #29406  
Cmpd 60807, +MS2(700.3724), 37.0eV, 67.934-67.936min, 1/K0=0.910  
Cmpd 37747, +MS2(714.4238), 37.0eV, 58.767-58.769min, 1/K0=0.956  
Cmpd 21496, +MS2(836.9216), 37.0eV, 50.841-50.845min, 1/K0=1.029  
Cmpd 66744, +MS2(969.4563), 42.0eV, 70.177-70.179min, 1/K0=1.060  
Cmpd 66816, +MS2(969.4566), 37.0eV, 70.2min, 1/K0=1.049 #35410  
Cmpd 103171, +MS2(911.1241), 37.0eV, 83.614-83.616min, 1/K0=0.93  
Cmpd 77120, +MS2(927.4388), 37.0eV, 73.873-73.875min, 1/K0=0.930  
Cmpd 39048, +MS2(596.8171), 31.9eV, 59.341-59.345min, 1/K0=0.827  
Cmpd 111879, +MS2(651.8381), 37.0eV, 86.047-86.049min, 1/K0=0.88  
Cmpd 78255, +MS2(659.8388), 37.0eV, 74.300-74.302min, 1/K0=0.883  
Cmpd 81709, +MS2(829.3873), 37.0eV, 75.5min, 1/K0=0.973 #38216  
Cmpd 82080, +MS2(829.3878), 37.0eV, 75.661-75.663min, 1/K0=1.003  
Cmpd 82190, +MS2(829.3899), 37.0eV, 75.7min, 1/K0=1.001 #38305  
Cmpd 82010, +MS2(829.3907), 37.0eV, 75.6min, 1/K0=0.974 #38270  
Cmpd 33266, +MS2(598.6122), 31.9eV, 56.9min, 1/K0=0.762 #28381  
Cmpd 33096, +MS2(598.6133), 31.9eV, 56.81-56.82min, 1/K0=0.757 #  
Cmpd 84058, +MS2(688.0056), 31.9eV, 76.412-76.414min, 1/K0=0.807  
Cmpd 112129, +MS2(1115.5553), 42.0eV, 86.113-86.114min, 1/K0=1.1  
Cmpd 32924, +MS2(692.8786), 37.0eV, 56.7min, 1/K0=0.901 #28305  
Cmpd 33270, +MS2(692.8798), 37.0eV, 56.9min, 1/K0=0.902 #28382  
Cmpd 33390, +MS2(692.8807), 37.0eV, 57.0min, 1/K0=0.906 #28414  
Cmpd 81169, +MS2(858.9214), 37.0eV, 75.336-75.340min, 1/K0=1.011  
Cmpd 63345, +MS2(860.8757), 37.0eV, 68.93-68.95min, 1/K0=1.046 #  
Cmpd 59005, +MS2(875.4385), 42.0eV, 67.247-67.248min, 1/K0=1.055  
Cmpd 105634, +MS2(905.4405), 37.0eV, 84.4min, 1/K0=1.026 #42903  
Cmpd 100422, +MS2(912.4523), 37.0eV, 82.606-82.608min, 1/K0=1.03  
Cmpd 100462, +MS2(912.4526), 37.0eV, 82.6min, 1/K0=1.030 #41947  
Cmpd 63301, +MS2(967.4316), 42.0eV, 68.914-68.920min, 1/K0=1.116  
Cmpd 121393, +MS2(1026.0646), 42.0eV, 88.483-88.488min, 1/K0=1.1  
Cmpd 40372, +MS2(547.8540), 31.9eV, 59.905-59.906min, 1/K0=0.826  
Cmpd 40440, +MS2(547.8548), 31.9eV, 59.925-59.927min, 1/K0=0.830  
Cmpd 71555, +MS2(792.8737), 37.0eV, 71.9min, 1/K0=0.935 #36281  
Cmpd 71441, +MS2(792.8743), 37.0eV, 71.817-71.822min, 1/K0=0.936  
Cmpd 72597, +MS2(792.8771), 37.0eV, 72.280-72.284min, 1/K0=0.941  
Cmpd 116422, +MS2(800.4183), 37.0eV, 87.2min, 1/K0=1.030 #44322  
Cmpd 24680, +MS2(606.9490), 31.9eV, 52.6min, 1/K0=0.809 #26106  
Cmpd 24532, +MS2(909.9211), 37.0eV, 52.530-52.533min, 1/K0=1.034  
Cmpd 24494, +MS2(606.9488), 31.9eV, 52.5min, 1/K0=0.814 #26061  
Cmpd 115629, +MS2(858.7857), 37.0eV, 87.0min, 1/K0=0.996 #44217  
Cmpd 88258, +MS2(730.9092), 37.0eV, 78.1min, 1/K0=0.962 #39547  
Cmpd 88047, +MS2(606.9950), 31.9eV, 78.0min, 1/K0=0.809 #39502

0.20000000000000000.0	Cmpd 88158, +MS2(909.9944), 42.0eV, 78.0min, 1/K0=1.065 #39525
0.20000000000000000.0	Cmpd 76607, +MS2(612.3243), 31.9eV, 73.696-73.698min, 1/K0=0.803
	Cmpd 76887, +MS2(917.9958), 37.0eV, 73.790-73.792min, 1/K0=1.051
	Cmpd 69664, +MS2(649.6937), 31.9eV, 71.2min, 1/K0=0.854 #35917
	Cmpd 112083, +MS2(1018.5246), 42.0eV, 86.1min, 1/K0=1.120 #43759
	Cmpd 21768, +MS2(754.3385), 31.9eV, 50.979-50.984min, 1/K0=0.819
	Cmpd 22409, +MS2(754.3380), 31.9eV, 51.387-51.391min, 1/K0=0.816
	Cmpd 112049, +MS2(1160.5945), 42.0eV, 86.091-86.093min, 1/K0=1.2
	Cmpd 112164, +MS2(1160.5951), 42.0eV, 86.1min, 1/K0=1.221 #43770
	Cmpd 48481, +MS2(435.2225), 31.9eV, 63.14-63.15min, 1/K0=0.702 #4
	Cmpd 2935, +MS2(605.2937), 37.0eV, 38.036-38.039min, 1/K0=0.859 #
	Cmpd 36225, +MS2(691.3985), 37.0eV, 58.1min, 1/K0=0.912 #29043
	Cmpd 37225, +MS2(772.9271), 37.0eV, 58.538-58.545min, 1/K0=0.970
	Cmpd 36174, +MS2(772.9286), 37.0eV, 58.1min, 1/K0=0.966 #29032
	Cmpd 36397, +MS2(591.3282), 31.9eV, 58.223-58.233min, 1/K0=0.804
	Cmpd 35990, +MS2(886.4925), 42.0eV, 58.057-58.063min, 1/K0=1.060
	Cmpd 36158, +MS2(886.4936), 42.0eV, 58.1min, 1/K0=1.062 #29030
	Cmpd 37284, +MS2(886.4949), 42.0eV, 58.568-58.574min, 1/K0=1.067
	Cmpd 41265, +MS2(605.3489), 31.9eV, 60.27-60.28min, 1/K0=0.787 #4
	Cmpd 41294, +MS2(681.0607), 31.9eV, 60.283-60.289min, 1/K0=0.831
	Cmpd 26488, +MS2(589.2692), 31.9eV, 53.492-53.499min, 1/K0=0.829
	Cmpd 51591, +MS2(631.3090), 31.9eV, 64.423-64.425min, 1/K0=0.847
	Cmpd 56674, +MS2(694.8976), 37.0eV, 66.4min, 1/K0=0.917 #33421
	Cmpd 116878, +MS2(694.9109), 37.0eV, 87.3min, 1/K0=0.906 #44381
	Cmpd 26411, +MS2(710.3330), 37.0eV, 53.5min, 1/K0=0.908 #26566
	Cmpd 113752, +MS2(813.4565), 42.0eV, 86.513-86.522min, 1/K0=1.05
	Cmpd 113890, +MS2(813.4564), 37.0eV, 86.5min, 1/K0=1.054 #43990
	Cmpd 106340, +MS2(836.9926), 37.0eV, 84.65-84.66min, 1/K0=1.005 #
	Cmpd 119852, +MS2(1094.5459), 42.0eV, 88.1min, 1/K0=1.178 #44796
	Cmpd 120009, +MS2(1094.5450), 42.0eV, 88.2min, 1/K0=1.175 #44816
	Cmpd 1997, +MS2(622.7939), 31.9eV, 37.169-37.171min, 1/K0=0.800 #
	Cmpd 2262, +MS2(673.3188), 31.9eV, 37.403-37.407min, 1/K0=0.850 #
	Cmpd 119700, +MS2(687.3815), 37.0eV, 88.072-88.076min, 1/K0=0.89
	Cmpd 111703, +MS2(691.8616), 37.0eV, 86.0min, 1/K0=0.899 #43707
	Cmpd 115188, +MS2(691.8615), 37.0eV, 86.9min, 1/K0=0.900 #44156
	Cmpd 115376, +MS2(691.8629), 37.0eV, 86.9min, 1/K0=0.922 #44180
	Cmpd 115196, +MS2(757.3832), 37.0eV, 86.9min, 1/K0=0.957 #44157
	Cmpd 115342, +MS2(757.3835), 37.0eV, 86.9min, 1/K0=0.957 #44177
	Cmpd 121217, +MS2(806.4219), 37.0eV, 88.440-88.443min, 1/K0=0.96
	Cmpd 115308, +MS2(813.9257), 37.0eV, 86.903-86.905min, 1/K0=1.00
	Cmpd 10851, +MS2(567.3024), 31.9eV, 44.6min, 1/K0=0.768 #21836
	Cmpd 10803, +MS2(567.3032), 31.9eV, 44.510-44.512min, 1/K0=0.768
	Cmpd 115206, +MS2(870.4672), 37.0eV, 86.9min, 1/K0=1.031 #44158
	Cmpd 115341, +MS2(870.4690), 37.0eV, 86.9min, 1/K0=1.035 #44177
	Cmpd 111409, +MS2(632.6775), 31.9eV, 85.9min, 1/K0=0.819 #43671
	Cmpd 55081, +MS2(952.4195), 37.0eV, 65.765-65.769min, 1/K0=1.025
0.0002000000000000.0	Cmpd 108944, +MS2(638.0083), 31.9eV, 85.3min, 1/K0=0.815 #43353
	Cmpd 34612, +MS2(621.8710), 37.0eV, 57.416-57.417min, 1/K0=0.871

Cmpd 78253, +MS2(908.4780), 37.0eV, 74.3min, 1/K0=1.031 #37567  
Cmpd 76938, +MS2(908.4781), 37.0eV, 73.803-73.805min, 1/K0=1.036  
Cmpd 77098, +MS2(908.4796), 37.0eV, 73.9min, 1/K0=1.023 #37337  
Cmpd 77139, +MS2(908.4805), 37.0eV, 73.9min, 1/K0=1.034 #37346  
Cmpd 24492, +MS2(868.0985), 37.0eV, 52.5min, 1/K0=0.929 #26061  
Cmpd 24392, +MS2(868.0988), 37.0eV, 52.5min, 1/K0=0.952 #26038  
Cmpd 24329, +MS2(868.0981), 37.0eV, 52.428-52.430min, 1/K0=0.934  
Cmpd 17744, +MS2(591.8260), 37.0eV, 48.883-48.885min, 1/K0=0.871  
Cmpd 30406, +MS2(595.8347), 31.9eV, 55.6min, 1/K0=0.834 #27678  
Cmpd 1460, +MS2(621.3515), 31.9eV, 36.5min, 1/K0=0.853 #17535  
Cmpd 37265, +MS2(684.8766), 37.0eV, 58.6min, 1/K0=0.961 #29262  
Cmpd 42208, +MS2(758.4011), 37.0eV, 60.6min, 1/K0=0.950 #30363  
Cmpd 49022, +MS2(758.4217), 37.0eV, 63.370-63.372min, 1/K0=0.921  
Cmpd 48996, +MS2(758.4224), 37.0eV, 63.4min, 1/K0=0.923 #31801  
Cmpd 28621, +MS2(825.9592), 37.0eV, 54.694-54.703min, 1/K0=1.049  
Cmpd 28527, +MS2(825.9614), 37.0eV, 54.64-54.66min, 1/K0=1.048 #2  
0.0000020000000000.0 Cmpd 72326, +MS2(861.9296), 37.0eV, 72.169-72.170min, 1/K0=0.993  
Cmpd 32246, +MS2(711.0389), 37.0eV, 56.5min, 1/K0=0.897 #28151  
Cmpd 37934, +MS2(605.2675), 31.9eV, 58.860-58.865min, 1/K0=0.834  
Cmpd 37835, +MS2(605.2687), 31.9eV, 58.8min, 1/K0=0.835 #29395  
Cmpd 59538, +MS2(776.8684), 37.0eV, 67.462-67.464min, 1/K0=0.994  
Cmpd 25695, +MS2(526.9530), 31.9eV, 53.114-53.121min, 1/K0=0.800  
Cmpd 56781, +MS2(872.7878), 37.0eV, 66.476-66.478min, 1/K0=0.979  
Cmpd 56281, +MS2(872.7907), 37.0eV, 66.269-66.271min, 1/K0=0.935  
Cmpd 56510, +MS2(872.7905), 37.0eV, 66.4min, 1/K0=1.036 #33386  
Cmpd 56239, +MS2(872.7878), 37.0eV, 66.250-66.254min, 1/K0=1.034  
Cmpd 56368, +MS2(872.7903), 37.0eV, 66.3min, 1/K0=0.939 #33353  
Cmpd 56315, +MS2(872.7912), 37.0eV, 66.3min, 1/K0=1.036 #33343  
Cmpd 56253, +MS2(872.7923), 37.0eV, 66.259-66.261min, 1/K0=0.939  
Cmpd 83269, +MS2(606.8264), 37.0eV, 76.120-76.129min, 1/K0=0.892  
Cmpd 83058, +MS2(606.8303), 37.0eV, 76.1min, 1/K0=0.893 #38489  
Cmpd 83288, +MS2(642.3456), 37.0eV, 76.1min, 1/K0=0.924 #38527  
Cmpd 82883, +MS2(642.3471), 37.0eV, 75.985-75.987min, 1/K0=0.921  
0.020000000000.0 Cmpd 58852, +MS2(650.3429), 37.0eV, 67.195-67.197min, 1/K0=0.913  
Cmpd 82802, +MS2(755.9122), 37.0eV, 75.9min, 1/K0=1.021 #38435  
Cmpd 84226, +MS2(755.9128), 37.0eV, 76.5min, 1/K0=1.020 #38712  
Cmpd 83067, +MS2(755.9135), 37.0eV, 76.1min, 1/K0=1.022 #38490  
0.00020000000000.0 Cmpd 58725, +MS2(763.9095), 37.0eV, 67.150-67.152min, 1/K0=1.027  
Cmpd 27353, +MS2(1009.9448), 37.0eV, 53.963-53.972min, 1/K0=1.03  
Cmpd 26375, +MS2(1009.9475), 37.0eV, 53.4min, 1/K0=1.041 #26557  
Cmpd 26189, +MS2(1009.9480), 37.0eV, 53.371-53.375min, 1/K0=1.04  
Cmpd 26142, +MS2(1009.9499), 37.0eV, 53.350-53.358min, 1/K0=1.04  
Cmpd 12320, +MS2(716.3308), 31.9eV, 45.6min, 1/K0=0.817 #22376  
Cmpd 12256, +MS2(716.3303), 31.9eV, 45.515-45.519min, 1/K0=0.817  
Cmpd 12291, +MS2(716.3316), 31.9eV, 45.543-45.545min, 1/K0=0.848  
Cmpd 80448, +MS2(627.3177), 31.9eV, 75.07-75.08min, 1/K0=0.852 #2  
Cmpd 17731, +MS2(688.8653), 37.0eV, 48.9min, 1/K0=0.893 #24135  
Cmpd 108627, +MS2(695.8531), 37.0eV, 85.229-85.237min, 1/K0=0.89

Cmpd 69662, +MS2(779.3533), 37.0eV, 71.166-71.167min, 1/K0=0.953  
Cmpd 80446, +MS2(784.4055), 37.0eV, 75.1min, 1/K0=0.972 #37974  
Cmpd 72461, +MS2(797.3717), 37.0eV, 72.2min, 1/K0=0.942 #36476  
Cmpd 73664, +MS2(797.3713), 37.0eV, 72.6min, 1/K0=0.942 #36697  
Cmpd 72473, +MS2(797.3737), 37.0eV, 72.231-72.233min, 1/K0=0.942  
Cmpd 75084, +MS2(797.3758), 37.0eV, 73.167-73.169min, 1/K0=0.940  
Cmpd 72932, +MS2(797.3853), 37.0eV, 72.382-72.390min, 1/K0=0.963  
Cmpd 39406, +MS2(614.6353), 31.9eV, 59.496-59.500min, 1/K0=0.775  
Cmpd 39281, +MS2(921.4534), 37.0eV, 59.436-59.441min, 1/K0=1.031  
Cmpd 112818, +MS2(1063.0291), 42.0eV, 86.279-86.285min, 1/K0=1.1  
0.00200000000000000000000000000000(Cmpd 101662, +MS2(1081.1945), 37.0eV, 83.055-83.060min, 1/K0=1.0  
Cmpd 79030, +MS2(486.7815), 31.9eV, 74.598-74.602min, 1/K0=0.777  
Cmpd 5693, +MS2(507.2822), 31.9eV, 40.7min, 1/K0=0.785 #19801  
Cmpd 80115, +MS2(515.2906), 31.9eV, 74.950-74.951min, 1/K0=0.802  
Cmpd 2064, +MS2(571.3306), 31.9eV, 37.248-37.249min, 1/K0=0.845 #  
Cmpd 80170, +MS2(571.8340), 31.9eV, 75.0min, 1/K0=0.853 #37921  
Cmpd 78739, +MS2(571.8359), 37.0eV, 74.494-74.498min, 1/K0=0.858  
Cmpd 78884, +MS2(571.8363), 37.0eV, 74.6min, 1/K0=0.859 #37699  
Cmpd 51194, +MS2(667.8186), 37.0eV, 64.243-64.245min, 1/K0=0.857  
Cmpd 51465, +MS2(667.8201), 31.9eV, 64.4min, 1/K0=0.854 #32330  
Cmpd 82073, +MS2(846.9308), 37.0eV, 75.7min, 1/K0=1.005 #38282  
Cmpd 105321, +MS2(630.6512), 31.9eV, 84.338-84.340min, 1/K0=0.83  
Cmpd 114670, +MS2(1114.1454), 42.0eV, 86.7min, 1/K0=1.230 #44090  
Cmpd 114647, +MS2(1114.1457), 42.0eV, 86.7min, 1/K0=1.234 #44088  
Cmpd 82443, +MS2(750.7296), 37.0eV, 75.8min, 1/K0=0.921 #38358  
Cmpd 82281, +MS2(1140.0029), 42.0eV, 75.7min, 1/K0=1.124 #38325  
Cmpd 82542, +MS2(1140.0009), 42.0eV, 75.847-75.856min, 1/K0=1.09  
Cmpd 106853, +MS2(1198.8742), 37.0eV, 84.789-84.790min, 1/K0=1.0  
Cmpd 79030, +MS2(486.7815), 31.9eV, 74.598-74.602min, 1/K0=0.777  
Cmpd 7156, +MS2(551.7699), 31.9eV, 41.992-41.995min, 1/K0=0.778 #  
Cmpd 1614, +MS2(615.8161), 31.9eV, 36.670-36.673min, 1/K0=0.846 #  
Cmpd 1548, +MS2(615.8182), 37.0eV, 36.6min, 1/K0=0.866 #17590  
Cmpd 1476, +MS2(615.8190), 37.0eV, 36.511-36.516min, 1/K0=0.866 #  
Cmpd 1917, +MS2(615.8176), 37.0eV, 37.057-37.064min, 1/K0=0.868 #  
Cmpd 53381, +MS2(643.8676), 37.0eV, 65.098-65.100min, 1/K0=0.903  
Cmpd 53547, +MS2(643.8697), 37.0eV, 65.2min, 1/K0=0.903 #32759  
Cmpd 661, +MS2(679.8674), 37.0eV, 34.13-34.14min, 1/K0=0.920 #162  
Cmpd 116780, +MS2(832.9582), 42.0eV, 87.287-87.288min, 1/K0=1.05  
Cmpd 116599, +MS2(876.4743), 42.0eV, 87.2min, 1/K0=1.077 #44344  
Cmpd 116638, +MS2(911.9947), 42.0eV, 87.253-87.255min, 1/K0=1.10  
Cmpd 108845, +MS2(688.0403), 31.9eV, 85.3min, 1/K0=0.815 #43341  
Cmpd 108695, +MS2(688.0414), 31.9eV, 85.2min, 1/K0=0.812 #43320  
Cmpd 116495, +MS2(1084.0572), 42.0eV, 87.218-87.220min, 1/K0=1.2  
Cmpd 120888, +MS2(726.7252), 31.9eV, 88.4min, 1/K0=0.841 #44925  
Cmpd 120135, +MS2(1174.0845), 42.0eV, 88.184-88.188min, 1/K0=1.2  
Cmpd 4931, +MS2(571.7661), 31.9eV, 40.0min, 1/K0=0.807 #19427  
Cmpd 30027, +MS2(607.3146), 37.0eV, 55.4min, 1/K0=0.856 #27590  
Cmpd 21935, +MS2(652.8484), 37.0eV, 51.103-51.108min, 1/K0=0.873

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Cmpd 22080, +MS2(652.8490), 37.0eV, 51.2min, 1/K0=0.879 #25368  
Cmpd 29859, +MS2(656.8521), 37.0eV, 55.3min, 1/K0=0.874 #27545  
Cmpd 28908, +MS2(686.3655), 37.0eV, 54.847-54.850min, 1/K0=0.911  
Cmpd 51953, +MS2(715.8731), 37.0eV, 64.6min, 1/K0=0.894 #32439  
Cmpd 34844, +MS2(855.3989), 37.0eV, 57.542-57.552min, 1/K0=1.045  
Cmpd 34784, +MS2(855.3966), 37.0eV, 57.506-57.512min, 1/K0=1.042  
Cmpd 35368, +MS2(855.3978), 37.0eV, 57.78-57.80min, 1/K0=1.004 #2  
Cmpd 28414, +MS2(622.6382), 31.9eV, 54.579-54.581min, 1/K0=0.796  
Cmpd 120305, +MS2(1086.8672), 37.0eV, 88.2min, 1/K0=1.007 #44854  
Cmpd 94922, +MS2(599.3687), 37.0eV, 80.695-80.699min, 1/K0=0.867  
Cmpd 20696, +MS2(688.8446), 37.0eV, 50.5min, 1/K0=0.902 #25004  
Cmpd 20711, +MS2(688.8455), 37.0eV, 50.524-50.527min, 1/K0=0.880  
Cmpd 20554, +MS2(688.8460), 37.0eV, 50.437-50.438min, 1/K0=0.903  
Cmpd 20624, +MS2(739.3663), 37.0eV, 50.5min, 1/K0=0.957 #24982  
Cmpd 59357, +MS2(749.9047), 37.0eV, 67.390-67.392min, 1/K0=0.984  
Cmpd 85759, +MS2(774.9026), 37.0eV, 77.1min, 1/K0=0.977 #39018  
Cmpd 20702, +MS2(795.9077), 37.0eV, 50.5min, 1/K0=0.989 #25005  
Cmpd 85526, +MS2(796.3622), 37.0eV, 76.960-76.964min, 1/K0=0.927  
Cmpd 109515, +MS2(872.4774), 42.0eV, 85.5min, 1/K0=1.106 #43429  
Cmpd 95663, +MS2(972.0456), 42.0eV, 80.950-80.954min, 1/K0=1.132  
Cmpd 95043, +MS2(688.3500), 31.9eV, 80.742-80.744min, 1/K0=0.818  
Cmpd 111451, +MS2(690.4249), 37.0eV, 85.9min, 1/K0=0.951 #43675  
Cmpd 79755, +MS2(697.8556), 37.0eV, 74.824-74.826min, 1/K0=0.909  
Cmpd 67964, +MS2(729.9007), 37.0eV, 70.603-70.605min, 1/K0=0.940  
Cmpd 28250, +MS2(738.8692), 37.0eV, 54.466-54.470min, 1/K0=0.928  
Cmpd 28324, +MS2(738.8700), 37.0eV, 54.5min, 1/K0=0.928 #27127  
Cmpd 80037, +MS2(812.4126), 37.0eV, 74.9min, 1/K0=0.972 #37896  
Cmpd 104852, +MS2(821.4697), 42.0eV, 84.2min, 1/K0=1.073 #42766  
Cmpd 104892, +MS2(821.4728), 42.0eV, 84.191-84.193min, 1/K0=1.07  
Cmpd 103314, +MS2(830.4260), 37.0eV, 83.654-83.656min, 1/K0=0.97  
Cmpd 82404, +MS2(860.4446), 37.0eV, 75.784-75.786min, 1/K0=1.010  
Cmpd 82536, +MS2(860.4450), 37.0eV, 75.8min, 1/K0=1.006 #38380  
Cmpd 25361, +MS2(869.4254), 37.0eV, 52.945-52.947min, 1/K0=0.970  
Cmpd 26534, +MS2(825.9047), 37.0eV, 53.511-53.516min, 1/K0=0.979  
Cmpd 26196, +MS2(825.9058), 37.0eV, 53.375-53.378min, 1/K0=0.959  
Cmpd 26332, +MS2(825.9080), 42.0eV, 53.429-53.437min, 1/K0=1.061  
Cmpd 26277, +MS2(825.9090), 42.0eV, 53.4min, 1/K0=1.062 #26536  
Cmpd 26234, +MS2(825.9089), 37.0eV, 53.393-53.397min, 1/K0=0.961  
Cmpd 88996, +MS2(833.7491), 37.0eV, 78.353-78.355min, 1/K0=0.913  
Cmpd 21122, +MS2(545.8092), 31.9eV, 50.731-50.737min, 1/K0=0.812  
Cmpd 33827, +MS2(685.8844), 37.0eV, 57.2min, 1/K0=0.891 #28524  
Cmpd 54516, +MS2(881.4313), 37.0eV, 65.545-65.547min, 1/K0=0.995  
Cmpd 54725, +MS2(881.4288), 37.0eV, 65.6min, 1/K0=0.992 #32991  
Cmpd 99392, +MS2(893.9120), 37.0eV, 82.2min, 1/K0=0.984 #41723  
Cmpd 99416, +MS2(893.9120), 37.0eV, 82.201-82.205min, 1/K0=0.983  
Cmpd 51763, +MS2(909.4646), 42.0eV, 64.497-64.502min, 1/K0=1.098  
Cmpd 63037, +MS2(923.4417), 37.0eV, 68.8min, 1/K0=1.028 #34673  
Cmpd 63061, +MS2(923.4418), 37.0eV, 68.818-68.819min, 1/K0=1.001



