

Development of a Mass Spectrometric Method based on Hydrogen-Deuterium Exchange (HDX-MS) for the Determination of Epitope Regions of Glycoproteins in High Throughput

Appendix Data

Dissertation

der Mathematisch-Naturwissenschaftlichen Fakultät
der Eberhard Karls Universität Tübingen
zur Erlangung des Grades eines
Doktors der Naturwissenschaften
(Dr. rer. nat.)

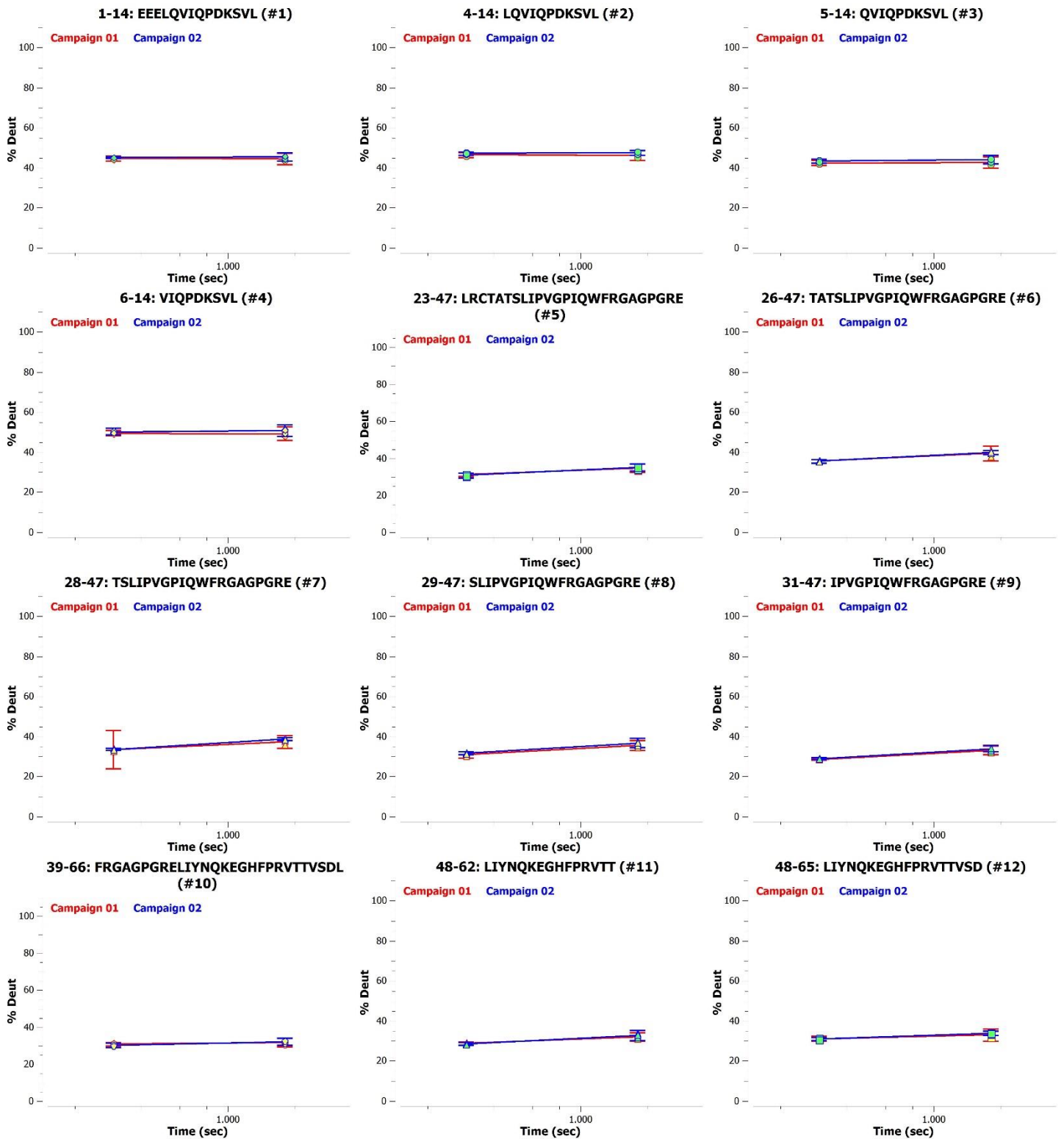
vorgelegt von
Marius Johannes Gramlich
aus Weinheim

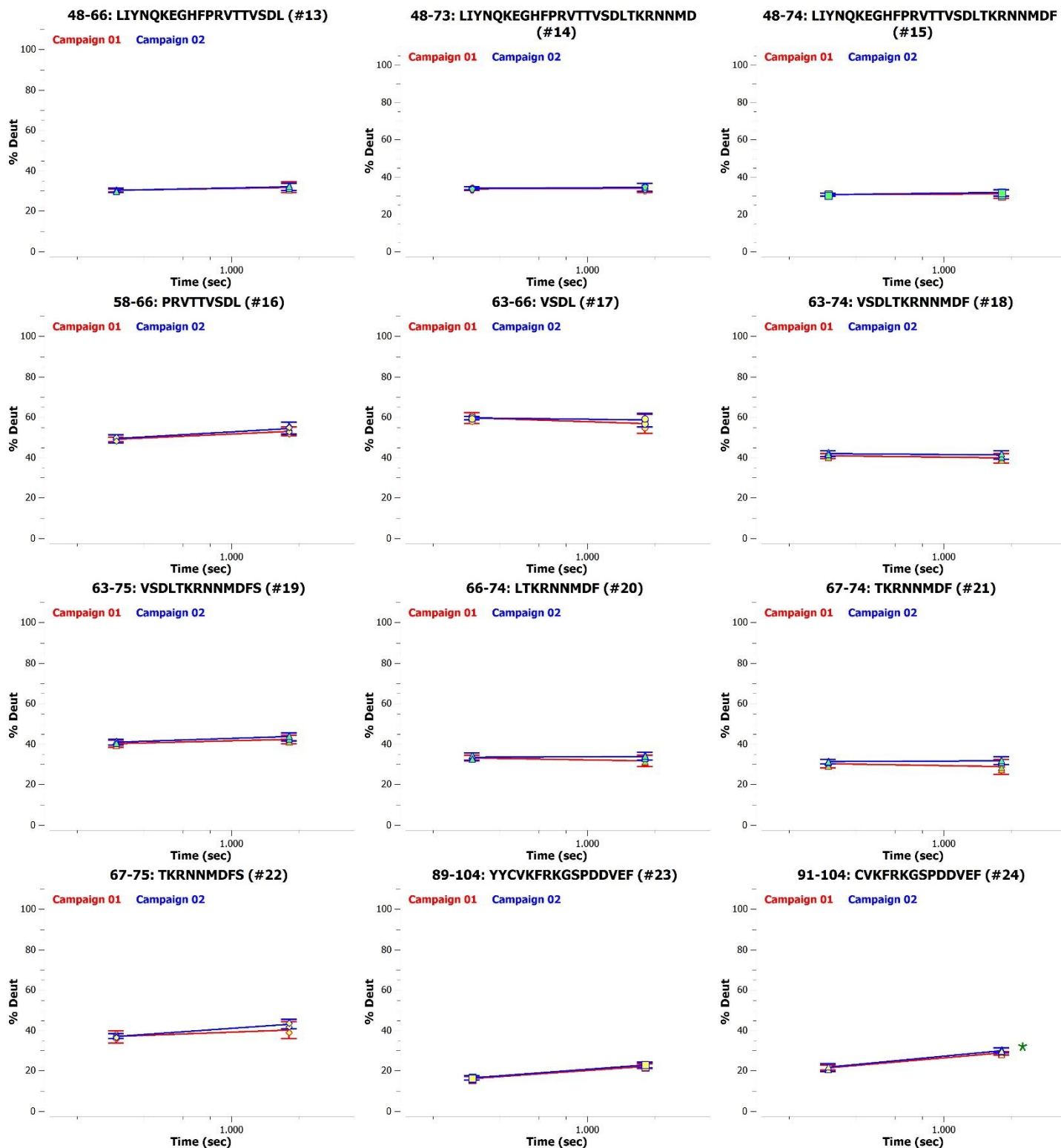
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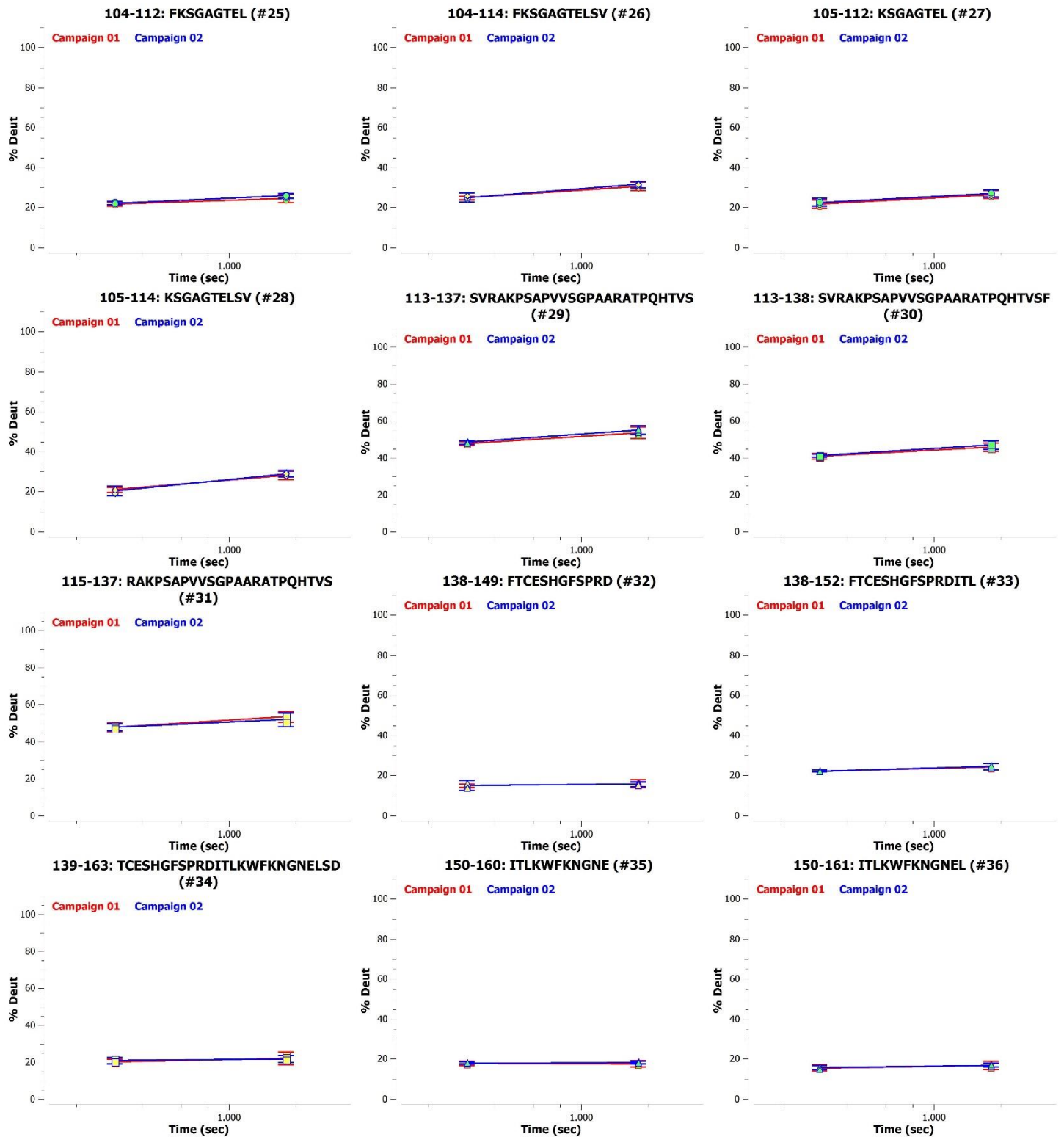
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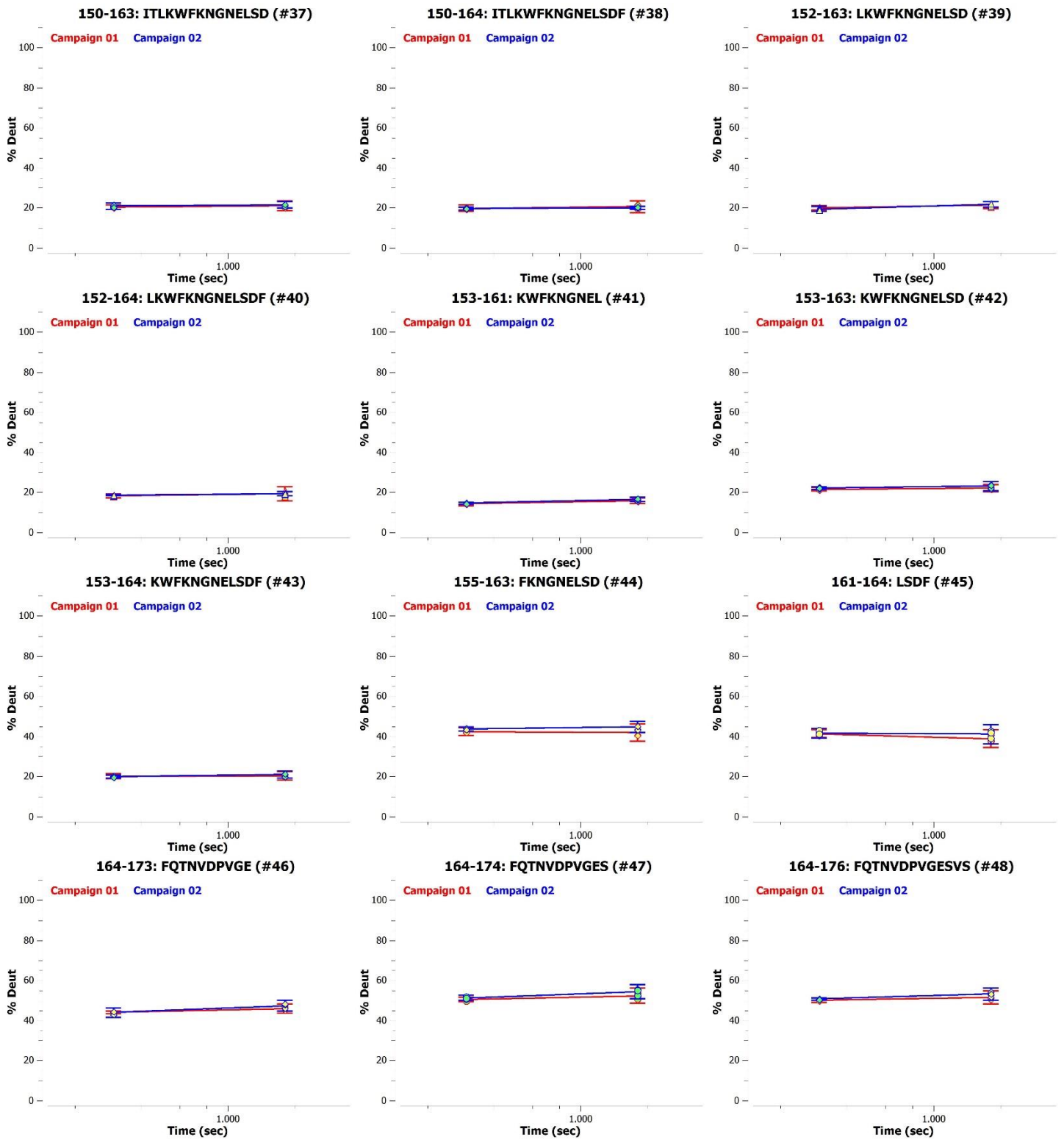
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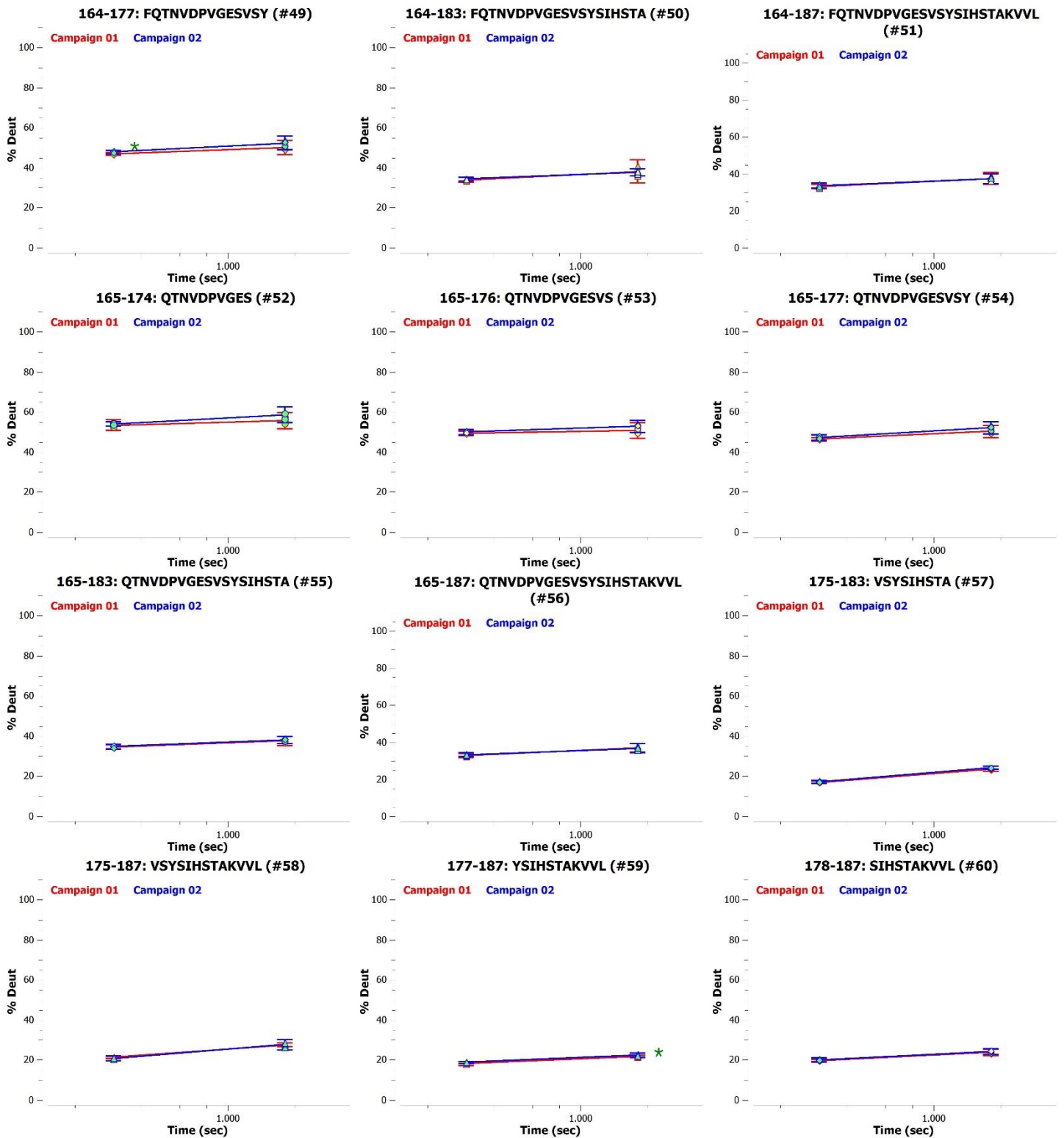
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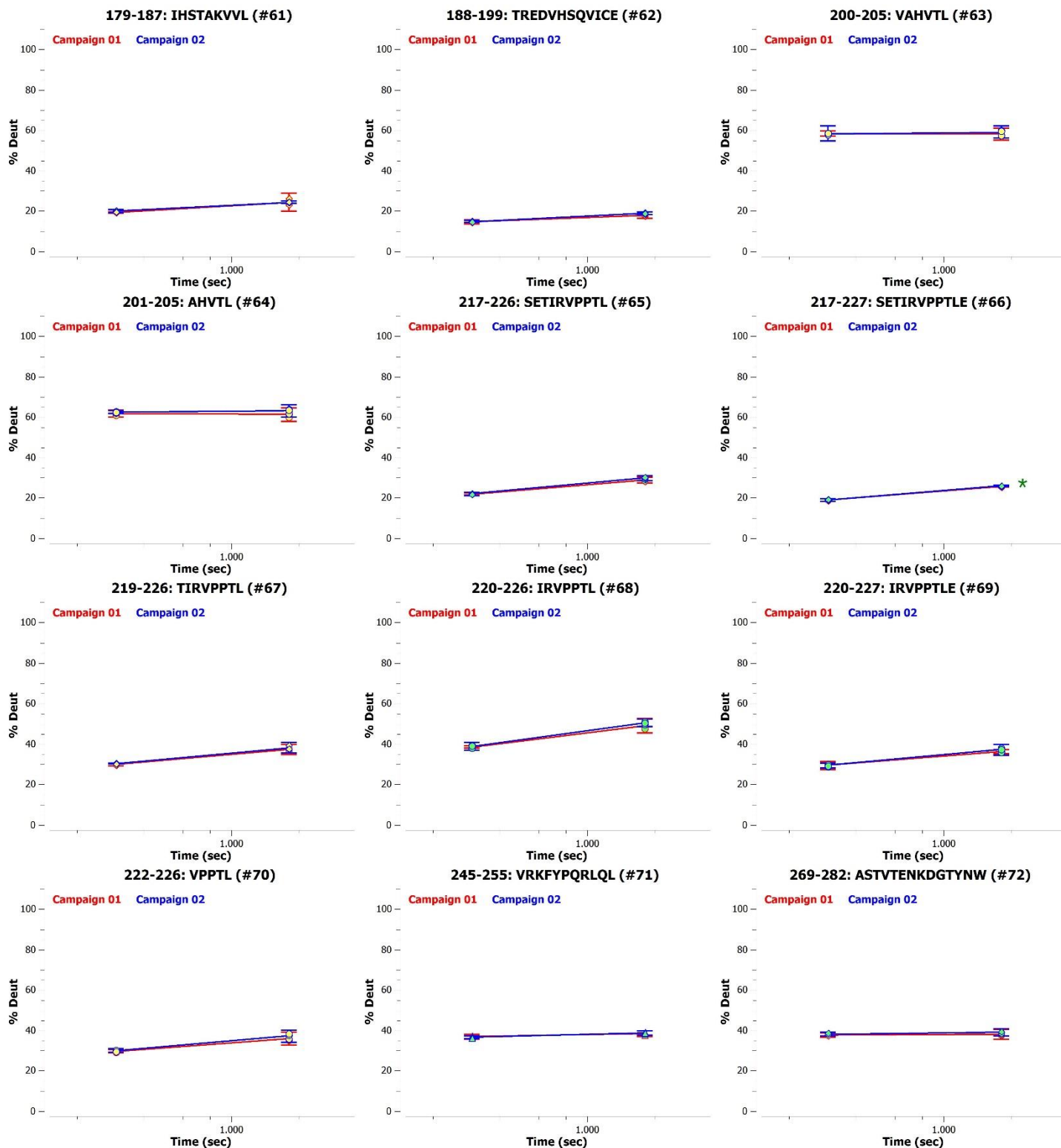


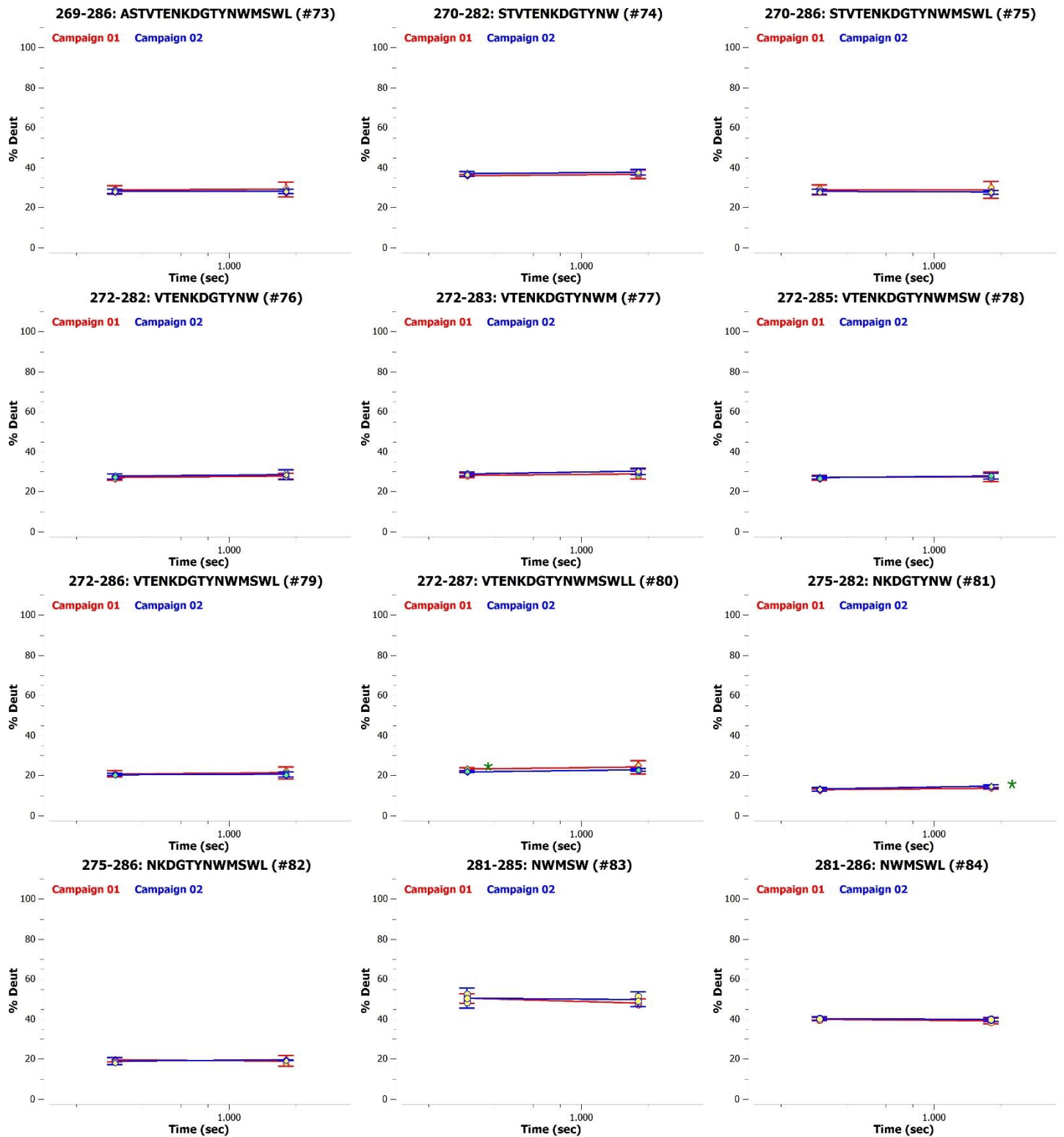












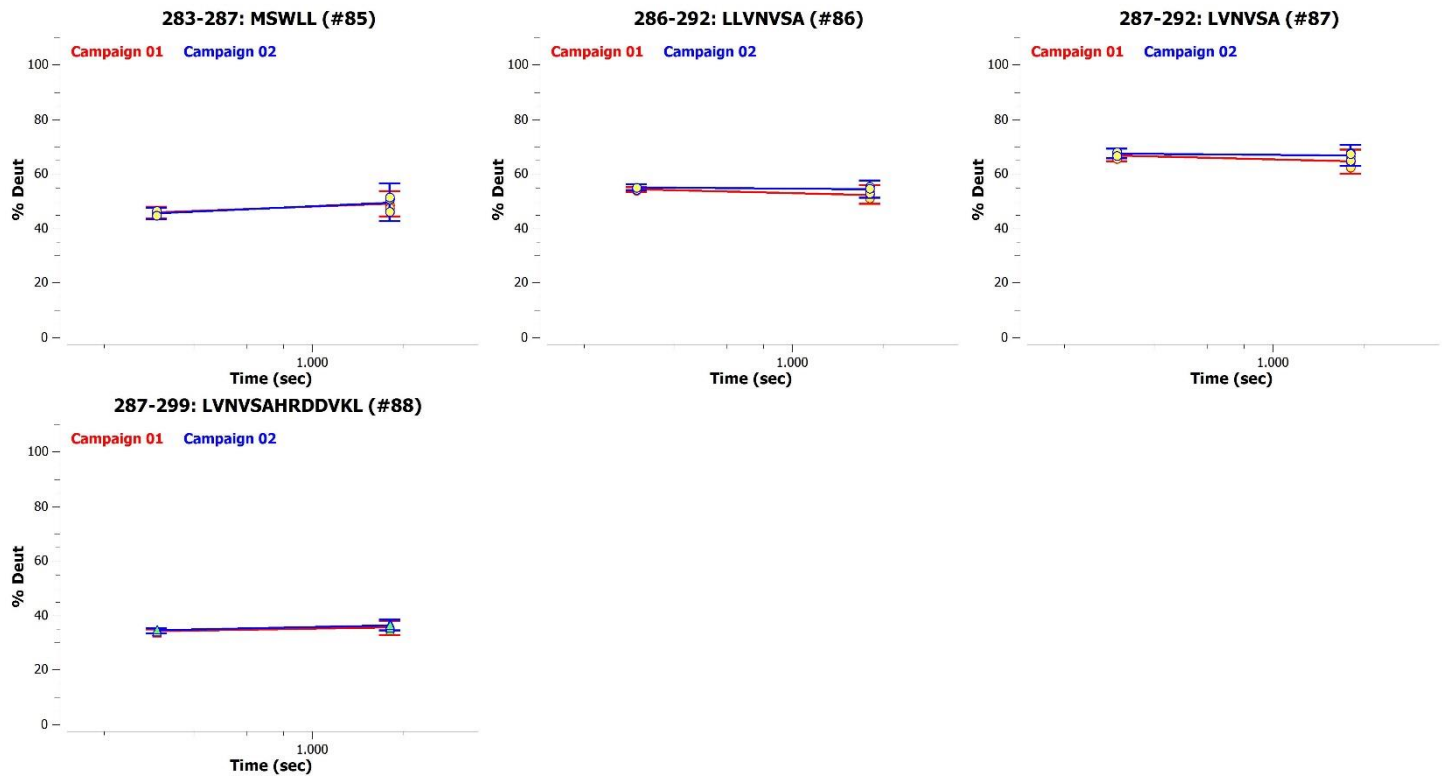
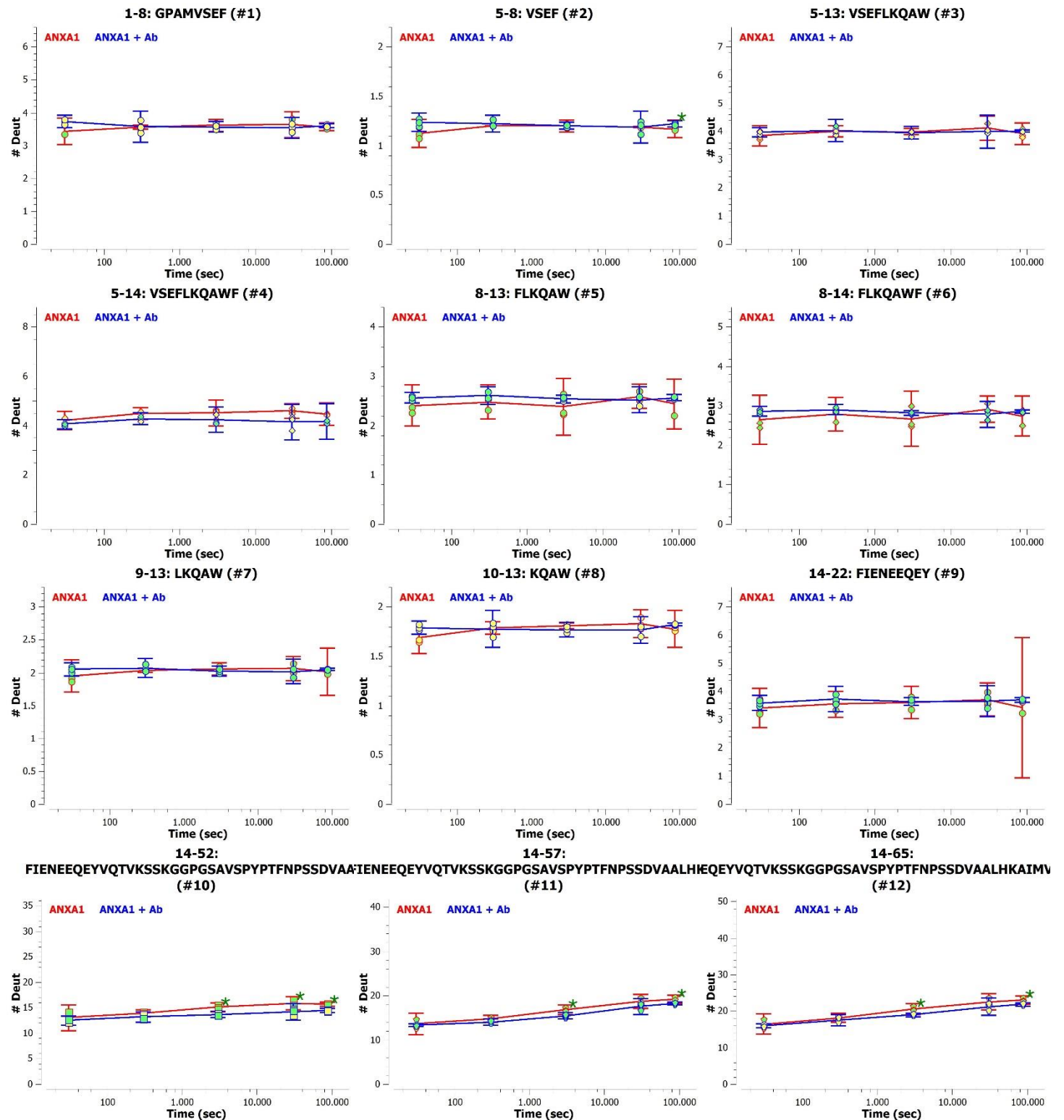
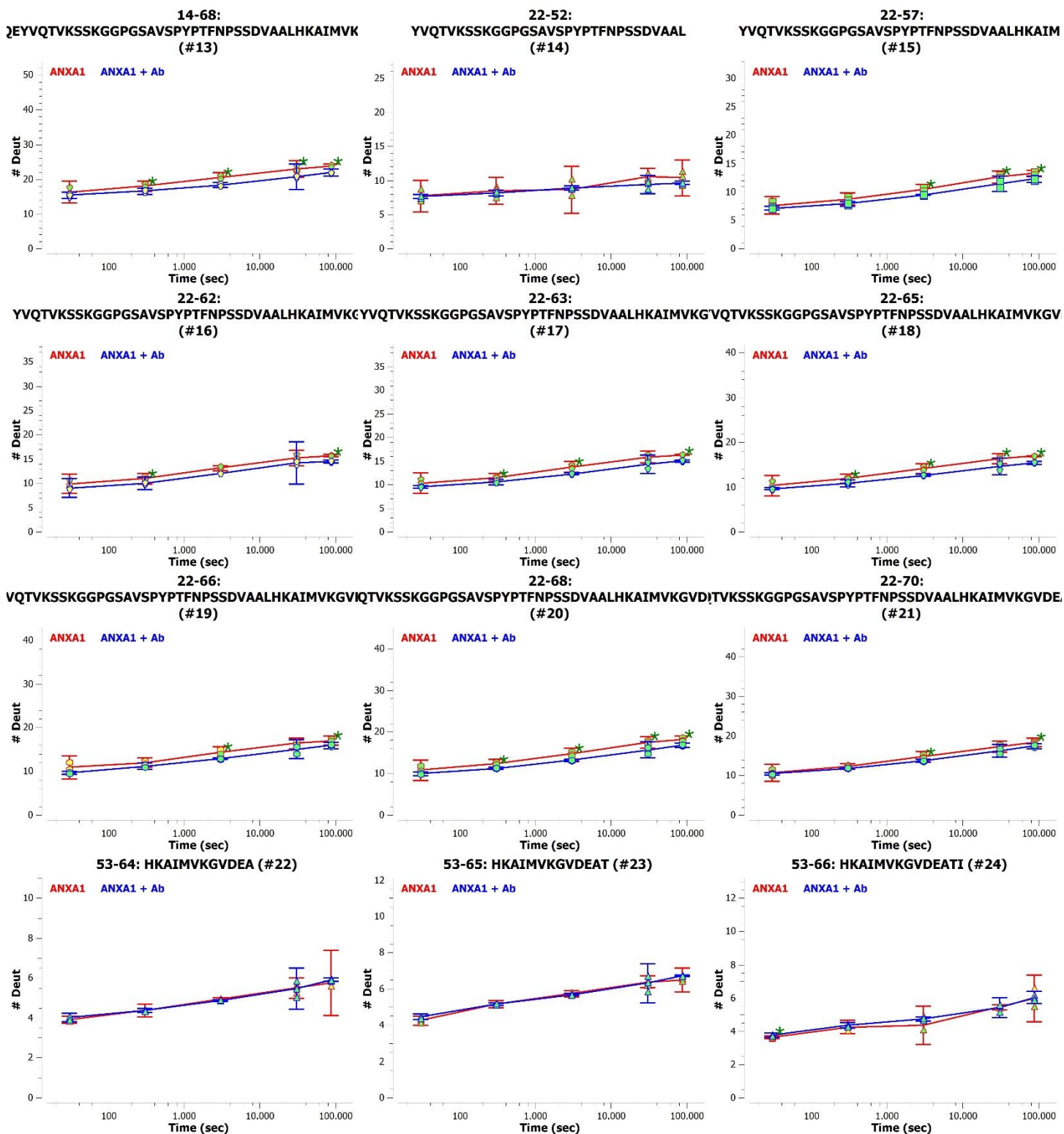
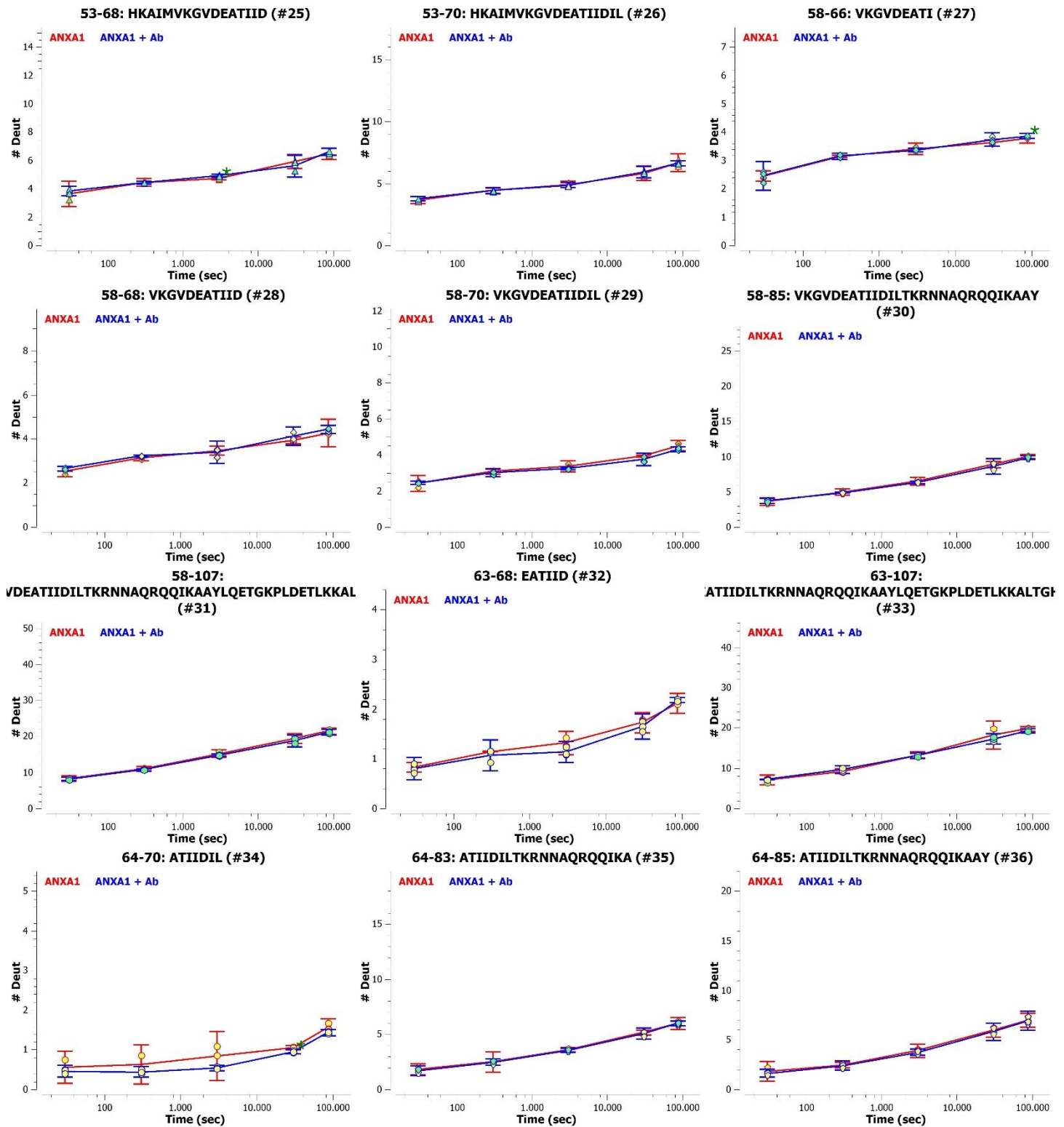


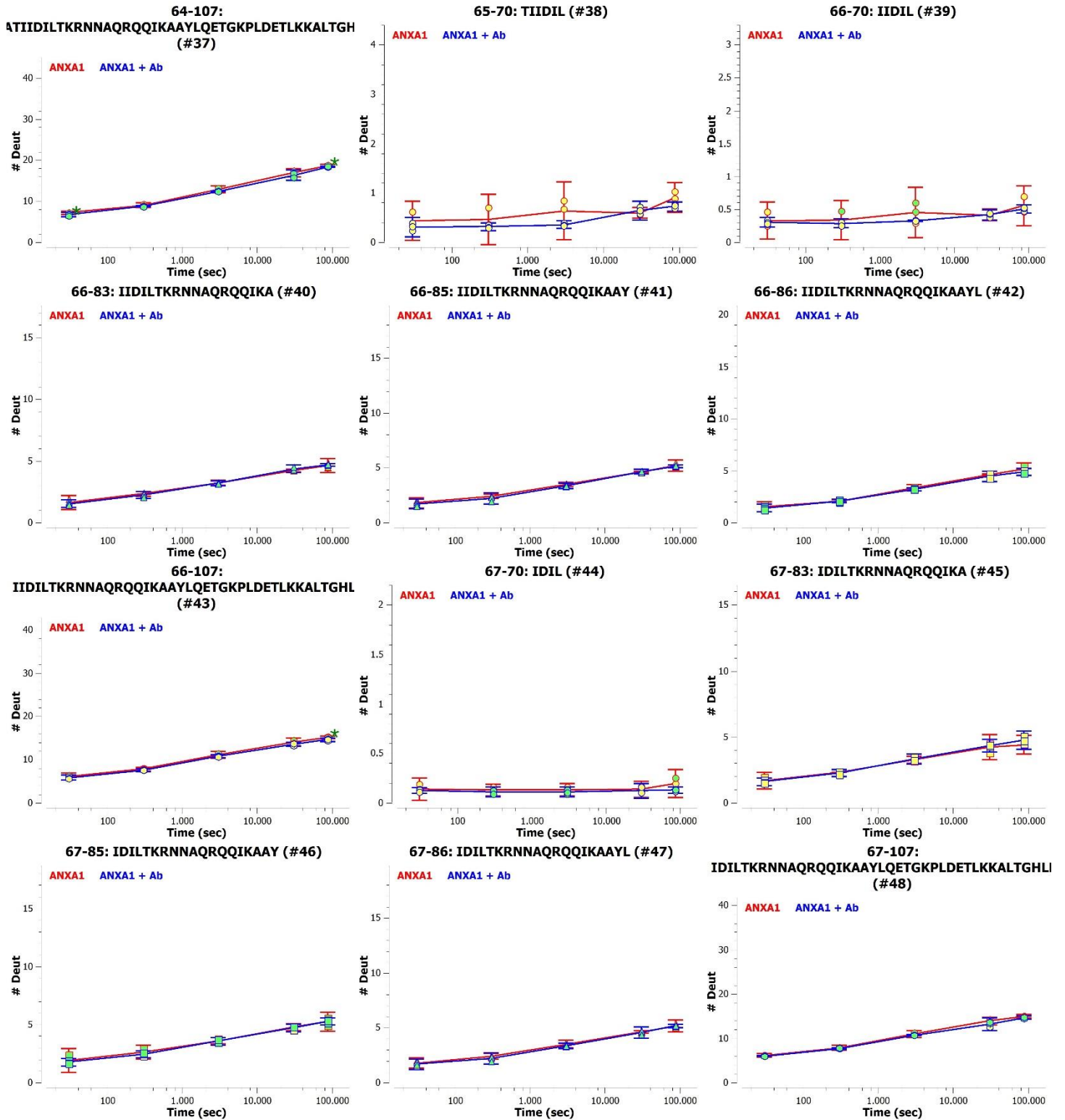
Figure A8. HDX uptake plots of peptic peptides of SIRP α for the elucidation of the intra- and interday variability. The interday variability of HDX measurements was assessed using a SIRP α proteolysis, which was analysed in triplicate in two analysis campaigns, nine weeks apart from each other with interimed disconnection of the SAIDE cooling chamber. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 & 30 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

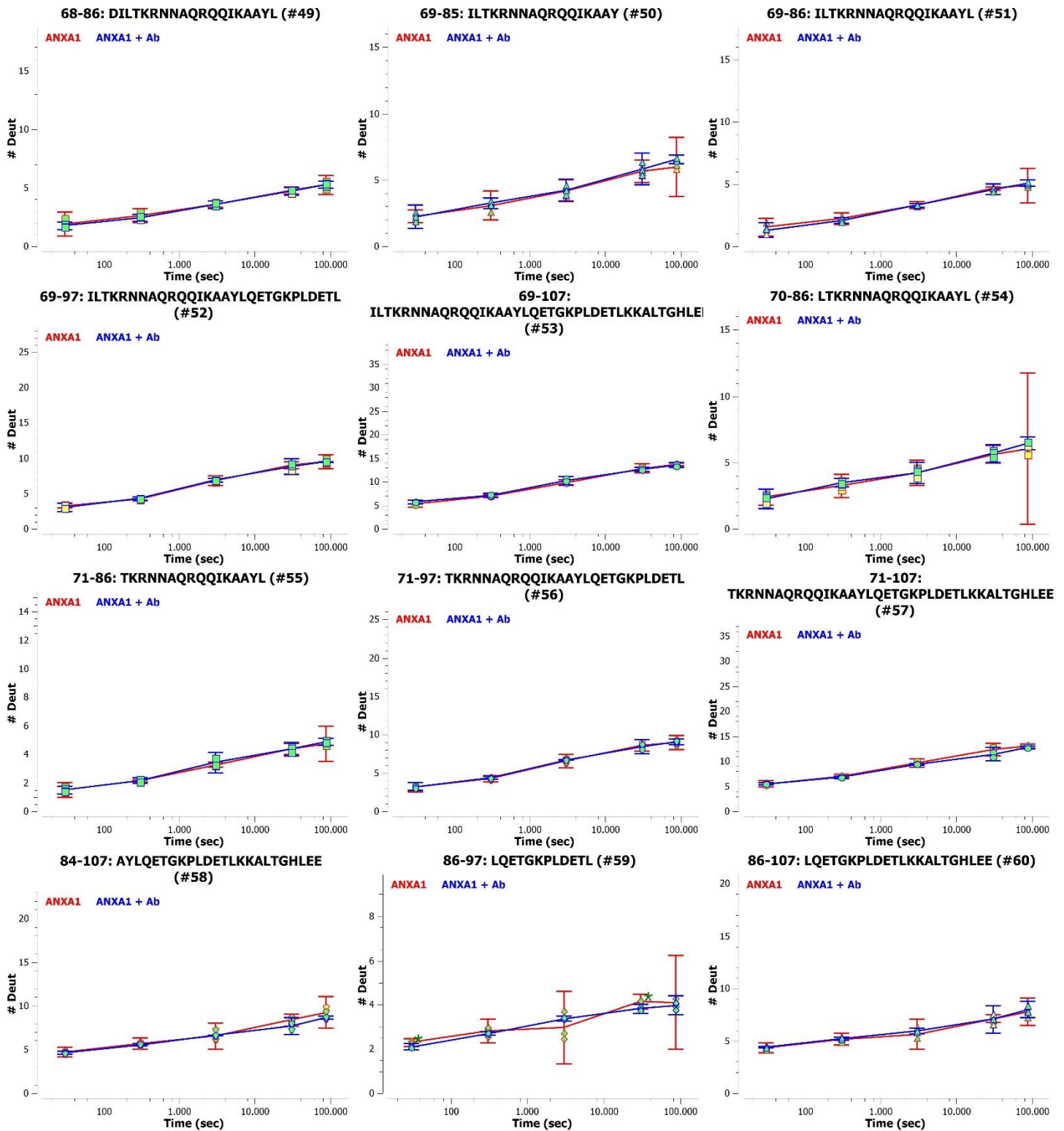
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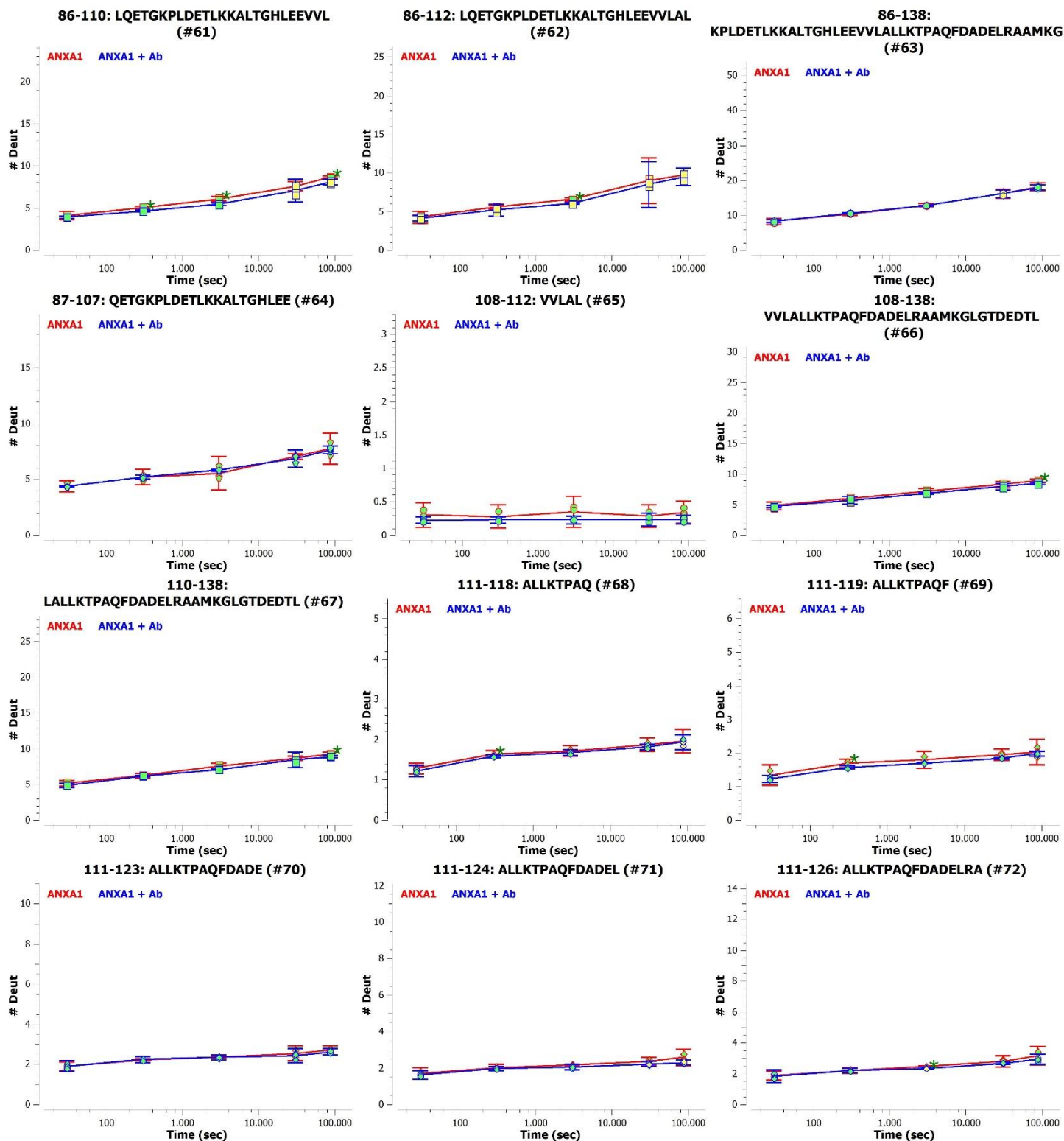