Cmpd 63160, +MS2(890.4411), 37.0eV, 68.860-68.865min, 1/K0=0.932  
Cmpd 23932, +MS2(669.8582), 37.0eV, 52.222-52.224min, 1/K0=0.888  
Cmpd 41484, +MS2(742.3708), 37.0eV, 60.363-60.364min, 1/K0=0.923  
Cmpd 41953, +MS2(925.4316), 37.0eV, 60.544-60.546min, 1/K0=1.007  
Cmpd 90649, +MS2(993.0210), 42.0eV, 79.00-79.01min, 1/K0=1.087 #4  
Cmpd 111929, +MS2(1081.1109), 42.0eV, 86.1min, 1/K0=1.195 #43738  
Cmpd 95671, +MS2(1055.1936), 37.0eV, 80.954-80.956min, 1/K0=0.96  
Cmpd 95654, +MS2(1055.1936), 37.0eV, 80.9min, 1/K0=0.978 #41067  
Cmpd 95919, +MS2(1055.1943), 37.0eV, 81.0min, 1/K0=0.976 #41119  
Cmpd 9257, +MS2(485.8048), 31.9eV, 43.426-43.430min, 1/K0=0.769 #  
Cmpd 41850, +MS2(910.4513), 37.0eV, 60.506-60.510min, 1/K0=1.025  
Cmpd 87776, +MS2(625.3452), 31.9eV, 77.861-77.863min, 1/K0=0.831  
Cmpd 83654, +MS2(706.3588), 37.0eV, 76.264-76.266min, 1/K0=0.867  
Cmpd 83927, +MS2(706.3591), 37.0eV, 76.4min, 1/K0=0.863 #38655  
Cmpd 83777, +MS2(706.3548), 31.9eV, 76.310-76.311min, 1/K0=0.813  
Cmpd 83636, +MS2(706.3636), 37.0eV, 76.3min, 1/K0=0.869 #38599  
Cmpd 90506, +MS2(647.3980), 31.9eV, 78.935-78.937min, 1/K0=0.855  
Cmpd 90772, +MS2(647.3976), 37.0eV, 79.0min, 1/K0=0.856 #40063  
Cmpd 5641, +MS2(701.8842), 37.0eV, 40.7min, 1/K0=0.980 #19779  
Cmpd 5551, +MS2(701.8847), 37.0eV, 40.608-40.610min, 1/K0=0.979 #  
Cmpd 46775, +MS2(709.3639), 37.0eV, 62.506-62.508min, 1/K0=0.900  
Cmpd 46924, +MS2(709.3676), 37.0eV, 62.6min, 1/K0=0.900 #31376  
Cmpd 90631, +MS2(742.3462), 37.0eV, 78.988-78.990min, 1/K0=0.915  
Cmpd 121118, +MS2(863.4274), 37.0eV, 88.4min, 1/K0=1.012 #44951  
Cmpd 60230, +MS2(878.4216), 37.0eV, 67.7min, 1/K0=1.021 #34102  
Cmpd 121117, +MS2(948.4768), 42.0eV, 88.4min, 1/K0=1.073 #44951  
Cmpd 90666, +MS2(724.3863), 31.9eV, 79.0min, 1/K0=0.828 #40042  
1.00000000000000000000.0 Cmpd 115664, +MS2(1107.0841), 42.0eV, 87.0min, 1/K0=1.180 #44222  
Cmpd 88385, +MS2(752.7325), 37.0eV, 78.111-78.112min, 1/K0=0.872  
Cmpd 88481, +MS2(752.7331), 37.0eV, 78.148-78.152min, 1/K0=0.886  
Cmpd 88147, +MS2(1128.5980), 47.0eV, 78.016-78.023min, 1/K0=1.28  
Cmpd 88214, +MS2(752.7358), 37.0eV, 78.0min, 1/K0=0.919 #39536  
Cmpd 88075, +MS2(752.7333), 37.0eV, 77.987-77.989min, 1/K0=0.921  
Cmpd 8209, +MS2(594.8177), 31.9eV, 42.7min, 1/K0=0.820 #20847  
Cmpd 8104, +MS2(594.8180), 31.9eV, 42.614-42.619min, 1/K0=0.823 #  
Cmpd 12461, +MS2(607.8558), 31.9eV, 45.7min, 1/K0=0.853 #22421  
Cmpd 41955, +MS2(630.8127), 31.9eV, 60.544-60.546min, 1/K0=0.844  
Cmpd 93680, +MS2(672.9051), 37.0eV, 80.188-80.194min, 1/K0=0.933  
Cmpd 59236, +MS2(758.3494), 37.0eV, 67.339-67.343min, 1/K0=0.945  
Cmpd 59163, +MS2(822.8688), 37.0eV, 67.307-67.309min, 1/K0=0.956  
Cmpd 59467, +MS2(879.4000), 37.0eV, 67.4min, 1/K0=1.023 #33949  
Cmpd 58946, +MS2(879.4175), 37.0eV, 67.22-67.24min, 1/K0=1.031 #4  
Cmpd 59422, +MS2(647.9823), 31.9eV, 67.4min, 1/K0=0.784 #33939  
Cmpd 59316, +MS2(647.9840), 31.9eV, 67.372-67.373min, 1/K0=0.805  
Cmpd 59024, +MS2(971.4774), 42.0eV, 67.256-67.258min, 1/K0=1.081  
Cmpd 59128, +MS2(971.4764), 42.0eV, 67.292-67.296min, 1/K0=1.083  
Cmpd 100256, +MS2(592.2687), 37.0eV, 82.5min, 1/K0=0.858 #41901  
Cmpd 99961, +MS2(592.2695), 31.9eV, 82.412-82.414min, 1/K0=0.851

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Cmpd 116674, +MS2(747.8798), 37.0eV, 87.3min, 1/K0=0.927 #44354  
Cmpd 116814, +MS2(747.8799), 37.0eV, 87.299-87.301min, 1/K0=0.92  
Cmpd 64576, +MS2(827.8530), 37.0eV, 69.403-69.405min, 1/K0=0.975  
Cmpd 63439, +MS2(827.8533), 37.0eV, 69.0min, 1/K0=0.982 #34761  
Cmpd 63296, +MS2(827.8544), 37.0eV, 68.913-68.914min, 1/K0=0.995  
Cmpd 45659, +MS2(835.8503), 37.0eV, 62.017-62.019min, 1/K0=0.975  
Cmpd 97648, +MS2(616.5974), 31.9eV, 81.61-81.62min, 1/K0=0.764 #4  
Cmpd 78772, +MS2(713.0181), 37.0eV, 74.5min, 1/K0=0.897 #37677  
Cmpd 78703, +MS2(713.0217), 37.0eV, 74.482-74.484min, 1/K0=0.896  
Cmpd 93677, +MS2(1185.5365), 42.0eV, 80.2min, 1/K0=1.170 #40668  
Cmpd 93104, +MS2(1185.5375), 42.0eV, 79.958-79.960min, 1/K0=1.15  
Cmpd 93290, +MS2(1185.5409), 42.0eV, 80.0min, 1/K0=1.150 #40591  
Cmpd 93605, +MS2(1185.5359), 42.0eV, 80.2min, 1/K0=1.183 #40652  
Cmpd 94659, +MS2(672.3083), 37.0eV, 80.6min, 1/K0=0.876 #40880  
Cmpd 7497, +MS2(733.8755), 37.0eV, 42.201-42.202min, 1/K0=0.911 #  
Cmpd 94628, +MS2(815.3792), 37.0eV, 80.578-80.580min, 1/K0=0.969  
Cmpd 94695, +MS2(605.9396), 31.9eV, 80.6min, 1/K0=0.744 #40888  
Cmpd 61927, +MS2(673.6300), 31.9eV, 68.350-68.352min, 1/K0=0.802  
Cmpd 62271, +MS2(673.6316), 31.9eV, 68.5min, 1/K0=0.804 #34497  
Cmpd 94923, +MS2(677.3051), 31.9eV, 80.695-80.699min, 1/K0=0.806  
Cmpd 72057, +MS2(843.4079), 37.0eV, 72.054-72.056min, 1/K0=0.899  
Cmpd 71087, +MS2(1250.5251), 37.0eV, 71.682-71.684min, 1/K0=0.97  
Cmpd 71165, +MS2(1250.5284), 37.0eV, 71.708-71.710min, 1/K0=0.97  
Cmpd 40028, +MS2(597.8060), 31.9eV, 59.770-59.776min, 1/K0=0.802  
Cmpd 41007, +MS2(597.8074), 31.9eV, 60.158-60.162min, 1/K0=0.819  
Cmpd 119713, +MS2(672.8687), 37.0eV, 88.078-88.080min, 1/K0=0.87  
Cmpd 35774, +MS2(694.3733), 37.0eV, 57.959-57.962min, 1/K0=0.900  
Cmpd 47188, +MS2(824.9411), 37.0eV, 62.7min, 1/K0=1.024 #31428  
Cmpd 119610, +MS2(643.0131), 31.9eV, 88.049-88.055min, 1/K0=0.81  
Cmpd 119630, +MS2(964.0262), 42.0eV, 88.057-88.058min, 1/K0=1.12  
Cmpd 119547, +MS2(966.5306), 37.0eV, 88.0min, 1/K0=0.980 #44755  
Cmpd 119659, +MS2(966.5309), 37.0eV, 88.1min, 1/K0=0.982 #44771  
Cmpd 49463, +MS2(559.7742), 31.9eV, 63.554-63.556min, 1/K0=0.799  
Cmpd 111019, +MS2(751.4041), 37.0eV, 85.823-85.827min, 1/K0=0.96  
Cmpd 111431, +MS2(808.4222), 37.0eV, 85.932-85.936min, 1/K0=1.02  
Cmpd 49141, +MS2(1058.0211), 42.0eV, 63.4min, 1/K0=1.096 #31835  
Cmpd 49002, +MS2(1058.0201), 42.0eV, 63.365-63.368min, 1/K0=1.09  
Cmpd 49335, +MS2(1058.0211), 42.0eV, 63.5min, 1/K0=1.099 #31879  
Cmpd 49655, +MS2(1058.0222), 42.0eV, 63.6min, 1/K0=1.084 #31945  
Cmpd 109613, +MS2(949.1619), 42.0eV, 85.5min, 1/K0=1.100 #43441  
Cmpd 90524, +MS2(670.3550), 37.0eV, 78.944-78.946min, 1/K0=0.891  
Cmpd 38846, +MS2(676.8715), 37.0eV, 59.247-59.256min, 1/K0=0.887  
Cmpd 37440, +MS2(676.8737), 37.0eV, 58.6min, 1/K0=0.891 #29305  
Cmpd 37410, +MS2(676.8755), 37.0eV, 58.623-58.625min, 1/K0=0.891  
Cmpd 17564, +MS2(740.9170), 37.0eV, 48.780-48.785min, 1/K0=0.940  
Cmpd 21183, +MS2(740.9189), 37.0eV, 50.8min, 1/K0=0.923 #25128  
Cmpd 21088, +MS2(740.9187), 37.0eV, 50.724-50.727min, 1/K0=0.953  
Cmpd 90592, +MS2(776.4296), 37.0eV, 78.971-78.973min, 1/K0=0.999

Cmpd 10477, +MS2(804.9677), 37.0eV, 44.28-44.30min, 1/K0=0.985 #1  
Cmpd 121953, +MS2(1141.1413), 47.0eV, 88.6min, 1/K0=1.299 #45059  
Cmpd 122007, +MS2(761.0981), 37.0eV, 88.636-88.638min, 1/K0=0.93  
Cmpd 121967, +MS2(907.8563), 37.0eV, 88.6min, 1/K0=1.046 #45060  
Cmpd 11327, +MS2(534.7831), 31.9eV, 44.9min, 1/K0=0.797 #22012  
Cmpd 10753, +MS2(534.7853), 31.9eV, 44.5min, 1/K0=0.797 #21792  
Cmpd 10670, +MS2(534.7864), 31.9eV, 44.4min, 1/K0=0.797 #21759  
Cmpd 2532, +MS2(566.8115), 31.9eV, 37.7min, 1/K0=0.820 #18162  
Cmpd 17978, +MS2(598.8343), 31.9eV, 49.027-49.028min, 1/K0=0.833  
Cmpd 104895, +MS2(641.8399), 37.0eV, 84.191-84.193min, 1/K0=0.86  
Cmpd 104621, +MS2(641.8411), 37.0eV, 84.1min, 1/K0=0.878 #42725  
Cmpd 17950, +MS2(655.8543), 37.0eV, 49.010-49.015min, 1/K0=0.872  
Cmpd 912, +MS2(666.3781), 37.0eV, 35.1min, 1/K0=0.918 #16790  
Cmpd 886, +MS2(666.3786), 37.0eV, 35.032-35.038min, 1/K0=0.917 #1  
Cmpd 885, +MS2(666.3808), 37.0eV, 35.0min, 1/K0=0.917 #16755  
Cmpd 17966, +MS2(721.3755), 37.0eV, 49.0min, 1/K0=0.907 #24212  
Cmpd 24453, +MS2(570.8364), 31.9eV, 52.490-52.492min, 1/K0=0.841  
Cmpd 24380, +MS2(570.8379), 31.9eV, 52.462-52.464min, 1/K0=0.846  
Cmpd 84608, +MS2(652.2911), 37.0eV, 76.614-76.616min, 1/K0=0.869  
Cmpd 76818, +MS2(713.3465), 37.0eV, 73.8min, 1/K0=0.906 #37286  
Cmpd 104767, +MS2(783.4029), 37.0eV, 84.1min, 1/K0=0.975 #42749  
Cmpd 104460, +MS2(783.4040), 37.0eV, 84.042-84.046min, 1/K0=0.97  
Cmpd 38180, +MS2(866.3809), 37.0eV, 58.964-58.966min, 1/K0=0.972  
Cmpd 71776, +MS2(919.4662), 37.0eV, 71.943-71.949min, 1/K0=1.027  
Cmpd 102760, +MS2(735.3890), 31.9eV, 83.5min, 1/K0=0.818 #42384  
Cmpd 102501, +MS2(735.3898), 31.9eV, 83.37-83.39min, 1/K0=0.816 #  
Cmpd 88437, +MS2(904.4327), 37.0eV, 78.133-78.135min, 1/K0=0.913  
Cmpd 9510, +MS2(568.8068), 31.9eV, 43.605-43.606min, 1/K0=0.838 #  
Cmpd 88842, +MS2(793.4198), 37.0eV, 78.293-78.294min, 1/K0=1.007  
Cmpd 50018, +MS2(832.4192), 37.0eV, 63.783-63.785min, 1/K0=1.023  
Cmpd 88721, +MS2(763.7243), 31.9eV, 78.2min, 1/K0=0.843 #39647  
Cmpd 88557, +MS2(763.7234), 37.0eV, 78.184-78.186min, 1/K0=0.863  
Cmpd 88534, +MS2(763.7241), 37.0eV, 78.179-78.181min, 1/K0=0.860  
Cmpd 88774, +MS2(1145.0848), 42.0eV, 78.272-78.279min, 1/K0=1.21  
Cmpd 28176, +MS2(638.8014), 37.0eV, 54.421-54.423min, 1/K0=0.872  
Cmpd 37880, +MS2(734.9091), 37.0eV, 58.831-58.837min, 1/K0=0.916  
Cmpd 36062, +MS2(905.4332), 42.0eV, 58.080-58.087min, 1/K0=1.066  
Cmpd 69218, +MS2(992.4804), 37.0eV, 71.021-71.029min, 1/K0=1.053  
Cmpd 69188, +MS2(992.4806), 37.0eV, 71.014-71.016min, 1/K0=1.053  
Cmpd 69121, +MS2(992.4820), 37.0eV, 70.987-70.991min, 1/K0=1.054  
Cmpd 105332, +MS2(600.2859), 31.9eV, 84.346-84.348min, 1/K0=0.82  
Cmpd 22874, +MS2(776.8671), 37.0eV, 51.7min, 1/K0=0.943 #25611  
Cmpd 22856, +MS2(776.8698), 37.0eV, 51.656-51.662min, 1/K0=0.968  
Cmpd 14053, +MS2(784.8637), 37.0eV, 46.580-46.587min, 1/K0=0.934  
Cmpd 100953, +MS2(1045.5120), 42.0eV, 82.808-82.811min, 1/K0=1.1  
Cmpd 101157, +MS2(1045.5113), 42.0eV, 82.887-82.889min, 1/K0=1.0  
Cmpd 105292, +MS2(1206.0863), 42.0eV, 84.332-84.336min, 1/K0=1.1  
Cmpd 105168, +MS2(1206.0862), 42.0eV, 84.3min, 1/K0=1.152 #42824

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Cmpd 45736, +MS2(789.9208), 37.0eV, 62.1min, 1/K0=0.961 #31110  
Cmpd 45726, +MS2(789.9215), 37.0eV, 62.1min, 1/K0=0.928 #31109  
Cmpd 45519, +MS2(789.9224), 37.0eV, 61.951-61.955min, 1/K0=0.960  
Cmpd 45524, +MS2(789.9231), 37.0eV, 62.0min, 1/K0=0.927 #31056  
Cmpd 45523, +MS2(789.9232), 37.0eV, 61.953-61.960min, 1/K0=0.973  
Cmpd 92756, +MS2(967.0357), 42.0eV, 79.812-79.818min, 1/K0=1.059  
Cmpd 94241, +MS2(1155.1980), 37.0eV, 80.4min, 1/K0=1.039 #40789  
Cmpd 94066, +MS2(1155.2030), 37.0eV, 80.345-80.349min, 1/K0=1.02  
Cmpd 94023, +MS2(1155.2019), 37.0eV, 80.3min, 1/K0=1.023 #40742  
Cmpd 88680, +MS2(915.4445), 37.0eV, 78.235-78.238min, 1/K0=0.964  
Cmpd 87632, +MS2(915.4462), 37.0eV, 77.8min, 1/K0=0.954 #39414  
Cmpd 88032, +MS2(915.4478), 37.0eV, 77.968-77.970min, 1/K0=0.974  
Cmpd 90622, +MS2(947.7951), 37.0eV, 78.980-78.982min, 1/K0=0.968  
Cmpd 90824, +MS2(947.7960), 37.0eV, 79.1min, 1/K0=0.972 #40074  
Cmpd 54082, +MS2(535.7927), 31.9eV, 65.391-65.393min, 1/K0=0.772  
Cmpd 53943, +MS2(585.3281), 31.9eV, 65.3min, 1/K0=0.813 #32847  
Cmpd 54198, +MS2(585.3287), 31.9eV, 65.4min, 1/K0=0.829 #32892  
Cmpd 53767, +MS2(585.3297), 31.9eV, 65.277-65.278min, 1/K0=0.815  
Cmpd 109603, +MS2(628.3441), 31.9eV, 85.480-85.488min, 1/K0=0.83  
Cmpd 109770, +MS2(628.3429), 31.9eV, 85.5min, 1/K0=0.838 #43462  
Cmpd 48769, +MS2(845.0354), 37.0eV, 63.264-63.266min, 1/K0=0.856  
Cmpd 42141, +MS2(726.3821), 37.0eV, 60.616-60.618min, 1/K0=0.971  
Cmpd 33477, +MS2(733.3850), 37.0eV, 57.0min, 1/K0=0.933 #28436  
Cmpd 76811, +MS2(629.6838), 31.9eV, 73.763-73.767min, 1/K0=0.837  
Cmpd 76974, +MS2(629.6832), 31.9eV, 73.8min, 1/K0=0.839 #37313  
Cmpd 78091, +MS2(629.6848), 31.9eV, 74.2min, 1/K0=0.842 #37535  
Cmpd 94810, +MS2(944.9420), 37.0eV, 80.6min, 1/K0=1.051 #40911  
Cmpd 86641, +MS2(1114.0455), 42.0eV, 77.410-77.412min, 1/K0=1.14  
Cmpd 62690, +MS2(795.0677), 31.9eV, 68.644-68.646min, 1/K0=0.850  
Cmpd 62700, +MS2(795.0679), 37.0eV, 68.653-68.655min, 1/K0=0.868  
Cmpd 62960, +MS2(795.0666), 31.9eV, 68.8min, 1/K0=0.848 #34652  
Cmpd 63009, +MS2(795.0689), 37.0eV, 68.8min, 1/K0=0.857 #34664  
Cmpd 67046, +MS2(594.3032), 31.9eV, 70.271-70.276min, 1/K0=0.843  
Cmpd 45744, +MS2(610.8469), 31.9eV, 62.1min, 1/K0=0.853 #31111  
Cmpd 45586, +MS2(610.8478), 31.9eV, 61.983-61.985min, 1/K0=0.854  
Cmpd 16145, +MS2(643.3800), 37.0eV, 47.9min, 1/K0=0.905 #23629  
Cmpd 22987, +MS2(667.8061), 37.0eV, 51.718-51.726min, 1/K0=0.888  
Cmpd 68101, +MS2(700.3802), 37.0eV, 70.647-70.649min, 1/K0=0.944  
Cmpd 66925, +MS2(700.3830), 37.0eV, 70.234-70.236min, 1/K0=0.951  
Cmpd 105115, +MS2(830.9561), 37.0eV, 84.269-84.271min, 1/K0=1.01  
Cmpd 74998, +MS2(948.4929), 37.0eV, 73.130-73.132min, 1/K0=0.963  
Cmpd 122777, +MS2(1186.9796), 47.0eV, 88.854-88.856min, 1/K0=1.2  
Cmpd 55434, +MS2(583.3123), 31.9eV, 65.894-65.896min, 1/K0=0.823  
Cmpd 54315, +MS2(583.3125), 31.9eV, 65.5min, 1/K0=0.831 #32914  
Cmpd 60696, +MS2(618.8027), 31.9eV, 67.9min, 1/K0=0.832 #34195  
Cmpd 56461, +MS2(636.3867), 37.0eV, 66.346-66.350min, 1/K0=0.922  
Cmpd 54489, +MS2(683.3711), 37.0eV, 65.5min, 1/K0=0.925 #32947  
Cmpd 55577, +MS2(683.3713), 37.0eV, 65.962-65.964min, 1/K0=0.920