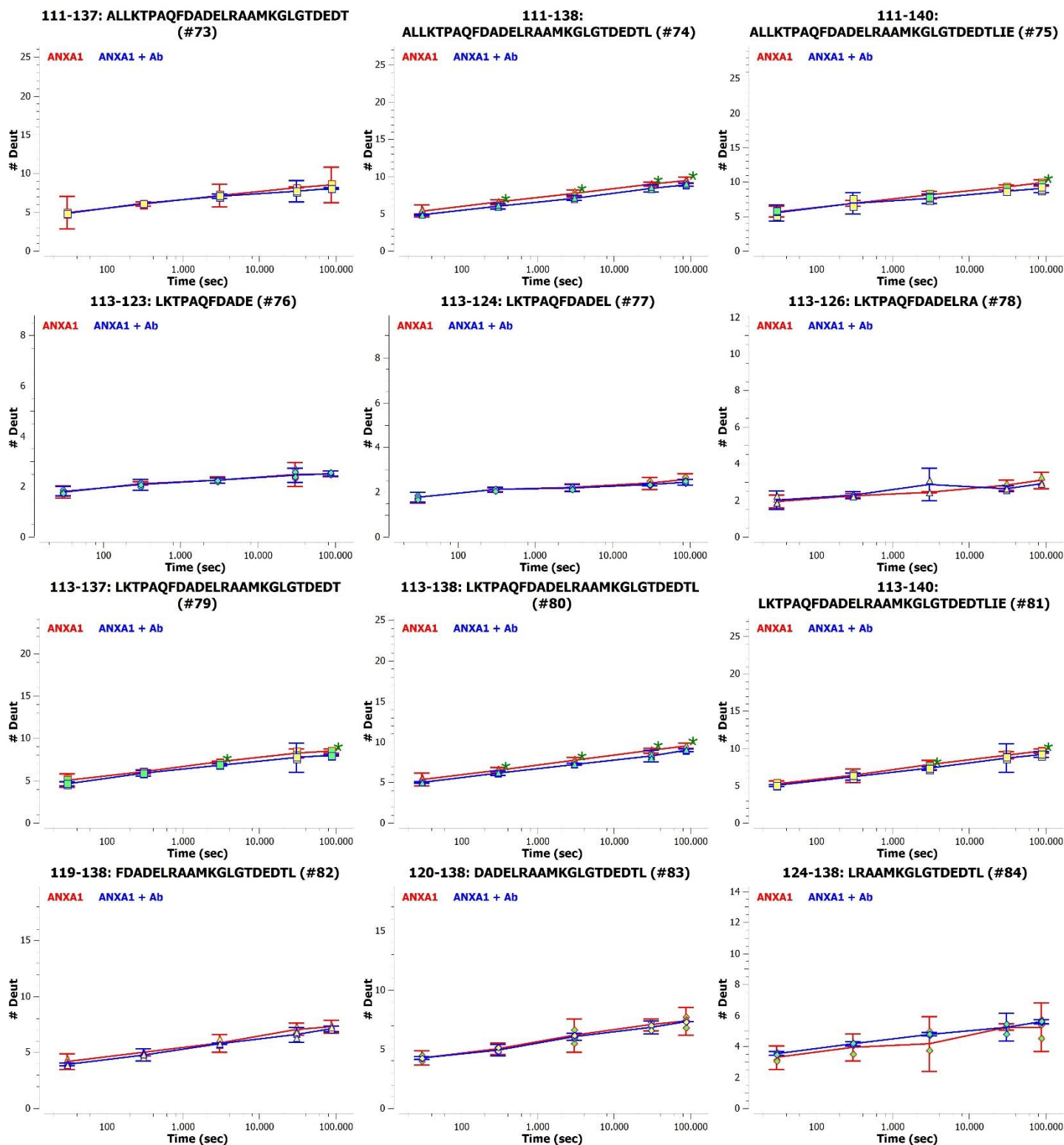


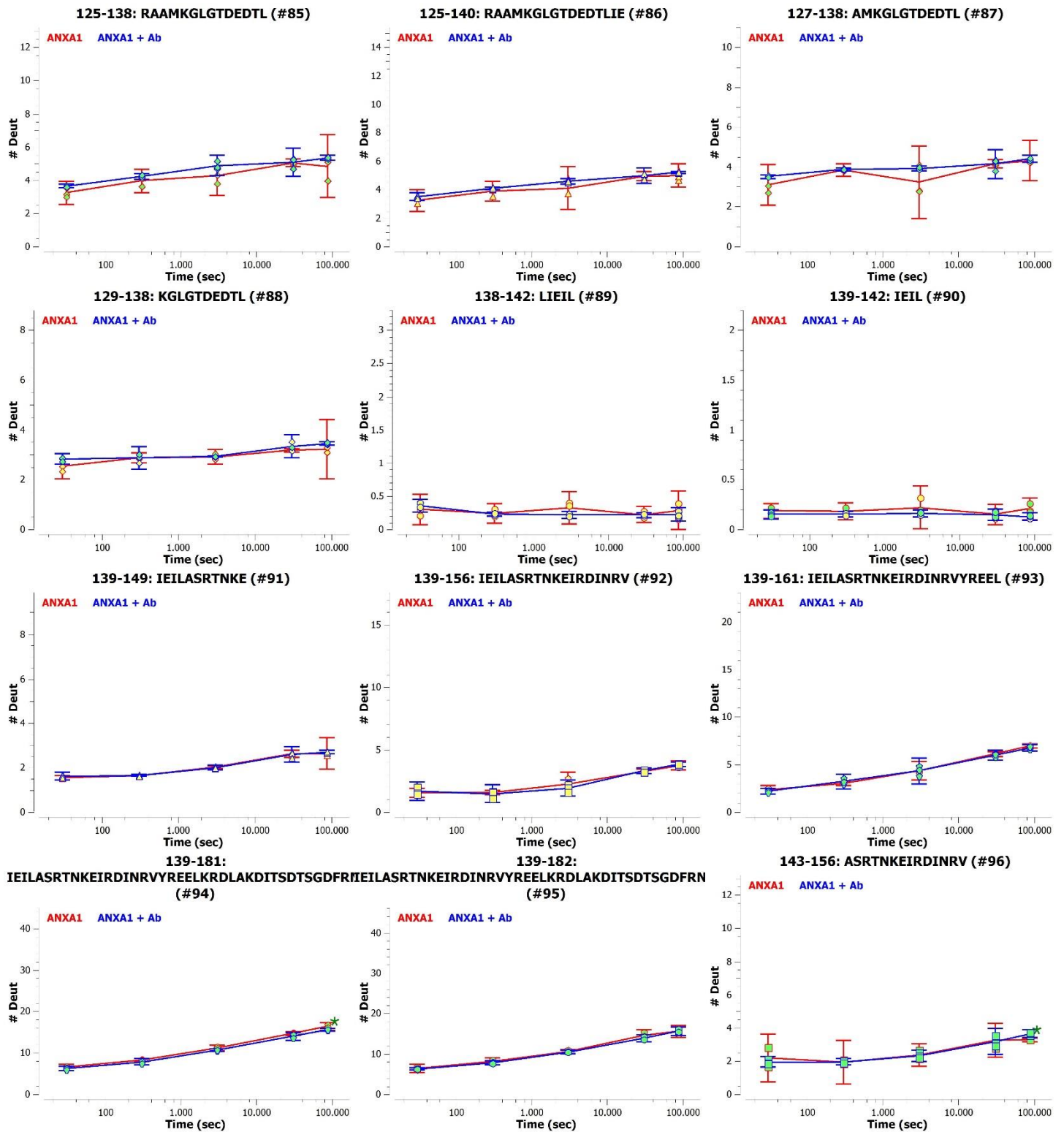


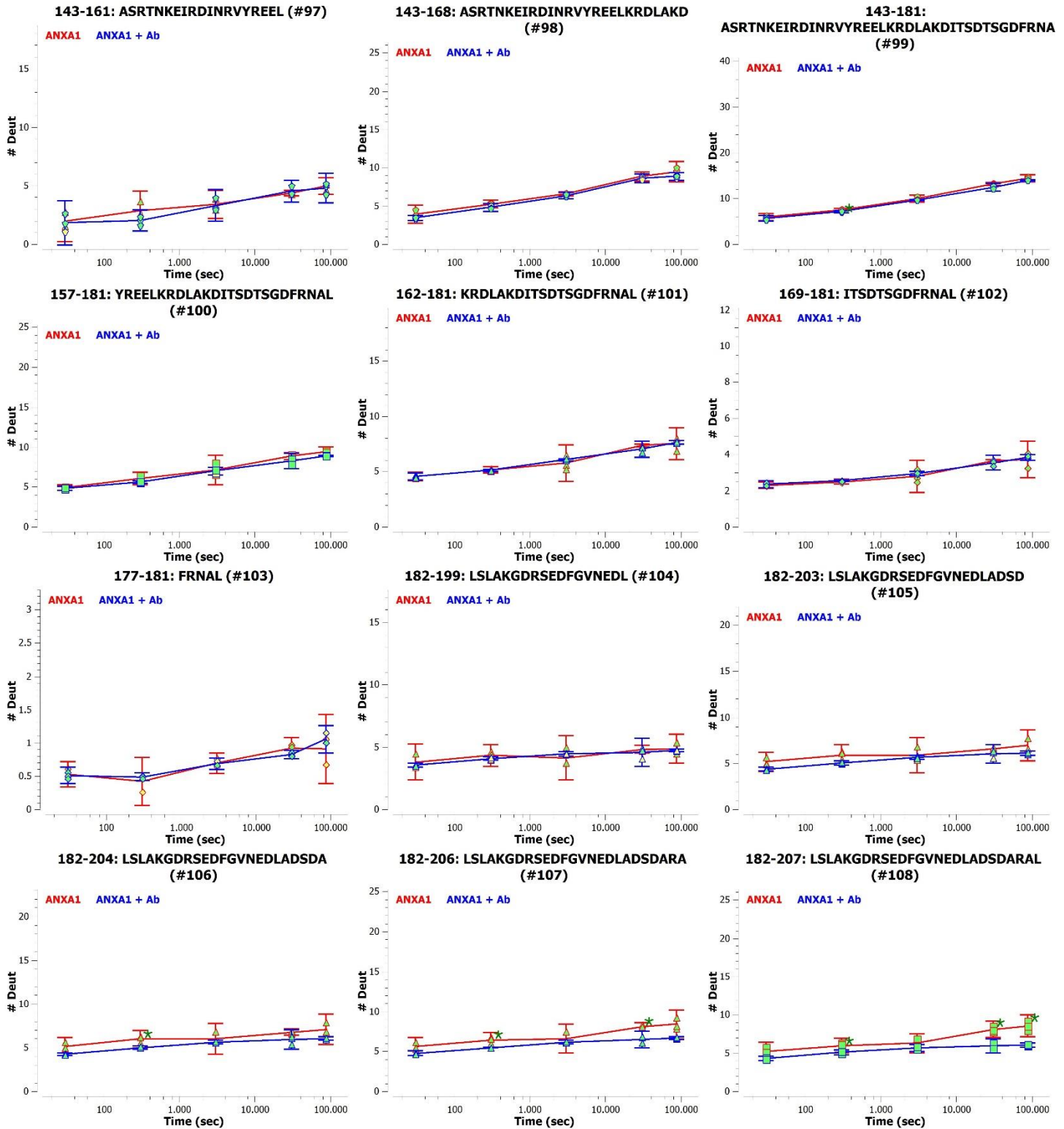


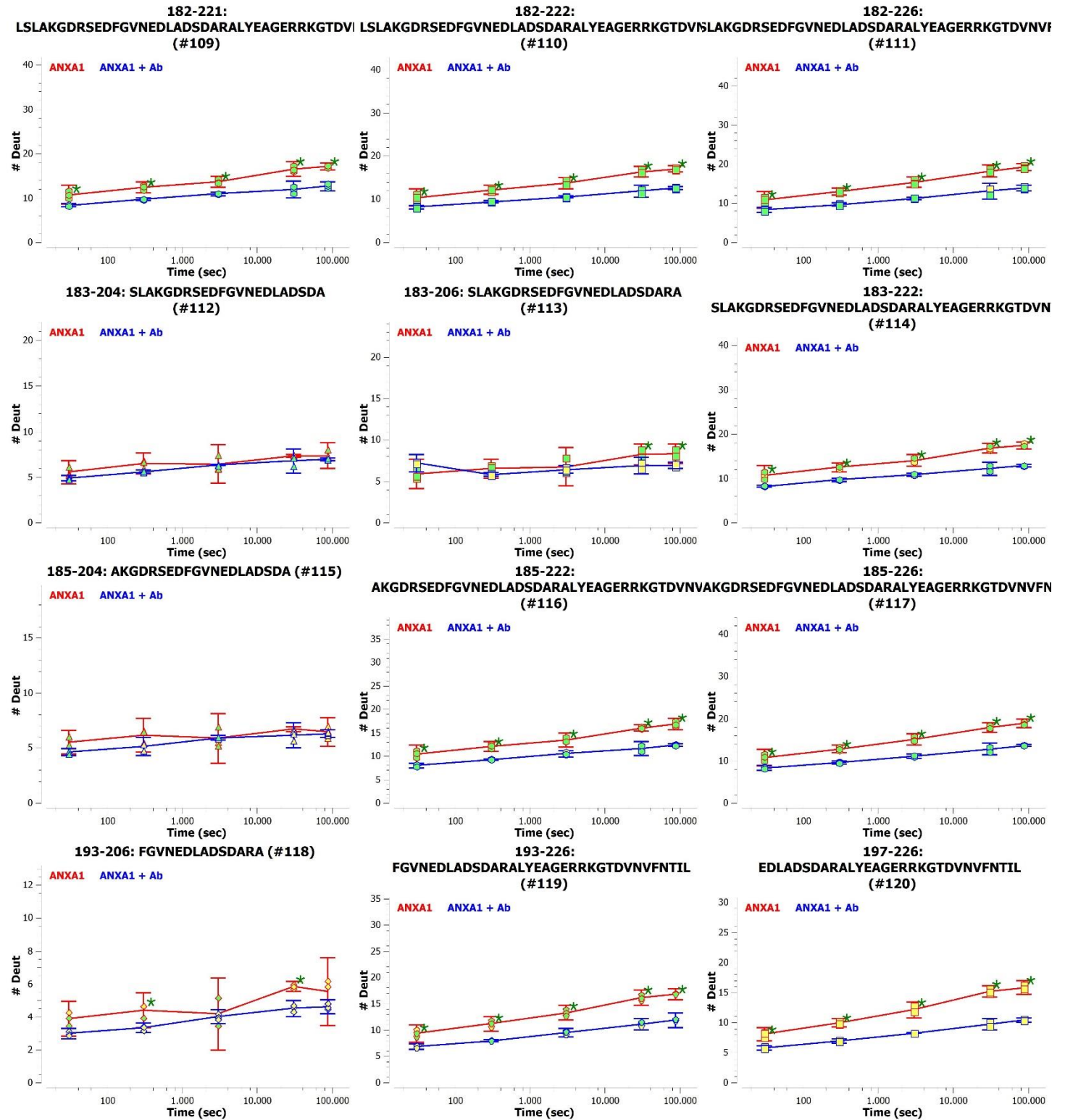


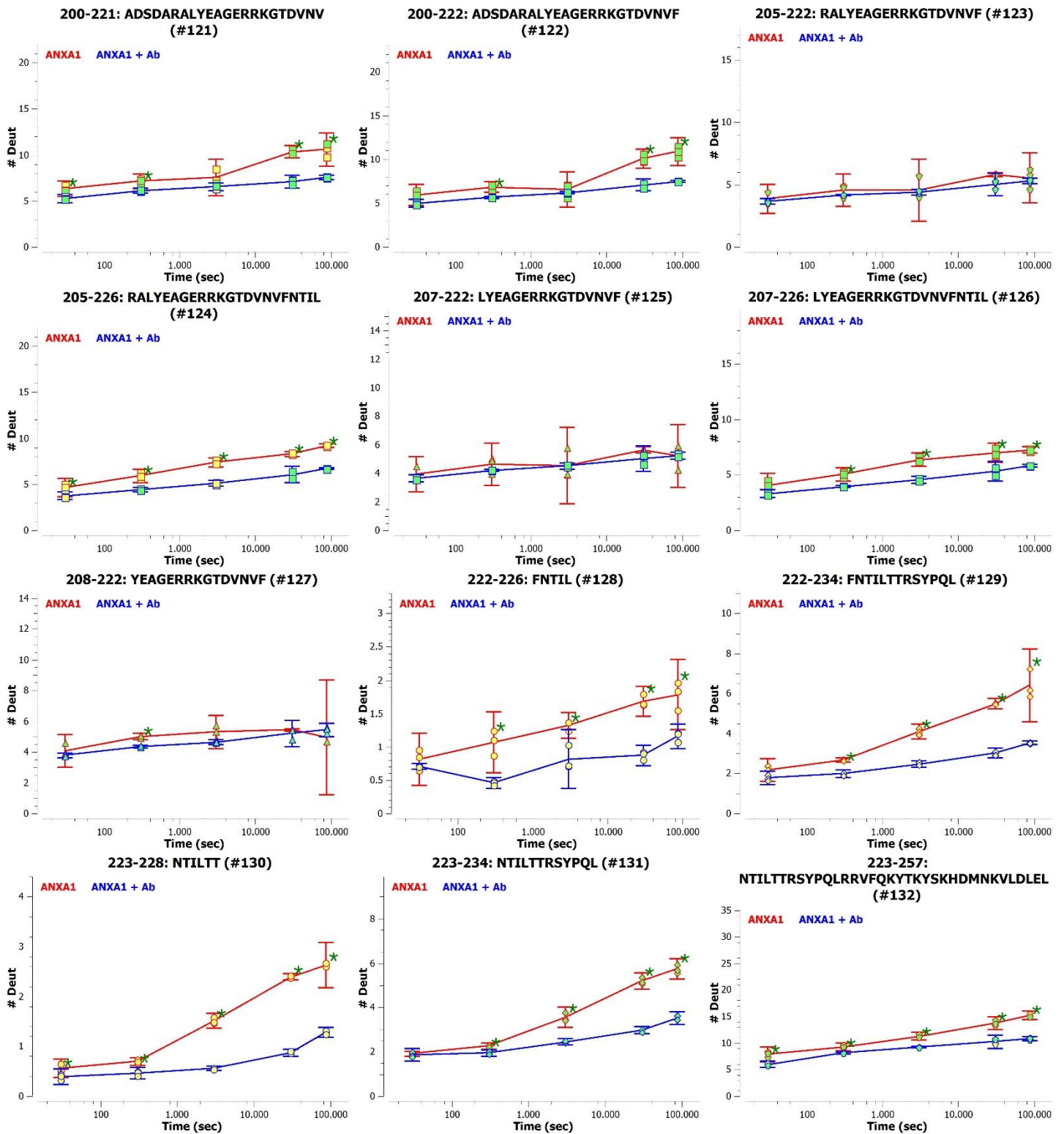


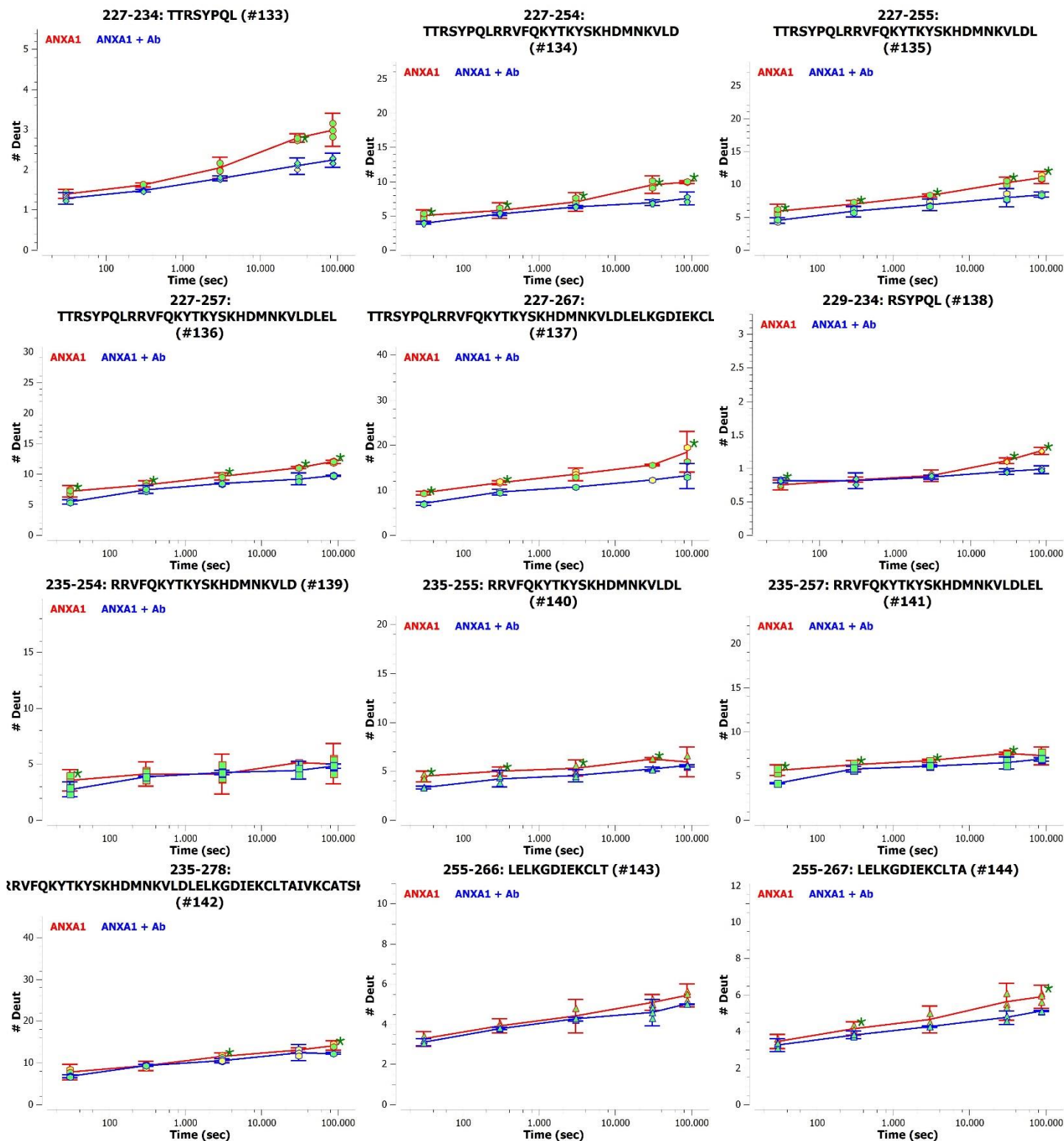


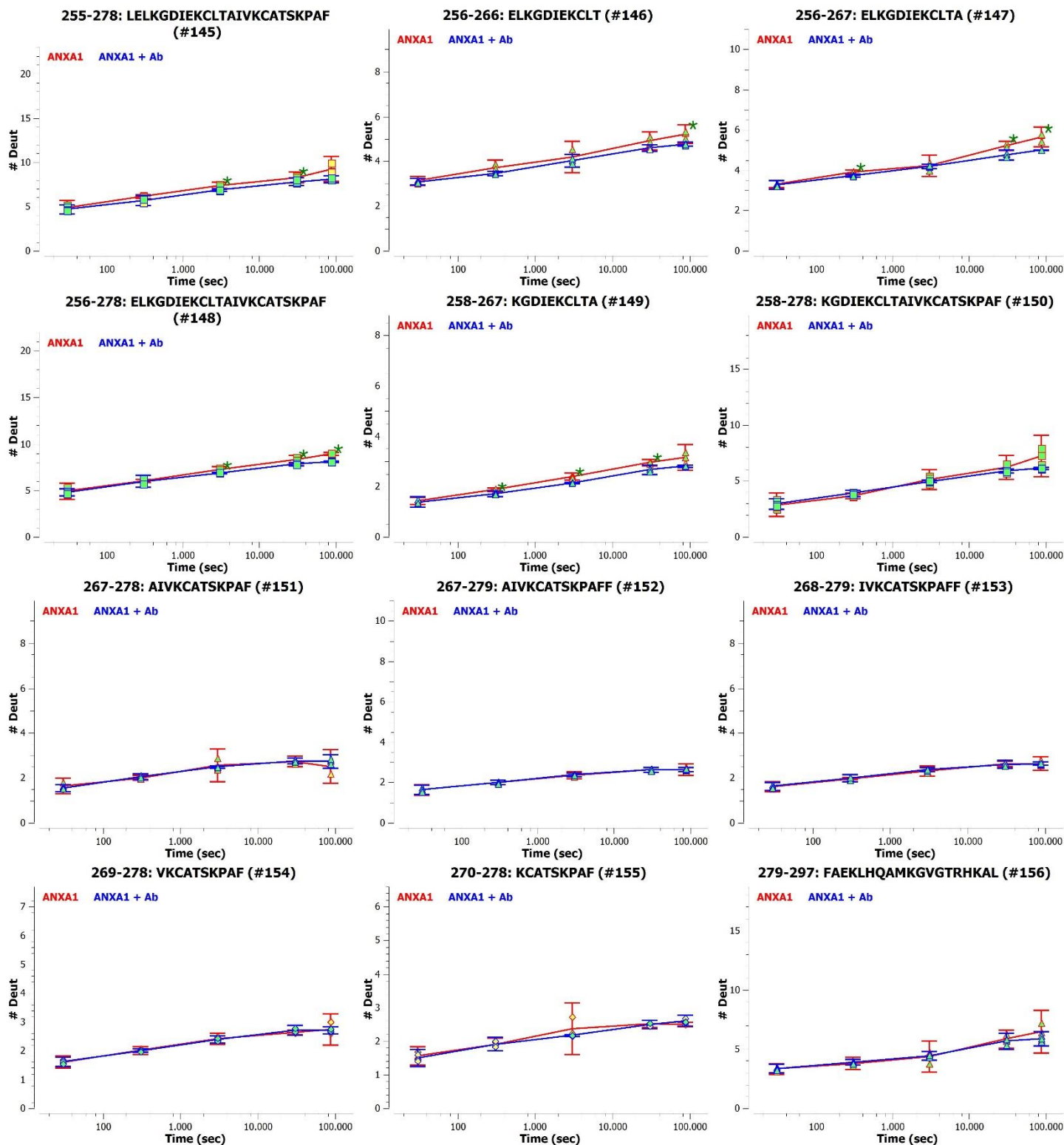


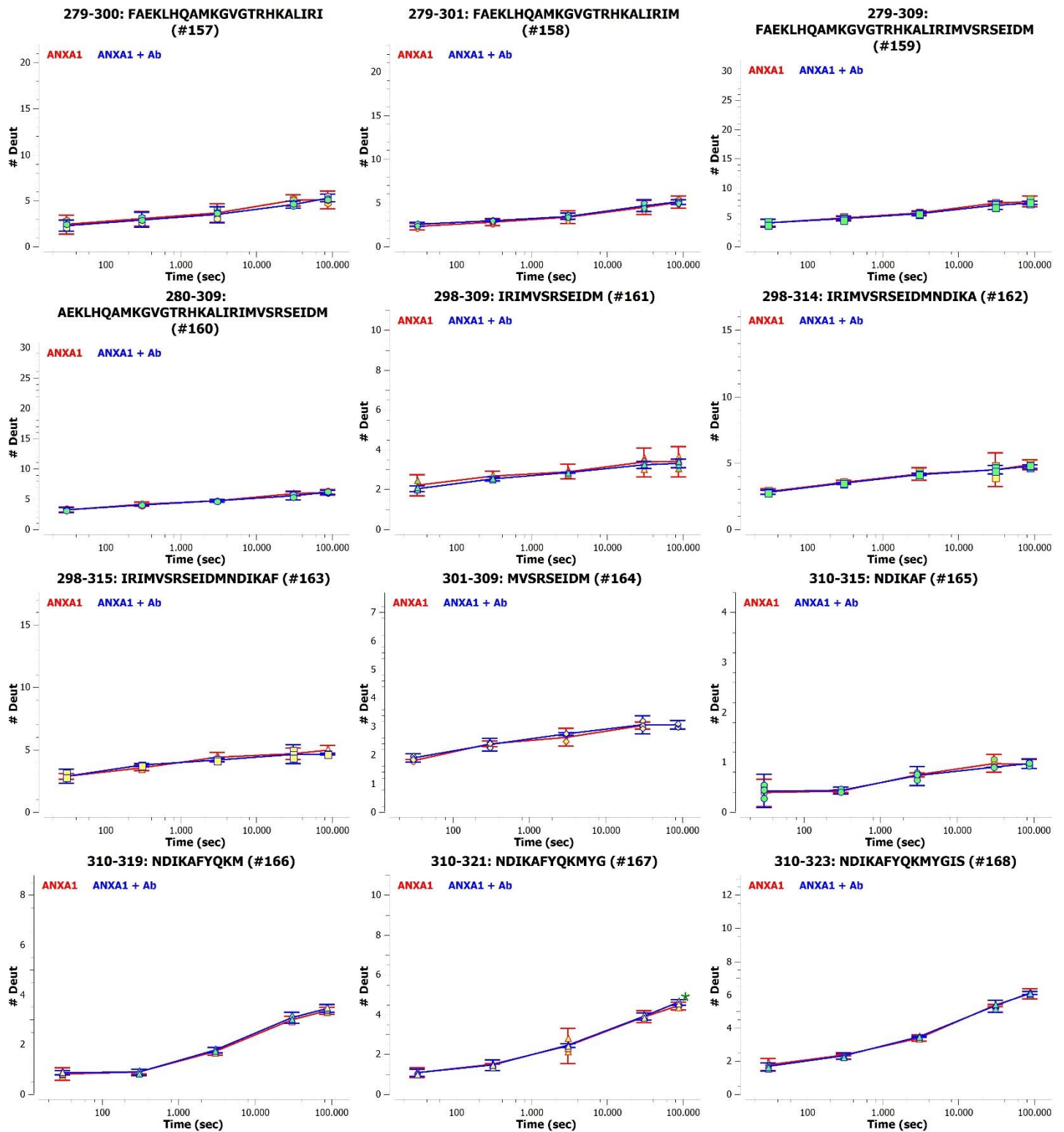












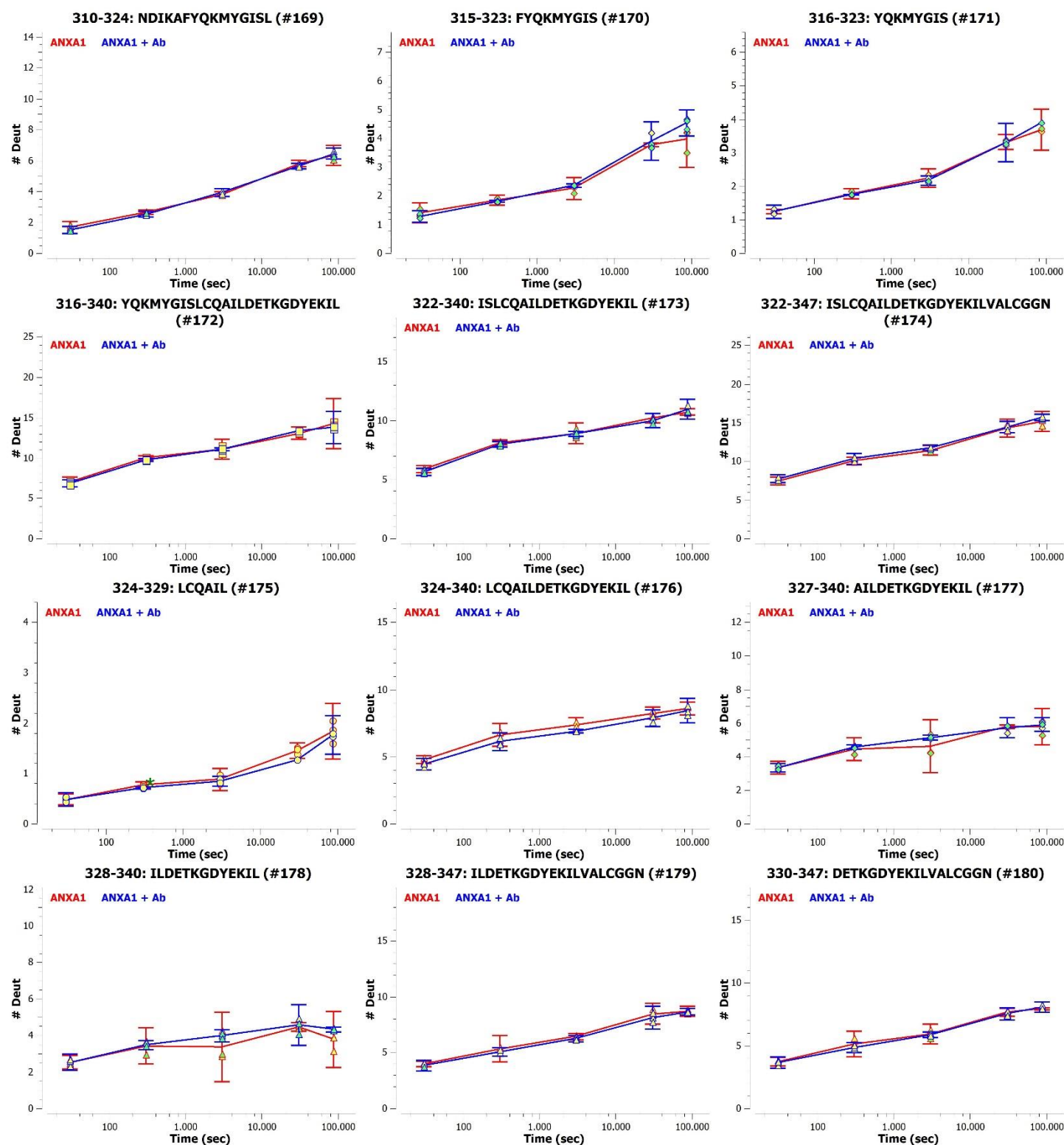
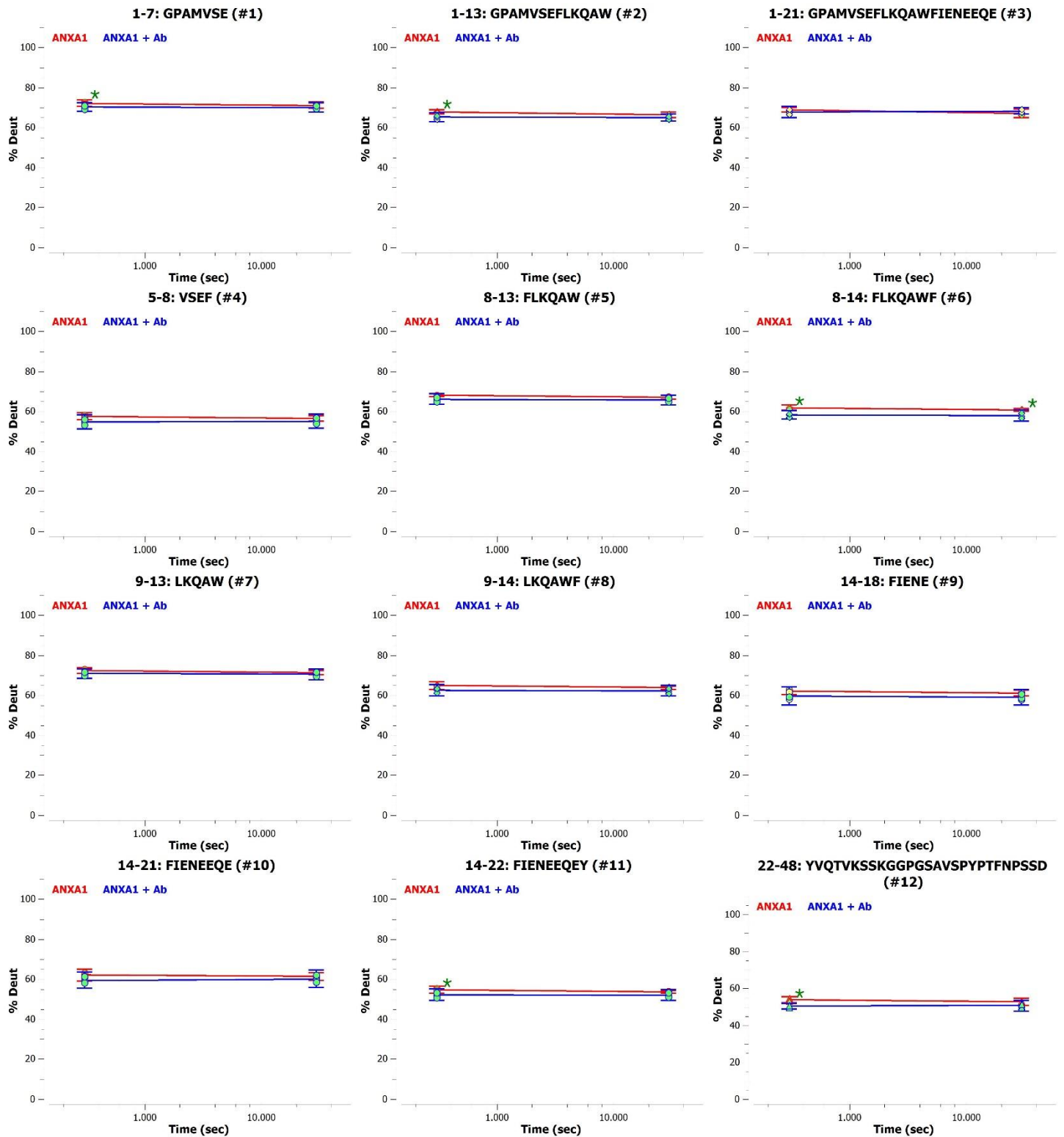
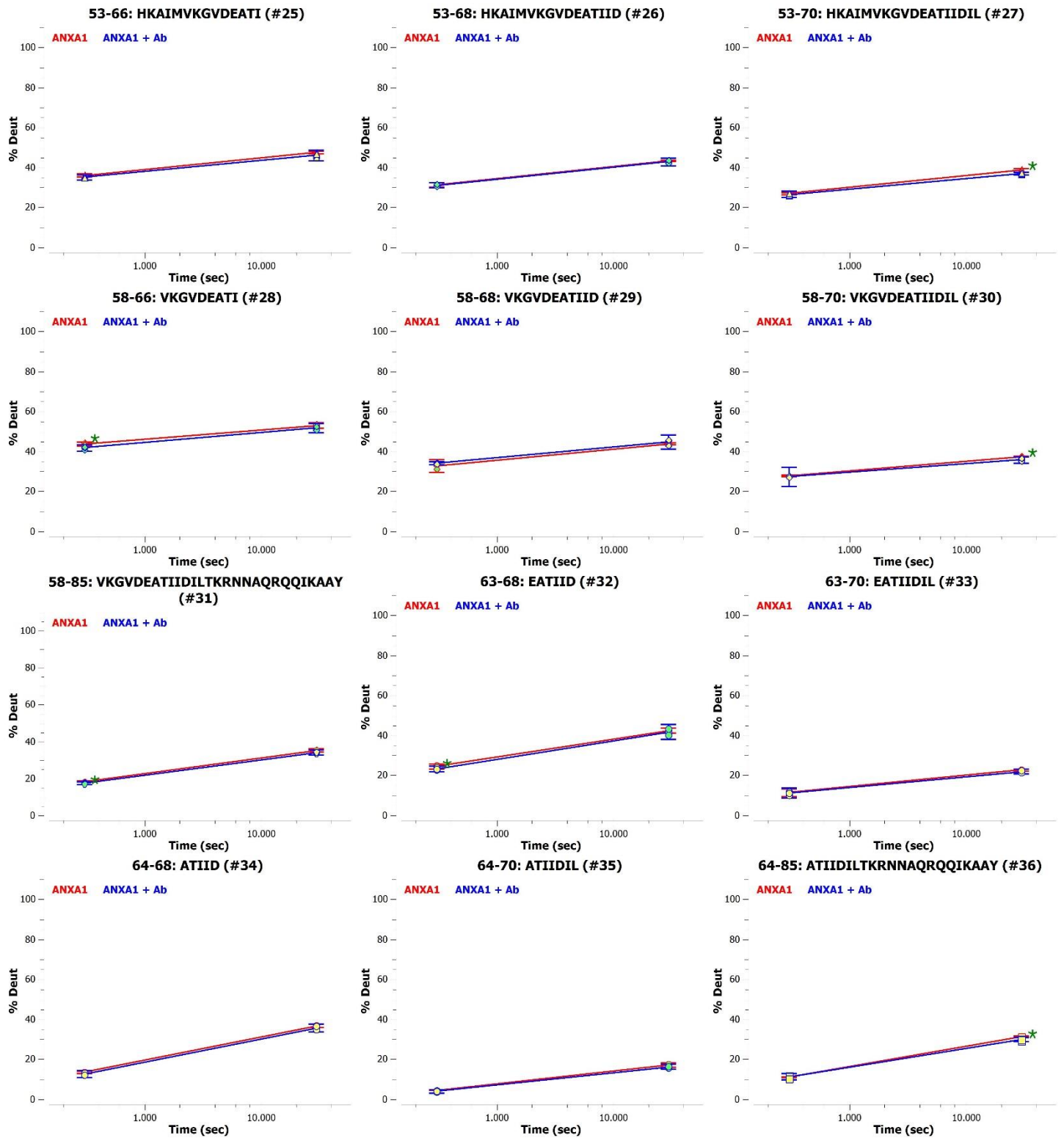


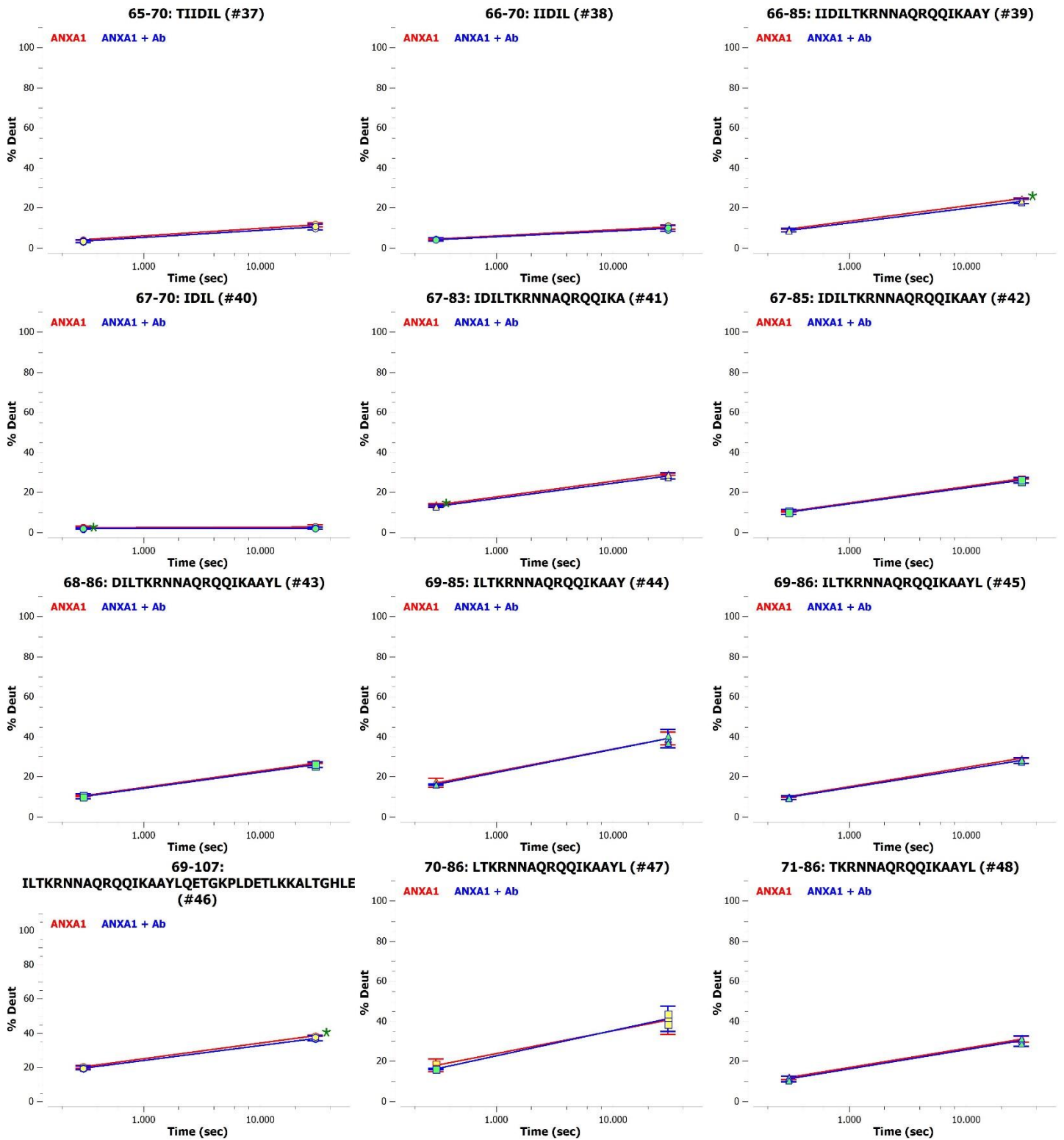
Figure A9. HDX uptake plots of peptic peptides of ANXA1 alone and in presence of the antibody using the in-solution based HDX workflow as published in [1]. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 0.5, 5, 50, 500 min and 24 h. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

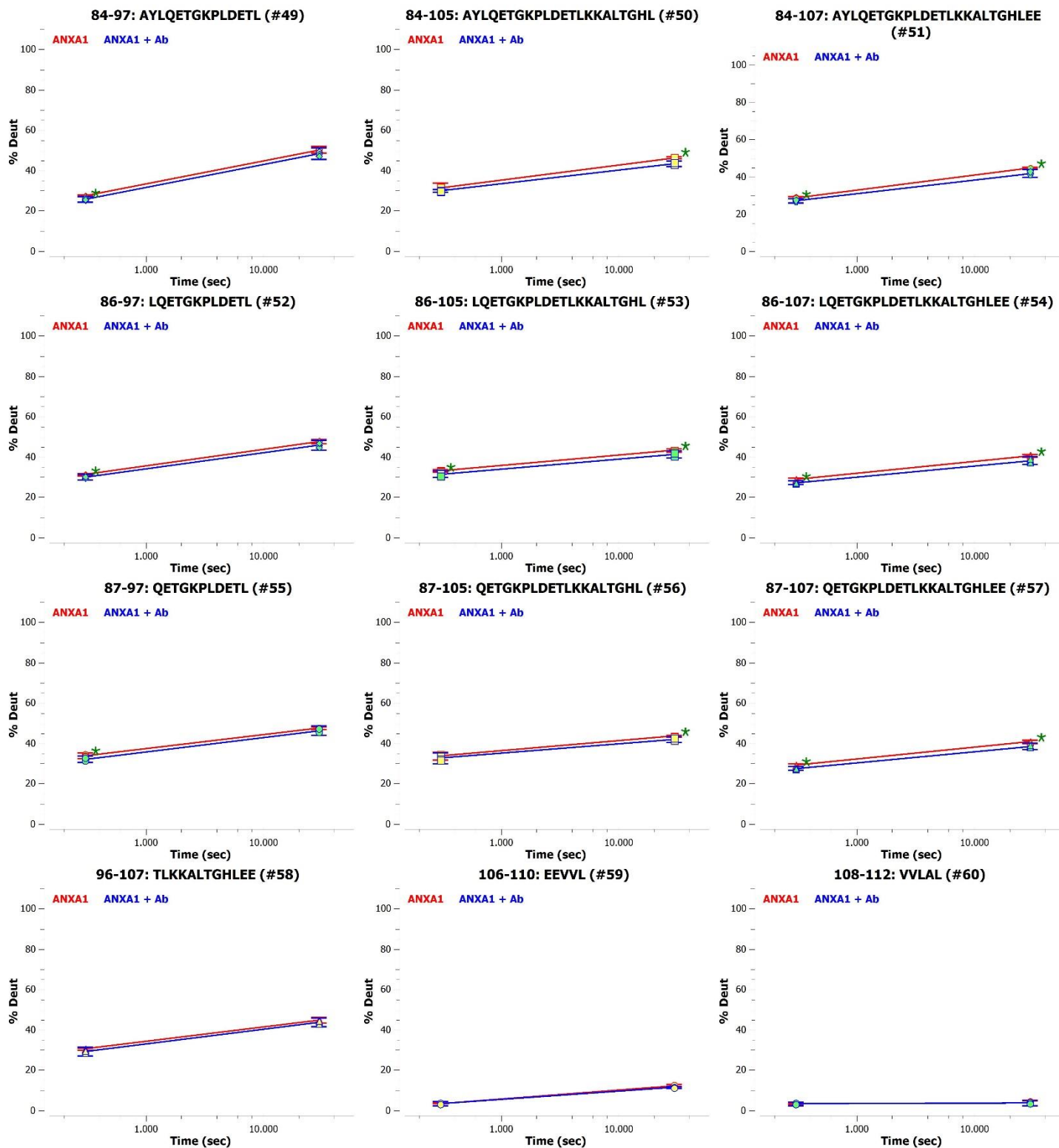
[1] Gramlich *et al.* (2021); *Antibodies* 10; <https://doi.org/10.3390/antib10010011>

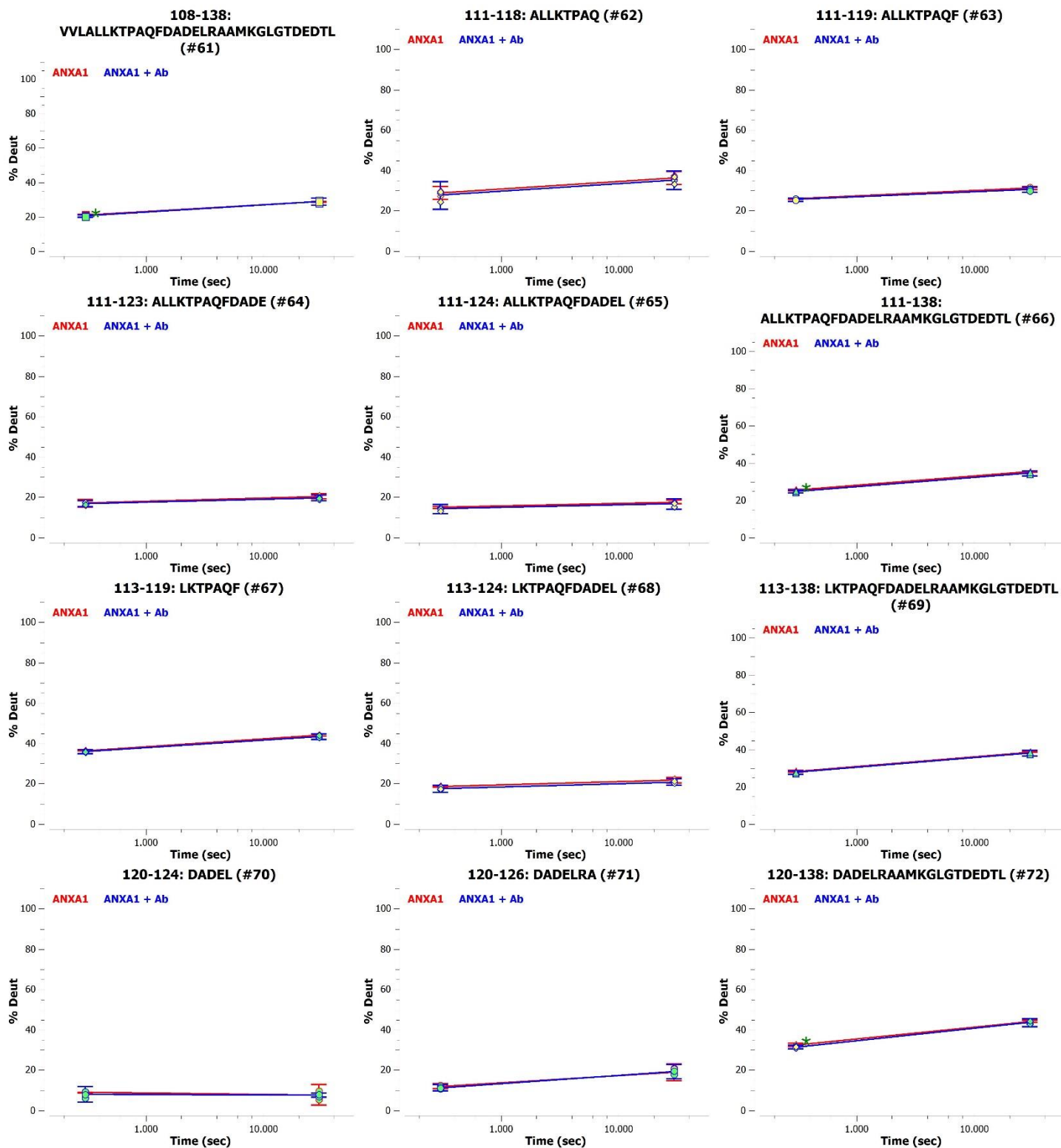
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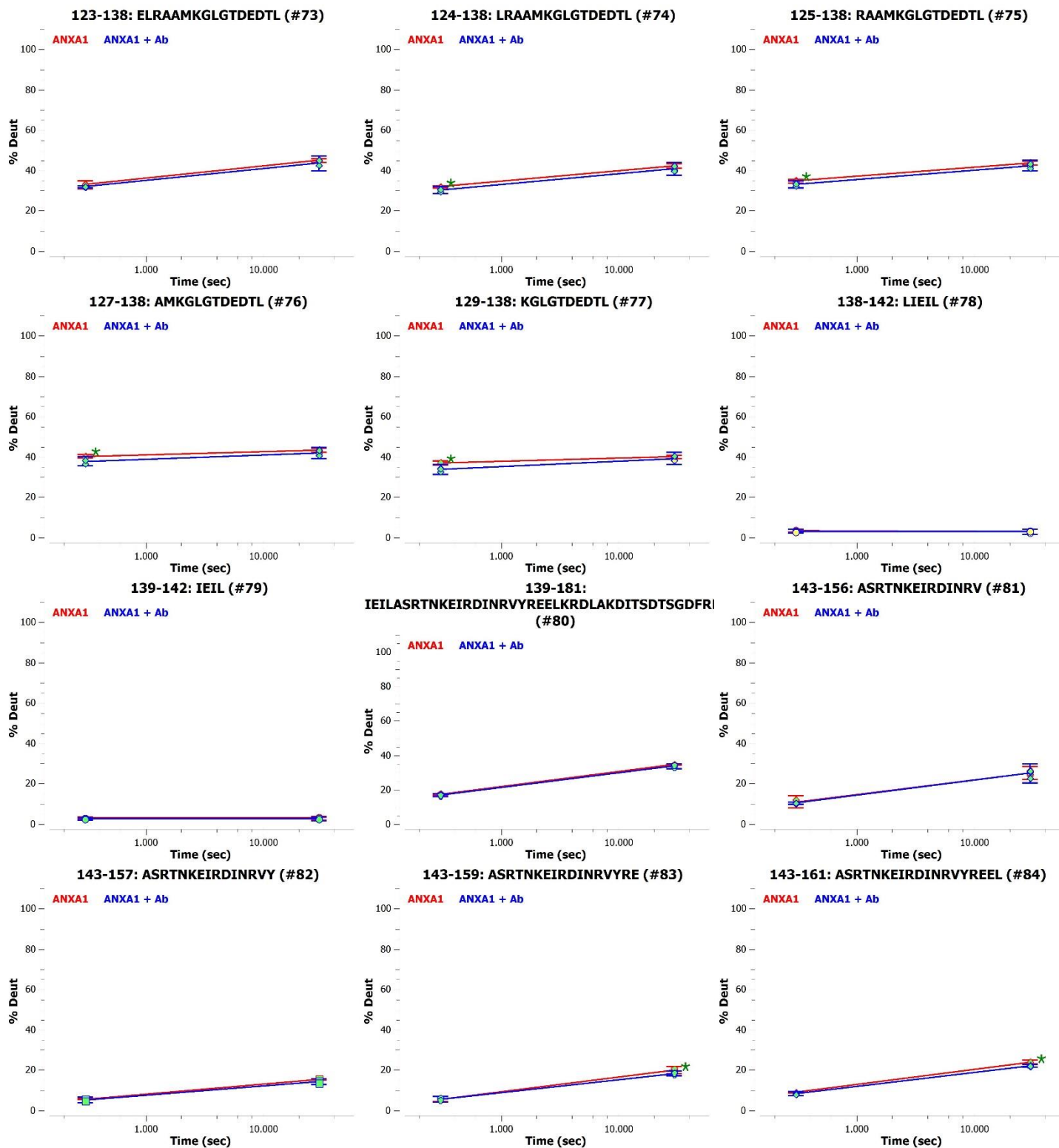


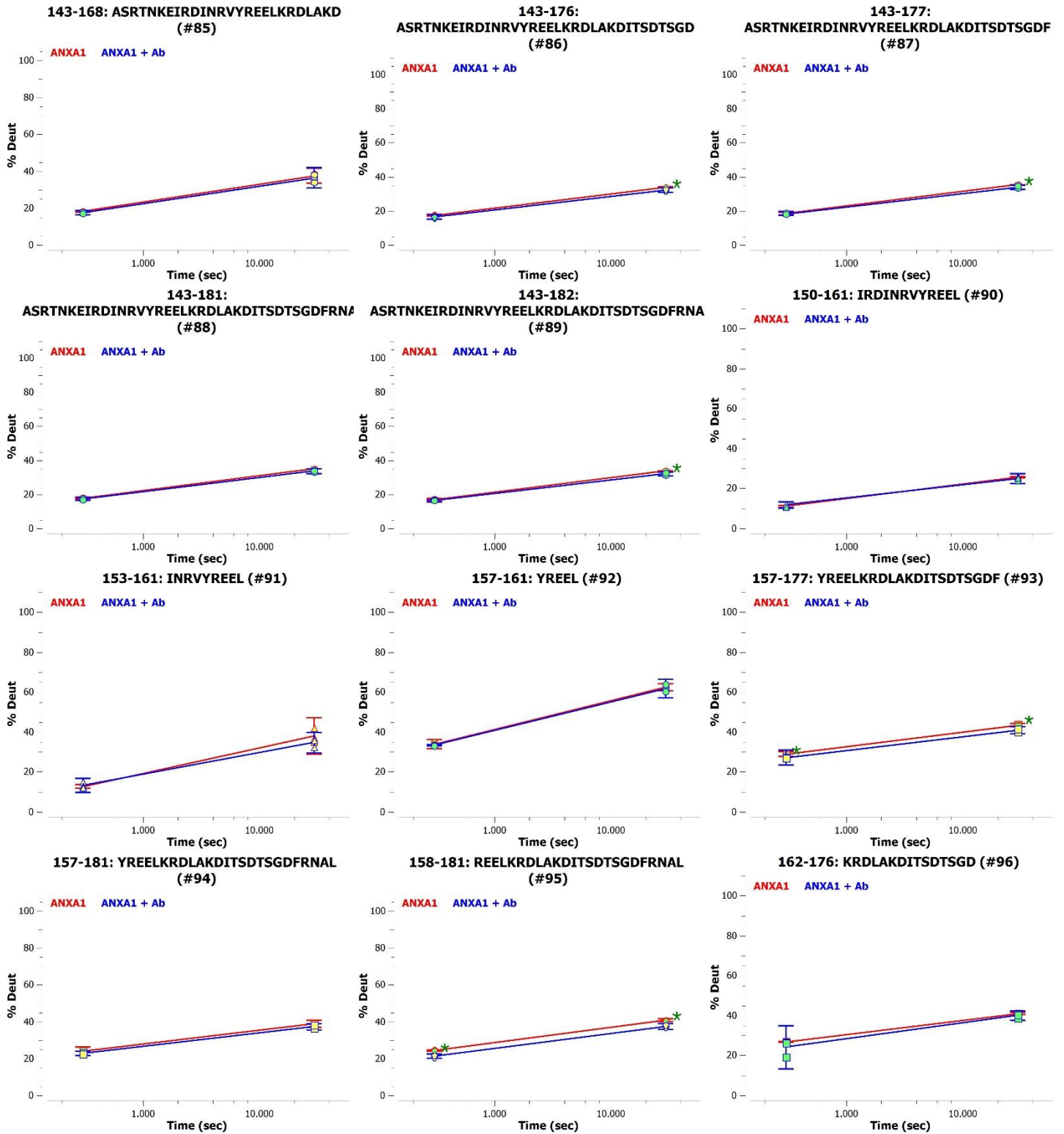


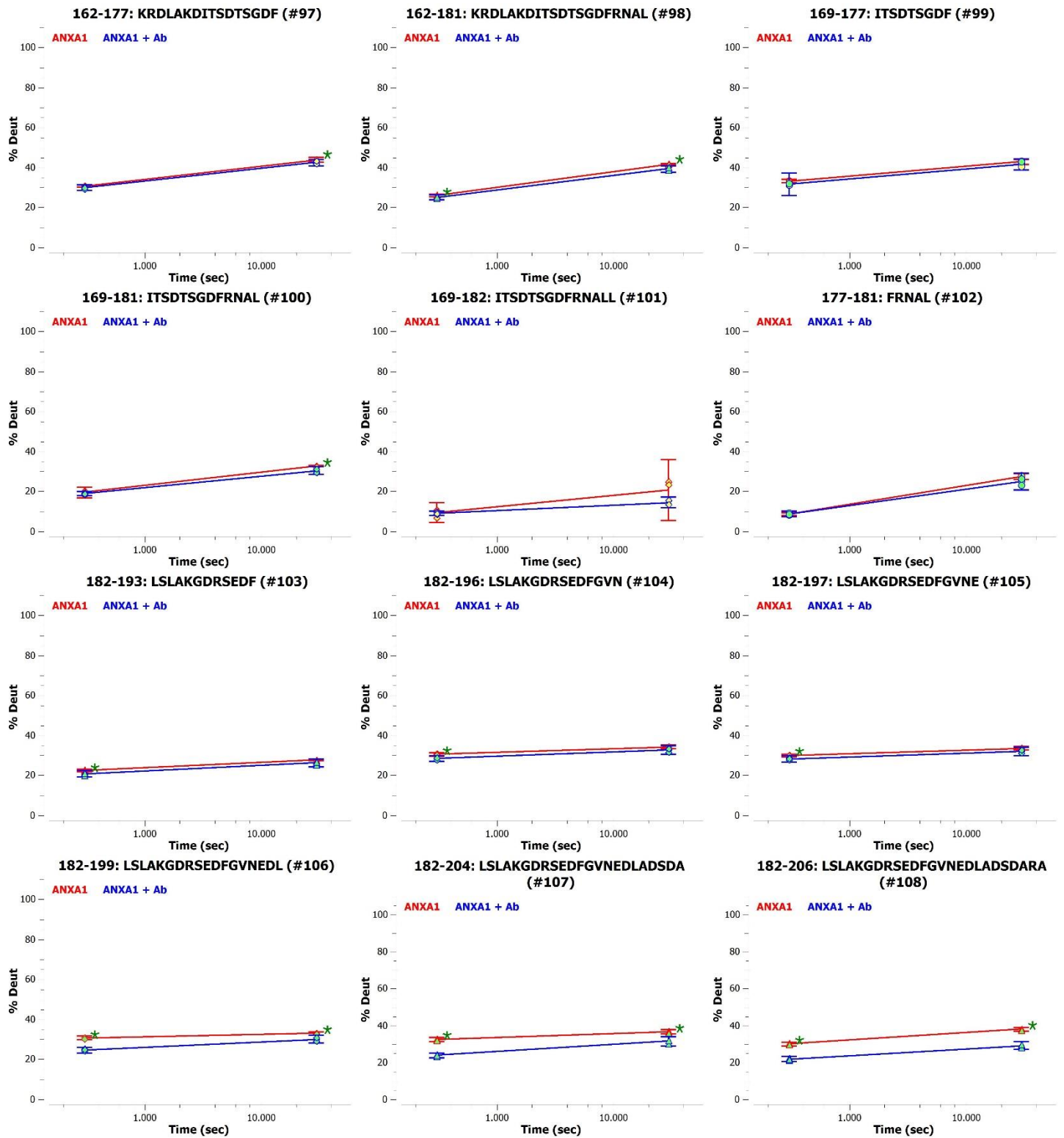


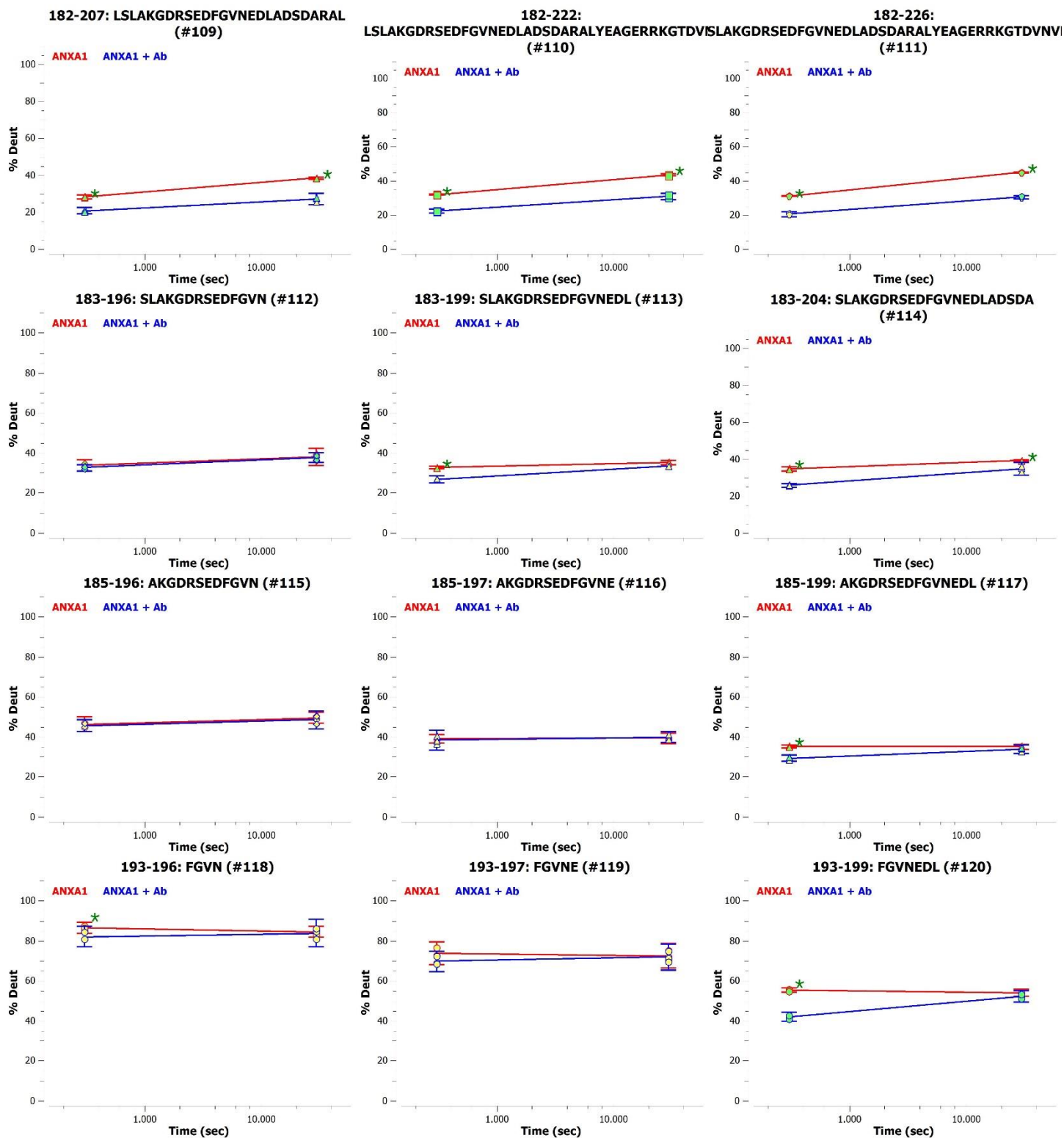


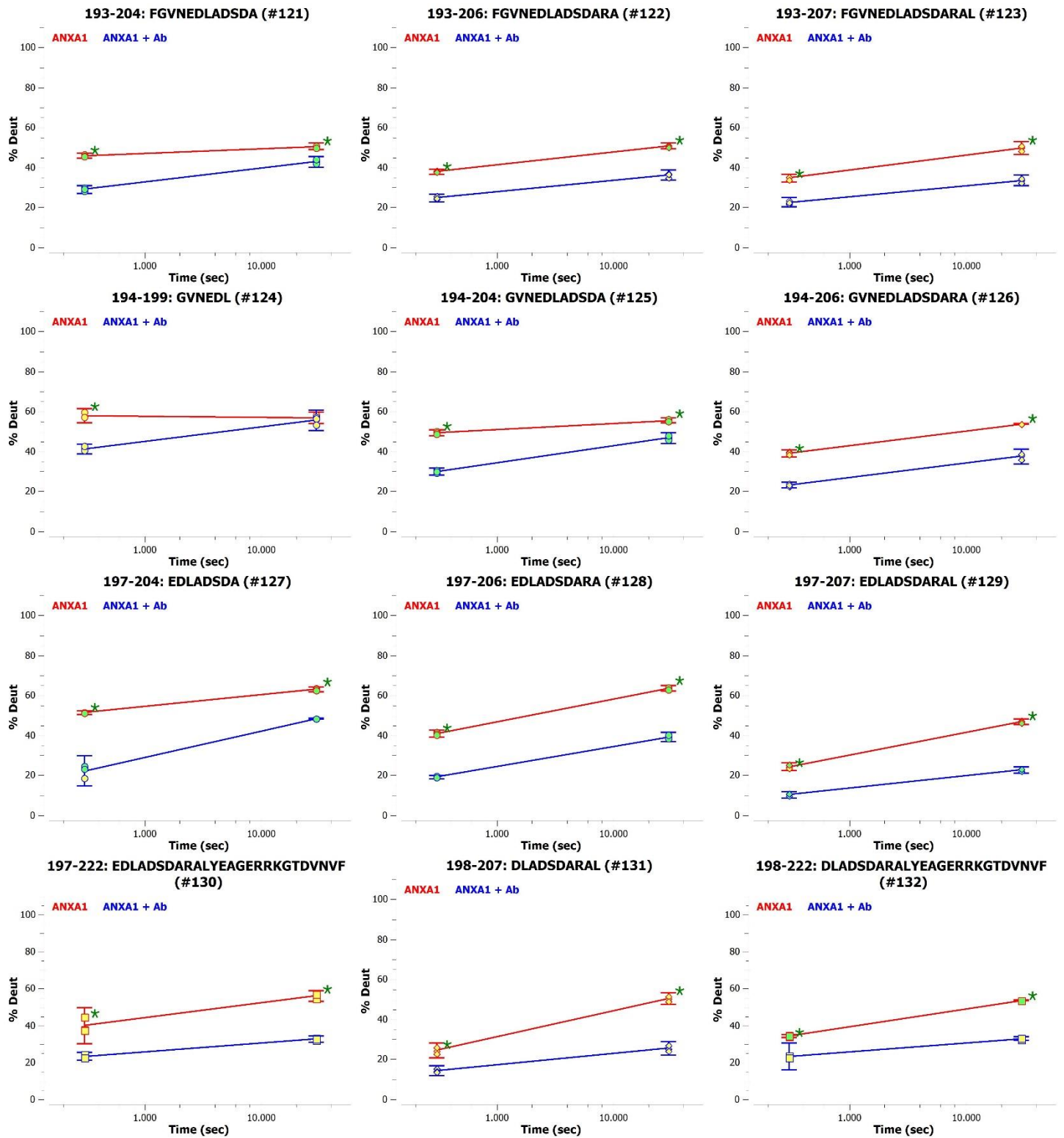


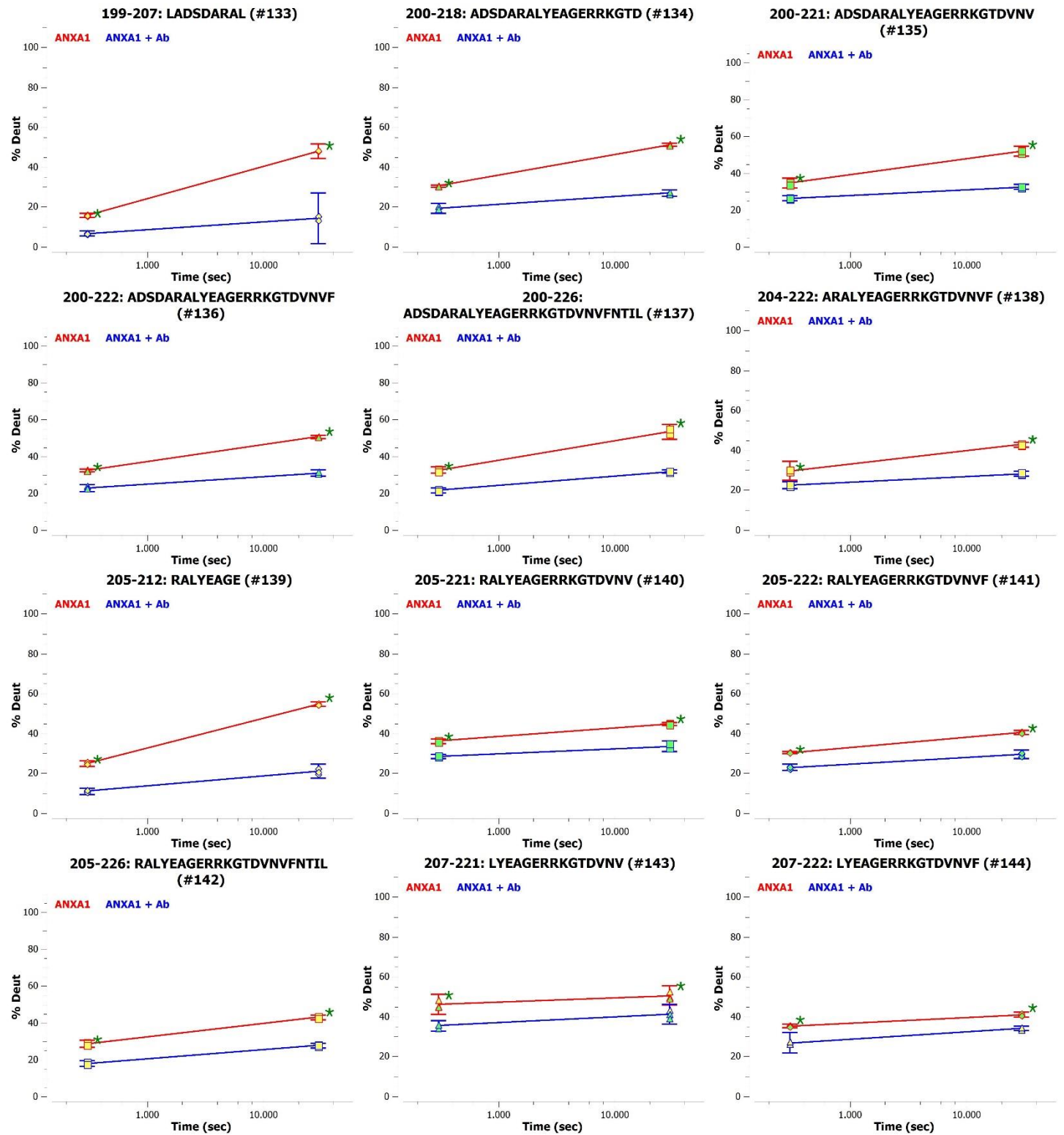


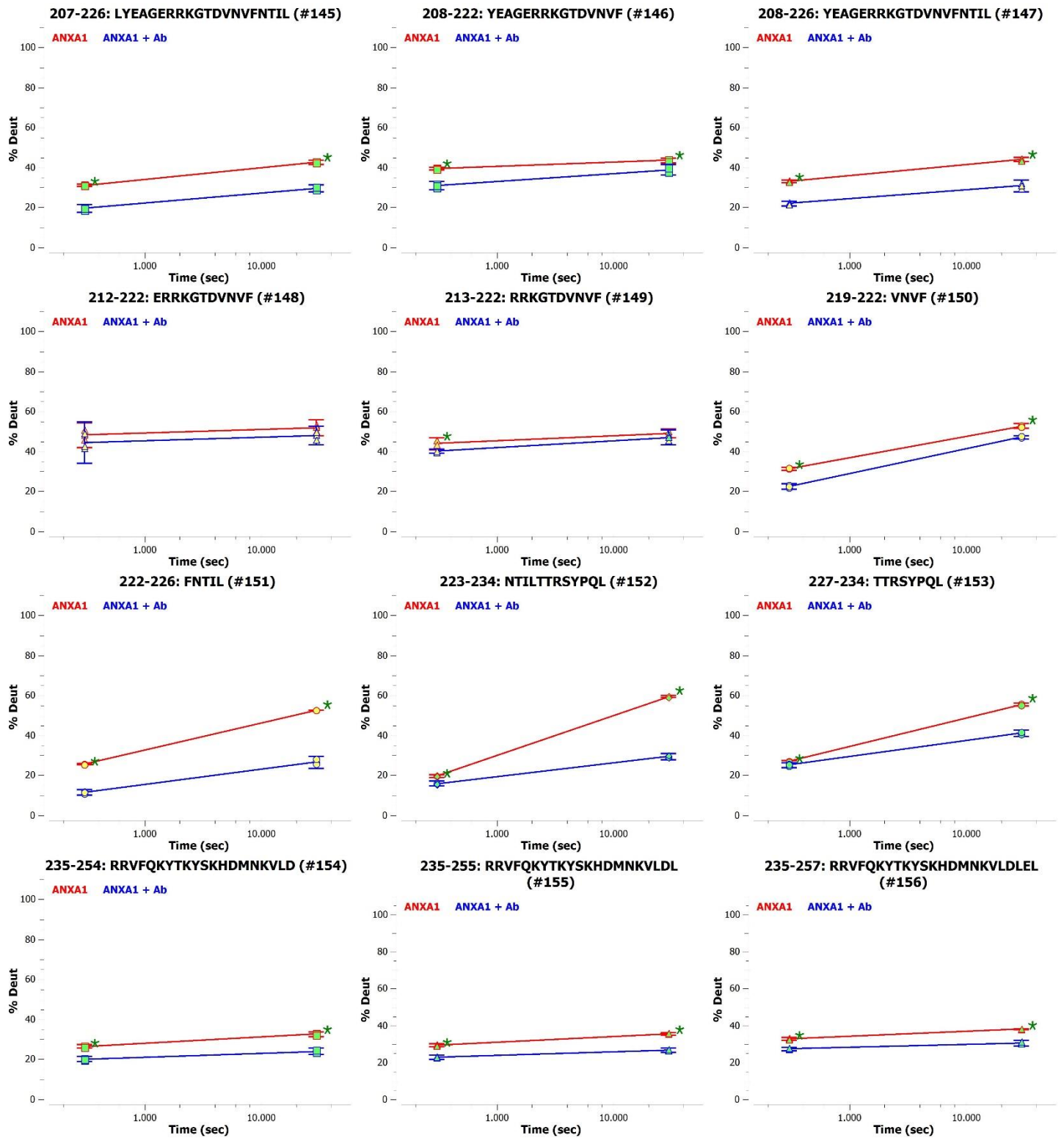


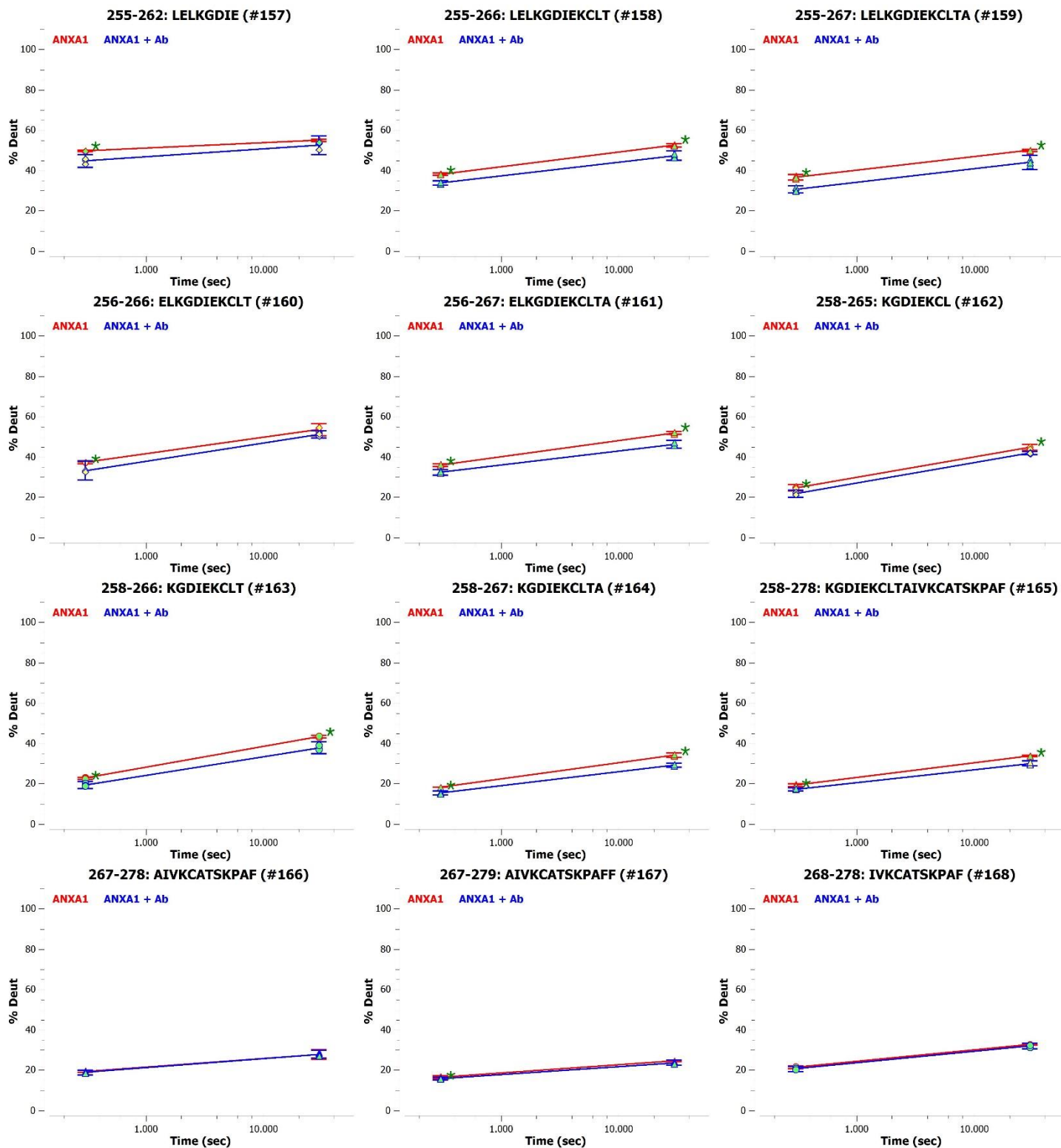


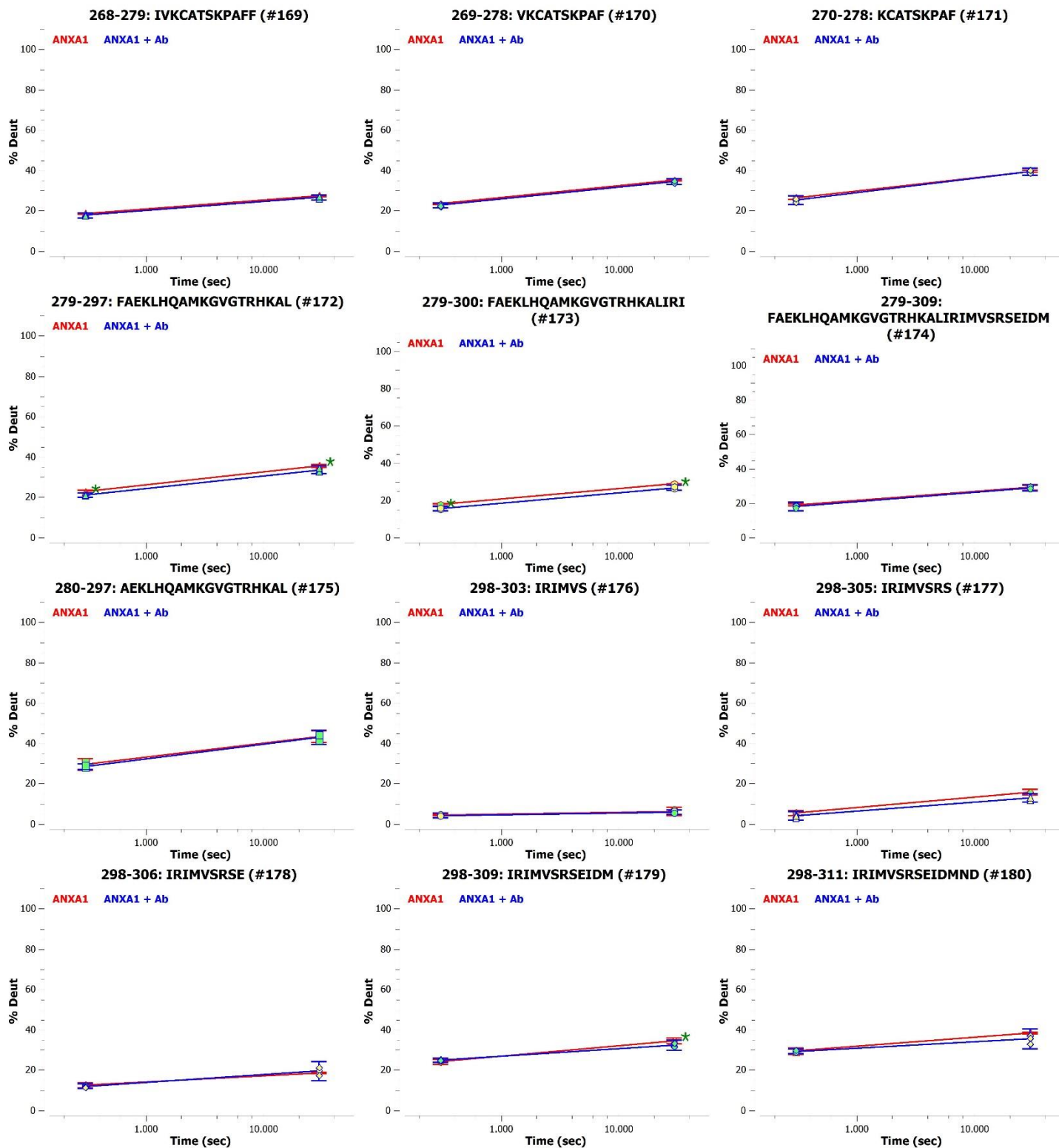


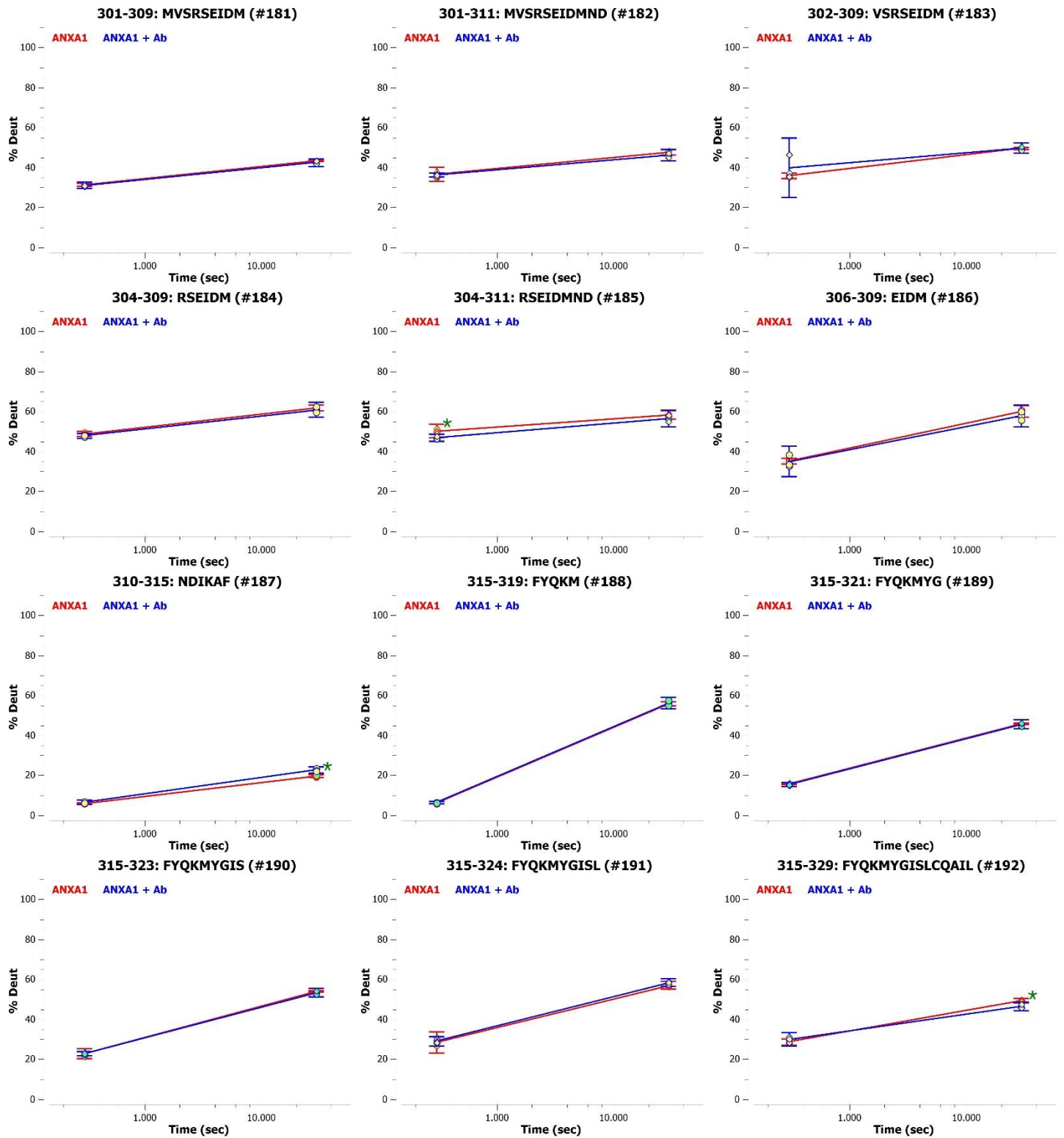


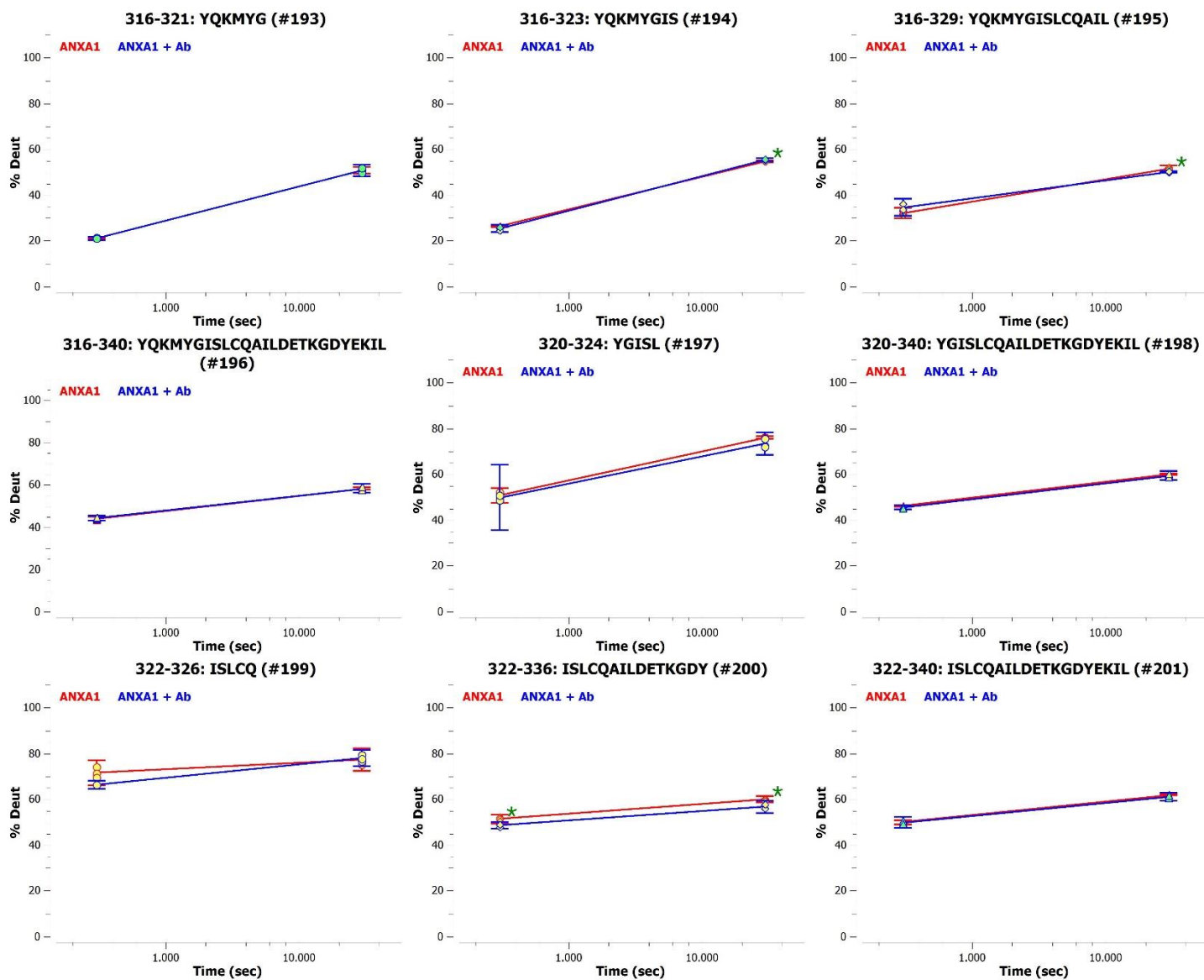












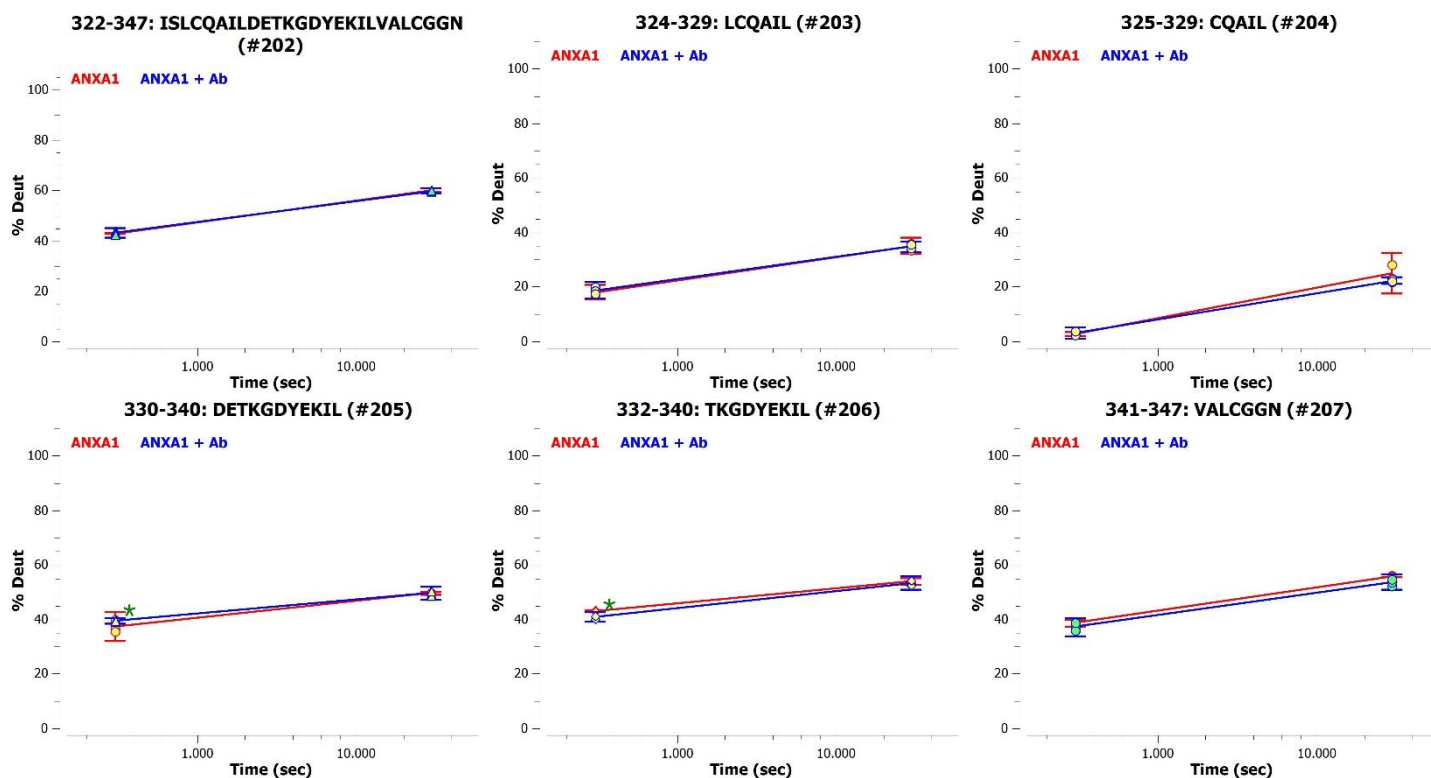
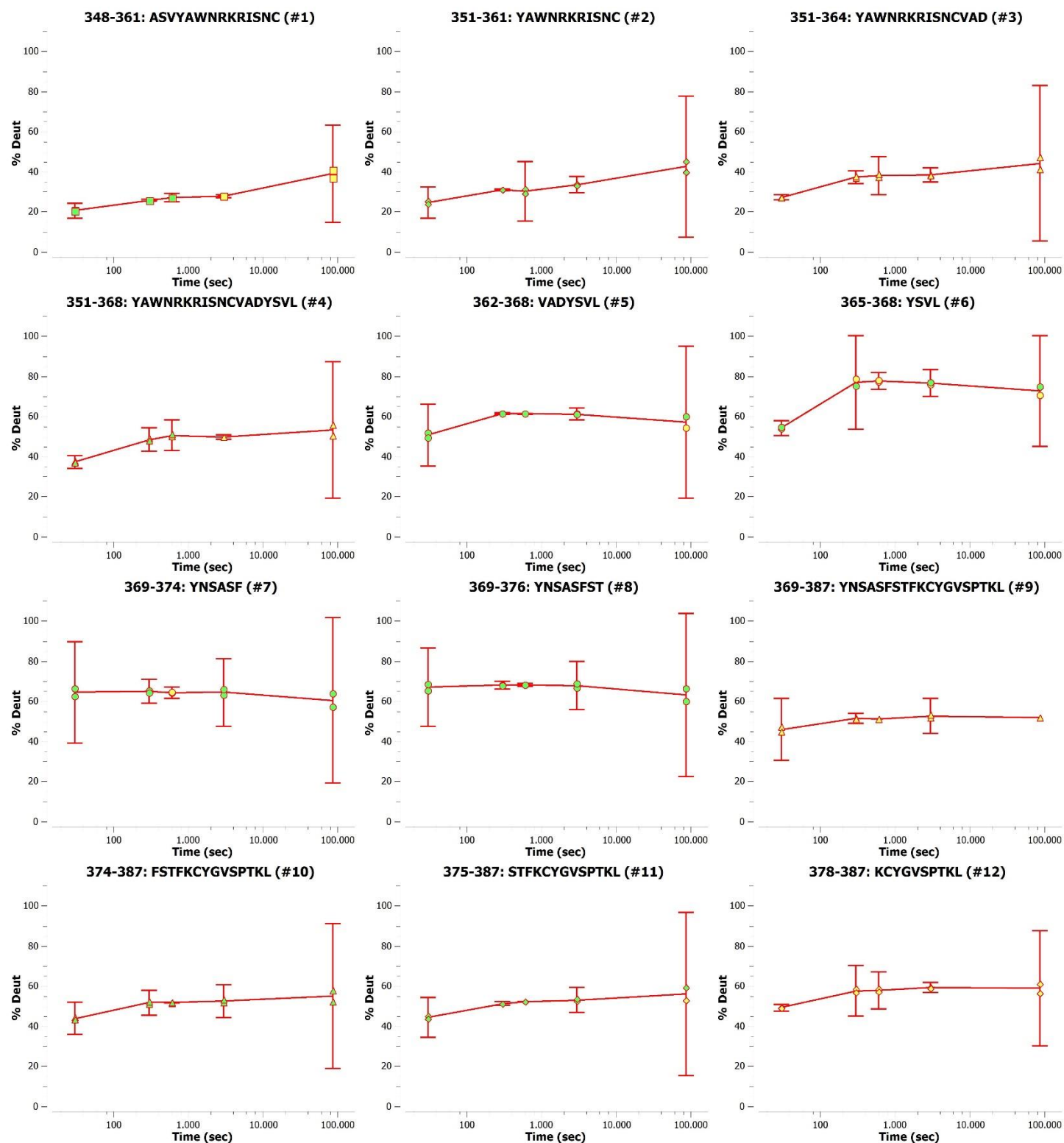
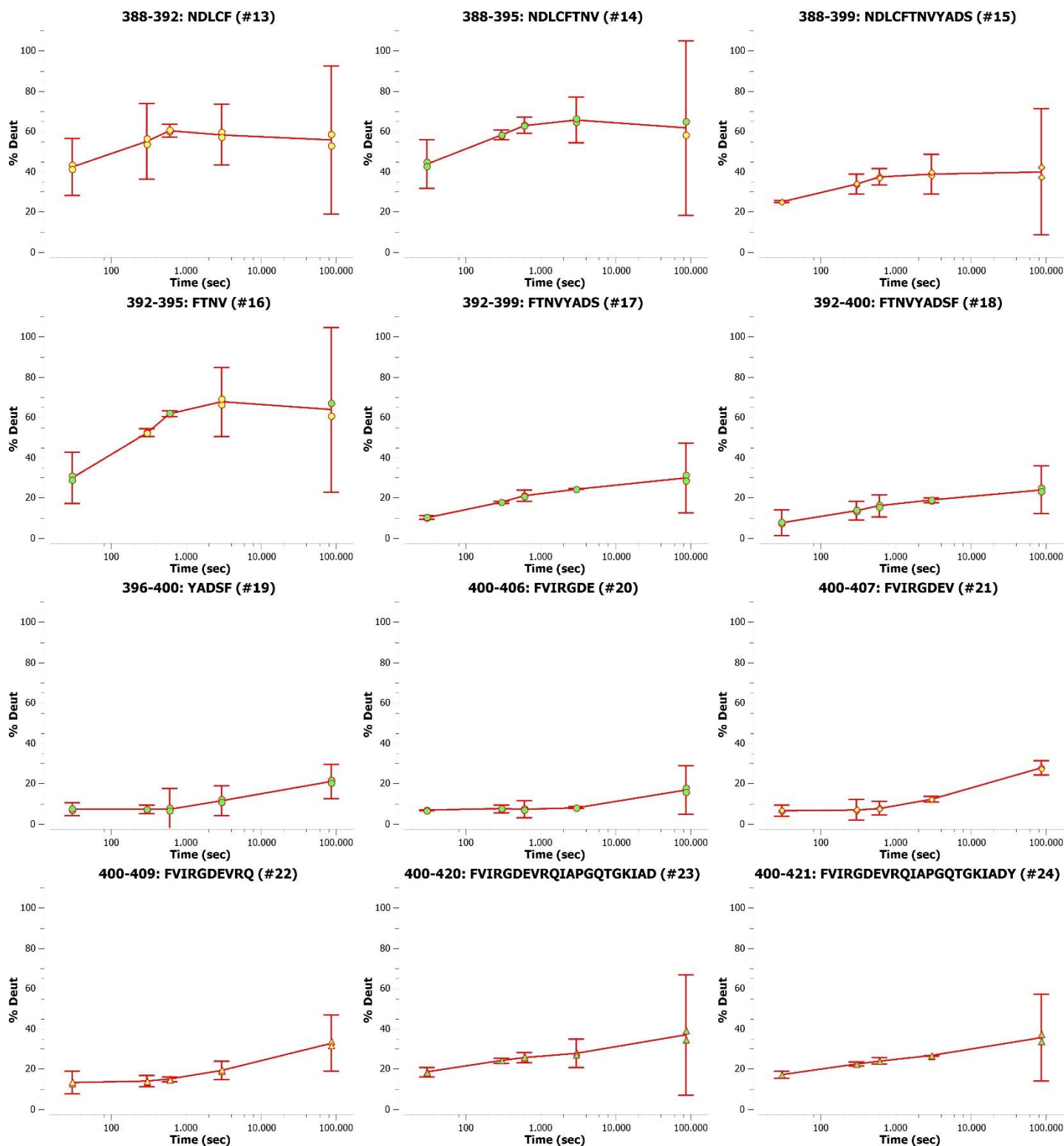


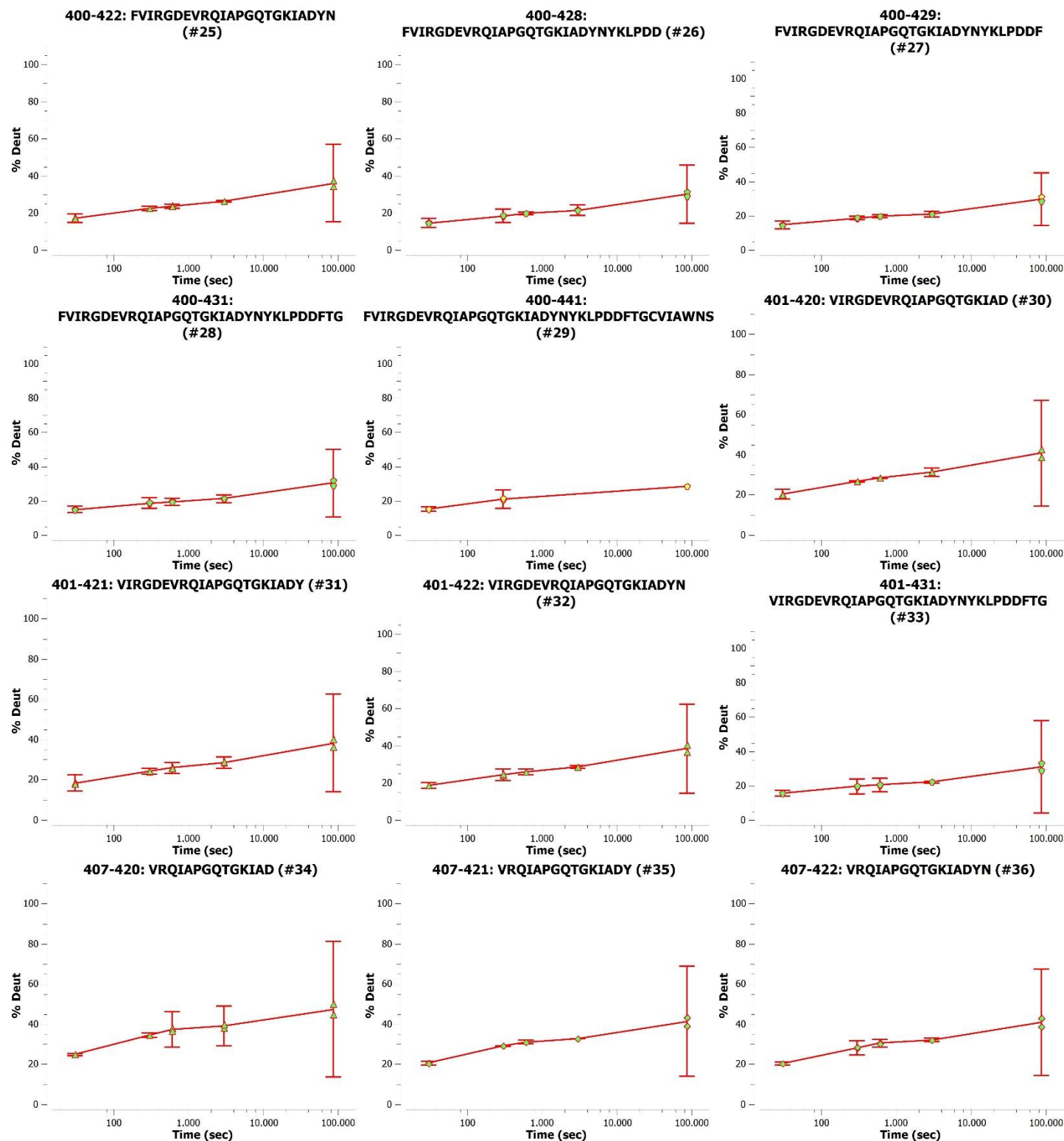
Figure A10. HDX uptake plots of peptic peptides of ANXA1 alone and in presence of the antibody using the bead-based HDX workflow as published in [1]. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 500 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