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Cmpd 54134, +MS2(683.3728), 37.0eV, 65.4min, 1/K0=0.918 #32881  
Cmpd 72587, +MS2(918.4709), 37.0eV, 72.276-72.284min, 1/K0=0.871  
Cmpd 72510, +MS2(918.4734), 37.0eV, 72.248-72.250min, 1/K0=0.937  
Cmpd 72691, +MS2(918.4724), 37.0eV, 72.3min, 1/K0=0.937 #36522  
Cmpd 73898, +MS2(918.4727), 37.0eV, 72.7min, 1/K0=0.935 #36741  
Cmpd 47251, +MS2(659.3313), 37.0eV, 62.7min, 1/K0=0.872 #31438  
Cmpd 61157, +MS2(735.8990), 37.0eV, 68.1min, 1/K0=0.948 #34279  
Cmpd 61204, +MS2(735.8999), 37.0eV, 68.1min, 1/K0=0.950 #34289  
Cmpd 42297, +MS2(813.9479), 37.0eV, 60.683-60.690min, 1/K0=1.051  
Cmpd 59906, +MS2(888.4198), 37.0eV, 67.597-67.599min, 1/K0=0.996  
Cmpd 60505, +MS2(888.4215), 37.0eV, 67.830-67.832min, 1/K0=1.008  
Cmpd 102190, +MS2(1142.5766), 42.0eV, 83.3min, 1/K0=1.136 #42286  
Cmpd 102326, +MS2(762.0530), 37.0eV, 83.3min, 1/K0=0.945 #42311  
Cmpd 102832, +MS2(1142.5819), 42.0eV, 83.478-83.480min, 1/K0=1.1  
Cmpd 12055, +MS2(556.2562), 31.9eV, 45.352-45.356min, 1/K0=0.780  
Cmpd 46253, +MS2(577.7983), 31.9eV, 62.281-62.283min, 1/K0=0.823  
Cmpd 45209, +MS2(577.7986), 31.9eV, 61.8min, 1/K0=0.824 #30979  
Cmpd 108221, +MS2(750.8829), 37.0eV, 85.1min, 1/K0=0.981 #43260  
Cmpd 76026, +MS2(877.4642), 42.0eV, 73.527-73.529min, 1/K0=1.091  
Cmpd 74704, +MS2(877.4660), 42.0eV, 73.026-73.028min, 1/K0=1.096  
Cmpd 74913, +MS2(877.4655), 42.0eV, 73.1min, 1/K0=1.096 #36939  
Cmpd 111210, +MS2(928.4692), 42.0eV, 85.879-85.881min, 1/K0=1.08  
Cmpd 111203, +MS2(1001.9986), 42.0eV, 85.9min, 1/K0=1.144 #43645  
Cmpd 86861, +MS2(671.3426), 31.9eV, 77.499-77.505min, 1/K0=0.813  
Cmpd 86750, +MS2(671.3437), 31.9eV, 77.45-77.46min, 1/K0=0.821 #4  
Cmpd 54389, +MS2(599.3450), 31.9eV, 65.503-65.505min, 1/K0=0.855  
Cmpd 54280, +MS2(599.3459), 31.9eV, 65.463-65.468min, 1/K0=0.855  
Cmpd 56799, +MS2(651.8547), 37.0eV, 66.487-66.489min, 1/K0=0.877  
Cmpd 101887, +MS2(958.9810), 42.0eV, 83.1min, 1/K0=1.062 #42220  
Cmpd 101927, +MS2(958.9831), 42.0eV, 83.2min, 1/K0=1.082 #42230  
Cmpd 103093, +MS2(958.9801), 42.0eV, 83.580-83.582min, 1/K0=1.07  
Cmpd 101293, +MS2(958.9855), 42.0eV, 82.9min, 1/K0=1.073 #42110  
Cmpd 92041, +MS2(966.5096), 42.0eV, 79.5min, 1/K0=1.074 #40327  
Cmpd 104417, +MS2(714.7107), 31.9eV, 84.0min, 1/K0=0.825 #42687  
Cmpd 117359, +MS2(601.3458), 37.0eV, 87.443-87.447min, 1/K0=0.86  
Cmpd 115690, +MS2(601.3463), 37.0eV, 87.0min, 1/K0=0.866 #44224  
Cmpd 115745, +MS2(601.3482), 37.0eV, 87.0min, 1/K0=0.867 #44232  
Cmpd 117510, +MS2(628.8192), 37.0eV, 87.5min, 1/K0=0.860 #44467  
Cmpd 117390, +MS2(679.3431), 37.0eV, 87.5min, 1/K0=0.890 #44452  
Cmpd 115744, +MS2(714.9137), 37.0eV, 87.0min, 1/K0=0.925 #44232  
Cmpd 115990, +MS2(714.9155), 37.0eV, 87.1min, 1/K0=0.922 #44265  
Cmpd 119235, +MS2(1109.0543), 42.0eV, 87.943-87.949min, 1/K0=1.2  
Cmpd 30997, +MS2(538.3196), 31.9eV, 55.8min, 1/K0=0.765 #27831  
Cmpd 30306, +MS2(602.3506), 31.9eV, 55.5min, 1/K0=0.826 #27655  
Cmpd 37692, +MS2(629.8260), 31.9eV, 58.7min, 1/K0=0.844 #29361  
Cmpd 36513, +MS2(629.8270), 31.9eV, 58.3min, 1/K0=0.839 #29109  
Cmpd 36744, +MS2(629.8272), 37.0eV, 58.3min, 1/K0=0.862 #29151  
Cmpd 36899, +MS2(629.8291), 37.0eV, 58.4min, 1/K0=0.863 #29184

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Cmpd 31083, +MS2(675.8844), 37.0eV, 55.9min, 1/K0=0.886 #27854  
Cmpd 29950, +MS2(675.8851), 37.0eV, 55.4min, 1/K0=0.884 #27569  
Cmpd 30210, +MS2(675.8867), 37.0eV, 55.5min, 1/K0=0.887 #27634  
Cmpd 37790, +MS2(694.3491), 37.0eV, 58.8min, 1/K0=0.876 #29384  
Cmpd 36554, +MS2(694.3493), 37.0eV, 58.3min, 1/K0=0.890 #29118  
Cmpd 37407, +MS2(694.3498), 37.0eV, 58.6min, 1/K0=0.904 #29296  
Cmpd 37114, +MS2(512.2548), 31.9eV, 58.493-58.500min, 1/K0=0.704  
Cmpd 37412, +MS2(590.2867), 31.9eV, 58.623-58.631min, 1/K0=0.741  
Cmpd 36493, +MS2(884.9336), 37.0eV, 58.3min, 1/K0=1.008 #29107  
Cmpd 102937, +MS2(797.9199), 37.0eV, 83.5min, 1/K0=0.971 #42419  
Cmpd 103374, +MS2(797.9177), 37.0eV, 83.674-83.678min, 1/K0=1.02  
Cmpd 85270, +MS2(805.9126), 37.0eV, 76.870-76.872min, 1/K0=0.986  
Cmpd 41868, +MS2(943.9465), 42.0eV, 60.512-60.516min, 1/K0=1.071  
Cmpd 41854, +MS2(943.9463), 42.0eV, 60.508-60.510min, 1/K0=1.072  
Cmpd 54234, +MS2(778.0377), 37.0eV, 65.446-65.448min, 1/K0=0.930  
Cmpd 74651, +MS2(975.1293), 37.0eV, 73.005-73.007min, 1/K0=0.937  
Cmpd 74881, +MS2(975.1333), 37.0eV, 73.1min, 1/K0=0.943 #36930  
Cmpd 20266, +MS2(836.8915), 37.0eV, 50.287-50.293min, 1/K0=0.972  
Cmpd 20374, +MS2(836.8942), 37.0eV, 50.3min, 1/K0=0.973 #24916  
Cmpd 111772, +MS2(866.9512), 42.0eV, 86.018-86.020min, 1/K0=1.08  
Cmpd 87522, +MS2(846.4093), 37.0eV, 77.762-77.763min, 1/K0=0.874  
Cmpd 87754, +MS2(846.4104), 37.0eV, 77.9min, 1/K0=0.862 #39437  
Cmpd 87702, +MS2(846.4119), 37.0eV, 77.8min, 1/K0=0.881 #39426  
Cmpd 33688, +MS2(549.8406), 31.9eV, 57.088-57.092min, 1/K0=0.853  
Cmpd 33499, +MS2(642.8896), 37.0eV, 56.999-57.001min, 1/K0=0.923  
Cmpd 96697, +MS2(752.4106), 37.0eV, 81.3min, 1/K0=0.926 #41251  
Cmpd 96432, +MS2(752.4110), 37.0eV, 81.2min, 1/K0=0.928 #41208  
Cmpd 96255, +MS2(752.4114), 37.0eV, 81.152-81.154min, 1/K0=0.930  
Cmpd 74470, +MS2(703.6997), 31.9eV, 72.9min, 1/K0=0.813 #36851  
Cmpd 74199, +MS2(703.7005), 31.9eV, 72.8min, 1/K0=0.812 #36798  
Cmpd 65514, +MS2(626.8444), 31.9eV, 69.750-69.754min, 1/K0=0.849  
Cmpd 65681, +MS2(732.9253), 37.0eV, 69.8min, 1/K0=0.965 #35202  
Cmpd 60231, +MS2(748.3783), 37.0eV, 67.7min, 1/K0=0.974 #34102  
Cmpd 60071, +MS2(748.3798), 37.0eV, 67.663-67.665min, 1/K0=0.969  
Cmpd 53273, +MS2(810.9736), 37.0eV, 65.055-65.057min, 1/K0=0.991  
Cmpd 108473, +MS2(849.4872), 42.0eV, 85.194-85.196min, 1/K0=1.08  
Cmpd 108262, +MS2(1023.5613), 42.0eV, 85.1min, 1/K0=1.200 #43265  
Cmpd 108102, +MS2(1023.5601), 42.0eV, 85.1min, 1/K0=1.200 #43244  
Cmpd 120022, +MS2(614.8147), 31.9eV, 88.153-88.161min, 1/K0=0.84  
Cmpd 82501, +MS2(634.3313), 37.0eV, 75.8min, 1/K0=0.860 #38370  
Cmpd 107437, +MS2(873.4583), 37.0eV, 84.9min, 1/K0=1.015 #43162  
Cmpd 46643, +MS2(903.9479), 37.0eV, 62.450-62.452min, 1/K0=1.000  
Cmpd 47933, +MS2(903.9500), 37.0eV, 62.922-62.926min, 1/K0=0.998  
Cmpd 59397, +MS2(989.0056), 42.0eV, 67.409-67.411min, 1/K0=1.056  
Cmpd 87899, +MS2(1124.0485), 42.0eV, 77.91-77.92min, 1/K0=1.122 #  
Cmpd 88175, +MS2(1124.0486), 42.0eV, 78.023-78.029min, 1/K0=1.14  
Cmpd 49529, +MS2(797.4091), 31.9eV, 63.581-63.584min, 1/K0=0.854  
Cmpd 59008, +MS2(854.1079), 37.0eV, 67.247-67.254min, 1/K0=0.897

	Cmpd 19208, +MS2(576.3403), 31.9eV, 49.723-49.725min, 1/K0=0.843
	Cmpd 95477, +MS2(850.9365), 37.0eV, 80.887-80.889min, 1/K0=0.995
	Cmpd 94642, +MS2(850.9394), 37.0eV, 80.6min, 1/K0=0.991 #40877
	Cmpd 94397, +MS2(850.9398), 37.0eV, 80.5min, 1/K0=0.991 #40822
	Cmpd 71301, +MS2(876.9469), 37.0eV, 71.765-71.767min, 1/K0=1.044
	Cmpd 71345, +MS2(876.9512), 37.0eV, 71.780-71.785min, 1/K0=1.045
	Cmpd 71408, +MS2(876.9501), 37.0eV, 71.8min, 1/K0=1.045 #36256
	Cmpd 71440, +MS2(876.9523), 37.0eV, 71.817-71.822min, 1/K0=1.047
	Cmpd 88408, +MS2(1013.9923), 42.0eV, 78.1min, 1/K0=1.060 #39579
	Cmpd 107015, +MS2(667.3529), 37.0eV, 84.831-84.833min, 1/K0=0.91
	Cmpd 106987, +MS2(723.8978), 37.0eV, 84.8min, 1/K0=0.976 #43101
	Cmpd 94904, +MS2(806.8931), 37.0eV, 80.7min, 1/K0=0.978 #40933
	Cmpd 93903, +MS2(806.8938), 37.0eV, 80.3min, 1/K0=0.979 #40713
	Cmpd 107198, +MS2(844.4685), 42.0eV, 84.9min, 1/K0=1.089 #43132
	Cmpd 106960, +MS2(844.4700), 42.0eV, 84.8min, 1/K0=1.088 #43099
	Cmpd 107495, +MS2(568.8629), 37.0eV, 85.0min, 1/K0=0.884 #43168
	Cmpd 107574, +MS2(568.8640), 37.0eV, 85.0min, 1/K0=0.884 #43178
0.0200000000.0	Cmpd 84711, +MS2(576.8605), 37.0eV, 76.652-76.654min, 1/K0=0.887
	Cmpd 53122, +MS2(768.3412), 37.0eV, 65.004-65.006min, 1/K0=0.959
	Cmpd 54161, +MS2(768.3426), 37.0eV, 65.419-65.421min, 1/K0=0.955
0.0000200000000.0	Cmpd 28521, +MS2(776.3376), 37.0eV, 54.6min, 1/K0=0.933 #27192
0.0000200000000.0	Cmpd 28539, +MS2(776.3388), 37.0eV, 54.650-54.652min, 1/K0=0.933
0.0000200000000.0	Cmpd 29482, +MS2(776.3420), 37.0eV, 55.115-55.117min, 1/K0=0.927
	Cmpd 56131, +MS2(593.6054), 31.9eV, 66.203-66.208min, 1/K0=0.746
	Cmpd 55695, +MS2(889.9116), 37.0eV, 66.0min, 1/K0=0.995 #33199
	Cmpd 55953, +MS2(889.9130), 37.0eV, 66.1min, 1/K0=0.993 #33254
	Cmpd 45442, +MS2(572.3070), 31.9eV, 61.911-61.915min, 1/K0=0.790
	Cmpd 71192, +MS2(591.7589), 31.9eV, 71.720-71.723min, 1/K0=0.824
	Cmpd 71214, +MS2(641.2948), 37.0eV, 71.7min, 1/K0=0.857 #36213
	Cmpd 67060, +MS2(651.8701), 37.0eV, 70.276-70.278min, 1/K0=0.911
	Cmpd 66745, +MS2(651.8734), 37.0eV, 70.177-70.179min, 1/K0=0.893
	Cmpd 42194, +MS2(665.3402), 37.0eV, 60.6min, 1/K0=0.892 #30361
	Cmpd 43345, +MS2(665.3415), 37.0eV, 61.2min, 1/K0=0.873 #30636
	Cmpd 59050, +MS2(777.9030), 37.0eV, 67.3min, 1/K0=0.954 #33859
	Cmpd 58890, +MS2(777.9031), 37.0eV, 67.2min, 1/K0=0.955 #33828
	Cmpd 60127, +MS2(777.9088), 37.0eV, 67.7min, 1/K0=0.958 #34081
1.0000000000000000.0	Cmpd 45448, +MS2(859.4021), 37.0eV, 61.915-61.919min, 1/K0=0.867
	Cmpd 13202, +MS2(571.7988), 31.9eV, 46.088-46.090min, 1/K0=0.801
	Cmpd 13152, +MS2(571.7997), 31.9eV, 46.1min, 1/K0=0.818 #22639
	Cmpd 22227, +MS2(619.2906), 31.9eV, 51.274-51.279min, 1/K0=0.828
	Cmpd 47189, +MS2(729.9078), 37.0eV, 62.7min, 1/K0=0.947 #31428
	Cmpd 54715, +MS2(805.9640), 37.0eV, 65.6min, 1/K0=0.979 #32990
	Cmpd 43166, +MS2(717.3473), 31.9eV, 61.1min, 1/K0=0.806 #30594
	Cmpd 43125, +MS2(717.3494), 31.9eV, 61.1min, 1/K0=0.804 #30584
	Cmpd 43303, +MS2(717.3498), 31.9eV, 61.1min, 1/K0=0.806 #30625
	Cmpd 38395, +MS2(837.8960), 37.0eV, 59.1min, 1/K0=1.002 #29525
	Cmpd 38456, +MS2(837.8972), 37.0eV, 59.078-59.082min, 1/K0=1.002
	Cmpd 107141, +MS2(820.0848), 37.0eV, 84.9min, 1/K0=0.954 #43123

Cmpd 106969, +MS2(1229.6222), 42.0eV, 84.8min, 1/K0=1.247 #4310C  
Cmpd 107064, +MS2(820.0836), 37.0eV, 84.8min, 1/K0=0.949 #43112  
Cmpd 115229, +MS2(1043.2060), 37.0eV, 86.9min, 1/K0=1.009 #44162  
Cmpd 115172, +MS2(1104.5808), 37.0eV, 86.9min, 1/K0=1.042 #44155  
Cmpd 64058, +MS2(649.3536), 37.0eV, 69.225-69.227min, 1/K0=0.916  
Cmpd 93265, +MS2(688.9007), 37.0eV, 80.034-80.036min, 1/K0=0.952  
Cmpd 63798, +MS2(750.4016), 37.0eV, 69.123-69.124min, 1/K0=0.999  
Cmpd 64096, +MS2(750.4030), 37.0eV, 69.2min, 1/K0=0.999 #34905  
Cmpd 72532, +MS2(806.3918), 37.0eV, 72.254-72.263min, 1/K0=0.961  
Cmpd 80436, +MS2(881.9787), 37.0eV, 75.1min, 1/K0=1.017 #37973  
Cmpd 80230, +MS2(881.9796), 37.0eV, 74.993-75.003min, 1/K0=1.009  
Cmpd 92919, +MS2(938.5316), 42.0eV, 79.876-79.878min, 1/K0=1.132  
Cmpd 121463, +MS2(826.4463), 37.0eV, 88.5min, 1/K0=0.884 #44993  
Cmpd 58917, +MS2(765.8818), 37.0eV, 67.216-67.218min, 1/K0=0.954  
Cmpd 59114, +MS2(765.8855), 37.0eV, 67.3min, 1/K0=0.958 #33871  
Cmpd 40167, +MS2(772.3522), 37.0eV, 59.8min, 1/K0=0.949 #29932  
Cmpd 40003, +MS2(772.3525), 37.0eV, 59.76-59.77min, 1/K0=0.946 #4  
Cmpd 40472, +MS2(772.3539), 37.0eV, 59.9min, 1/K0=0.961 #29990  
Cmpd 38914, +MS2(829.9290), 37.0eV, 59.3min, 1/K0=0.986 #29646  
Cmpd 38626, +MS2(829.9298), 37.0eV, 59.150-59.152min, 1/K0=0.981  
1.0000000000000000000.0 Cmpd 116256, +MS2(1073.0290), 42.0eV, 87.156-87.158min, 1/K0=1.2  
Cmpd 114015, +MS2(1260.6367), 47.0eV, 86.582-86.586min, 1/K0=1.2  
Cmpd 95317, +MS2(841.4371), 42.0eV, 80.8min, 1/K0=1.060 #41008  
Cmpd 95349, +MS2(841.4368), 42.0eV, 80.84-80.85min, 1/K0=1.060 #4  
Cmpd 83220, +MS2(952.9602), 37.0eV, 76.108-76.112min, 1/K0=1.027  
Cmpd 83533, +MS2(952.9641), 37.0eV, 76.220-76.224min, 1/K0=1.025  
Cmpd 76910, +MS2(965.5218), 42.0eV, 73.797-73.801min, 1/K0=1.196  
Cmpd 88463, +MS2(992.5224), 42.0eV, 78.143-78.145min, 1/K0=1.067  
Cmpd 46225, +MS2(551.2965), 31.9eV, 62.266-62.268min, 1/K0=0.815  
Cmpd 46568, +MS2(551.2966), 31.9eV, 62.4min, 1/K0=0.798 #31306  
Cmpd 14827, +MS2(607.8192), 31.9eV, 47.082-47.087min, 1/K0=0.823  
0.000020000000000.0 Cmpd 86306, +MS2(819.9197), 37.0eV, 77.3min, 1/K0=0.980 #39139  
Cmpd 56872, +MS2(827.9155), 37.0eV, 66.518-66.520min, 1/K0=0.978  
Cmpd 13489, +MS2(683.6755), 31.9eV, 46.282-46.285min, 1/K0=0.830  
Cmpd 106507, +MS2(722.0208), 31.9eV, 84.7min, 1/K0=0.831 #43034  
Cmpd 106630, +MS2(751.0304), 37.0eV, 84.727-84.729min, 1/K0=0.91  
Cmpd 79129, +MS2(810.3845), 37.0eV, 74.63-74.65min, 1/K0=0.862 #4  
Cmpd 89361, +MS2(796.4242), 37.0eV, 78.501-78.503min, 1/K0=0.964  
Cmpd 89392, +MS2(796.4240), 37.0eV, 78.5min, 1/K0=0.978 #39788  
Cmpd 89673, +MS2(796.4241), 37.0eV, 78.6min, 1/K0=0.996 #39855  
Cmpd 89218, +MS2(796.4250), 37.0eV, 78.436-78.438min, 1/K0=0.977  
Cmpd 90498, +MS2(796.4268), 37.0eV, 78.9min, 1/K0=0.987 #40008  
Cmpd 54270, +MS2(702.3053), 37.0eV, 65.5min, 1/K0=0.905 #32905  
Cmpd 87797, +MS2(793.4066), 37.0eV, 77.9min, 1/K0=0.977 #39447  
Cmpd 88233, +MS2(793.4079), 37.0eV, 78.052-78.054min, 1/K0=0.936  
Cmpd 88152, +MS2(793.4091), 37.0eV, 78.0min, 1/K0=0.977 #39524  
Cmpd 88105, +MS2(793.4098), 37.0eV, 78.00-78.01min, 1/K0=0.934 #4  
Cmpd 87666, +MS2(793.4103), 37.0eV, 77.819-77.821min, 1/K0=0.976



Cmpd 89546, +MS2(770.7359), 31.9eV, 78.582-78.584min, 1/K0=0.842  
Cmpd 1940, +MS2(435.2597), 31.9eV, 37.087-37.089min, 1/K0=0.770 #  
Cmpd 80605, +MS2(812.9528), 37.0eV, 75.1min, 1/K0=0.984 #38006  
Cmpd 54275, +MS2(876.9944), 37.0eV, 65.461-65.463min, 1/K0=1.037  
Cmpd 54428, +MS2(876.9963), 37.0eV, 65.5min, 1/K0=1.041 #32936  
Cmpd 121364, +MS2(1116.1281), 47.0eV, 88.5min, 1/K0=1.277 #44985  
Cmpd 121379, +MS2(744.4238), 37.0eV, 88.5min, 1/K0=0.940 #44984  
Cmpd 122650, +MS2(1142.6447), 42.0eV, 88.8min, 1/K0=1.191 #45156  
Cmpd 20916, +MS2(735.7028), 37.0eV, 50.6min, 1/K0=0.877 #25071  
Cmpd 20845, +MS2(735.7009), 31.9eV, 50.60-50.61min, 1/K0=0.812 #2  
Cmpd 20961, +MS2(735.7021), 31.9eV, 50.7min, 1/K0=0.817 #25082  
Cmpd 20823, +MS2(735.6994), 37.0eV, 50.593-50.597min, 1/K0=0.877  
Cmpd 24502, +MS2(475.7416), 31.9eV, 52.513-52.518min, 1/K0=0.741  
Cmpd 85055, +MS2(689.8360), 37.0eV, 76.8min, 1/K0=0.884 #38877  
Cmpd 51123, +MS2(697.8529), 37.0eV, 64.2min, 1/K0=0.908 #32253  
Cmpd 123262, +MS2(719.7439), 37.0eV, 89.012-89.016min, 1/K0=0.91  
Cmpd 123207, +MS2(1079.1162), 42.0eV, 88.994-88.996min, 1/K0=1.1  
Cmpd 123233, +MS2(1079.1166), 42.0eV, 89.0min, 1/K0=1.176 #45255  
Cmpd 33369, +MS2(954.9362), 37.0eV, 56.939-56.943min, 1/K0=1.008  
Cmpd 33323, +MS2(954.9362), 37.0eV, 56.916-56.918min, 1/K0=1.007  
Cmpd 33485, +MS2(954.9377), 37.0eV, 57.0min, 1/K0=1.013 #28437  
Cmpd 33330, +MS2(954.9388), 37.0eV, 56.922-56.926min, 1/K0=1.035  
Cmpd 121761, +MS2(978.5729), 42.0eV, 88.6min, 1/K0=1.240 #45035  
Cmpd 120937, +MS2(882.9967), 37.0eV, 88.4min, 1/K0=1.029 #44931  
Cmpd 114584, +MS2(654.0468), 37.0eV, 86.7min, 1/K0=0.872 #44079  
Cmpd 113493, +MS2(654.0464), 37.0eV, 86.4min, 1/K0=0.860 #43938  
Cmpd 114494, +MS2(654.0466), 31.9eV, 86.7min, 1/K0=0.854 #44068  
Cmpd 114505, +MS2(654.0466), 37.0eV, 86.7min, 1/K0=0.869 #44069  
Cmpd 120356, +MS2(1071.0825), 42.0eV, 88.2min, 1/K0=1.231 #44860  
Cmpd 122019, +MS2(1071.0810), 42.0eV, 88.6min, 1/K0=1.232 #45068  
Cmpd 55957, +MS2(492.7146), 31.9eV, 66.1min, 1/K0=0.750 #33254  
Cmpd 71801, +MS2(528.8072), 31.9eV, 72.0min, 1/K0=0.804 #36333  
Cmpd 83077, +MS2(674.3838), 37.0eV, 76.1min, 1/K0=0.901 #38491  
Cmpd 82919, +MS2(674.3846), 37.0eV, 75.994-75.996min, 1/K0=0.897  
Cmpd 48774, +MS2(554.2987), 31.9eV, 63.266-63.268min, 1/K0=0.777  
Cmpd 48766, +MS2(830.9466), 37.0eV, 63.26-63.28min, 1/K0=1.013 #3  
Cmpd 48743, +MS2(830.9488), 37.0eV, 63.257-63.259min, 1/K0=1.012  
Cmpd 48809, +MS2(830.9455), 37.0eV, 63.283-63.293min, 1/K0=1.013  
Cmpd 73369, +MS2(565.9966), 31.9eV, 72.540-72.542min, 1/K0=0.805  
Cmpd 114210, +MS2(1165.5919), 47.0eV, 86.6min, 1/K0=1.261 #44034  
Cmpd 37461, +MS2(681.3556), 37.0eV, 58.650-58.652min, 1/K0=0.894  
Cmpd 70539, +MS2(849.9074), 37.0eV, 71.464-71.469min, 1/K0=0.980  
Cmpd 70697, +MS2(849.9097), 37.0eV, 71.532-71.534min, 1/K0=0.972  
Cmpd 60280, +MS2(957.4708), 37.0eV, 67.7min, 1/K0=1.050 #34112  
Cmpd 63423, +MS2(744.3876), 31.9eV, 68.964-68.966min, 1/K0=0.832  
Cmpd 6604, +MS2(699.8439), 37.0eV, 41.570-41.574min, 1/K0=0.940 #  
Cmpd 6547, +MS2(699.8476), 37.0eV, 41.5min, 1/K0=0.940 #20229  
Cmpd 6565, +MS2(699.8475), 37.0eV, 41.540-41.546min, 1/K0=0.939 #