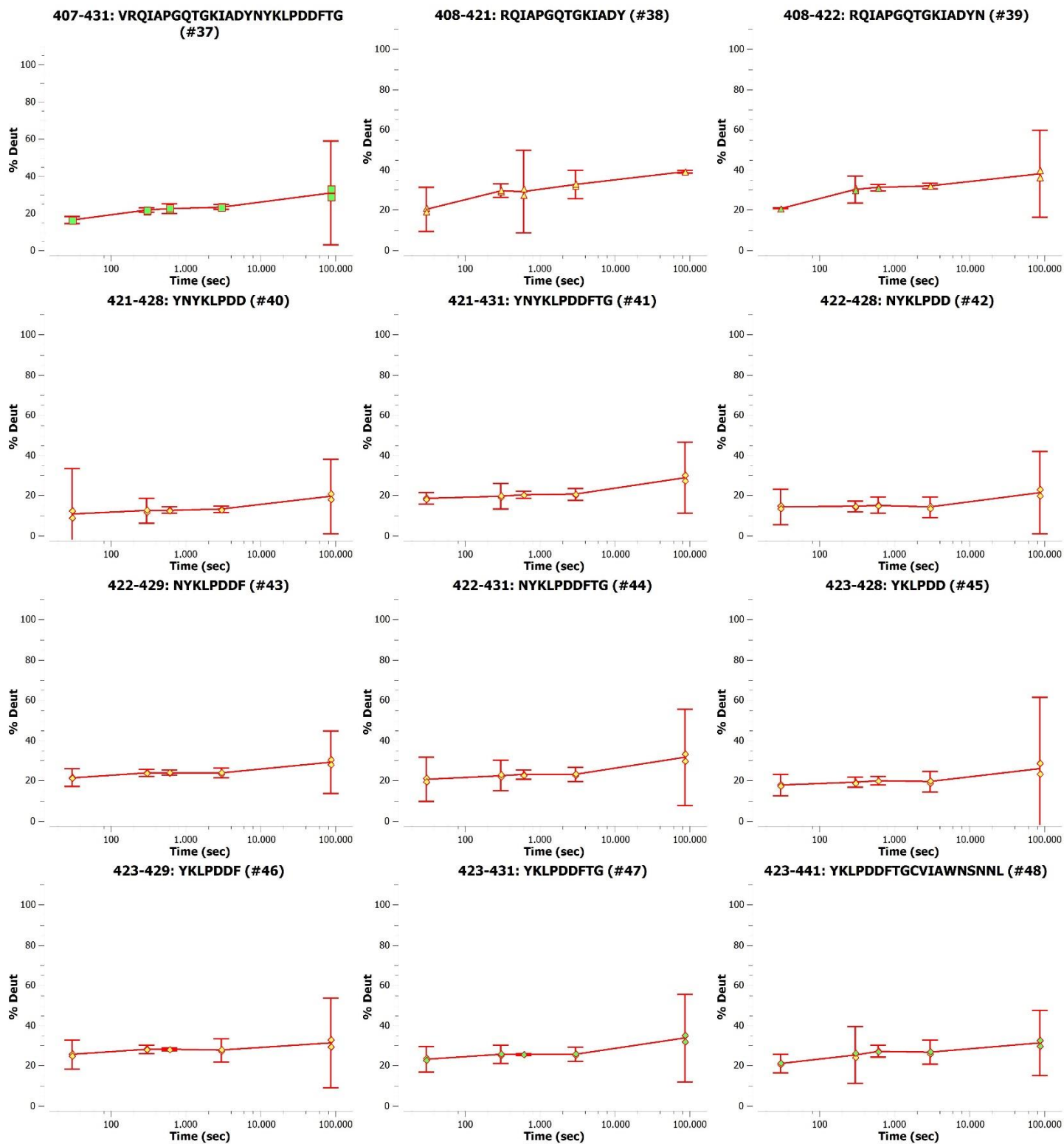
[1] Gramlich *et al.* (2021); *Antibodies* 10; <https://doi.org/10.3390/antib10010011>

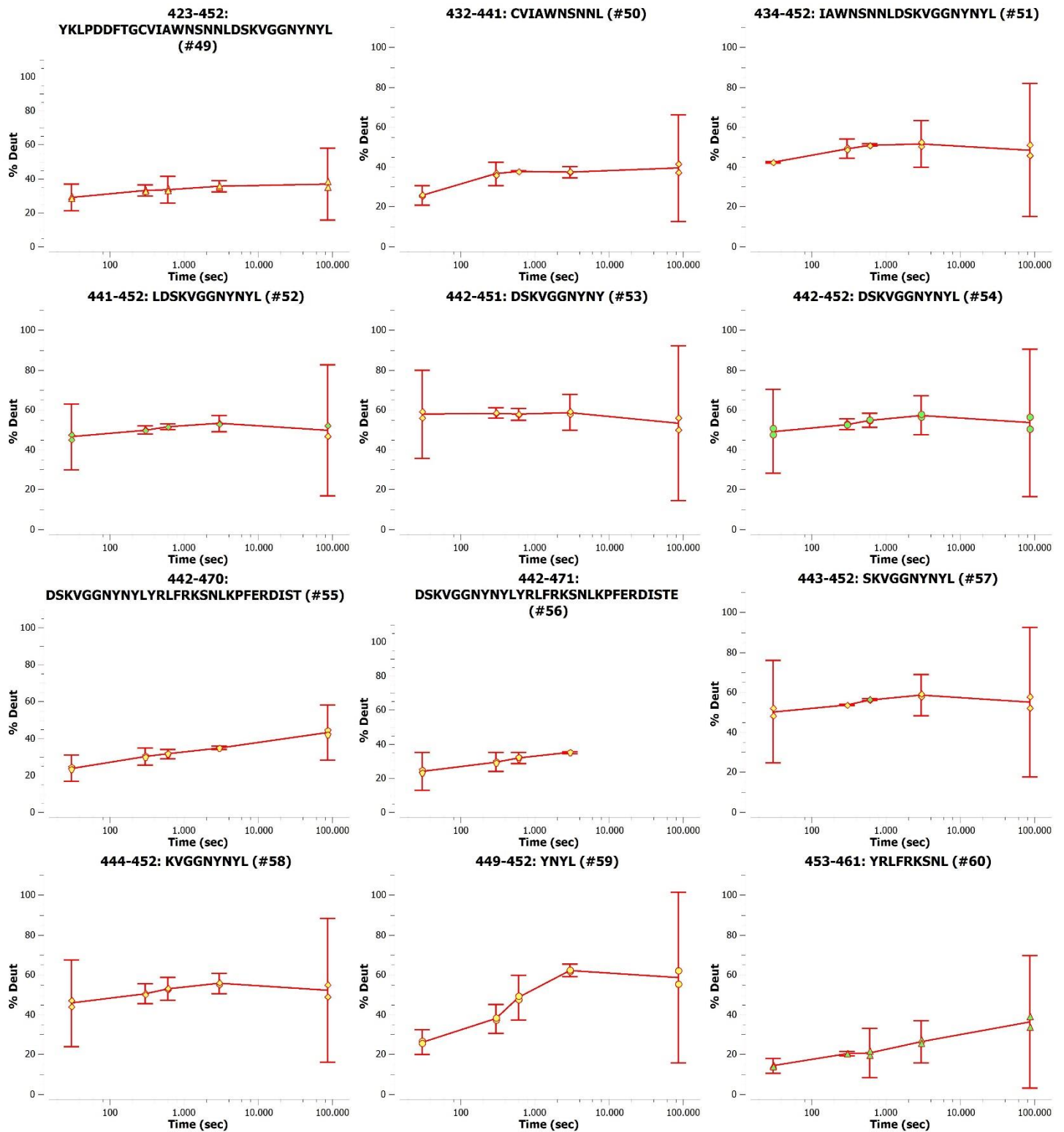
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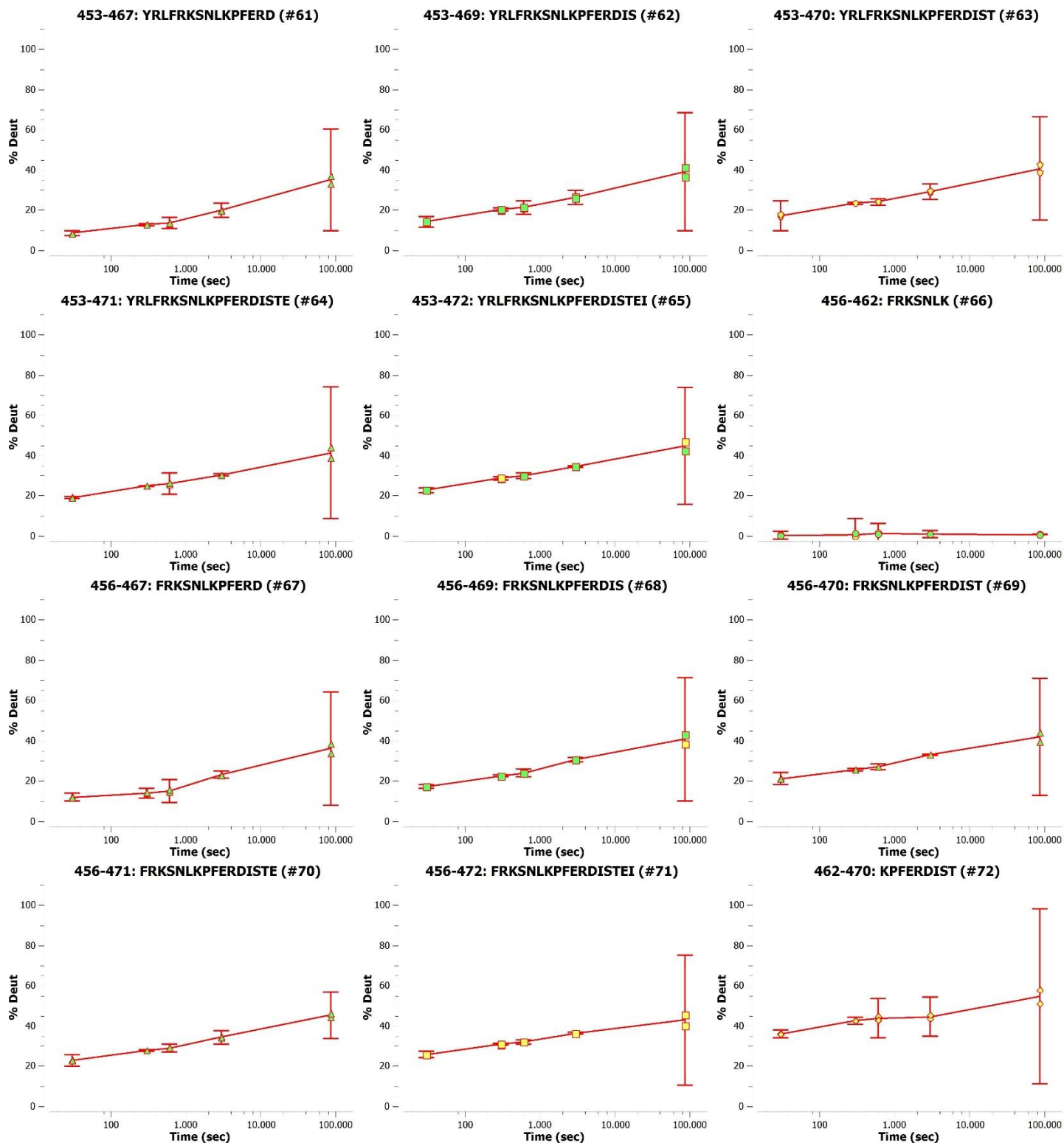


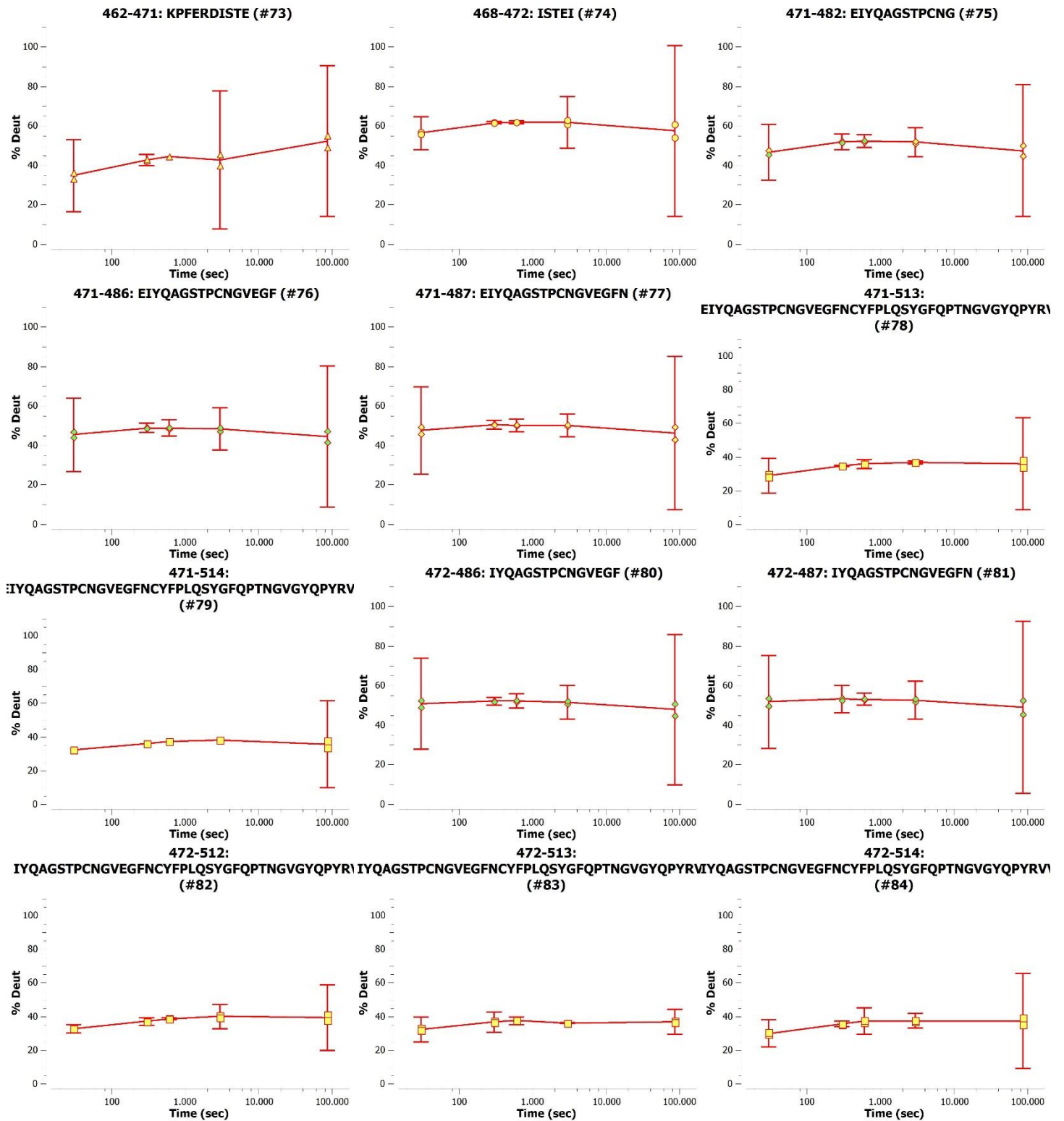


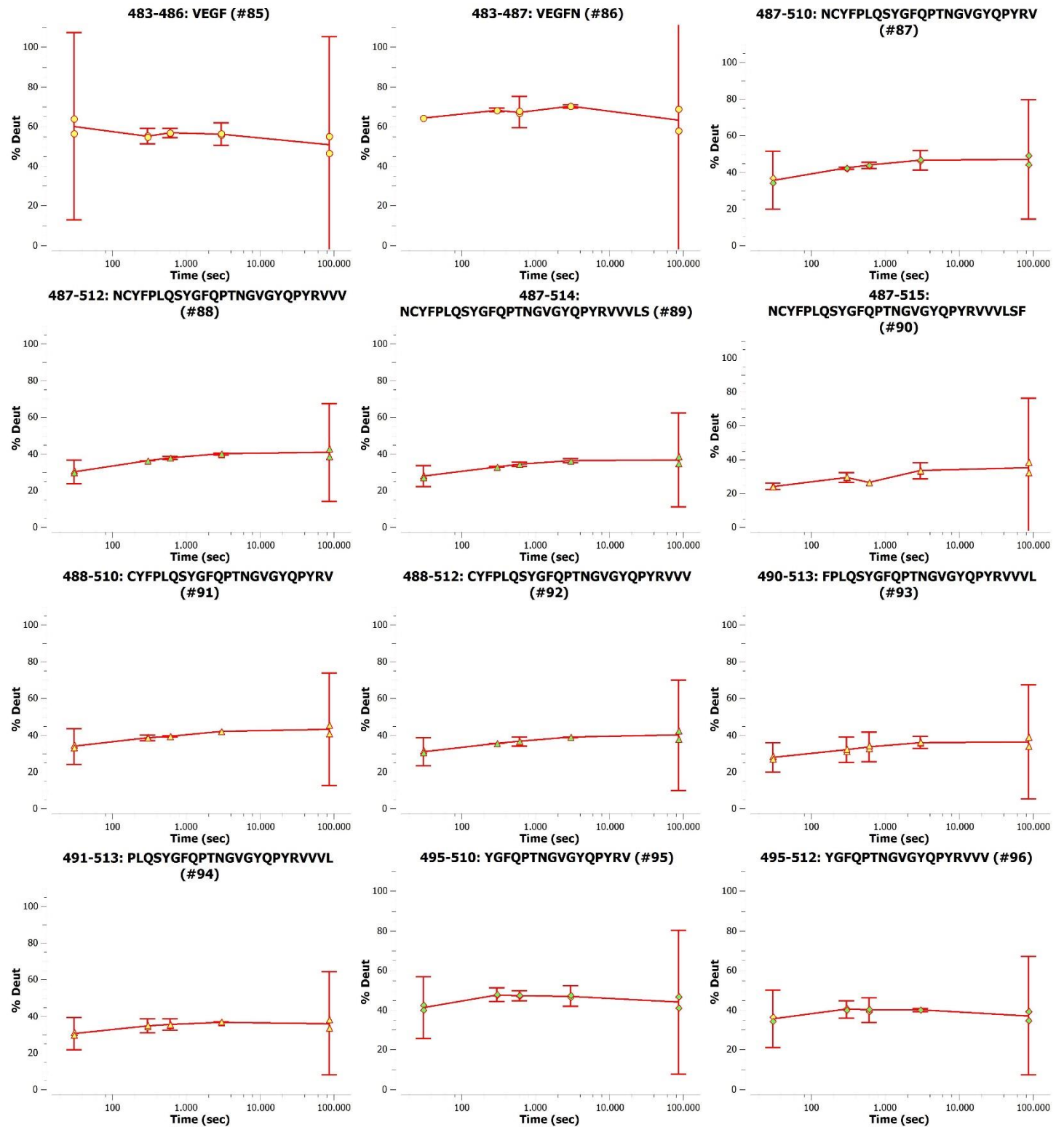


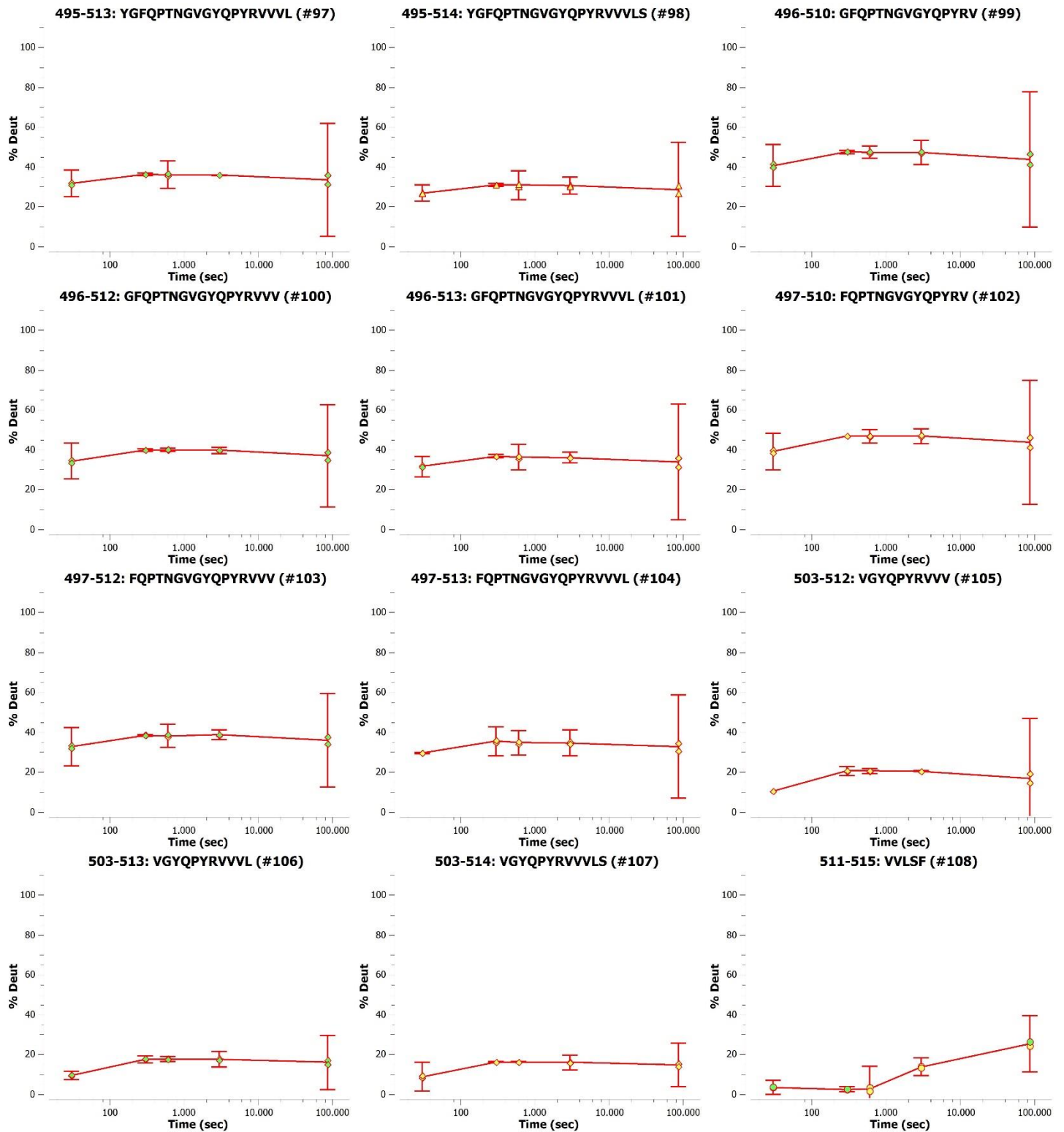












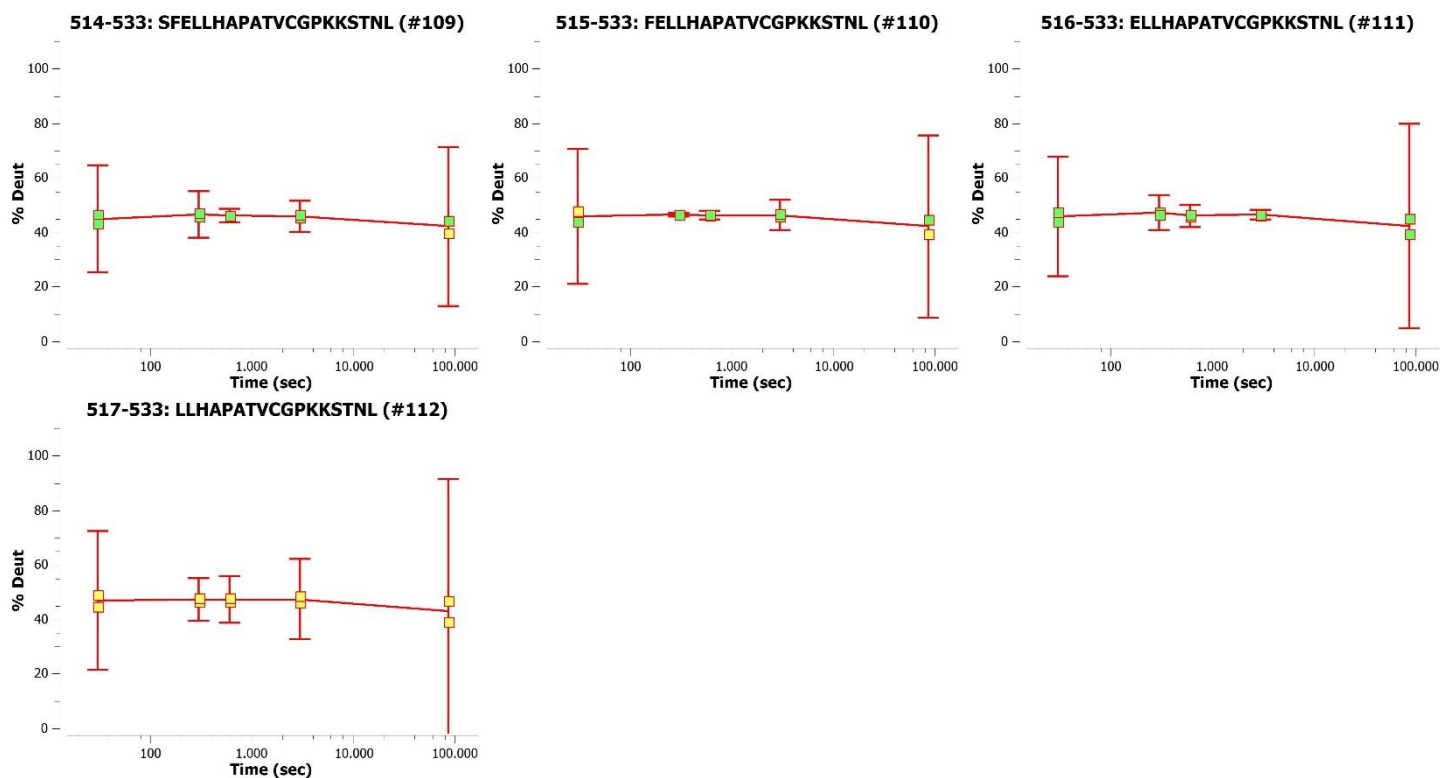
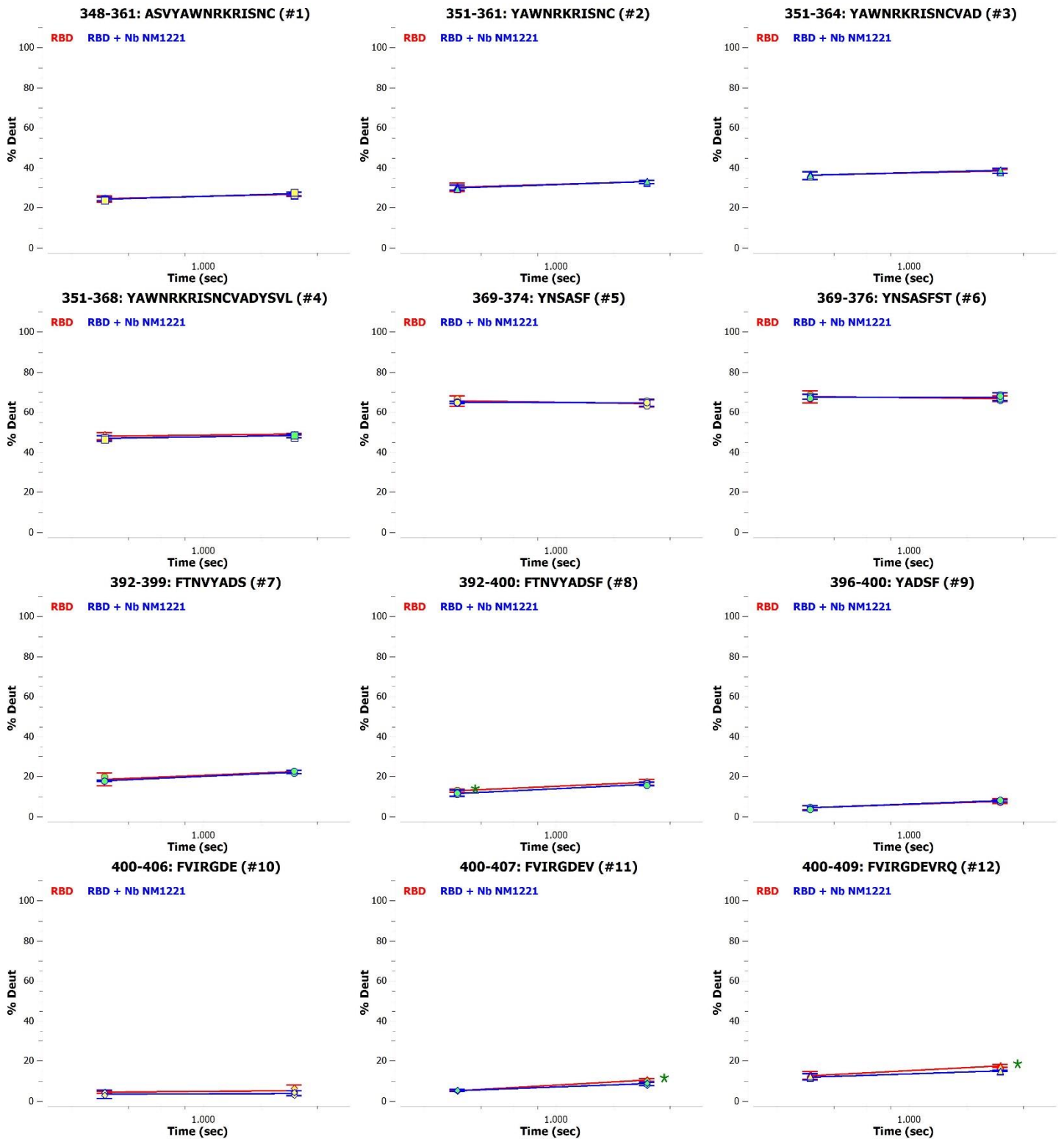
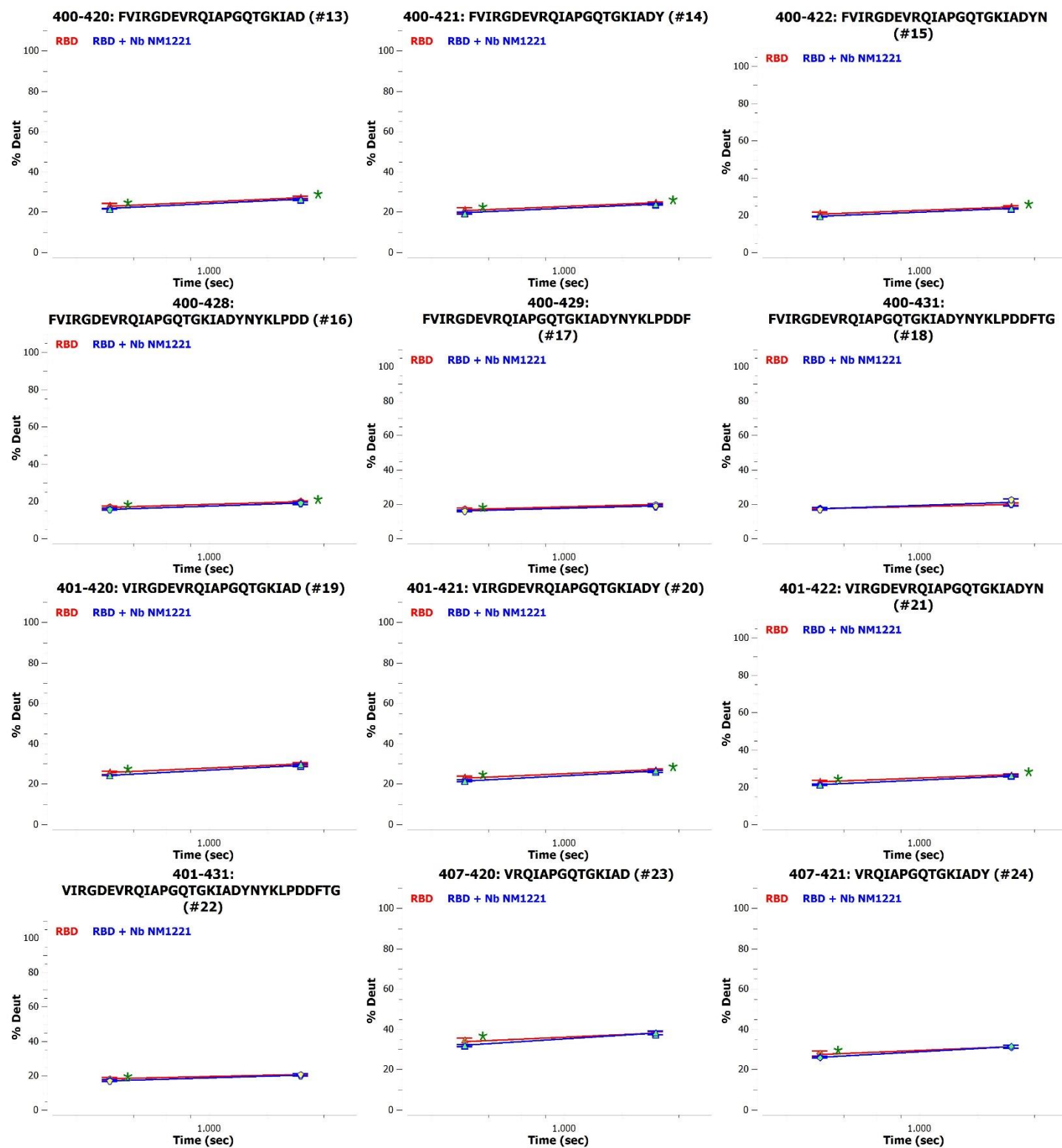
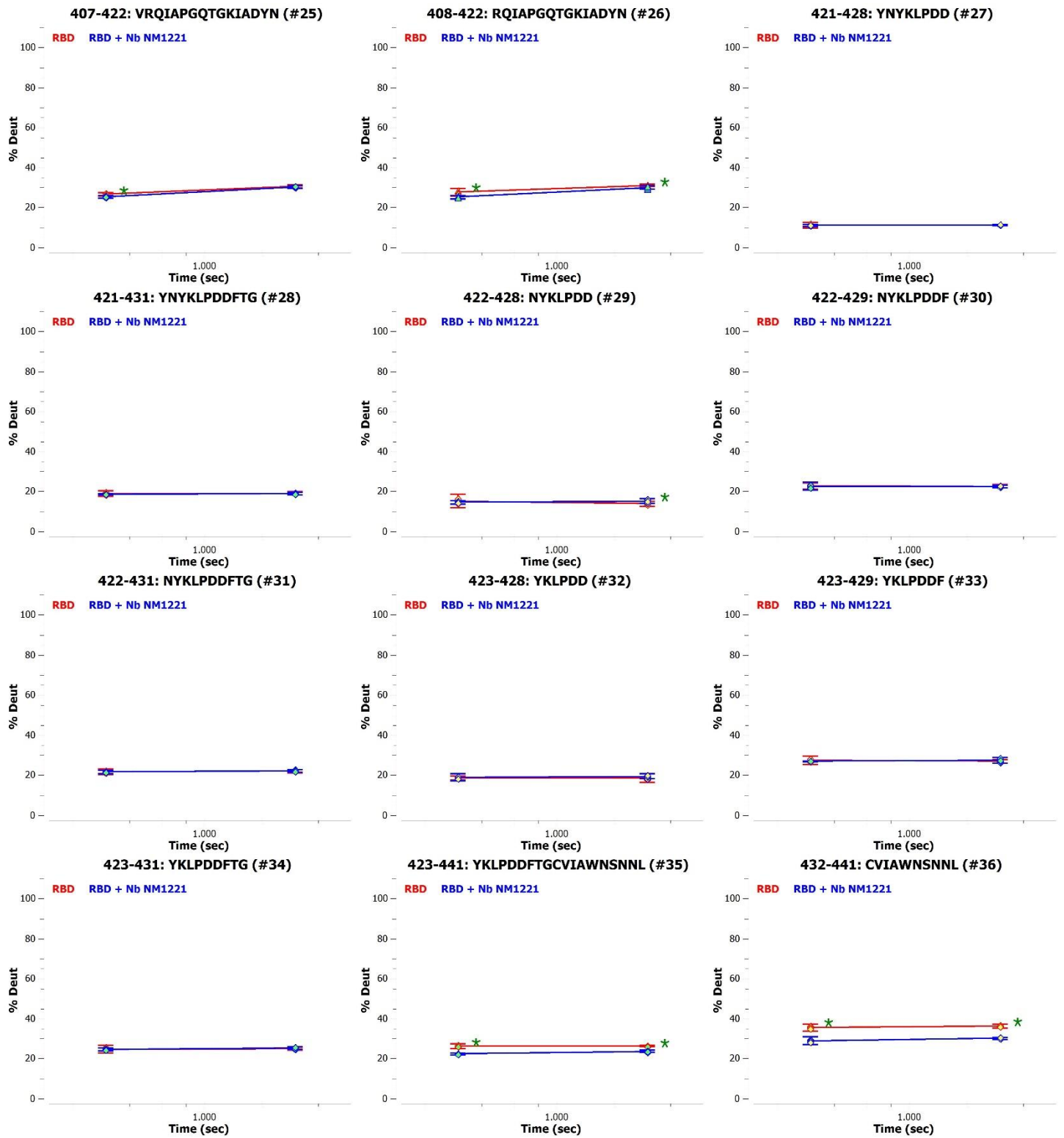


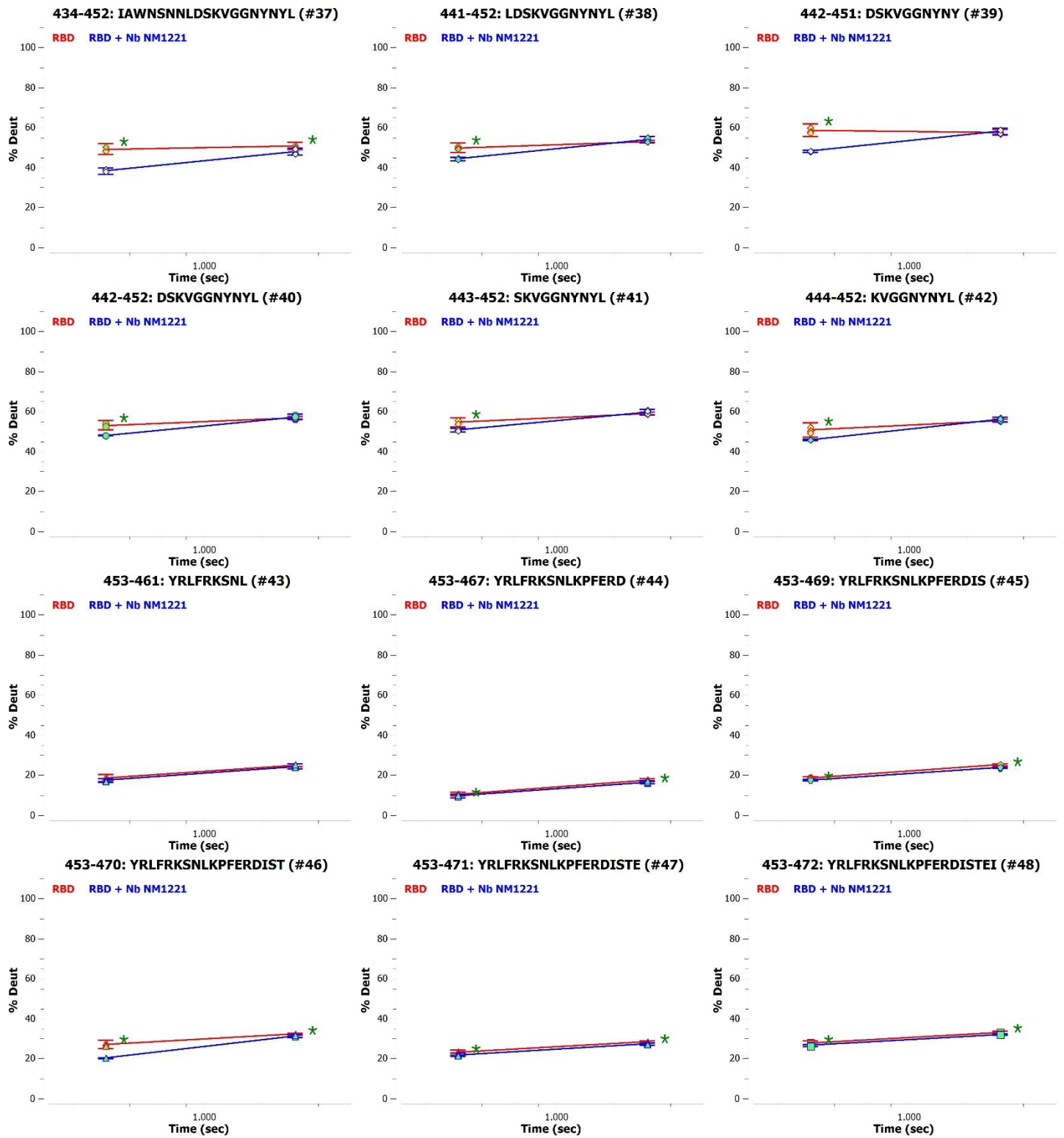
Figure A11. HDX uptake plots of peptic peptides of RBD kinetic. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 0.5, 5, 10, 50 min and 24 h. Error bars = significance interval on 95% confidence based on the measurement of independent technical replicates (n=2).

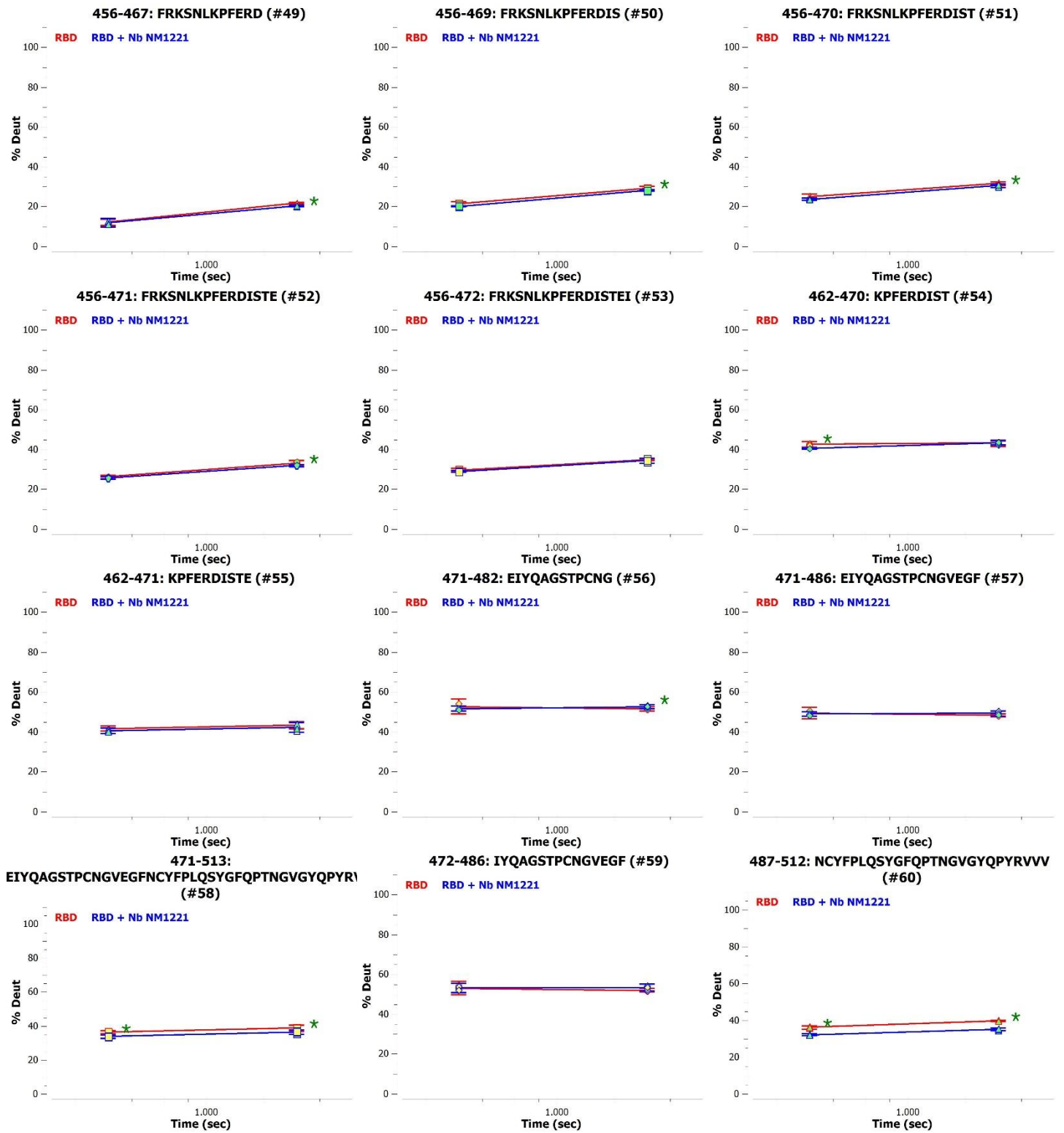
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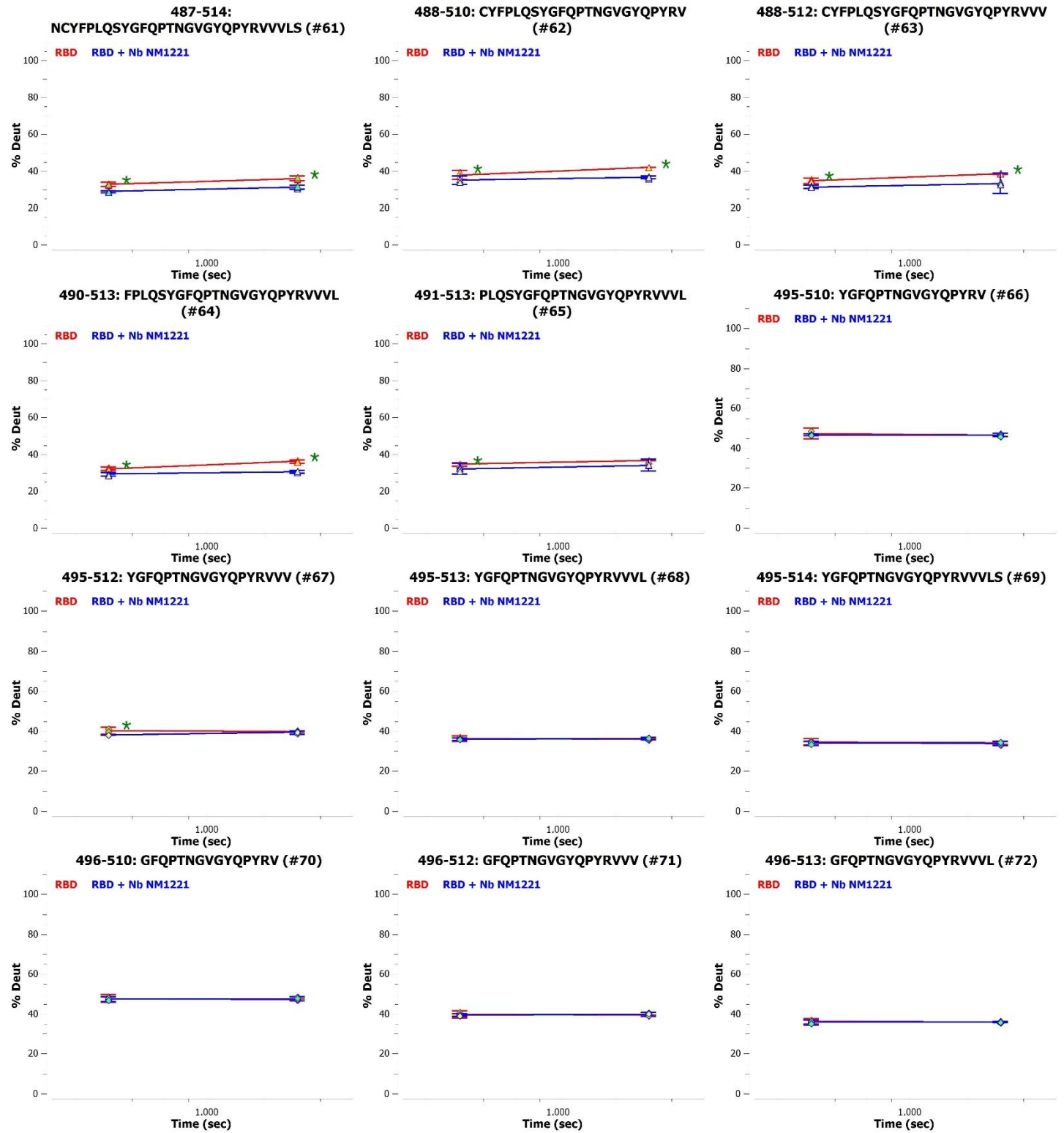












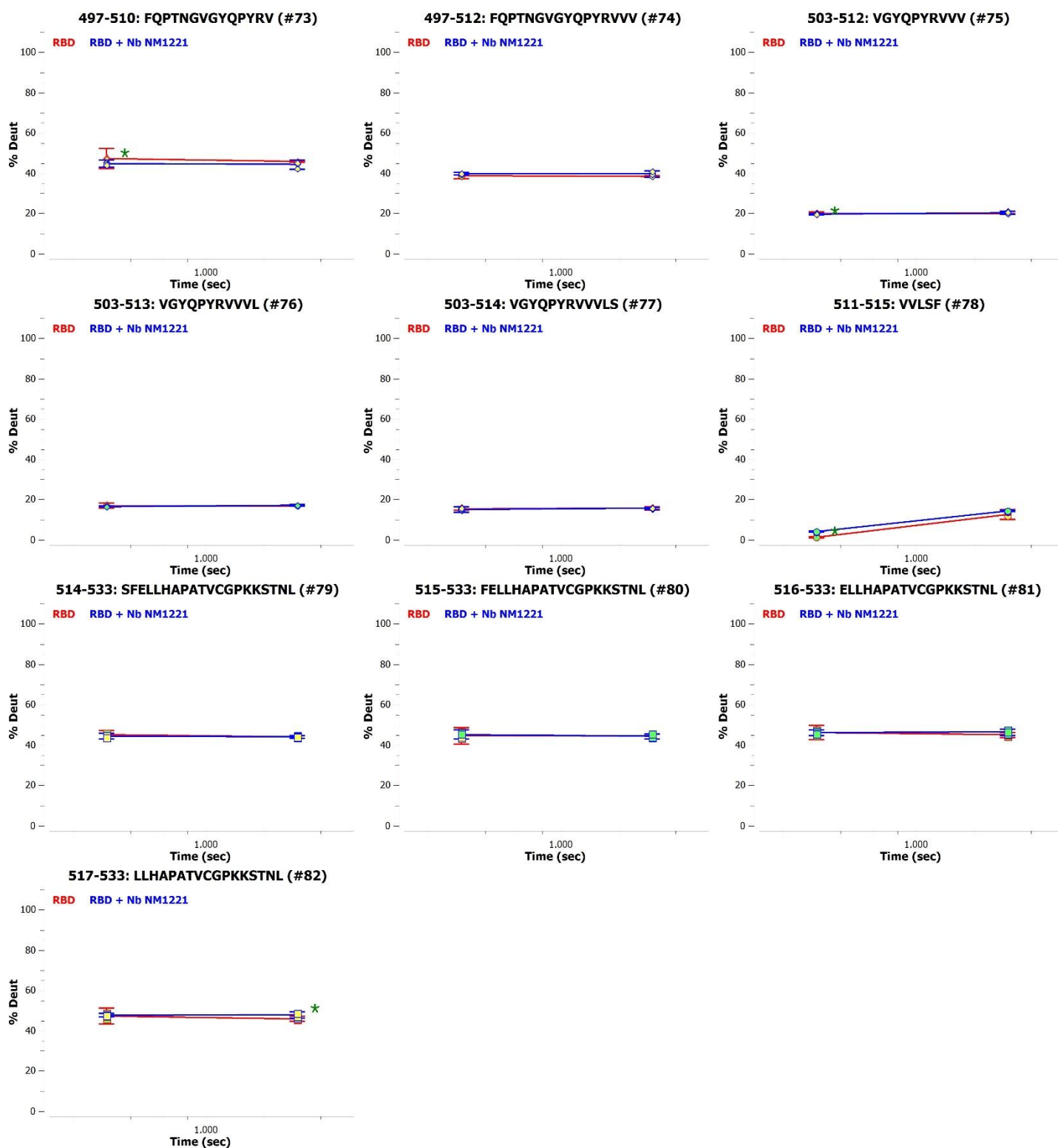
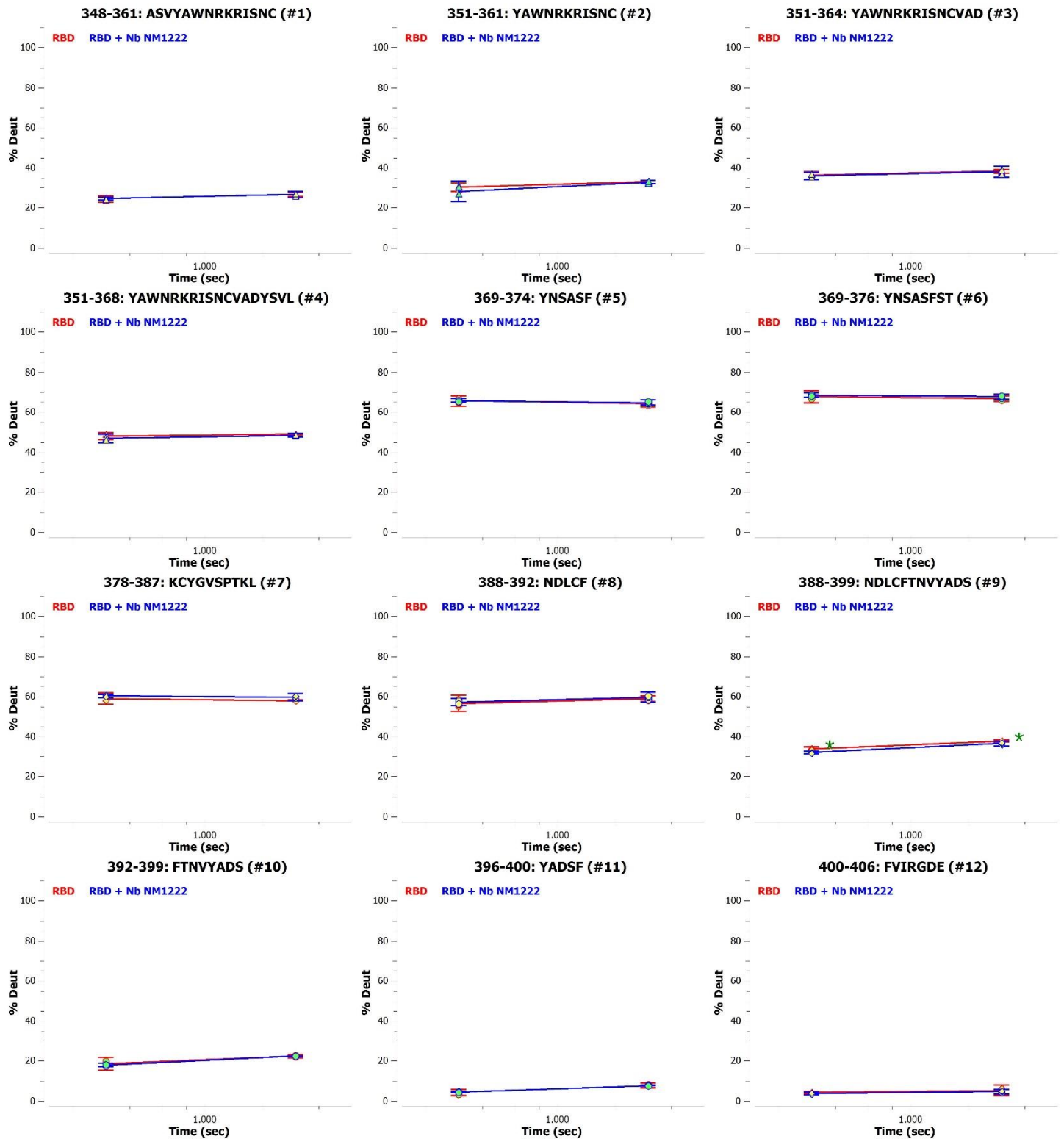
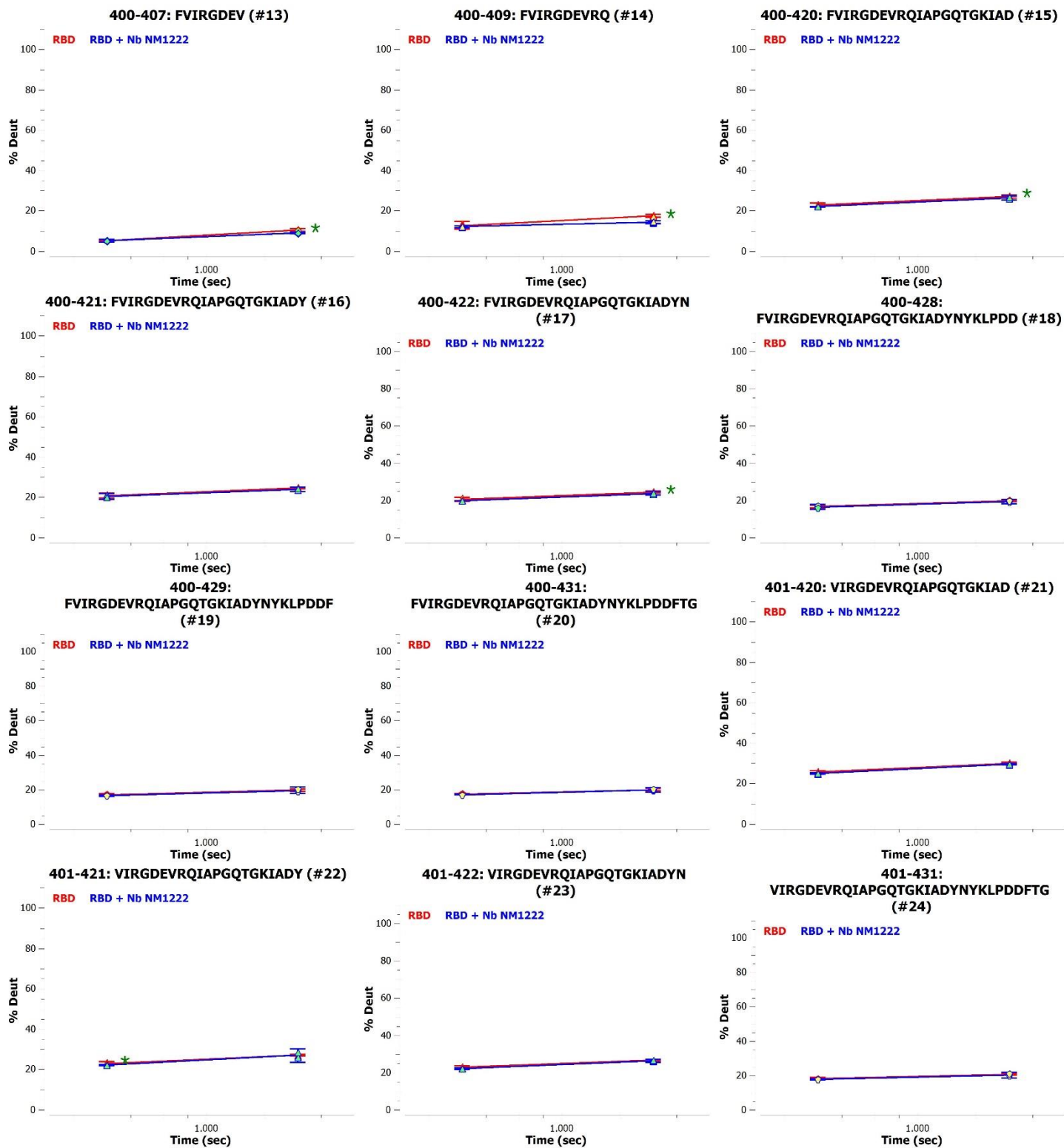
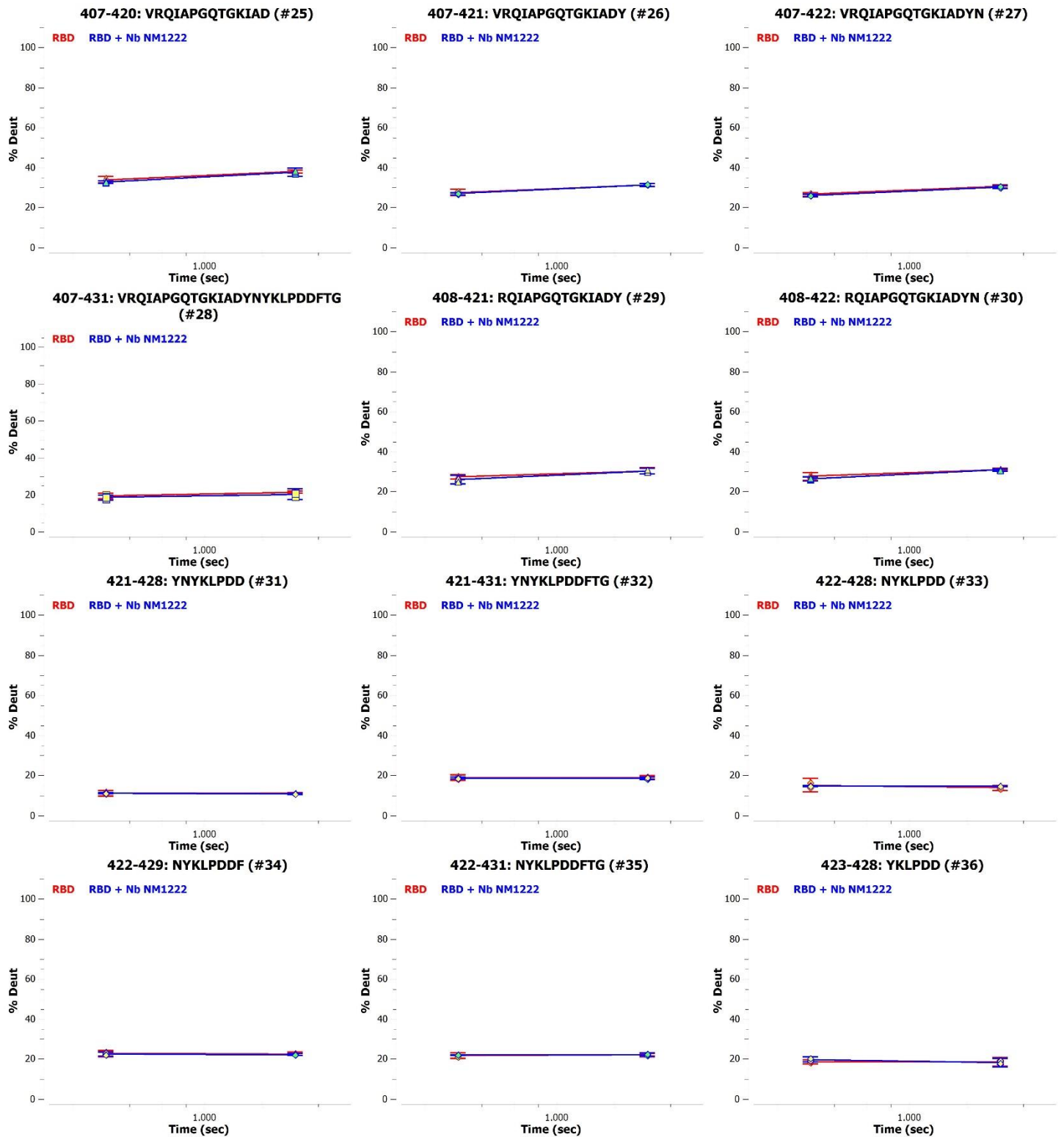


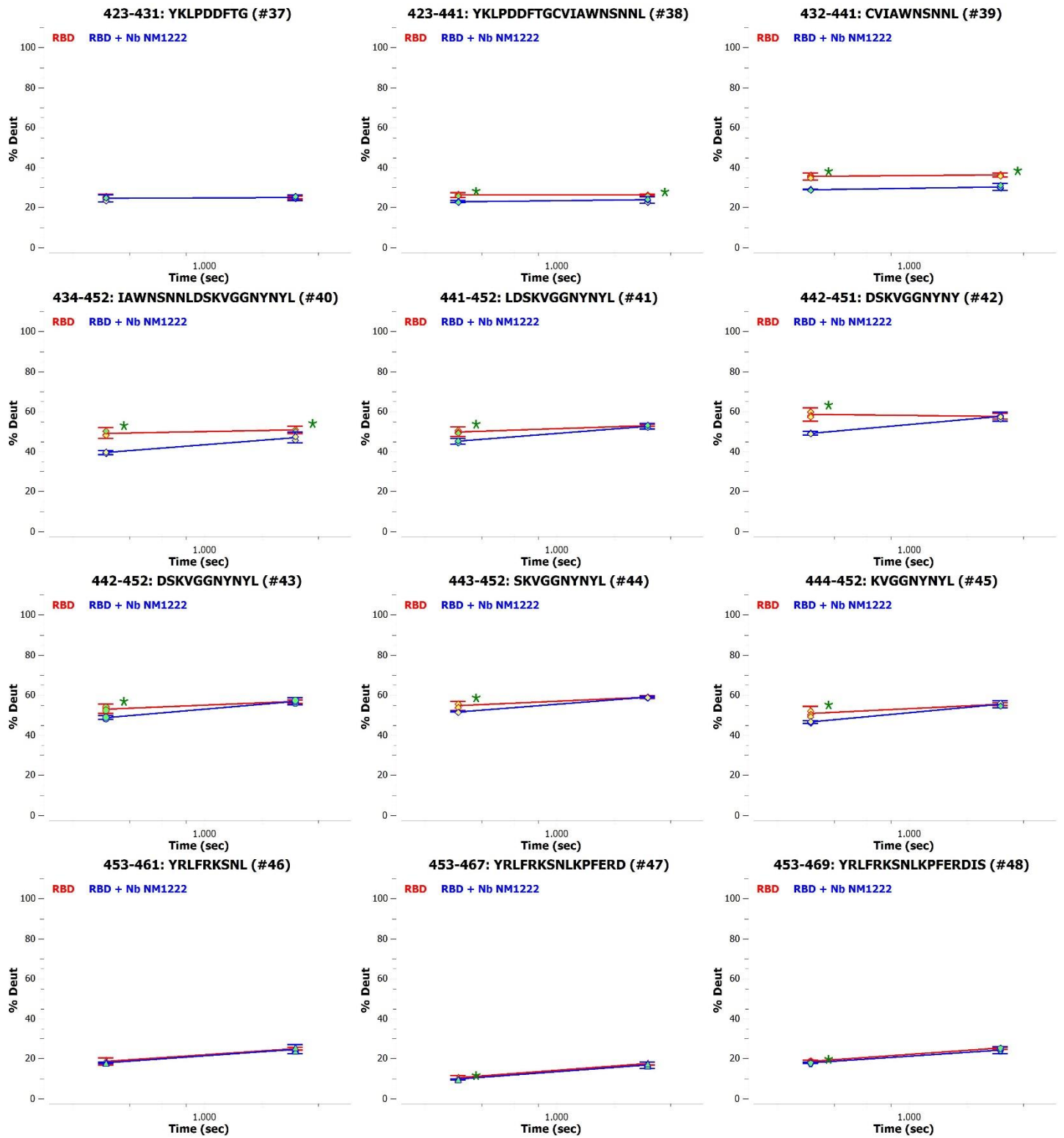
Figure A12. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1221. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p < 0.05$) are marked with an asterisk.