Cmpd 32207, +MS2(713.3868), 37.0eV, 56.435-56.439min, 1/K0=0.910  
Cmpd 32422, +MS2(713.3896), 37.0eV, 56.5min, 1/K0=0.906 #28195  
Cmpd 6478, +MS2(831.9007), 37.0eV, 41.473-41.478min, 1/K0=1.037 #1  
Cmpd 15256, +MS2(649.3630), 37.0eV, 47.352-47.358min, 1/K0=0.876  
Cmpd 31522, +MS2(695.3589), 37.0eV, 56.13-56.14min, 1/K0=0.917 #1  
Cmpd 31308, +MS2(695.3591), 37.0eV, 56.021-56.031min, 1/K0=0.918  
Cmpd 48230, +MS2(711.8344), 37.0eV, 63.045-63.049min, 1/K0=0.941  
Cmpd 88985, +MS2(675.9959), 31.9eV, 78.3min, 1/K0=0.850 #39700  
Cmpd 88715, +MS2(675.9954), 31.9eV, 78.2min, 1/K0=0.853 #39646  
Cmpd 9875, +MS2(676.8467), 37.0eV, 43.89-43.91min, 1/K0=0.903 #2  
Cmpd 10061, +MS2(676.8473), 37.0eV, 44.0min, 1/K0=0.902 #21539  
Cmpd 21198, +MS2(676.8499), 37.0eV, 50.8min, 1/K0=0.920 #25131  
Cmpd 10023, +MS2(776.4132), 37.0eV, 44.0min, 1/K0=0.947 #21529  
Cmpd 9836, +MS2(776.4146), 37.0eV, 43.87-43.88min, 1/K0=0.945 #2  
Cmpd 54673, +MS2(501.7805), 31.9eV, 65.600-65.602min, 1/K0=0.798  
Cmpd 84403, +MS2(557.3207), 31.9eV, 76.536-76.538min, 1/K0=0.834  
Cmpd 54881, +MS2(607.8583), 37.0eV, 65.7min, 1/K0=0.912 #33023  
Cmpd 63339, +MS2(649.3775), 37.0eV, 68.9min, 1/K0=0.876 #34740  
Cmpd 63542, +MS2(649.3783), 37.0eV, 69.0min, 1/K0=0.877 #34783  
Cmpd 63195, +MS2(649.3787), 37.0eV, 68.9min, 1/K0=0.875 #34708  
Cmpd 83472, +MS2(650.3596), 37.0eV, 76.195-76.197min, 1/K0=0.920  
Cmpd 57906, +MS2(664.3973), 37.0eV, 66.847-66.849min, 1/K0=0.946  
Cmpd 56666, +MS2(664.4007), 37.0eV, 66.4min, 1/K0=0.950 #33420  
Cmpd 54653, +MS2(664.4017), 37.0eV, 65.6min, 1/K0=0.953 #32979  
Cmpd 83268, +MS2(707.3840), 37.0eV, 76.1min, 1/K0=0.948 #38525  
Cmpd 32699, +MS2(696.0226), 37.0eV, 56.657-56.659min, 1/K0=0.856  
Cmpd 118500, +MS2(869.5127), 37.0eV, 87.7min, 1/K0=1.027 #44592  
Cmpd 22505, +MS2(600.7784), 31.9eV, 51.4min, 1/K0=0.827 #25499  
Cmpd 22415, +MS2(600.7787), 31.9eV, 51.392-51.398min, 1/K0=0.825  
Cmpd 20233, +MS2(603.8466), 37.0eV, 50.267-50.270min, 1/K0=0.866  
Cmpd 106151, +MS2(608.8132), 31.9eV, 84.593-84.597min, 1/K0=0.84  
Cmpd 122209, +MS2(608.8143), 31.9eV, 88.68-88.70min, 1/K0=0.853 #1  
Cmpd 46402, +MS2(732.8347), 37.0eV, 62.3min, 1/K0=0.913 #31266  
Cmpd 45480, +MS2(732.8352), 37.0eV, 61.9min, 1/K0=0.914 #31044  
Cmpd 45364, +MS2(732.8353), 37.0eV, 61.879-61.881min, 1/K0=0.915  
Cmpd 23490, +MS2(571.7735), 31.9eV, 52.020-52.022min, 1/K0=0.814  
Cmpd 23074, +MS2(571.7771), 31.9eV, 51.766-51.767min, 1/K0=0.812  
Cmpd 20233, +MS2(603.8466), 37.0eV, 50.267-50.270min, 1/K0=0.866  
Cmpd 106151, +MS2(608.8132), 31.9eV, 84.593-84.597min, 1/K0=0.84  
Cmpd 122209, +MS2(608.8143), 31.9eV, 88.68-88.70min, 1/K0=0.853 #1  
Cmpd 93029, +MS2(922.9744), 37.0eV, 79.924-79.928min, 1/K0=1.018  
Cmpd 74250, +MS2(698.3639), 37.0eV, 72.9min, 1/K0=0.917 #36809  
Cmpd 74302, +MS2(790.4245), 37.0eV, 72.9min, 1/K0=1.002 #36820  
Cmpd 33759, +MS2(746.6900), 31.9eV, 57.126-57.131min, 1/K0=0.817  
Cmpd 33876, +MS2(746.6940), 31.9eV, 57.2min, 1/K0=0.822 #28535  
Cmpd 33888, +MS2(746.6923), 31.9eV, 57.2min, 1/K0=0.795 #28537  
Cmpd 22844, +MS2(815.3984), 31.9eV, 51.652-51.654min, 1/K0=0.767  
Cmpd 23406, +MS2(815.3989), 37.0eV, 52.0min, 1/K0=0.950 #25774

Cmpd 22667, +MS2(815.3991), 37.0eV, 51.6min, 1/K0=0.949 #25554  
Cmpd 22537, +MS2(815.3994), 37.0eV, 51.5min, 1/K0=0.951 #25510  
Cmpd 24101, +MS2(815.3833), 37.0eV, 52.305-52.307min, 1/K0=0.956  
Cmpd 22469, +MS2(815.4013), 37.0eV, 51.428-51.434min, 1/K0=0.951  
Cmpd 93579, +MS2(578.0051), 31.9eV, 80.1min, 1/K0=0.821 #40646  
Cmpd 94602, +MS2(578.0065), 31.9eV, 80.565-80.567min, 1/K0=0.818  
Cmpd 93326, +MS2(578.0067), 31.9eV, 80.049-80.053min, 1/K0=0.822  
Cmpd 93544, +MS2(866.5081), 42.0eV, 80.131-80.137min, 1/K0=1.072  
Cmpd 38499, +MS2(680.6786), 31.9eV, 59.1min, 1/K0=0.837 #29547  
Cmpd 92315, +MS2(872.0958), 37.0eV, 79.6min, 1/K0=1.047 #40383  
Cmpd 92057, +MS2(872.0961), 37.0eV, 79.5min, 1/K0=1.041 #40329  
Cmpd 81828, +MS2(488.2506), 31.9eV, 75.573-75.579min, 1/K0=0.767  
Cmpd 81698, +MS2(731.8757), 37.0eV, 75.5min, 1/K0=0.930 #38215  
Cmpd 81783, +MS2(626.3209), 31.9eV, 75.6min, 1/K0=0.789 #38227  
Cmpd 81566, +MS2(938.9824), 42.0eV, 75.476-75.480min, 1/K0=1.086  
Cmpd 84180, +MS2(716.0494), 37.0eV, 76.458-76.467min, 1/K0=0.904  
Cmpd 83967, +MS2(716.0493), 37.0eV, 76.380-76.382min, 1/K0=0.872  
Cmpd 53104, +MS2(693.8829), 37.0eV, 65.0min, 1/K0=0.925 #32663  
Cmpd 52877, +MS2(693.8827), 37.0eV, 64.9min, 1/K0=0.909 #32617  
Cmpd 66427, +MS2(516.9429), 31.9eV, 70.1min, 1/K0=0.781 #35333  
Cmpd 66335, +MS2(774.9185), 37.0eV, 70.014-70.020min, 1/K0=0.986  
Cmpd 41201, +MS2(951.9580), 37.0eV, 60.241-60.247min, 1/K0=1.004  
Cmpd 42381, +MS2(951.9592), 37.0eV, 60.722-60.724min, 1/K0=1.004  
Cmpd 41344, +MS2(951.9601), 37.0eV, 60.3min, 1/K0=1.005 #30185  
Cmpd 91731, +MS2(570.8513), 31.9eV, 79.416-79.418min, 1/K0=0.843  
Cmpd 73074, +MS2(573.3531), 31.9eV, 72.436-72.438min, 1/K0=0.842  
Cmpd 21273, +MS2(607.8029), 37.0eV, 50.8min, 1/K0=0.860 #25140  
Cmpd 21264, +MS2(607.8052), 31.9eV, 50.8min, 1/K0=0.844 #25139  
Cmpd 21190, +MS2(657.3400), 37.0eV, 50.8min, 1/K0=0.887 #25129  
Cmpd 21151, +MS2(742.3887), 37.0eV, 50.7min, 1/K0=0.969 #25125  
Cmpd 57031, +MS2(786.4229), 37.0eV, 66.582-66.584min, 1/K0=0.970  
Cmpd 69897, +MS2(847.9432), 37.0eV, 71.242-71.244min, 1/K0=0.982  
Cmpd 51705, +MS2(514.8013), 31.9eV, 64.5min, 1/K0=0.814 #32386  
Cmpd 52882, +MS2(599.8537), 37.0eV, 64.9min, 1/K0=0.875 #32618  
Cmpd 51713, +MS2(599.8550), 31.9eV, 64.472-64.476min, 1/K0=0.849  
Cmpd 51744, +MS2(599.8557), 37.0eV, 64.5min, 1/K0=0.881 #32396  
Cmpd 51922, +MS2(599.8560), 37.0eV, 64.6min, 1/K0=0.859 #32432  
Cmpd 51626, +MS2(599.8561), 37.0eV, 64.438-64.440min, 1/K0=0.880  
Cmpd 94847, +MS2(895.9517), 37.0eV, 80.7min, 1/K0=1.030 #40921  
Cmpd 94653, +MS2(895.9528), 37.0eV, 80.587-80.589min, 1/K0=1.006  
Cmpd 75050, +MS2(649.6356), 31.9eV, 73.1min, 1/K0=0.781 #36961  
Cmpd 74792, +MS2(649.6344), 31.9eV, 73.058-73.060min, 1/K0=0.775  
Cmpd 57454, +MS2(981.9518), 37.0eV, 66.684-66.686min, 1/K0=1.054  
Cmpd 11713, +MS2(592.8317), 31.9eV, 45.109-45.111min, 1/K0=0.854  
Cmpd 37665, +MS2(606.8411), 37.0eV, 58.735-58.739min, 1/K0=0.868  
Cmpd 59109, +MS2(721.8852), 37.0eV, 67.3min, 1/K0=0.909 #33870  
Cmpd 105034, +MS2(922.9840), 37.0eV, 84.2min, 1/K0=1.047 #42801  
Cmpd 104981, +MS2(922.9858), 37.0eV, 84.2min, 1/K0=1.050 #42790

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Cmpd 105147, +MS2(922.9848), 37.0eV, 84.281-84.283min, 1/K0=1.05  
Cmpd 61214, +MS2(756.7318), 37.0eV, 68.081-68.083min, 1/K0=0.886  
Cmpd 86099, +MS2(600.8222), 31.9eV, 77.195-77.199min, 1/K0=0.821  
Cmpd 78366, +MS2(671.8217), 37.0eV, 74.3min, 1/K0=0.872 #37588  
Cmpd 78084, +MS2(671.8241), 37.0eV, 74.2min, 1/K0=0.875 #37534  
Cmpd 49220, +MS2(679.8191), 37.0eV, 63.459-63.461min, 1/K0=0.878  
Cmpd 110402, +MS2(920.5030), 42.0eV, 85.7min, 1/K0=1.116 #43539  
Cmpd 111747, +MS2(851.0846), 37.0eV, 86.0min, 1/K0=1.011 #43715  
Cmpd 25845, +MS2(486.7516), 31.9eV, 53.2min, 1/K0=0.768 #26425  
Cmpd 53892, +MS2(511.2989), 31.9eV, 65.326-65.328min, 1/K0=0.764  
Cmpd 90016, +MS2(591.9934), 31.9eV, 78.770-78.772min, 1/K0=0.794  
Cmpd 90105, +MS2(887.4908), 42.0eV, 78.800-78.802min, 1/K0=1.080  
Cmpd 90044, +MS2(887.4948), 42.0eV, 78.783-78.785min, 1/K0=1.081  
Cmpd 89975, +MS2(887.4928), 42.0eV, 78.760-78.764min, 1/K0=1.080  
Cmpd 16858, +MS2(549.8143), 31.9eV, 48.3min, 1/K0=0.799 #23850  
Cmpd 15773, +MS2(580.7906), 31.9eV, 47.7min, 1/K0=0.832 #23519  
Cmpd 29380, +MS2(589.2794), 31.9eV, 55.060-55.062min, 1/K0=0.839  
Cmpd 22185, +MS2(595.8096), 31.9eV, 51.255-51.257min, 1/K0=0.827  
Cmpd 19375, +MS2(632.8082), 31.9eV, 49.804-49.806min, 1/K0=0.831  
Cmpd 50219, +MS2(679.7627), 31.9eV, 63.87-63.88min, 1/K0=0.851 #4  
Cmpd 18133, +MS2(701.3798), 37.0eV, 49.126-49.128min, 1/K0=0.911  
Cmpd 50082, +MS2(723.3401), 37.0eV, 63.809-63.813min, 1/K0=0.876  
Cmpd 63292, +MS2(622.8589), 37.0eV, 68.9min, 1/K0=0.873 #34729  
Cmpd 63200, +MS2(698.3518), 37.0eV, 68.9min, 1/K0=0.911 #34709  
Cmpd 63190, +MS2(698.3533), 37.0eV, 68.9min, 1/K0=0.896 #34707  
Cmpd 43181, +MS2(734.3659), 37.0eV, 61.087-61.091min, 1/K0=0.977  
Cmpd 62842, +MS2(739.9079), 37.0eV, 68.715-68.717min, 1/K0=0.981  
Cmpd 63073, +MS2(739.9083), 37.0eV, 68.8min, 1/K0=0.987 #34684  
Cmpd 64053, +MS2(739.9102), 37.0eV, 69.2min, 1/K0=0.971 #34894  
Cmpd 43067, +MS2(790.9067), 37.0eV, 61.032-61.036min, 1/K0=1.040  
Cmpd 5845, +MS2(549.8174), 31.9eV, 40.86-40.87min, 1/K0=0.800 #19  
Cmpd 5860, +MS2(549.8178), 31.9eV, 40.876-40.877min, 1/K0=0.806 #  
Cmpd 87237, +MS2(727.7274), 37.0eV, 77.6min, 1/K0=0.938 #39328  
Cmpd 116662, +MS2(883.7910), 37.0eV, 87.3min, 1/K0=0.938 #44353  
Cmpd 116855, +MS2(883.7923), 37.0eV, 87.3min, 1/K0=0.939 #44377  
Cmpd 9664, +MS2(520.7639), 31.9eV, 43.7min, 1/K0=0.771 #21396  
Cmpd 70021, +MS2(683.8655), 37.0eV, 71.274-71.276min, 1/K0=0.906  
Cmpd 80725, +MS2(740.8481), 37.0eV, 75.2min, 1/K0=0.912 #38028  
Cmpd 80505, +MS2(740.8485), 37.0eV, 75.096-75.098min, 1/K0=0.931  
Cmpd 53797, +MS2(784.4151), 37.0eV, 65.286-65.288min, 1/K0=0.983  
Cmpd 102980, +MS2(714.3544), 37.0eV, 83.535-83.538min, 1/K0=0.86  
Cmpd 102960, +MS2(714.3542), 37.0eV, 83.529-83.531min, 1/K0=0.85  
Cmpd 15589, +MS2(629.8116), 31.9eV, 47.608-47.612min, 1/K0=0.849  
Cmpd 93066, +MS2(715.4119), 37.0eV, 79.9min, 1/K0=0.947 #40537  
Cmpd 54164, +MS2(856.9256), 37.0eV, 65.421-65.427min, 1/K0=1.035  
Cmpd 53878, +MS2(957.9545), 42.0eV, 65.3min, 1/K0=1.091 #32836  
Cmpd 53745, +MS2(957.9600), 42.0eV, 65.27-65.28min, 1/K0=1.085 #4  
Cmpd 53902, +MS2(957.9544), 42.0eV, 65.330-65.336min, 1/K0=1.070

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Cmpd 54092, +MS2(638.9735), 31.9eV, 65.395-65.400min, 1/K0=0.797  
Cmpd 1767, +MS2(551.8077), 31.9eV, 36.862-36.866min, 1/K0=0.846  
Cmpd 71756, +MS2(657.3914), 37.0eV, 71.9min, 1/K0=0.884 #36323  
Cmpd 120061, +MS2(749.9353), 37.0eV, 88.2min, 1/K0=1.017 #44823  
Cmpd 56779, +MS2(1064.0333), 42.0eV, 66.476-66.479min, 1/K0=1.11  
Cmpd 56606, +MS2(709.6911), 37.0eV, 66.4min, 1/K0=0.910 #33408  
Cmpd 56814, +MS2(709.6907), 37.0eV, 66.5min, 1/K0=0.908 #33452  
Cmpd 83821, +MS2(581.7998), 31.9eV, 76.3min, 1/K0=0.821 #38633  
Cmpd 83455, +MS2(581.8022), 31.9eV, 76.184-76.186min, 1/K0=0.823  
Cmpd 83877, +MS2(674.8347), 37.0eV, 76.3min, 1/K0=0.895 #38644  
Cmpd 93078, +MS2(626.9963), 31.9eV, 79.943-79.945min, 1/K0=0.829  
Cmpd 105313, +MS2(897.7648), 37.0eV, 84.336-84.338min, 1/K0=0.97  
Cmpd 116197, +MS2(1007.4838), 37.0eV, 87.1min, 1/K0=0.978 #44294  
Cmpd 93844, +MS2(521.7946), 31.9eV, 80.250-80.252min, 1/K0=0.771  
Cmpd 93765, +MS2(603.3265), 31.9eV, 80.216-80.220min, 1/K0=0.854  
Cmpd 93552, +MS2(689.3703), 37.0eV, 80.133-80.137min, 1/K0=0.901  
Cmpd 93896, +MS2(689.3717), 37.0eV, 80.3min, 1/K0=0.904 #40712  
Cmpd 107270, +MS2(913.5058), 42.0eV, 84.9min, 1/K0=1.135 #43140  
Cmpd 107407, +MS2(839.4690), 37.0eV, 84.9min, 1/K0=1.011 #43157  
Cmpd 57017, +MS2(875.4527), 42.0eV, 66.578-66.582min, 1/K0=1.084  
Cmpd 55871, +MS2(875.4552), 42.0eV, 66.080-66.082min, 1/K0=1.091  
Cmpd 56039, +MS2(875.4558), 42.0eV, 66.2min, 1/K0=1.088 #33276  
Cmpd 93601, +MS2(605.8308), 37.0eV, 80.154-80.157min, 1/K0=0.861  
Cmpd 55836, +MS2(663.3630), 37.0eV, 66.067-66.069min, 1/K0=0.903  
Cmpd 105296, +MS2(712.8561), 37.0eV, 84.3min, 1/K0=0.913 #42846  
Cmpd 55767, +MS2(719.9032), 37.0eV, 66.0min, 1/K0=0.948 #33212  
Cmpd 82699, +MS2(776.9230), 37.0eV, 75.9min, 1/K0=0.951 #38414  
Cmpd 55934, +MS2(560.9794), 31.9eV, 66.108-66.112min, 1/K0=0.772  
Cmpd 87552, +MS2(665.3246), 31.9eV, 77.769-77.773min, 1/K0=0.800  
Cmpd 87412, +MS2(997.4924), 42.0eV, 77.71-77.72min, 1/K0=1.069 #4  
Cmpd 102800, +MS2(578.8065), 31.9eV, 83.468-83.470min, 1/K0=0.82  
Cmpd 62565, +MS2(586.8070), 31.9eV, 68.583-68.589min, 1/K0=0.826  
Cmpd 5599, +MS2(610.7850), 31.9eV, 40.6min, 1/K0=0.829 #19757  
Cmpd 20585, +MS2(700.8420), 37.0eV, 50.5min, 1/K0=0.881 #24971  
Cmpd 20430, +MS2(700.8445), 37.0eV, 50.384-50.388min, 1/K0=0.878  
Cmpd 113697, +MS2(837.4831), 37.0eV, 86.503-86.505min, 1/K0=1.03  
Cmpd 121255, +MS2(1003.9971), 42.0eV, 88.4min, 1/K0=1.089 #44970  
Cmpd 86466, +MS2(786.7260), 37.0eV, 77.339-77.340min, 1/K0=0.919  
Cmpd 62824, +MS2(670.6690), 31.9eV, 68.704-68.706min, 1/K0=0.804  
Cmpd 63041, +MS2(670.6715), 31.9eV, 68.8min, 1/K0=0.807 #34673  
Cmpd 62869, +MS2(670.6708), 31.9eV, 68.7min, 1/K0=0.810 #34630  
Cmpd 64067, +MS2(670.6717), 31.9eV, 69.229-69.232min, 1/K0=0.827  
Cmpd 64055, +MS2(670.6719), 31.9eV, 69.2min, 1/K0=0.809 #34894  
Cmpd 13925, +MS2(552.3250), 31.9eV, 46.487-46.491min, 1/K0=0.822  
Cmpd 806, +MS2(564.2563), 31.9eV, 34.830-34.832min, 1/K0=0.817 #3  
Cmpd 100264, +MS2(567.3099), 31.9eV, 82.54-82.55min, 1/K0=0.824 #3  
Cmpd 95518, +MS2(567.3107), 31.9eV, 80.9min, 1/K0=0.829 #41044  
Cmpd 19306, +MS2(606.8139), 31.9eV, 49.8min, 1/K0=0.848 #24608

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Cmpd 808, +MS2(620.7996), 31.9eV, 34.8min, 1/K0=0.854 #16657  
Cmpd 13981, +MS2(670.8610), 37.0eV, 46.525-46.531min, 1/K0=0.883  
Cmpd 106891, +MS2(920.8047), 37.0eV, 84.8min, 1/K0=0.973 #43089  
Cmpd 122379, +MS2(717.8794), 37.0eV, 88.737-88.739min, 1/K0=0.92  
Cmpd 48524, +MS2(754.3672), 37.0eV, 63.2min, 1/K0=0.931 #31693  
Cmpd 36288, +MS2(762.3663), 37.0eV, 58.174-58.178min, 1/K0=0.925  
Cmpd 85188, +MS2(711.0854), 31.9eV, 76.840-76.842min, 1/K0=0.820  
Cmpd 63638, +MS2(712.3638), 37.0eV, 69.1min, 1/K0=0.894 #34806  
Cmpd 63468, +MS2(712.3662), 37.0eV, 68.983-68.987min, 1/K0=0.892  
Cmpd 91428, +MS2(733.7117), 31.9eV, 79.290-79.296min, 1/K0=0.845  
Cmpd 77263, +MS2(735.7003), 31.9eV, 73.9min, 1/K0=0.801 #37368  
Cmpd 93103, +MS2(1115.5548), 42.0eV, 79.96-79.97min, 1/K0=1.220 #  
Cmpd 93223, +MS2(1115.5515), 42.0eV, 80.0min, 1/K0=1.221 #40580  
Cmpd 59784, +MS2(816.4185), 37.0eV, 67.550-67.553min, 1/K0=0.861  
Cmpd 778, +MS2(693.8382), 37.0eV, 34.69-34.70min, 1/K0=0.870 #16  
Cmpd 786, +MS2(693.8415), 37.0eV, 34.74-34.75min, 1/K0=0.870 #16  
Cmpd 56041, +MS2(759.4315), 37.0eV, 66.159-66.161min, 1/K0=0.985  
Cmpd 63779, +MS2(539.6088), 31.9eV, 69.1min, 1/K0=0.707 #34838  
Cmpd 56300, +MS2(573.9870), 31.9eV, 66.280-66.282min, 1/K0=0.805  
Cmpd 56296, +MS2(573.9890), 31.9eV, 66.278-66.282min, 1/K0=0.756  
Cmpd 56118, +MS2(860.4795), 42.0eV, 66.2min, 1/K0=1.070 #33298  
Cmpd 55952, +MS2(860.4796), 42.0eV, 66.118-66.120min, 1/K0=1.070  
Cmpd 92354, +MS2(723.0663), 37.0eV, 79.663-79.665min, 1/K0=0.927  
Cmpd 21228, +MS2(713.8857), 37.0eV, 50.8min, 1/K0=0.947 #25136  
Cmpd 17668, +MS2(727.3406), 37.0eV, 48.84-48.85min, 1/K0=0.878 #  
Cmpd 122717, +MS2(1023.0773), 42.0eV, 88.8min, 1/K0=1.104 #4516  
Cmpd 47724, +MS2(857.4132), 37.0eV, 62.827-62.829min, 1/K0=0.875  
Cmpd 47663, +MS2(857.4125), 37.0eV, 62.80-62.82min, 1/K0=0.873 #  
Cmpd 85790, +MS2(1055.5113), 37.0eV, 77.073-77.075min, 1/K0=0.98  
Cmpd 85808, +MS2(1055.5110), 37.0eV, 77.079-77.089min, 1/K0=0.99  
Cmpd 86819, +MS2(608.2878), 31.9eV, 77.484-77.486min, 1/K0=0.841  
Cmpd 89010, +MS2(708.3433), 37.0eV, 78.362-78.364min, 1/K0=0.911  
Cmpd 86692, +MS2(708.3461), 37.0eV, 77.4min, 1/K0=0.917 #39216  
Cmpd 87753, +MS2(708.3489), 37.0eV, 77.9min, 1/K0=0.909 #39437  
Cmpd 70703, +MS2(756.4230), 37.0eV, 71.536-71.538min, 1/K0=0.932  
Cmpd 70703, +MS2(756.4230), 37.0eV, 71.536-71.538min, 1/K0=0.932  
Cmpd 88259, +MS2(692.3499), 37.0eV, 78.1min, 1/K0=0.900 #39547  
Cmpd 36262, +MS2(883.3663), 37.0eV, 58.161-58.167min, 1/K0=0.977  
Cmpd 36229, +MS2(883.3704), 37.0eV, 58.144-58.146min, 1/K0=0.978  
Cmpd 3404, +MS2(795.3246), 37.0eV, 38.563-38.567min, 1/K0=0.926 #  
Cmpd 3410, +MS2(795.3172), 37.0eV, 38.6min, 1/K0=0.927 #18646  
Cmpd 88259, +MS2(692.3499), 37.0eV, 78.1min, 1/K0=0.900 #39547  
Cmpd 113029, +MS2(587.6376), 31.9eV, 86.3min, 1/K0=0.792 #43880  
Cmpd 113024, +MS2(880.9581), 42.0eV, 86.3min, 1/K0=1.065 #43880  
Cmpd 111101, +MS2(725.3717), 37.0eV, 85.8min, 1/K0=0.866 #43629  
Cmpd 111247, +MS2(725.3726), 37.0eV, 85.9min, 1/K0=0.866 #43650  
Cmpd 91673, +MS2(656.3977), 37.0eV, 79.4min, 1/K0=0.952 #40250  
Cmpd 91501, +MS2(794.4538), 37.0eV, 79.323-79.325min, 1/K0=1.037

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Cmpd 91843, +MS2(794.4551), 37.0eV, 79.5min, 1/K0=1.043 #40284  
Cmpd 57376, +MS2(826.9229), 37.0eV, 66.7min, 1/K0=1.046 #33542  
Cmpd 60119, +MS2(811.7533), 37.0eV, 67.7min, 1/K0=0.951 #34080  
Cmpd 67579, +MS2(829.9311), 42.0eV, 70.468-70.472min, 1/K0=1.056  
Cmpd 67345, +MS2(908.9615), 42.0eV, 70.373-70.375min, 1/K0=1.104  
Cmpd 67478, +MS2(908.9634), 42.0eV, 70.4min, 1/K0=1.104 #35531  
Cmpd 31219, +MS2(605.8089), 31.9eV, 56.0min, 1/K0=0.853 #27897  
Cmpd 19660, +MS2(688.3125), 37.0eV, 49.966-49.970min, 1/K0=0.925  
Cmpd 19602, +MS2(760.3378), 37.0eV, 49.936-49.938min, 1/K0=0.962  
Cmpd 19573, +MS2(760.3399), 37.0eV, 49.92-49.93min, 1/K0=0.961 #2  
Cmpd 65272, +MS2(763.7408), 37.0eV, 69.670-69.672min, 1/K0=0.868  
Cmpd 118169, +MS2(573.8261), 31.9eV, 87.644-87.647min, 1/K0=0.82  
Cmpd 14636, +MS2(650.3391), 37.0eV, 46.960-46.963min, 1/K0=0.876  
Cmpd 14657, +MS2(650.3410), 37.0eV, 46.973-46.975min, 1/K0=0.876  
Cmpd 94750, +MS2(691.3652), 31.9eV, 80.6min, 1/K0=0.779 #40899  
Cmpd 94419, +MS2(691.3647), 31.9eV, 80.485-80.487min, 1/K0=0.785  
Cmpd 94813, +MS2(691.3677), 31.9eV, 80.648-80.650min, 1/K0=0.807  
Cmpd 73450, +MS2(895.7951), 37.0eV, 72.569-72.571min, 1/K0=0.890  
Cmpd 71488, +MS2(525.3240), 31.9eV, 71.8min, 1/K0=0.812 #36269  
Cmpd 99789, +MS2(607.3369), 37.0eV, 82.344-82.346min, 1/K0=0.862  
Cmpd 39625, +MS2(669.8272), 37.0eV, 59.602-59.604min, 1/K0=0.875  
Cmpd 28744, +MS2(674.8332), 37.0eV, 54.8min, 1/K0=0.884 #27251  
Cmpd 28463, +MS2(674.8342), 37.0eV, 54.603-54.605min, 1/K0=0.882  
Cmpd 120250, +MS2(779.4024), 37.0eV, 88.2min, 1/K0=0.968 #44848  
Cmpd 19013, +MS2(620.8493), 37.0eV, 49.629-49.634min, 1/K0=0.863  
Cmpd 19537, +MS2(658.3320), 37.0eV, 49.9min, 1/K0=0.872 #24675  
Cmpd 19515, +MS2(658.3324), 37.0eV, 49.884-49.887min, 1/K0=0.869  
Cmpd 101377, +MS2(846.4276), 42.0eV, 82.957-82.961min, 1/K0=1.11  
Cmpd 93805, +MS2(972.5189), 42.0eV, 80.233-80.235min, 1/K0=1.079  
Cmpd 94567, +MS2(643.3567), 37.0eV, 80.553-80.555min, 1/K0=0.869  
Cmpd 102883, +MS2(902.9782), 37.0eV, 83.497-83.499min, 1/K0=1.04  
Cmpd 103130, +MS2(902.9786), 37.0eV, 83.6min, 1/K0=1.048 #42461  
Cmpd 106937, +MS2(1040.5587), 42.0eV, 84.812-84.816min, 1/K0=1.1  
Cmpd 94354, +MS2(520.2894), 31.9eV, 80.459-80.461min, 1/K0=0.777  
Cmpd 8973, +MS2(732.8507), 37.0eV, 43.2min, 1/K0=0.897 #21133  
Cmpd 56769, +MS2(796.9137), 37.0eV, 66.472-66.474min, 1/K0=0.965  
Cmpd 94293, +MS2(745.0647), 31.9eV, 80.438-80.443min, 1/K0=0.841  
Cmpd 94450, +MS2(745.0657), 37.0eV, 80.500-80.504min, 1/K0=0.863  
Cmpd 50423, +MS2(626.3137), 31.9eV, 63.947-63.949min, 1/K0=0.849  
Cmpd 29276, +MS2(651.3566), 37.0eV, 55.004-55.006min, 1/K0=0.885  
Cmpd 74669, +MS2(725.8460), 37.0eV, 73.014-73.016min, 1/K0=0.926  
Cmpd 59477, +MS2(786.3939), 37.0eV, 67.438-67.441min, 1/K0=0.963  
Cmpd 30684, +MS2(889.9540), 37.0eV, 55.70-55.72min, 1/K0=1.004 #2  
Cmpd 90242, +MS2(778.0434), 37.0eV, 78.842-78.844min, 1/K0=0.915  
Cmpd 56525, +MS2(591.8262), 31.9eV, 66.4min, 1/K0=0.853 #33388  
Cmpd 56598, +MS2(591.8268), 37.0eV, 66.4min, 1/K0=0.871 #33407  
Cmpd 56571, +MS2(591.8271), 31.9eV, 66.4min, 1/K0=0.831 #33399  
Cmpd 56971, +MS2(591.8270), 31.9eV, 66.6min, 1/K0=0.841 #33486

Cmpd 56776, +MS2(591.8273), 31.9eV, 66.5min, 1/K0=0.855 #33442  
Cmpd 112168, +MS2(748.9057), 37.0eV, 86.1min, 1/K0=0.946 #43770  
Cmpd 18730, +MS2(671.8671), 37.0eV, 49.461-49.465min, 1/K0=0.919  
Cmpd 97646, +MS2(673.3889), 37.0eV, 81.614-81.621min, 1/K0=0.940  
Cmpd 41945, +MS2(736.9383), 37.0eV, 60.539-60.540min, 1/K0=0.993  
Cmpd 88203, +MS2(761.4128), 37.0eV, 78.0min, 1/K0=0.947 #39535  
Cmpd 114356, +MS2(941.0270), 42.0eV, 86.670-86.672min, 1/K0=1.09  
Cmpd 114236, +MS2(1047.1042), 42.0eV, 86.6min, 1/K0=1.195 #44036  
Cmpd 11181, +MS2(529.7855), 31.9eV, 44.782-44.784min, 1/K0=0.817  
Cmpd 115758, +MS2(609.7944), 31.9eV, 87.0min, 1/K0=0.844 #44233  
Cmpd 115849, +MS2(815.9344), 37.0eV, 87.0min, 1/K0=0.993 #44245  
Cmpd 13040, +MS2(831.8948), 37.0eV, 45.999-46.003min, 1/K0=0.992  
Cmpd 13186, +MS2(831.8966), 37.0eV, 46.1min, 1/K0=0.992 #22650  
Cmpd 13032, +MS2(831.8981), 37.0eV, 45.996-45.997min, 1/K0=0.993  
Cmpd 35595, +MS2(881.3905), 37.0eV, 57.888-57.890min, 1/K0=0.989  
Cmpd 35548, +MS2(881.3907), 37.0eV, 57.867-57.875min, 1/K0=0.991  
Cmpd 35819, +MS2(881.3916), 37.0eV, 57.978-57.979min, 1/K0=0.997  
Cmpd 35572, +MS2(881.3916), 37.0eV, 57.879-57.881min, 1/K0=0.980  
Cmpd 83091, +MS2(644.8432), 37.0eV, 76.1min, 1/K0=0.864 #38493  
Cmpd 98569, +MS2(767.4797), 37.0eV, 81.899-81.900min, 1/K0=1.008  
Cmpd 21057, +MS2(909.4831), 37.0eV, 50.710-50.720min, 1/K0=1.050  
Cmpd 20926, +MS2(606.6590), 31.9eV, 50.646-50.648min, 1/K0=0.815  
Cmpd 20978, +MS2(606.6557), 31.9eV, 50.676-50.680min, 1/K0=0.775  
Cmpd 20959, +MS2(909.4805), 37.0eV, 50.66-50.68min, 1/K0=1.018 #2  
Cmpd 5609, +MS2(654.8289), 31.9eV, 40.657-40.662min, 1/K0=0.850 #  
Cmpd 5722, +MS2(654.8280), 31.9eV, 40.8min, 1/K0=0.849 #19812  
Cmpd 99855, +MS2(895.9140), 37.0eV, 82.4min, 1/K0=1.025 #41814  
Cmpd 98746, +MS2(895.9170), 37.0eV, 82.0min, 1/K0=1.024 #41596  
Cmpd 100931, +MS2(895.9214), 37.0eV, 82.8min, 1/K0=1.022 #42042  
Cmpd 1052, +MS2(683.8562), 37.0eV, 35.526-35.533min, 1/K0=0.921 #  
Cmpd 1002, +MS2(784.9025), 37.0eV, 35.419-35.427min, 1/K0=1.001 #  
Cmpd 1038, +MS2(784.9036), 37.0eV, 35.5min, 1/K0=1.001 #17007  
Cmpd 1184, +MS2(784.9069), 37.0eV, 35.91-35.93min, 1/K0=1.000 #17  
Cmpd 85357, +MS2(608.2943), 31.9eV, 76.905-76.907min, 1/K0=0.834  
Cmpd 107303, +MS2(589.3165), 31.9eV, 84.9min, 1/K0=0.795 #43143  
Cmpd 107134, +MS2(589.3156), 31.9eV, 84.862-84.868min, 1/K0=0.79  
Cmpd 113318, +MS2(728.0652), 31.9eV, 86.40-86.42min, 1/K0=0.835 #  
Cmpd 113292, +MS2(789.4420), 37.0eV, 86.4min, 1/K0=0.894 #43913  
Cmpd 7108, +MS2(624.8317), 37.0eV, 41.952-41.954min, 1/K0=0.887 #  
Cmpd 39211, +MS2(691.3228), 37.0eV, 59.4min, 1/K0=0.880 #29712  
Cmpd 2031, +MS2(717.8452), 37.0eV, 37.210-37.216min, 1/K0=0.914 #  
Cmpd 13977, +MS2(729.3141), 37.0eV, 46.519-46.523min, 1/K0=0.904  
Cmpd 15028, +MS2(825.3604), 37.0eV, 47.22-47.24min, 1/K0=0.989 #2  
Cmpd 66638, +MS2(1169.5489), 42.0eV, 70.141-70.143min, 1/K0=1.16  
Cmpd 75311, +MS2(484.8302), 31.9eV, 73.256-73.258min, 1/K0=0.790  
Cmpd 93262, +MS2(652.3512), 37.0eV, 80.032-80.034min, 1/K0=0.875  
Cmpd 92202, +MS2(652.3521), 37.0eV, 79.6min, 1/K0=0.875 #40360  
Cmpd 90837, +MS2(652.3526), 37.0eV, 79.1min, 1/K0=0.872 #40075



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Cmpd 91158, +MS2(652.3549), 37.0eV, 79.2min, 1/K0=0.873 #40140  
Cmpd 91578, +MS2(652.3552), 37.0eV, 79.4min, 1/K0=0.862 #40228  
Cmpd 62519, +MS2(922.9383), 37.0eV, 68.562-68.568min, 1/K0=1.031  
Cmpd 50200, +MS2(665.6618), 37.0eV, 63.9min, 1/K0=0.872 #32066  
Cmpd 8510, +MS2(551.2696), 31.9eV, 42.9min, 1/K0=0.813 #20969  
Cmpd 61208, +MS2(817.3935), 37.0eV, 68.080-68.081min, 1/K0=0.997  
Cmpd 61334, +MS2(817.3929), 37.0eV, 68.1min, 1/K0=0.970 #34321  
Cmpd 60973, +MS2(817.3935), 37.0eV, 68.0min, 1/K0=0.969 #34244  
Cmpd 40098, +MS2(874.4090), 37.0eV, 59.799-59.802min, 1/K0=0.999  
Cmpd 671, +MS2(618.6265), 31.9eV, 34.193-34.199min, 1/K0=0.775 #:  
Cmpd 119837, +MS2(550.3290), 31.9eV, 88.108-88.110min, 1/K0=0.81  
Cmpd 18965, +MS2(645.8200), 37.0eV, 49.602-49.608min, 1/K0=0.872  
Cmpd 18338, +MS2(645.8210), 37.0eV, 49.3min, 1/K0=0.869 #24333  
Cmpd 114227, +MS2(780.3917), 37.0eV, 86.64-86.65min, 1/K0=0.985 #  
Cmpd 105770, +MS2(788.3910), 37.0eV, 84.5min, 1/K0=0.974 #42926  
Cmpd 42833, +MS2(930.4704), 42.0eV, 60.9min, 1/K0=1.091 #30514  
Cmpd 42596, +MS2(930.4728), 37.0eV, 60.819-60.822min, 1/K0=1.020  
Cmpd 42633, +MS2(930.4731), 37.0eV, 60.835-60.839min, 1/K0=1.018  
Cmpd 75835, +MS2(861.7485), 37.0eV, 73.455-73.457min, 1/K0=0.866  
Cmpd 65187, +MS2(774.8977), 37.0eV, 69.640-69.642min, 1/K0=0.950  
Cmpd 65361, +MS2(774.9027), 37.0eV, 69.7min, 1/K0=0.954 #35147  
Cmpd 39290, +MS2(789.4115), 37.0eV, 59.443-59.447min, 1/K0=0.989  
Cmpd 39223, +MS2(838.9434), 37.0eV, 59.415-59.420min, 1/K0=1.034  
Cmpd 47913, +MS2(729.8430), 37.0eV, 62.9min, 1/K0=0.914 #31562  
Cmpd 47835, +MS2(729.8459), 37.0eV, 62.9min, 1/K0=0.910 #31546  
Cmpd 92128, +MS2(637.6716), 31.9eV, 79.575-79.577min, 1/K0=0.829  
Cmpd 92066, +MS2(956.0117), 42.0eV, 79.546-79.548min, 1/K0=1.135  
Cmpd 105938, +MS2(695.3508), 37.0eV, 84.539-84.541min, 1/K0=0.88  
Cmpd 7271, +MS2(635.8720), 37.0eV, 42.065-42.069min, 1/K0=0.887 #  
Cmpd 16909, +MS2(771.9032), 37.0eV, 48.371-48.379min, 1/K0=0.960  
Cmpd 49359, +MS2(616.3286), 31.9eV, 63.514-63.516min, 1/K0=0.829  
Cmpd 16873, +MS2(710.6653), 31.9eV, 48.352-48.356min, 1/K0=0.805  
Cmpd 16786, +MS2(762.6979), 31.9eV, 48.301-48.305min, 1/K0=0.855  
Cmpd 43068, +MS2(830.4254), 37.0eV, 61.0min, 1/K0=0.976 #30570  
Cmpd 43159, +MS2(830.4264), 37.0eV, 61.1min, 1/K0=0.963 #30593  
Cmpd 25531, +MS2(596.3087), 31.9eV, 53.030-53.034min, 1/K0=0.757  
Cmpd 111564, +MS2(972.1617), 42.0eV, 85.968-85.970min, 1/K0=1.05  
Cmpd 95352, +MS2(607.3409), 31.9eV, 80.8min, 1/K0=0.849 #41012  
Cmpd 95816, +MS2(607.3416), 31.9eV, 81.0min, 1/K0=0.848 #41098  
Cmpd 115446, +MS2(684.6581), 31.9eV, 86.938-86.940min, 1/K0=0.80  
Cmpd 115476, +MS2(684.6588), 31.9eV, 86.950-86.954min, 1/K0=0.78  
Cmpd 115517, +MS2(771.3776), 31.9eV, 86.960-86.962min, 1/K0=0.84  
Cmpd 18043, +MS2(679.8513), 37.0eV, 49.066-49.068min, 1/K0=0.862  
Cmpd 17183, +MS2(679.8531), 37.0eV, 48.574-48.580min, 1/K0=0.867  
Cmpd 17315, +MS2(679.8537), 37.0eV, 48.7min, 1/K0=0.865 #24015  
Cmpd 95331, +MS2(536.6344), 31.9eV, 80.834-80.839min, 1/K0=0.799  
Cmpd 59801, +MS2(897.4184), 37.0eV, 67.6min, 1/K0=1.010 #34013  
Cmpd 24263, +MS2(626.9534), 31.9eV, 52.39-52.40min, 1/K0=0.745 #:

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Cmpd 91203, +MS2(947.7929), 37.0eV, 79.2min, 1/K0=0.920 #40151  
Cmpd 107518, +MS2(637.8633), 37.0eV, 85.0min, 1/K0=0.910 #43172  
Cmpd 107561, +MS2(743.9406), 37.0eV, 84.968-84.974min, 1/K0=1.01  
Cmpd 104192, +MS2(746.9385), 37.0eV, 83.945-83.947min, 1/K0=0.98  
Cmpd 94783, +MS2(550.3251), 31.9eV, 80.640-80.644min, 1/K0=0.827  
Cmpd 72133, +MS2(717.9881), 31.9eV, 72.084-72.086min, 1/K0=0.843  
Cmpd 72375, +MS2(717.9887), 31.9eV, 72.2min, 1/K0=0.843 #36455  
Cmpd 62535, +MS2(611.6287), 31.9eV, 68.572-68.574min, 1/K0=0.831  
Cmpd 62458, +MS2(916.9441), 37.0eV, 68.538-68.540min, 1/K0=1.054  
Cmpd 16687, +MS2(922.3826), 37.0eV, 48.247-48.250min, 1/K0=1.005  
Cmpd 46510, +MS2(703.3416), 31.9eV, 62.400-62.402min, 1/K0=0.820  
Cmpd 28932, +MS2(615.8135), 31.9eV, 54.854-54.856min, 1/K0=0.844  
Cmpd 32923, +MS2(750.4092), 37.0eV, 56.7min, 1/K0=0.950 #28305  
Cmpd 51019, +MS2(801.3749), 37.0eV, 64.2min, 1/K0=0.973 #32231  
Cmpd 105298, +MS2(667.0252), 31.9eV, 84.3min, 1/K0=0.789 #42846  
Cmpd 89235, +MS2(807.3918), 37.0eV, 78.446-78.448min, 1/K0=0.960  
Cmpd 88589, +MS2(796.8747), 37.0eV, 78.200-78.201min, 1/K0=0.956  
Cmpd 88434, +MS2(796.8768), 37.0eV, 78.128-78.131min, 1/K0=0.940  
Cmpd 9355, +MS2(616.8246), 37.0eV, 43.5min, 1/K0=0.864 #21275  
Cmpd 101528, +MS2(787.4059), 37.0eV, 83.0min, 1/K0=1.004 #42153  
Cmpd 101830, +MS2(787.4063), 37.0eV, 83.1min, 1/K0=1.001 #42208  
Cmpd 64394, +MS2(773.7400), 37.0eV, 69.342-69.344min, 1/K0=0.882  
Cmpd 45066, +MS2(852.9139), 37.0eV, 61.749-61.756min, 1/K0=1.022  
Cmpd 25738, +MS2(577.2706), 31.9eV, 53.134-53.138min, 1/K0=0.774  
Cmpd 5054, +MS2(885.8910), 37.0eV, 40.160-40.169min, 1/K0=1.019  
Cmpd 16745, +MS2(619.9699), 31.9eV, 48.279-48.283min, 1/K0=0.755  
Cmpd 90284, +MS2(1152.0435), 42.0eV, 78.855-78.861min, 1/K0=1.16  
Cmpd 77365, +MS2(794.0608), 37.0eV, 74.0min, 1/K0=0.903 #37389  
Cmpd 77414, +MS2(794.0628), 37.0eV, 73.979-73.981min, 1/K0=0.903  
Cmpd 24529, +MS2(472.2235), 31.9eV, 52.5min, 1/K0=0.690 #26071  
Cmpd 24319, +MS2(472.2236), 31.9eV, 52.42-52.44min, 1/K0=0.690 #2  
Cmpd 103956, +MS2(650.3590), 37.0eV, 83.857-83.861min, 1/K0=0.87  
Cmpd 24486, +MS2(634.6580), 31.9eV, 52.507-52.509min, 1/K0=0.756  
Cmpd 24428, +MS2(634.6587), 31.9eV, 52.483-52.485min, 1/K0=0.756  
Cmpd 42176, +MS2(851.4288), 37.0eV, 60.630-60.635min, 1/K0=1.044  
Cmpd 42348, +MS2(851.4335), 37.0eV, 60.705-60.713min, 1/K0=1.045  
Cmpd 38728, +MS2(699.6758), 37.0eV, 59.195-59.199min, 1/K0=0.857  
Cmpd 60306, +MS2(751.4061), 37.0eV, 67.754-67.756min, 1/K0=0.968  
Cmpd 98197, +MS2(1082.5743), 42.0eV, 81.779-81.783min, 1/K0=1.22  
Cmpd 98732, +MS2(855.7691), 37.0eV, 81.9min, 1/K0=0.989 #41594  
Cmpd 95838, +MS2(616.3538), 37.0eV, 81.0min, 1/K0=0.864 #41103  
Cmpd 95808, +MS2(616.3542), 31.9eV, 81.0min, 1/K0=0.850 #41097  
Cmpd 95832, +MS2(616.3544), 31.9eV, 81.0min, 1/K0=0.838 #41101  
Cmpd 62145, +MS2(595.6901), 31.9eV, 68.4min, 1/K0=0.785 #34475  
Cmpd 62170, +MS2(595.6907), 31.9eV, 68.4min, 1/K0=0.797 #34478  
Cmpd 115103, +MS2(716.0648), 37.0eV, 86.9min, 1/K0=0.938 #44145  
Cmpd 3813, +MS2(675.3467), 37.0eV, 38.98-38.99min, 1/K0=0.933 #11  
Cmpd 9843, +MS2(758.3666), 37.0eV, 43.871-43.873min, 1/K0=0.920 #