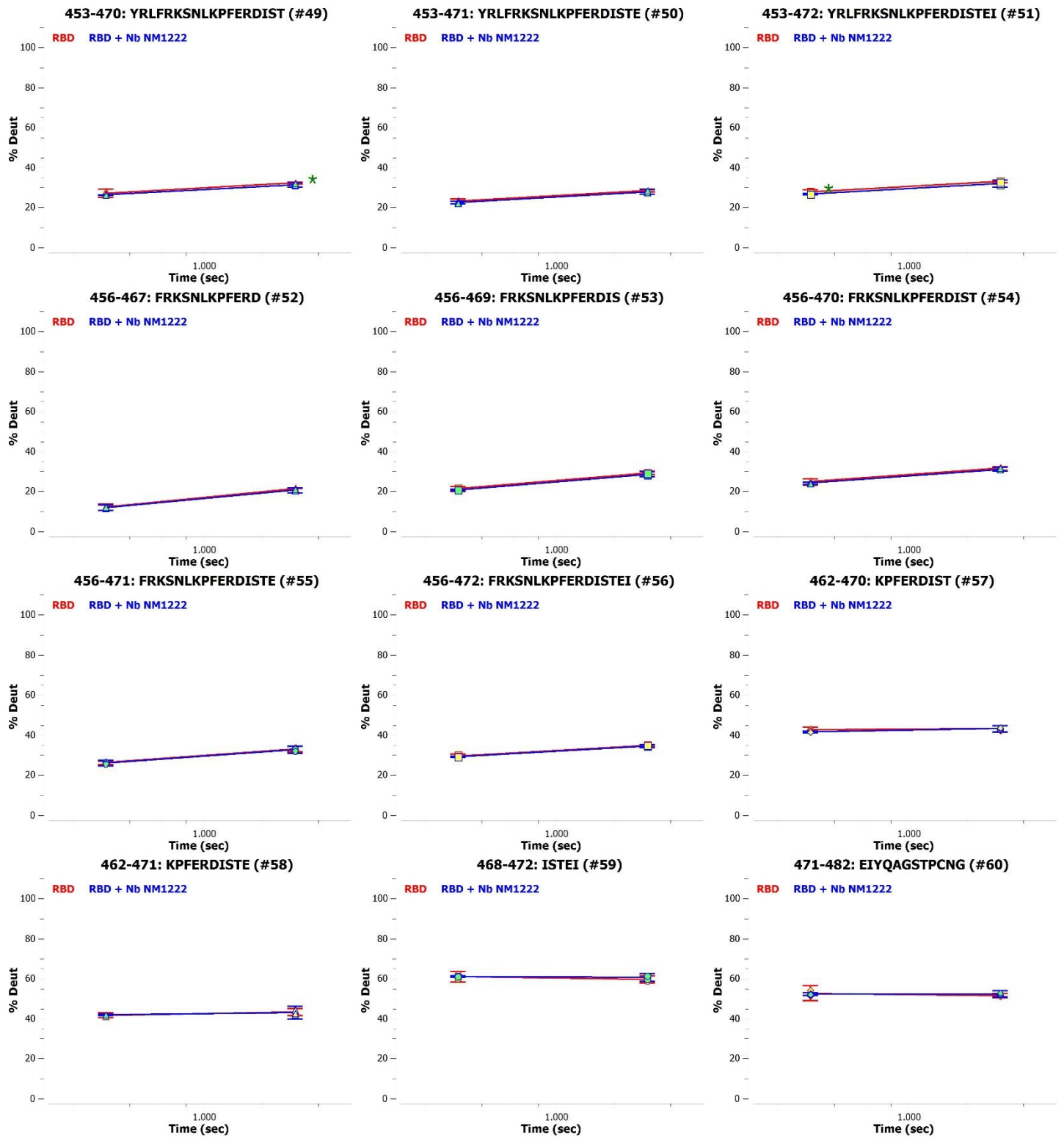
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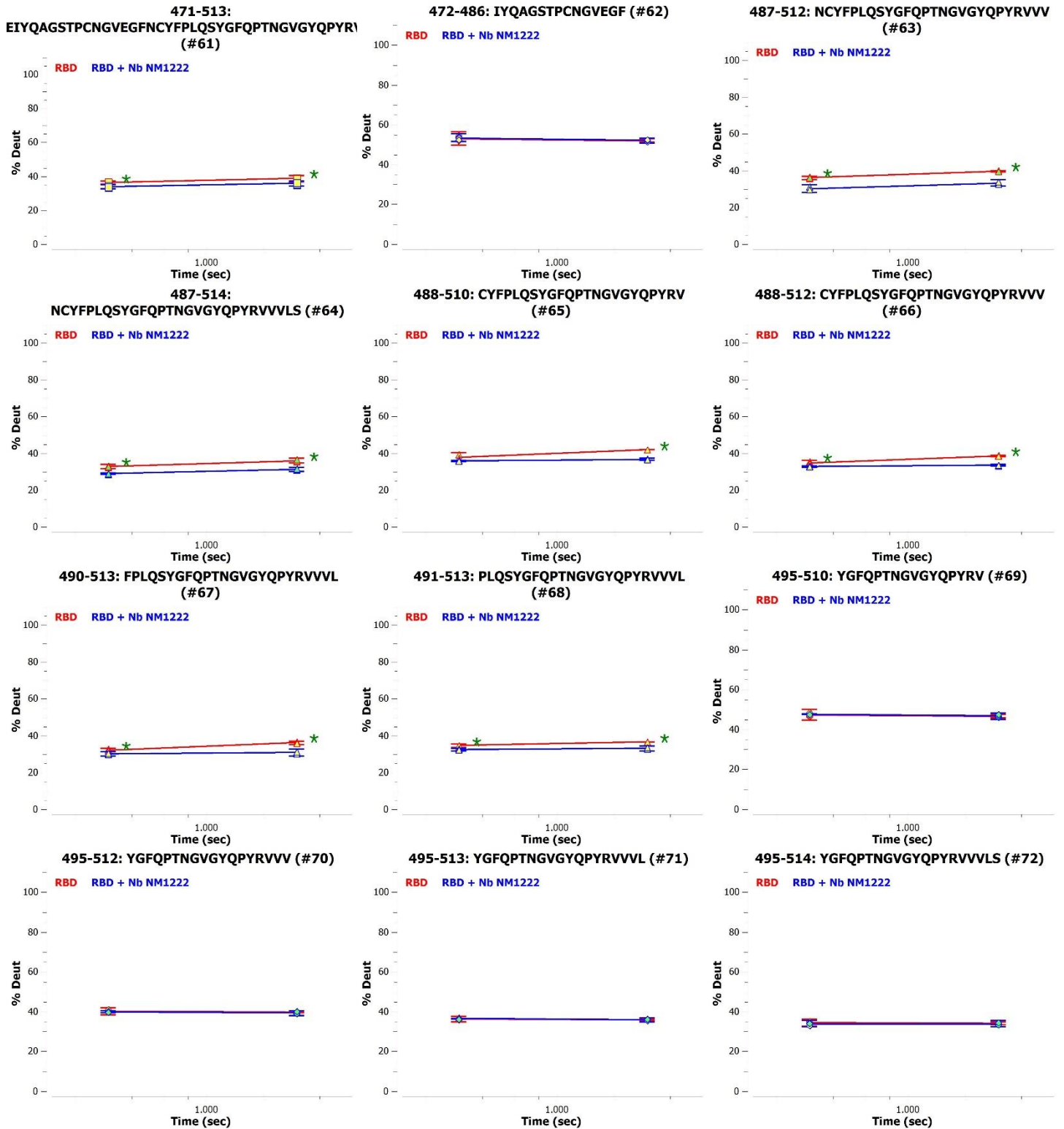












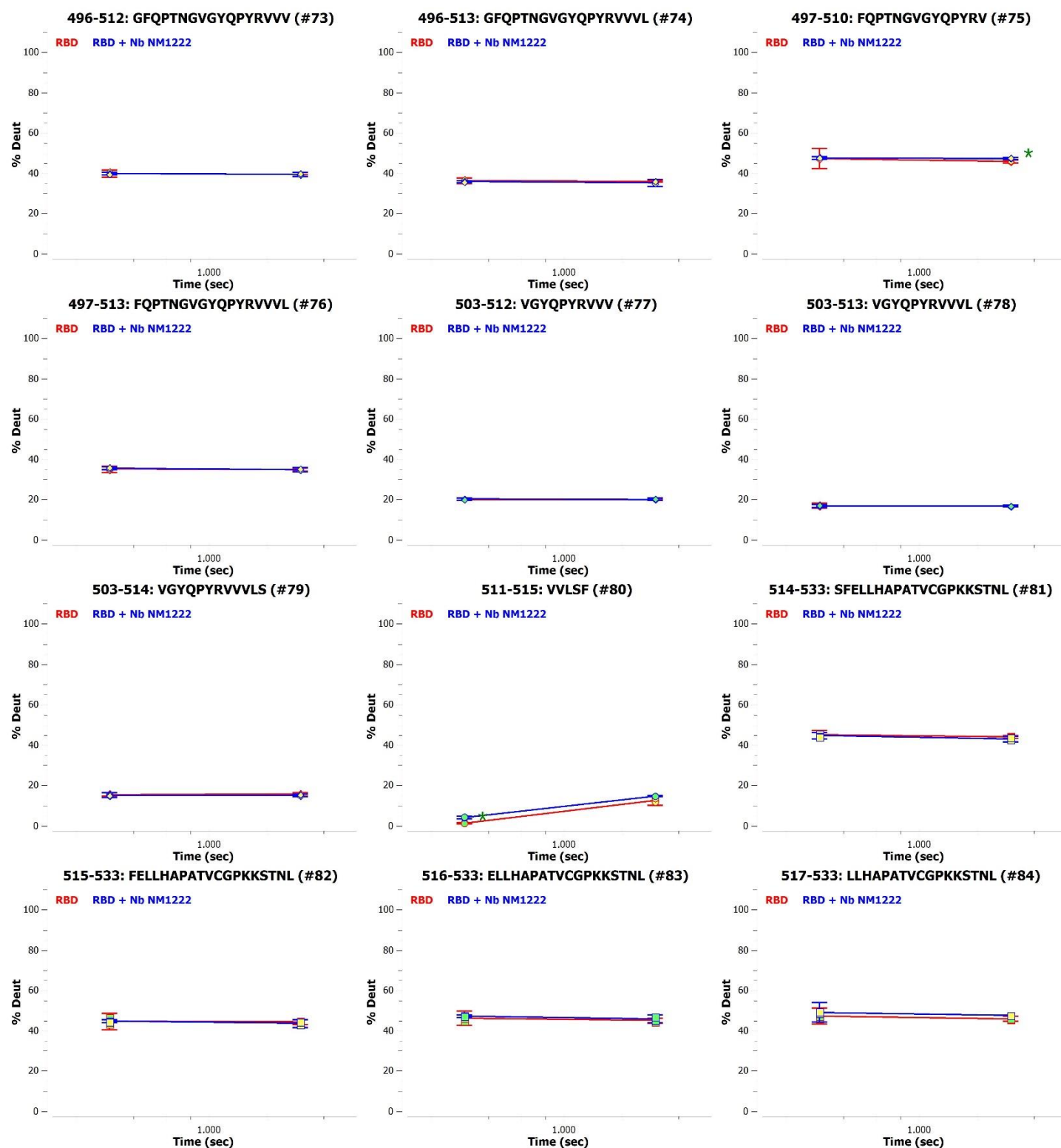
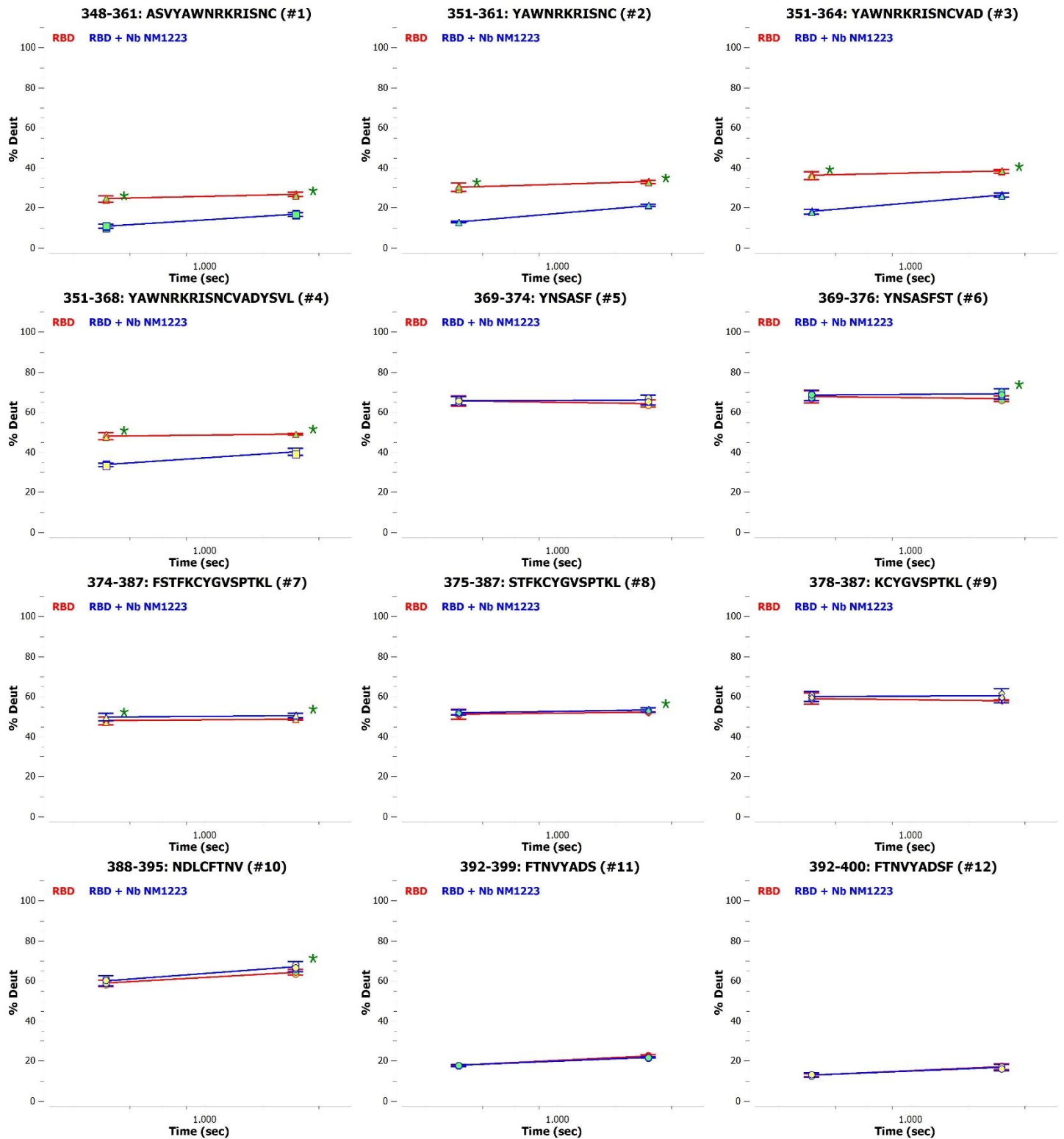
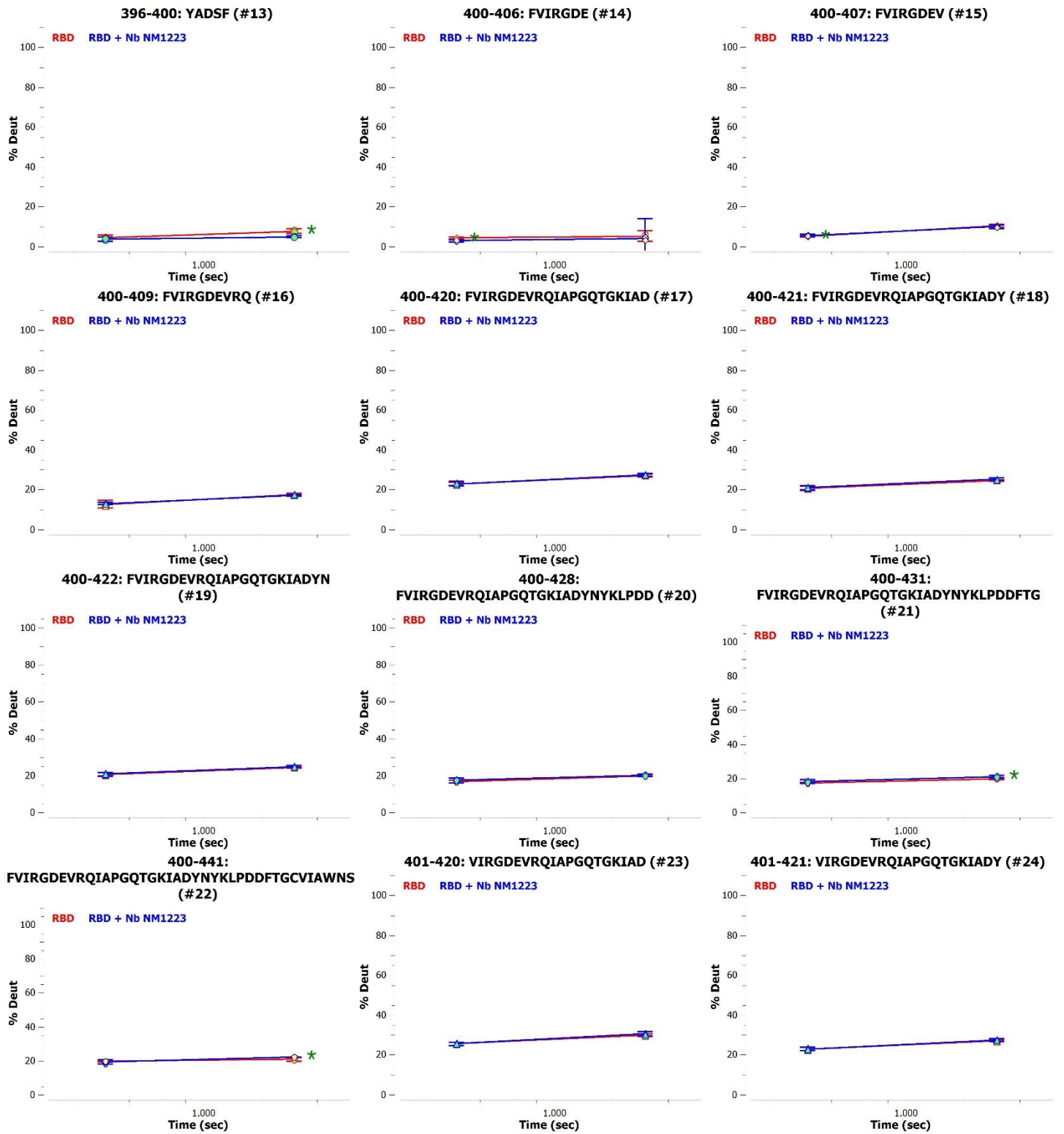
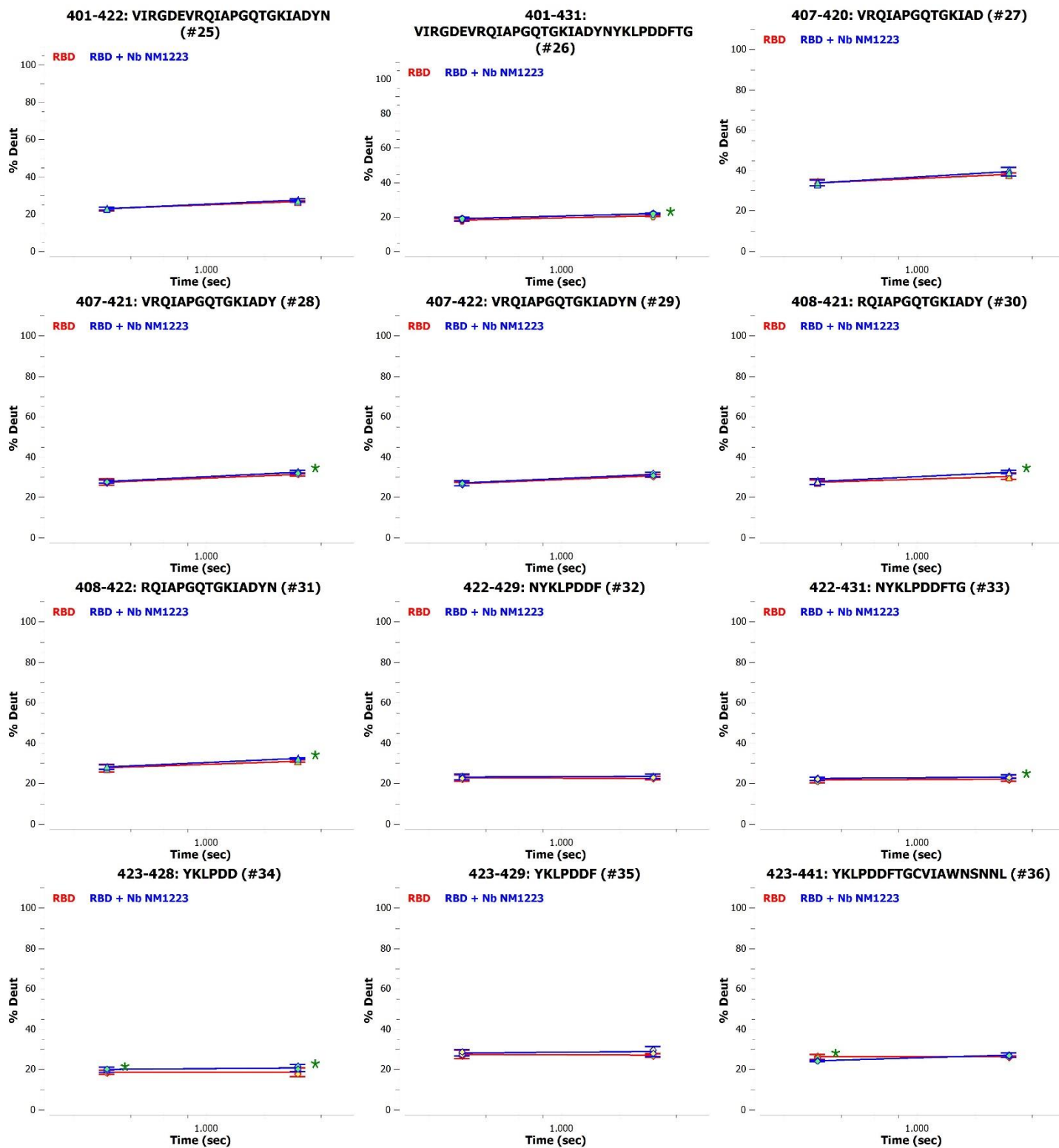


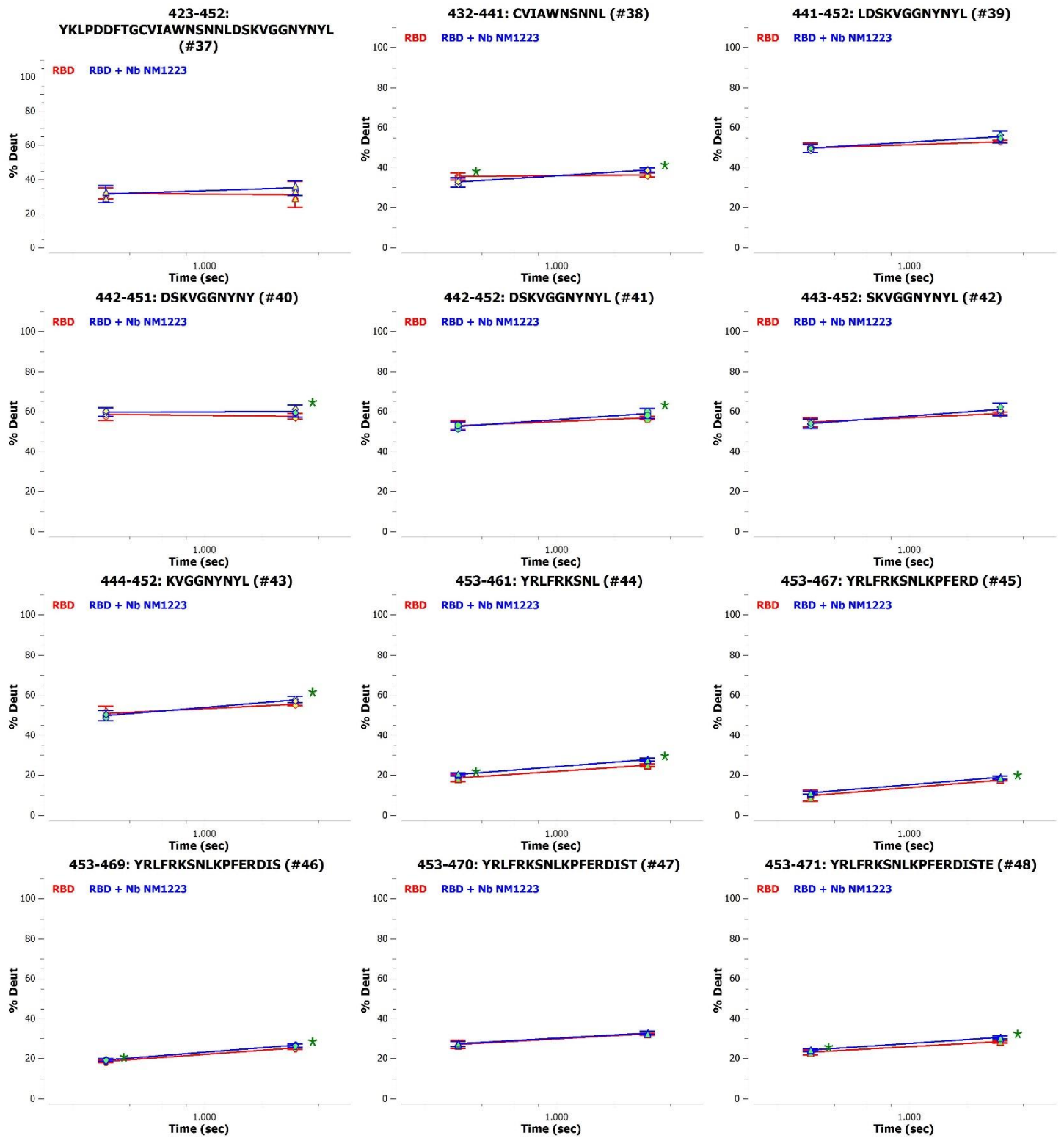
Figure A13. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1222. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

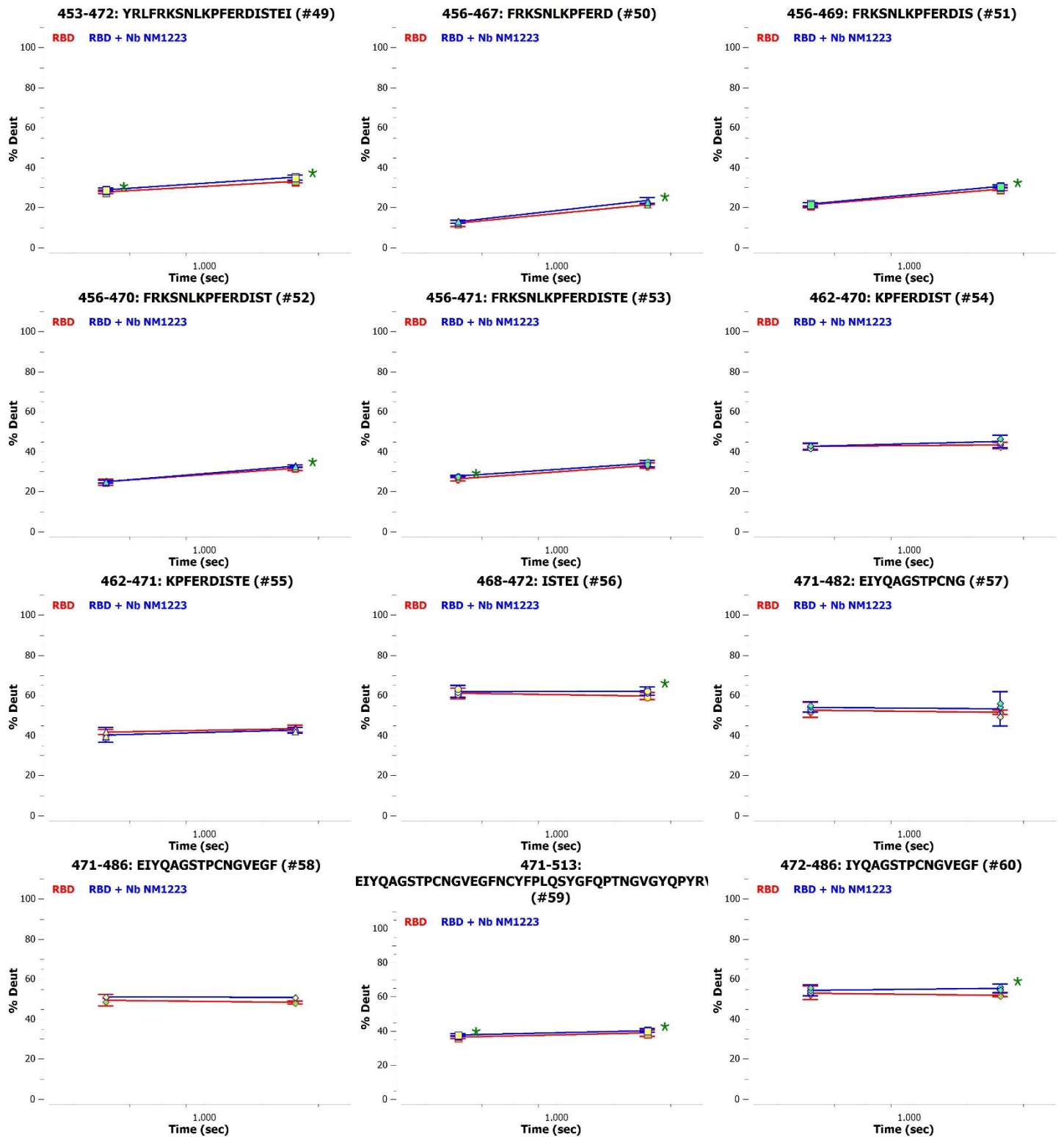
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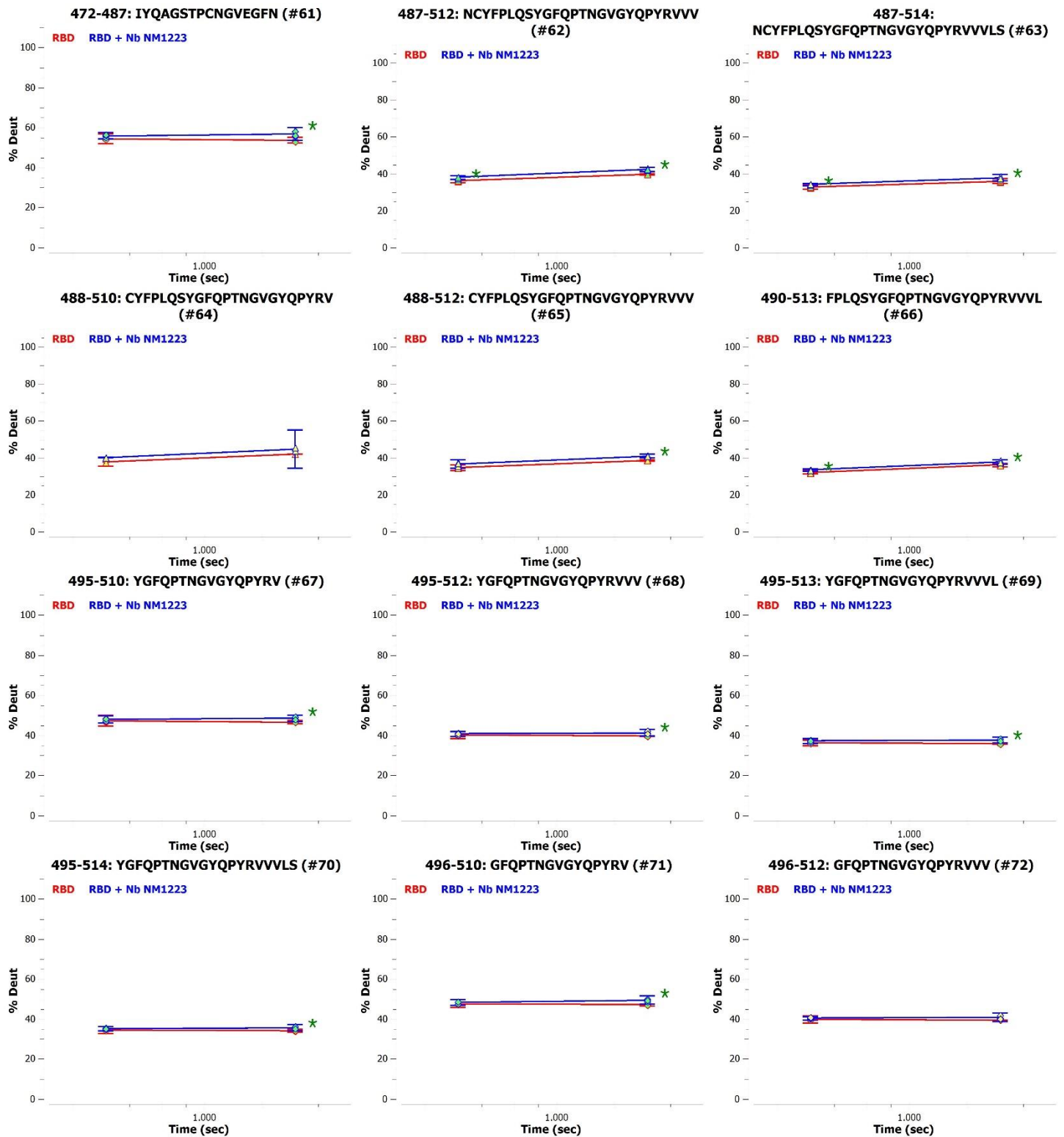












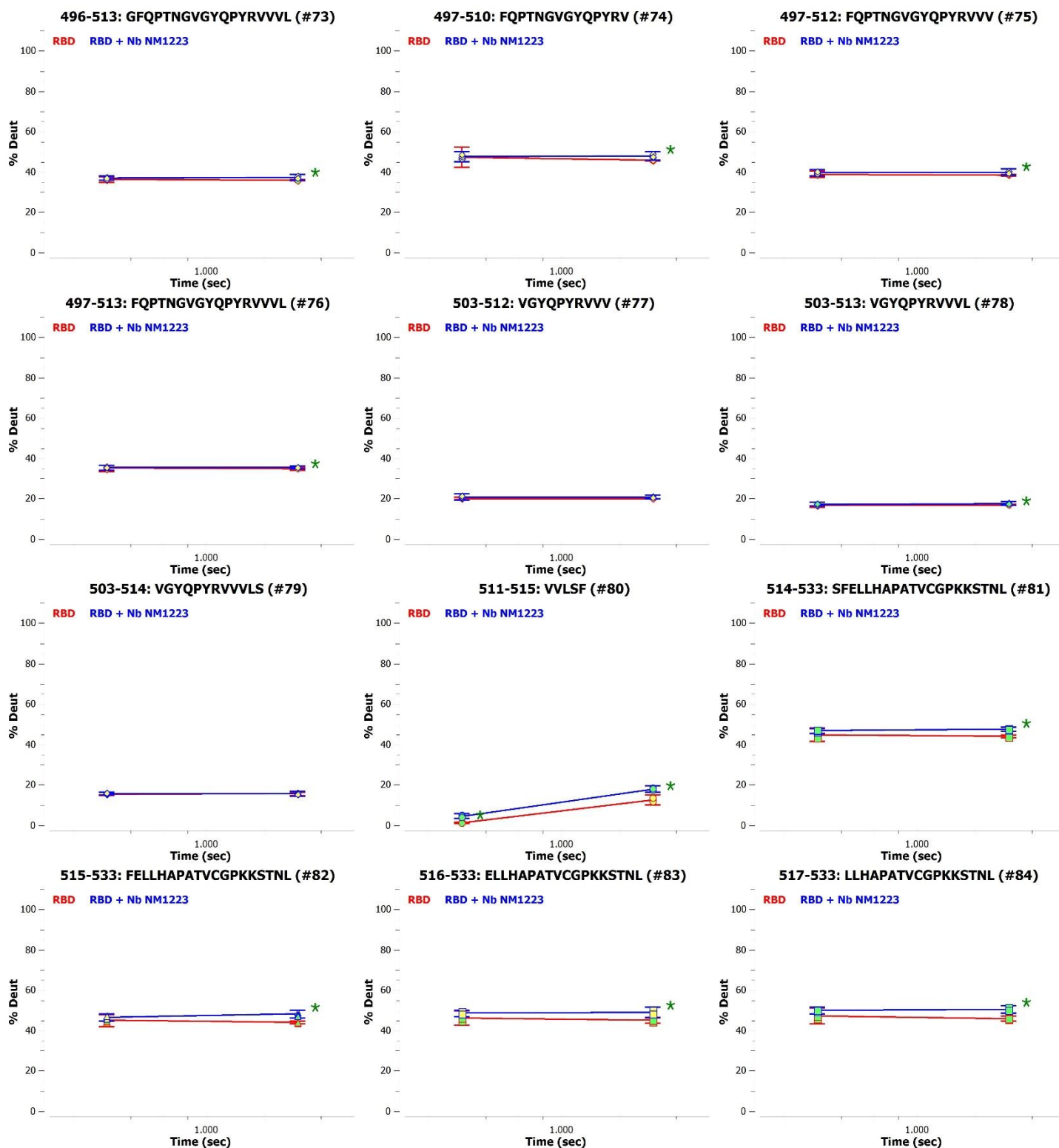
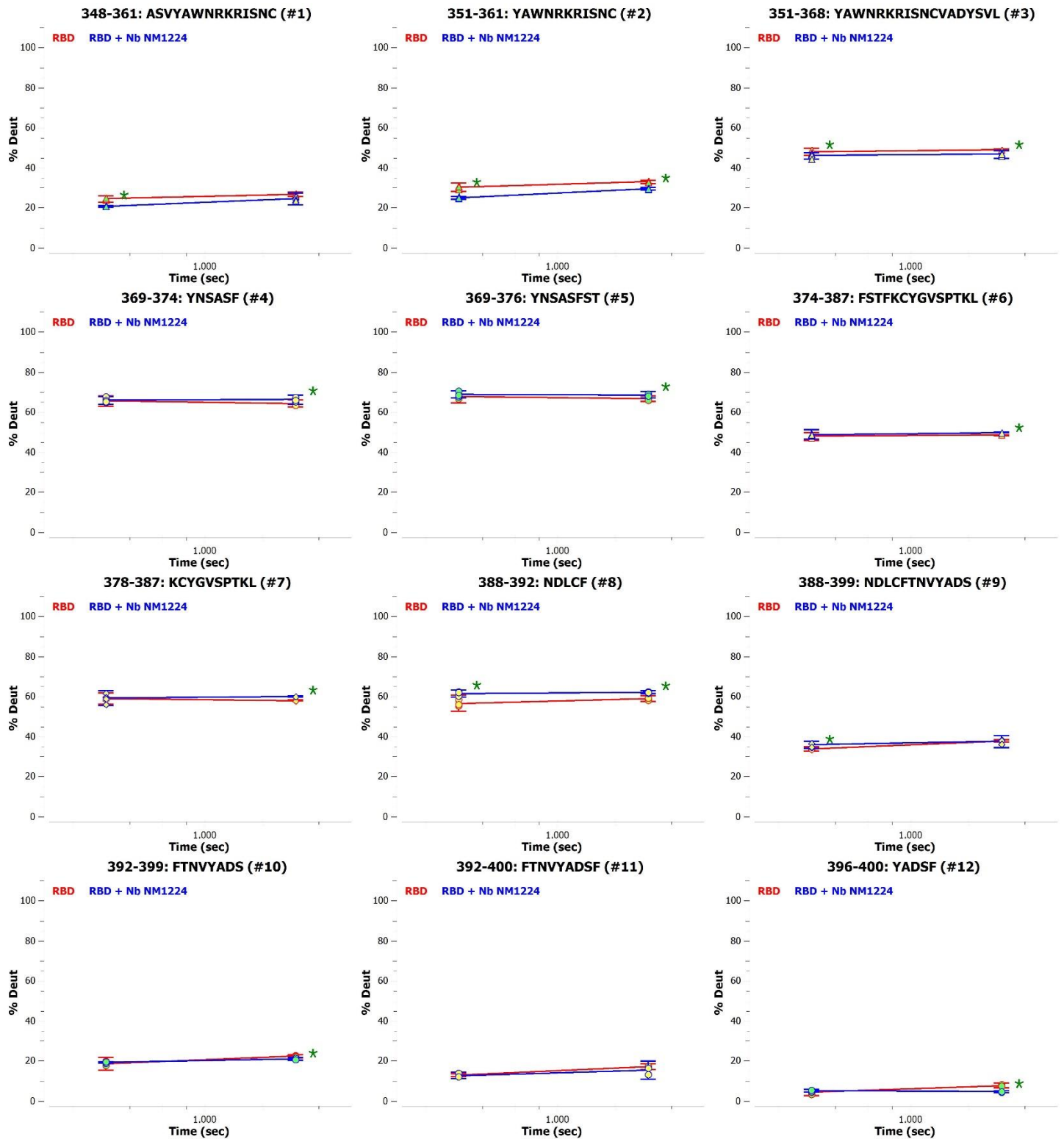
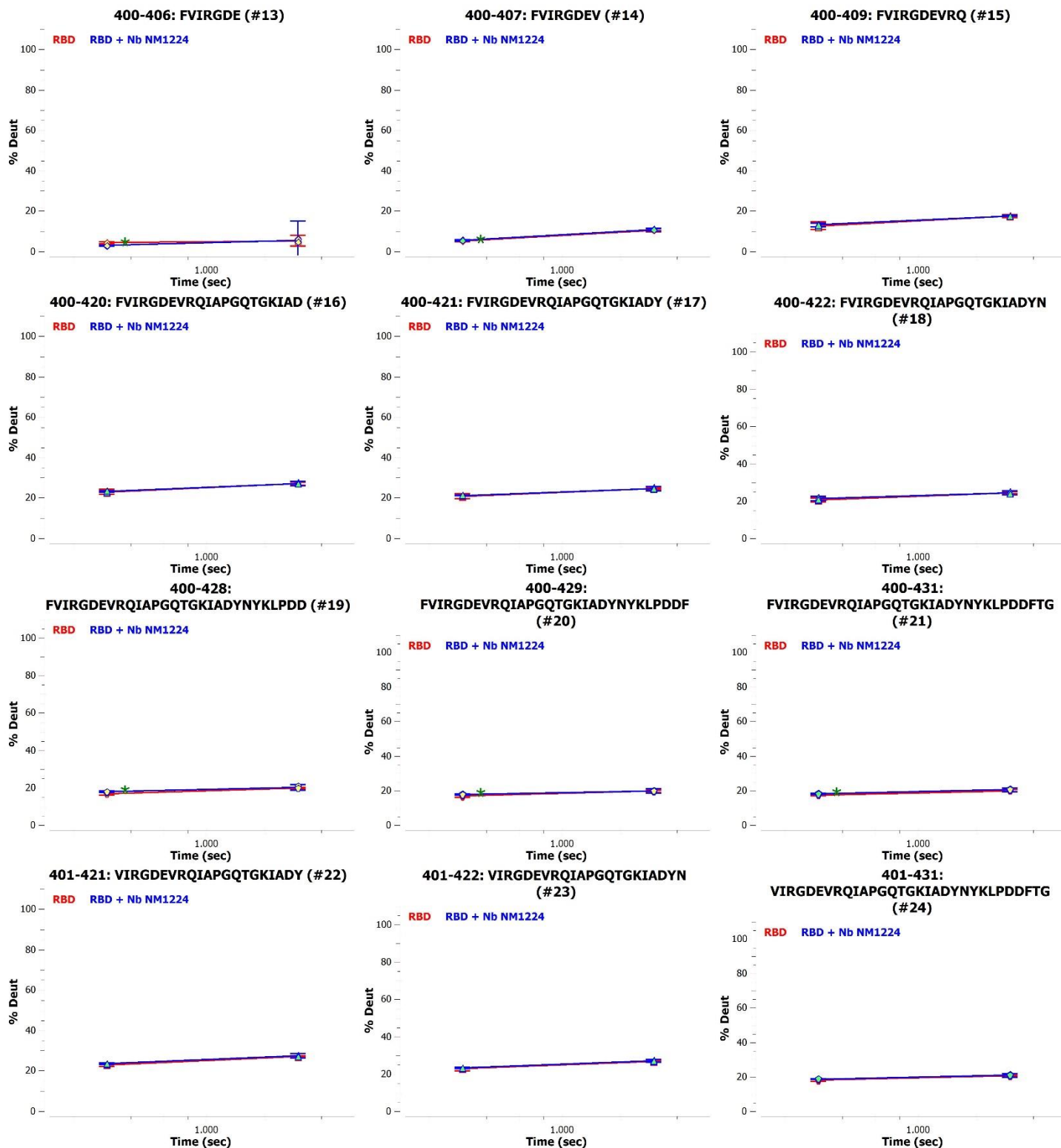
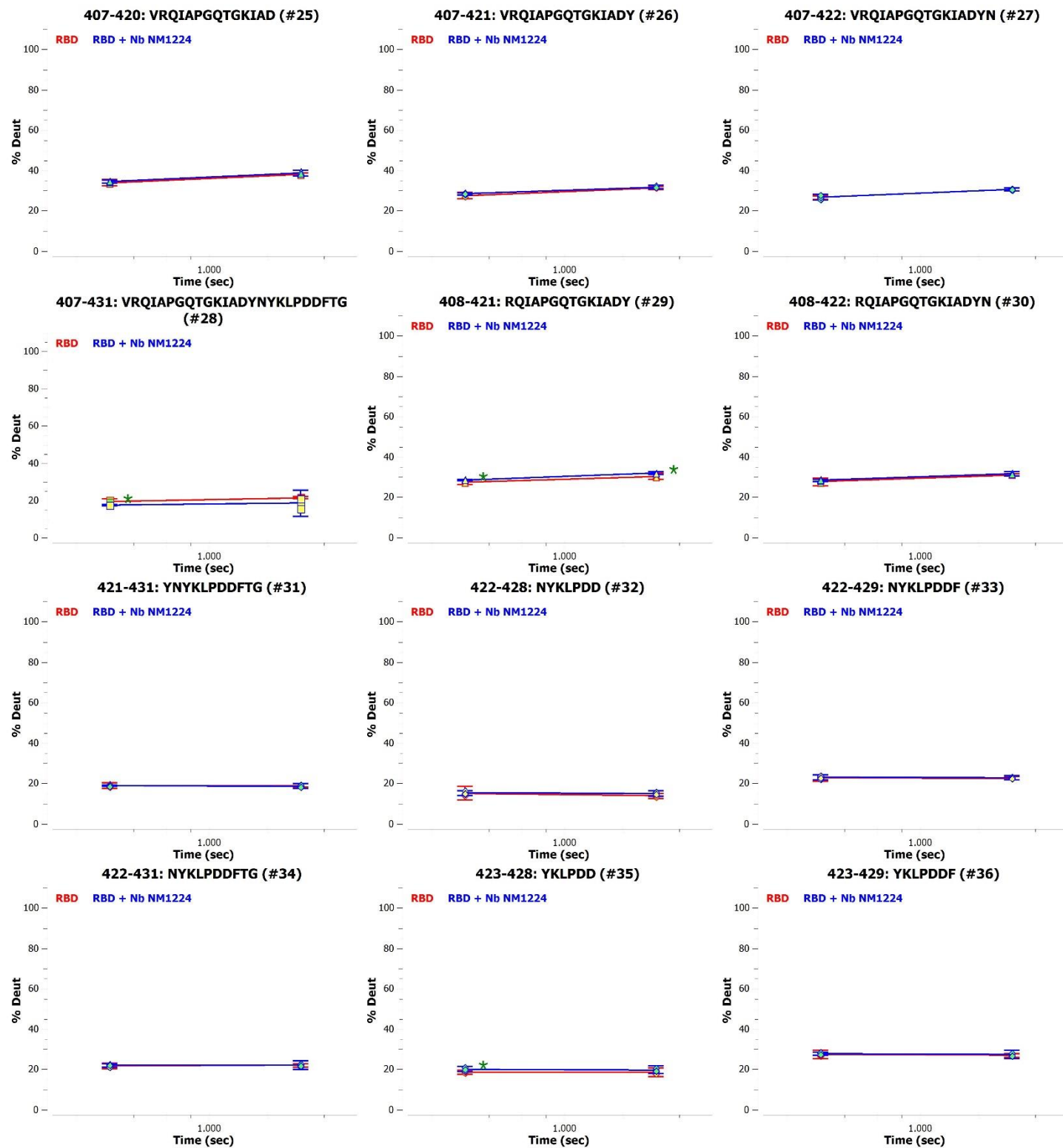


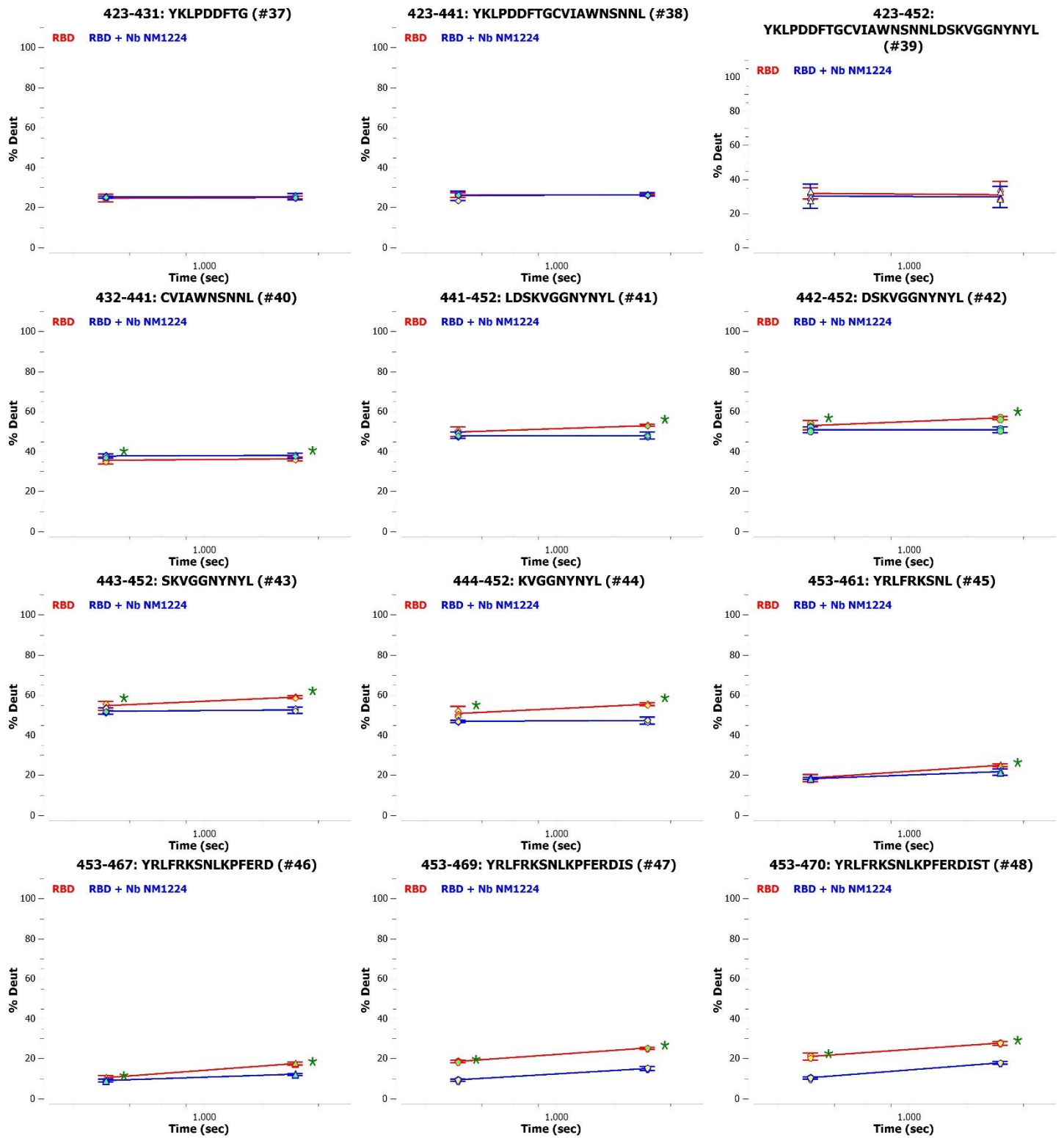
Figure A14. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1223. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N –terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student’s t-test ($p < 0.05$) are marked with an asterisk.

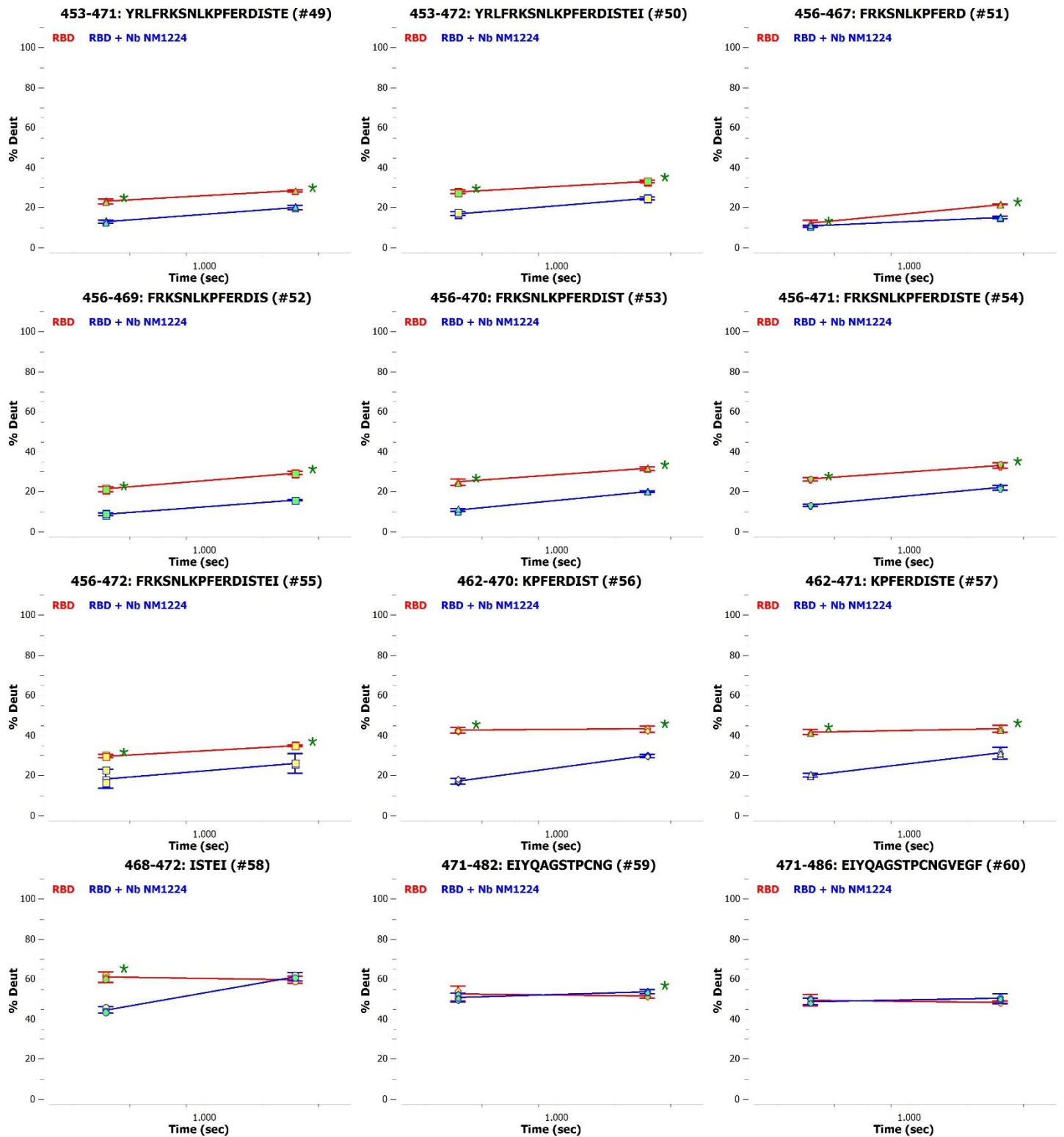
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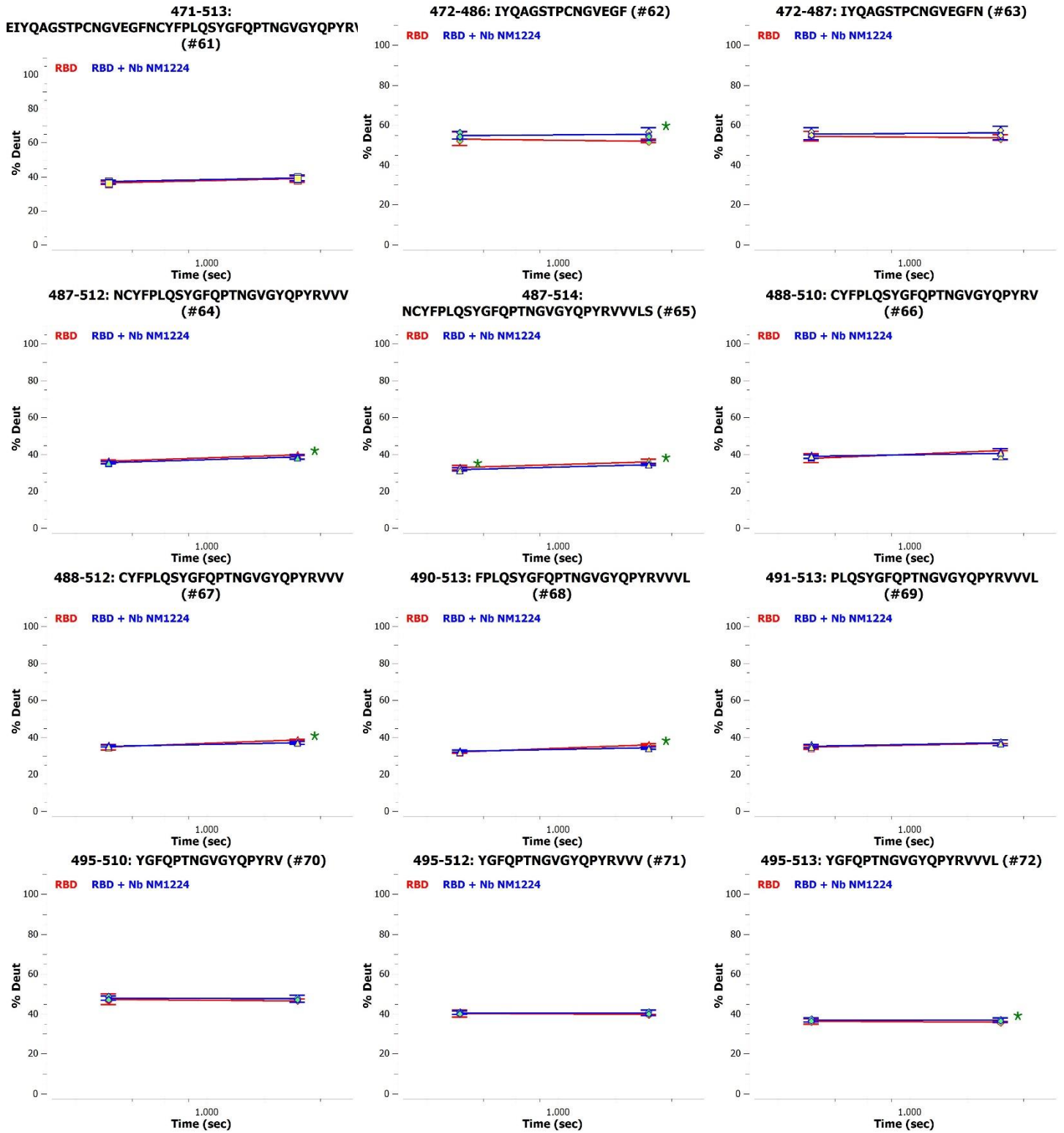












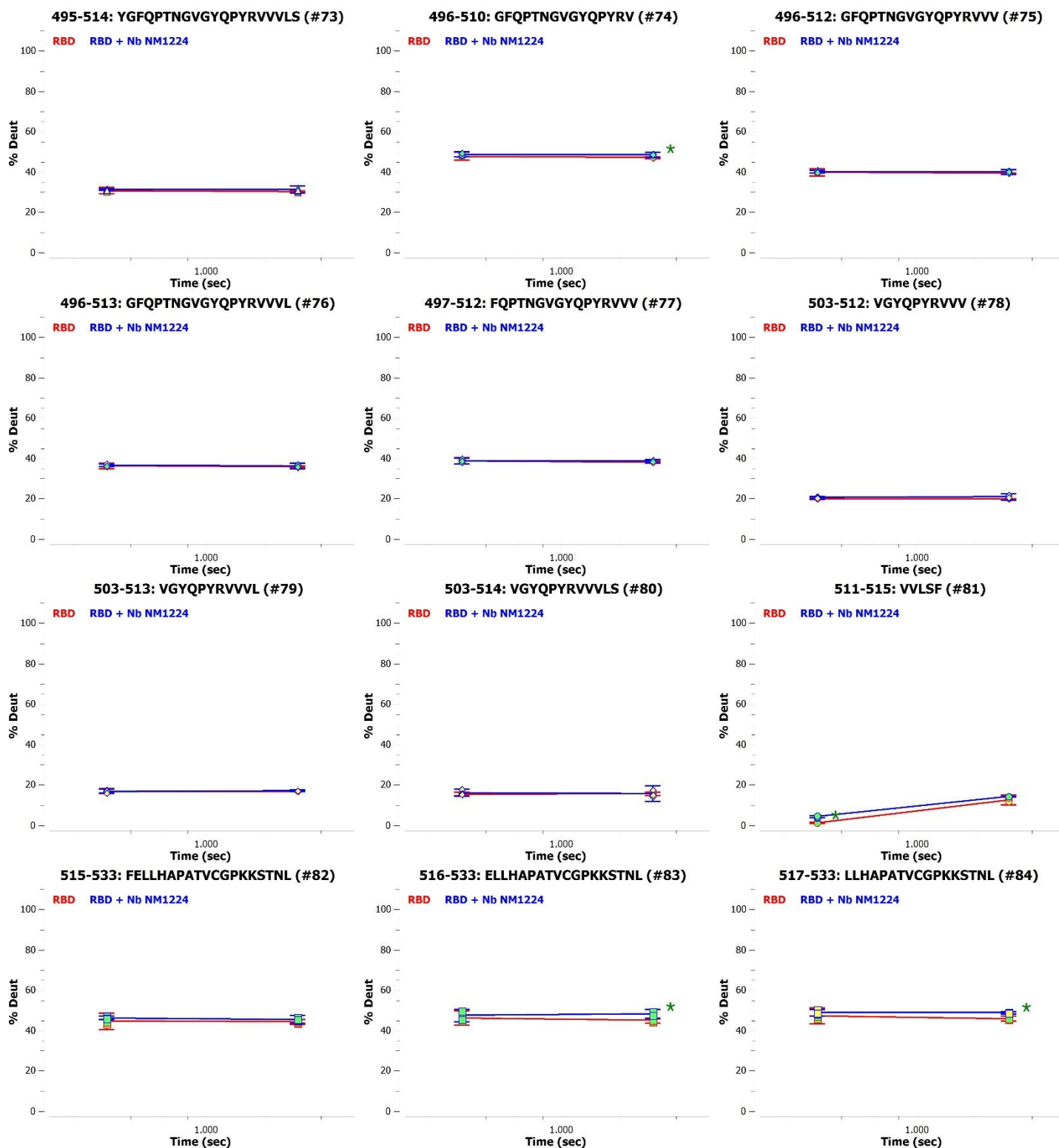
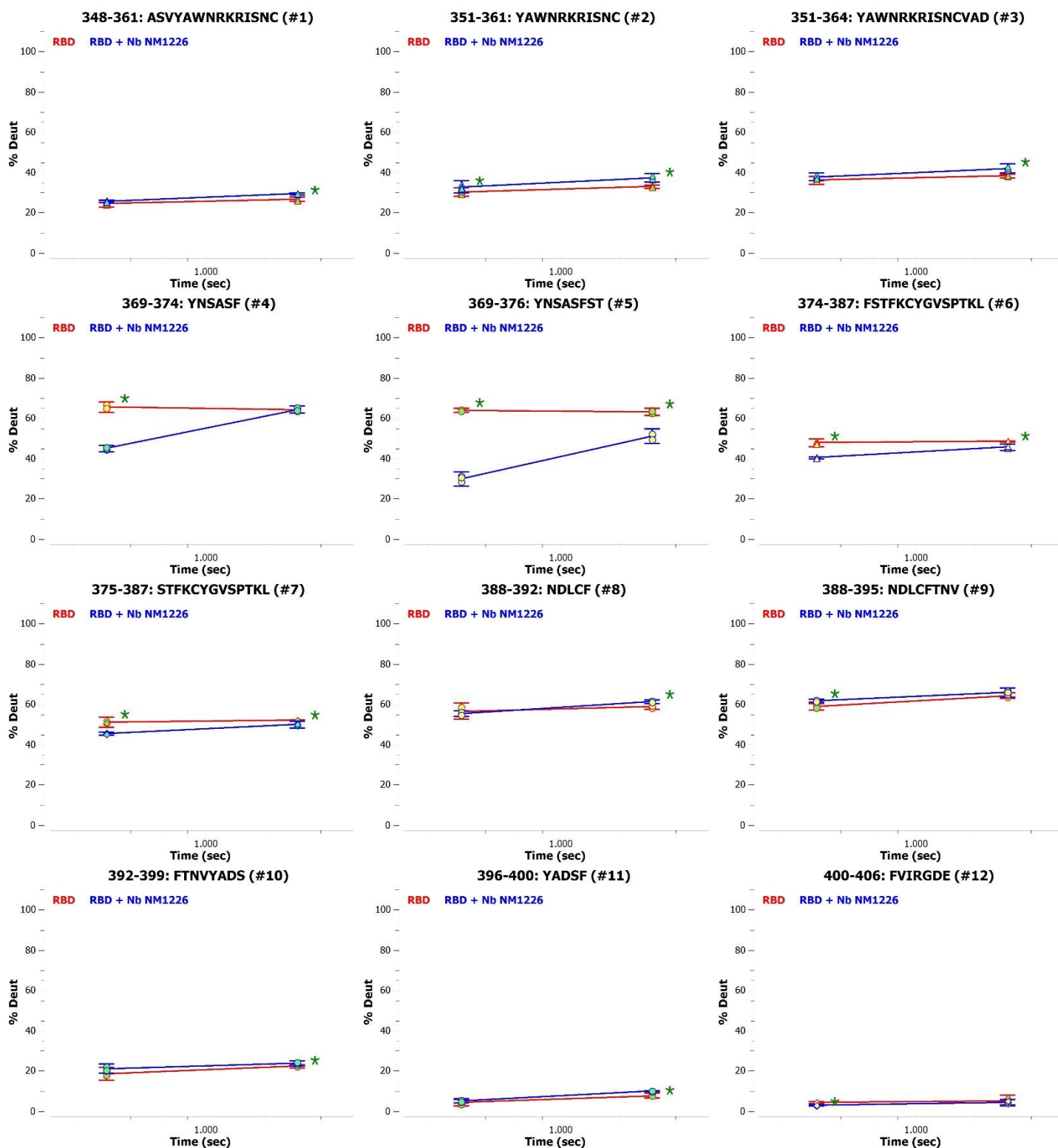
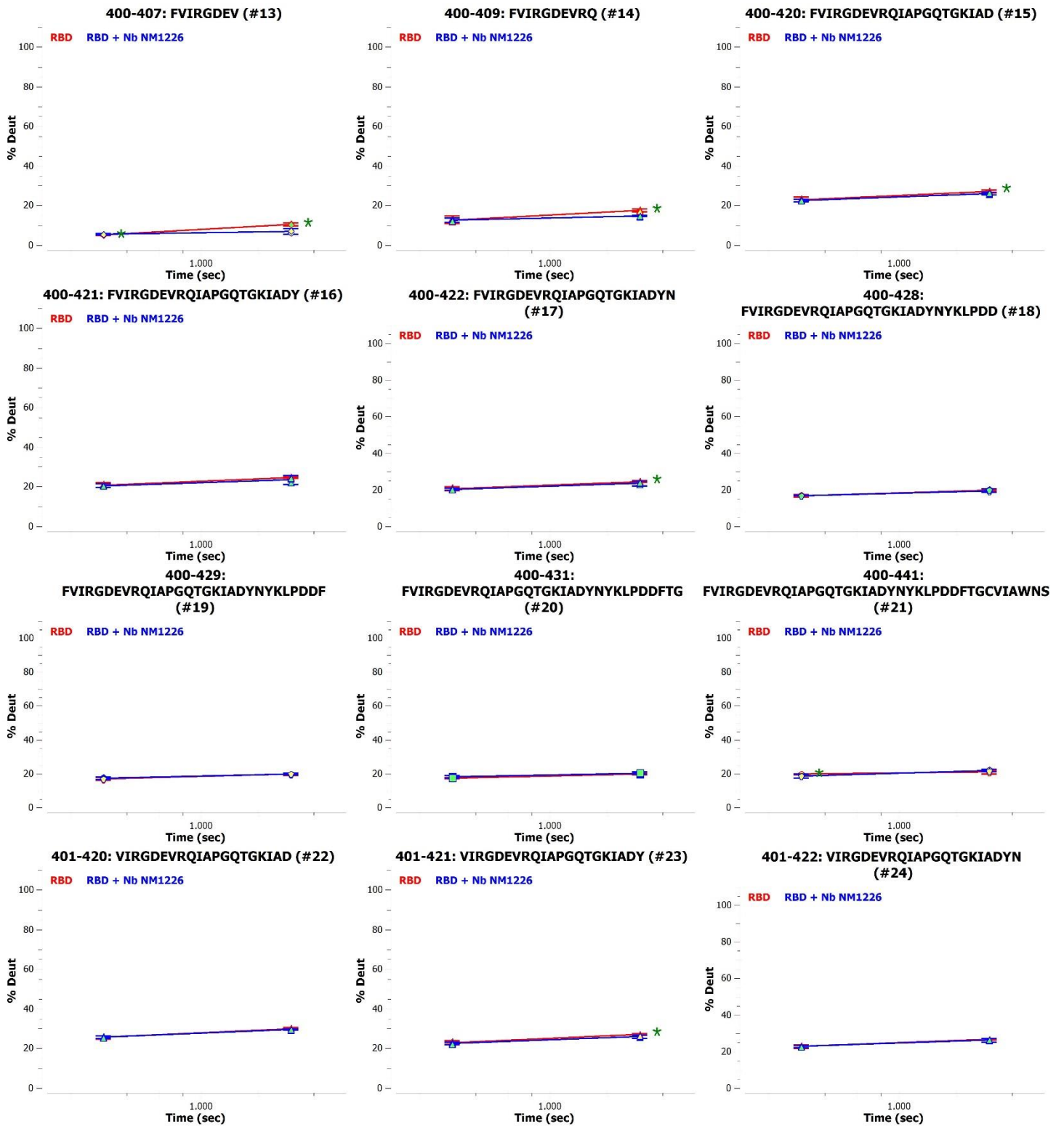
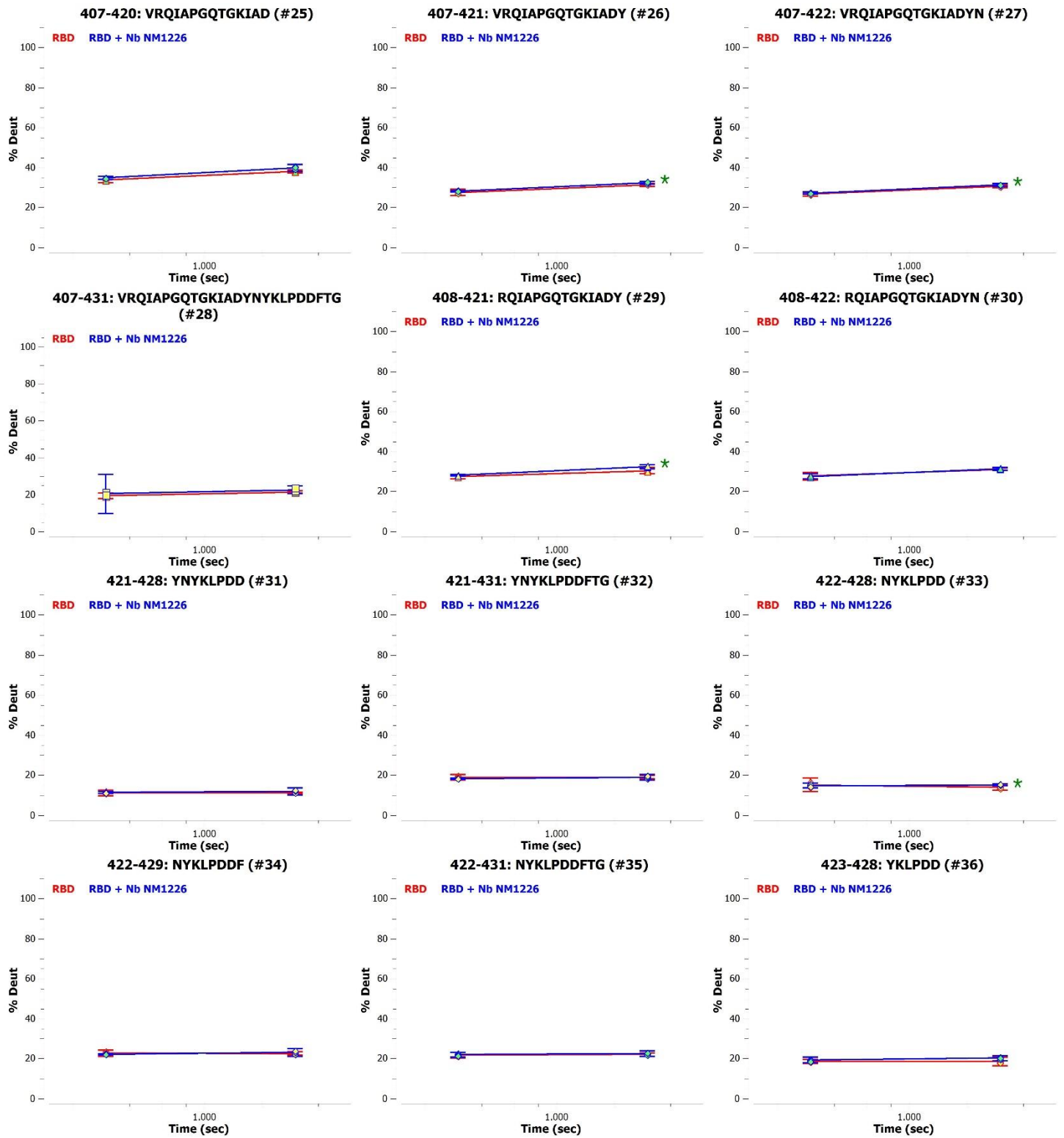


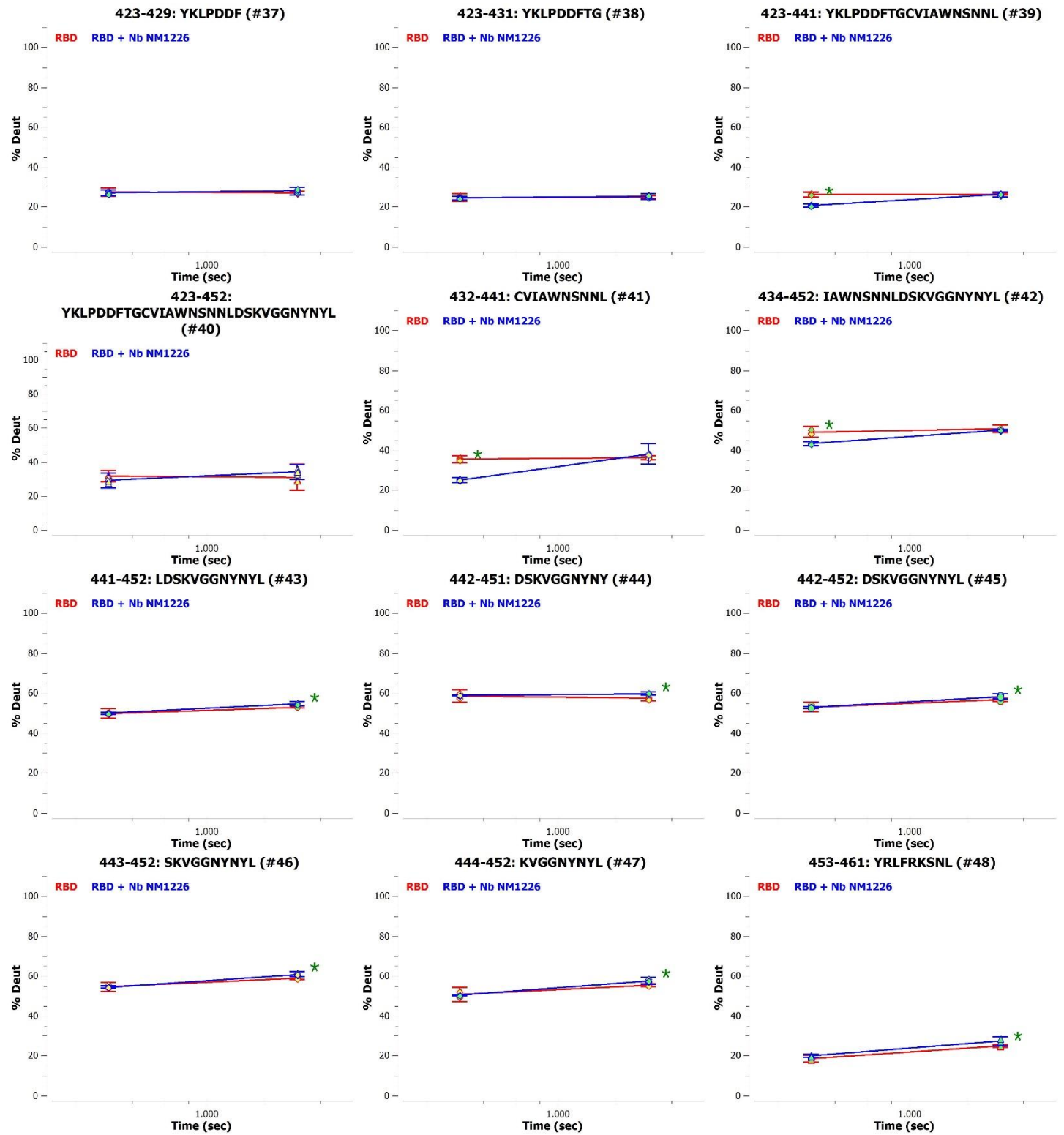
Figure A15. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1224. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p < 0.05$) are marked with an asterisk.