Cmpd 31181, +MS2(761.9333), 37.0eV, 55.954-55.956min, 1/K0=0.994  
Cmpd 65135, +MS2(783.9431), 37.0eV, 69.623-69.625min, 1/K0=0.973  
Cmpd 65103, +MS2(783.9453), 37.0eV, 69.614-69.615min, 1/K0=0.972  
Cmpd 120545, +MS2(910.5504), 42.0eV, 88.3min, 1/K0=1.183 #44882  
Cmpd 115397, +MS2(984.5023), 37.0eV, 86.927-86.929min, 1/K0=0.94  
Cmpd 53523, +MS2(686.8748), 37.0eV, 65.165-65.168min, 1/K0=0.940  
Cmpd 41756, +MS2(897.9364), 42.0eV, 60.470-60.476min, 1/K0=1.077  
Cmpd 77775, +MS2(677.6880), 31.9eV, 74.116-74.118min, 1/K0=0.808  
Cmpd 110834, +MS2(889.4597), 42.0eV, 85.8min, 1/K0=1.109 #43592  
Cmpd 110882, +MS2(889.4617), 42.0eV, 85.8min, 1/K0=1.111 #43597  
Cmpd 46352, +MS2(1018.1124), 37.0eV, 62.33-62.34min, 1/K0=0.931 #  
Cmpd 45661, +MS2(650.8361), 37.0eV, 62.017-62.019min, 1/K0=0.868  
Cmpd 8693, +MS2(725.8488), 37.0eV, 43.085-43.089min, 1/K0=0.906 #  
Cmpd 3077, +MS2(789.8955), 37.0eV, 38.2min, 1/K0=0.965 #18448  
Cmpd 3010, +MS2(789.8980), 37.0eV, 38.116-38.120min, 1/K0=0.965 #  
Cmpd 2994, +MS2(789.9007), 37.0eV, 38.10-38.11min, 1/K0=0.962 #18  
Cmpd 1779, +MS2(578.9643), 31.9eV, 36.9min, 1/K0=0.807 #17744  
Cmpd 69427, +MS2(566.8011), 31.9eV, 71.091-71.095min, 1/K0=0.807  
Cmpd 69453, +MS2(623.3429), 31.9eV, 71.1min, 1/K0=0.852 #35883  
Cmpd 35924, +MS2(662.8182), 31.9eV, 58.029-58.032min, 1/K0=0.840  
Cmpd 17653, +MS2(789.8960), 37.0eV, 48.836-48.844min, 1/K0=1.035  
Cmpd 100237, +MS2(662.8225), 37.0eV, 82.5min, 1/K0=0.875 #41899  
Cmpd 100322, +MS2(662.8241), 37.0eV, 82.566-82.568min, 1/K0=0.87  
Cmpd 69630, +MS2(686.0162), 37.0eV, 71.156-71.158min, 1/K0=0.886  
Cmpd 69340, +MS2(761.4079), 37.0eV, 71.063-71.065min, 1/K0=0.944  
Cmpd 69638, +MS2(761.4065), 37.0eV, 71.160-71.162min, 1/K0=0.958  
Cmpd 10758, +MS2(641.7914), 31.9eV, 44.5min, 1/K0=0.838 #21794  
Cmpd 22682, +MS2(684.3820), 37.0eV, 51.560-51.566min, 1/K0=0.916  
Cmpd 22824, +MS2(684.3821), 37.0eV, 51.6min, 1/K0=0.917 #25600  
Cmpd 105519, +MS2(959.5244), 42.0eV, 84.403-84.407min, 1/K0=1.11  
Cmpd 119542, +MS2(765.7611), 37.0eV, 88.03-88.04min, 1/K0=0.874 #  
Cmpd 82242, +MS2(956.9292), 37.0eV, 75.721-75.723min, 1/K0=1.052  
Cmpd 82159, +MS2(956.9337), 37.0eV, 75.695-75.697min, 1/K0=1.052  
Cmpd 82205, +MS2(956.9320), 37.0eV, 75.710-75.712min, 1/K0=1.052  
Cmpd 82367, +MS2(610.3354), 37.0eV, 75.767-75.774min, 1/K0=0.862  
Cmpd 37623, +MS2(730.8529), 37.0eV, 58.716-58.720min, 1/K0=0.907  
Cmpd 37576, +MS2(730.8558), 37.0eV, 58.697-58.699min, 1/K0=0.908  
Cmpd 37522, +MS2(730.8577), 37.0eV, 58.676-58.678min, 1/K0=0.904  
Cmpd 37403, +MS2(730.8578), 37.0eV, 58.6min, 1/K0=0.907 #29295  
Cmpd 92768, +MS2(609.3095), 31.9eV, 79.82-79.83min, 1/K0=0.853 #4  
Cmpd 92887, +MS2(609.3099), 31.9eV, 79.86-79.87min, 1/K0=0.856 #4  
Cmpd 18803, +MS2(719.8066), 37.0eV, 49.505-49.507min, 1/K0=0.899  
Cmpd 18826, +MS2(719.8077), 37.0eV, 49.520-49.523min, 1/K0=0.901  
Cmpd 94866, +MS2(1010.9920), 42.0eV, 80.673-80.674min, 1/K0=1.07  
Cmpd 95326, +MS2(1010.9903), 42.0eV, 80.8min, 1/K0=1.069 #41009  
Cmpd 115132, +MS2(756.0458), 31.9eV, 86.856-86.865min, 1/K0=0.82  
Cmpd 95500, +MS2(687.8439), 37.0eV, 80.897-80.900min, 1/K0=0.881  
Cmpd 26722, +MS2(672.3458), 31.9eV, 53.6min, 1/K0=0.784 #26655

	Cmpd 26699, +MS2(1008.0176), 42.0eV, 53.62-53.63min, 1/K0=1.102
	Cmpd 26640, +MS2(672.3489), 31.9eV, 53.573-53.578min, 1/K0=0.785
	Cmpd 92396, +MS2(634.8621), 37.0eV, 79.672-79.674min, 1/K0=0.877
	Cmpd 92154, +MS2(812.9520), 37.0eV, 79.584-79.588min, 1/K0=0.981
	Cmpd 73048, +MS2(594.3300), 31.9eV, 72.421-72.423min, 1/K0=0.806
	Cmpd 34862, +MS2(1043.9885), 42.0eV, 57.56-57.57min, 1/K0=1.062
1.000000000000.0	Cmpd 68829, +MS2(662.8378), 37.0eV, 70.9min, 1/K0=0.915 #35772
1.000000000000.0	Cmpd 68882, +MS2(662.8380), 37.0eV, 70.905-70.907min, 1/K0=0.913
	Cmpd 94554, +MS2(789.8770), 37.0eV, 80.545-80.547min, 1/K0=0.946
	Cmpd 78104, +MS2(1240.5855), 42.0eV, 74.249-74.255min, 1/K0=1.16
	Cmpd 100088, +MS2(688.8497), 37.0eV, 82.466-82.468min, 1/K0=0.91
	Cmpd 116077, +MS2(723.8816), 37.0eV, 87.1min, 1/K0=0.914 #44276
	Cmpd 100370, +MS2(801.9376), 37.0eV, 82.587-82.593min, 1/K0=1.00
	Cmpd 56448, +MS2(749.3763), 37.0eV, 66.340-66.342min, 1/K0=0.892
	Cmpd 118266, +MS2(1140.1763), 47.0eV, 87.667-87.669min, 1/K0=1.2
	Cmpd 19506, +MS2(657.8357), 37.0eV, 49.876-49.880min, 1/K0=0.903
	Cmpd 120848, +MS2(683.8716), 37.0eV, 88.4min, 1/K0=0.914 #44920
	Cmpd 71764, +MS2(911.9817), 37.0eV, 71.9min, 1/K0=1.034 #36324
	Cmpd 24341, +MS2(554.8070), 31.9eV, 52.439-52.443min, 1/K0=0.832
	Cmpd 90107, +MS2(642.3125), 31.9eV, 78.800-78.806min, 1/K0=0.846
	Cmpd 47681, +MS2(993.9384), 37.0eV, 62.808-62.814min, 1/K0=1.032
	Cmpd 93393, +MS2(792.3806), 31.9eV, 80.076-80.080min, 1/K0=0.847
	Cmpd 121195, +MS2(980.2193), 42.0eV, 88.432-88.434min, 1/K0=1.12
	Cmpd 51920, +MS2(805.4482), 37.0eV, 64.557-64.559min, 1/K0=1.022
	Cmpd 51831, +MS2(805.4481), 37.0eV, 64.527-64.529min, 1/K0=1.022
	Cmpd 51840, +MS2(805.4492), 37.0eV, 64.5min, 1/K0=1.022 #32418
	Cmpd 11734, +MS2(648.8062), 37.0eV, 45.126-45.128min, 1/K0=0.859
	Cmpd 20843, +MS2(756.8396), 37.0eV, 50.6min, 1/K0=0.903 #25049
	Cmpd 20671, +MS2(756.8408), 37.0eV, 50.50-50.51min, 1/K0=0.905 #
	Cmpd 11598, +MS2(761.8867), 37.0eV, 45.03-45.04min, 1/K0=0.940 #
	Cmpd 64904, +MS2(918.4382), 37.0eV, 69.530-69.532min, 1/K0=0.889
	Cmpd 88307, +MS2(910.9487), 37.0eV, 78.1min, 1/K0=1.027 #39558
	Cmpd 59006, +MS2(912.4446), 37.0eV, 67.247-67.254min, 1/K0=1.000
	Cmpd 59351, +MS2(912.4446), 37.0eV, 67.4min, 1/K0=1.002 #33925
	Cmpd 82563, +MS2(802.3983), 37.0eV, 75.858-75.860min, 1/K0=0.966
	Cmpd 82527, +MS2(802.4001), 37.0eV, 75.841-75.843min, 1/K0=0.972
	Cmpd 99124, +MS2(943.8237), 42.0eV, 82.09-82.11min, 1/K0=1.110 #
1.000000000000.0	Cmpd 93013, +MS2(656.8568), 37.0eV, 79.9min, 1/K0=0.879 #40525
1.000000000000.0	Cmpd 94935, +MS2(656.8572), 37.0eV, 80.705-80.706min, 1/K0=0.881
1.000000000000.0	Cmpd 90900, +MS2(656.8580), 37.0eV, 79.083-79.085min, 1/K0=0.876
1.000000000000.0	Cmpd 85291, +MS2(656.8580), 37.0eV, 76.880-76.882min, 1/K0=0.877
1.000000000000.0	Cmpd 91949, +MS2(656.8586), 37.0eV, 79.5min, 1/K0=0.880 #40305
	Cmpd 76642, +MS2(666.8777), 37.0eV, 73.709-73.711min, 1/K0=0.899
	Cmpd 76560, +MS2(666.8778), 37.0eV, 73.7min, 1/K0=0.900 #37244
	Cmpd 43893, +MS2(866.4378), 42.0eV, 61.4min, 1/K0=1.056 #30746
	Cmpd 43625, +MS2(866.4383), 37.0eV, 61.264-61.266min, 1/K0=1.053
	Cmpd 43716, +MS2(952.4804), 42.0eV, 61.3min, 1/K0=1.133 #30713
	Cmpd 43561, +MS2(952.4811), 42.0eV, 61.246-61.247min, 1/K0=1.132

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Cmpd 25027, +MS2(640.6507), 31.9eV, 52.760-52.762min, 1/K0=0.792  
Cmpd 16123, +MS2(838.4160), 37.0eV, 47.911-47.917min, 1/K0=0.951  
Cmpd 48880, +MS2(913.4424), 37.0eV, 63.315-63.317min, 1/K0=1.014  
Cmpd 48800, +MS2(913.4443), 37.0eV, 63.3min, 1/K0=1.018 #31758  
Cmpd 13520, +MS2(603.2885), 31.9eV, 46.300-46.302min, 1/K0=0.805  
Cmpd 25478, +MS2(659.8294), 31.9eV, 53.0min, 1/K0=0.854 #26324  
Cmpd 105022, +MS2(847.0718), 37.0eV, 84.239-84.241min, 1/K0=0.86  
Cmpd 73059, +MS2(871.9556), 42.0eV, 72.426-72.430min, 1/K0=1.061  
Cmpd 73125, +MS2(871.9591), 42.0eV, 72.453-72.455min, 1/K0=1.064  
Cmpd 42002, +MS2(995.3821), 37.0eV, 60.561-60.567min, 1/K0=1.040  
Cmpd 41911, +MS2(995.3821), 37.0eV, 60.529-60.531min, 1/K0=1.041  
Cmpd 107359, +MS2(1015.8313), 37.0eV, 84.919-84.921min, 1/K0=1.0  
Cmpd 10640, +MS2(672.3596), 37.0eV, 44.388-44.390min, 1/K0=0.885  
Cmpd 49249, +MS2(865.9395), 37.0eV, 63.5min, 1/K0=1.015 #31858  
Cmpd 49209, +MS2(865.9397), 37.0eV, 63.5min, 1/K0=1.015 #31848  
Cmpd 48926, +MS2(865.9403), 37.0eV, 63.329-63.331min, 1/K0=1.013  
Cmpd 114029, +MS2(1109.1328), 42.0eV, 86.586-86.588min, 1/K0=1.2  
Cmpd 114090, +MS2(868.4972), 37.0eV, 86.6min, 1/K0=1.030 #44015  
Cmpd 81795, +MS2(791.3424), 37.0eV, 75.6min, 1/K0=0.945 #38230  
Cmpd 81675, +MS2(791.3429), 37.0eV, 75.522-75.530min, 1/K0=0.947  
Cmpd 82017, +MS2(791.3432), 37.0eV, 75.6min, 1/K0=0.942 #38271  
Cmpd 2434, +MS2(615.8063), 37.0eV, 37.560-37.564min, 1/K0=0.868 #  
Cmpd 2419, +MS2(615.8083), 37.0eV, 37.55-37.56min, 1/K0=0.869 #18  
Cmpd 72111, +MS2(679.8822), 37.0eV, 72.075-72.077min, 1/K0=0.883  
Cmpd 72181, +MS2(679.8656), 37.0eV, 72.105-72.109min, 1/K0=0.888  
Cmpd 5817, +MS2(844.3799), 37.0eV, 40.834-40.842min, 1/K0=1.020 #  
Cmpd 5797, +MS2(844.3803), 37.0eV, 40.81-40.83min, 1/K0=1.020 #18  
Cmpd 91317, +MS2(741.3999), 37.0eV, 79.249-79.251min, 1/K0=0.997  
Cmpd 72511, +MS2(678.6909), 37.0eV, 72.248-72.250min, 1/K0=0.887  
Cmpd 94643, +MS2(963.4711), 37.0eV, 80.58-80.60min, 1/K0=0.931 #4  
Cmpd 94654, +MS2(963.4713), 37.0eV, 80.587-80.589min, 1/K0=0.948  
Cmpd 18985, +MS2(636.8305), 37.0eV, 49.616-49.619min, 1/K0=0.890  
Cmpd 96000, +MS2(685.3893), 37.0eV, 81.068-81.070min, 1/K0=0.934  
Cmpd 115100, +MS2(980.0389), 42.0eV, 86.9min, 1/K0=1.168 #44145  
Cmpd 29803, +MS2(725.0294), 31.9eV, 55.274-55.276min, 1/K0=0.820  
Cmpd 36228, +MS2(965.9594), 37.0eV, 58.144-58.146min, 1/K0=1.046  
Cmpd 35809, +MS2(965.9646), 37.0eV, 58.0min, 1/K0=1.023 #28954  
Cmpd 35838, +MS2(965.9619), 37.0eV, 58.0min, 1/K0=1.040 #28963  
Cmpd 35672, +MS2(965.9629), 37.0eV, 57.915-57.923min, 1/K0=1.026  
Cmpd 73685, +MS2(596.3177), 31.9eV, 72.654-72.656min, 1/K0=0.813  
Cmpd 73638, +MS2(596.3175), 31.9eV, 72.639-72.647min, 1/K0=0.816  
Cmpd 41006, +MS2(669.8271), 37.0eV, 60.158-60.160min, 1/K0=0.905  
Cmpd 28383, +MS2(866.4167), 37.0eV, 54.6min, 1/K0=0.992 #27149  
Cmpd 39859, +MS2(604.3312), 37.0eV, 59.704-59.706min, 1/K0=0.869  
Cmpd 58646, +MS2(538.2847), 31.9eV, 67.120-67.121min, 1/K0=0.752  
Cmpd 116092, +MS2(1008.5358), 42.0eV, 87.111-87.120min, 1/K0=1.1  
Cmpd 99730, +MS2(1015.5639), 42.0eV, 82.3min, 1/K0=1.200 #41791  
Cmpd 99429, +MS2(1015.5671), 42.0eV, 82.211-82.215min, 1/K0=1.20

Cmpd 85869, +MS2(615.7772), 31.9eV, 77.106-77.109min, 1/K0=0.826  
Cmpd 71504, +MS2(658.8660), 37.0eV, 71.8min, 1/K0=0.900 #36271  
Cmpd 65555, +MS2(839.3783), 37.0eV, 69.8min, 1/K0=0.975 #35180  
Cmpd 85631, +MS2(849.4361), 37.0eV, 77.002-77.005min, 1/K0=1.027  
Cmpd 53950, +MS2(642.3503), 37.0eV, 65.3min, 1/K0=0.903 #32848  
Cmpd 26670, +MS2(699.8621), 37.0eV, 53.599-53.607min, 1/K0=0.922  
Cmpd 26253, +MS2(699.8626), 37.0eV, 53.401-53.403min, 1/K0=0.938  
Cmpd 26230, +MS2(699.8656), 37.0eV, 53.388-53.392min, 1/K0=0.941  
Cmpd 59655, +MS2(1055.4743), 42.0eV, 67.506-67.508min, 1/K0=1.07  
Cmpd 27771, +MS2(996.4895), 42.0eV, 54.23-54.25min, 1/K0=1.067 #2  
Cmpd 27903, +MS2(996.4864), 37.0eV, 54.29-54.31min, 1/K0=1.048 #2  
Cmpd 27728, +MS2(996.4898), 42.0eV, 54.2min, 1/K0=1.063 #26961  
Cmpd 92179, +MS2(581.3147), 31.9eV, 79.596-79.597min, 1/K0=0.855  
Cmpd 14529, +MS2(631.3490), 31.9eV, 46.890-46.894min, 1/K0=0.842  
Cmpd 74496, +MS2(706.8630), 37.0eV, 72.952-72.956min, 1/K0=0.927  
Cmpd 74287, +MS2(971.9599), 42.0eV, 72.878-72.882min, 1/K0=1.116  
Cmpd 95920, +MS2(776.4024), 37.0eV, 81.043-81.047min, 1/K0=0.932  
Cmpd 88908, +MS2(1069.8288), 37.0eV, 78.313-78.315min, 1/K0=0.95  
Cmpd 108808, +MS2(893.9953), 42.0eV, 85.278-85.280min, 1/K0=1.06  
Cmpd 108813, +MS2(1064.0994), 42.0eV, 85.280-85.282min, 1/K0=1.2  
Cmpd 63742, +MS2(673.3527), 37.0eV, 69.100-69.102min, 1/K0=0.918  
Cmpd 103230, +MS2(720.3590), 37.0eV, 83.6min, 1/K0=0.917 #42476  
Cmpd 103108, +MS2(812.9009), 37.0eV, 83.6min, 1/K0=0.934 #42456  
Cmpd 103150, +MS2(812.9024), 37.0eV, 83.603-83.605min, 1/K0=0.97  
Cmpd 62234, +MS2(655.8866), 37.0eV, 68.458-68.462min, 1/K0=0.883  
Cmpd 48148, +MS2(839.9211), 37.0eV, 63.011-63.013min, 1/K0=0.960  
Cmpd 20596, +MS2(683.2911), 37.0eV, 50.457-50.459min, 1/K0=0.878  
Cmpd 92806, +MS2(1324.1163), 42.0eV, 79.833-79.837min, 1/K0=1.21  
Cmpd 10208, +MS2(594.7833), 31.9eV, 44.083-44.087min, 1/K0=0.844  
Cmpd 112196, +MS2(682.8556), 37.0eV, 86.128-86.130min, 1/K0=0.92  
Cmpd 19436, +MS2(597.2930), 31.9eV, 49.8min, 1/K0=0.805 #24642  
Cmpd 93180, +MS2(806.0743), 37.0eV, 79.992-79.998min, 1/K0=0.871  
Cmpd 38822, +MS2(818.4039), 37.0eV, 59.2min, 1/K0=0.972 #29623  
Cmpd 38773, +MS2(818.4072), 37.0eV, 59.218-59.220min, 1/K0=0.970  
Cmpd 38858, +MS2(818.4095), 37.0eV, 59.254-59.258min, 1/K0=0.973  
Cmpd 93924, +MS2(959.9712), 42.0eV, 80.283-80.284min, 1/K0=1.058  
Cmpd 107867, +MS2(962.0187), 42.0eV, 85.0min, 1/K0=1.130 #43217  
Cmpd 91524, +MS2(765.7361), 37.0eV, 79.3min, 1/K0=0.962 #40217  
Cmpd 3067, +MS2(608.8218), 37.0eV, 38.182-38.185min, 1/K0=0.857 #  
Cmpd 3397, +MS2(751.3257), 37.0eV, 38.554-38.561min, 1/K0=0.909 #  
Cmpd 102251, +MS2(908.4541), 37.0eV, 83.286-83.288min, 1/K0=0.89  
Cmpd 28165, +MS2(808.3888), 37.0eV, 54.417-54.425min, 1/K0=0.967  
Cmpd 28296, +MS2(808.3884), 37.0eV, 54.5min, 1/K0=0.964 #27116  
Cmpd 113643, +MS2(821.4786), 37.0eV, 86.5min, 1/K0=1.015 #43958  
Cmpd 14097, +MS2(747.3678), 37.0eV, 46.604-46.608min, 1/K0=0.932  
Cmpd 95969, +MS2(955.0203), 42.0eV, 81.061-81.062min, 1/K0=1.090  
Cmpd 75832, +MS2(1000.0011), 42.0eV, 73.455-73.457min, 1/K0=1.05  
Cmpd 75819, +MS2(1000.0032), 42.0eV, 73.447-73.453min, 1/K0=1.07

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Cmpd 76006, +MS2(1000.0049), 42.0eV, 73.520-73.524min, 1/K0=1.05  
Cmpd 54568, +MS2(659.3412), 37.0eV, 65.562-65.566min, 1/K0=0.913  
Cmpd 115362, +MS2(912.5153), 42.0eV, 86.9min, 1/K0=1.100 #44179  
Cmpd 114101, +MS2(1076.0589), 42.0eV, 86.604-86.606min, 1/K0=1.1  
Cmpd 30736, +MS2(731.6870), 37.0eV, 55.729-55.730min, 1/K0=0.901  
Cmpd 54982, +MS2(731.8866), 37.0eV, 65.723-65.729min, 1/K0=0.934  
Cmpd 50283, +MS2(863.4012), 37.0eV, 63.898-63.902min, 1/K0=0.993  
Cmpd 23191, +MS2(530.2943), 31.9eV, 51.833-51.837min, 1/K0=0.780  
Cmpd 111439, +MS2(844.9585), 37.0eV, 85.9min, 1/K0=1.049 #43674  
Cmpd 82091, +MS2(841.4775), 37.0eV, 75.665-75.668min, 1/K0=1.011  
Cmpd 92442, +MS2(908.9322), 37.0eV, 79.695-79.699min, 1/K0=1.025  
Cmpd 86708, +MS2(621.8347), 31.9eV, 77.435-77.443min, 1/K0=0.846  
Cmpd 43868, +MS2(901.9507), 37.0eV, 61.352-61.356min, 1/K0=1.011  
Cmpd 45114, +MS2(901.9547), 37.0eV, 61.77-61.78min, 1/K0=1.019 #  
Cmpd 87700, +MS2(870.9507), 37.0eV, 77.830-77.836min, 1/K0=1.023  
Cmpd 88044, +MS2(870.9499), 37.0eV, 78.0min, 1/K0=1.019 #39502  
Cmpd 25045, +MS2(662.6518), 31.9eV, 52.8min, 1/K0=0.773 #26202  
Cmpd 25071, +MS2(662.6544), 31.9eV, 52.78-52.79min, 1/K0=0.773 #  
Cmpd 20857, +MS2(576.3156), 37.0eV, 50.607-50.614min, 1/K0=0.869  
Cmpd 75676, +MS2(709.0264), 37.0eV, 73.392-73.394min, 1/K0=0.878  
Cmpd 75929, +MS2(709.0279), 37.0eV, 73.5min, 1/K0=0.877 #37139  
Cmpd 112571, +MS2(671.8801), 37.0eV, 86.223-86.225min, 1/K0=0.88  
Cmpd 112423, +MS2(671.8817), 37.0eV, 86.2min, 1/K0=0.950 #43804  
Cmpd 11952, +MS2(573.3268), 31.9eV, 45.3min, 1/K0=0.822 #22222  
Cmpd 5648, +MS2(664.3134), 37.0eV, 40.692-40.694min, 1/K0=0.871 #  
Cmpd 5438, +MS2(694.8884), 37.0eV, 40.512-40.520min, 1/K0=0.907 #  
Cmpd 17976, +MS2(678.6493), 37.0eV, 49.0min, 1/K0=0.877 #24213  
Cmpd 60020, +MS2(916.3967), 37.0eV, 67.641-67.642min, 1/K0=0.984  
Cmpd 81244, +MS2(1118.4849), 42.0eV, 75.4min, 1/K0=1.097 #38127  
Cmpd 80964, +MS2(1118.4872), 42.0eV, 75.263-75.267min, 1/K0=1.10  
Cmpd 74817, +MS2(867.9339), 37.0eV, 73.1min, 1/K0=1.020 #36918  
Cmpd 32290, +MS2(618.8445), 31.9eV, 56.5min, 1/K0=0.855 #28162  
Cmpd 48584, +MS2(834.8963), 37.0eV, 63.191-63.193min, 1/K0=0.964  
Cmpd 68406, +MS2(954.4509), 37.0eV, 70.7min, 1/K0=1.035 #35696  
Cmpd 23328, +MS2(563.3046), 31.9eV, 51.922-51.924min, 1/K0=0.840  
Cmpd 39137, +MS2(779.4639), 37.0eV, 59.381-59.386min, 1/K0=1.039  
Cmpd 93678, +MS2(1075.5164), 42.0eV, 80.188-80.192min, 1/K0=1.10  
Cmpd 102728, +MS2(890.4112), 37.0eV, 83.438-83.446min, 1/K0=0.92  
Cmpd 102674, +MS2(890.4168), 37.0eV, 83.425-83.427min, 1/K0=0.94  
Cmpd 68315, +MS2(1001.4817), 37.0eV, 70.711-70.715min, 1/K0=1.05  
Cmpd 68222, +MS2(1001.4894), 42.0eV, 70.7min, 1/K0=1.057 #35664  
Cmpd 76955, +MS2(674.3468), 37.0eV, 73.813-73.814min, 1/K0=0.890  
Cmpd 81713, +MS2(536.6250), 31.9eV, 75.533-75.543min, 1/K0=0.764  
Cmpd 60028, +MS2(977.5052), 42.0eV, 67.644-67.654min, 1/K0=1.108  
Cmpd 80457, +MS2(738.7321), 31.9eV, 75.075-75.077min, 1/K0=0.841  
Cmpd 80726, +MS2(738.7338), 31.9eV, 75.2min, 1/K0=0.842 #38028  
Cmpd 95482, +MS2(1053.4917), 37.0eV, 80.891-80.893min, 1/K0=0.96  
Cmpd 92489, +MS2(1158.2192), 37.0eV, 79.712-79.714min, 1/K0=0.99

Cmpd 50505, +MS2(601.8049), 37.0eV, 63.974-63.981min, 1/K0=0.881  
Cmpd 39085, +MS2(648.3051), 31.9eV, 59.354-59.360min, 1/K0=0.847  
Cmpd 82452, +MS2(774.9187), 37.0eV, 75.805-75.807min, 1/K0=0.949  
Cmpd 82571, +MS2(774.9425), 37.0eV, 75.9min, 1/K0=0.948 #38389  
Cmpd 82619, +MS2(774.9429), 37.0eV, 75.881-75.883min, 1/K0=0.948  
Cmpd 27239, +MS2(896.9220), 37.0eV, 53.904-53.910min, 1/K0=0.996  
Cmpd 27380, +MS2(896.9220), 37.0eV, 54.0min, 1/K0=0.991 #26841  
Cmpd 75793, +MS2(674.0162), 37.0eV, 73.438-73.440min, 1/K0=0.896  
Cmpd 48055, +MS2(750.4103), 37.0eV, 63.0min, 1/K0=0.962 #31594  
Cmpd 99703, +MS2(1081.0443), 42.0eV, 82.317-82.319min, 1/K0=1.11  
Cmpd 99650, +MS2(1081.0523), 42.0eV, 82.3min, 1/K0=1.115 #41778  
Cmpd 100540, +MS2(704.8911), 37.0eV, 82.651-82.653min, 1/K0=0.92  
Cmpd 25100, +MS2(769.3846), 37.0eV, 52.800-52.809min, 1/K0=0.927  
Cmpd 37314, +MS2(687.3783), 37.0eV, 58.581-58.587min, 1/K0=0.903  
Cmpd 67861, +MS2(818.4130), 37.0eV, 70.571-70.573min, 1/K0=0.995  
Cmpd 24620, +MS2(614.8516), 31.9eV, 52.6min, 1/K0=0.847 #26093  
Cmpd 23791, +MS2(614.8535), 31.9eV, 52.2min, 1/K0=0.846 #25874  
Cmpd 23662, +MS2(614.8542), 31.9eV, 52.1min, 1/K0=0.848 #25842  
Cmpd 94823, +MS2(922.4738), 37.0eV, 80.654-80.657min, 1/K0=1.003  
Cmpd 38715, +MS2(867.4385), 37.0eV, 59.186-59.193min, 1/K0=1.006  
Cmpd 38888, +MS2(867.4424), 37.0eV, 59.267-59.271min, 1/K0=1.008  
Cmpd 38674, +MS2(867.4441), 37.0eV, 59.2min, 1/K0=1.003 #29586  
Cmpd 93952, +MS2(830.4518), 37.0eV, 80.3min, 1/K0=0.982 #40723  
Cmpd 69180, +MS2(596.6668), 31.9eV, 71.010-71.014min, 1/K0=0.839  
Cmpd 71898, +MS2(596.6660), 31.9eV, 71.994-71.998min, 1/K0=0.842  
Cmpd 73195, +MS2(661.8113), 31.9eV, 72.476-72.480min, 1/K0=0.852  
Cmpd 73014, +MS2(661.8202), 31.9eV, 72.411-72.413min, 1/K0=0.847  
Cmpd 70863, +MS2(928.9178), 37.0eV, 71.596-71.600min, 1/K0=1.014  
Cmpd 108878, +MS2(649.3933), 37.0eV, 85.294-85.295min, 1/K0=0.88  
Cmpd 72312, +MS2(669.3221), 37.0eV, 72.163-72.165min, 1/K0=0.878  
Cmpd 115475, +MS2(779.9501), 37.0eV, 87.0min, 1/K0=1.028 #44196  
Cmpd 14593, +MS2(641.3654), 37.0eV, 46.931-46.933min, 1/K0=0.890  
Cmpd 14622, +MS2(641.3656), 37.0eV, 47.0min, 1/K0=0.890 #23112  
Cmpd 69743, +MS2(714.3809), 37.0eV, 71.192-71.196min, 1/K0=0.909  
Cmpd 17885, +MS2(741.8381), 37.0eV, 48.966-48.972min, 1/K0=0.906  
Cmpd 17829, +MS2(741.8349), 37.0eV, 48.936-48.938min, 1/K0=0.904  
Cmpd 55819, +MS2(827.3828), 37.0eV, 66.057-66.063min, 1/K0=0.947  
Cmpd 6256, +MS2(708.8681), 37.0eV, 41.3min, 1/K0=0.913 #20087  
Cmpd 6129, +MS2(708.8685), 37.0eV, 41.145-41.149min, 1/K0=0.909 #  
Cmpd 93606, +MS2(855.4633), 37.0eV, 80.157-80.159min, 1/K0=1.008  
Cmpd 60438, +MS2(944.8897), 37.0eV, 67.805-67.807min, 1/K0=0.998  
Cmpd 60420, +MS2(944.8918), 37.0eV, 67.8min, 1/K0=0.998 #34143  
Cmpd 93689, +MS2(621.3311), 37.0eV, 80.190-80.199min, 1/K0=0.880  
Cmpd 93383, +MS2(861.7453), 37.0eV, 80.1min, 1/K0=0.908 #40605  
Cmpd 93423, +MS2(861.7453), 37.0eV, 80.1min, 1/K0=0.914 #40615  
Cmpd 63332, +MS2(618.8358), 37.0eV, 68.93-68.95min, 1/K0=0.890 #  
Cmpd 92287, +MS2(1013.5007), 42.0eV, 79.640-79.643min, 1/K0=1.10  
Cmpd 102447, +MS2(695.3765), 37.0eV, 83.352-83.354min, 1/K0=0.90



Cmpd 25766, +MS2(837.4327), 42.0eV, 53.153-53.159min, 1/K0=1.064  
Cmpd 74500, +MS2(658.3289), 37.0eV, 72.954-72.956min, 1/K0=0.872  
Cmpd 72689, +MS2(894.9478), 42.0eV, 72.316-72.322min, 1/K0=1.106  
Cmpd 92839, +MS2(835.7792), 37.0eV, 79.844-79.846min, 1/K0=0.916  
Cmpd 25670, +MS2(715.8720), 37.0eV, 53.106-53.108min, 1/K0=0.899  
Cmpd 25710, +MS2(715.8713), 37.0eV, 53.117-53.123min, 1/K0=0.903  
Cmpd 64485, +MS2(758.8765), 37.0eV, 69.371-69.373min, 1/K0=0.944  
Cmpd 17123, +MS2(731.3375), 37.0eV, 48.533-48.539min, 1/K0=0.889  
Cmpd 102669, +MS2(843.1120), 37.0eV, 83.423-83.425min, 1/K0=0.89  
Cmpd 102576, +MS2(843.1101), 37.0eV, 83.39-83.41min, 1/K0=0.930  
Cmpd 31520, +MS2(573.2672), 37.0eV, 56.1min, 1/K0=0.858 #27977  
Cmpd 62929, +MS2(592.3350), 31.9eV, 68.750-68.753min, 1/K0=0.842  
Cmpd 61750, +MS2(592.3363), 31.9eV, 68.3min, 1/K0=0.847 #34400  
Cmpd 46603, +MS2(611.3066), 31.9eV, 62.4min, 1/K0=0.829 #31310  
Cmpd 121544, +MS2(1264.1076), 42.0eV, 88.515-88.523min, 1/K0=1.2  
Cmpd 62636, +MS2(777.3729), 37.0eV, 68.6min, 1/K0=0.986 #34575  
Cmpd 30424, +MS2(709.3875), 31.9eV, 55.570-55.574min, 1/K0=0.831  
Cmpd 65367, +MS2(928.4919), 37.0eV, 69.70-69.72min, 1/K0=1.027 #  
Cmpd 92824, +MS2(857.4180), 37.0eV, 79.837-79.839min, 1/K0=1.021  
Cmpd 89772, +MS2(688.7281), 37.0eV, 78.684-78.686min, 1/K0=0.875  
Cmpd 61336, +MS2(781.6971), 37.0eV, 68.14-68.15min, 1/K0=0.858 #  
Cmpd 83217, +MS2(664.3790), 37.0eV, 76.106-76.108min, 1/K0=0.869  
Cmpd 80367, +MS2(675.9858), 31.9eV, 75.044-75.048min, 1/K0=0.834  
Cmpd 22173, +MS2(794.3935), 37.0eV, 51.246-51.249min, 1/K0=0.923  
Cmpd 10814, +MS2(721.3543), 37.0eV, 44.521-44.525min, 1/K0=0.940  
Cmpd 10830, +MS2(721.3545), 37.0eV, 44.532-44.536min, 1/K0=0.942  
Cmpd 99427, +MS2(924.4622), 37.0eV, 82.209-82.211min, 1/K0=1.030  
Cmpd 99290, +MS2(924.4624), 37.0eV, 82.2min, 1/K0=1.039 #41702  
Cmpd 99281, +MS2(924.4644), 37.0eV, 82.2min, 1/K0=1.041 #41701  
Cmpd 20819, +MS2(666.8560), 37.0eV, 50.586-50.591min, 1/K0=0.893  
Cmpd 50461, +MS2(832.3986), 37.0eV, 63.962-63.966min, 1/K0=0.975  
Cmpd 50316, +MS2(832.4023), 37.0eV, 63.9min, 1/K0=0.973 #32090  
Cmpd 48050, +MS2(653.8473), 37.0eV, 63.0min, 1/K0=0.910 #31593  
Cmpd 47854, +MS2(653.8475), 37.0eV, 62.886-62.890min, 1/K0=0.906  
Cmpd 8492, +MS2(583.8150), 31.9eV, 42.9min, 1/K0=0.842 #20966  
Cmpd 8517, +MS2(583.8157), 31.9eV, 42.926-42.932min, 1/K0=0.842  
Cmpd 99932, +MS2(839.9503), 37.0eV, 82.403-82.405min, 1/K0=0.973  
Cmpd 118022, +MS2(1001.5503), 42.0eV, 87.6min, 1/K0=1.194 #44532  
Cmpd 117978, +MS2(1001.5541), 42.0eV, 87.6min, 1/K0=1.193 #44528  
Cmpd 113247, +MS2(715.0514), 37.0eV, 86.386-86.390min, 1/K0=0.93  
Cmpd 12685, +MS2(681.8550), 37.0eV, 45.75-45.77min, 1/K0=0.867 #  
Cmpd 12601, +MS2(681.8569), 37.0eV, 45.715-45.725min, 1/K0=0.867  
Cmpd 100267, +MS2(651.3490), 37.0eV, 82.538-82.540min, 1/K0=0.87  
Cmpd 72332, +MS2(739.8593), 37.0eV, 72.2min, 1/K0=0.925 #36445  
Cmpd 86768, +MS2(604.3080), 31.9eV, 77.458-77.467min, 1/K0=0.850  
Cmpd 86668, +MS2(604.3093), 31.9eV, 77.418-77.427min, 1/K0=0.829  
Cmpd 90636, +MS2(795.0371), 31.9eV, 78.990-78.994min, 1/K0=0.855  
Cmpd 61042, +MS2(660.8261), 37.0eV, 68.0min, 1/K0=0.886 #34256

Cmpd 12176, +MS2(719.8458), 37.0eV, 45.440-45.446min, 1/K0=0.894  
Cmpd 14790, +MS2(512.9259), 31.9eV, 47.055-47.061min, 1/K0=0.701  
Cmpd 35759, +MS2(871.9222), 37.0eV, 58.0min, 1/K0=0.975 #28943  
Cmpd 52843, +MS2(913.4164), 37.0eV, 64.891-64.901min, 1/K0=1.045  
Cmpd 81678, +MS2(896.4638), 37.0eV, 75.524-75.528min, 1/K0=1.024  
Cmpd 4435, +MS2(656.3292), 37.0eV, 39.542-39.551min, 1/K0=0.891 #  
Cmpd 4303, +MS2(656.3268), 37.0eV, 39.446-39.448min, 1/K0=0.893 #  
Cmpd 93399, +MS2(803.8914), 37.0eV, 80.080-80.082min, 1/K0=0.955  
Cmpd 113348, +MS2(652.8627), 37.0eV, 86.413-86.415min, 1/K0=0.91  
Cmpd 122266, +MS2(885.4620), 37.0eV, 88.7min, 1/K0=1.036 #45101  
Cmpd 16203, +MS2(623.8319), 31.9eV, 47.953-47.957min, 1/K0=0.843  
Cmpd 75272, +MS2(665.8312), 37.0eV, 73.2min, 1/K0=0.874 #37009  
Cmpd 38373, +MS2(754.6968), 31.9eV, 59.045-59.049min, 1/K0=0.831  
Cmpd 58328, +MS2(778.4443), 37.0eV, 67.0min, 1/K0=0.982 #33737  
Cmpd 58390, +MS2(778.4457), 37.0eV, 67.049-67.053min, 1/K0=0.986  
Cmpd 62129, +MS2(788.8789), 37.0eV, 68.4min, 1/K0=0.958 #34474  
Cmpd 105246, +MS2(585.0130), 31.9eV, 84.313-84.315min, 1/K0=0.77  
Cmpd 18604, +MS2(551.3261), 31.9eV, 49.4min, 1/K0=0.835 #24409  
Cmpd 18614, +MS2(551.3263), 31.9eV, 49.4min, 1/K0=0.836 #24410  
Cmpd 18725, +MS2(551.3269), 31.9eV, 49.5min, 1/K0=0.836 #24443  
Cmpd 19507, +MS2(551.3278), 31.9eV, 49.9min, 1/K0=0.830 #24665  
0.0020002000000000200000000000(Cmpd 92552, +MS2(1120.4630), 37.0eV, 79.740-79.742min, 1/K0=0.97  
Cmpd 56724, +MS2(587.3332), 37.0eV, 66.5min, 1/K0=0.877 #33431  
Cmpd 56552, +MS2(587.3349), 37.0eV, 66.384-66.386min, 1/K0=0.877  
Cmpd 122062, +MS2(713.3810), 37.0eV, 88.6min, 1/K0=0.914 #45072  
Cmpd 50091, +MS2(681.6955), 31.9eV, 63.815-63.817min, 1/K0=0.799  
Cmpd 50138, +MS2(681.6989), 31.9eV, 63.836-63.840min, 1/K0=0.798  
Cmpd 33672, +MS2(734.8476), 37.0eV, 57.1min, 1/K0=0.906 #28481  
Cmpd 33596, +MS2(734.8489), 37.0eV, 57.041-57.043min, 1/K0=0.927  
Cmpd 82811, +MS2(752.3860), 37.0eV, 76.0min, 1/K0=0.920 #38436  
Cmpd 75877, +MS2(711.0580), 31.9eV, 73.470-73.474min, 1/K0=0.840  
Cmpd 121595, +MS2(697.8724), 37.0eV, 88.5min, 1/K0=0.921 #45012  
Cmpd 121647, +MS2(697.8735), 37.0eV, 88.5min, 1/K0=0.924 #45017  
1.0000000000000000.0 Cmpd 122883, +MS2(973.5064), 42.0eV, 88.894-88.895min, 1/K0=1.12  
Cmpd 33278, +MS2(768.8804), 37.0eV, 56.893-56.895min, 1/K0=0.946  
Cmpd 33250, +MS2(768.8819), 37.0eV, 56.886-56.888min, 1/K0=0.946  
Cmpd 24063, +MS2(735.8783), 37.0eV, 52.286-52.292min, 1/K0=0.919  
Cmpd 88556, +MS2(738.9022), 37.0eV, 78.2min, 1/K0=0.933 #39613  
Cmpd 24445, +MS2(635.8390), 37.0eV, 52.5min, 1/K0=0.873 #26050  
Cmpd 24172, +MS2(635.8405), 37.0eV, 52.345-52.347min, 1/K0=0.882  
Cmpd 30963, +MS2(735.0125), 37.0eV, 55.831-55.833min, 1/K0=0.875  
Cmpd 30947, +MS2(735.0133), 37.0eV, 55.8min, 1/K0=0.876 #27819  
Cmpd 28372, +MS2(612.8448), 37.0eV, 54.552-54.554min, 1/K0=0.870  
Cmpd 93926, +MS2(713.3702), 37.0eV, 80.283-80.284min, 1/K0=0.905  
Cmpd 38941, +MS2(757.0300), 31.9eV, 59.296-59.298min, 1/K0=0.832  
Cmpd 38905, +MS2(757.0274), 31.9eV, 59.3min, 1/K0=0.829 #29645  
Cmpd 13207, +MS2(540.3310), 31.9eV, 46.094-46.095min, 1/K0=0.813  
Cmpd 41369, +MS2(600.8106), 31.9eV, 60.311-60.315min, 1/K0=0.833

Cmpd 122425, +MS2(1221.1445), 47.0eV, 88.751-88.753min, 1/K0=1.2  
Cmpd 45970, +MS2(958.4737), 42.0eV, 62.157-62.161min, 1/K0=1.069  
Cmpd 50169, +MS2(754.3659), 37.0eV, 63.8min, 1/K0=0.936 #32058  
Cmpd 121760, +MS2(1067.5995), 47.0eV, 88.576-88.579min, 1/K0=1.2  
Cmpd 101171, +MS2(976.4968), 42.0eV, 82.891-82.893min, 1/K0=1.08  
Cmpd 101481, +MS2(976.4947), 42.0eV, 83.0min, 1/K0=1.073 #42144  
Cmpd 77217, +MS2(885.9733), 37.0eV, 73.905-73.907min, 1/K0=1.016  
Cmpd 41291, +MS2(845.9227), 37.0eV, 60.3min, 1/K0=0.984 #30174  
Cmpd 41104, +MS2(845.9265), 37.0eV, 60.20-60.21min, 1/K0=0.985 #  
Cmpd 45124, +MS2(686.8572), 37.0eV, 61.775-61.777min, 1/K0=0.877  
Cmpd 45078, +MS2(686.8586), 37.0eV, 61.756-61.758min, 1/K0=0.874  
Cmpd 45025, +MS2(686.8595), 37.0eV, 61.734-61.736min, 1/K0=0.874  
Cmpd 52685, +MS2(605.3286), 37.0eV, 64.815-64.819min, 1/K0=0.860  
Cmpd 62840, +MS2(684.9088), 37.0eV, 68.7min, 1/K0=0.983 #34625  
Cmpd 102746, +MS2(745.8905), 37.0eV, 83.447-83.449min, 1/K0=0.94  
Cmpd 96732, +MS2(582.9856), 31.9eV, 81.306-81.312min, 1/K0=0.770  
Cmpd 96852, +MS2(582.9861), 31.9eV, 81.342-81.352min, 1/K0=0.772  
Cmpd 96660, +MS2(710.4061), 31.9eV, 81.282-81.286min, 1/K0=0.854  
Cmpd 88786, +MS2(702.8655), 37.0eV, 78.3min, 1/K0=0.892 #39660  
Cmpd 88309, +MS2(702.8660), 37.0eV, 78.1min, 1/K0=0.909 #39558  
Cmpd 54452, +MS2(702.4033), 37.0eV, 65.524-65.531min, 1/K0=0.982  
Cmpd 43093, +MS2(650.3412), 37.0eV, 61.045-61.049min, 1/K0=0.910  
Cmpd 23220, +MS2(725.3687), 37.0eV, 51.854-51.858min, 1/K0=0.912  
Cmpd 84370, +MS2(909.9578), 37.0eV, 76.526-76.528min, 1/K0=1.032  
Cmpd 95665, +MS2(894.4715), 37.0eV, 80.950-80.952min, 1/K0=1.021  
Cmpd 90565, +MS2(901.1510), 37.0eV, 78.958-78.961min, 1/K0=0.980  
Cmpd 112358, +MS2(713.4007), 37.0eV, 86.170-86.172min, 1/K0=0.89  
Cmpd 103930, +MS2(715.3791), 37.0eV, 83.850-83.851min, 1/K0=0.86  
Cmpd 73814, +MS2(675.3915), 37.0eV, 72.708-72.709min, 1/K0=0.882  
Cmpd 47023, +MS2(753.4442), 37.0eV, 62.6min, 1/K0=0.971 #31396  
Cmpd 49177, +MS2(1074.9362), 42.0eV, 63.440-63.444min, 1/K0=1.08  
Cmpd 89515, +MS2(1340.5884), 42.0eV, 78.571-78.575min, 1/K0=1.17  
Cmpd 89457, +MS2(1340.5863), 42.0eV, 78.5min, 1/K0=1.207 #39802  
Cmpd 36149, +MS2(747.8546), 37.0eV, 58.1min, 1/K0=0.915 #29029  
Cmpd 36238, +MS2(747.8570), 37.0eV, 58.2min, 1/K0=0.910 #29048  
Cmpd 100614, +MS2(810.9281), 37.0eV, 82.678-82.686min, 1/K0=1.00  
Cmpd 19362, +MS2(764.3444), 37.0eV, 49.793-49.797min, 1/K0=0.925  
Cmpd 59483, +MS2(578.9843), 31.9eV, 67.441-67.445min, 1/K0=0.765  
Cmpd 85900, +MS2(842.4130), 37.0eV, 77.121-77.131min, 1/K0=1.045  
Cmpd 46262, +MS2(753.7197), 31.9eV, 62.285-62.287min, 1/K0=0.835  
Cmpd 9876, +MS2(663.2919), 31.9eV, 43.893-43.897min, 1/K0=0.851 #  
Cmpd 17212, +MS2(665.8497), 31.9eV, 48.593-48.595min, 1/K0=0.851  
Cmpd 24027, +MS2(640.3171), 31.9eV, 52.269-52.271min, 1/K0=0.854  
Cmpd 24110, +MS2(640.3179), 31.9eV, 52.313-52.317min, 1/K0=0.854  
Cmpd 25934, +MS2(568.8223), 37.0eV, 53.246-53.250min, 1/K0=0.857  
Cmpd 26019, +MS2(568.8234), 37.0eV, 53.288-53.289min, 1/K0=0.857  
Cmpd 93810, +MS2(671.8391), 37.0eV, 80.235-80.237min, 1/K0=0.907  
Cmpd 102990, +MS2(711.9000), 37.0eV, 83.538-83.540min, 1/K0=0.97