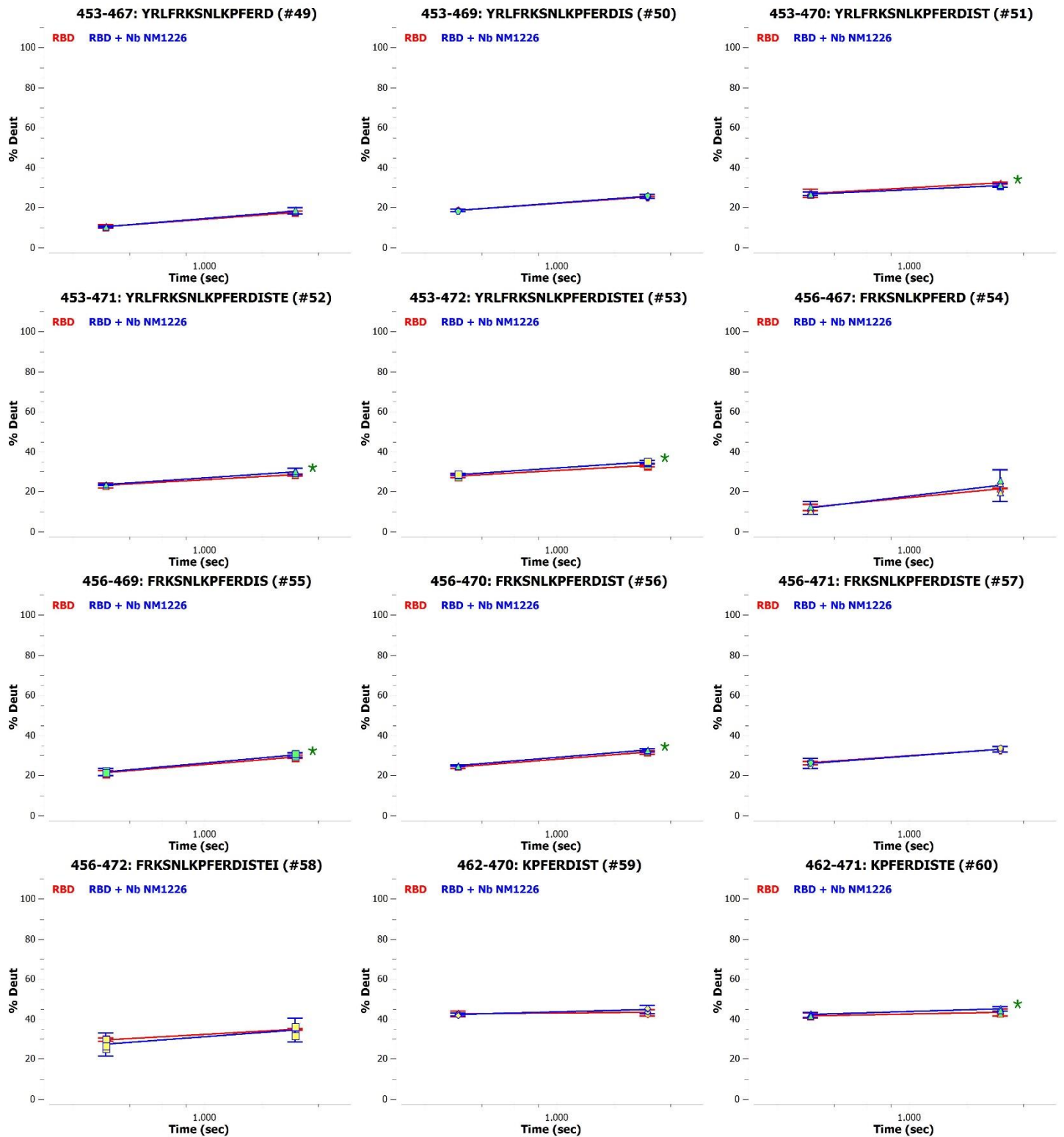
Appendix Figure A16

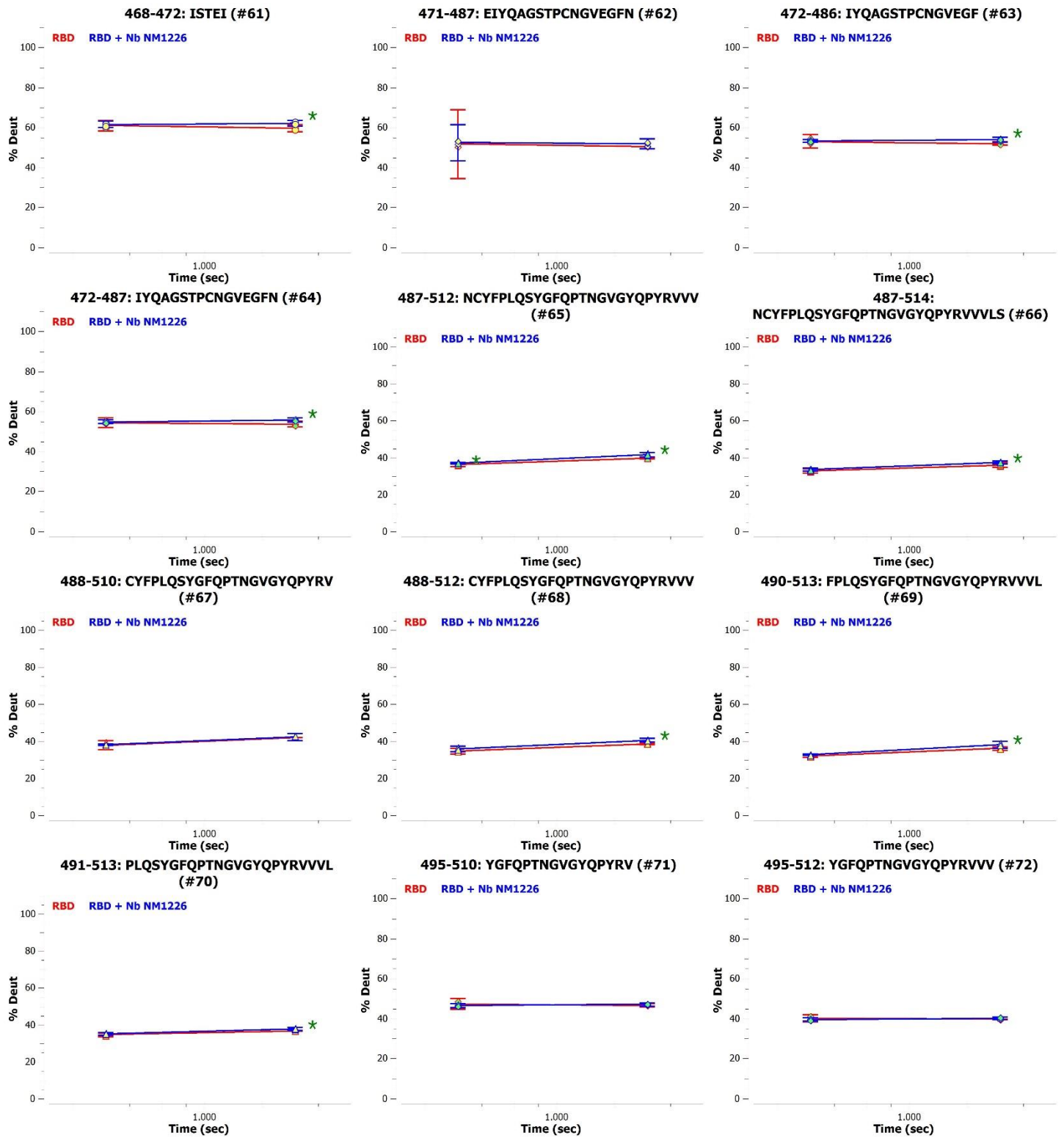


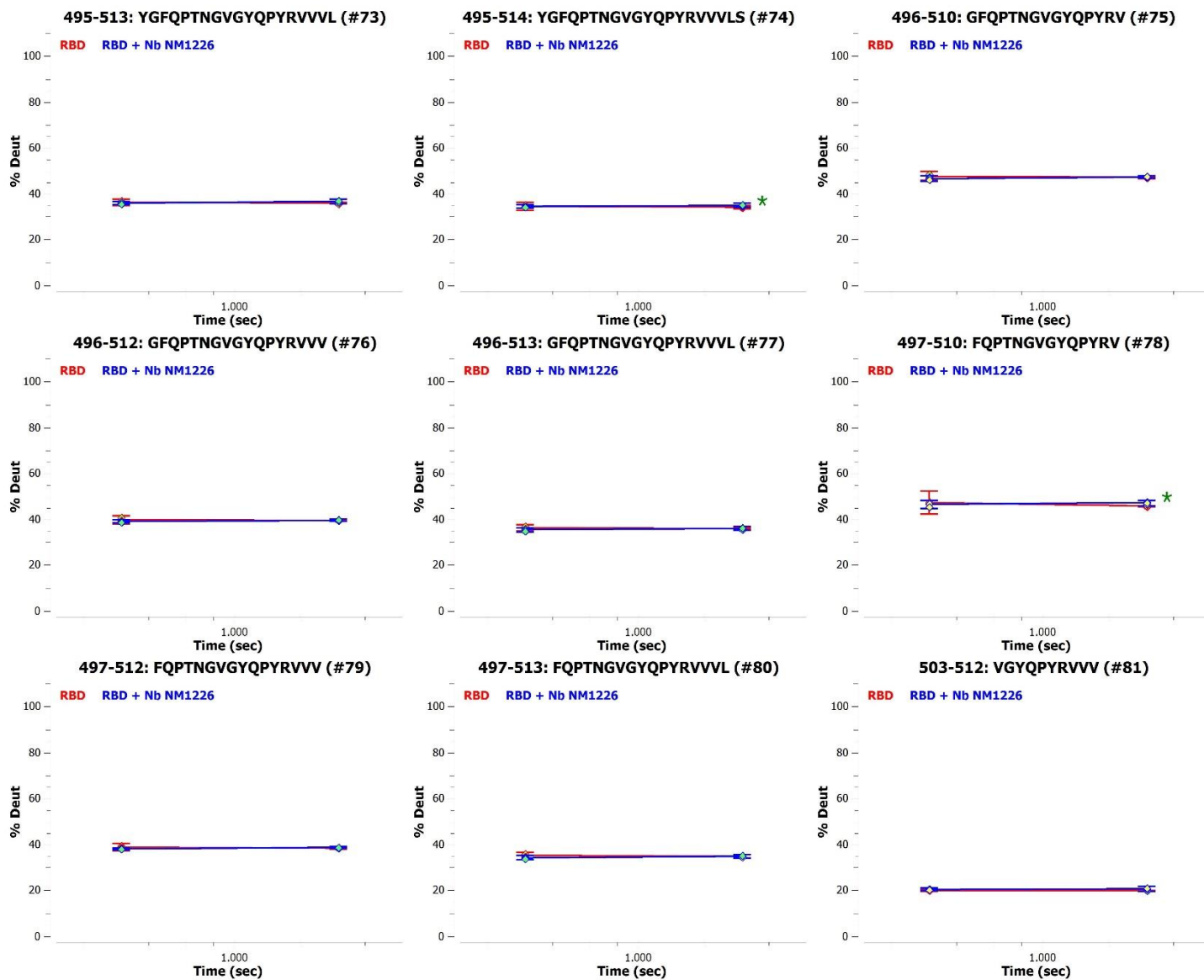












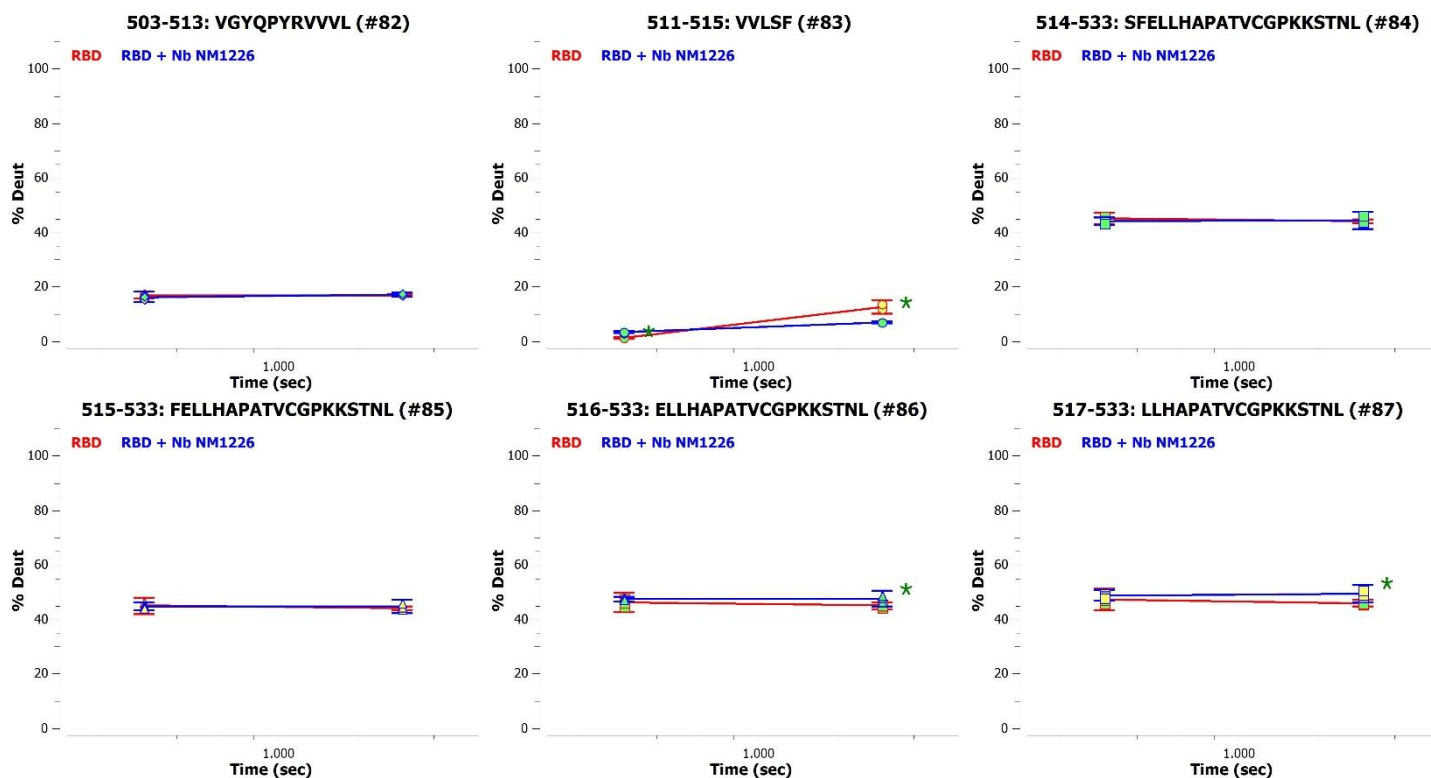
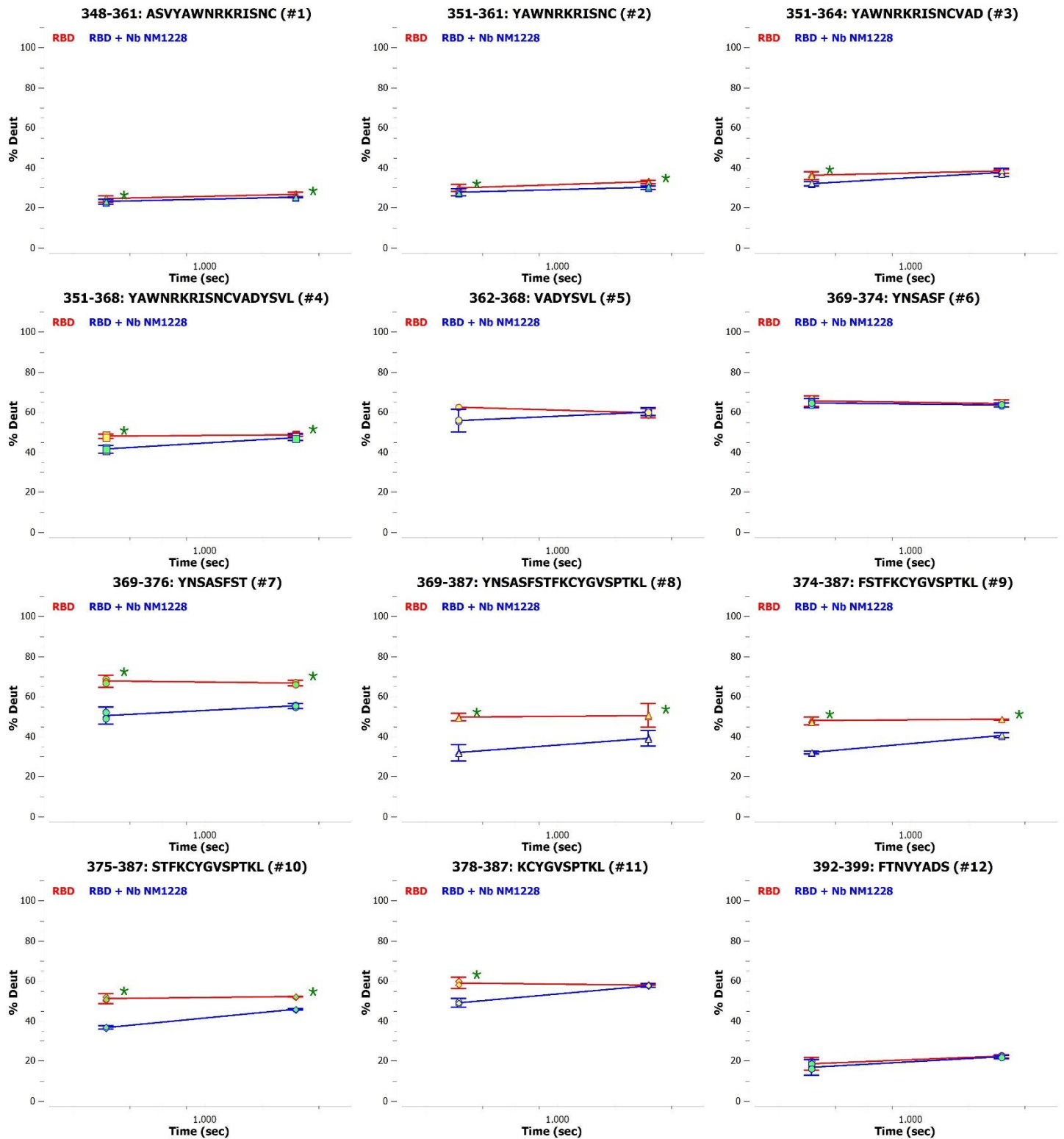
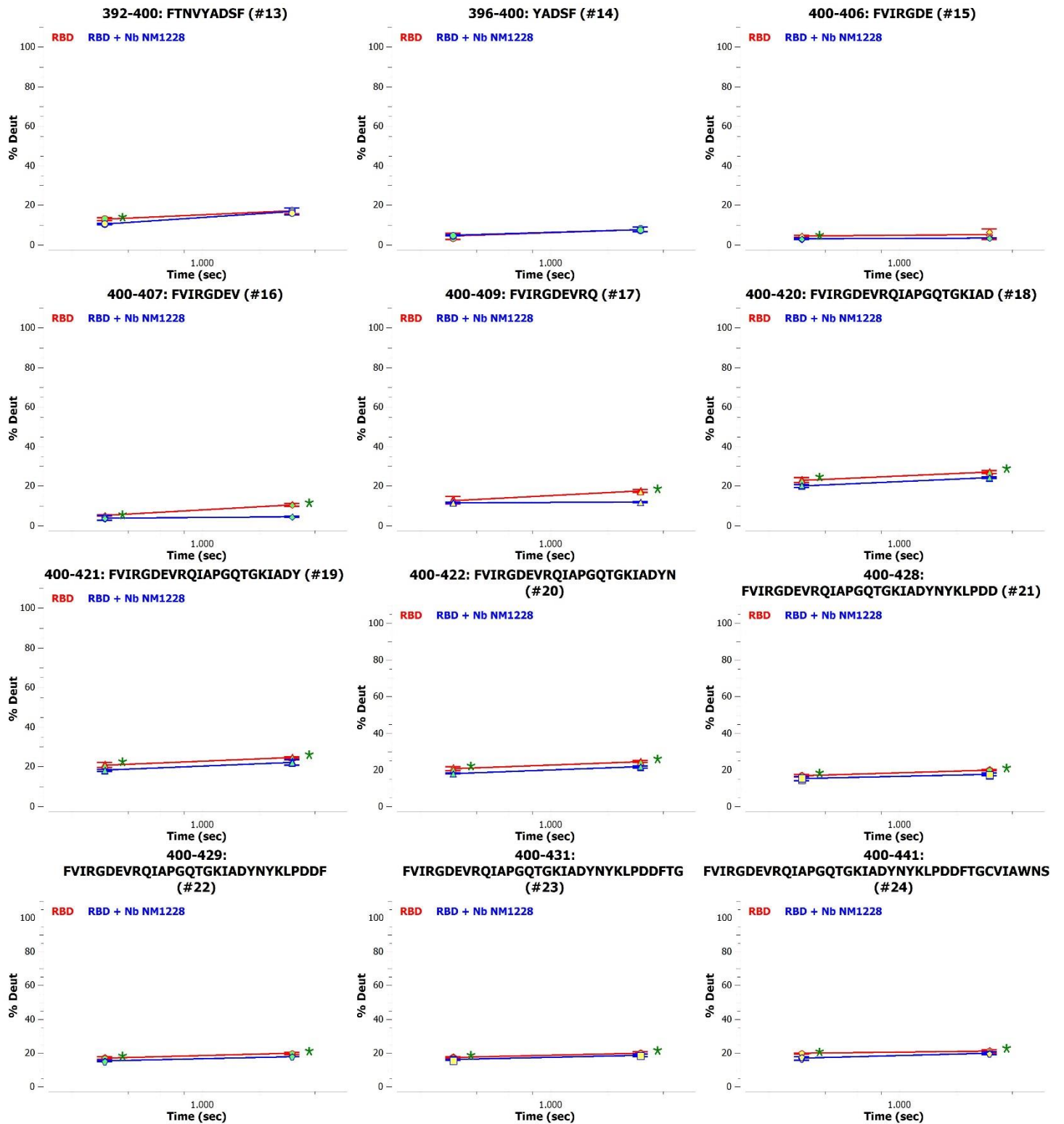
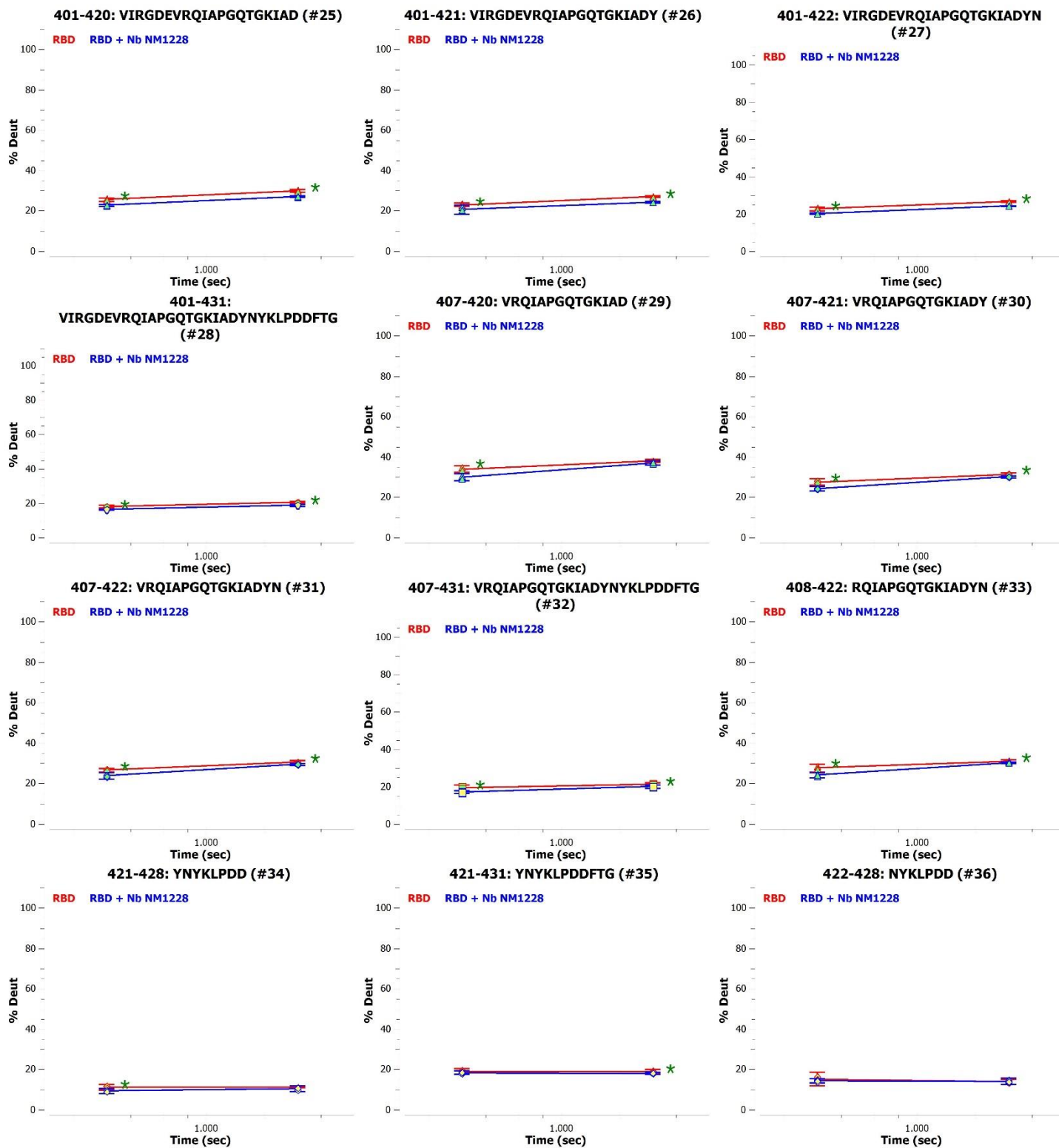


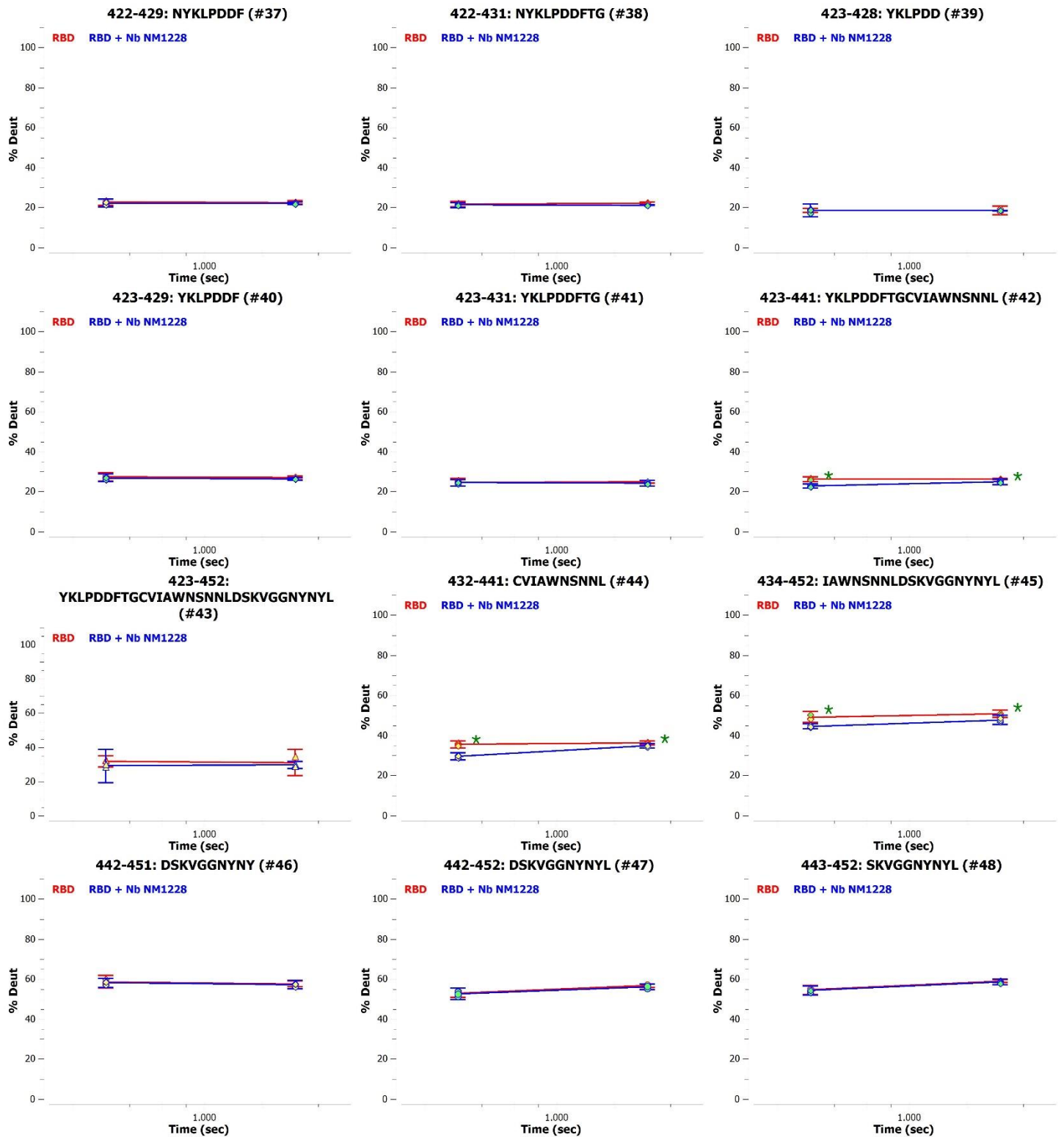
Figure A16. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1226. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

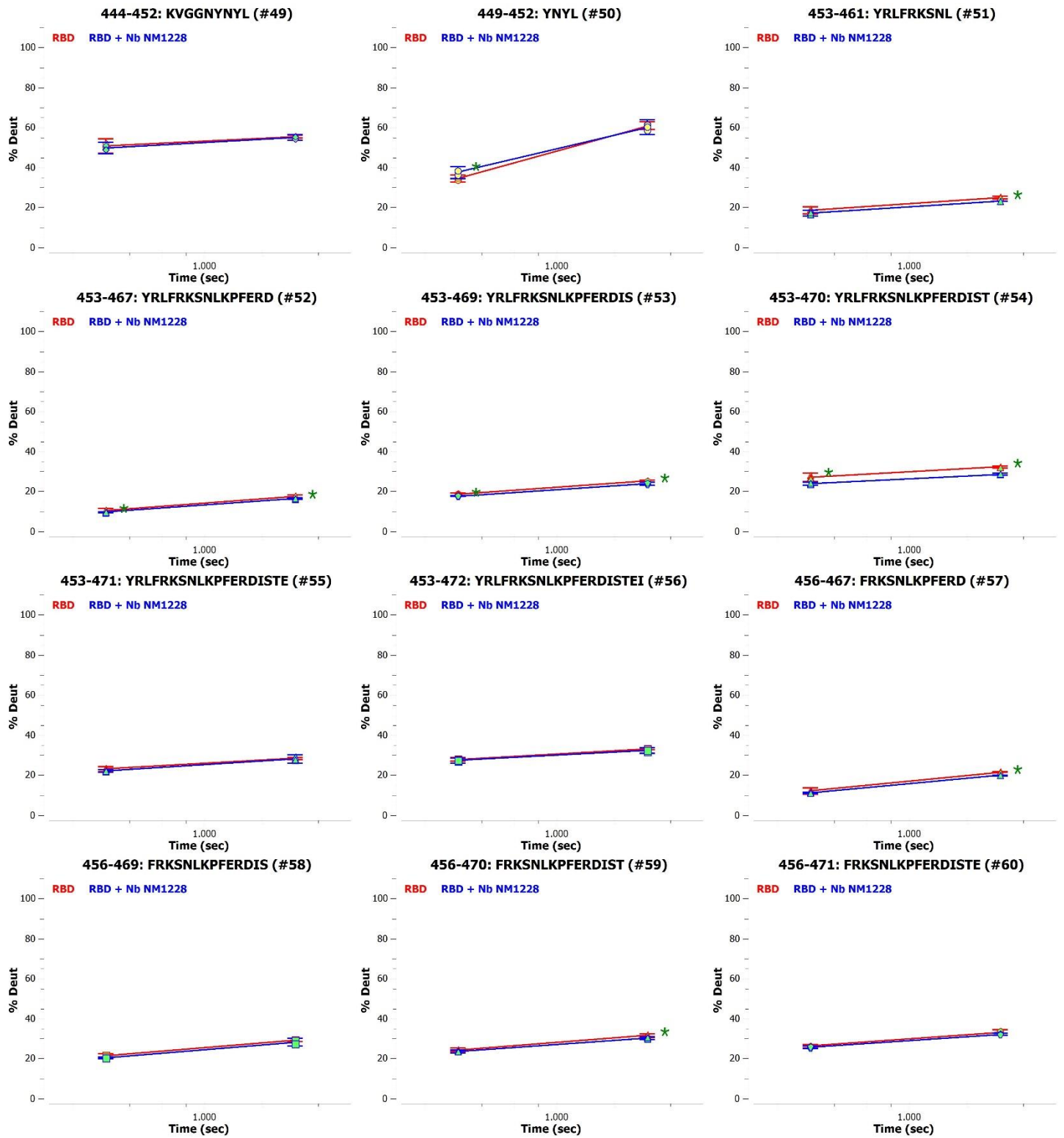
Appendix Figure A17

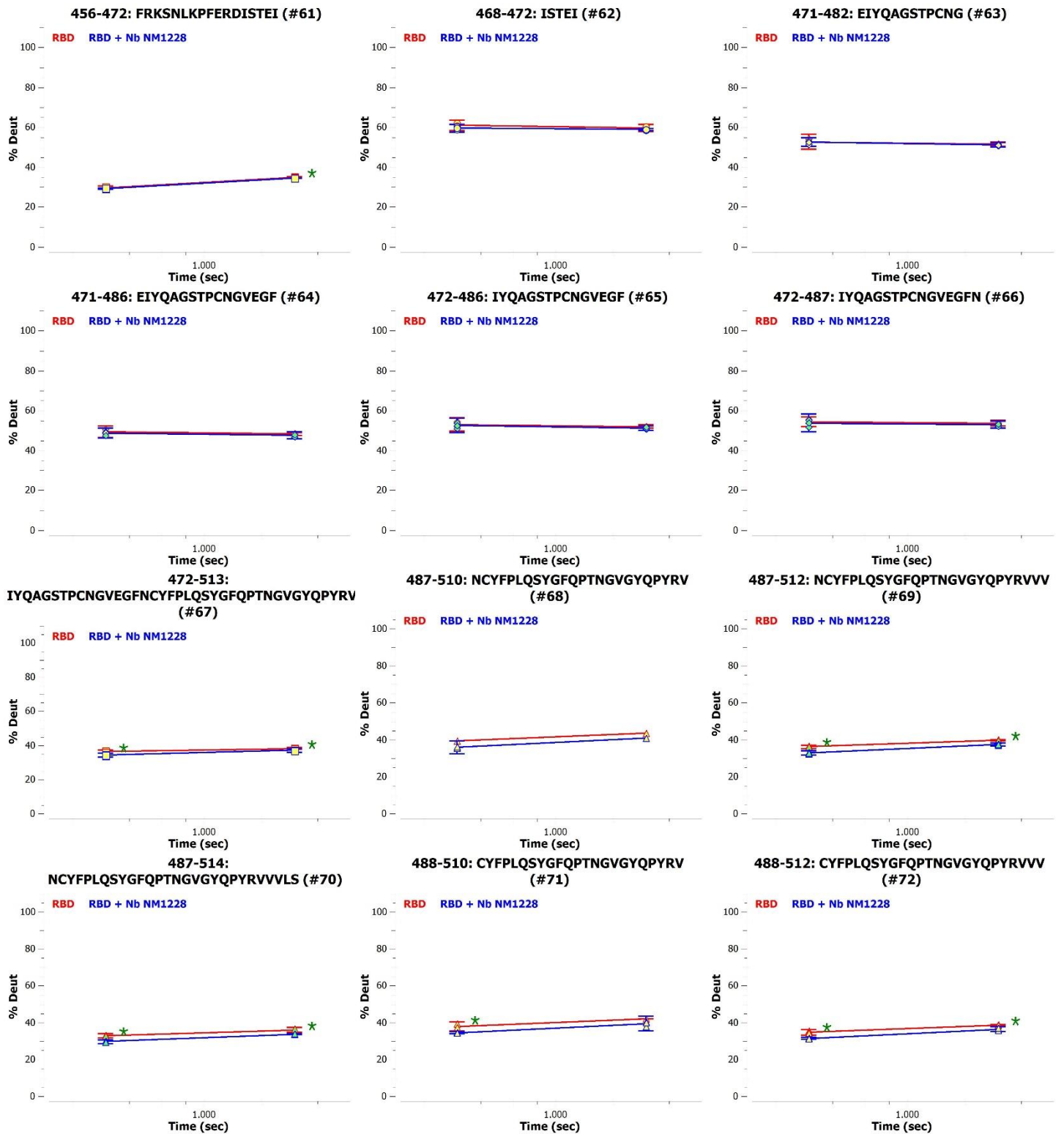


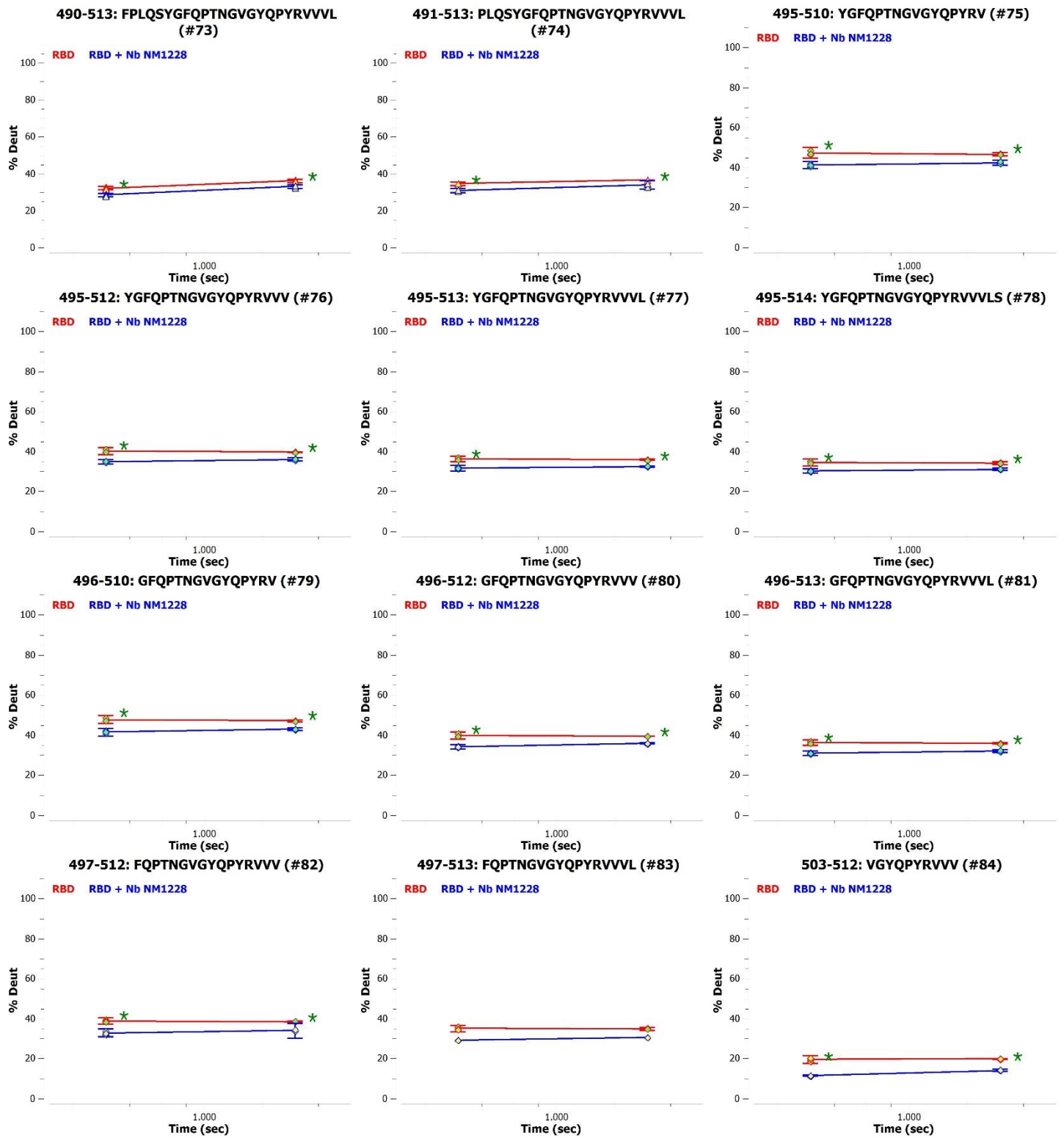












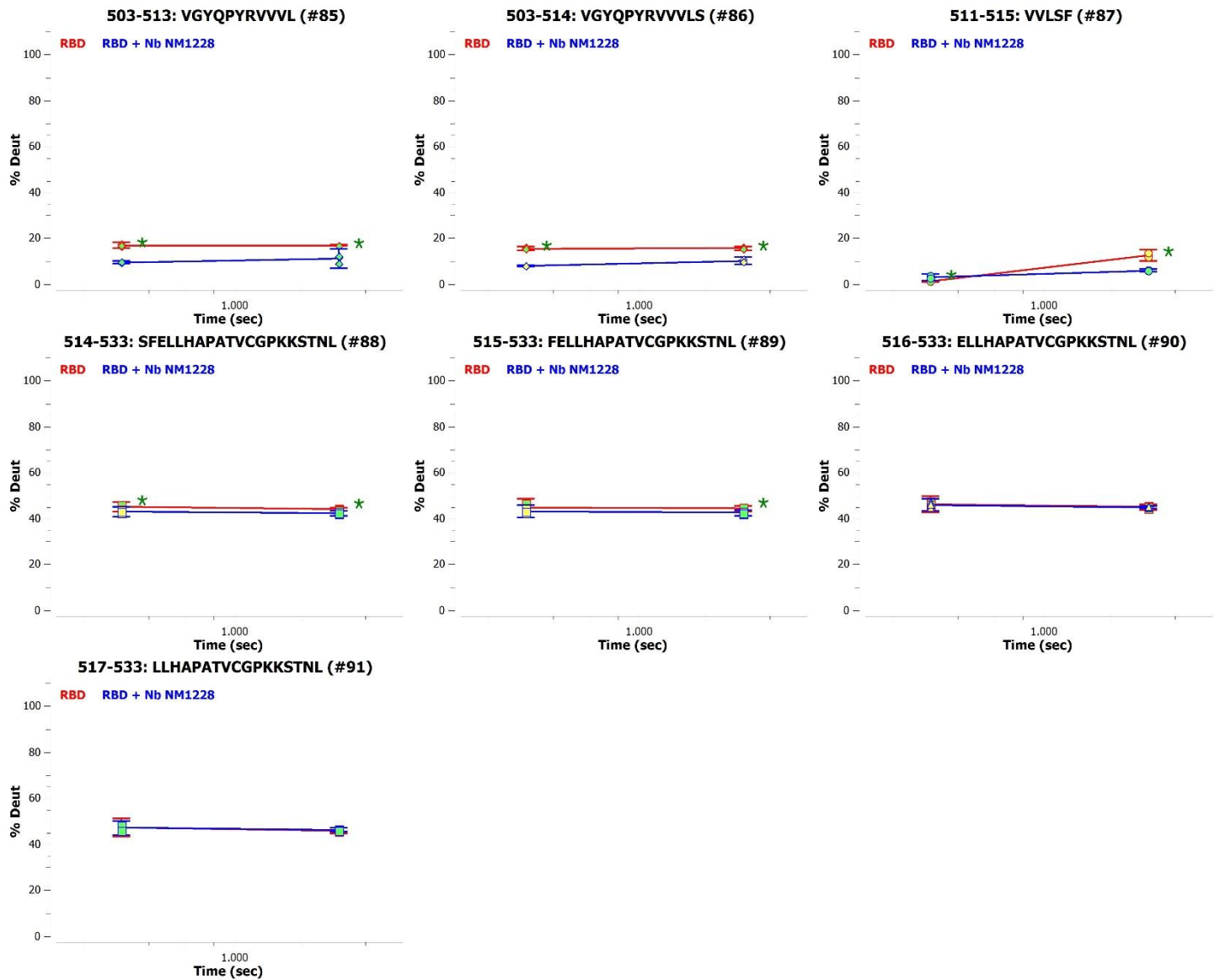
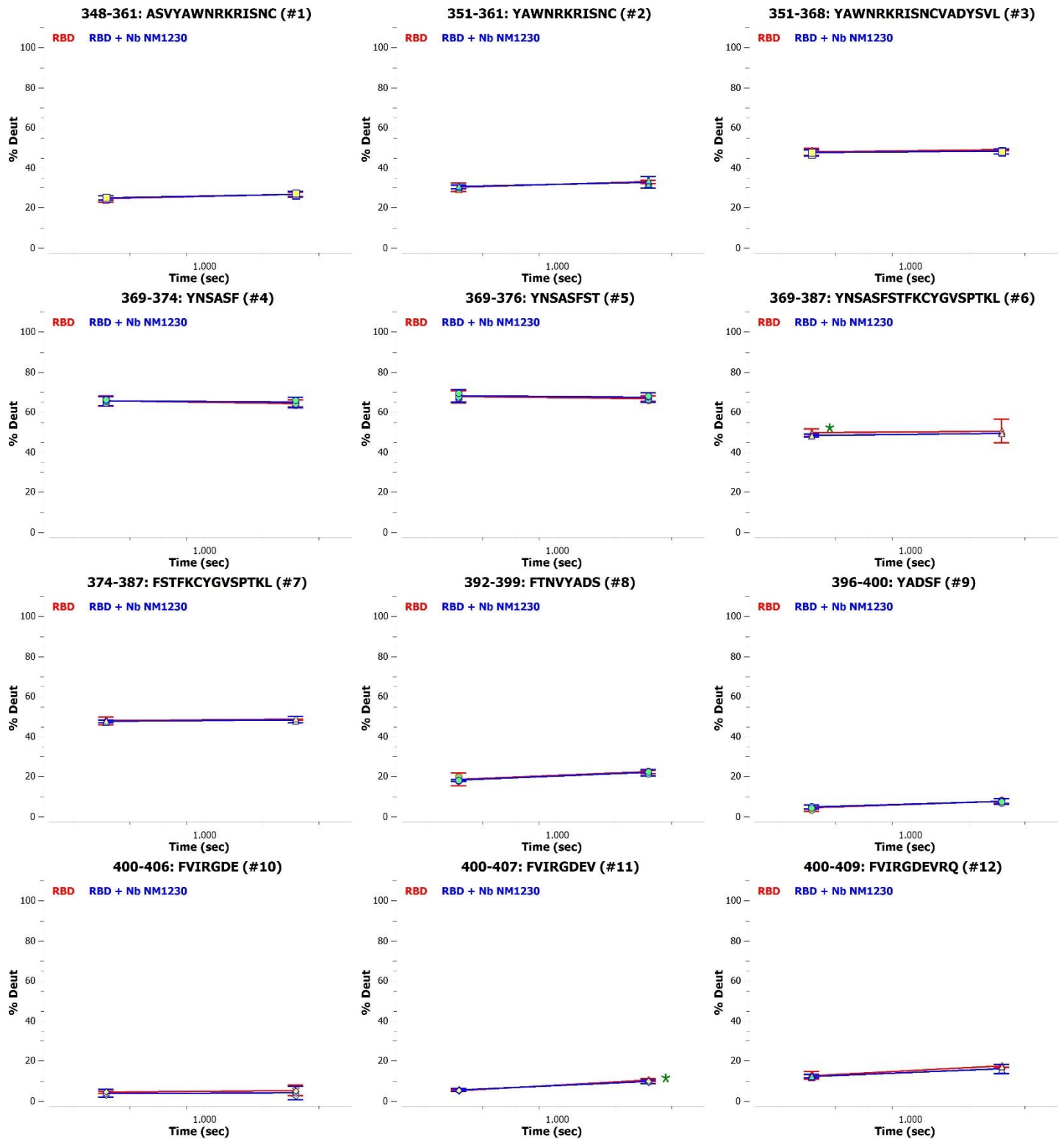
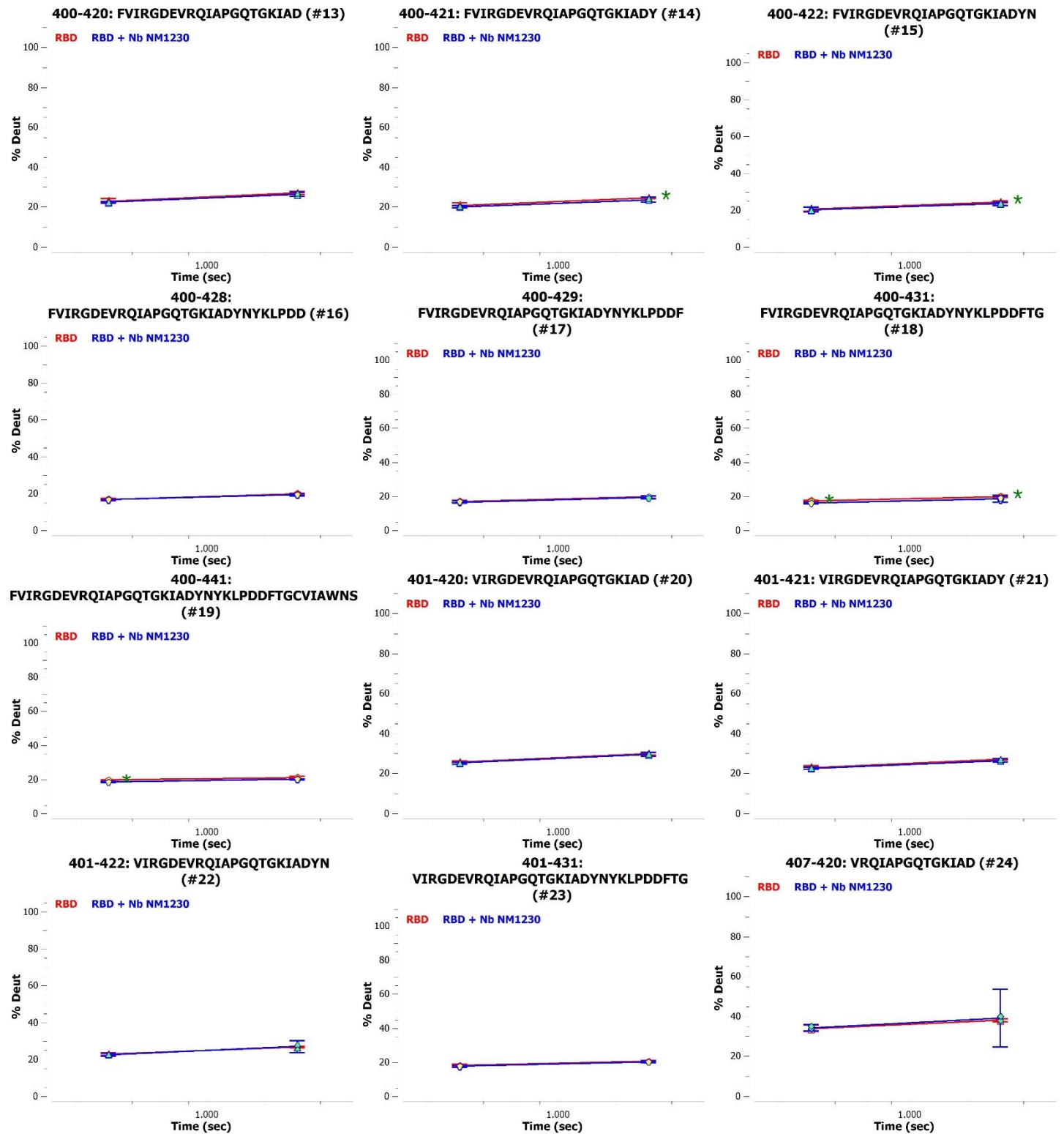
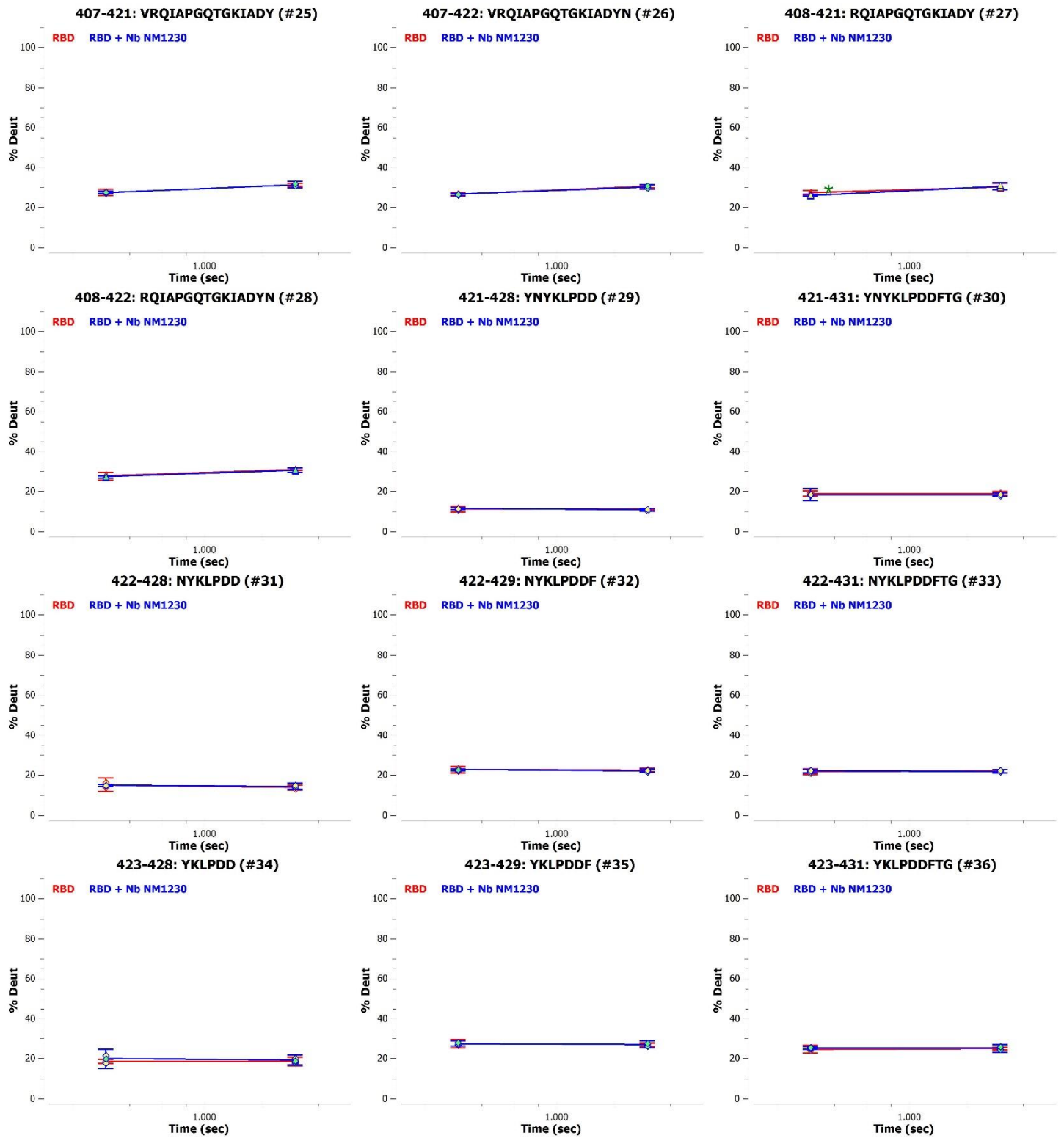


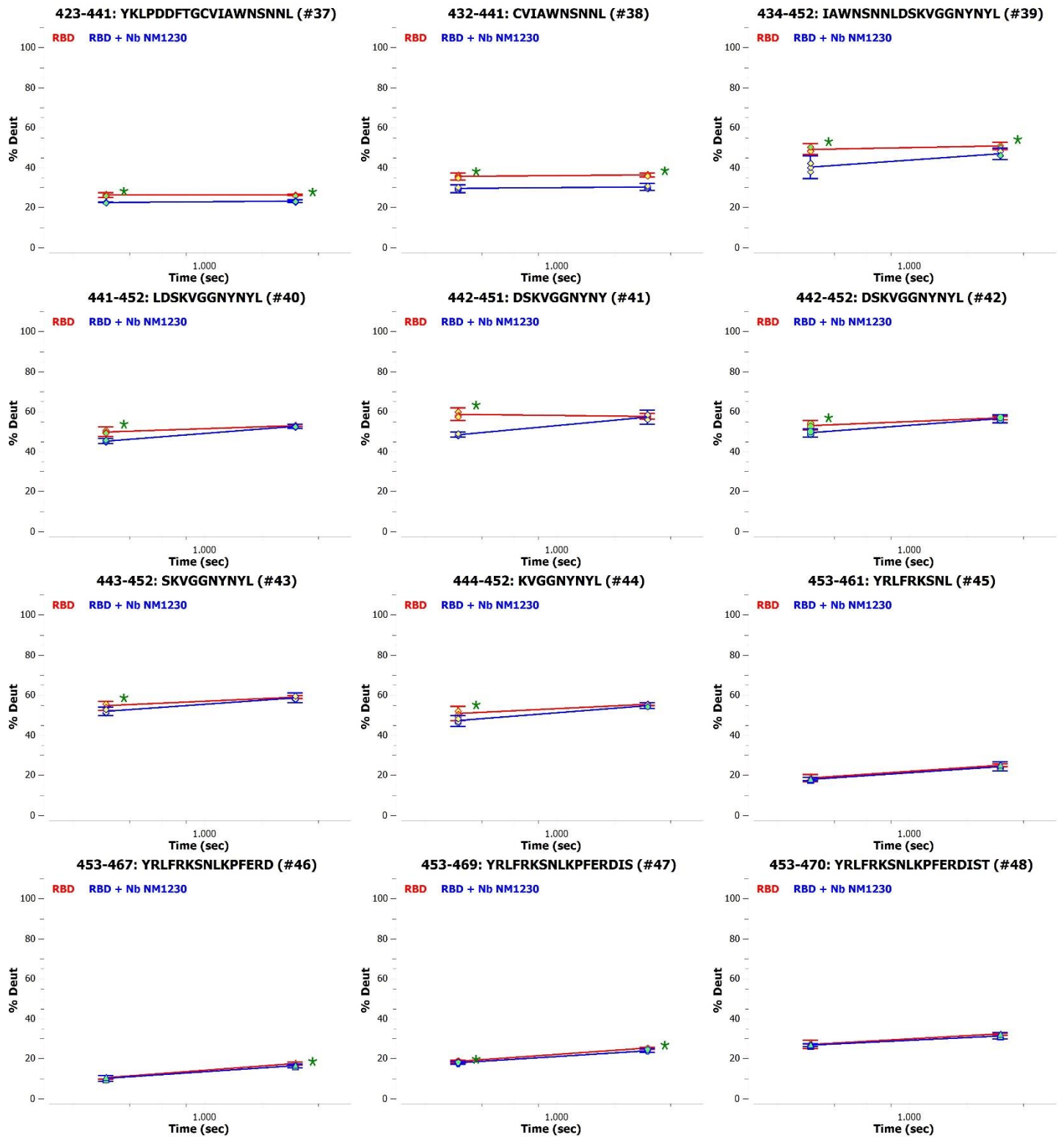
Figure A17. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1228. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N –terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

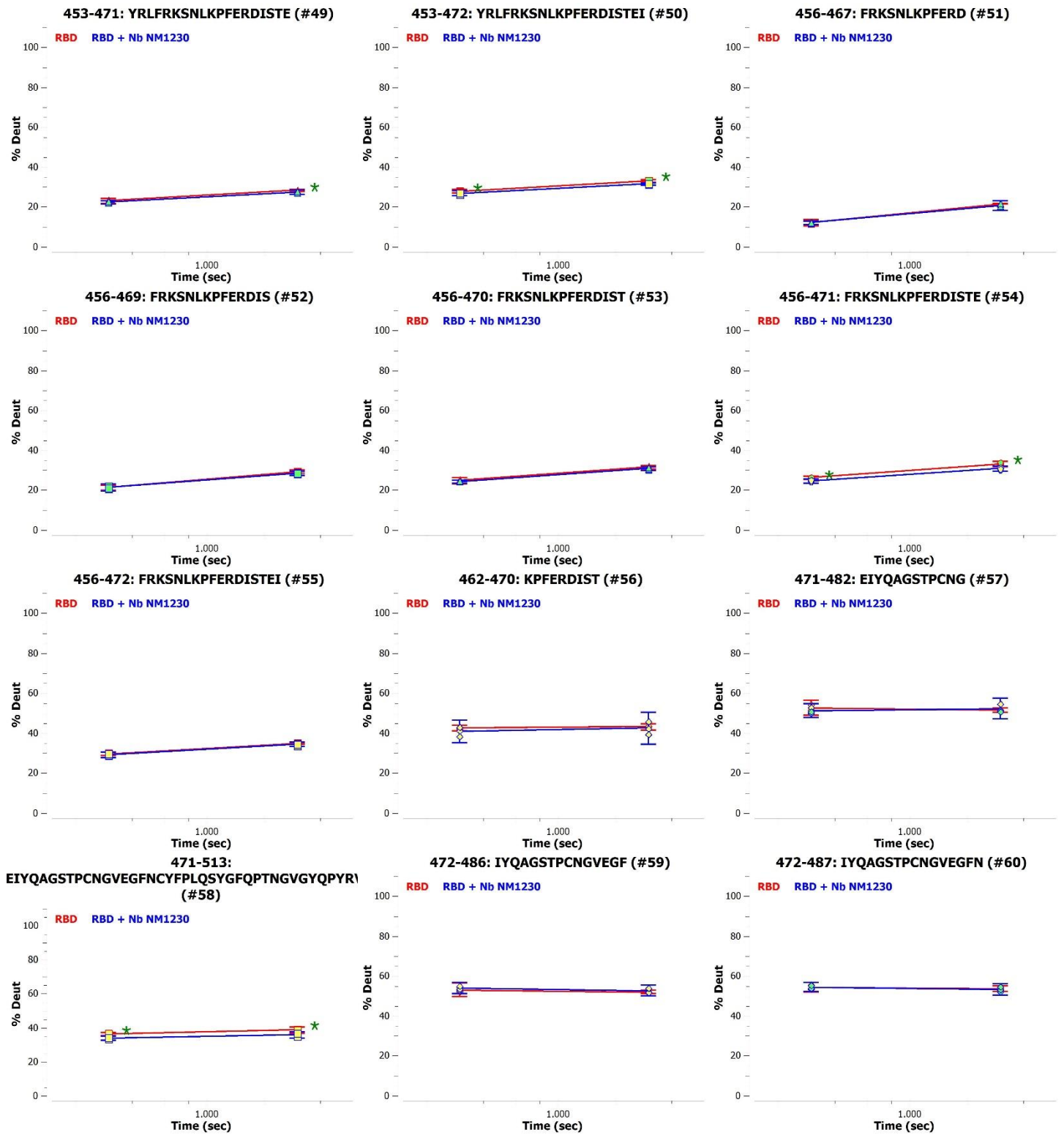
Appendix Figure A18

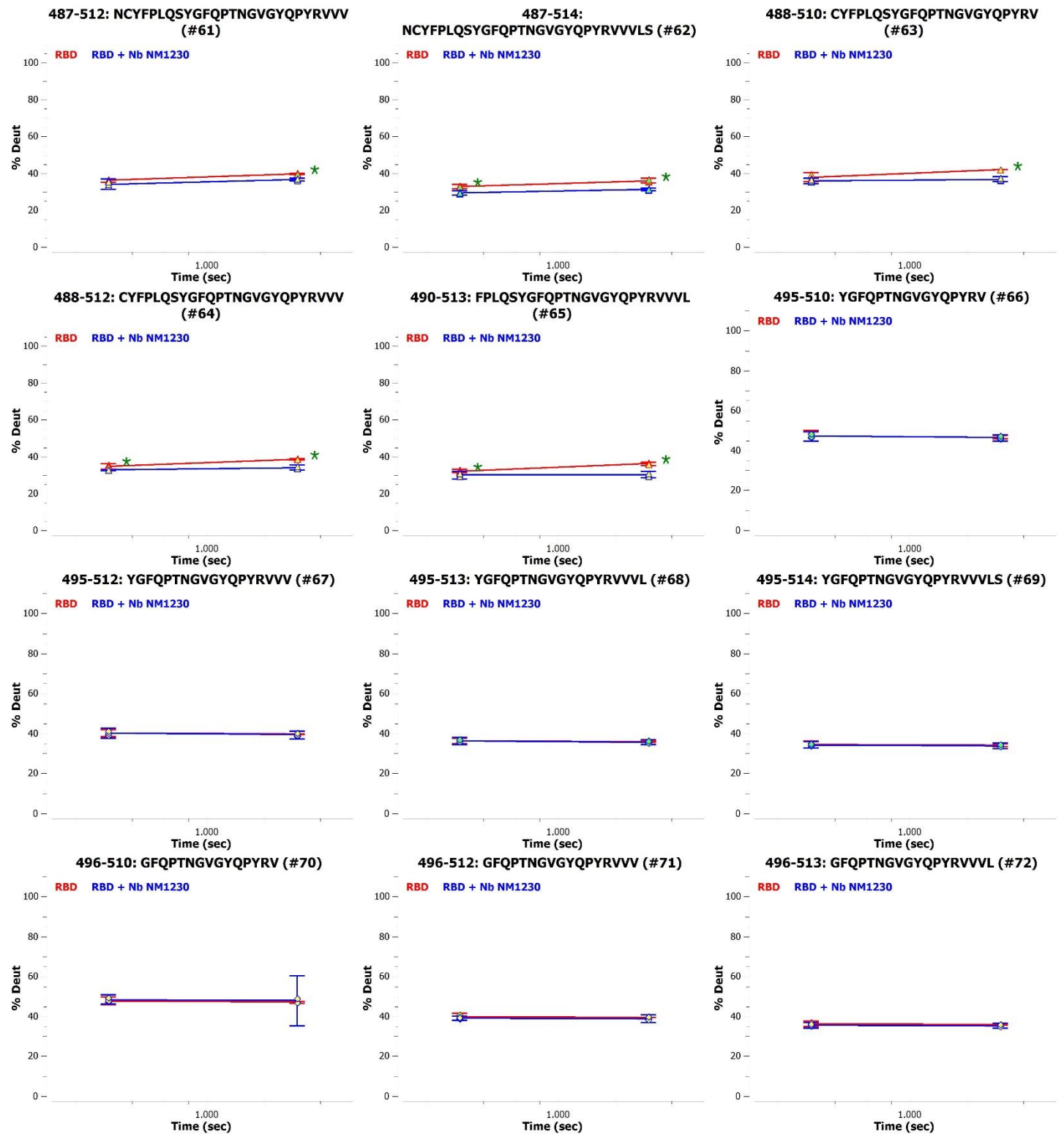












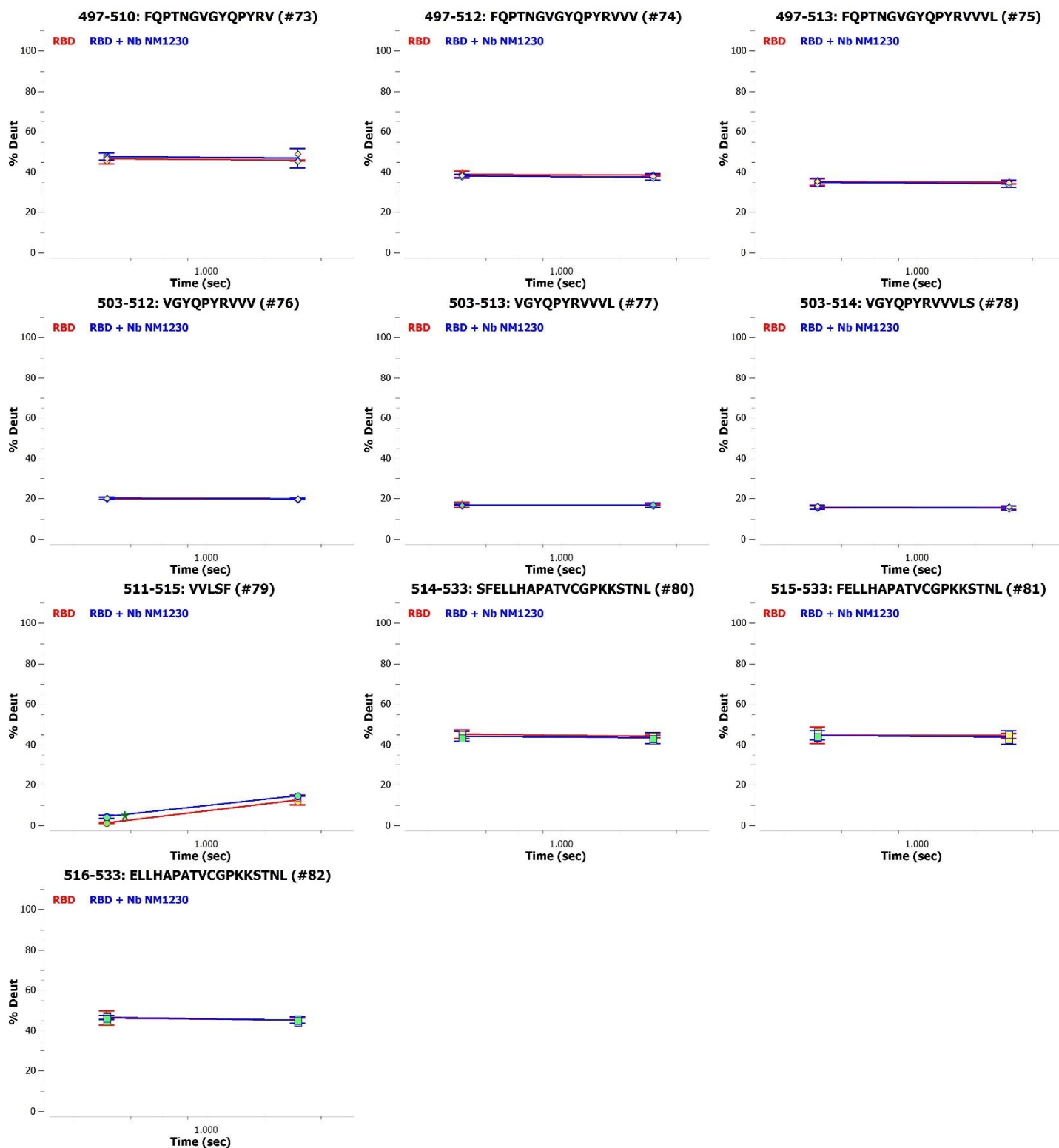
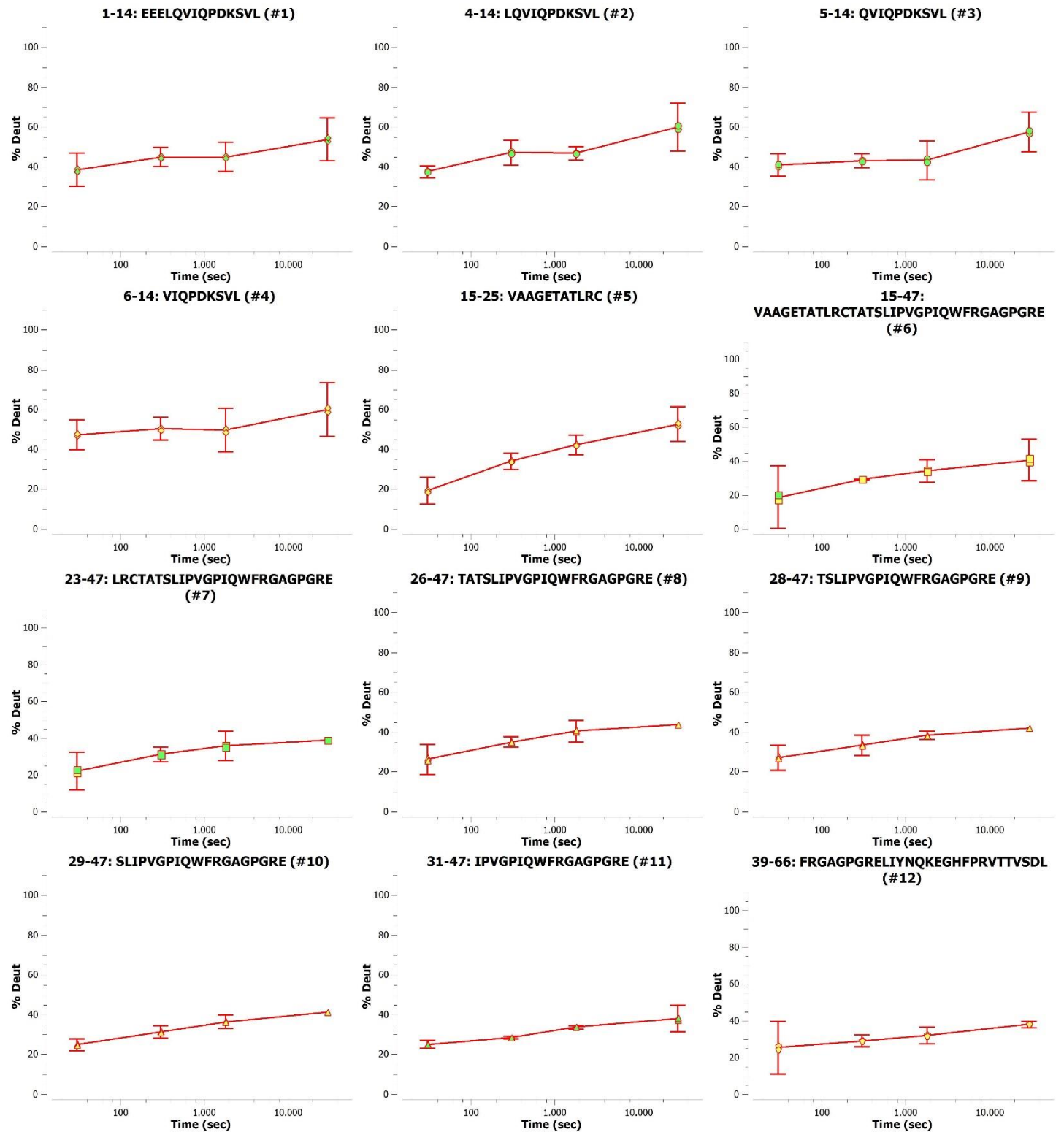
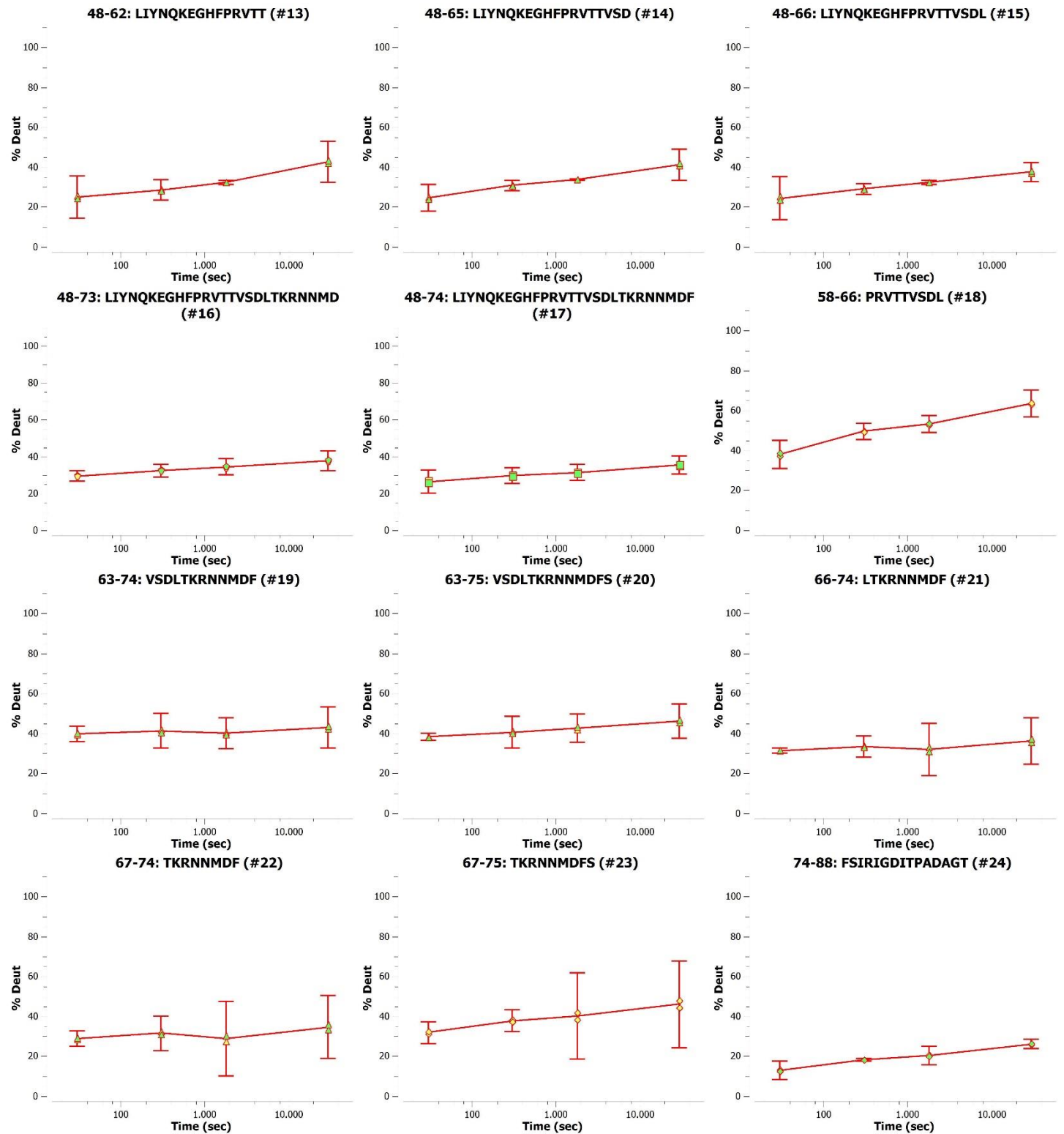
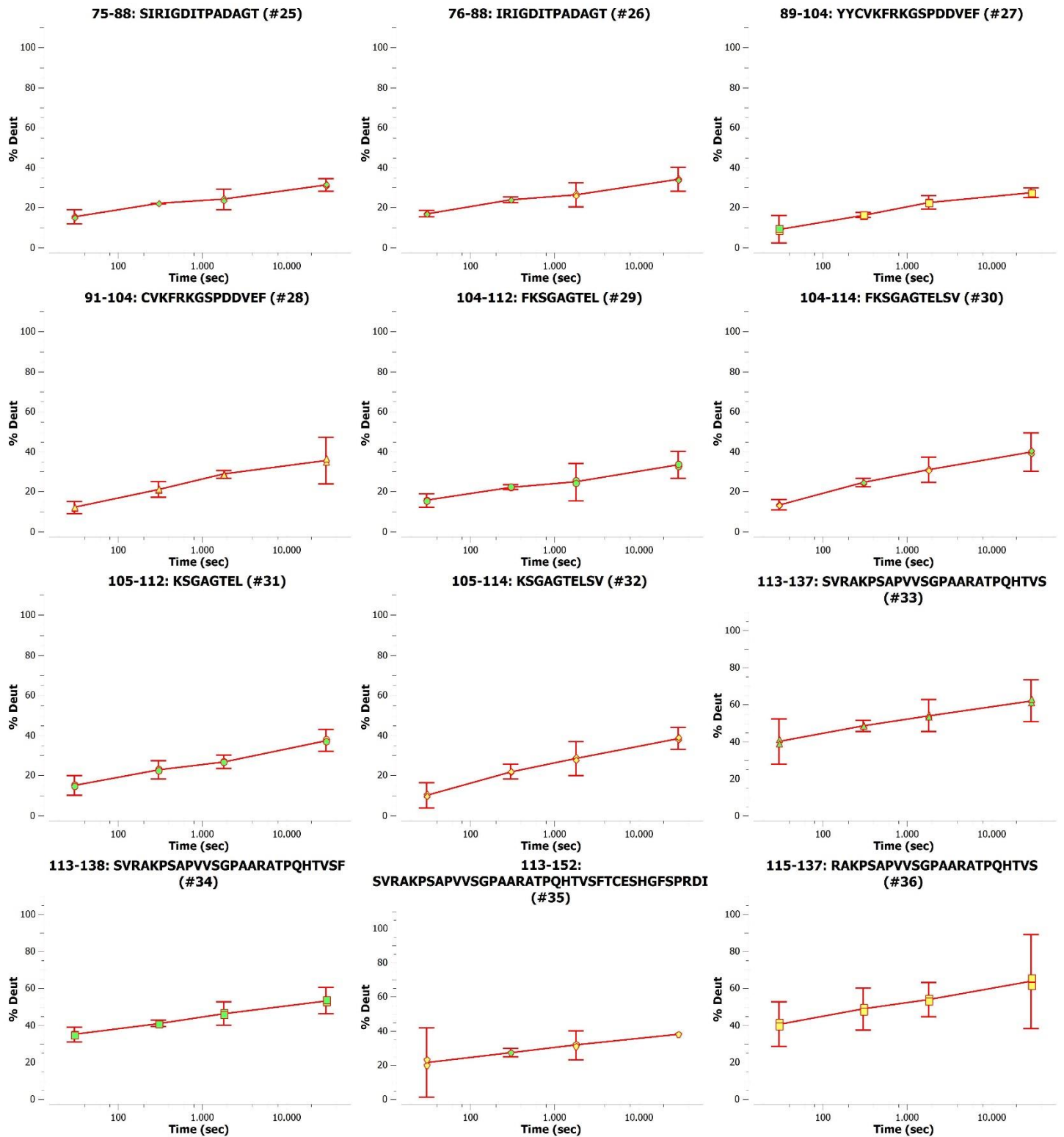


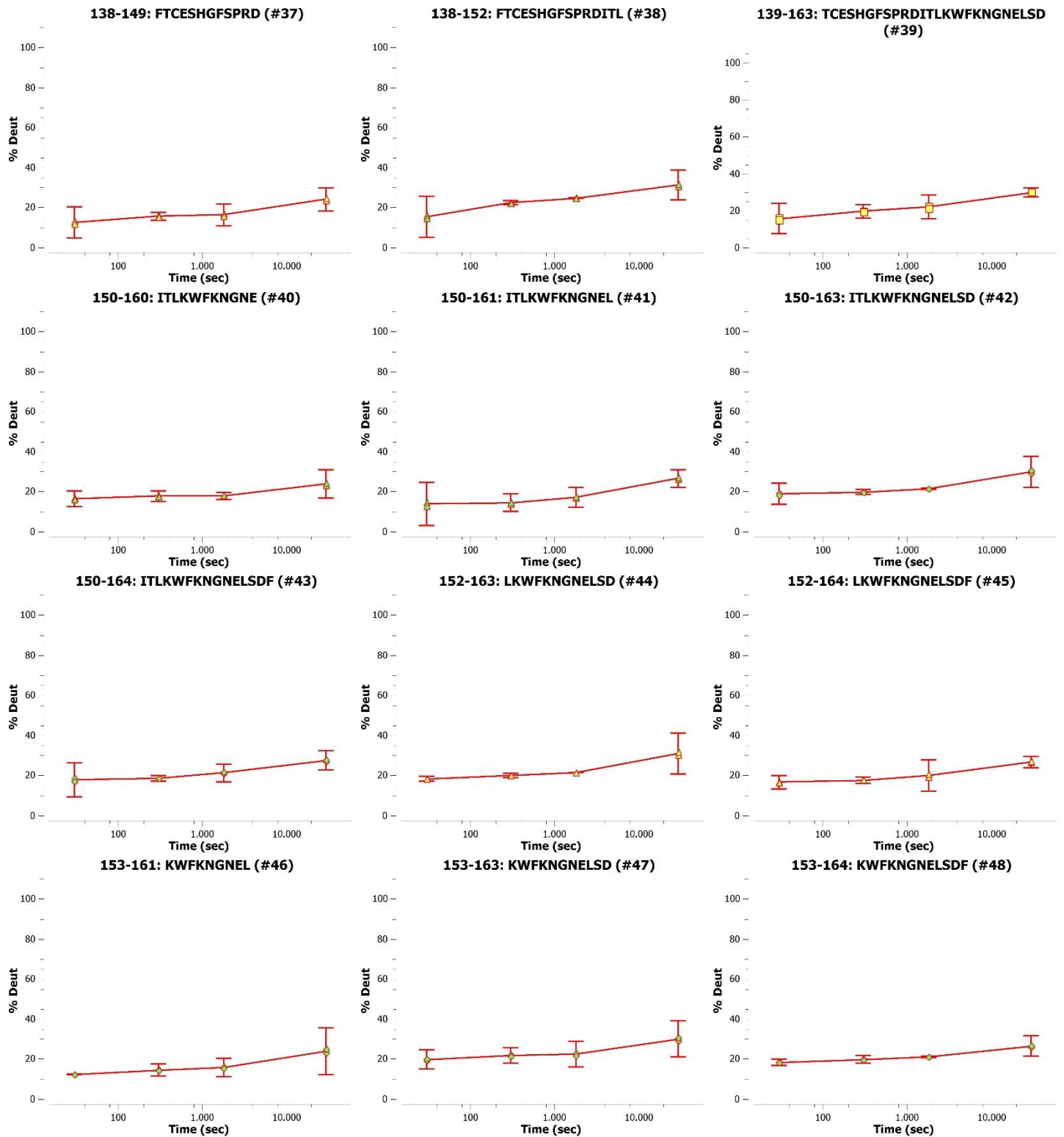
Figure A18. HDX uptake plots of peptic peptides of RBD alone and in presence of nanobody NM1230. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 50 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

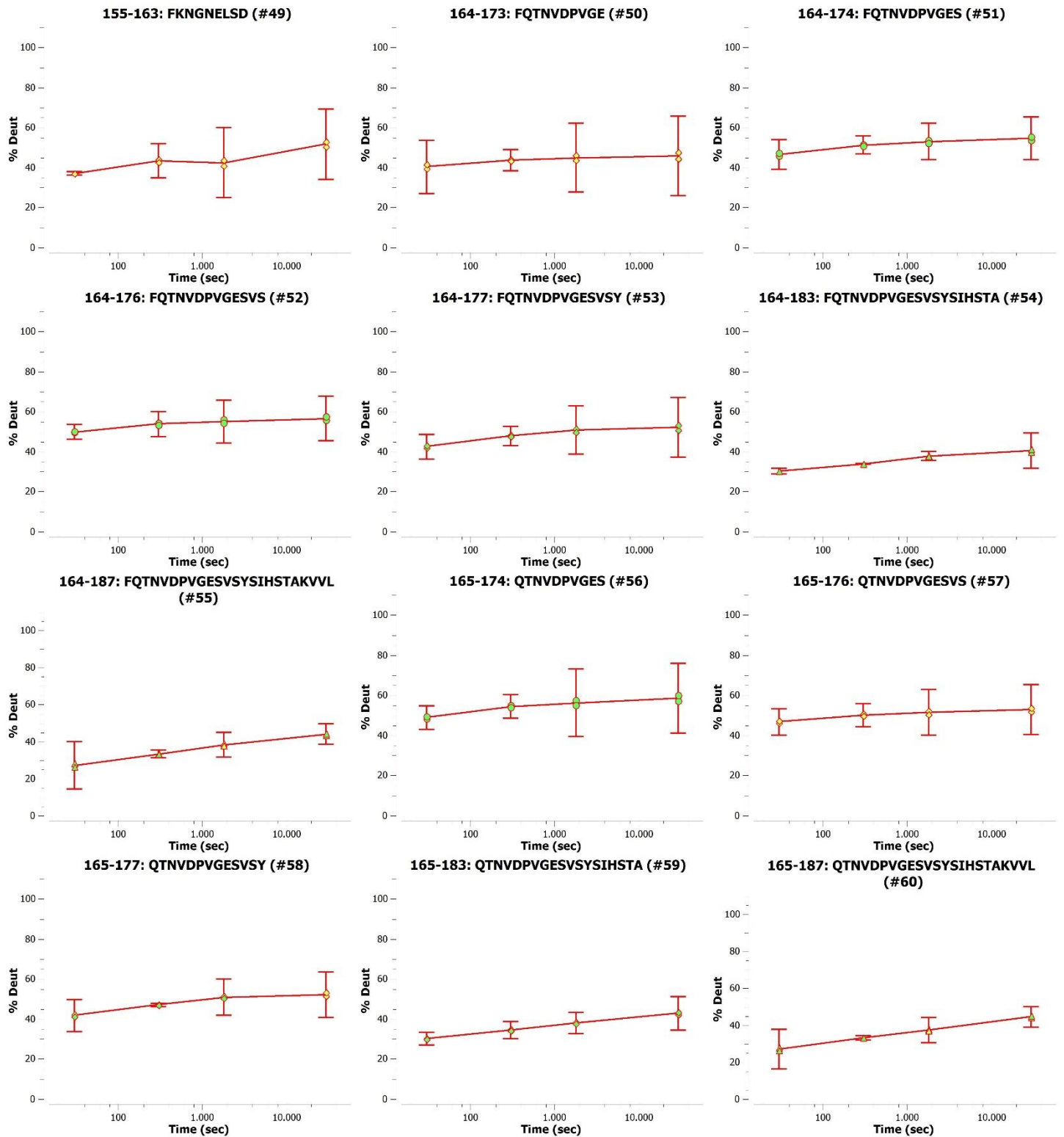
Appendix Figure A19

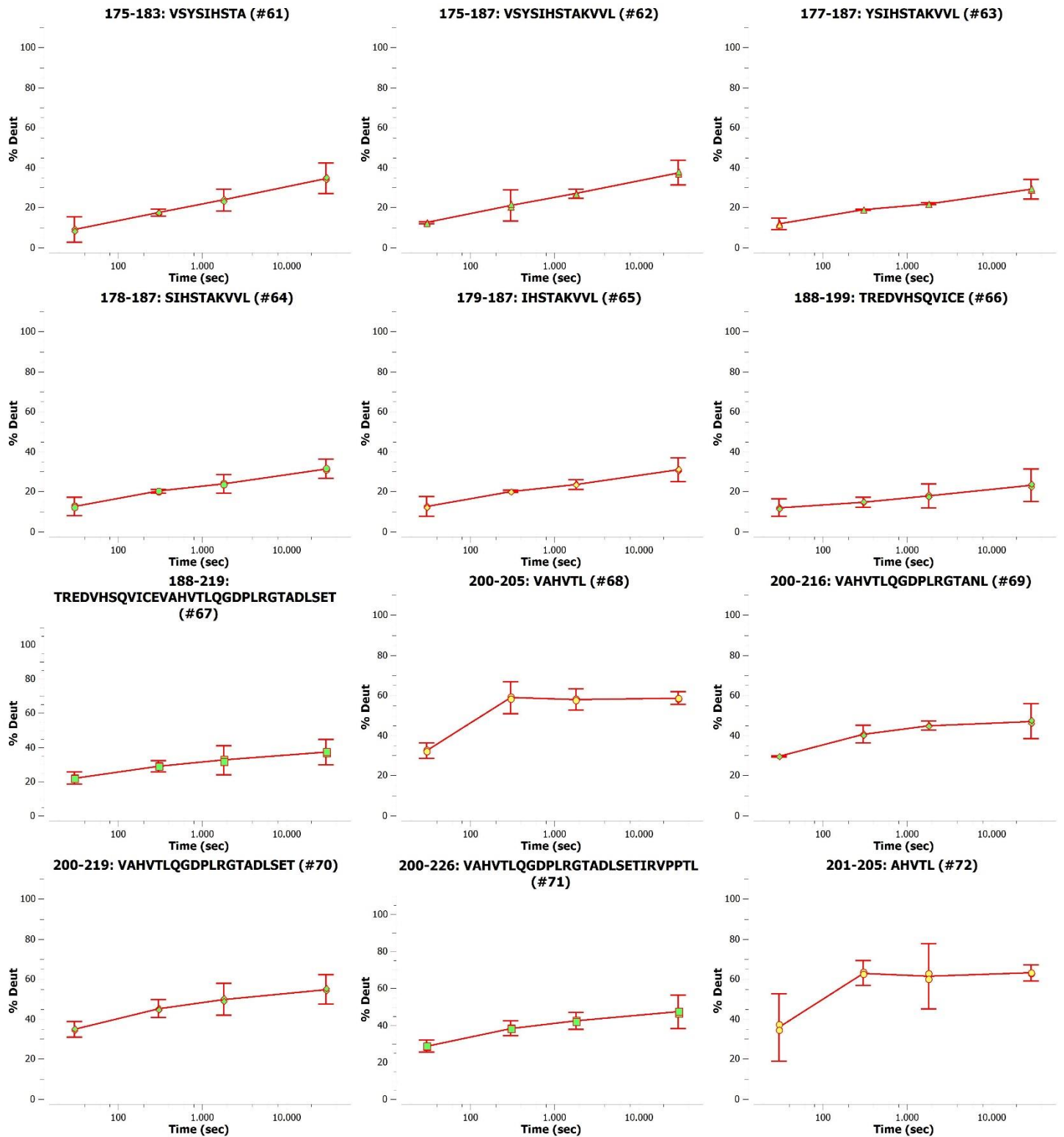


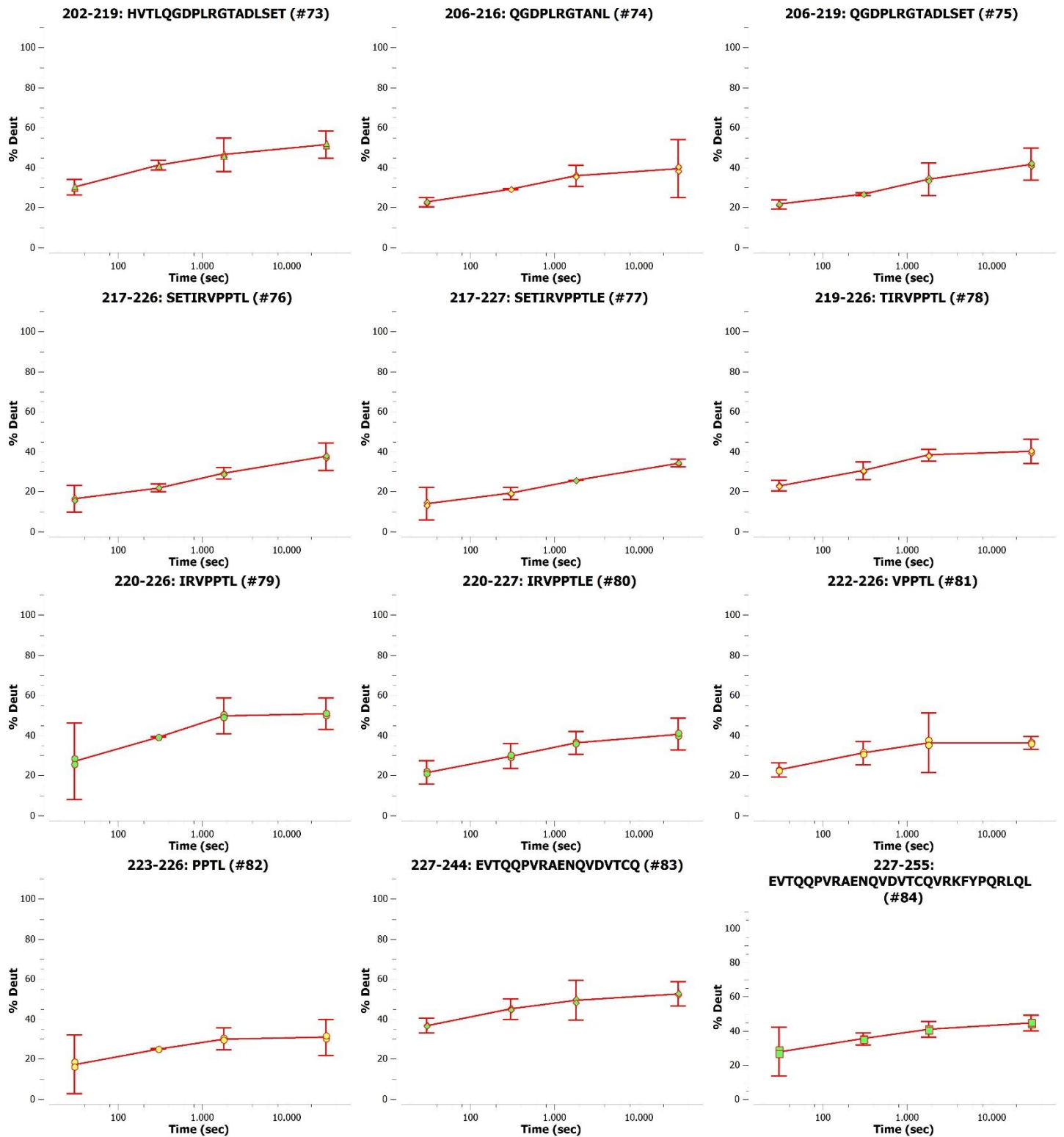


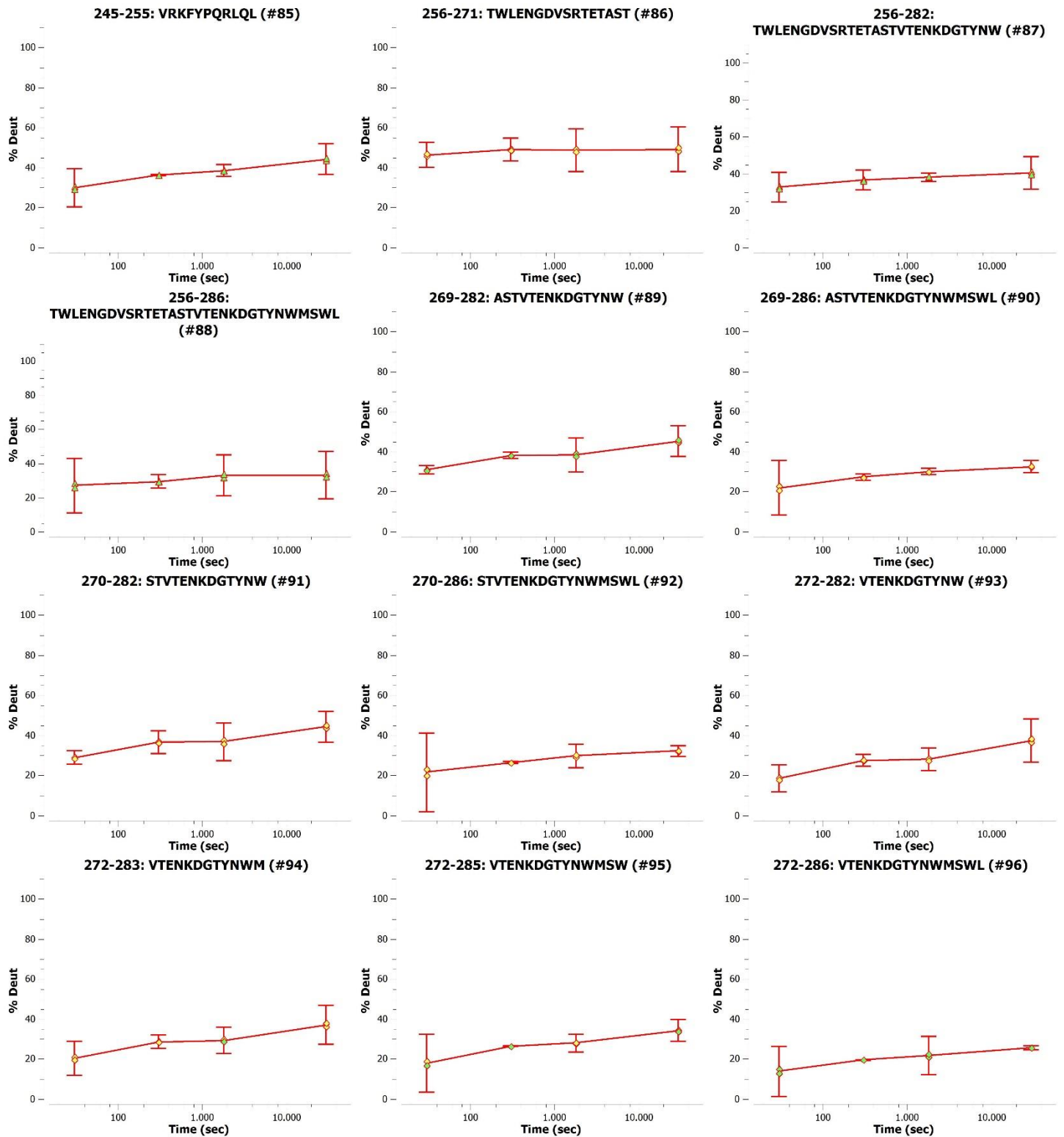












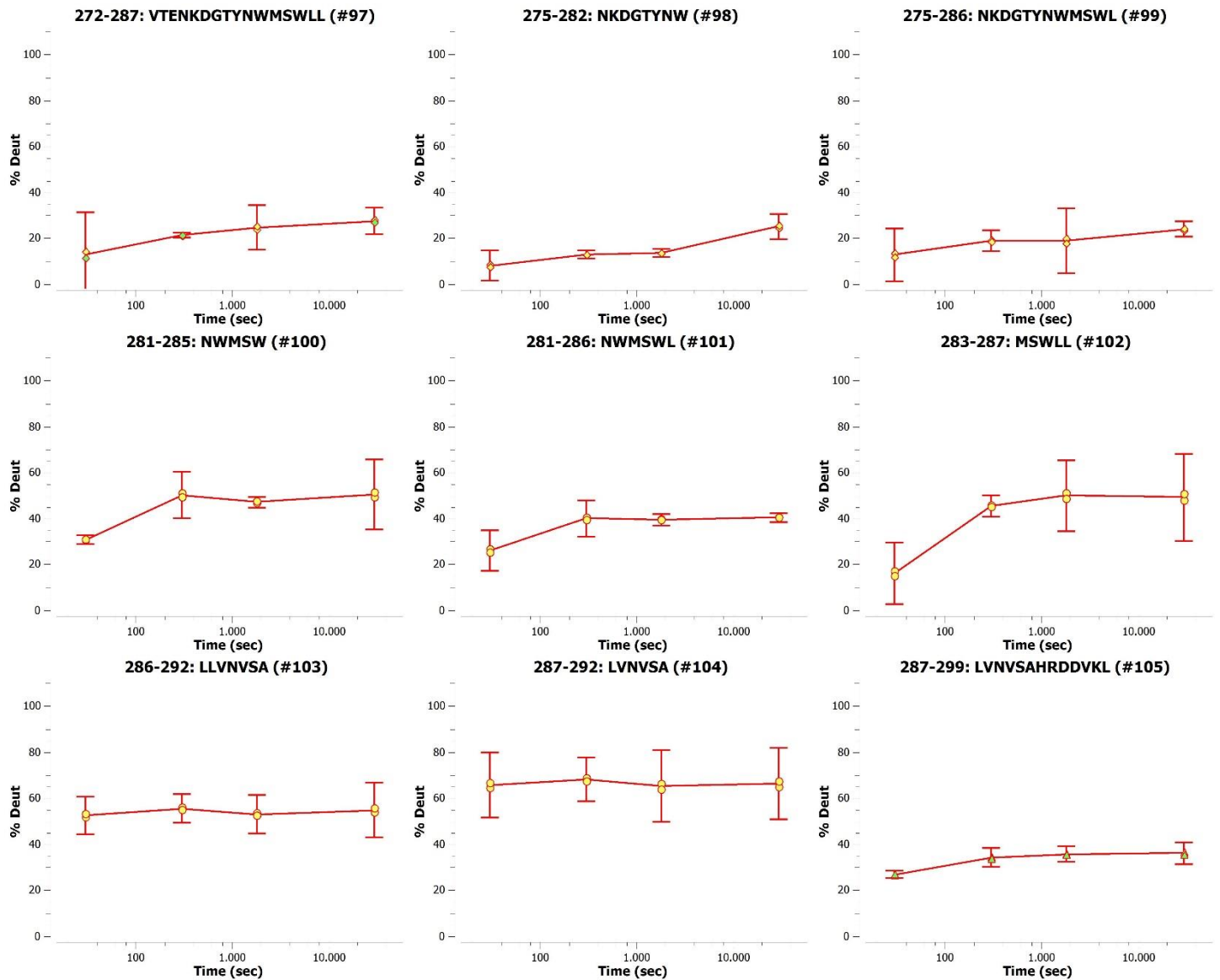
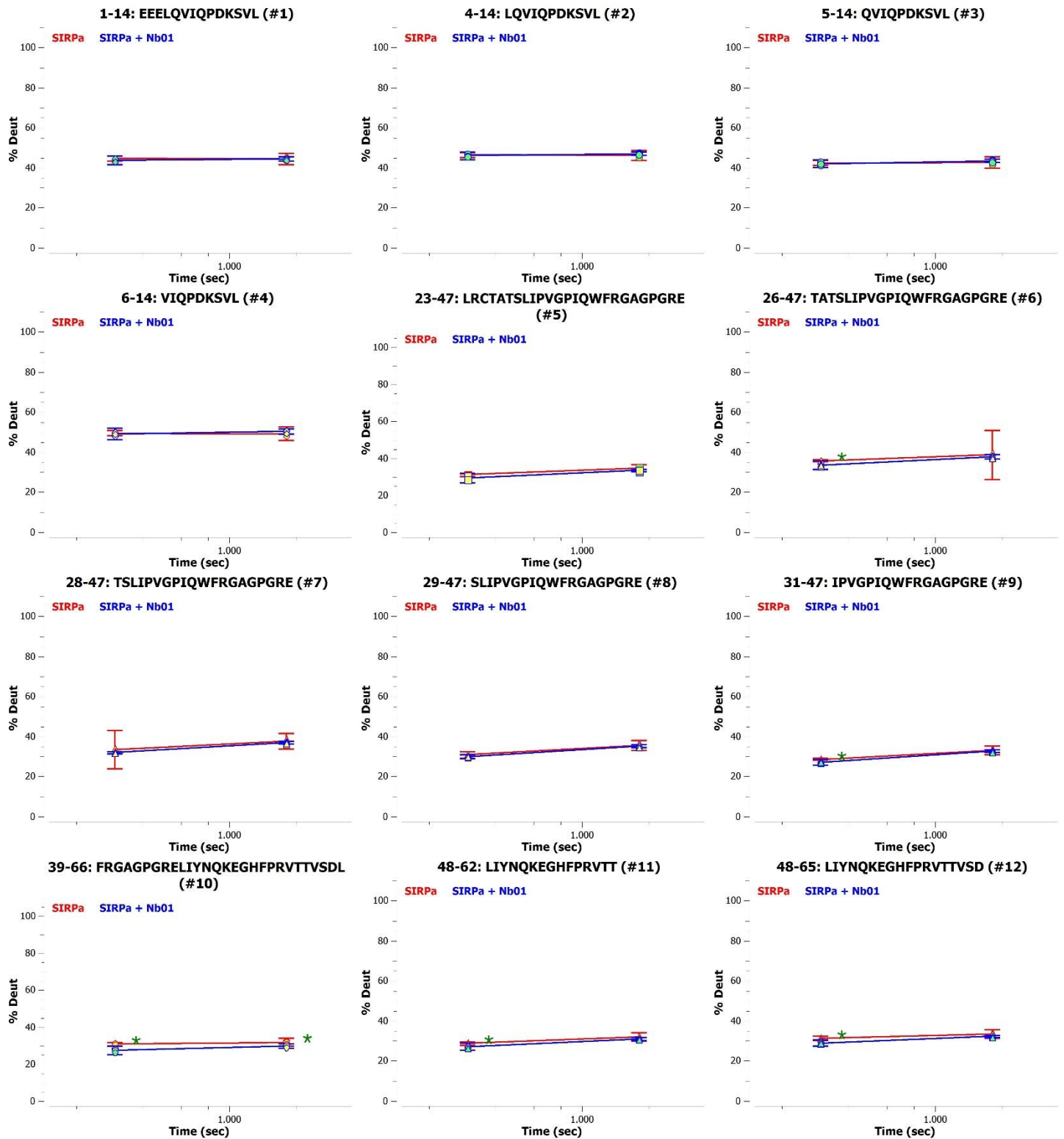
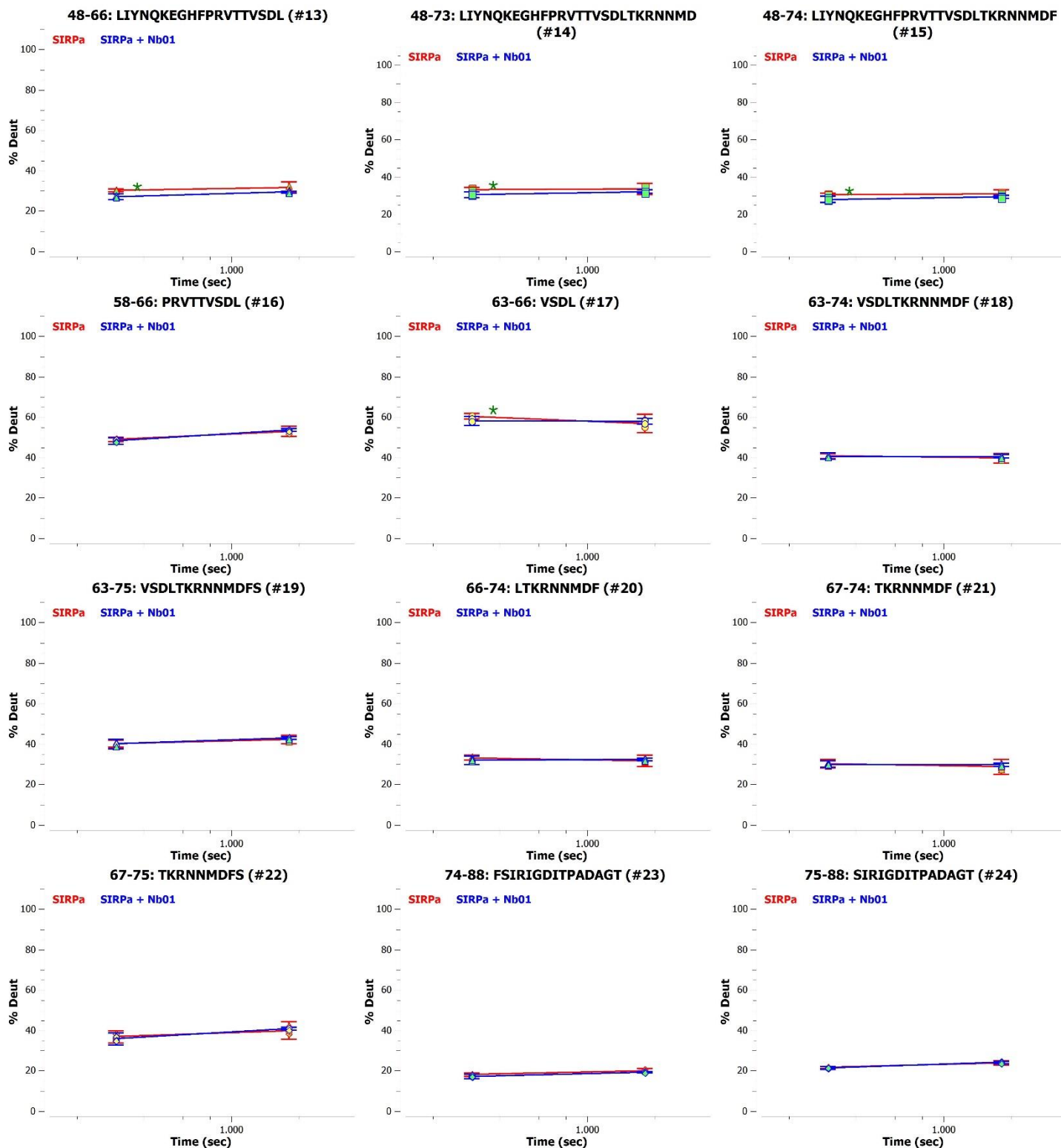
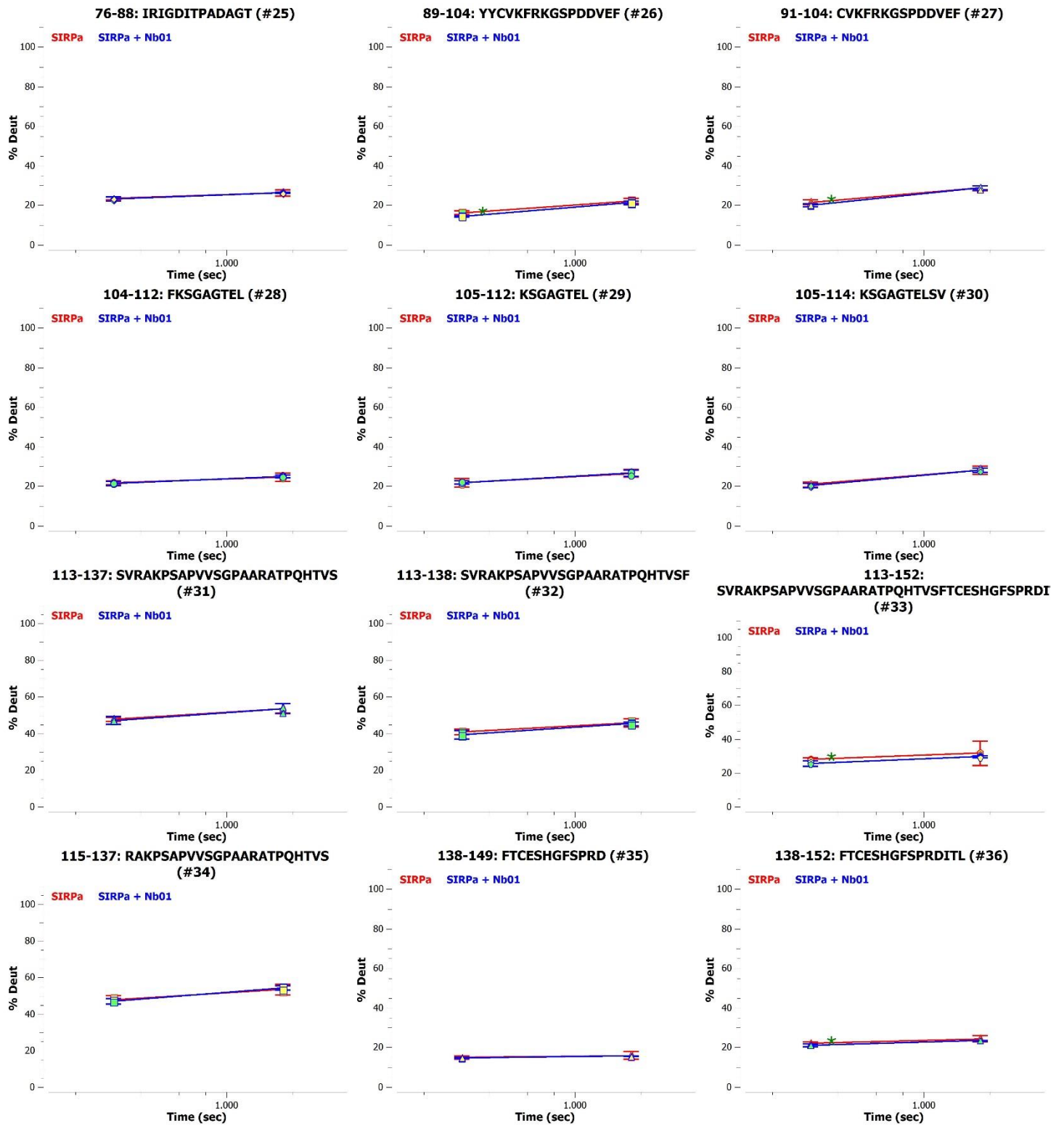


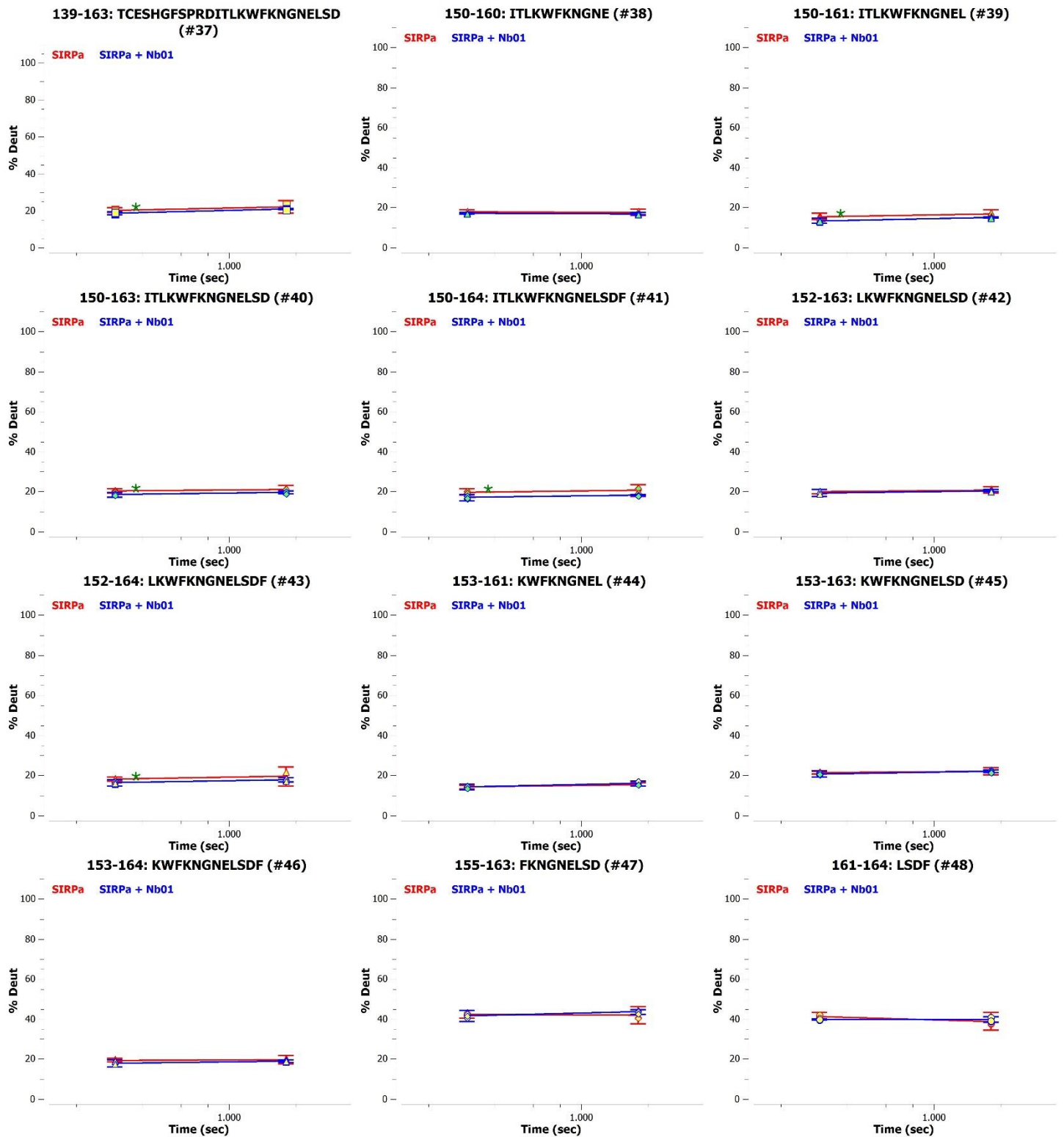
Figure A19. HDX uptake plots of peptic peptides of SIRP α . Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 0.5, 5, 30 and 500 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical replicates (n=2).

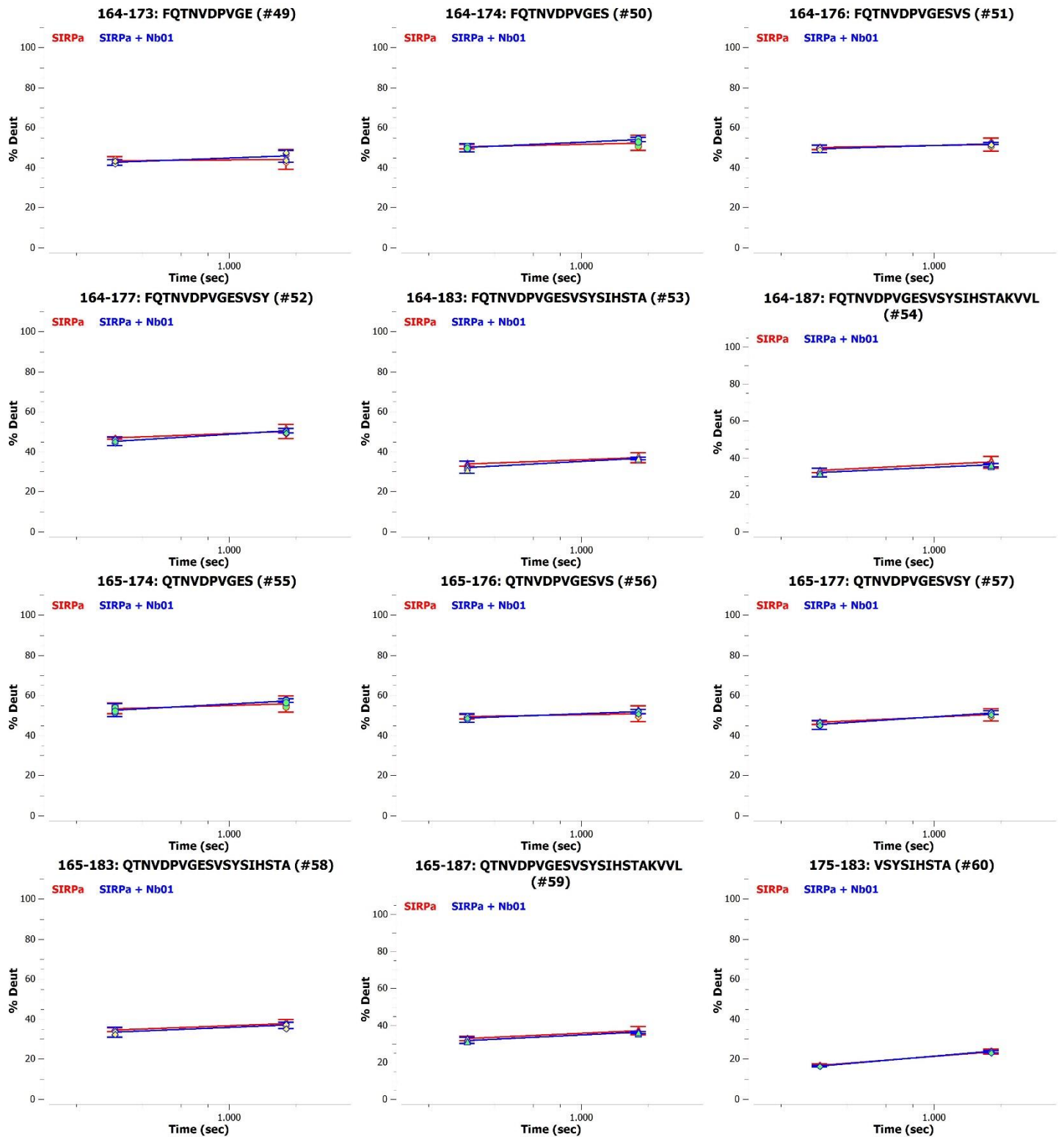
Appendix Figure A20

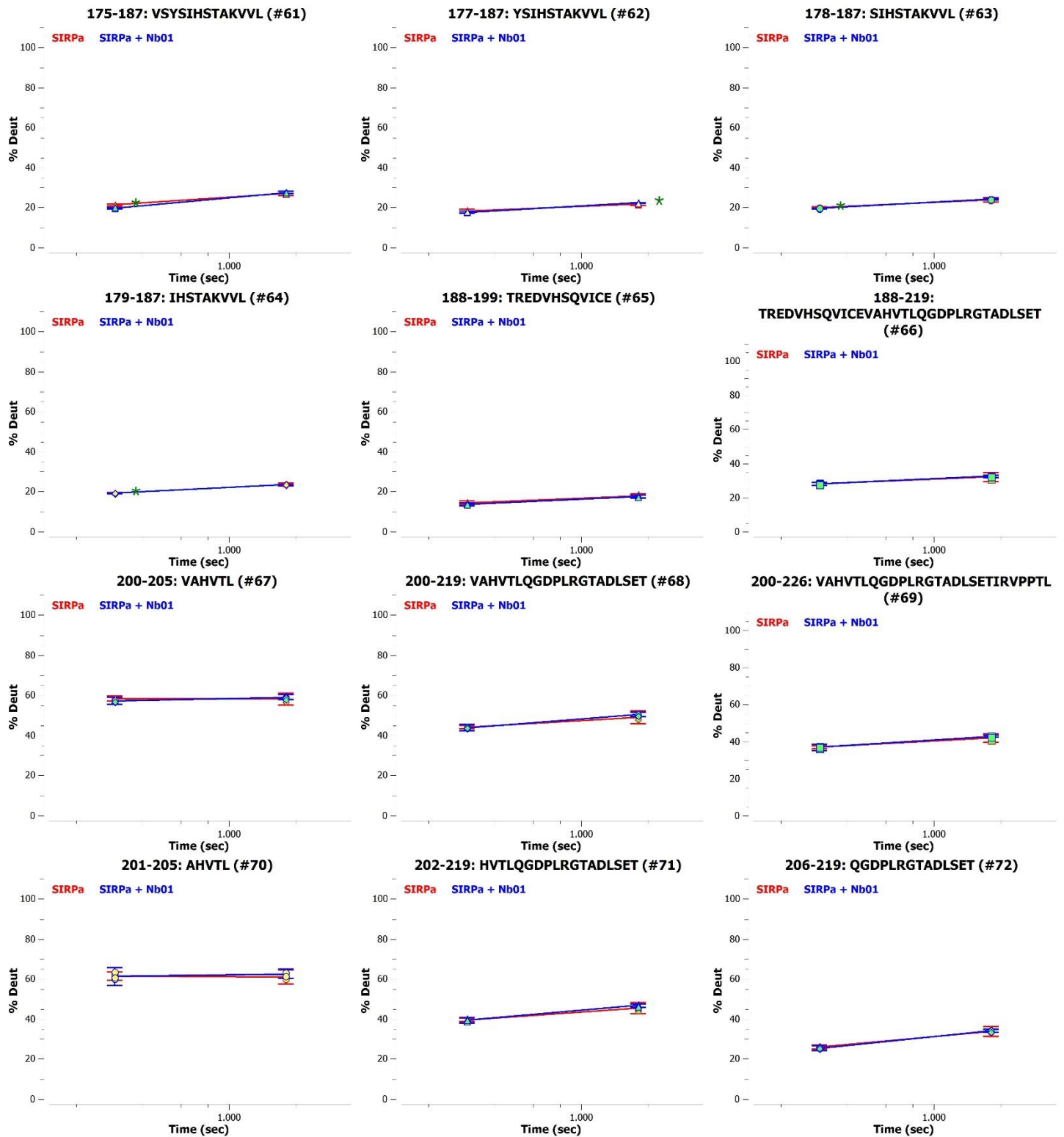


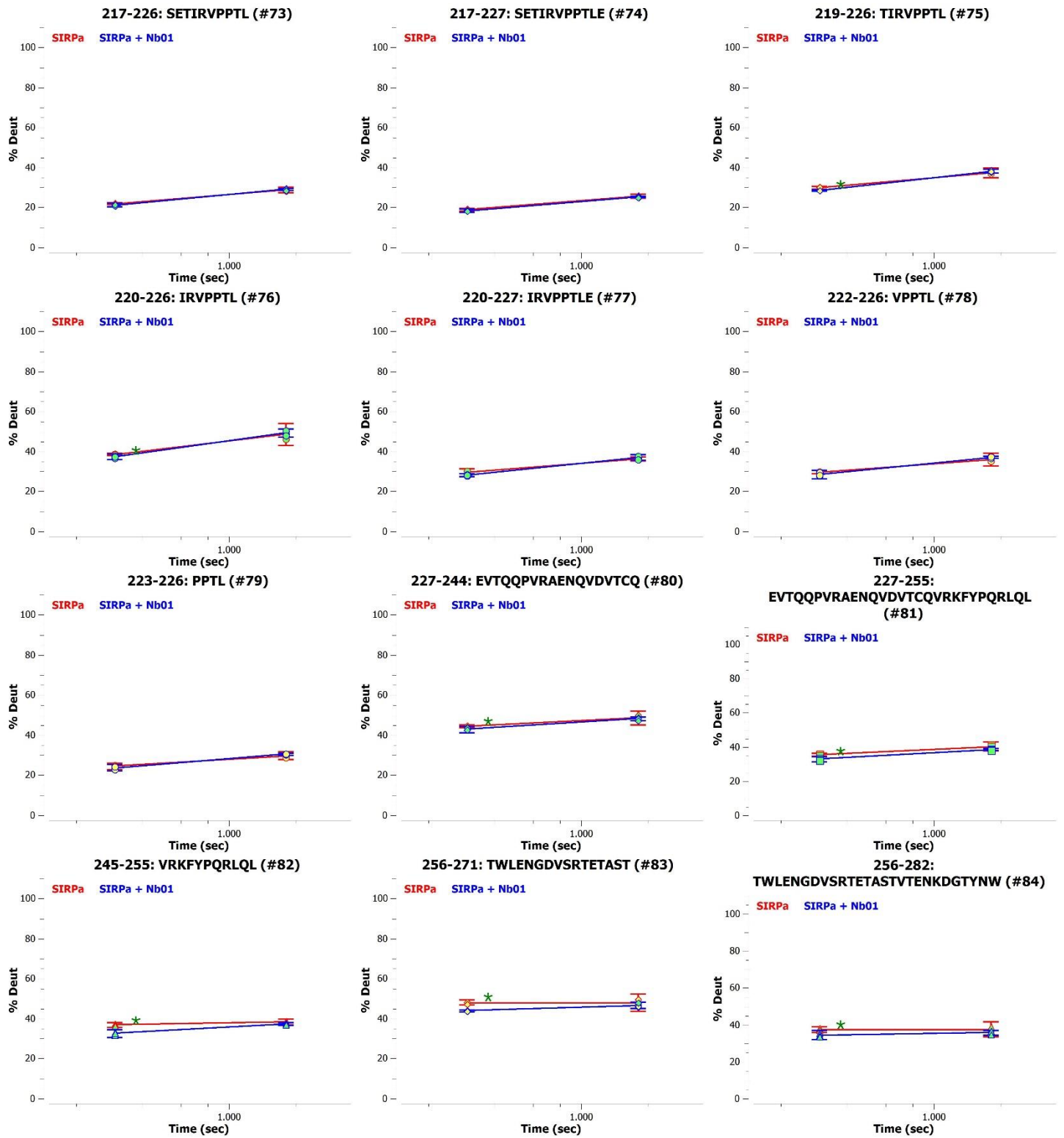


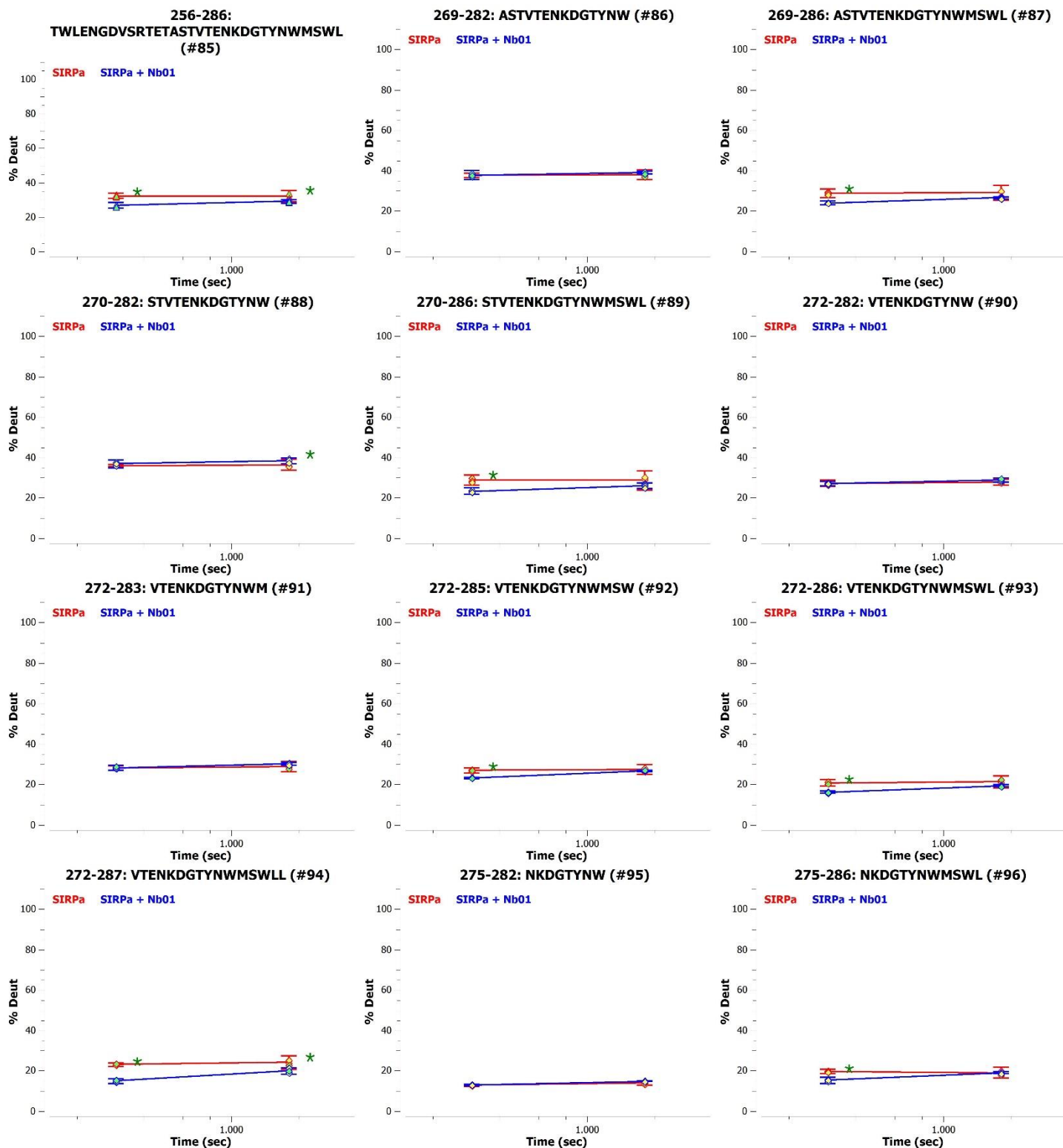












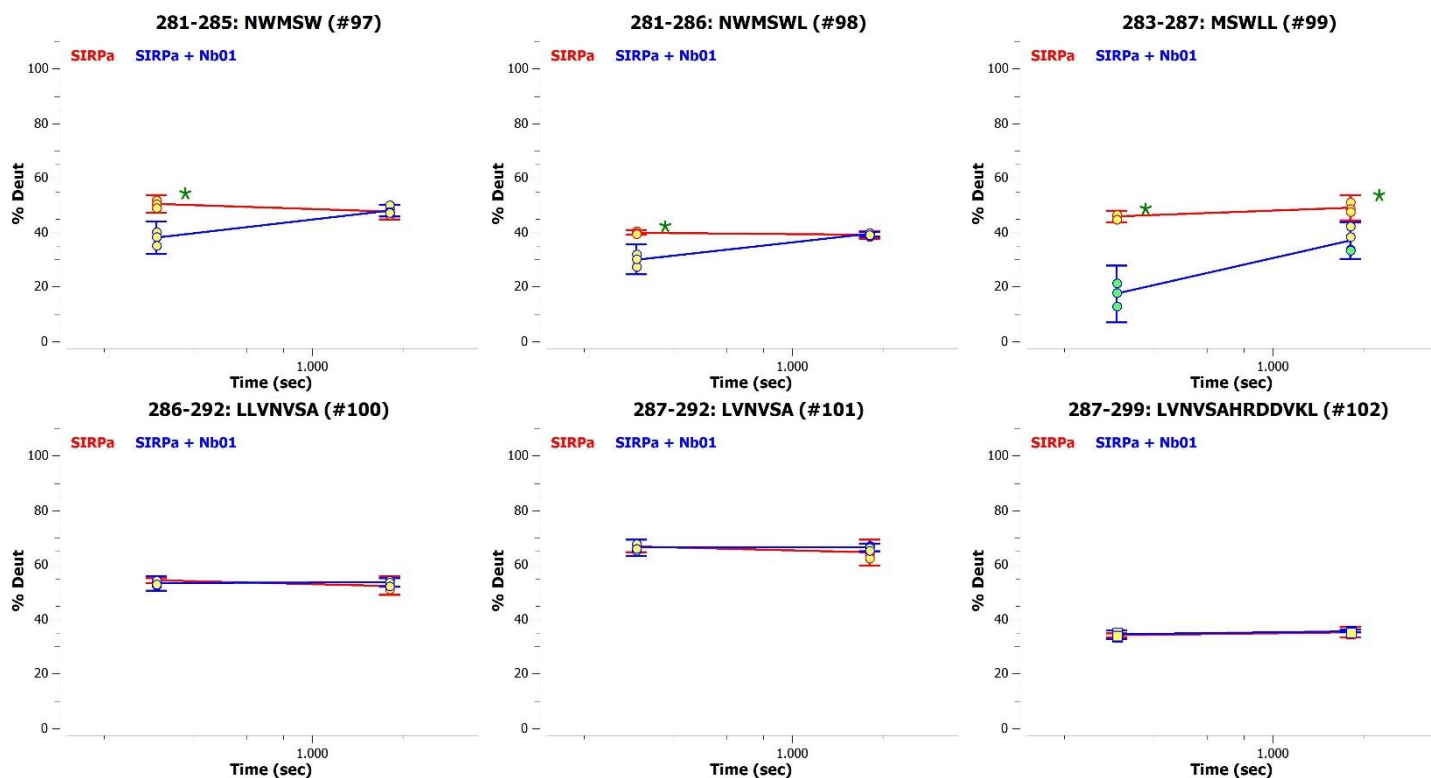
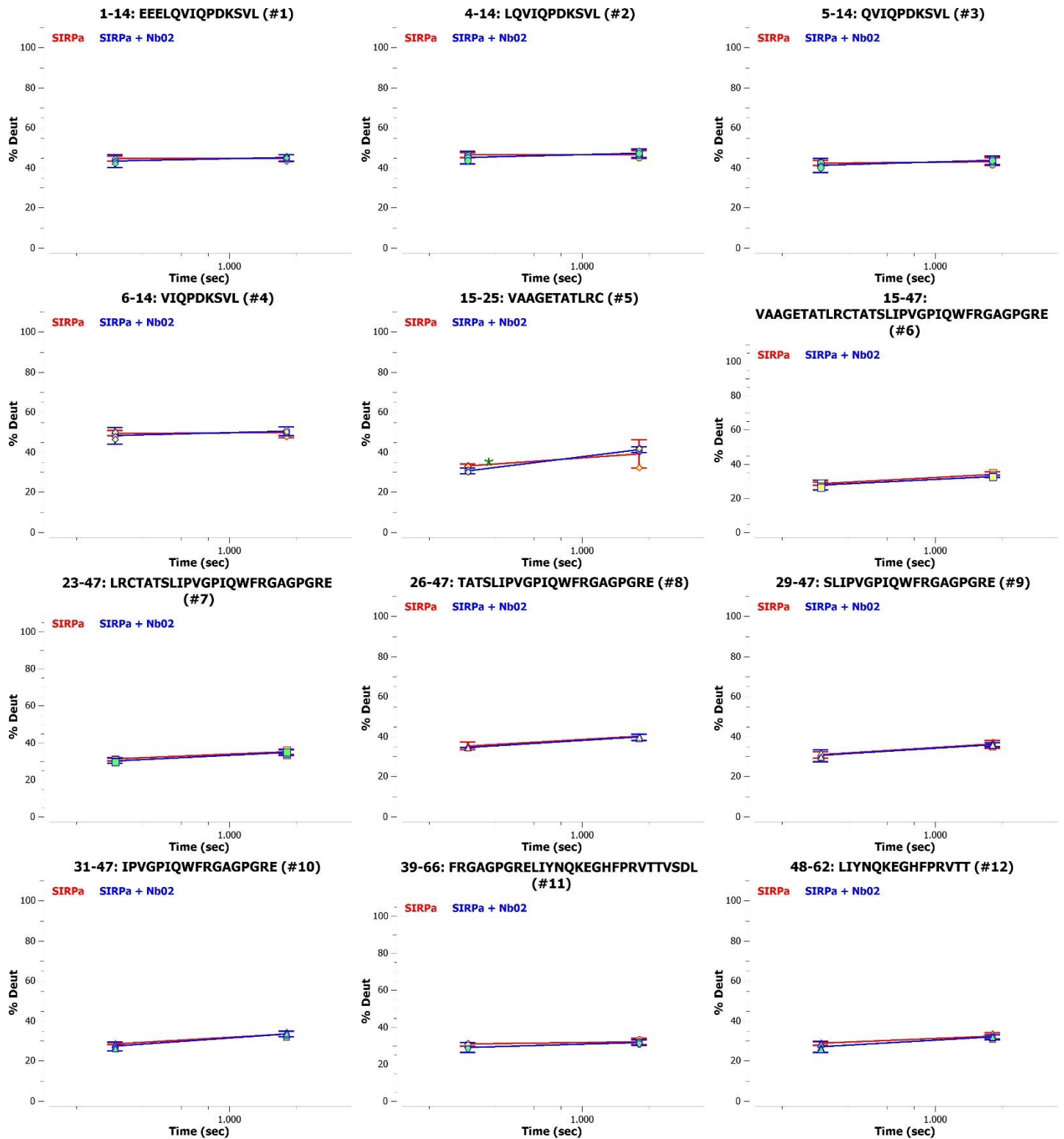
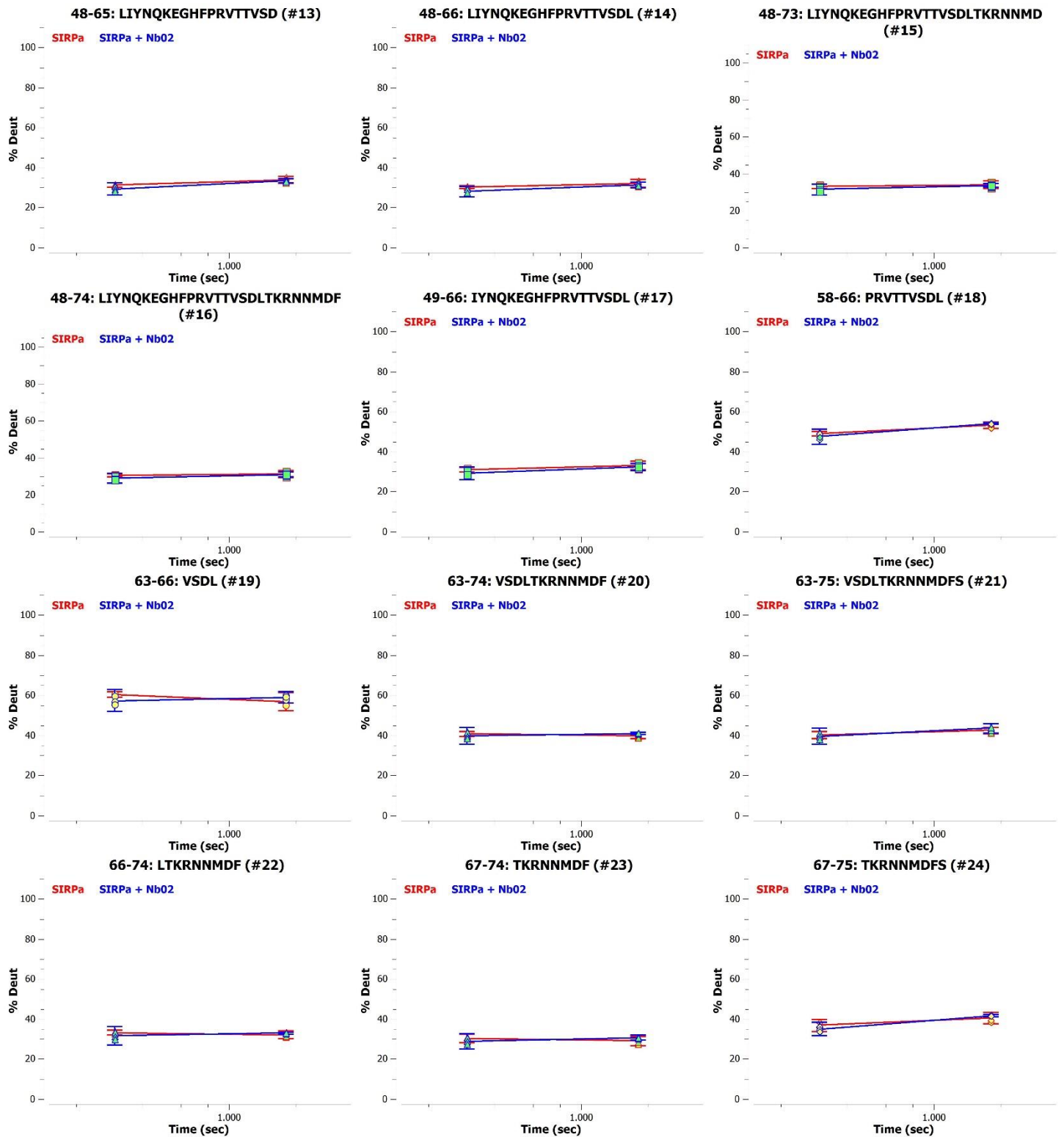
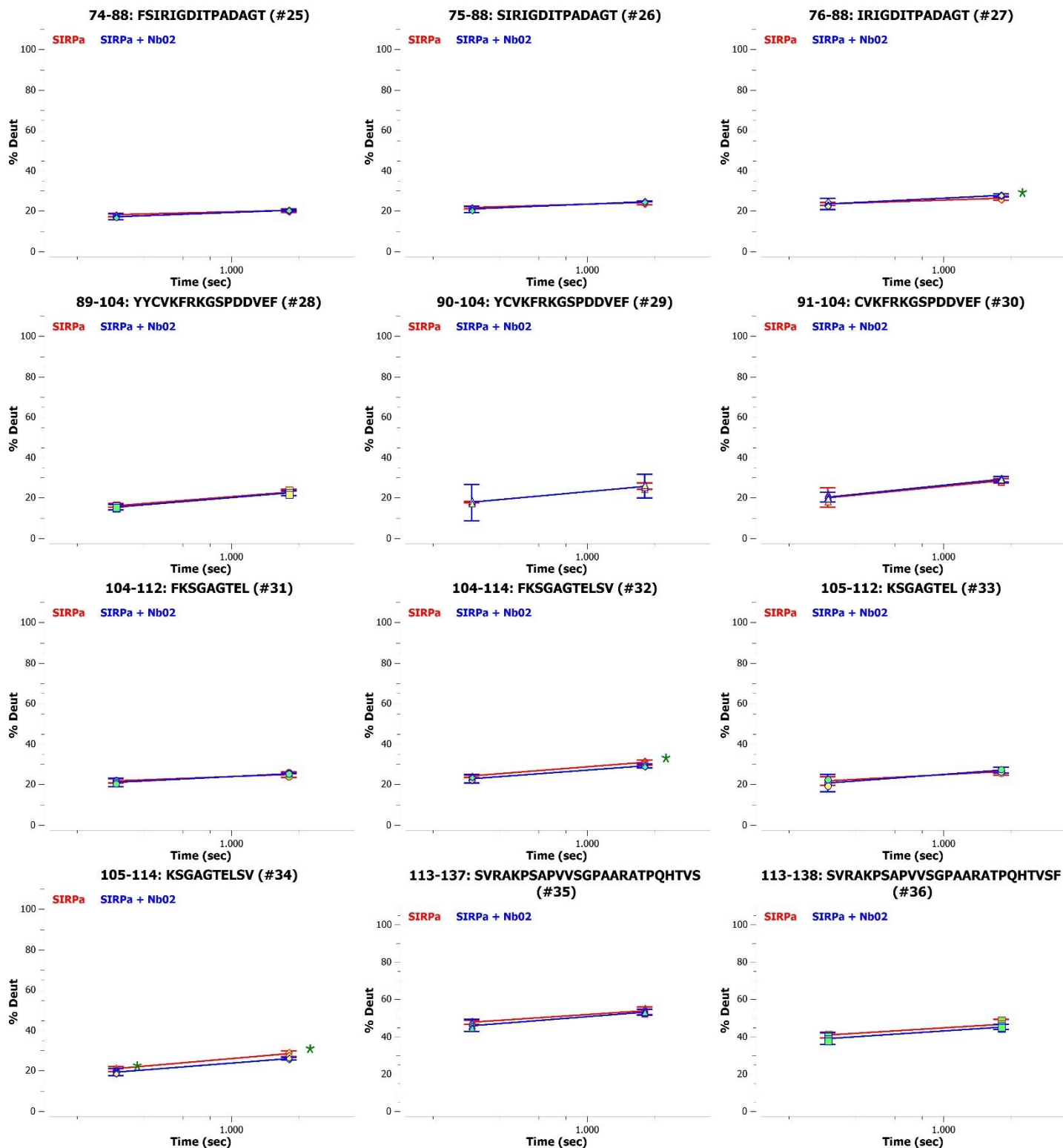


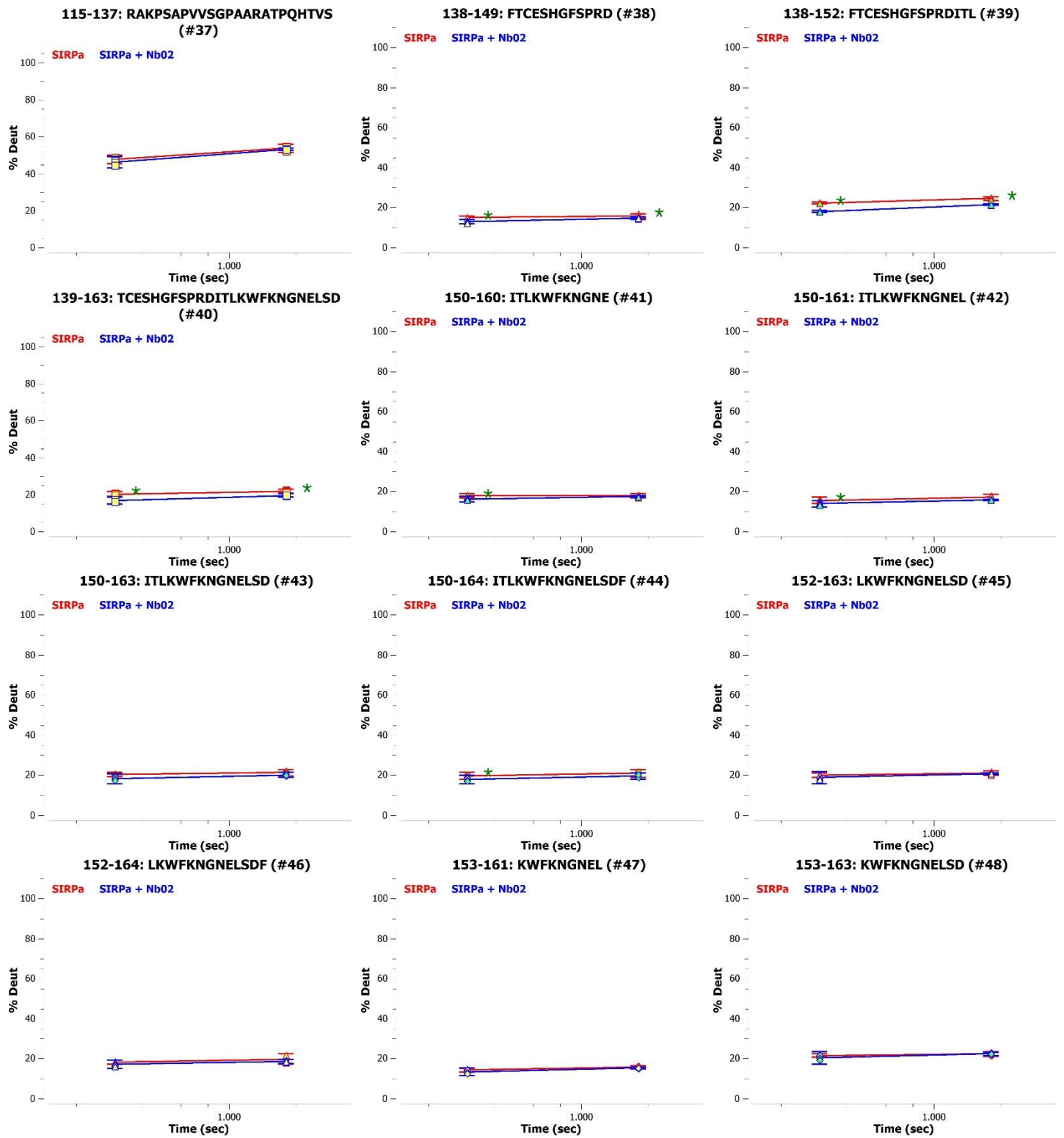
Figure A20. HDX uptake plots of peptic peptides of SIRP α alone and in presence of nanobody Nb01. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 30 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

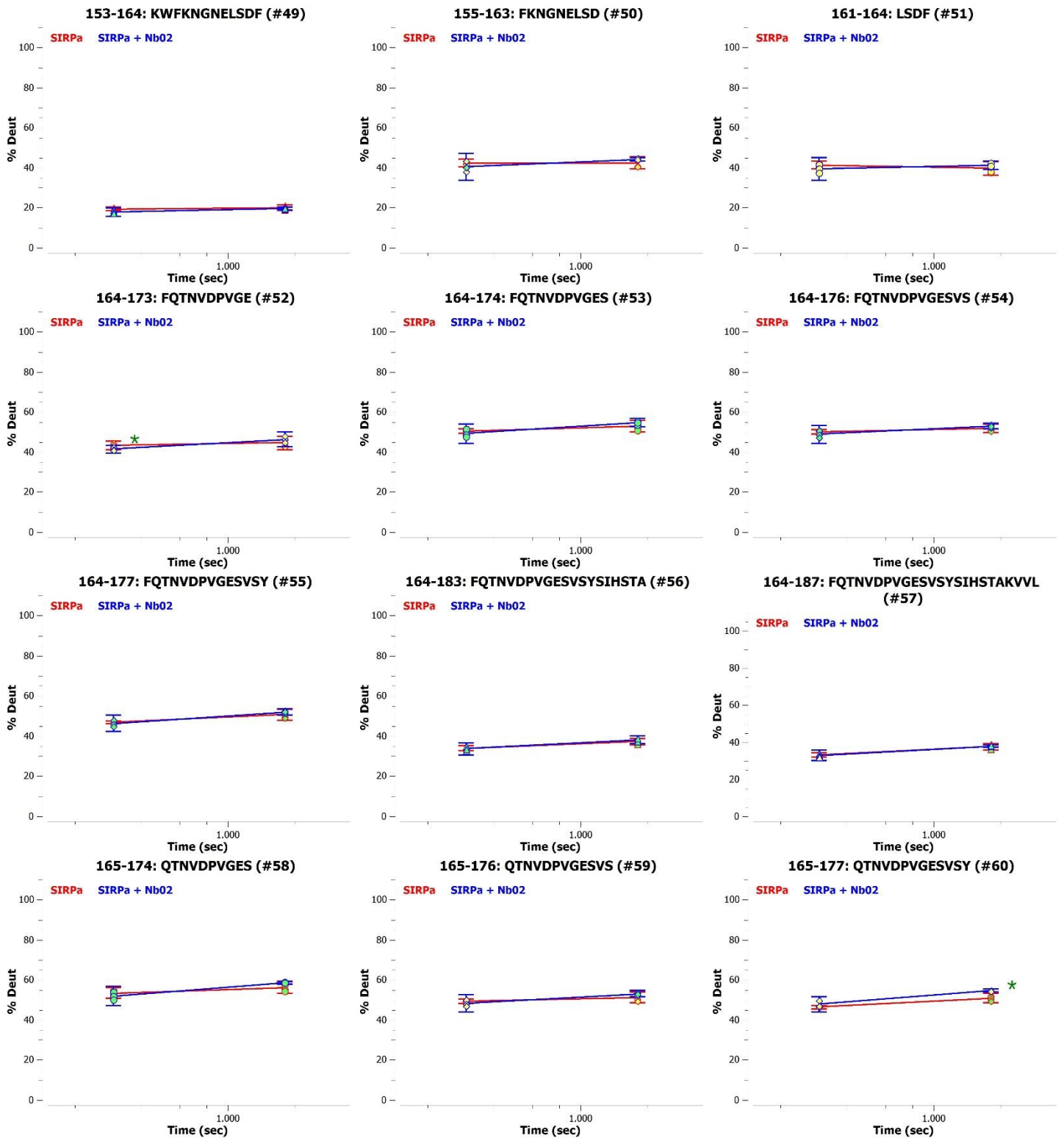
Appendix Figure A21

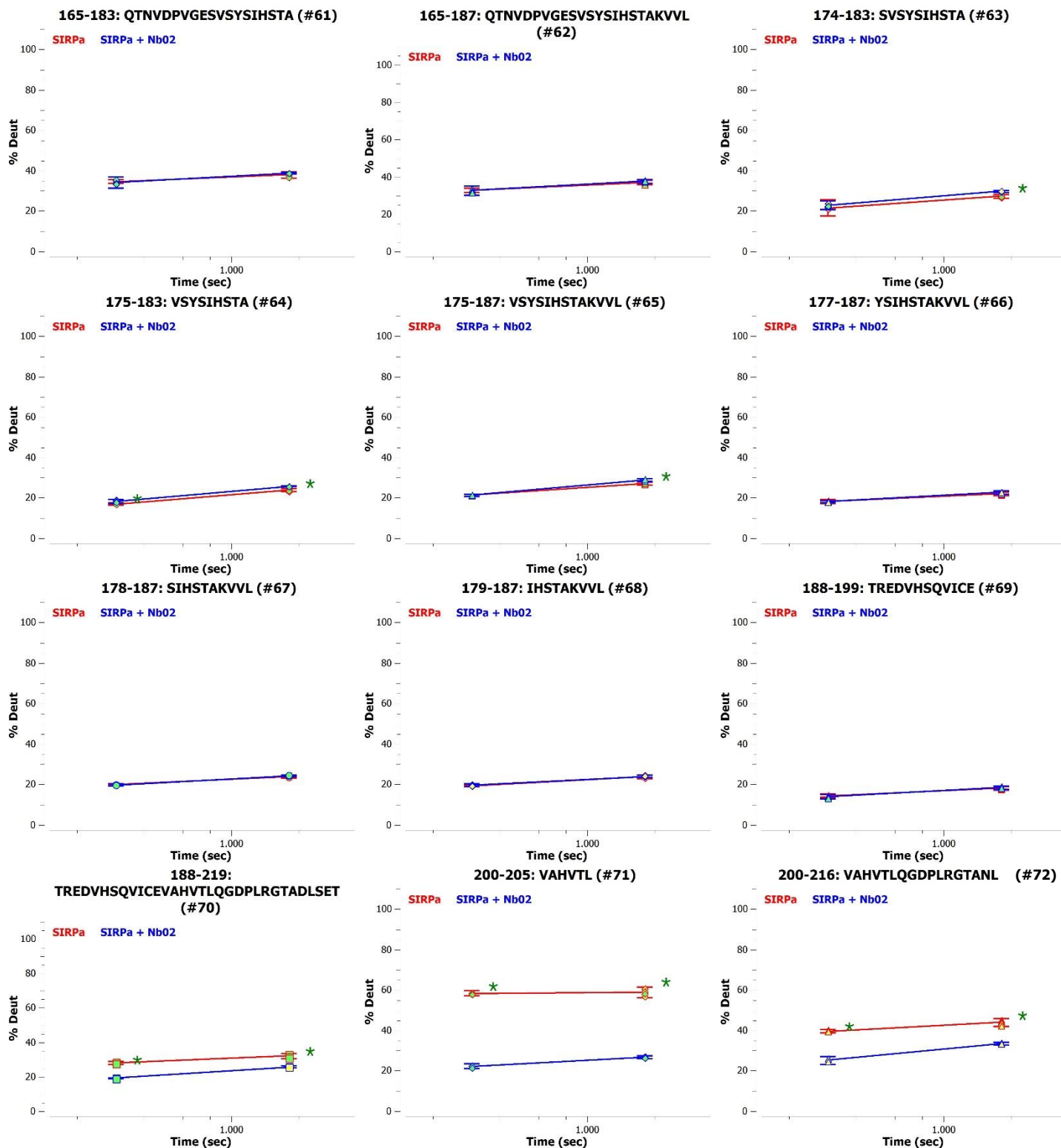


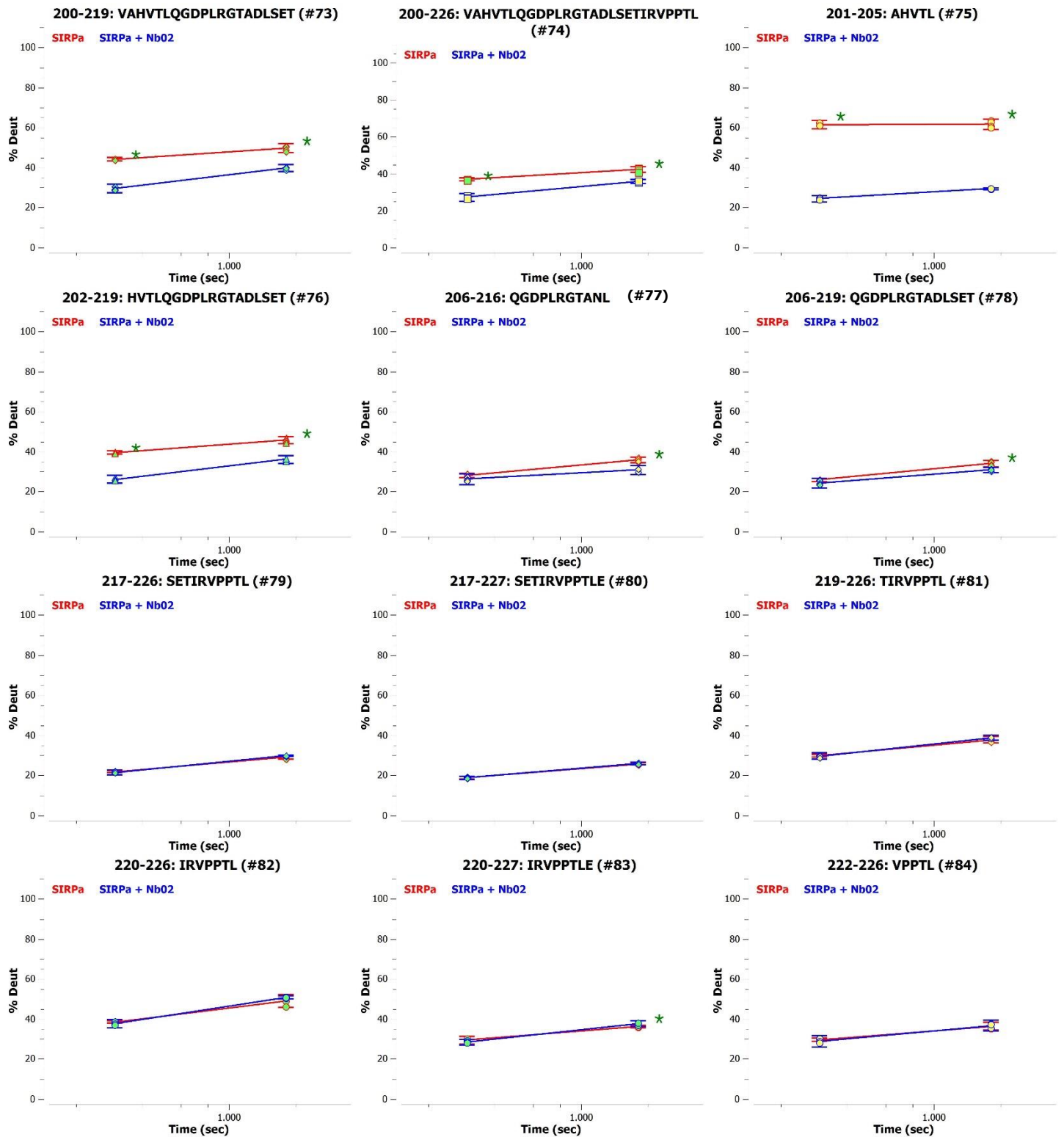


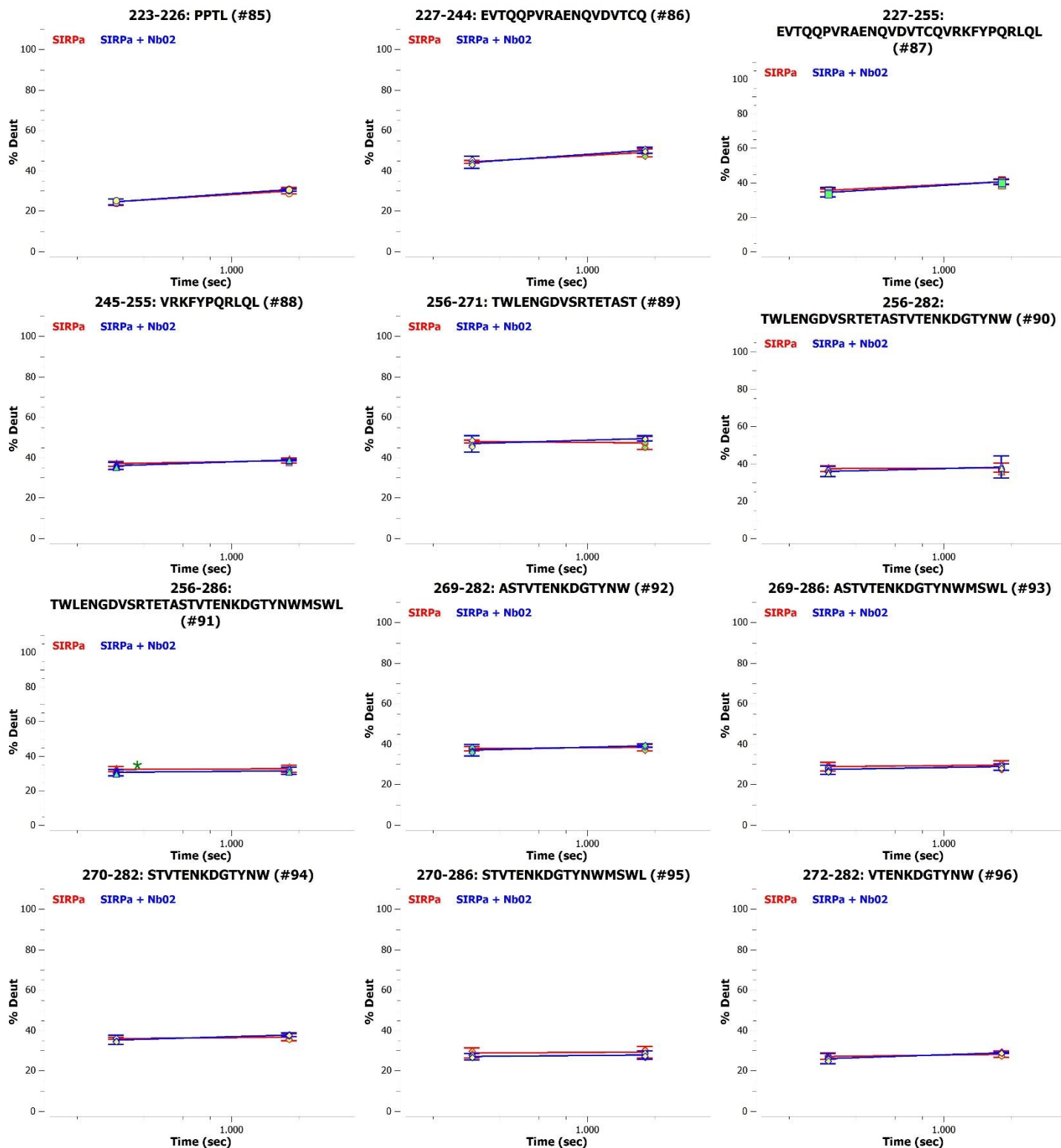












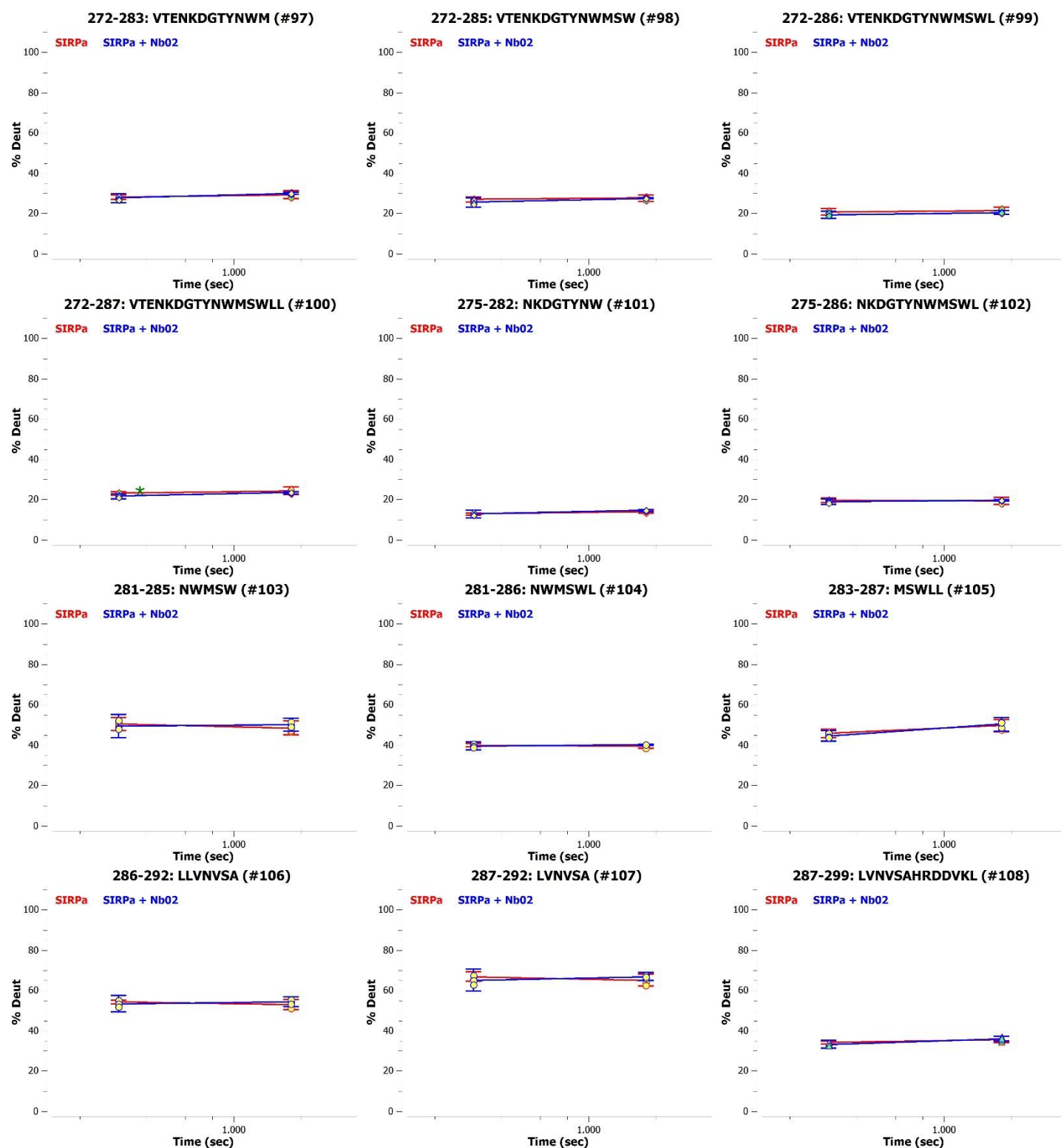
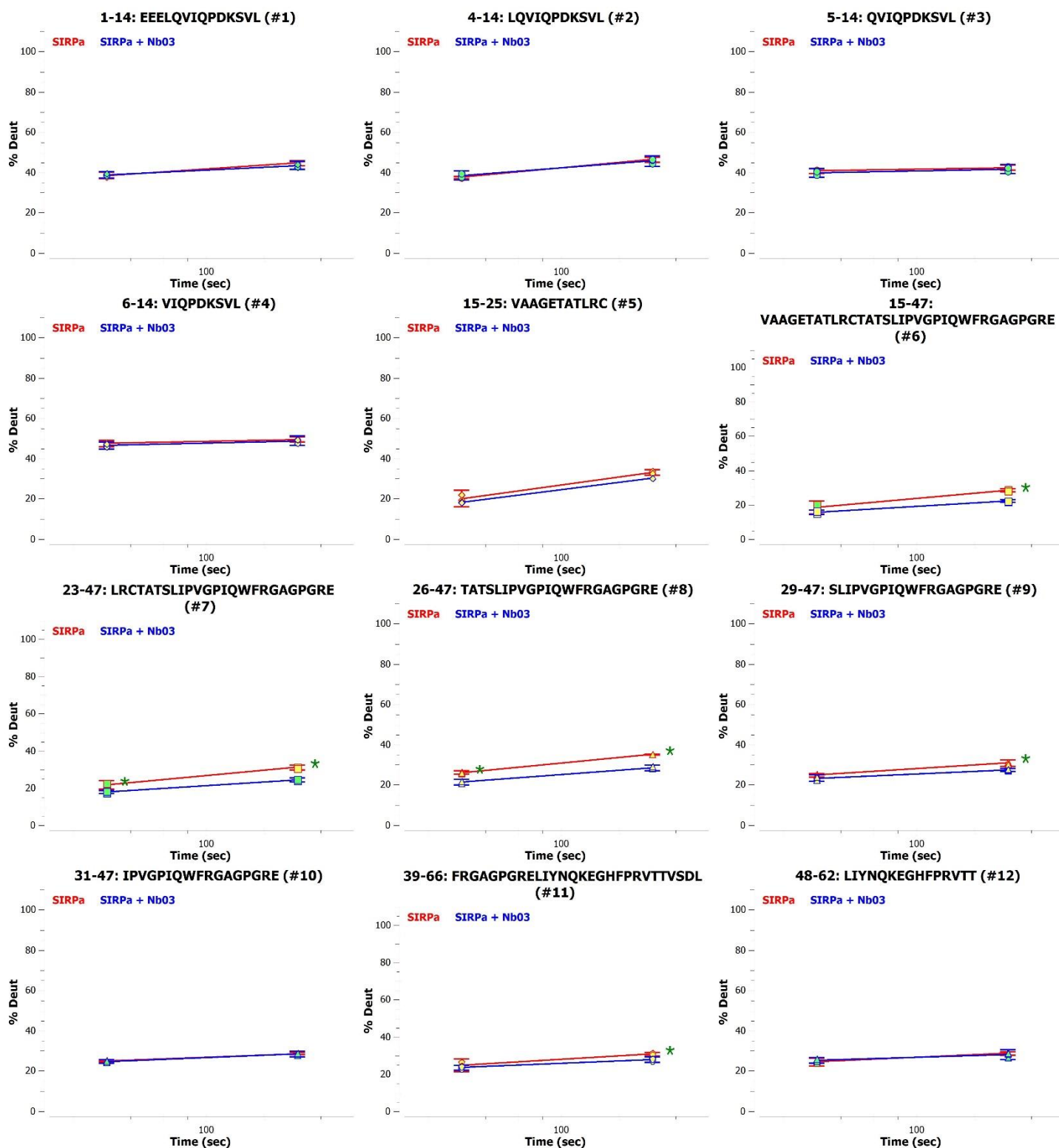
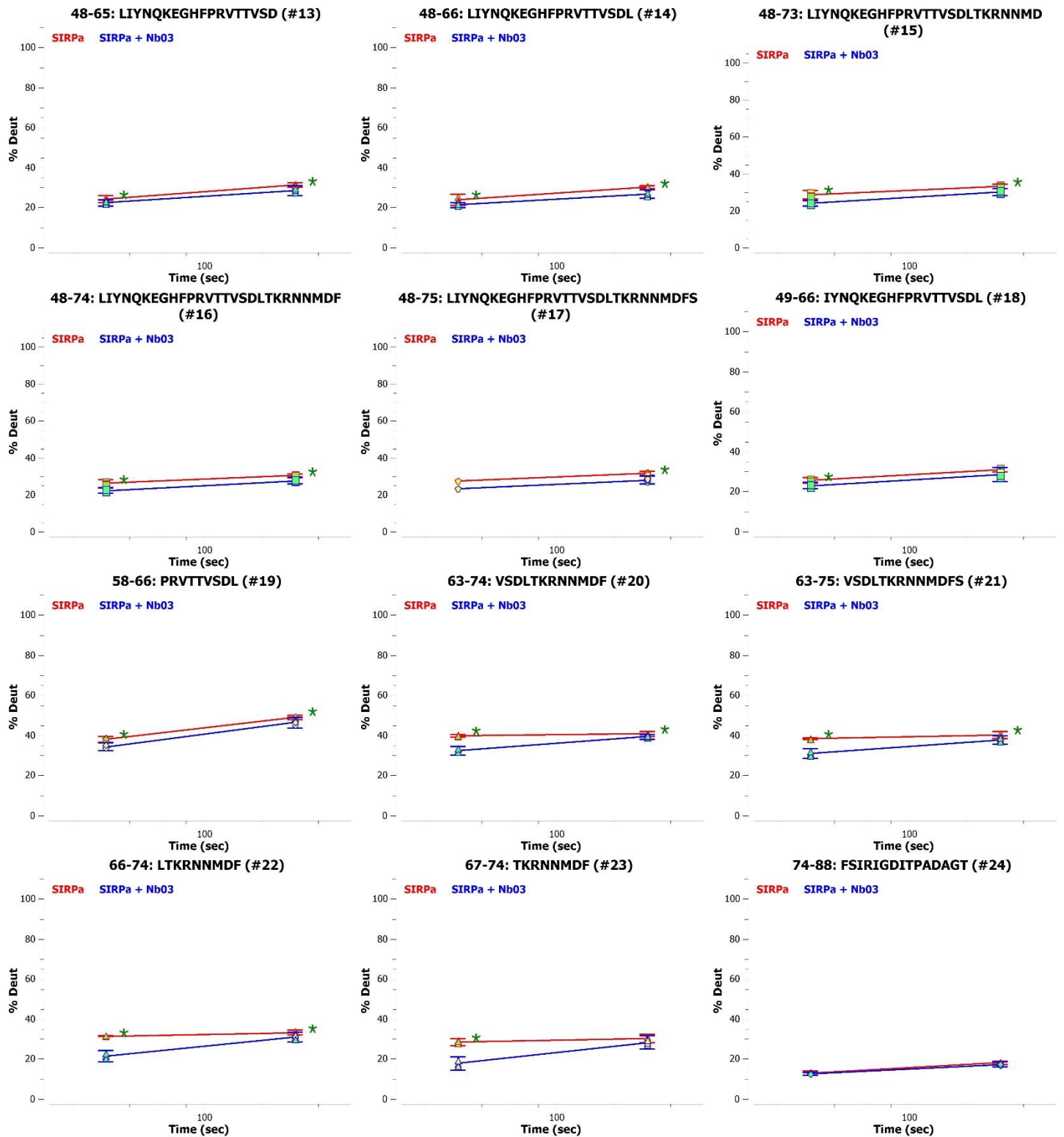
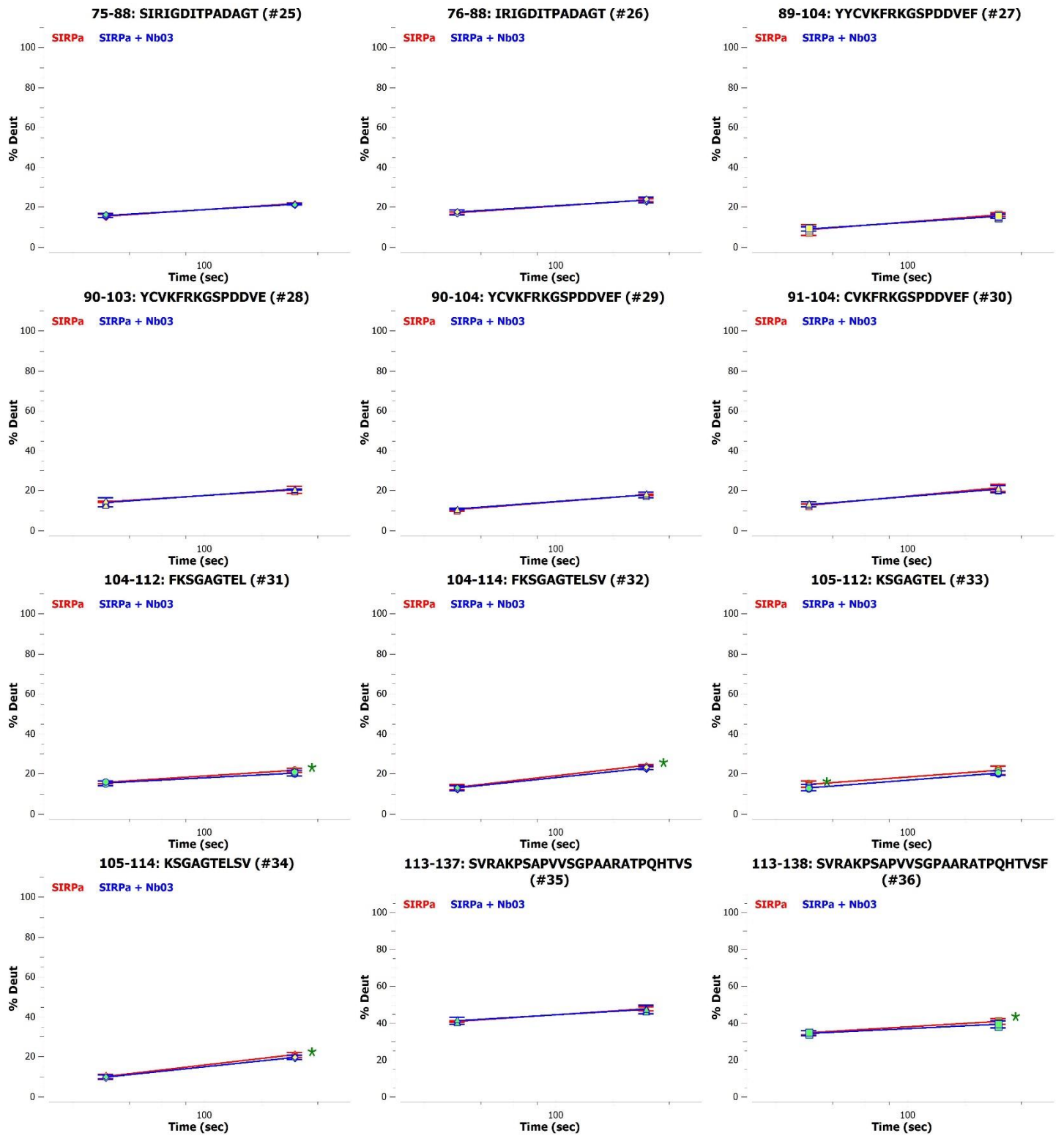