	Cmpd 64075, +MS2(668.3428), 31.9eV, 69.234-69.238min, 1/K0=0.786
	Cmpd 77509, +MS2(917.4771), 37.0eV, 74.014-74.023min, 1/K0=1.039
	Cmpd 38196, +MS2(933.4342), 37.0eV, 58.971-58.979min, 1/K0=1.023
	Cmpd 112255, +MS2(699.4034), 37.0eV, 86.1min, 1/K0=0.950 #43782
	Cmpd 100593, +MS2(699.3630), 37.0eV, 82.669-82.674min, 1/K0=0.87
	Cmpd 2204, +MS2(747.3669), 37.0eV, 37.358-37.368min, 1/K0=0.944 #
	Cmpd 68375, +MS2(854.3896), 37.0eV, 70.7min, 1/K0=0.990 #35688
	Cmpd 4647, +MS2(814.4209), 37.0eV, 39.702-39.709min, 1/K0=0.996 #
	Cmpd 7206, +MS2(814.9166), 37.0eV, 42.03-42.04min, 1/K0=1.003 #2(
	Cmpd 120293, +MS2(999.5243), 42.0eV, 88.2min, 1/K0=1.191 #44852
	Cmpd 64013, +MS2(1114.5619), 42.0eV, 69.206-69.213min, 1/K0=1.22
	Cmpd 33216, +MS2(781.8349), 37.0eV, 56.9min, 1/K0=0.931 #28370
	Cmpd 32978, +MS2(781.8351), 37.0eV, 56.8min, 1/K0=0.933 #28315
0.00000020000000.0	Cmpd 14913, +MS2(789.8272), 37.0eV, 47.142-47.149min, 1/K0=0.917
0.00000020000000.0	Cmpd 14280, +MS2(789.8302), 37.0eV, 46.728-46.736min, 1/K0=0.921
	Cmpd 99545, +MS2(772.4280), 37.0eV, 82.253-82.255min, 1/K0=0.907
	Cmpd 41479, +MS2(725.3578), 37.0eV, 60.359-60.361min, 1/K0=0.915
	Cmpd 64703, +MS2(749.0338), 37.0eV, 69.447-69.449min, 1/K0=0.863
	Cmpd 115688, +MS2(790.4494), 37.0eV, 87.0min, 1/K0=0.993 #44224
	Cmpd 62241, +MS2(674.8649), 37.0eV, 68.464-68.466min, 1/K0=0.903
	Cmpd 1323, +MS2(791.3616), 37.0eV, 36.266-36.275min, 1/K0=0.953 #
1.00000000000000.0	Cmpd 20149, +MS2(812.3654), 37.0eV, 50.204-50.212min, 1/K0=0.997
	Cmpd 82515, +MS2(642.8221), 37.0eV, 75.831-75.841min, 1/K0=0.894
	Cmpd 15088, +MS2(663.8649), 37.0eV, 47.256-47.260min, 1/K0=0.912
	Cmpd 6280, +MS2(526.3012), 31.9eV, 41.29-41.30min, 1/K0=0.777 #2(
	Cmpd 89316, +MS2(786.7309), 37.0eV, 78.478-78.480min, 1/K0=0.916
	Cmpd 83652, +MS2(1206.8712), 37.0eV, 76.264-76.266min, 1/K0=0.98
	Cmpd 60241, +MS2(937.9194), 37.0eV, 67.727-67.729min, 1/K0=1.011
	Cmpd 33487, +MS2(693.8815), 37.0eV, 57.0min, 1/K0=0.905 #28437
	Cmpd 109526, +MS2(1273.6738), 47.0eV, 85.460-85.462min, 1/K0=1.2
	Cmpd 102279, +MS2(702.3719), 37.0eV, 83.299-83.301min, 1/K0=0.90
	Cmpd 88221, +MS2(991.5531), 42.0eV, 78.043-78.044min, 1/K0=1.110
	Cmpd 115602, +MS2(698.0298), 37.0eV, 86.982-86.984min, 1/K0=0.88
	Cmpd 99811, +MS2(978.5084), 42.0eV, 82.352-82.355min, 1/K0=1.069
	Cmpd 44019, +MS2(662.3608), 37.0eV, 61.4min, 1/K0=0.891 #30765
	Cmpd 45299, +MS2(726.8811), 37.0eV, 61.8min, 1/K0=0.911 #31001
	Cmpd 44119, +MS2(726.8814), 37.0eV, 61.4min, 1/K0=0.908 #30779
	Cmpd 17981, +MS2(576.7922), 31.9eV, 49.030-49.036min, 1/K0=0.805
	Cmpd 18083, +MS2(682.8653), 37.0eV, 49.091-49.100min, 1/K0=0.906
	Cmpd 14621, +MS2(760.3715), 37.0eV, 46.95-46.96min, 1/K0=0.949 #
	Cmpd 110510, +MS2(789.0689), 37.0eV, 85.7min, 1/K0=1.008 #43552
	Cmpd 119946, +MS2(770.6988), 37.0eV, 88.1min, 1/K0=0.908 #44807
	Cmpd 86230, +MS2(630.8677), 37.0eV, 77.250-77.252min, 1/K0=0.890
	Cmpd 86201, +MS2(630.8691), 37.0eV, 77.2min, 1/K0=0.886 #39116
	Cmpd 64121, +MS2(817.9045), 37.0eV, 69.255-69.259min, 1/K0=0.982
	Cmpd 49536, +MS2(927.4410), 37.0eV, 63.586-63.588min, 1/K0=1.041
	Cmpd 49453, +MS2(837.7174), 31.9eV, 63.552-63.560min, 1/K0=0.837
	Cmpd 5735, +MS2(659.6539), 31.9eV, 40.759-40.765min, 1/K0=0.791 #

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Cmpd 93433, +MS2(775.8602), 37.0eV, 80.091-80.095min, 1/K0=0.933  
Cmpd 98117, +MS2(826.9666), 37.0eV, 81.76-81.78min, 1/K0=1.047 #4  
Cmpd 38868, +MS2(801.4065), 37.0eV, 59.260-59.262min, 1/K0=0.976  
Cmpd 28623, +MS2(617.6623), 31.9eV, 54.697-54.701min, 1/K0=0.834  
Cmpd 7005, +MS2(641.6309), 31.9eV, 41.87-41.88min, 1/K0=0.788 #20  
Cmpd 30672, +MS2(711.3585), 31.9eV, 55.698-55.700min, 1/K0=0.824  
Cmpd 93197, +MS2(640.8738), 37.0eV, 80.000-80.001min, 1/K0=0.879  
Cmpd 4184, +MS2(618.8259), 31.9eV, 39.33-39.35min, 1/K0=0.848 #19  
Cmpd 98908, +MS2(1004.9803), 42.0eV, 82.01-82.03min, 1/K0=1.102 #  
Cmpd 23327, +MS2(606.8738), 37.0eV, 51.922-51.924min, 1/K0=0.913  
Cmpd 46791, +MS2(663.8597), 37.0eV, 62.5min, 1/K0=0.893 #31351  
Cmpd 7231, +MS2(573.9733), 31.9eV, 42.040-42.044min, 1/K0=0.718 #  
Cmpd 45076, +MS2(615.3471), 37.0eV, 61.755-61.760min, 1/K0=0.865  
Cmpd 94040, +MS2(981.4680), 42.0eV, 80.334-80.335min, 1/K0=1.067  
Cmpd 118299, +MS2(895.9781), 42.0eV, 87.7min, 1/K0=1.058 #44566  
Cmpd 3370, +MS2(498.7800), 31.9eV, 38.530-38.531min, 1/K0=0.783 #  
Cmpd 122537, +MS2(910.5148), 37.0eV, 88.776-88.780min, 1/K0=1.04  
Cmpd 15471, +MS2(708.3540), 37.0eV, 47.512-47.516min, 1/K0=0.877  
Cmpd 61333, +MS2(933.9604), 37.0eV, 68.138-68.140min, 1/K0=1.048  
Cmpd 61293, +MS2(684.3492), 37.0eV, 68.1min, 1/K0=0.866 #34310  
Cmpd 11411, +MS2(750.8818), 37.0eV, 44.931-44.938min, 1/K0=0.950  
Cmpd 54565, +MS2(652.3072), 31.9eV, 65.560-65.569min, 1/K0=0.810  
Cmpd 104344, +MS2(608.3370), 31.9eV, 84.0min, 1/K0=0.855 #42672  
Cmpd 104242, +MS2(714.4147), 37.0eV, 83.962-83.966min, 1/K0=0.93  
Cmpd 100425, +MS2(558.3234), 37.0eV, 82.608-82.610min, 1/K0=0.86  
Cmpd 75661, +MS2(983.9409), 42.0eV, 73.385-73.387min, 1/K0=1.058  
Cmpd 87841, +MS2(557.9769), 31.9eV, 77.9min, 1/K0=0.807 #39455  
Cmpd 87871, +MS2(557.9780), 31.9eV, 77.895-77.897min, 1/K0=0.810  
Cmpd 80477, +MS2(599.8525), 37.0eV, 75.086-75.090min, 1/K0=0.893  
Cmpd 80181, +MS2(656.3960), 37.0eV, 74.978-74.980min, 1/K0=0.925  
Cmpd 1237, +MS2(726.3730), 37.0eV, 36.079-36.086min, 1/K0=0.948 #  
Cmpd 29822, +MS2(1016.4904), 42.0eV, 55.29-55.30min, 1/K0=1.175 #  
Cmpd 78825, +MS2(779.4030), 37.0eV, 74.5min, 1/K0=0.963 #37689  
Cmpd 85221, +MS2(702.8714), 37.0eV, 76.9min, 1/K0=0.907 #38910  
Cmpd 67813, +MS2(788.9202), 37.0eV, 70.6min, 1/K0=0.984 #35597  
Cmpd 17108, +MS2(576.3265), 37.0eV, 48.525-48.531min, 1/K0=0.856  
Cmpd 23412, +MS2(1002.9477), 37.0eV, 51.97-51.99min, 1/K0=1.043 #  
Cmpd 75048, +MS2(663.3858), 37.0eV, 73.1min, 1/K0=0.888 #36961  
Cmpd 45168, +MS2(755.3480), 37.0eV, 61.791-61.794min, 1/K0=0.940  
Cmpd 26756, +MS2(751.4050), 37.0eV, 53.66-53.67min, 1/K0=0.909 #2  
Cmpd 107329, +MS2(780.9186), 37.0eV, 84.9min, 1/K0=0.992 #43146  
Cmpd 6116, +MS2(684.3257), 37.0eV, 41.130-41.138min, 1/K0=0.896 #  
Cmpd 25607, +MS2(639.8223), 31.9eV, 53.070-53.074min, 1/K0=0.852  
Cmpd 111981, +MS2(714.7518), 37.0eV, 86.073-86.075min, 1/K0=0.93  
Cmpd 74144, +MS2(701.8197), 37.0eV, 72.819-72.829min, 1/K0=0.902  
Cmpd 56648, +MS2(684.3335), 37.0eV, 66.4min, 1/K0=0.887 #33418  
Cmpd 117936, +MS2(727.8820), 37.0eV, 87.6min, 1/K0=0.925 #44520  
Cmpd 56390, +MS2(812.5000), 37.0eV, 66.312-66.318min, 1/K0=1.042

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Cmpd 75124, +MS2(698.8387), 37.0eV, 73.176-73.178min, 1/K0=0.896  
Cmpd 62369, +MS2(627.8276), 37.0eV, 68.509-68.511min, 1/K0=0.873  
Cmpd 46261, +MS2(678.3557), 37.0eV, 62.285-62.287min, 1/K0=0.909  
Cmpd 32443, +MS2(740.3930), 37.0eV, 56.551-56.555min, 1/K0=0.904  
Cmpd 32404, +MS2(740.3965), 37.0eV, 56.5min, 1/K0=0.903 #28193  
Cmpd 10947, +MS2(851.9123), 37.0eV, 44.621-44.630min, 1/K0=0.963  
Cmpd 113853, +MS2(701.6869), 31.9eV, 86.5min, 1/K0=0.850 #43985  
Cmpd 90015, +MS2(661.4199), 37.0eV, 78.770-78.779min, 1/K0=0.911  
Cmpd 93904, +MS2(927.1033), 37.0eV, 80.3min, 1/K0=0.911 #40713  
Cmpd 38319, +MS2(669.8782), 37.0eV, 59.017-59.019min, 1/K0=0.880  
Cmpd 78402, +MS2(888.9440), 37.0eV, 74.357-74.359min, 1/K0=1.012  
Cmpd 87454, +MS2(774.3905), 37.0eV, 77.730-77.735min, 1/K0=0.975  
Cmpd 60463, +MS2(534.2892), 31.9eV, 67.811-67.816min, 1/K0=0.787  
Cmpd 54836, +MS2(918.4422), 42.0eV, 65.661-65.666min, 1/K0=1.095  
Cmpd 26445, +MS2(894.5403), 47.0eV, 53.478-53.482min, 1/K0=1.302  
Cmpd 26594, +MS2(894.5422), 47.0eV, 53.55-53.56min, 1/K0=1.300 #2  
Cmpd 72258, +MS2(656.3077), 31.9eV, 72.140-72.144min, 1/K0=0.812  
Cmpd 65292, +MS2(595.8078), 31.9eV, 69.7min, 1/K0=0.828 #35134  
Cmpd 112369, +MS2(911.5628), 42.0eV, 86.2min, 1/K0=1.151 #43798  
Cmpd 95251, +MS2(956.9570), 42.0eV, 80.81-80.83min, 1/K0=1.058 #4  
Cmpd 30409, +MS2(793.3604), 37.0eV, 55.56-55.57min, 1/K0=0.954 #2  
Cmpd 10318, +MS2(945.9354), 37.0eV, 44.172-44.177min, 1/K0=1.054  
Cmpd 10340, +MS2(945.9393), 37.0eV, 44.187-44.196min, 1/K0=1.054  
Cmpd 44780, +MS2(598.6519), 31.9eV, 61.6min, 1/K0=0.796 #30889  
Cmpd 3714, +MS2(603.2810), 31.9eV, 38.891-38.894min, 1/K0=0.838 #  
Cmpd 26392, +MS2(660.3306), 37.0eV, 53.456-53.460min, 1/K0=0.858  
Cmpd 87446, +MS2(986.9883), 42.0eV, 77.726-77.730min, 1/K0=1.058  
Cmpd 86901, +MS2(851.4440), 37.0eV, 77.516-77.522min, 1/K0=0.990  
Cmpd 77470, +MS2(698.0119), 37.0eV, 74.002-74.004min, 1/K0=0.869  
Cmpd 92060, +MS2(640.3517), 31.9eV, 79.544-79.546min, 1/K0=0.854  
Cmpd 16966, +MS2(685.3550), 37.0eV, 48.409-48.417min, 1/K0=0.874  
Cmpd 22825, +MS2(594.3110), 37.0eV, 51.64-51.65min, 1/K0=0.870 #2  
Cmpd 31288, +MS2(809.9484), 37.0eV, 56.0min, 1/K0=0.995 #27919  
Cmpd 75116, +MS2(747.8688), 37.0eV, 73.2min, 1/K0=0.928 #36974  
Cmpd 17808, +MS2(823.9080), 37.0eV, 48.919-48.923min, 1/K0=0.958  
Cmpd 86867, +MS2(685.8838), 37.0eV, 77.505-77.509min, 1/K0=0.906  
Cmpd 121586, +MS2(907.1076), 37.0eV, 88.527-88.529min, 1/K0=1.00  
Cmpd 60240, +MS2(663.3745), 37.0eV, 67.726-67.727min, 1/K0=0.912  
Cmpd 23783, +MS2(812.8526), 37.0eV, 52.154-52.158min, 1/K0=0.955  
Cmpd 55623, +MS2(816.4155), 37.0eV, 65.979-65.983min, 1/K0=0.946  
Cmpd 38923, +MS2(668.8155), 37.0eV, 59.286-59.288min, 1/K0=0.878  
Cmpd 2769, +MS2(829.4635), 37.0eV, 37.9min, 1/K0=1.005 #18294  
Cmpd 56128, +MS2(723.8848), 37.0eV, 66.203-66.205min, 1/K0=0.923  
Cmpd 48586, +MS2(954.9619), 37.0eV, 63.193-63.196min, 1/K0=1.050  
Cmpd 30699, +MS2(609.6374), 31.9eV, 55.710-55.712min, 1/K0=0.828  
Cmpd 769, +MS2(712.8810), 37.0eV, 34.65-34.66min, 1/K0=0.941 #16  
Cmpd 86728, +MS2(632.3460), 37.0eV, 77.444-77.446min, 1/K0=0.902  
Cmpd 20420, +MS2(577.9525), 31.9eV, 50.374-50.382min, 1/K0=0.780

	Cmpd 106550, +MS2(1092.0488), 42.0eV, 84.706-84.708min, 1/K0=1.2
	Cmpd 73504, +MS2(787.4020), 37.0eV, 72.590-72.591min, 1/K0=0.949
	Cmpd 103100, +MS2(645.6812), 37.0eV, 83.6min, 1/K0=0.876 #42453
	Cmpd 14342, +MS2(679.8412), 37.0eV, 46.770-46.773min, 1/K0=0.890
	Cmpd 18931, +MS2(658.8309), 37.0eV, 49.58-49.60min, 1/K0=0.868 #4
	Cmpd 104546, +MS2(734.4248), 37.0eV, 84.075-84.077min, 1/K0=0.92
	Cmpd 22479, +MS2(586.3156), 31.9eV, 51.43-51.44min, 1/K0=0.821 #4
	Cmpd 93081, +MS2(767.4033), 37.0eV, 79.948-79.950min, 1/K0=0.966
	Cmpd 36386, +MS2(693.3895), 37.0eV, 58.2min, 1/K0=0.932 #29085
	Cmpd 95068, +MS2(716.3960), 37.0eV, 80.7min, 1/K0=0.911 #40965
	Cmpd 10687, +MS2(565.2954), 31.9eV, 44.418-44.422min, 1/K0=0.793
	Cmpd 105138, +MS2(673.3682), 37.0eV, 84.275-84.277min, 1/K0=0.91
	Cmpd 54576, +MS2(845.9081), 37.0eV, 65.6min, 1/K0=1.054 #32965
	Cmpd 86928, +MS2(636.3515), 37.0eV, 77.528-77.530min, 1/K0=0.859
	Cmpd 90796, +MS2(936.9634), 42.0eV, 79.046-79.049min, 1/K0=1.054
	Cmpd 89177, +MS2(857.4204), 37.0eV, 78.423-78.425min, 1/K0=0.976
	Cmpd 41787, +MS2(805.3819), 37.0eV, 60.478-60.485min, 1/K0=0.946
	Cmpd 84694, +MS2(780.4247), 37.0eV, 76.6min, 1/K0=0.969 #38801
	Cmpd 105615, +MS2(1158.1091), 42.0eV, 84.4min, 1/K0=1.164 #42901
	Cmpd 94166, +MS2(845.7387), 37.0eV, 80.383-80.387min, 1/K0=0.878
	Cmpd 15316, +MS2(701.8688), 37.0eV, 47.401-47.405min, 1/K0=0.913
	Cmpd 19511, +MS2(582.7965), 31.9eV, 49.880-49.884min, 1/K0=0.821
	Cmpd 65702, +MS2(760.8891), 37.0eV, 69.813-69.818min, 1/K0=0.956
	Cmpd 50976, +MS2(952.4594), 37.0eV, 64.158-64.161min, 1/K0=1.020
	Cmpd 44221, +MS2(880.9591), 37.0eV, 61.451-61.453min, 1/K0=1.038
	Cmpd 3865, +MS2(486.7927), 31.9eV, 39.0min, 1/K0=0.767 #18899
	Cmpd 79750, +MS2(778.3953), 37.0eV, 74.8min, 1/K0=0.953 #37842
	Cmpd 107667, +MS2(1024.8887), 42.0eV, 84.995-85.000min, 1/K0=1.1
	Cmpd 22745, +MS2(772.3468), 37.0eV, 51.598-51.605min, 1/K0=0.935
	Cmpd 40185, +MS2(817.3967), 37.0eV, 59.83-59.84min, 1/K0=0.966 #4
	Cmpd 49901, +MS2(737.8676), 37.0eV, 63.734-63.736min, 1/K0=0.902
	Cmpd 17476, +MS2(678.8623), 37.0eV, 48.73-48.75min, 1/K0=0.896 #4
	Cmpd 100909, +MS2(951.4131), 37.0eV, 82.791-82.794min, 1/K0=1.03
	Cmpd 100845, +MS2(868.4370), 37.0eV, 82.770-82.774min, 1/K0=1.00
	Cmpd 86037, +MS2(936.4347), 37.0eV, 77.174-77.176min, 1/K0=0.908
	Cmpd 81279, +MS2(920.4471), 37.0eV, 75.377-75.379min, 1/K0=1.015
1.00000000000000.0	Cmpd 46061, +MS2(750.9282), 37.0eV, 62.2min, 1/K0=0.986 #31186
	Cmpd 15670, +MS2(550.8021), 31.9eV, 47.7min, 1/K0=0.815 #23486
1.000000000000.0	Cmpd 23686, +MS2(625.3417), 37.0eV, 52.109-52.111min, 1/K0=0.874
	Cmpd 11565, +MS2(544.8129), 31.9eV, 45.012-45.017min, 1/K0=0.844
	Cmpd 91416, +MS2(997.0220), 42.0eV, 79.29-79.31min, 1/K0=1.065 #4
1.0000000000.0	Cmpd 18380, +MS2(506.7889), 31.9eV, 49.3min, 1/K0=0.768 #24344
	Cmpd 46407, +MS2(620.8476), 31.9eV, 62.355-62.357min, 1/K0=0.837
	Cmpd 109635, +MS2(1110.0203), 47.0eV, 85.488-85.492min, 1/K0=1.2
	Cmpd 6531, +MS2(719.8517), 37.0eV, 41.516-41.525min, 1/K0=0.888 #4
	Cmpd 38806, +MS2(897.9248), 37.0eV, 59.230-59.233min, 1/K0=1.004
	Cmpd 103779, +MS2(919.9588), 37.0eV, 83.800-83.804min, 1/K0=1.03
	Cmpd 116252, +MS2(590.7684), 31.9eV, 87.15-87.16min, 1/K0=0.823 #4

Cmpd 109435, +MS2(590.7690), 31.9eV, 85.4min, 1/K0=0.830 #43418  
Cmpd 6693, +MS2(650.8454), 37.0eV, 41.6min, 1/K0=0.891 #20285  
Cmpd 5565, +MS2(684.3135), 37.0eV, 40.619-40.623min, 1/K0=0.907 #  
Cmpd 56803, +MS2(506.2946), 31.9eV, 66.489-66.491min, 1/K0=0.767  
Cmpd 104841, +MS2(1045.0054), 42.0eV, 84.176-84.184min, 1/K0=1.0  
Cmpd 6248, +MS2(610.8313), 37.0eV, 41.257-41.265min, 1/K0=0.870 #  
Cmpd 17042, +MS2(698.8577), 37.0eV, 48.469-48.477min, 1/K0=0.911  
Cmpd 120526, +MS2(542.8055), 31.9eV, 88.3min, 1/K0=0.799 #44880  
Cmpd 100453, +MS2(962.1190), 37.0eV, 82.6min, 1/K0=0.932 #41945  
Cmpd 24103, +MS2(702.3058), 31.9eV, 52.31-52.32min, 1/K0=0.784 #  
Cmpd 21658, +MS2(767.8446), 37.0eV, 50.911-50.916min, 1/K0=0.914  
Cmpd 34460, +MS2(585.8011), 31.9eV, 57.349-57.353min, 1/K0=0.808  
Cmpd 94192, +MS2(908.5276), 37.0eV, 80.4min, 1/K0=1.053 #40778  
Cmpd 111118, +MS2(995.6510), 47.0eV, 85.854-85.856min, 1/K0=1.38



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#19042-19045  
#20417-20419

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‡ #23966-23968

#19526-19528  
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