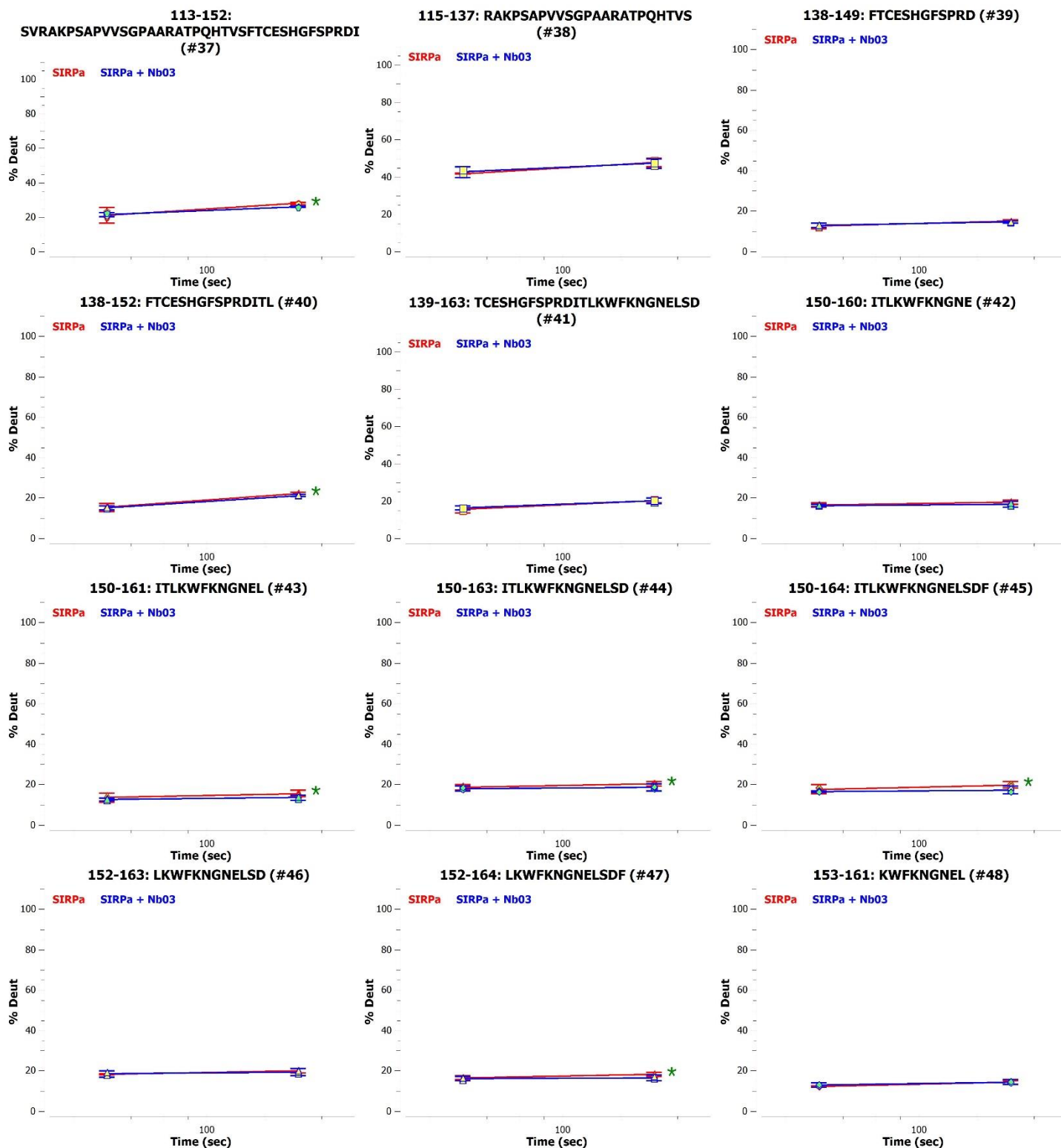
Figure A21. HDX uptake plots of peptic peptides of SIRP α alone and in presence of nanobody Nb02. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 30 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

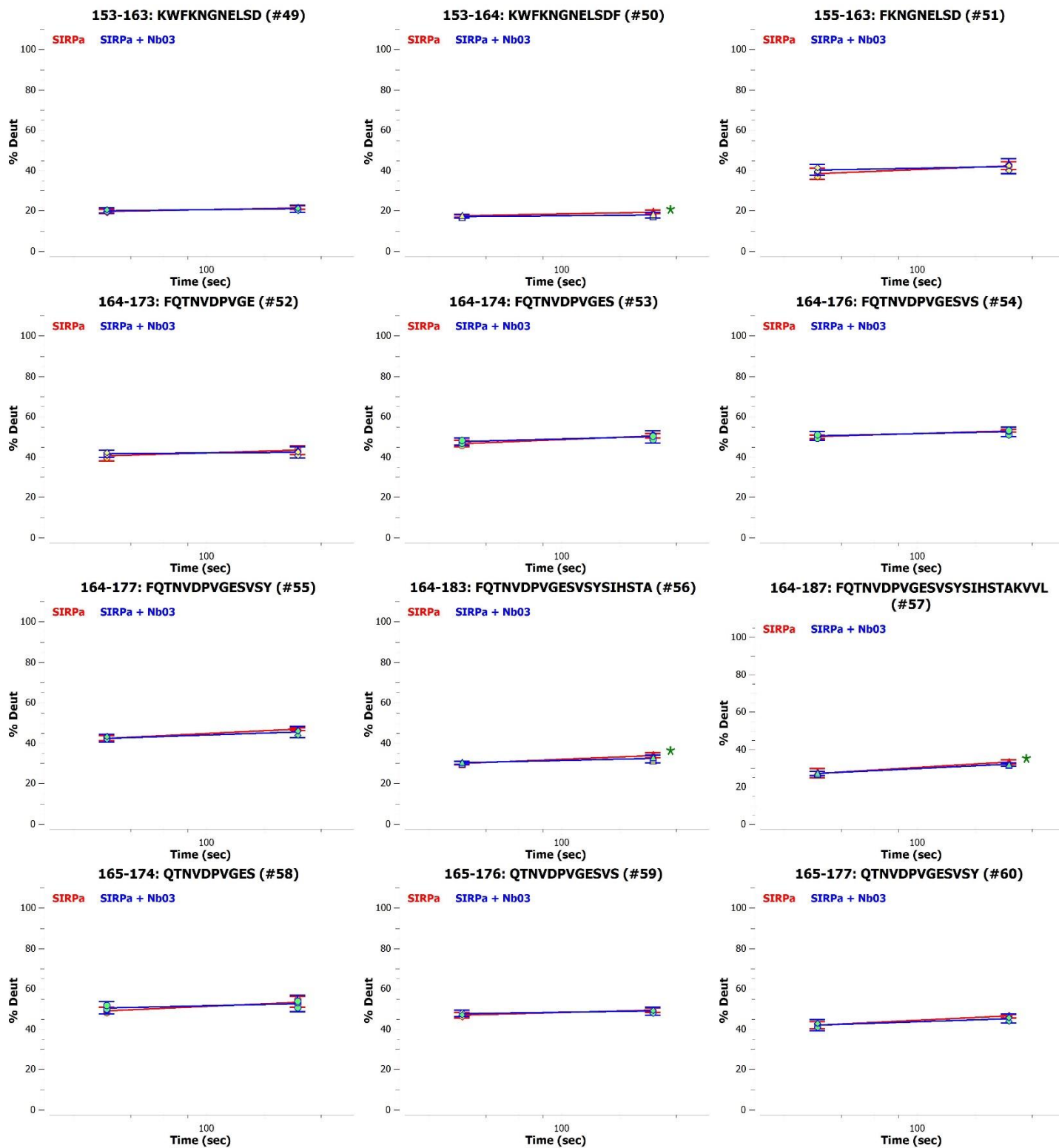
Appendix Figure A22

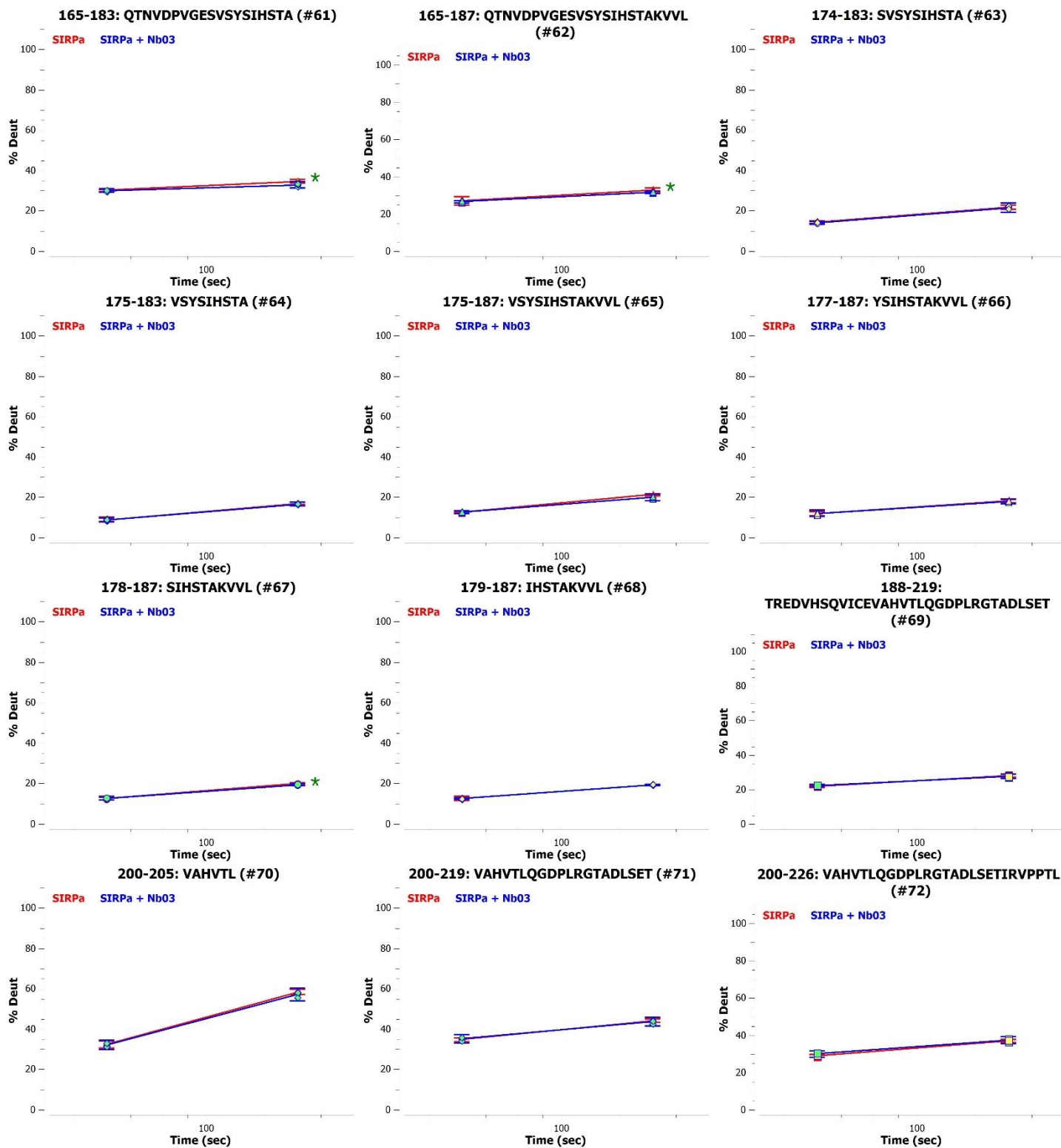


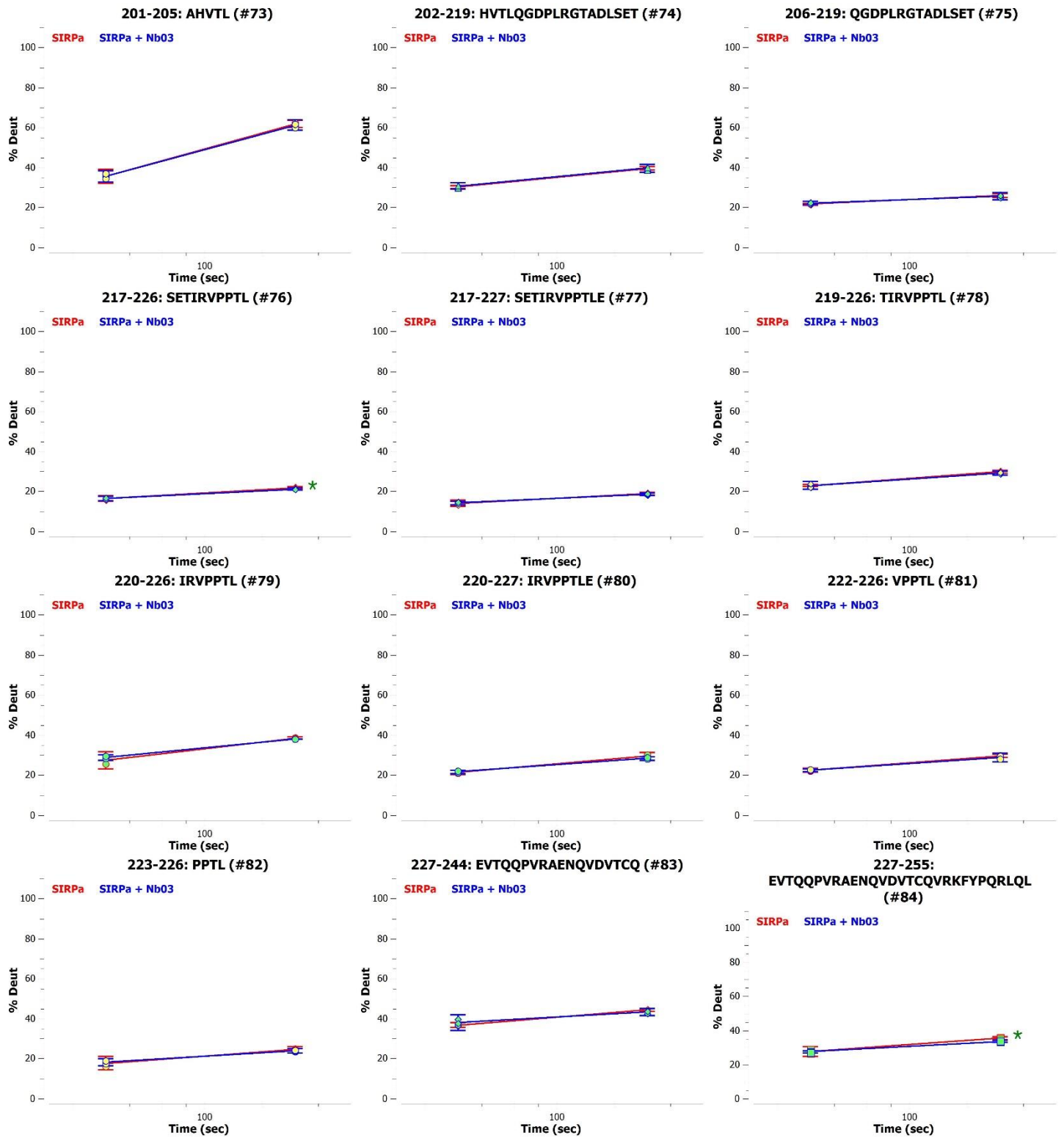


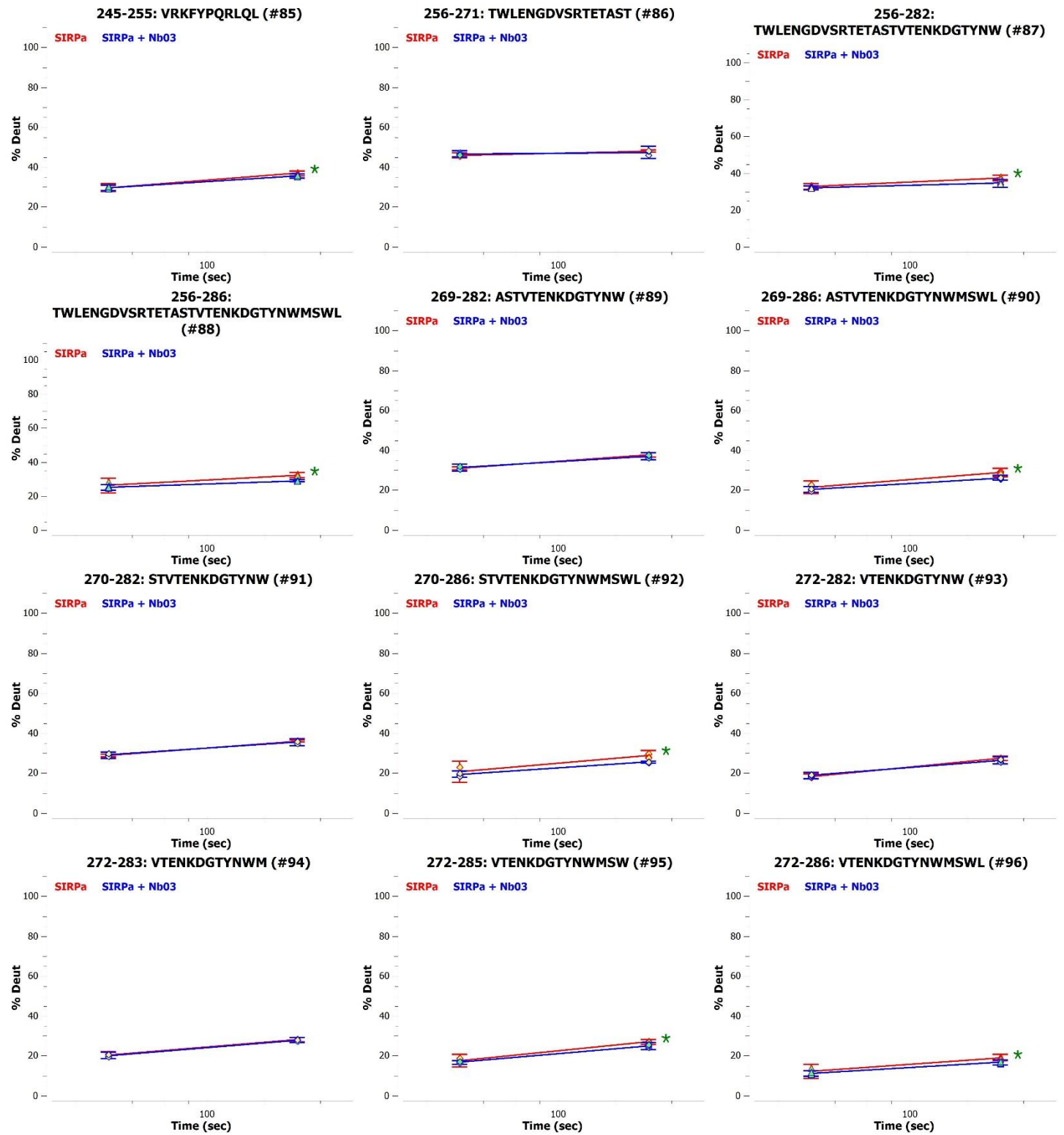












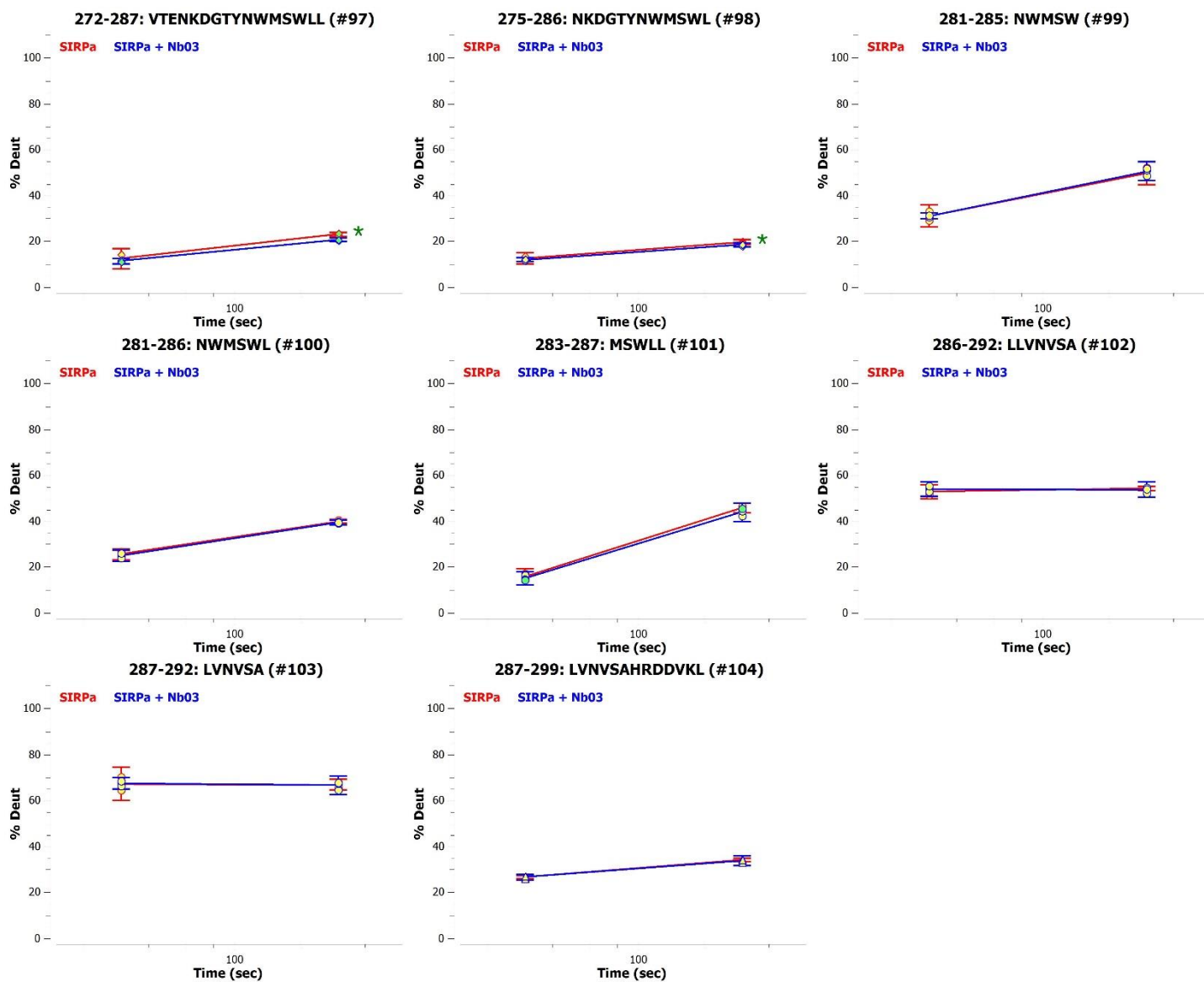
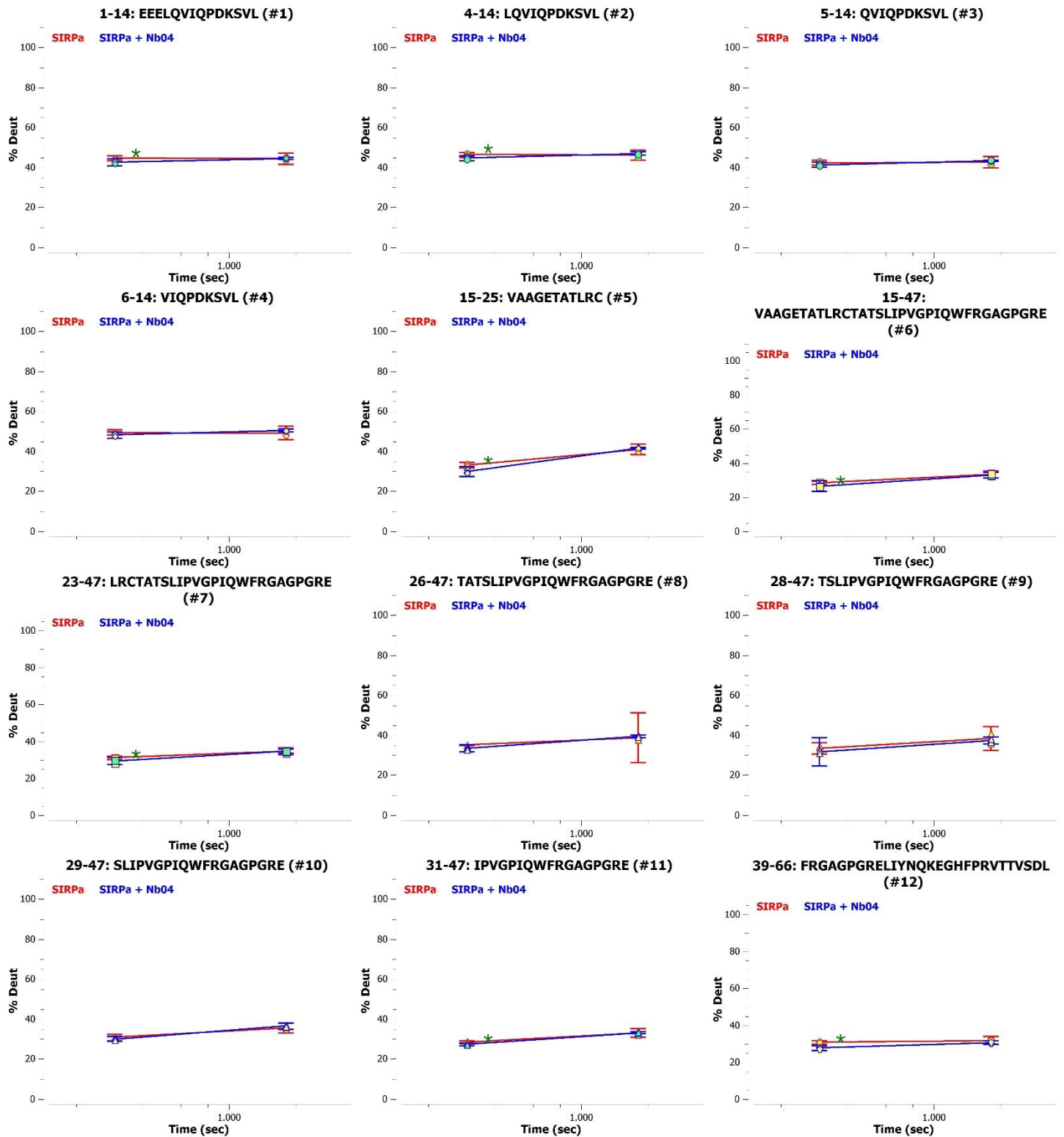
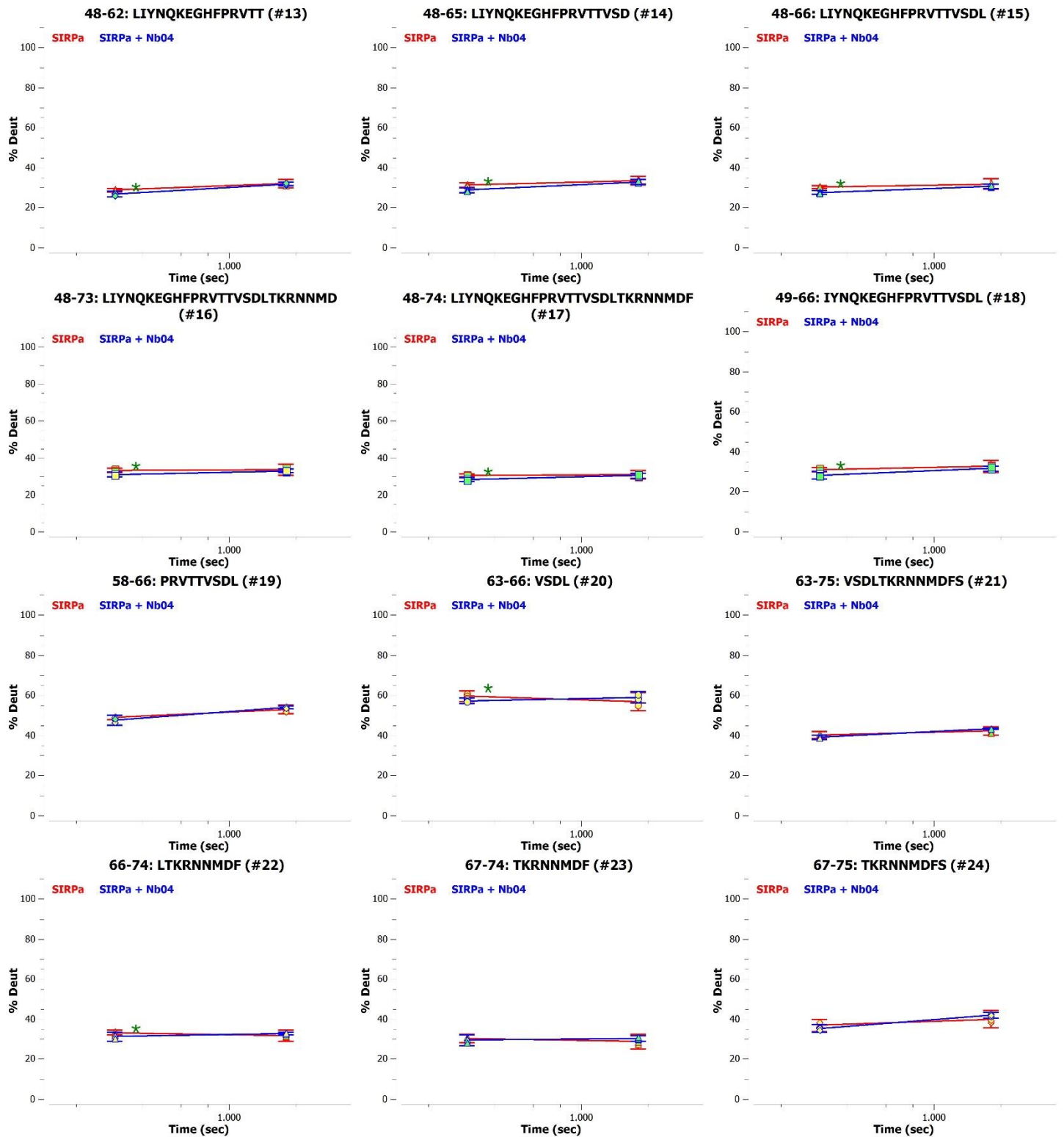
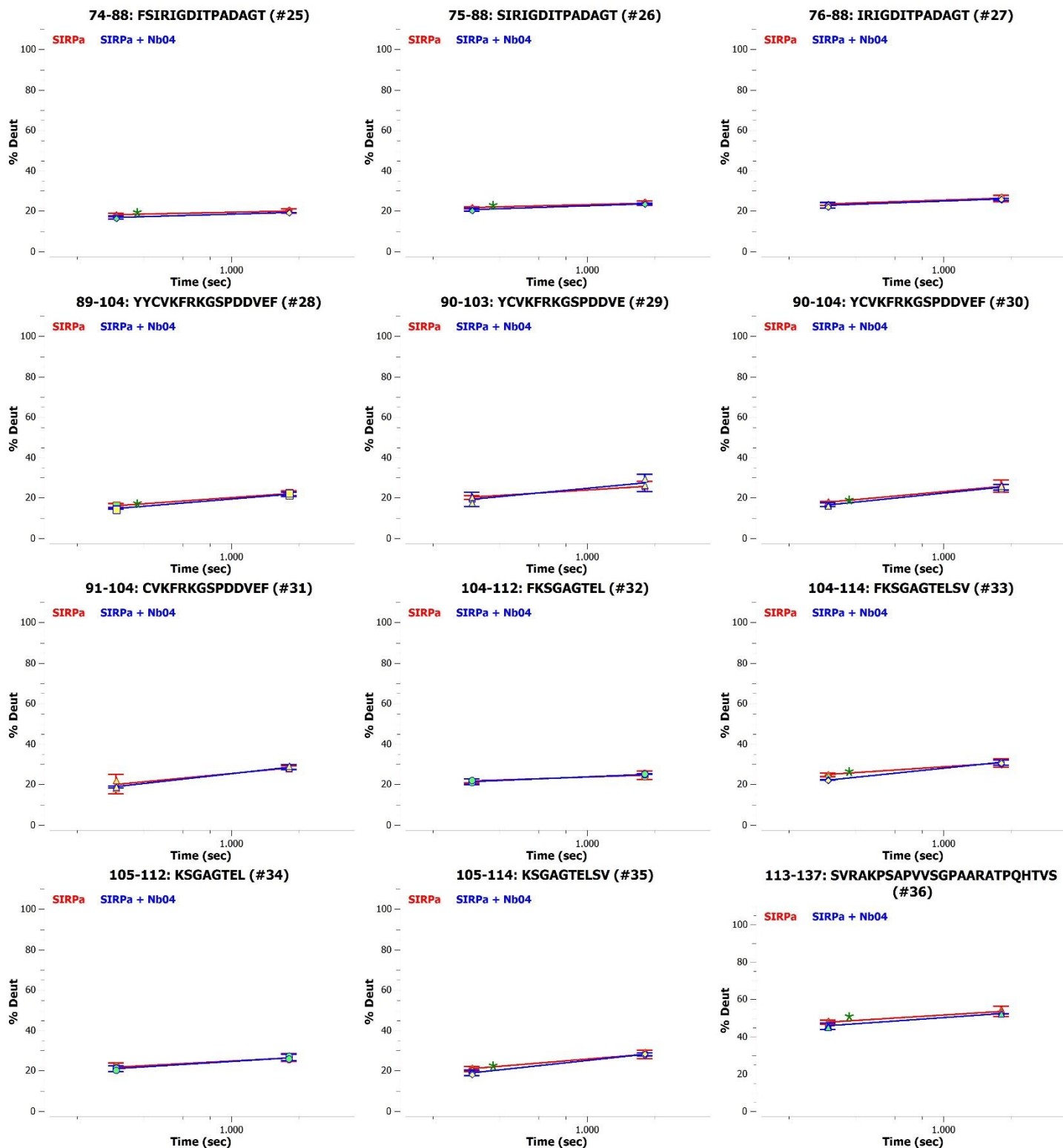


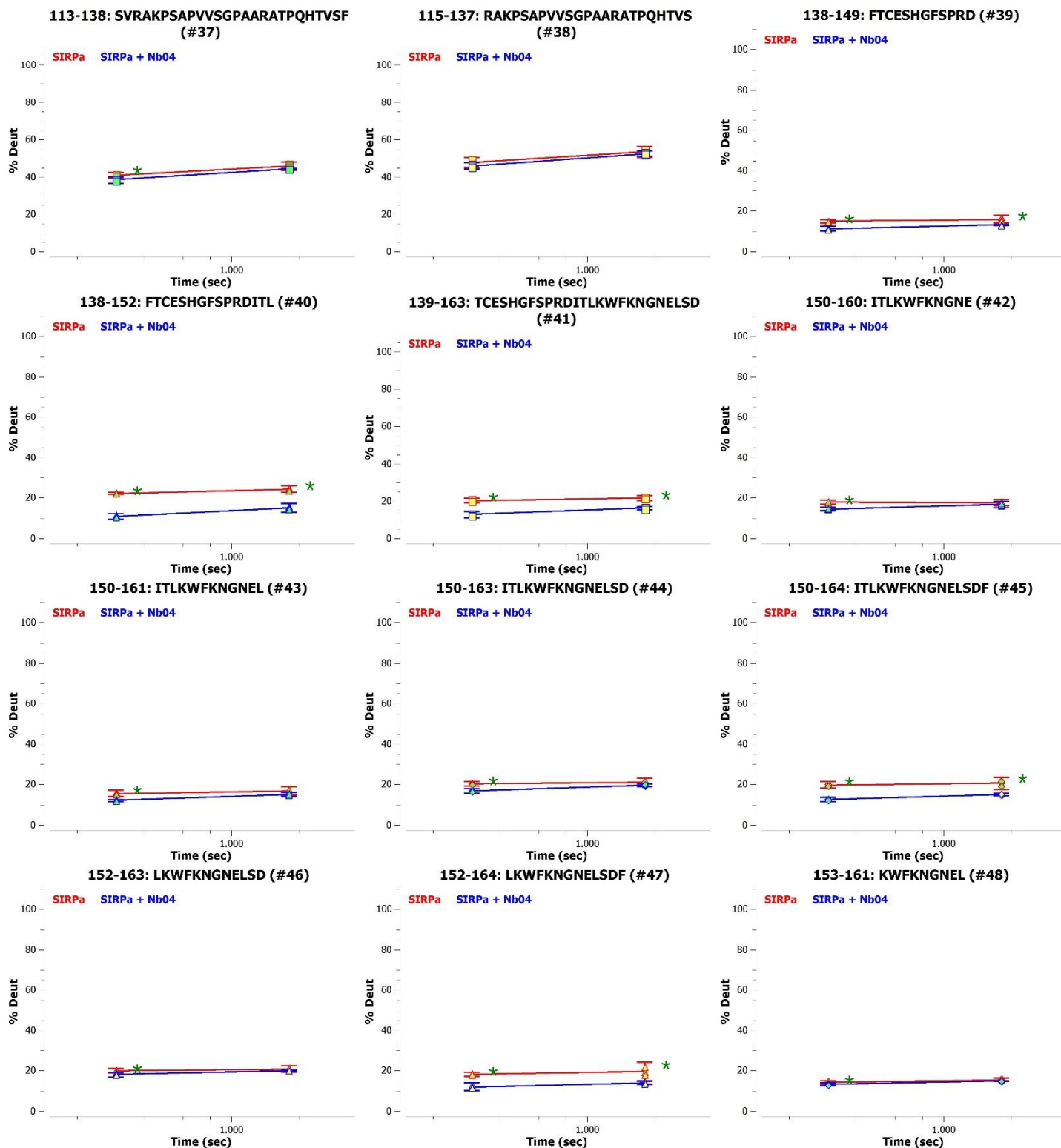
Figure A22. HDX uptake plots of peptic peptides of SIRP α alone and in presence of nanobody Nb03. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 0.5 and 5 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

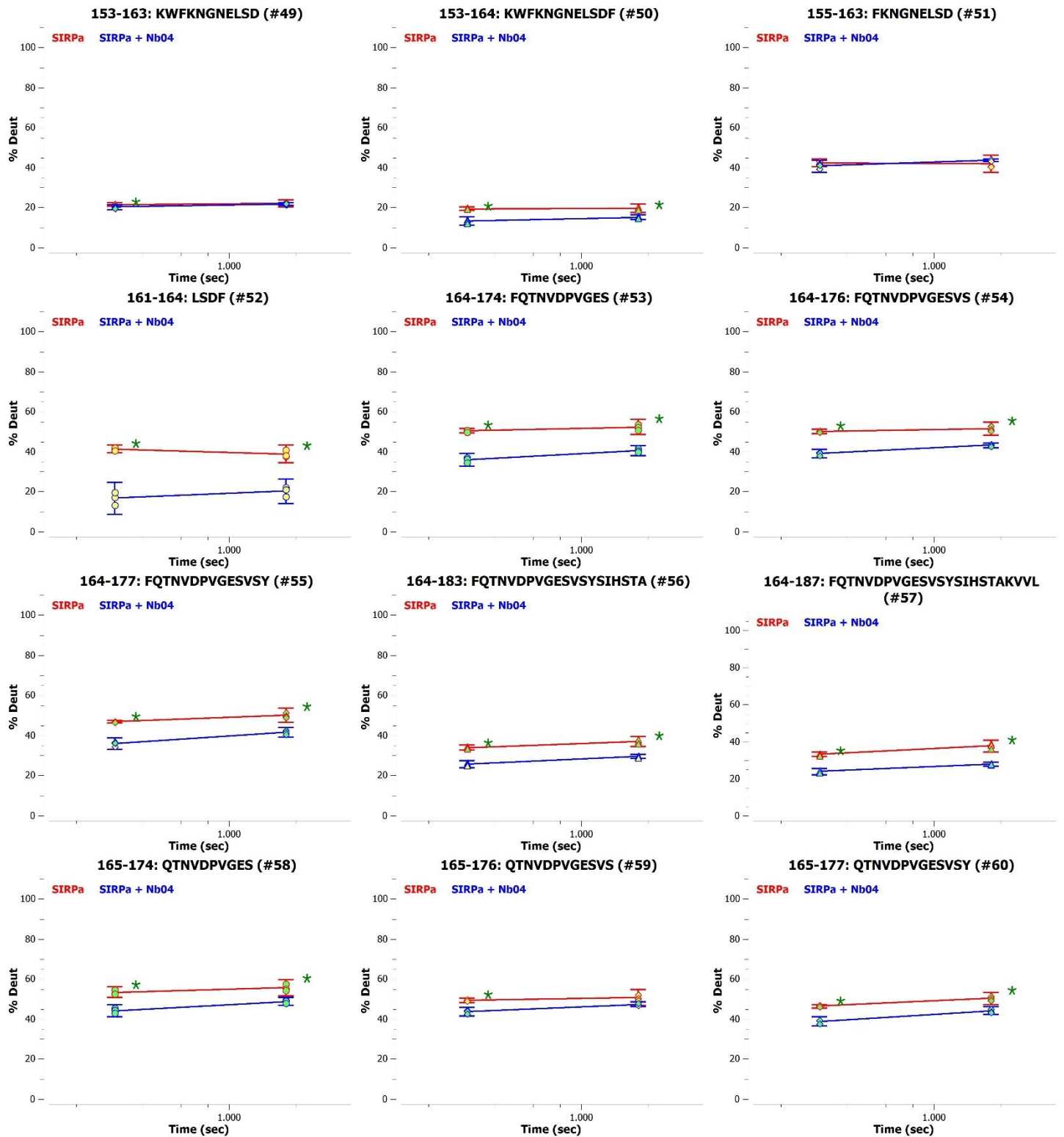
Appendix Figure A23

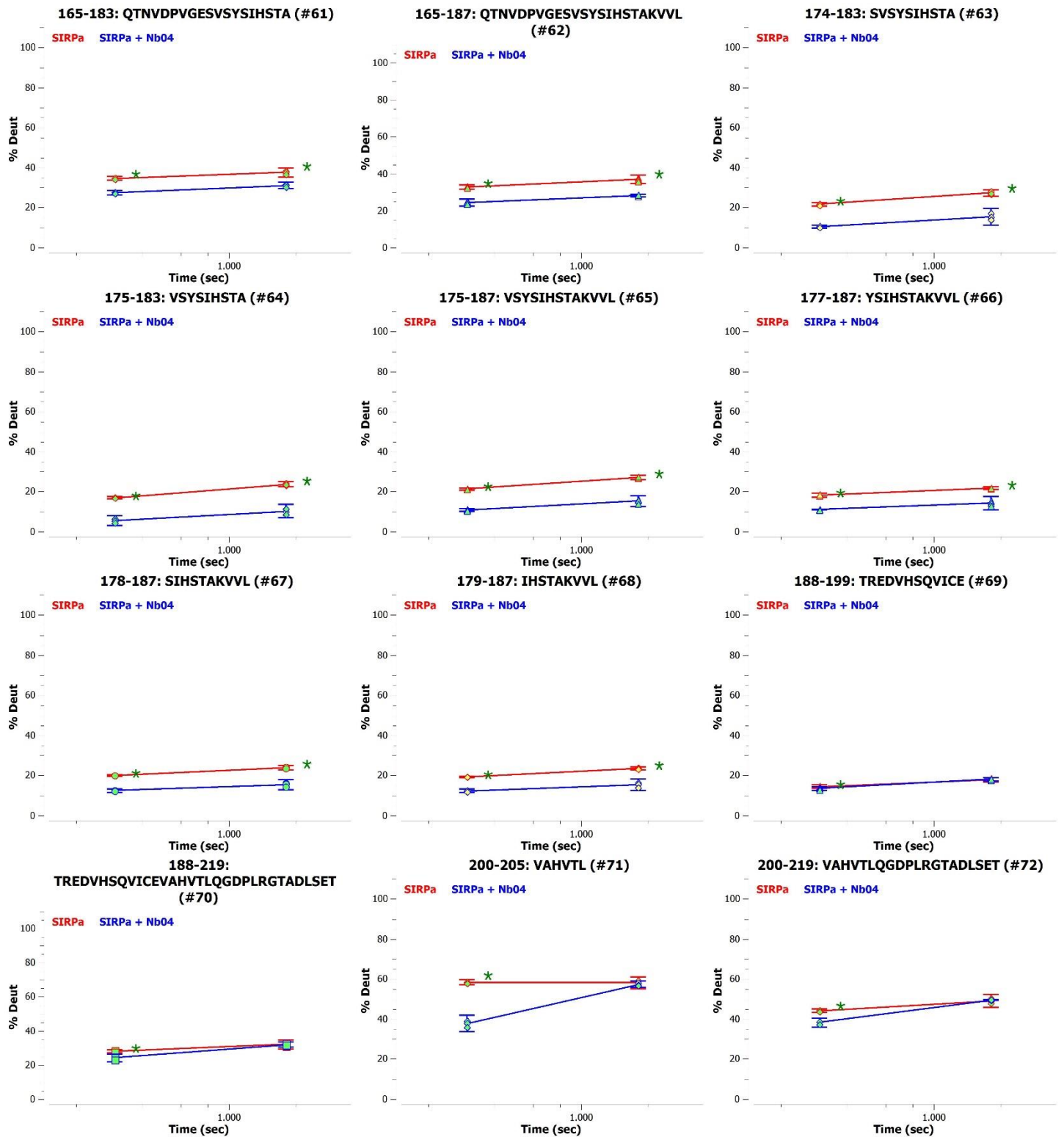


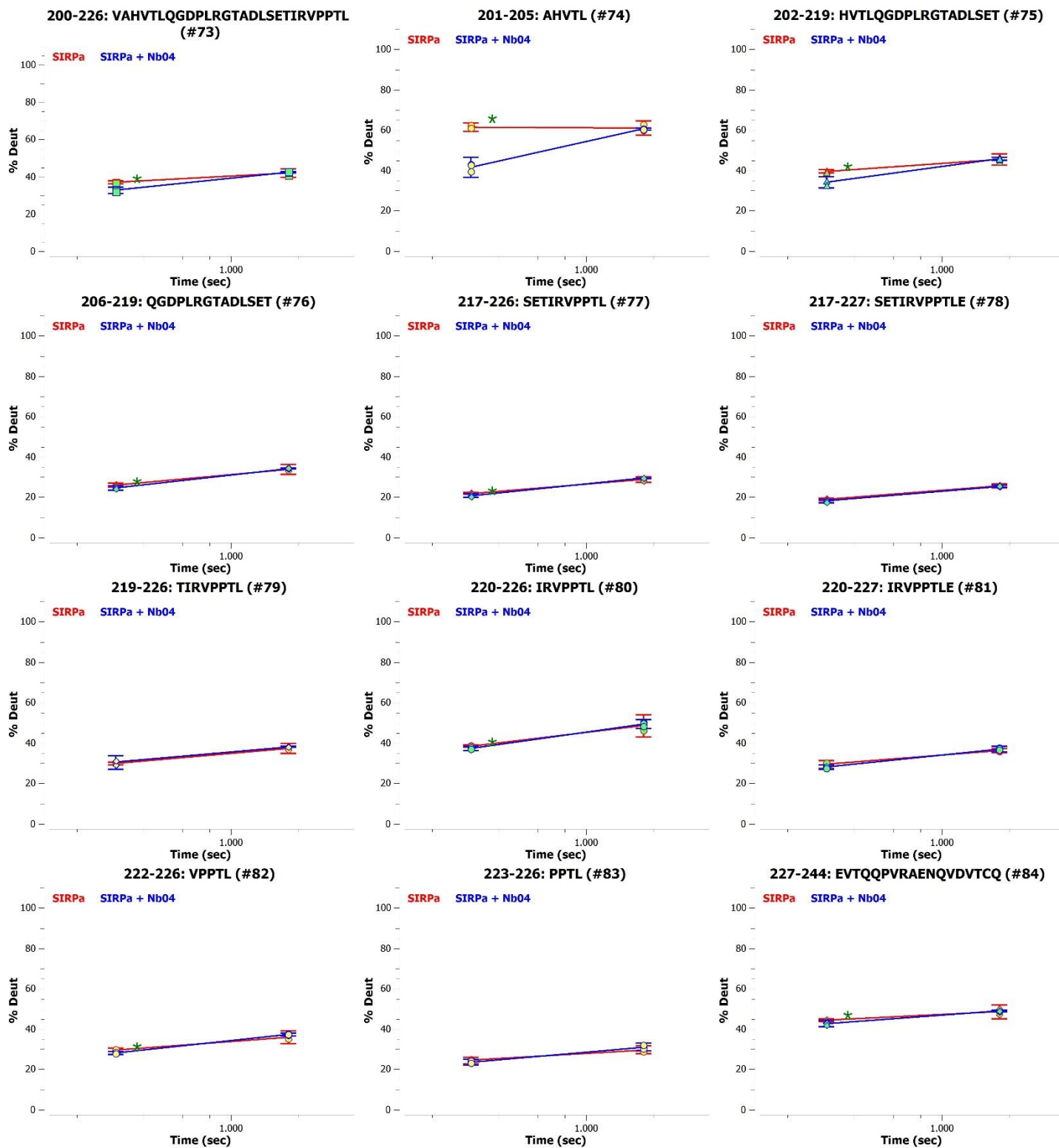


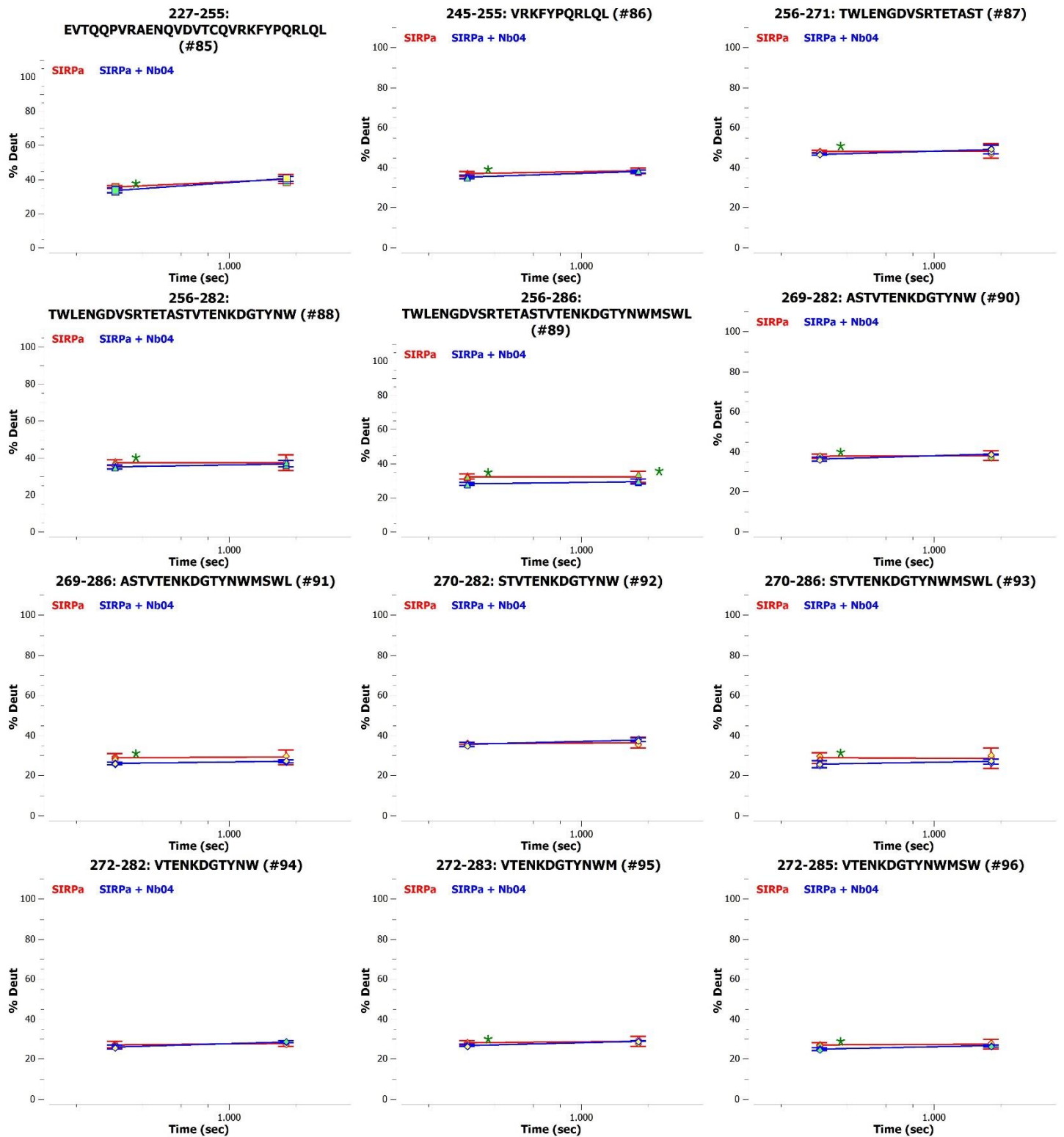












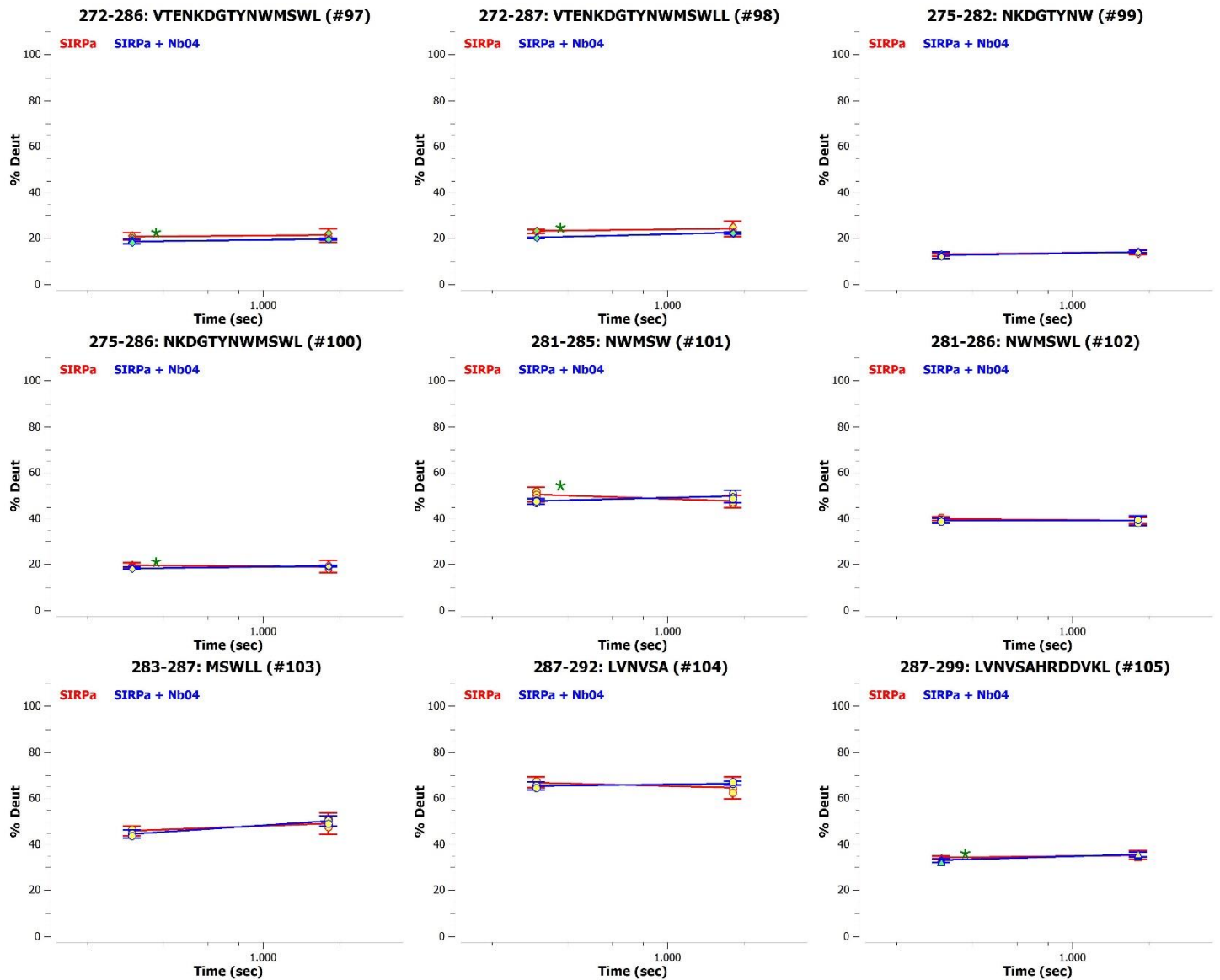


Figure A23. HDX uptake plots of peptic peptides of SIRP α alone and in presence of nanobody Nb04. Deuterium uptake of each peptide is normalised to the exchangeable amino acid residues (number of amino acids minus the first 2 N-terminal residues and proline). Labelling= 5 and 30 min. Error bars = significance interval on 95% confidence based on the measurement of independent technical triplicates. Significant difference on basis of the Student's t-test ($p \leq 0.05$) are marked with an asterisk.

Appendix Table A1

Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
1	14	EEELQVIQPKSVL	19.29	300	11	4.927	44.795	0.128	3	0.052	4.974	45.215	0.052	3	0.021	0.25765
1	14	EEELQVIQPKSVL	19.29	1800	11	4.894	44.491	0.307	3	0.124	5.021	45.643	0.231	3	0.093	0.234692
4	14	LQVIQPKSVL	18.26	300	8	3.723	46.544	0.099	3	0.04	3.785	47.309	0.068	3	0.027	0.101323
4	14	LQVIQPKSVL	18.26	1800	8	3.71	46.376	0.202	3	0.082	3.816	47.701	0.102	3	0.041	0.139098
5	14	QVIQPKSVL	15.48	300	7	2.98	42.578	0.08	3	0.032	3.036	43.368	0.073	3	0.029	0.0932751
5	14	QVIQPKSVL	15.48	1800	7	2.999	42.837	0.2	3	0.08	3.097	44.245	0.146	3	0.059	0.168105
6	14	VIQPKSVL	15.59	300	6	2.976	49.604	0.077	3	0.031	3.024	50.394	0.088	3	0.036	0.157669
6	14	VIQPKSVL	15.59	1800	6	2.954	49.237	0.206	3	0.083	3.055	50.91	0.167	3	0.067	0.18147
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	300	20	6.265	31.326	0.201	3	0.081	6.172	30.859	0.24	3	0.097	0.270062
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	1800	20	6.983	34.914	0.447	3	0.18	7.017	35.087	0.383	3	0.154	0.813072
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	300	17	6.063	35.663	0.156	3	0.063	6.067	35.69	0.148	3	0.06	0.93085
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	1800	17	6.719	39.521	0.626	3	0.252	6.8	40	0.178	3	0.072	0.637426
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	300	15	5.048	33.652	1.428	2	0.159	5.066	33.776	0.089	2	0.01	0.894039
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	1800	15	5.628	37.519	0.494	3	0.199	5.848	38.985	0.102	3	0.041	0.191406
29	47	SLIPVGPIQWFRGAGPGRE	21.14	300	14	4.355	31.109	0.223	3	0.09	4.453	31.808	0.115	3	0.046	0.193104
29	47	SLIPVGPIQWFRGAGPGRE	21.14	1800	14	5.01	35.783	0.36	3	0.145	5.157	36.836	0.323	3	0.13	0.261034
31	47	IPVGPIQWFRGAGPGRE	20.4	300	13	3.738	28.754	0.074	3	0.03	3.787	29.129	0.067	3	0.027	0.103811
31	47	IPVGPIQWFRGAGPGRE	20.4	1800	13	4.33	33.31	0.27	3	0.109	4.422	34.014	0.21	3	0.085	0.317171
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	300	24	7.409	30.869	0.222	3	0.089	7.3	30.418	0.268	3	0.108	0.253431
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	1800	24	7.634	31.807	0.544	3	0.219	7.714	32.143	0.446	3	0.179	0.648604
48	62	LIYNQKEGHFPRVTT	16.64	300	12	3.473	28.941	0.104	3	0.042	3.444	28.704	0.092	3	0.037	0.428758
48	62	LIYNQKEGHFPRVTT	16.64	1800	12	3.853	32.112	0.254	3	0.102	3.963	33.023	0.292	3	0.117	0.29206
48	65	LIYNQKEGHFPRVTTVSD	16.99	300	15	4.692	31.282	0.191	3	0.077	4.664	31.09	0.107	3	0.043	0.609142

Appendix Table A1

Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
48	65	LIYNQKEGHFPRVTVSD	16.99	1800	15	4.967	33.113	0.44	3	0.177	5.092	33.946	0.145	3	0.059	0.347532
48	66	LIYNQKEGHFPRVTVSDL	18.64	300	16	4.869	30.431	0.124	3	0.05	4.87	30.435	0.182	3	0.073	0.989518
48	66	LIYNQKEGHFPRVTVSDL	18.64	1800	16	5.107	31.918	0.436	3	0.176	5.156	32.227	0.296	3	0.119	0.710371
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	300	23	7.792	33.879	0.235	3	0.095	7.809	33.951	0.173	3	0.07	0.821272
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	1800	23	7.888	34.297	0.611	3	0.246	7.96	34.61	0.507	3	0.204	0.716677
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	300	24	7.381	30.754	0.184	3	0.074	7.392	30.801	0.189	3	0.076	0.8641
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	1800	24	7.446	31.026	0.55	3	0.221	7.597	31.656	0.432	3	0.174	0.407326
58	66	PRVTVSDL	15.4	300	7	3.432	49.032	0.072	3	0.029	3.454	49.346	0.135	3	0.054	0.579745
58	66	PRVTVSDL	15.4	1800	7	3.705	52.933	0.147	3	0.059	3.821	54.591	0.208	3	0.084	0.129401
63	66	VSDL	4.32	300	2	1.193	59.666	0.055	3	0.022	1.193	59.626	0.019	3	0.007	0.957213
63	66	VSDL	4.32	1800	2	1.137	56.841	0.094	3	0.038	1.171	58.568	0.07	3	0.028	0.278218
63	74	VSDLTKRNNMDF	16.58	300	10	4.086	40.86	0.14	3	0.056	4.2	42.003	0.141	3	0.057	0.0688361
63	74	VSDLTKRNNMDF	16.58	1800	10	3.98	39.8	0.23	3	0.093	4.151	41.506	0.209	3	0.084	0.0778193
63	75	VSDLTKRNNMDFS	15.53	300	11	4.441	40.369	0.193	3	0.078	4.529	41.17	0.159	3	0.064	0.2067
63	75	VSDLTKRNNMDFS	15.53	1800	11	4.662	42.383	0.245	3	0.099	4.81	43.73	0.217	3	0.087	0.12472
66	74	LTKRNNMDF	13.6	300	7	2.33	33.285	0.084	3	0.034	2.364	33.771	0.136	3	0.055	0.421127
66	74	LTKRNNMDF	13.6	1800	7	2.229	31.844	0.192	3	0.077	2.381	34.016	0.135	3	0.054	0.0561333
67	74	TKRNNMDF	11.2	300	6	1.816	30.26	0.128	3	0.051	1.888	31.471	0.065	3	0.026	0.117894
67	74	TKRNNMDF	11.2	1800	6	1.735	28.913	0.22	3	0.089	1.913	31.889	0.114	3	0.046	0.0531407
67	75	TKRNNMDFS	7.46	300	7	2.588	36.966	0.214	3	0.086	2.605	37.218	0.092	3	0.037	0.767937
67	75	TKRNNMDFS	7.46	1800	7	2.818	40.253	0.295	3	0.119	3.032	43.313	0.169	3	0.068	0.0687158
89	104	YYCVKFRKGGSPDDVEF	18.99	300	13	2.125	16.345	0.124	3	0.05	2.168	16.679	0.153	3	0.062	0.399373
89	104	YYCVKFRKGGSPDDVEF	18.99	1800	13	2.92	22.46	0.177	3	0.071	2.979	22.914	0.184	3	0.074	0.374996
91	104	CVKFRKGGSPDDVEF	17.01	300	11	2.392	21.749	0.151	3	0.061	2.399	21.805	0.214	3	0.086	0.924909
91	104	CVKFRKGGSPDDVEF	17.01	1800	11	3.172	28.833	0.095	3	0.038	3.322	30.198	0.141	3	0.057	0.0243704
104	112	FKSGAGTEL	12.68	300	7	1.533	21.895	0.082	3	0.033	1.569	22.421	0.069	3	0.028	0.21622

Appendix Table A1

Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
104	112	FKSGAGTEL	12.68	1800	7	1.731	24.723	0.147	3	0.059	1.821	26.016	0.091	3	0.036	0.101161
104	114	FKSGAGTELSV	16.17	300	9	2.245	24.941	0.087	3	0.035	2.273	25.251	0.204	3	0.082	0.629252
104	114	FKSGAGTELSV	16.17	1800	9	2.768	30.757	0.179	3	0.072	2.85	31.669	0.138	3	0.056	0.197528
105	112	KSGAGTEL	3.6	300	6	1.315	21.919	0.131	3	0.053	1.368	22.803	0.117	3	0.047	0.264579
105	112	KSGAGTEL	3.6	1800	6	1.593	26.544	0.117	3	0.047	1.633	27.222	0.107	3	0.043	0.33051
105	114	KSGAGTELSV	12.89	300	8	1.684	21.055	0.106	3	0.043	1.652	20.647	0.197	3	0.079	0.573853
105	114	KSGAGTELSV	12.89	1800	8	2.263	28.284	0.159	3	0.064	2.334	29.174	0.125	3	0.05	0.20854
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	300	19	9.126	48.033	0.211	3	0.085	9.225	48.554	0.191	3	0.077	0.210696
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	1800	19	10.194	53.655	0.556	3	0.224	10.48	55.156	0.433	3	0.174	0.160797
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	300	20	8.221	41.103	0.287	3	0.115	8.273	41.367	0.148	3	0.06	0.531096
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	1800	20	9.212	46.061	0.461	3	0.186	9.411	47.053	0.448	3	0.18	0.254725
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	300	17	8.153	47.958	0.382	3	0.154	8.148	47.928	0.303	3	0.122	0.966237
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	1800	17	9.089	53.467	0.489	3	0.197	8.858	52.107	0.619	3	0.249	0.278822
138	149	FTCESHGFSPRD	15.42	300	9	1.361	15.124	0.078	3	0.031	1.367	15.185	0.218	3	0.088	0.927264
138	149	FTCESHGFSPRD	15.42	1800	9	1.442	16.024	0.175	3	0.071	1.426	15.844	0.108	3	0.044	0.754613
138	152	FTCESHGFSPRDITL	19.78	300	12	2.685	22.374	0.063	3	0.025	2.694	22.449	0.061	3	0.024	0.67967
138	152	FTCESHGFSPRDITL	19.78	1800	12	2.949	24.579	0.183	3	0.074	2.965	24.708	0.195	3	0.078	0.815318
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	300	22	4.504	20.473	0.309	3	0.124	4.603	20.924	0.405	3	0.163	0.452169
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	1800	22	4.913	22.331	0.751	3	0.302	4.824	21.926	0.416	3	0.167	0.684546
150	160	ITLKWFKNGNE	19.21	300	9	1.618	17.978	0.102	3	0.041	1.635	18.17	0.048	3	0.019	0.559648
150	160	ITLKWFKNGNE	19.21	1800	9	1.604	17.823	0.14	3	0.056	1.667	18.52	0.067	3	0.027	0.183864
150	161	ITLKWFKNGNEL	20.05	300	10	1.574	15.735	0.144	3	0.058	1.585	15.848	0.106	3	0.043	0.800493
150	161	ITLKWFKNGNEL	20.05	1800	10	1.689	16.886	0.218	3	0.088	1.713	17.134	0.099	3	0.04	0.688291
150	163	ITLKWFKNGNELSD	19.56	300	12	2.452	20.436	0.116	3	0.047	2.533	21.108	0.2	3	0.08	0.224264
150	163	ITLKWFKNGNELSD	19.56	1800	12	2.549	21.244	0.286	3	0.115	2.601	21.678	0.201	3	0.081	0.559959
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.582	19.861	0.2	3	0.08	2.582	19.864	0.094	3	0.038	0.996326

Appendix Table A1

Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
150	164	ITLKWFKNGNELSDF	20.74	1800	13	2.7	20.773	0.38	3	0.153	2.641	20.316	0.09	3	0.036	0.574151
152	163	LKWFKNGNELSD	18.17	300	10	2.012	20.116	0.106	3	0.043	1.958	19.582	0.125	3	0.05	0.234651
152	163	LKWFKNGNELSD	18.17	1800	10	2.143	21.43	0.177	3	0.071	2.189	21.887	0.131	3	0.053	0.425721
152	164	LKWFKNGNELSDF	20.17	300	11	2.013	18.298	0.117	3	0.047	2.057	18.697	0.05	3	0.02	0.244709
152	164	LKWFKNGNELSDF	20.17	1800	11	2.13	19.365	0.383	3	0.154	2.132	19.385	0.119	3	0.048	0.982731
153	161	KWFKNGNEL	17.1	300	7	1.011	14.444	0.058	3	0.023	1.029	14.705	0.032	3	0.013	0.319279
153	161	KWFKNGNEL	17.1	1800	7	1.116	15.938	0.109	3	0.044	1.158	16.54	0.072	3	0.029	0.247837
153	163	KWFKNGNELSD	15.89	300	9	1.945	21.613	0.079	3	0.032	2.005	22.274	0.067	3	0.027	0.0703288
153	163	KWFKNGNELSD	15.89	1800	9	2.003	22.259	0.159	3	0.064	2.096	23.286	0.203	3	0.082	0.202422
153	164	KWFKNGNELSDF	19.44	300	10	2.029	20.287	0.115	3	0.046	2.023	20.228	0.077	3	0.031	0.864807
153	164	KWFKNGNELSDF	19.44	1800	10	2.062	20.616	0.212	3	0.085	2.112	21.124	0.176	3	0.071	0.472858
155	163	FKNGNELSD	6.09	300	7	2.982	42.599	0.128	3	0.051	3.068	43.823	0.07	3	0.028	0.0828952
155	163	FKNGNELSD	6.09	1800	7	2.935	41.932	0.297	3	0.119	3.135	44.79	0.195	3	0.079	0.0824677
161	164	LSDF	13.91	300	2	0.83	41.483	0.038	3	0.015	0.838	41.882	0.05	3	0.02	0.614264
161	164	LSDF	13.91	1800	2	0.781	39.041	0.087	3	0.035	0.826	41.287	0.094	3	0.038	0.205334
164	173	FQTNVDPVGE	15.84	300	7	3.089	44.125	0.049	3	0.02	3.085	44.076	0.153	3	0.062	0.933921
164	173	FQTNVDPVGE	15.84	1800	7	3.231	46.151	0.161	3	0.065	3.33	47.572	0.179	3	0.072	0.15041
164	174	FQTNVDPVGES	15.57	300	8	4.041	50.512	0.086	3	0.035	4.113	51.409	0.102	3	0.041	0.0829852
164	174	FQTNVDPVGES	15.57	1800	8	4.198	52.469	0.296	3	0.119	4.356	54.453	0.276	3	0.111	0.166887
164	176	FQTNVDPVGESVS	16.73	300	10	5.037	50.365	0.103	3	0.042	5.082	50.824	0.05	3	0.02	0.187236
164	176	FQTNVDPVGESVS	16.73	1800	10	5.154	51.544	0.326	3	0.131	5.325	53.254	0.303	3	0.122	0.173914
164	177	FQTNVDPVGESVSY	18.66	300	11	5.162	46.924	0.074	3	0.03	5.275	47.951	0.096	3	0.039	0.0180202
164	177	FQTNVDPVGESVSY	18.66	1800	11	5.528	50.251	0.378	3	0.152	5.765	52.405	0.371	3	0.149	0.126366
164	183	FQTNVDPVGESVSYHSTA	19.05	300	17	5.795	34.089	0.189	3	0.076	5.863	34.487	0.138	3	0.056	0.287879
164	183	FQTNVDPVGESVSYHSTA	19.05	1800	17	6.52	38.356	1.014	3	0.408	6.438	37.868	0.325	3	0.131	0.764612
164	187	FQTNVDPVGESVSYHSTAKVVL	20.32	300	21	6.99	33.284	0.265	3	0.107	7.11	33.859	0.293	3	0.118	0.259242

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Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	1800	21	7.915	37.69	0.684	3	0.275	7.881	37.527	0.56	3	0.226	0.876564
165	174	QTNVDPVGES	7.07	300	7	3.746	53.517	0.185	3	0.074	3.782	54.033	0.071	3	0.029	0.499163
165	174	QTNVDPVGES	7.07	1800	7	3.903	55.762	0.291	3	0.117	4.098	58.548	0.272	3	0.11	0.103446
165	176	QTNVDPVGESVS	13.71	300	9	4.455	49.495	0.098	3	0.039	4.507	50.074	0.111	3	0.045	0.204005
165	176	QTNVDPVGESVS	13.71	1800	9	4.58	50.89	0.35	3	0.141	4.768	52.976	0.275	3	0.111	0.147577
165	177	QTNVDPVGESVSY	17.17	300	10	4.66	46.596	0.087	3	0.035	4.742	47.416	0.154	3	0.062	0.135453
165	177	QTNVDPVGESVSY	17.17	1800	10	5.052	50.517	0.306	3	0.123	5.225	52.25	0.296	3	0.119	0.154863
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.554	34.711	0.147	3	0.059	5.588	34.927	0.21	3	0.084	0.596252
165	183	QTNVDPVGESVSYSIHSTA	18.32	1800	16	6.046	37.788	0.361	3	0.145	6.116	38.226	0.267	3	0.107	0.541409
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.599	32.993	0.214	3	0.086	6.696	33.48	0.191	3	0.077	0.218739
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	1800	20	7.423	37.117	0.477	3	0.192	7.397	36.985	0.501	3	0.202	0.877053
175	183	VSYIHSTA	12.57	300	7	1.193	17.042	0.034	3	0.014	1.219	17.411	0.054	3	0.022	0.169808
175	183	VSYIHSTA	12.57	1800	7	1.669	23.843	0.079	3	0.032	1.704	24.348	0.051	3	0.021	0.192311
175	187	VSYIHSTAKVVL	17.59	300	11	2.357	21.431	0.048	3	0.019	2.311	21.009	0.146	3	0.059	0.304585
175	187	VSYIHSTAKVVL	17.59	1800	11	3.04	27.637	0.098	3	0.039	3.066	27.869	0.29	3	0.117	0.747867
177	187	YSIHSTAKVVL	16.72	300	9	1.658	18.421	0.091	3	0.037	1.706	18.957	0.054	3	0.022	0.137694
177	187	YSIHSTAKVVL	16.72	1800	9	1.968	21.864	0.062	3	0.025	2.046	22.734	0.091	3	0.037	0.0444814
178	187	SIHSTAKVVL	13.67	300	8	1.593	19.907	0.046	3	0.019	1.618	20.224	0.077	3	0.031	0.303128
178	187	SIHSTAKVVL	13.67	1800	8	1.913	23.916	0.129	3	0.052	1.951	24.385	0.107	3	0.043	0.392377
179	187	IHSTAKVVL	13.75	300	7	1.368	19.536	0.019	3	0.008	1.407	20.096	0.05	3	0.02	0.0627904
179	187	IHSTAKVVL	13.75	1800	7	1.72	24.568	0.317	3	0.128	1.716	24.516	0.041	3	0.017	0.965338
188	199	TREDVHSQVICE	11.82	300	10	1.474	14.743	0.108	3	0.043	1.494	14.945	0.062	3	0.025	0.533051
188	199	TREDVHSQVICE	11.82	1800	10	1.812	18.123	0.164	3	0.066	1.908	19.078	0.086	3	0.035	0.112655
200	205	VAHVTL	13.3	300	4	2.339	58.463	0.052	3	0.021	2.338	58.441	0.147	2	0.016	0.962196
200	205	VAHVTL	13.3	1800	4	2.329	58.237	0.116	3	0.047	2.368	59.208	0.124	3	0.05	0.381651
201	205	AHVTL	13.38	300	3	1.859	61.977	0.051	3	0.021	1.879	62.632	0.019	3	0.008	0.235306

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					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
201	205	AHVTL	13.38	1800	3	1.844	61.459	0.103	3	0.041	1.895	63.175	0.088	3	0.035	0.17794
217	226	SETIRVPPTL	17.59	300	6	1.321	22.021	0.032	3	0.013	1.328	22.13	0.044	3	0.018	0.637114
217	226	SETIRVPPTL	17.59	1800	6	1.745	29.083	0.091	3	0.037	1.796	29.933	0.068	3	0.027	0.130411
217	227	SETIRVPPTLE	17.16	300	7	1.329	18.983	0.049	3	0.02	1.339	19.122	0.04	3	0.016	0.542206
217	227	SETIRVPPTLE	17.16	1800	7	1.798	25.679	0.025	3	0.01	1.83	26.147	0.031	3	0.013	0.0266797
219	226	TIRVPPTL	16.83	300	4	1.206	30.152	0.029	3	0.012	1.224	30.591	0.008	3	0.003	0.110963
219	226	TIRVPPTL	16.83	1800	4	1.504	37.59	0.097	3	0.039	1.53	38.255	0.105	3	0.042	0.467945
220	226	IRVPPTL	16.04	300	3	1.158	38.612	0.016	3	0.006	1.169	38.951	0.059	3	0.024	0.536309
220	226	IRVPPTL	16.04	1800	3	1.475	49.174	0.108	3	0.044	1.518	50.585	0.057	3	0.023	0.232051
220	227	IRVPPTLE	15.46	300	4	1.182	29.538	0.079	3	0.032	1.182	29.539	0.052	3	0.021	1.00055
220	227	IRVPPTLE	15.46	1800	4	1.457	36.424	0.044	3	0.018	1.493	37.318	0.103	3	0.041	0.271891
222	226	VPPTL	16.11	300	2	0.596	29.815	0.016	3	0.006	0.602	30.084	0.018	3	0.007	0.387366
222	226	VPPTL	16.11	1800	2	0.723	36.169	0.065	3	0.026	0.748	37.409	0.062	3	0.025	0.298668
245	255	VRKFYPQRLQL	18	300	8	2.958	36.974	0.095	3	0.038	2.942	36.776	0.059	3	0.024	0.579795
245	255	VRKFYPQRLQL	18	1800	8	3.073	38.416	0.112	3	0.045	3.111	38.893	0.083	3	0.034	0.310576
269	282	ASTVTENKDGTYNW	18.1	300	12	4.534	37.785	0.123	3	0.05	4.599	38.326	0.119	3	0.048	0.178311
269	282	ASTVTENKDGTYNW	18.1	1800	12	4.575	38.122	0.286	3	0.115	4.718	39.319	0.22	3	0.089	0.167105
269	286	ASTVTENKDGTYNWMSWL	22.41	300	16	4.639	28.993	0.318	3	0.128	4.538	28.365	0.177	3	0.071	0.317047
269	286	ASTVTENKDGTYNWMSWL	22.41	1800	16	4.677	29.23	0.605	3	0.244	4.536	28.348	0.184	3	0.074	0.424635
270	282	STVTENKDGTYNW	18	300	11	3.981	36.193	0.07	3	0.028	4.067	36.969	0.135	3	0.054	0.0951092
270	282	STVTENKDGTYNW	18	1800	11	4.05	36.814	0.219	3	0.088	4.163	37.849	0.16	3	0.064	0.15137
270	286	STVTENKDGTYNWMSWL	22.44	300	15	4.347	28.979	0.376	3	0.151	4.22	28.132	0.184	3	0.074	0.285076
270	286	STVTENKDGTYNWMSWL	22.44	1800	15	4.349	28.995	0.64	3	0.258	4.173	27.823	0.148	3	0.059	0.358881
272	282	VTENKDGTYNW	17.74	300	9	2.465	27.387	0.15	3	0.06	2.502	27.797	0.114	3	0.046	0.44952
272	282	VTENKDGTYNW	17.74	1800	9	2.515	27.941	0.138	3	0.056	2.574	28.605	0.218	3	0.088	0.385366
272	283	VTENKDGTYNWM	19.48	300	10	2.835	28.348	0.095	3	0.038	2.899	28.989	0.111	3	0.045	0.133826

Appendix Table A1

Start	End	Sequence	RT [min]	Deut Time (sec)	Campaign 01						Campaign 02 (nine weeks later)					
					maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
272	283	VTENKDGTYNWM	19.48	1800	10	2.897	28.972	0.238	3	0.096	3.028	30.279	0.153	3	0.061	0.13025
272	285	VTENKDGTYNWMSW	21.49	300	12	3.255	27.129	0.145	3	0.058	3.276	27.301	0.087	3	0.035	0.632091
272	285	VTENKDGTYNWMSW	21.49	1800	12	3.313	27.606	0.291	3	0.117	3.35	27.918	0.185	3	0.074	0.6683
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.723	20.943	0.205	3	0.083	2.676	20.584	0.063	3	0.026	0.435247
272	286	VTENKDGTYNWMSWL	22.49	1800	13	2.785	21.427	0.392	3	0.158	2.693	20.717	0.151	3	0.061	0.42443
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.252	23.23	0.138	3	0.056	3.091	22.082	0.089	3	0.036	0.0189021
272	287	VTENKDGTYNWMSWLL	23.08	1800	14	3.393	24.234	0.472	3	0.19	3.21	22.926	0.091	3	0.037	0.234589
275	282	NKDGTYNW	16.96	300	6	0.783	13.055	0.032	3	0.013	0.799	13.316	0.06	3	0.024	0.395178
275	282	NKDGTYNW	16.96	1800	6	0.829	13.817	0.022	3	0.009	0.883	14.723	0.051	3	0.02	0.0292676
275	286	NKDGTYNWMSWL	22.6	300	10	1.985	19.849	0.108	3	0.043	1.914	19.14	0.181	3	0.073	0.236741
275	286	NKDGTYNWMSWL	22.6	1800	10	1.923	19.228	0.278	3	0.112	1.964	19.643	0.029	3	0.012	0.586724
281	285	NWMSW	21.67	300	3	1.514	50.463	0.066	3	0.027	1.518	50.599	0.152	3	0.061	0.922521
281	285	NWMSW	21.67	1800	3	1.448	48.276	0.057	3	0.023	1.5	50	0.109	3	0.044	0.16735
281	286	NWMSWL	22.9	300	4	1.604	40.111	0.041	3	0.016	1.615	40.367	0.034	3	0.014	0.454786
281	286	NWMSWL	22.9	1800	4	1.574	39.342	0.057	3	0.023	1.6	39.991	0.048	3	0.019	0.211811
283	287	MSWLL	22.05	300	3	1.381	46.025	0.062	3	0.025	1.369	45.638	0.066	3	0.026	0.608571
283	287	MSWLL	22.05	1800	3	1.478	49.259	0.139	3	0.056	1.491	49.686	0.212	3	0.085	0.84011
286	292	LLNVSA	17.3	300	5	2.716	54.324	0.04	3	0.016	2.755	55.093	0.054	3	0.022	0.0749789
286	292	LLNVSA	17.3	1800	5	2.625	52.502	0.169	3	0.068	2.723	54.47	0.157	3	0.063	0.141093
287	292	LVNVSA	8.3	300	4	2.68	66.991	0.089	3	0.036	2.701	67.513	0.066	3	0.027	0.466815
287	292	LVNVSA	8.3	1800	4	2.585	64.614	0.179	3	0.072	2.676	66.888	0.158	3	0.063	0.176857
287	299	LVNVSAHRDDVKL	15.26	300	11	3.767	34.245	0.078	3	0.032	3.798	34.525	0.087	3	0.035	0.321908
287	299	LVNVSAHRDDVKL	15.26	1800	11	3.924	35.668	0.293	3	0.118	4.021	36.555	0.224	3	0.09	0.322754

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
1	8	GPAMVSEF	17.95	30	6	3.437	57.278	0.396	3	0.159	3.73	2	62.192	0.186	3	0.075	0.066717
1	8	GPAMVSEF	17.95	300	6	3.561	59.348	0.066	3	0.026	3.58	2	59.708	0.478	3	0.193	0.864555
1	8	GPAMVSEF	17.95	3000	6	3.619	60.321	0.178	3	0.072	3.57	4	59.565	0.16	3	0.064	0.461488
1	8	GPAMVSEF	17.95	30000	6	3.64	60.671	0.391	3	0.157	3.54	8	59.135	0.314	3	0.126	0.474805
1	8	GPAMVSEF	17.95	86400	6	3.574	59.566	0.12	3	0.048	3.61	3	60.219	0.062	3	0.025	0.300231
5	8	VSEF	7.64	30	2	1.125	56.237	0.143	3	0.058	1.23	5	61.748	0.092	3	0.037	0.059426
5	8	VSEF	7.64	300	2	1.204	60.2	0.001	3	0	1.22	4	61.179	0.085	3	0.034	0.42625
5	8	VSEF	7.64	3000	2	1.199	59.966	0.059	3	0.024	1.20	3	60.163	0.037	3	0.015	0.821018
5	8	VSEF	7.64	30000	2	1.187	59.361	0.008	3	0.003	1.19	59.506	0.163	3	0.065	0.945944	
5	8	VSEF	7.64	86400	2	1.169	58.449	0.089	2	0.01	1.22	1	61.065	0.03	3	0.012	0.017562
5	13	VSEFLKQAW	19.3	30	7	3.861	55.156	0.36	3	0.145	3.97	7	56.818	0.154	3	0.062	0.300163
5	13	VSEFLKQAW	19.3	300	7	4.008	57.256	0.206	3	0.083	4.04	5	57.781	0.398	3	0.16	0.747668
5	13	VSEFLKQAW	19.3	3000	7	3.995	57.067	0.115	3	0.046	3.95	1	56.441	0.223	3	0.09	0.507324
5	13	VSEFLKQAW	19.3	30000	7	4.123	58.894	0.441	3	0.177	4.00	6	57.235	0.585	2	0.065	0.38542
5	13	VSEFLKQAW	19.3	86400	7	3.929	56.129	0.391	3	0.157	4.01	6	57.376	0.04	2	0.004	0.437964
5	14	VSEFLKQAWF	20.75	30	8	4.223	52.79	0.372	3	0.15	4.06	3	50.792	0.187	3	0.075	0.198658
5	14	VSEFLKQAWF	20.75	300	8	4.488	56.097	0.243	3	0.098	4.28	3	53.535	0.236	3	0.095	0.060037

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
5	14	VSEFLKQAWF	20.75	3000	8	4.514	56.426	0.521	3	0.21	4.23	8	52.974	0.505	3	0.203	0.176962
5	14	VSEFLKQAWF	20.75	30000	8	4.602	57.525	0.297	3	0.12	4.15	4	51.922	0.716	3	0.288	0.099130
5	14	VSEFLKQAWF	20.75	86400	8	4.467	55.842	0.463	2	0.052	4.16	1	52.015	0.721	2	0.08	0.060381
8	13	FLKQAW	17	30	4	2.407	60.186	0.416	3	0.168	2.56	4	64.109	0.11	3	0.044	0.242285
8	13	FLKQAW	17	300	4	2.48	62.006	0.349	3	0.141	2.61	1	65.266	0.175	3	0.07	0.247899
8	13	FLKQAW	17	3000	4	2.385	59.631	0.572	3	0.23	2.54	2.54	63.511	0.078	3	0.031	0.363486
8	13	FLKQAW	17	30000	4	2.595	64.881	0.247	3	0.1	2.52	3	63.076	0.258	3	0.104	0.43332
8	13	FLKQAW	17	86400	4	2.445	61.131	0.502	3	0.202	2.56	8	64.194	0.057	3	0.023	0.404004
8	14	FLKQAWF	19.99	30	5	2.655	53.109	0.624	3	0.251	2.86	6	57.314	0.13	3	0.052	0.282536
8	14	FLKQAWF	19.99	300	5	2.794	55.875	0.425	3	0.171	2.90	7	58.132	0.132	3	0.053	0.373034
8	14	FLKQAWF	19.99	3000	5	2.677	53.535	0.694	3	0.28	2.82	3	56.451	0.062	3	0.025	0.46188
8	14	FLKQAWF	19.99	30000	5	2.922	58.44	0.334	3	0.134	2.78	6	55.722	0.32	3	0.129	0.275034
8	14	FLKQAWF	19.99	86400	5	2.748	54.963	0.51	3	0.205	2.85	8	57.17	0.041	3	0.017	0.450113
9	13	LKQAW	11.99	30	3	1.95	65.016	0.243	3	0.098	2.05	4	68.482	0.1	3	0.04	0.199042
9	13	LKQAW	11.99	300	3	2.039	67.979	0.03	3	0.012	2.07	3	69.088	0.14	3	0.057	0.416573
9	13	LKQAW	11.99	3000	3	2.059	68.639	0.097	3	0.039	2.02	6	67.531	0.074	3	0.03	0.311692
9	13	LKQAW	11.99	30000	3	2.065	68.82	0.182	3	0.073	2.01	9	67.292	0.184	3	0.074	0.487997
9	13	LKQAW	11.99	86400	3	2.016	67.191	0.357	2	0.04	2.05	1	68.367	0.017	3	0.007	0.423713

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
10	13	KQAW	12	30	2	1.693	84.672	0.164	3	0.066	1.79	3	89.636	0.069	3	0.028	0.105495
10	13	KQAW	12	300	2	1.788	89.395	0.064	3	0.026	1.77	9	88.951	0.185	3	0.074	0.860175
10	13	KQAW	12	3000	2	1.81	90.513	0.03	3	0.012	1.77	1	88.569	0.077	3	0.031	0.150675
10	13	KQAW	12	30000	2	1.831	91.535	0.141	3	0.057	1.76	7	88.329	0.134	3	0.054	0.228775
10	13	KQAW	12	86400	2	1.779	88.948	0.19	2	0.021	1.82	4	91.195	0.013	3	0.005	0.193372
14	22	FIENEEQEY	15.3	30	7	3.411	48.724	0.695	3	0.28	3.59	6	51.373	0.26	3	0.105	0.373129
14	22	FIENEEQEY	15.3	300	7	3.553	50.759	0.457	3	0.184	3.73	1	53.301	0.444	3	0.179	0.295722
14	22	FIENEEQEY	15.3	3000	7	3.614	51.621	0.559	3	0.225	3.64	2	52.026	0.136	3	0.055	0.850121
14	22	FIENEEQEY	15.3	30000	7	3.72	53.146	0.579	3	0.233	3.66	4	52.338	0.538	3	0.217	0.773666
14	22	FIENEEQEY	15.3	86400	7	3.433	49.048	2.488	2	0.277	3.70	4	52.91	0.081	3	0.033	0.396576
14	52	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAAL	19.75	30	33	13.091	39.669	2.538	3	1.022	12.5	54	38.042	0.89	3	0.358	0.465443
14	52	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAAL	19.75	300	33	13.993	42.404	0.666	3	0.268	13.2	22	40.068	1.072	3	0.431	0.070067
14	52	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAAL	19.75	3000	33	15.159	45.936	0.895	3	0.36	13.7	46	41.656	0.61	3	0.246	0.007149
14	52	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAAL	19.75	30000	33	15.919	48.24	1.293	3	0.52	14.2	63	43.221	1.655	3	0.666	0.029981
14	52	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAAL	19.75	86400	33	15.737	47.687	0.411	3	0.166	14.5	1	43.969	0.354	3	0.142	0.000696
14	57	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIM	19.92	30	38	13.675	35.986	2.417	3	0.973	13.4	02	35.269	0.265	3	0.107	0.676182
14	57	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIM	19.92	300	38	14.773	38.876	0.813	3	0.327	14.1	06	37.121	0.692	3	0.279	0.056195
14	57	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIM	19.92	3000	38	16.867	44.387	1.129	3	0.455	15.5	28	40.863	0.774	3	0.312	0.017549

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	%D	Conf Interval (#D)	#Pts	Stddev	p	
14	57	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIM	19.92	30000	38	18.784	49.431	1.592	3	0.641	17.5	46.295	1.845	3	0.743	0.104661
14	57	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIM	19.92	86400	38	19.247	50.649	0.89	3	0.358	18.3	48.252	0.335	3	0.135	0.035004
14	65	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEAT	19.88	30	46	16.452	35.764	2.796	3	1.125	16.0	34.923	0.603	3	0.243	0.615088
14	65	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEAT	19.88	300	46	18.21	39.587	1.251	3	0.504	17.5	38.217	1.586	3	0.639	0.254043
14	65	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEAT	19.88	3000	46	20.618	44.822	1.505	3	0.606	19.0	41.417	0.497	3	0.2	0.035859
14	65	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEAT	19.88	30000	46	22.582	49.091	2.171	3	0.874	21.2	46.255	2.355	3	0.948	0.155059
14	65	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEAT	19.88	86400	46	23.101	50.219	1.122	3	0.452	21.8	47.533	0.561	3	0.226	0.025028
14	68	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEATIID	20.19	30	49	16.347	33.36	3.204	3	1.29	15.4	31.433	0.968	3	0.39	0.332172
14	68	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEATIID	20.19	300	49	18.015	36.765	1.47	3	0.592	16.5	33.835	0.859	3	0.346	0.032000
14	68	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEATIID	20.19	3000	49	20.487	41.809	1.404	3	0.565	18.3	37.528	0.661	3	0.266	0.01171
14	68	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEATIID	20.19	30000	49	22.947	46.83	2.449	3	0.986	20.7	42.353	3.731	2	0.415	0.046098
14	68	FIENEEQEYVQTVKSSKGGPGSAVSPYPT FNPSSDVAALHKAIMVKGVDEATIID	20.19	86400	49	23.782	48.535	0.704	3	0.284	21.9	44.751	0.975	2	0.109	0.003013
22	52	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AAL	19.08	30	25	7.76	31.039	2.327	3	0.937	28	30.72	0.349	3	0.14	0.897081
22	52	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AAL	19.08	300	25	8.516	34.063	1.998	3	0.804	7.68	32.765	0.386	3	0.156	0.559003
22	52	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AAL	19.08	3000	25	8.673	34.694	3.455	3	1.391	8.19	35.609	0.307	3	0.123	0.802927
22	52	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AAL	19.08	30000	25	10.597	42.389	1.185	3	0.477	2	37.694	1.376	3	0.554	0.051028
22	52	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AAL	19.08	86400	25	10.453	41.812	2.633	3	1.06	3	38.714	0.236	3	0.095	0.332807
22	57	AALHKAIM	19.61	30	30	7.65	25.499	1.559	3	0.628	9.42	23.854	0.306	3	0.123	0.305039

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
22	57	YVQTVKSSKGGPGSAVSPYPTFNPSSDV	19.61	300	30	8.747	29.157	1.039	3	0.418	7.91					0.058032
		AALHKAIM									4	26.38	0.444	3	0.179	6
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									9.52					0.044005
22	57	AALHKAIM	19.61	3000	30	10.454	34.847	0.877	3	0.353	5	31.751	0.078	3	0.031	4
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									11.4					0.044620
22	57	AALHKAIM	19.61	30000	30	12.665	42.218	1.047	3	0.421	51	38.171	1.401	3	0.564	6
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									12.2					0.005363
22	57	AALHKAIM	19.61	86400	30	13.28	44.267	0.549	3	0.221	76	40.919	0.563	3	0.227	92
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									9.03					
22	62	AALHKAIMVKGVD	19.7	30	35	9.903	28.296	1.981	3	0.798	7	25.821	1.99	2	0.221	0.194392
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									10.0					0.047804
22	62	AALHKAIMVKGVD	19.7	300	35	11.023	31.495	1.091	3	0.439	43	28.694	1.283	2	0.143	3
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									12.0					
22	62	AALHKAIMVKGVD	19.7	3000	35	13.201	37.718	0.517	3	0.208	96	34.561		1	0	
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									14.2					
22	62	AALHKAIMVKGVD	19.7	30000	35	15.293	43.694	1.565	3	0.63	33	40.665	4.332	2	0.482	0.130767
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									14.5					0.000217
22	62	AALHKAIMVKGVD	19.7	86400	35	15.734	44.953	0.229	3	0.092	25	41.499	0.294	3	0.118	55
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									9.59					
22	63	AALHKAIMVKGVDE	19.72	30	36	10.336	28.712	2.182	3	0.878	1	26.643	0.345	3	0.139	0.278269
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									10.5					0.019388
22	63	AALHKAIMVKGVDE	19.72	300	36	11.544	32.066	0.816	3	0.329	99	29.442	0.655	3	0.264	7
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									12.2					0.024517
22	63	AALHKAIMVKGVDE	19.72	3000	36	13.778	38.273	1.108	3	0.446	97	34.159	0.243	3	0.098	7
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									14.3					0.055099
22	63	AALHKAIMVKGVDE	19.72	30000	36	15.891	44.141	1.3	3	0.523	78	39.94	1.904	3	0.767	5
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									15.0					0.000231
22	63	AALHKAIMVKGVDE	19.72	86400	36	16.339	45.386	0.125	3	0.05	82	41.895	0.234	3	0.094	58
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									9.65					
22	65	AALHKAIMVKGVDEAT	19.6	30	38	10.359	27.261	2.29	3	0.922	3	25.403	0.238	3	0.096	0.315556
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									10.8					0.028052
22	65	AALHKAIMVKGVDEAT	19.6	300	38	11.936	31.41	1.024	3	0.412	95	28.671	0.758	3	0.305	4
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									12.6					0.025143
22	65	AALHKAIMVKGVDEAT	19.6	3000	38	14.199	37.367	1.155	3	0.465	4	33.264	0.215	3	0.087	5
		YVQTVKSSKGGPGSAVSPYPTFNPSSDV									14.6					0.037567
22	65	AALHKAIMVKGVDEAT	19.6	30000	38	16.41	43.185	1.142	3	0.46	87	38.65	1.879	3	0.757	3

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
22	65	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIAT	19.6	86400	38	16.98	44.685	0.103	3	0.041	15.504	40.801	0.31	3	0.125	0.00099158
22	66	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATI	19.87	30	39	10.977	28.146	2.671	3	1.075	9.702	24.878	0.259	3	0.104	0.175378060563
22	66	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATI	19.87	300	39	12.042	30.877	1.04	3	0.419	11.243	28.829	0.732	3	0.295	6
22	66	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATI	19.87	3000	39	14.344	36.779	1.372	3	0.552	12.928	33.15	0.143	3	0.058	0.0458066
22	66	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATI	19.87	30000	39	16.467	42.223	1.235	3	0.497	15.131	38.797	2.171	3	0.874	0.1000630100063
22	66	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATI	19.87	86400	39	17.036	43.682	1.015	3	0.408	15.957	40.916	0.69	3	0.278	0.0243823
22	68	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATID	19.95	30	41	10.824	26.401	2.433	3	0.979	9.957	24.284	0.443	3	0.178	0.262653038608
22	68	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATID	19.95	300	41	12.388	30.215	1.043	3	0.42	11.282	27.517	0.248	3	0.1	9
22	68	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATID	19.95	3000	41	14.741	35.953	1.422	3	0.573	13.214	32.229	0.224	3	0.09	0.040911037567
22	68	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATID	19.95	30000	41	17.536	42.771	1.307	3	0.526	15.715	38.33	1.992	3	0.802	8
22	68	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATID	19.95	86400	41	18.235	44.475	0.896	3	0.361	16.85	41.097	0.495	3	0.199	0.00907149
22	70	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATIDIL	21.01	30	43	10.735	24.965	2.092	3	0.842	10.46	24.325	0.246	3	0.099	0.629069
22	70	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATIDIL	21.01	300	43	12.307	28.621	0.76	3	0.306	11.842	27.54	0.142	3	0.057	0.114575048615
22	70	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATIDIL	21.01	3000	43	14.79	34.395	1.194	3	0.481	13.712	31.888	0.4	3	0.161	8
22	70	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATIDIL	21.01	30000	43	17.316	40.27	1.357	3	0.546	16.249	37.789	1.668	3	0.671	0.102507035588
22	70	YVQTVKSSKGGPGSAVSPYPTFNPSSDV AALHKAIMVKGVDIATIDIL	21.01	86400	43	18.389	42.765	1.03	3	0.414	17.428	40.529	0.648	3	0.261	9
53	64	HKAIMVKGVDEA	6.93	30	10	3.926	39.258	0.184	3	0.074	4.027	40.271	0.207	3	0.083	0.191459
53	64	HKAIMVKGVDEA	6.93	300	10	4.382	43.825	0.318	2	0.035	4.382	43.823	0.11	3	0.044	0.996412

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
53	64	HKAIMVKGVDEA	6.93	3000	10	4.941	49.407	0.076	3	0.031	4.88	48.871	0.035	3	0.014	0.075325
53	64	HKAIMVKGVDEA	6.93	30000	10	5.505	55.05	0.511	3	0.206	7	54.779	1.019	3	0.41	0.924865
53	64	HKAIMVKGVDEA	6.93	86400	10	5.766	57.657	1.634	2	0.182	5.47	59.189	0.095	3	0.038	0.439807
53	65	HKAIMVKGVDEAT	6.56	30	11	4.263	38.753	0.247	3	0.1	5.91	40.583	0.162	3	0.065	0.051290
53	65	HKAIMVKGVDEAT	6.56	300	11	5.178	47.07	0.209	2	0.023	4.46	47.061	0.089	3	0.036	0.971932
53	65	HKAIMVKGVDEAT	6.56	3000	11	5.747	52.242	0.181	3	0.073	5.17	51.787	0.068	3	0.027	0.359269
53	65	HKAIMVKGVDEAT	6.56	30000	11	6.385	58.049	0.334	3	0.134	5.69	57.523	1.067	3	0.429	0.841238
53	65	HKAIMVKGVDEAT	6.56	86400	11	6.508	59.165	0.665	2	0.074	6.32	61.266	0.03	3	0.012	0.13634
53	66	HKAIMVKGVDEATI	14.54	30	12	3.643	30.355	0.075	3	0.03	6.73	31.418	0.141	3	0.057	0.040148
53	66	HKAIMVKGVDEATI	14.54	300	12	4.264	35.532	0.395	3	0.159	3.77	36.357	0.159	3	0.064	0.400201
53	66	HKAIMVKGVDEATI	14.54	3000	12	4.38	36.501	1.142	3	0.46	4.36	39.528	0.129	3	0.052	0.304081
53	66	HKAIMVKGVDEATI	14.54	30000	12	5.468	45.567	0.152	3	0.061	4.74	45.317	0.602	3	0.243	0.852697
53	66	HKAIMVKGVDEATI	14.54	86400	12	6.001	50.012	1.399	3	0.563	5.43	50.339	0.354	3	0.143	0.916353
53	68	HKAIMVKGVDEATIID	15.83	30	14	3.656	26.113	0.886	3	0.357	6.04	27.576	0.36	3	0.145	0.433198
53	68	HKAIMVKGVDEATIID	15.83	300	14	4.476	31.968	0.266	3	0.107	3.86	31.836	0.078	3	0.031	0.798722
53	68	HKAIMVKGVDEATIID	15.83	3000	14	4.743	33.876	0.103	3	0.041	4.45	35.388	0.112	3	0.045	0.004039
53	68	HKAIMVKGVDEATIID	15.83	30000	14	5.943	42.449	0.509	2	0.057	4.95	40.224	0.757	3	0.305	0.214958
53	68	HKAIMVKGVDEATIID	15.83	86400	14	6.495	46.392	0.408	3	0.164	5.63	47.447	0.234	3	0.094	0.26435

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab						
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
53	70	HKAIMVKGVDEATIIDIL	20.07	30	16	3.69	23.061	0.296	3	0.119	3.77	4	23.585	0.163	3	0.066	0.36101
53	70	HKAIMVKGVDEATIIDIL	20.07	300	16	4.461	27.88	0.194	3	0.078	4.44	6	27.785	0.249	3	0.1	0.847209
53	70	HKAIMVKGVDEATIIDIL	20.07	3000	16	4.951	30.947	0.278	3	0.112	4.87	6	30.475	0.197	3	0.079	0.399647
53	70	HKAIMVKGVDEATIIDIL	20.07	30000	16	5.851	36.571	0.602	3	0.242	5.92	6	37.04	0.459	2	0.051	0.65068
53	70	HKAIMVKGVDEATIIDIL	20.07	86400	16	6.705	41.904	0.681	3	0.274	6.65	2	41.578	0.194	3	0.078	0.777822
58	66	VKGVDEATI	11.94	30	7	2.458	35.108	0.19	3	0.077	2.46	4	35.206	0.517	3	0.208	0.961481
58	66	VKGVDEATI	11.94	300	7	3.15	45.004	0.039	3	0.016	3.16	1	45.152	0.105	3	0.042	0.721657
58	66	VKGVDEATI	11.94	3000	7	3.415	48.791	0.199	3	0.08	3.37	7	48.24	0.055	3	0.022	0.494821
58	66	VKGVDEATI	11.94	30000	7	3.628	51.822	0.107	3	0.043	3.75	53.569	0.243	3	0.098	0.150517	
58	66	VKGVDEATI	11.94	86400	7	3.794	54.195	0.168	2	0.019	3.87	2	55.311	0.078	3	0.031	0.040030
58	68	VKGVDEATIID	14.85	30	9	2.534	28.155	0.247	3	0.099	2.66	7	29.633	0.113	3	0.045	0.132008
58	68	VKGVDEATIID	14.85	300	9	3.162	35.136	0.128	3	0.052	3.23	5	35.941	0.052	3	0.021	0.121984
58	68	VKGVDEATIID	14.85	3000	9	3.484	38.716	0.213	3	0.086	3.40	3	37.808	0.498	3	0.201	0.567517
58	68	VKGVDEATIID	14.85	30000	9	3.936	43.736	0.158	3	0.064	4.13	3	45.925	0.411	3	0.165	0.164394
58	68	VKGVDEATIID	14.85	86400	9	4.27	47.446	0.622	2	0.069	4.44	1	49.35	0.167	3	0.067	0.099490
58	70	VKGVDEATIIDIL	20.59	30	11	2.438	22.161	0.458	3	0.185	2.46	8	22.433	0.091	3	0.037	0.807164
58	70	VKGVDEATIIDIL	20.59	300	11	3.114	28.307	0.168	3	0.068	3.02	2	27.472	0.205	3	0.083	0.213482
58	70	VKGVDEATIIDIL	20.59	3000	11	3.386	30.783	0.308	3	0.124	3.26	6	29.691	0.063	3	0.025	0.232459

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
58	70	VKGVDEATIIDIL	20.59	30000	11	3.952	35.924	0.071	3	0.029	3.76	34.208	0.342	3	0.138	0.135679
											4.33					0.084395
58	70	VKGVDEATIIDIL	20.59	86400	11	4.528	41.167	0.287	3	0.116	7	39.423	0.138	3	0.056	4
58	85	VKGVDEATIIDILTKRNNQRQQIKAAY	19.15	30	26	3.647	14.028	0.579	3	0.233	3.74	14.383	0.357	3	0.144	0.596353
											4.92					
58	85	VKGVDEATIIDILTKRNNQRQQIKAAY	19.15	300	26	4.997	19.22	0.447	3	0.18	5	18.942	0.054	3	0.022	0.560059
											6.38					
58	85	VKGVDEATIIDILTKRNNQRQQIKAAY	19.15	3000	26	6.532	25.123	0.539	3	0.217	8	24.571	0.172	3	0.069	0.372887
											8.68					
58	85	VKGVDEATIIDILTKRNNQRQQIKAAY	19.15	30000	26	8.92	34.309	0.414	3	0.167	8	33.415	1.066	3	0.429	0.455526
											9.91					
58	85	VKGVDEATIIDILTKRNNQRQQIKAAY	19.15	86400	26	10.063	38.704	0.289	3	0.116	2	38.123	0.253	3	0.102	0.167285
		VKGVDEATIIDILTKRNNQRQQIKAAYL									8.27					
58	107	QETGKPLDETLKALTGHLEE	20.11	30	47	8.36	17.787	0.771	3	0.31	7	17.611	0.496	3	0.2	0.721844
		VKGVDEATIIDILTKRNNQRQQIKAAYL									10.8					
58	107	QETGKPLDETLKALTGHLEE	20.11	300	47	11.077	23.569	0.646	3	0.26	97	23.186	0.292	3	0.117	0.359347
		VKGVDEATIIDILTKRNNQRQQIKAAYL									14.8					
58	107	QETGKPLDETLKALTGHLEE	20.11	3000	47	15.242	32.429	1.049	3	0.422	65	31.628	0.312	3	0.125	0.258931
		VKGVDEATIIDILTKRNNQRQQIKAAYL									18.9					
58	107	QETGKPLDETLKALTGHLEE	20.11	30000	47	19.546	41.587	1.347	3	0.542	05	40.224	1.651	3	0.664	0.268066
		VKGVDEATIIDILTKRNNQRQQIKAAYL									21.2					
58	107	QETGKPLDETLKALTGHLEE	20.11	86400	47	21.563	45.879	0.863	3	0.347	49	45.211	0.739	3	0.298	0.301808
											0.80					
63	68	EATIID	6.85	30	4	0.835	20.876	0.097	3	0.039	5	20.134	0.225	3	0.091	0.641573
											1.07					
63	68	EATIID	6.85	300	4	1.151	28.784	0.005	3	0.002	4	26.841	0.307	3	0.124	0.390269
											1.14					0.071087
63	68	EATIID	6.85	3000	4	1.323	33.08	0.23	3	0.093	7	28.669	0.207	3	0.083	1
											1.65					
63	68	EATIID	6.85	30000	4	1.736	43.393	0.202	3	0.081	7	41.418	0.257	3	0.103	0.360057
											2.18					
63	68	EATIID	6.85	86400	4	2.123	53.086	0.195	2	0.022	3	54.581	0.052	3	0.021	0.081524
		EATIIDILTKRNNQRQQIKAAYLQETGK														
63	107	PLDETLKALTGHLEE	20.12	30	42	7.1	16.905	1.213	3	0.488	7.24	17.238	0.079	3	0.032	0.669284

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
63	107	EATIIDILTKRNNAQRQQIKAAYLQETGK PLDETLKKALTGHLEE	20.12	300	42	9.324	22.2	0.601	3	0.242	9.68	9	23.07	0.951	3	0.383	0.247044
63	107	EATIIDILTKRNNAQRQQIKAAYLQETGK PLDETLKKALTGHLEE	20.12	3000	42	13.193	31.412	0.893	3	0.36	13.1	66	31.347	0.595	3	0.239	0.91902
63	107	EATIIDILTKRNNAQRQQIKAAYLQETGK PLDETLKKALTGHLEE	20.12	30000	42	18.282	43.528	3.525	3	1.419	17.3	05	41.202	1.327	3	0.534	0.358456
63	107	EATIIDILTKRNNAQRQQIKAAYLQETGK PLDETLKKALTGHLEE	20.12	86400	42	19.797	47.135	0.543	3	0.219	19.3	84	46.153	0.485	3	0.195	0.072309
64	70	ATIIDIL	20.44	30	5	0.565	11.292	0.404	3	0.163	0.46	6	9.315	0.148	3	0.06	0.408139
64	70	ATIIDIL	20.44	300	5	0.631	12.619	0.496	3	0.2	0.45	0.55	9.007	0.141	3	0.057	0.254019
64	70	ATIIDIL	20.44	3000	5	0.849	16.971	0.623	3	0.251	0.95	2	11.043	0.074	3	0.03	0.175405
64	70	ATIIDIL	20.44	30000	5	1.059	21.187	0.057	3	0.023	1.44	9	19.186	0.064	3	0.026	0.007669
64	70	ATIIDIL	20.44	86400	5	1.575	31.499	0.209	3	0.084	1.72	3	28.864	0.08	3	0.032	0.098555
64	83	ATIIDILTKRNNAQRQQIKA	18.67	30	18	1.858	10.321	0.506	3	0.204	2.50	2	9.565	0.473	3	0.19	0.445793
64	83	ATIIDILTKRNNAQRQQIKA	18.67	300	18	2.52	13.999	0.91	2	0.101	3.57	4	13.913	0.293	3	0.118	0.886197
64	83	ATIIDILTKRNNAQRQQIKA	18.67	3000	18	3.639	20.218	0.203	3	0.082	5.09	1	19.841	0.195	3	0.078	0.358202
64	83	ATIIDILTKRNNAQRQQIKA	18.67	30000	18	5.214	28.967	0.224	3	0.09	6.03	3	28.295	0.49	3	0.197	0.409949
64	83	ATIIDILTKRNNAQRQQIKA	18.67	86400	18	6.017	33.426	0.51	3	0.205	1	1	33.507	0.219	3	0.088	0.917821
64	85	ATIIDILTKRNNAQRQQIKAAY	19.07	30	20	1.831	9.153	0.981	3	0.395	2.42	1.65	8.251	0.395	3	0.159	0.522416
64	85	ATIIDILTKRNNAQRQQIKAAY	19.07	300	20	2.458	12.291	0.284	3	0.114	3	3	12.114	0.463	3	0.186	0.79502
64	85	ATIIDILTKRNNAQRQQIKAAY	19.07	3000	20	3.927	19.635	0.656	3	0.264	3.77	1	18.854	0.307	3	0.124	0.425113
64	85	ATIIDILTKRNNAQRQQIKAAY	19.07	30000	20	5.998	29.991	0.705	3	0.284	5.84	3	29.215	0.9	3	0.362	0.59206

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1						ANXA1 + Ab				
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
64	85	ATIIDILTKRNNNAQRQQIKAAY	19.07	86400	20	7.009	35.045	0.705	3	0.284	6.95	34.766	0.971	3	0.391	0.852068
		ATIIDILTKRNNNAQRQQIKAAYLQETGKPL									6.76					0.036035
64	107	DETLKKALTGHLEE	20.04	30	41	7.277	17.75	0.455	3	0.183	1	16.49	0.541	3	0.218	5
		ATIIDILTKRNNNAQRQQIKAAYLQETGKPL														
64	107	DETLKKALTGHLEE	20.04	300	41	9.065	22.109	0.57	3	0.23	8.83	21.536	0.156	3	0.063	0.213036
		ATIIDILTKRNNNAQRQQIKAAYLQETGKPL									12.4					
64	107	DETLKKALTGHLEE	20.04	3000	41	12.867	31.384	0.868	3	0.35	81	30.442	0.142	3	0.057	0.193181
		ATIIDILTKRNNNAQRQQIKAAYLQETGKPL									16.3					
64	107	DETLKKALTGHLEE	20.04	30000	41	17	41.463	0.99	3	0.399	8	39.95	1.297	3	0.522	0.182153
		ATIIDILTKRNNNAQRQQIKAAYLQETGKPL									18.4					0.038960
64	107	DETLKKALTGHLEE	20.04	86400	41	18.712	45.638	0.291	3	0.117	36	44.965	0.127	3	0.051	1
											0.31					
65	70	TIIDIL	20.21	30	4	0.433	10.833	0.396	3	0.16	7	7.913	0.196	3	0.079	0.340403
											0.32					
65	70	TIIDIL	20.21	300	4	0.467	11.684	0.506	3	0.204	1	8.021	0.075	3	0.03	0.338168
65	70	TIIDIL	20.21	3000	4	0.64	16.005	0.59	3	0.237	0.36	8.993	0.073	3	0.029	0.175462
											0.64					
65	70	TIIDIL	20.21	30000	4	0.6	14.998	0.112	3	0.045	9	16.219	0.189	3	0.076	0.40473
											0.73					
65	70	TIIDIL	20.21	86400	4	0.909	22.731	0.305	3	0.123	5	18.369	0.092	3	0.037	0.122972
											0.31					
66	70	IIDIL	19.53	30	3	0.333	11.09	0.283	3	0.114	2	10.404	0.074	3	0.03	0.787587
											0.29					
66	70	IIDIL	19.53	300	3	0.338	11.277	0.294	3	0.118	2	9.726	0.07	3	0.028	0.569241
											0.32					
66	70	IIDIL	19.53	3000	3	0.456	15.197	0.385	3	0.155	9	10.959	0.013	3	0.005	0.291222
66	70	IIDIL	19.53	30000	3	0.417	13.887	0.09	3	0.036	0.42	13.986	0.077	3	0.031	0.919177
66	70	IIDIL	19.53	86400	3	0.559	18.631	0.304	3	0.122	0.51	16.995	0.061	3	0.025	0.561295
											1.55					
66	83	IIDILTKRNNNAQRQQIKA	15.1	30	16	1.65	10.313	0.563	3	0.227	4	9.715	0.337	3	0.136	0.571714
											2.24					
66	83	IIDILTKRNNNAQRQQIKA	15.1	300	16	2.355	14.721	0.217	3	0.087	2	14.01	0.279	3	0.112	0.241861
											3.20					
66	83	IIDILTKRNNNAQRQQIKA	15.1	3000	16	3.246	20.286	0.218	3	0.088	3	20.017	0.179	3	0.072	0.548469

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
66	83	IIDILTKRNNNAQRQQIKA	15.1	30000	16	4.26	26.625	0.114	3	0.046	4.37	27.347	0.305	3	0.123	0.239851
66	83	IIDILTKRNNNAQRQQIKA	15.1	86400	16	4.637	28.984	0.558	3	0.225	4.72	29.511	0.111	3	0.045	0.585287
66	85	IIDILTKRNNNAQRQQIKAAY	16.21	30	18	1.819	10.106	0.497	3	0.2	1.72	9.563	0.459	3	0.185	0.568381
66	85	IIDILTKRNNNAQRQQIKAAY	16.21	300	18	2.422	13.455	0.162	3	0.065	2.21	12.327	0.521	3	0.21	0.230243
66	85	IIDILTKRNNNAQRQQIKAAY	16.21	3000	18	3.502	19.453	0.177	3	0.071	3.39	18.881	0.261	3	0.105	0.241574
66	85	IIDILTKRNNNAQRQQIKAAY	16.21	30000	18	4.651	25.836	0.06	3	0.024	4.66	25.939	0.219	3	0.088	0.75582
66	85	IIDILTKRNNNAQRQQIKAAY	16.21	86400	18	5.229	29.048	0.489	3	0.197	5.18	28.801	0.123	3	0.05	0.737263
66	86	IIDILTKRNNNAQRQQIKAAYL	17.8	30	19	1.526	8.032	0.464	3	0.187	1.41	7.461	0.369	3	0.149	0.477377
66	86	IIDILTKRNNNAQRQQIKAAYL	17.8	300	19	2.111	11.112	0.122	3	0.049	2.11	11.125	0.193	3	0.078	0.966104
66	86	IIDILTKRNNNAQRQQIKAAYL	17.8	3000	19	3.385	17.814	0.294	3	0.118	3.23	17.043	0.146	3	0.059	0.153284
66	86	IIDILTKRNNNAQRQQIKAAYL	17.8	30000	19	4.641	24.425	0.073	3	0.03	4.49	23.651	0.496	3	0.2	0.329782
66	86	IIDILTKRNNNAQRQQIKAAYL IIDILTKRNNNAQRQQIKAAYLQETGKPLD	17.8	86400	19	5.18	27.263	0.603	3	0.243	4.91	25.879	0.336	3	0.135	0.195728
66	107	ETLKKALTGHLEE IIDILTKRNNNAQRQQIKAAYLQETGKPLD	19.27	30	39	6.213	15.932	0.823	3	0.331	5.88	15.079	0.565	3	0.227	0.234026
66	107	ETLKKALTGHLEE IIDILTKRNNNAQRQQIKAAYLQETGKPLD	19.27	300	39	7.879	20.204	0.453	3	0.182	7.67	19.69	0.316	3	0.127	0.202004
66	107	ETLKKALTGHLEE IIDILTKRNNNAQRQQIKAAYLQETGKPLD	19.27	3000	39	11.175	28.653	0.747	3	0.301	10.8	27.816	0.389	3	0.156	0.193691
66	107	ETLKKALTGHLEE IIDILTKRNNNAQRQQIKAAYLQETGKPLD	19.27	30000	39	14.144	36.266	0.925	3	0.372	13.5	34.822	0.487	3	0.196	0.102369
66	107	ETLKKALTGHLEE	19.27	86400	39	15.243	39.084	0.314	3	0.126	14.6	37.628	0.456	3	0.183	0.015030
67	70	IDIL	17.86	30	2	0.141	7.061	0.112	3	0.045	0.12	6.398	0.031	3	0.012	0.667433

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
67	70	IDIL	17.86	300	2	0.131	6.57	0.063	3	0.025	0.11	3	5.652	0.048	3	0.019	0.376658
67	70	IDIL	17.86	3000	2	0.131	6.57	0.063	3	0.026	0.11	1	5.539	0.049	3	0.02	0.333244
67	70	IDIL	17.86	30000	2	0.139	6.927	0.08	3	0.032	0.12	5	6.254	0.074	3	0.03	0.623593
67	70	IDIL	17.86	86400	2	0.198	9.892	0.145	3	0.058	0.13	1	6.574	0.031	3	0.012	0.182768
67	83	IDILTKRNNNAQRQQIKA	13.26	30	15	1.686	11.241	0.63	3	0.254	1.61	9	10.796	0.316	3	0.127	0.711527
67	83	IDILTKRNNNAQRQQIKA	13.26	300	15	2.329	15.526	0.02	3	0.008	2.28	8	15.25	0.262	3	0.105	0.566558
67	83	IDILTKRNNNAQRQQIKA	13.26	3000	15	3.276	21.841	0.271	3	0.109	3.33	5	22.236	0.352	3	0.142	0.598685
67	83	IDILTKRNNNAQRQQIKA	13.26	30000	15	4.251	28.338	0.95	3	0.382	4.35	5	29.031	0.46	2	0.051	0.685887
67	83	IDILTKRNNNAQRQQIKA	13.26	86400	15	4.418	29.451	0.717	2	0.08	4.77	8	31.855	0.71	3	0.286	0.151833
67	85	IDILTKRNNNAQRQQIKAAY	14.74	30	17	1.936	11.387	1.006	3	0.405	1.77	6	10.45	0.348	3	0.14	0.574068
67	85	IDILTKRNNNAQRQQIKAAY	14.74	300	17	2.648	15.575	0.601	3	0.242	2.48	6	14.621	0.295	3	0.119	0.37583
67	85	IDILTKRNNNAQRQQIKAAY	14.74	3000	17	3.637	21.396	0.286	3	0.115	3.59	9	21.173	0.333	3	0.134	0.728983
67	85	IDILTKRNNNAQRQQIKAAY	14.74	30000	17	4.79	28.176	0.294	3	0.119	4.73	6	27.856	0.324	3	0.13	0.621814
67	85	IDILTKRNNNAQRQQIKAAY	14.74	86400	17	5.275	31.032	0.804	3	0.324	5.29	2	31.132	0.285	3	0.115	0.93769
67	86	IDILTKRNNNAQRQQIKAAYL	16.71	30	18	1.798	9.99	0.482	3	0.194	1.70	7	9.485	0.485	3	0.195	0.598249
67	86	IDILTKRNNNAQRQQIKAAYL	16.71	300	18	2.412	13.403	0.246	3	0.099	2.21	7	12.319	0.521	3	0.21	0.245562
67	86	IDILTKRNNNAQRQQIKAAYL	16.71	3000	18	3.521	19.561	0.346	3	0.139	3.39	6	18.866	0.262	3	0.105	0.287131
67	86	IDILTKRNNNAQRQQIKAAYL	16.71	30000	18	4.643	25.792	0.144	3	0.058	4.59	8	25.542	0.5	3	0.201	0.740714

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
67	86	IDILTKRNNNAQRQQIKAAYL	16.71	86400	18	5.179	28.77	0.523	3	0.21	5.19	28.833	0.147	3	0.059	0.935123
		IDILTKRNNNAQRQQIKAAYLQETGKPLDE									6.04					
67	107	TLKKALTGHLEE	19.1	30	38	6.192	16.294	0.418	3	0.168	7	15.913	0.114	3	0.046	0.271019
		IDILTKRNNNAQRQQIKAAYLQETGKPLDE									7.74					
67	107	TLKKALTGHLEE	19.1	300	38	7.916	20.833	0.533	3	0.214	8	20.39	0.201	3	0.081	0.306601
		IDILTKRNNNAQRQQIKAAYLQETGKPLDE									10.7					
67	107	TLKKALTGHLEE	19.1	3000	38	11.028	29.02	0.742	3	0.299	76	28.358	0.112	3	0.045	0.280675
		IDILTKRNNNAQRQQIKAAYLQETGKPLDE									13.2					
67	107	TLKKALTGHLEE	19.1	30000	38	14.016	36.885	0.888	3	0.357	53	34.877	1.427	3	0.574	0.136195
		IDILTKRNNNAQRQQIKAAYLQETGKPLDE									14.7					0.055355
67	107	TLKKALTGHLEE	19.1	86400	38	15.039	39.575	0.367	3	0.148	27	38.756	0.338	3	0.136	8
											1.77					
68	86	DILTKRNNNAQRQQIKAAYL	14.73	30	17	1.936	11.387	1.006	3	0.405	6	10.45	0.348	3	0.14	0.57412
											2.48					
68	86	DILTKRNNNAQRQQIKAAYL	14.73	300	17	2.648	15.575	0.601	3	0.242	6	14.621	0.295	3	0.119	0.375889
											3.59					
68	86	DILTKRNNNAQRQQIKAAYL	14.73	3000	17	3.637	21.396	0.286	3	0.115	9	21.173	0.333	3	0.134	0.729139
											4.73					
68	86	DILTKRNNNAQRQQIKAAYL	14.73	30000	17	4.79	28.176	0.294	3	0.119	6	27.856	0.324	3	0.13	0.621958
											5.29					
68	86	DILTKRNNNAQRQQIKAAYL	14.73	86400	17	5.275	31.031	0.804	3	0.324	2	31.132	0.285	3	0.115	0.937606
											2.25					
69	85	ILTKRNNNAQRQQIKAAY	6.09	30	15	2.303	15.354	0.475	3	0.191	2	15.013	0.889	3	0.358	0.840908
											3.27					
69	85	ILTKRNNNAQRQQIKAAY	6.09	300	15	3.085	20.566	1.087	3	0.438	2	21.815	0.391	3	0.157	0.544342
											4.26					
69	85	ILTKRNNNAQRQQIKAAY	6.09	3000	15	4.216	28.108	0.801	3	0.322	2	28.417	0.821	3	0.331	0.87059
69	85	ILTKRNNNAQRQQIKAAY	6.09	30000	15	5.683	37.886	0.833	3	0.335	5.86	39.07	1.214	3	0.489	0.634534
											6.57					
69	85	ILTKRNNNAQRQQIKAAY	6.09	86400	15	5.992	39.947	2.231	2	0.248	9	43.86	0.302	3	0.122	0.146506
											1.31					
69	86	ILTKRNNNAQRQQIKAAYL	13.51	30	16	1.56	9.748	0.732	3	0.295	9	8.244	0.589	3	0.237	0.334892
											2.10					
69	86	ILTKRNNNAQRQQIKAAYL	13.51	300	16	2.24	14.002	0.48	3	0.193	9	13.183	0.227	3	0.091	0.369553

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab						
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
69	86	ILTKRNNAQRQQIKAAYL	13.51	3000	16	3.328	20.8	0.276	3	0.111	3.32	4	20.775	0.153	3	0.062	0.960183
69	86	ILTKRNNAQRQQIKAAYL	13.51	30000	16	4.686	29.287	0.142	3	0.057	4.61	28.812	0.437	3	0.176	0.539347	
69	86	ILTKRNNAQRQQIKAAYL	13.51	86400	16	4.905	30.655	1.374	2	0.153	5.10	9	31.934	0.239	3	0.096	0.269236
69	97	ILTKRNNAQRQQIKAAYLQETGKPLDETL	17.3	30	26	3.333	12.821	0.351	3	0.141	3.10	3	11.935	0.63	3	0.254	0.259204
69	97	ILTKRNNAQRQQIKAAYLQETGKPLDETL	17.3	300	26	4.289	16.495	0.303	3	0.122	4.35	6	16.753	0.242	3	0.098	0.499523
69	97	ILTKRNNAQRQQIKAAYLQETGKPLDETL	17.3	3000	26	6.897	26.526	0.689	3	0.277	6.93	26.654	0.206	3	0.083	0.857963	
69	97	ILTKRNNAQRQQIKAAYLQETGKPLDETL	17.3	30000	26	9.056	34.832	0.475	3	0.191	8.86	3	34.088	1.07	3	0.431	0.532072
69	97	ILTKRNNAQRQQIKAAYLQETGKPLDETL	17.3	86400	26	9.576	36.831	0.971	3	0.391	9.55	2	36.739	0.048	3	0.019	0.925381
69	107	ILTKRNNAQRQQIKAAYLQETGKPLDETL KKALTGHLEE	18.78	30	36	5.361	14.892	0.733	3	0.295	5.75	7	15.991	0.334	3	0.135	0.131308
69	107	ILTKRNNAQRQQIKAAYLQETGKPLDETL KKALTGHLEE	18.78	300	36	6.993	19.425	0.335	3	0.135	7.23	3	20.091	0.41	3	0.165	0.126201
69	107	ILTKRNNAQRQQIKAAYLQETGKPLDETL KKALTGHLEE	18.78	3000	36	9.892	27.478	0.579	3	0.233	10.3	49	28.748	0.868	3	0.349	0.14297
69	107	ILTKRNNAQRQQIKAAYLQETGKPLDETL KKALTGHLEE	18.78	30000	36	12.89	35.805	0.944	3	0.38	12.6	55	35.152	0.468	3	0.188	0.409539
69	107	ILTKRNNAQRQQIKAAYLQETGKPLDETL KKALTGHLEE	18.78	86400	36	13.767	38.243	0.34	3	0.137	13.6	05	37.793	0.522	3	0.21	0.335645
70	86	LTKRNNAQRQQIKAAYL	6.23	30	15	2.415	16.099	0.62	3	0.25	2.28	9	15.257	0.73	3	0.294	0.601811
70	86	LTKRNNAQRQQIKAAYL	6.23	300	15	3.285	21.9	0.873	3	0.351	3.48	7	23.244	0.317	3	0.127	0.431022
70	86	LTKRNNAQRQQIKAAYL	6.23	3000	15	4.26	28.399	0.949	3	0.382	4.22	4	28.161	0.801	3	0.322	0.907601
70	86	LTKRNNAQRQQIKAAYL	6.23	30000	15	5.639	37.592	0.658	3	0.265	5.71	1	38.072	0.671	3	0.27	0.757896
70	86	LTKRNNAQRQQIKAAYL	6.23	86400	15	6.056	40.372	5.704	2	0.635	6.47	2	43.146	0.481	3	0.193	0.519236

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
71	86	TKRNNAQRQQIKAAYL	11.49	30	14	1.521	10.863	0.522	3	0.21	1.51	10.838	0.259	3	0.104	0.981107
71	86	TKRNNAQRQQIKAAYL	11.49	300	14	2.165	15.462	0.073	3	0.029	2.17	15.516	0.201	3	0.081	0.888955
71	86	TKRNNAQRQQIKAAYL	11.49	3000	14	3.287	23.479	0.181	3	0.073	3.45	24.64	0.723	3	0.291	0.437501
71	86	TKRNNAQRQQIKAAYL	11.49	30000	14	4.407	31.479	0.383	3	0.154	4.38	31.307	0.457	3	0.184	0.870097
71	86	TKRNNAQRQQIKAAYL	11.49	86400	14	4.744	33.887	1.232	2	0.137	4.89	34.994	0.234	3	0.094	0.321672
71	97	TKRNNAQRQQIKAAYLQETGKPLDETL	17.14	30	24	3.205	13.352	0.588	3	0.237	3.24	13.523	0.523	3	0.211	0.834251
71	97	TKRNNAQRQQIKAAYLQETGKPLDETL	17.14	300	24	4.309	17.954	0.403	3	0.162	4.38	18.279	0.171	3	0.069	0.504597
71	97	TKRNNAQRQQIKAAYLQETGKPLDETL	17.14	3000	24	6.579	27.412	0.881	3	0.355	6.75	28.125	0.049	3	0.02	0.491293
71	97	TKRNNAQRQQIKAAYLQETGKPLDETL	17.14	30000	24	8.639	35.996	0.739	3	0.297	8.46	35.26	0.887	3	0.357	0.546983
71	97	TKRNNAQRQQIKAAYLQETGKPLDETL	17.14	86400	24	9.031	37.627	0.897	3	0.361	9.06	37.787	0.363	3	0.146	0.876723
71	107	TKRNNAQRQQIKAAYLQETGKPLDETLK KALTGHLEE	18.78	30	34	5.565	16.368	0.626	3	0.252	5.56	16.379	0.175	3	0.07	0.982419
71	107	TKRNNAQRQQIKAAYLQETGKPLDETLK KALTGHLEE	18.78	300	34	7.126	20.959	0.326	3	0.131	6.88	20.242	0.186	3	0.075	0.063763
71	107	TKRNNAQRQQIKAAYLQETGKPLDETLK KALTGHLEE	18.78	3000	34	9.729	28.614	0.809	3	0.326	9.46	27.848	0.118	3	0.047	0.29923
71	107	TKRNNAQRQQIKAAYLQETGKPLDETLK KALTGHLEE	18.78	30000	34	12.414	36.513	1.243	3	0.5	11.4	33.669	1.343	3	0.541	0.085773
71	107	TKRNNAQRQQIKAAYLQETGKPLDETLK KALTGHLEE	18.78	86400	34	13.091	38.504	0.455	3	0.183	12.8	37.803	0.291	3	0.117	0.143182
84	107	AYLQETGKPLDETLK KALTGHLEE	19.43	30	21	4.73	22.522	0.546	3	0.22	4.67	22.25	0.188	3	0.076	0.704566
84	107	AYLQETGKPLDETLK KALTGHLEE	19.43	300	21	5.714	27.209	0.622	3	0.25	5.58	26.615	0.147	3	0.059	0.480965
84	107	AYLQETGKPLDETLK KALTGHLEE	19.43	3000	21	6.592	31.392	1.496	3	0.602	6.64	31.638	0.062	3	0.025	0.895622
84	107	AYLQETGKPLDETLK KALTGHLEE	19.43	30000	21	8.436	40.171	0.673	3	0.271	7.76	36.952	0.967	3	0.389	0.076652

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
84	107	AYLQETGKPLDETLKALTGHLEE	19.43	86400	21	9.282	44.201	1.792	3	0.721	8.71	9	41.521	0.152	3	0.061	0.308868
86	97	LQETGKPLDETL	16.58	30	9	2.308	25.646	0.164	3	0.066	2.11	7	23.517	0.132	3	0.053	0.018937
86	97	LQETGKPLDETL	16.58	300	9	2.836	31.51	0.543	3	0.218	2.71	8	30.201	0.088	3	0.035	0.449545
86	97	LQETGKPLDETL	16.58	3000	9	2.979	33.104	1.642	3	0.661	3.38	5	37.612	0.12	3	0.048	0.39908
86	97	LQETGKPLDETL	16.58	30000	9	4.161	46.23	0.336	2	0.037	3.83	6	42.627	0.201	3	0.081	0.010129
86	97	LQETGKPLDETL	16.58	86400	9	4.119	45.771	2.112	2	0.235	3.98	6	44.287	0.427	3	0.172	0.571226
86	107	LQETGKPLDETLKALTGHLEE	18.98	30	19	4.356	22.929	0.476	3	0.192	4.43	7	23.35	0.096	3	0.039	0.547205
86	107	LQETGKPLDETLKALTGHLEE	18.98	300	19	5.206	27.402	0.599	3	0.241	5.25	5	27.658	0.118	3	0.047	0.761788
86	107	LQETGKPLDETLKALTGHLEE	18.98	3000	19	5.67	29.845	1.437	3	0.578	5.96	6	31.4	0.265	3	0.107	0.470763
86	107	LQETGKPLDETLKALTGHLEE	18.98	30000	19	7.156	37.662	0.401	3	0.161	7.09	3	37.333	1.285	3	0.517	0.857256
86	107	LQETGKPLDETLKALTGHLEE	18.98	86400	19	7.827	41.193	1.299	3	0.523	8.00	6	42.139	0.779	3	0.313	0.642084
86	110	LQETGKPLDETLKALTGHLEEVVL	20.2	30	22	4.136	18.802	0.494	3	0.199	3.93	5	17.886	0.109	3	0.044	0.217392
86	110	LQETGKPLDETLKALTGHLEEVVL	20.2	300	22	5.056	22.983	0.167	3	0.067	4.66	7	21.213	0.121	3	0.049	0.001827
86	110	LQETGKPLDETLKALTGHLEEVVL	20.2	3000	22	6.098	27.717	0.317	3	0.127	5.48	8	24.946	0.156	3	0.063	0.005562
86	110	LQETGKPLDETLKALTGHLEEVVL	20.2	30000	22	7.617	34.625	0.523	3	0.211	7.06	8	32.129	1.343	3	0.541	0.213799
86	110	LQETGKPLDETLKALTGHLEEVVL	20.2	86400	22	8.711	39.595	0.104	3	0.042	8.08	3	36.742	0.337	3	0.135	0.009887
86	112	LQETGKPLDETLKALTGHLEEVVLAL	21.32	30	24	4.289	17.869	0.777	3	0.313	4.14	5	17.272	0.337	3	0.136	0.524149
86	112	LQETGKPLDETLKALTGHLEEVVLAL	21.32	300	24	5.573	23.219	0.217	3	0.087	5.21	4	21.726	0.767	3	0.309	0.175197

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
86	112	LQETGKPLDETLKKALTGHLEEVV LAL	21.32	3000	24	6.599	27.495	0.241	3	0.097	6.05	25.218	0.107	3	0.043	0.004105
86	112	LQETGKPLDETLKKALTGHLEEVV LAL	21.32	30000	24	9.037	37.653	2.948	2	0.328	8.51	35.497	2.983	2	0.332	0.257373
86	112	LQETGKPLDETLKKALTGHLEEVV LAL	21.32	86400	24	9.763	40.679		1	0	9.51	39.662	1.171	3	0.472	1
86	138	PAQFDADELRAAMKGLGTDEDTL	22.24	30	49	8.246	16.828	0.911	3	0.367	8.41	17.167	0.433	3	0.174	0.532101
86	138	PAQFDADELRAAMKGLGTDEDTL	22.24	300	49	10.398	21.221	0.397	3	0.16	10.6	21.716	0.113	3	0.046	0.110357
86	138	PAQFDADELRAAMKGLGTDEDTL	22.24	3000	49	12.868	26.261	0.546	3	0.22	12.7	26.057	0.074	3	0.03	0.513986
86	138	PAQFDADELRAAMKGLGTDEDTL	22.24	30000	49	16.199	33.059	1.34	3	0.54	16.1	33.029	1.059	3	0.426	0.972237
86	138	PAQFDADELRAAMKGLGTDEDTL	22.24	86400	49	18.181	37.104	1.065	3	0.429	17.9	36.709	0.648	3	0.261	0.548084
87	107	QETGKPLDETLKKALTGHLEE	18.83	30	18	4.412	24.509	0.5	3	0.201	4.39	24.401	0.084	3	0.034	0.883496
87	107	QETGKPLDETLKKALTGHLEE	18.83	300	18	5.211	28.949	0.682	3	0.275	5.22	29.005	0.171	3	0.069	0.956511
87	107	QETGKPLDETLKKALTGHLEE	18.83	3000	18	5.567	30.926	1.491	3	0.6	5.84	32.452	0.111	3	0.045	0.511199
87	107	QETGKPLDETLKKALTGHLEE	18.83	30000	18	7.095	39.416	0.251	3	0.101	6.87	38.174	0.763	3	0.307	0.334978
87	107	QETGKPLDETLKKALTGHLEE	18.83	86400	18	7.756	43.09	1.395	3	0.562	7.67	42.614	0.334	3	0.134	0.818909
108	112	VVLAL	18.18	30	3	0.303	10.096	0.182	3	0.073	0.22	7.458	0.047	3	0.019	0.196735
108	112	VVLAL	18.18	300	3	0.278	9.269	0.173	3	0.07	0.22	7.62	0.047	3	0.019	0.34369
108	112	VVLAL	18.18	3000	3	0.349	11.631	0.23	3	0.093	0.23	7.727	0.058	3	0.023	0.153689
108	112	VVLAL	18.18	30000	3	0.284	9.455	0.172	3	0.069	0.23	7.815	0.095	3	0.038	0.357814
108	112	VVLAL	18.18	86400	3	0.345	11.486	0.161	3	0.065	0.23	7.816	0.063	3	0.025	0.083318

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
108	138	VVLALLKTPAQFDADELRAAMKGLGTDE DTL	21.11	30	28	4.824	17.23	0.695	3	0.28	4.72 6	16.878	0.143	3	0.057	0.606878
108	138	VVLALLKTPAQFDADELRAAMKGLGTDE DTL	21.11	300	28	6.056	21.63	0.383	3	0.154	5.72 1	20.432	0.654	3	0.263	0.146643 0.074884
108	138	VVLALLKTPAQFDADELRAAMKGLGTDE DTL	21.11	3000	28	7.231	25.826	0.473	3	0.19	6.86 5	24.518	0.087	3	0.035	7
108	138	VVLALLKTPAQFDADELRAAMKGLGTDE DTL	21.11	30000	28	8.325	29.732	0.566	3	0.228	7.97 5	28.481	0.519	3	0.209	0.121531 0.009929
108	138	VVLALLKTPAQFDADELRAAMKGLGTDE DTL	21.11	86400	28	8.896	31.772	0.286	3	0.115	8.49 1	30.323	0.206	3	0.083	14 0.069039
110	138	LALLKTPAQFDADELRAAMKGLGTDEDT L	20.74	30	26	5.197	19.987	0.402	3	0.162	4.88 6.18	18.768	0.315	2	0.035	3
110	138	LALLKTPAQFDADELRAAMKGLGTDEDT L	20.74	300	26	6.252	24.044	0.348	3	0.14	2 7.12	23.778	0.144	3	0.058	0.492767 0.062128
110	138	LALLKTPAQFDADELRAAMKGLGTDEDT L	20.74	3000	26	7.525	28.942	0.464	3	0.187	3 8.48	27.397	0.069	3	0.028	8
110	138	LALLKTPAQFDADELRAAMKGLGTDEDT L	20.74	30000	26	8.648	33.262	0.299	3	0.12	5 8.91	32.634	1.1	3	0.443	0.593588 0.011849
110	138	LALLKTPAQFDADELRAAMKGLGTDEDT L	20.74	86400	26	9.273	35.665	0.25	3	0.101	5 1.21	34.289	0.132	3	0.053	2
111	118	ALLKTPAQ	8.92	30	5	1.286	25.725	0.129	3	0.052	6 1.59	24.322	0.142	3	0.057	0.19049 0.027018
111	118	ALLKTPAQ	8.92	300	5	1.643	32.854	0.095	2	0.011	6 1.67	31.913	0.032	3	0.013	7
111	118	ALLKTPAQ	8.92	3000	5	1.72	34.408	0.13	3	0.052	8 1.82	33.552	0.073	3	0.029	0.302016
111	118	ALLKTPAQ	8.92	30000	5	1.879	37.582	0.168	3	0.068	5	36.5	0.073	3	0.029	0.302101
111	118	ALLKTPAQ	8.92	86400	5	1.969	39.376	0.29	2	0.032	1.94 1.24	38.805	0.181	3	0.073	0.594716
111	119	ALLKTPAQF	17.61	30	6	1.347	22.442	0.312	3	0.126	1 1.57	20.682	0.106	3	0.043	0.280551 0.031819
111	119	ALLKTPAQF	17.61	300	6	1.699	28.318	0.118	3	0.048	9 1.70	26.308	0.054	3	0.022	1
111	119	ALLKTPAQF	17.61	3000	6	1.802	30.038	0.257	3	0.103	8	28.462	0.006	3	0.003	0.253875

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
111	119	ALLKTPAQF	17.61	30000	6	1.957	32.618	0.168	3	0.068	1.85	2	30.86	0.02	3	0.008	0.112042
111	119	ALLKTPAQF	17.61	86400	6	2.043	34.053	0.384	3	0.155	1.98	6	33.099	0.073	3	0.029	0.589197
111	123	ALLKTPAQFDADE	17.58	30	10	1.901	19.008	0.214	3	0.086	1.92	19.198	0.272	3	0.109	0.825429	
111	123	ALLKTPAQFDADE	17.58	300	10	2.244	22.443	0.067	3	0.027	2.25	1	22.508	0.152	3	0.061	0.878394
111	123	ALLKTPAQFDADE	17.58	3000	10	2.379	23.793	0.033	3	0.013	2.35	3	23.525	0.14	3	0.056	0.499995
111	123	ALLKTPAQFDADE	17.58	30000	10	2.558	25.581	0.365	3	0.147	2.44	24.403	0.36	3	0.145	0.378566	
111	123	ALLKTPAQFDADE	17.58	86400	10	2.712	27.117	0.222	3	0.089	2.62	2	26.222	0.155	3	0.062	0.235648
111	124	ALLKTPAQFDADEL	19.25	30	11	1.707	15.517	0.302	3	0.122	1.63	3	14.843	0.227	3	0.091	0.449318
111	124	ALLKTPAQFDADEL	19.25	300	11	2.041	18.558	0.162	3	0.065	1.98	18.004	0.118	3	0.048	0.266786	
111	124	ALLKTPAQFDADEL	19.25	3000	11	2.192	19.928	0.036	3	0.014	2.06	7	18.795	0.16	3	0.064	0.071942
111	124	ALLKTPAQFDADEL	19.25	30000	11	2.391	21.74	0.213	3	0.086	2.22	8	20.251	0.128	3	0.052	0.059225
111	124	ALLKTPAQFDADEL	19.25	86400	11	2.588	23.528	0.448	3	0.181	2.30	8	20.98	0.139	3	0.056	0.104224
111	126	ALLKTPAQFDADELRA	18.58	30	13	1.89	14.537	0.271	3	0.109	1.83	9	14.143	0.423	3	0.17	0.68717
111	126	ALLKTPAQFDADELRA	18.58	300	13	2.212	17.017	0.173	3	0.07	2.22	3	17.098	0.132	3	0.053	0.845711
111	126	ALLKTPAQFDADELRA	18.58	3000	13	2.475	19.041	0.056	3	0.023	2.36	3	18.176	0.065	3	0.026	0.005166
111	126	ALLKTPAQFDADELRA	18.58	30000	13	2.815	21.653	0.377	3	0.152	2.68	1	20.621	0.077	3	0.031	0.262771
111	126	ALLKTPAQFDADELRA	18.58	86400	13	3.171	24.392	0.58	3	0.234	2.93	9	22.607	0.32	3	0.129	0.225597
111	137	ALLKTPAQFDADELRAAMKGLGTDED	20.16	30	24	4.933	20.556	2.124	2	0.236	4.86	3	20.262		1	0	
111	137	ALLKTPAQFDADELRAAMKGLGTDED	20.16	300	24	6.074	25.308	0.263	3	0.106	6.12	2	25.509		1	0	

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
111	137	ALLKTPAQFDADELRAAMKGLGTDEDT	20.16	3000	24	7.215	30.06	1.467	2	0.163	7.08	29.53	0.307	3	0.124	0.457508
111	137	ALLKTPAQFDADELRAAMKGLGTDEDT	20.16	30000	24	8.21	34.207	0.027	2	0.003	7.72	32.205	1.342	2	0.149	0.137229
111	137	ALLKTPAQFDADELRAAMKGLGTDEDT	20.16	86400	24	8.562	35.675	2.33	2	0.259	8.11	33.817	0.103	2	0.011	0.247264
111	138	ALLKTPAQFDADELRAAMKGLGTDEDTL	20.23	30	25	5.383	21.533	0.821	3	0.33	4.90	19.627	0.109	3	0.044	0.127372
111	138	ALLKTPAQFDADELRAAMKGLGTDEDTL	20.23	300	25	6.572	26.287	0.347	3	0.14	6.03	24.146	0.372	3	0.15	0.010712
111	138	ALLKTPAQFDADELRAAMKGLGTDEDTL	20.23	3000	25	7.791	31.164	0.47	3	0.189	7.11	28.449	0.316	3	0.127	0.009533
111	138	ALLKTPAQFDADELRAAMKGLGTDEDTL	20.23	30000	25	8.976	35.905	0.274	3	0.11	8.42	33.712	0.441	3	0.178	0.015807
111	138	ALLKTPAQFDADELRAAMKGLGTDEDTL	20.23	86400	25	9.533	38.133	0.403	3	0.162	8.94	35.775	0.258	3	0.104	0.009472
111	140	ALLKTPAQFDADELRAAMKGLGTDEDTL IE	20.72	30	27	5.727	21.212	0.766	3	0.309	5.57	20.63	1.175	3	0.473	0.658898
111	140	ALLKTPAQFDADELRAAMKGLGTDEDTL IE	20.72	300	27	6.888	25.51	0.415	3	0.167	6.91	25.591	1.571	3	0.633	0.958501
111	140	ALLKTPAQFDADELRAAMKGLGTDEDTL IE	20.72	3000	27	8.132	30.119	0.566	3	0.228	7.61	28.205	0.633	3	0.255	0.059736
111	140	ALLKTPAQFDADELRAAMKGLGTDEDTL IE	20.72	30000	27	9.28	34.37	0.35	3	0.141	8.73	32.362		1	0	
111	140	ALLKTPAQFDADELRAAMKGLGTDEDTL IE	20.72	86400	27	9.889	36.625	0.436	3	0.176	9.06	33.585	0.579	3	0.233	0.009885
113	123	LKTPAQFDADE	14.9	30	8	1.786	22.323	0.238	3	0.096	1.82	22.76	0.19	3	0.076	0.649094
113	123	LKTPAQFDADE	14.9	300	8	2.125	26.565	0.073	3	0.029	2.09	26.12	0.212	3	0.085	0.552674
113	123	LKTPAQFDADE	14.9	3000	8	2.273	28.415	0.118	3	0.048	2.25	28.161	0.102	3	0.041	0.605995
113	123	LKTPAQFDADE	14.9	30000	8	2.493	31.166	0.474	3	0.191	2.47	30.913	0.281	3	0.113	0.884031
113	123	LKTPAQFDADE	14.9	86400	8	2.524	31.546	0.115	2	0.013	2.52	31.604	0.104	3	0.042	0.87146

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
113	124	LKTPAQFDADEL	18.28	30	9	1.774	19.711	0.24	3	0.097	1.78	19.81	0.227	3	0.091	0.913158
113	124	LKTPAQFDADEL	18.28	300	9	2.117	23.525	0.089	3	0.036	2.12	23.563	0.122	3	0.049	0.927933
113	124	LKTPAQFDADEL	18.28	3000	9	2.224	24.709	0.153	3	0.062	2.18	24.306	0.159	3	0.064	0.519323
113	124	LKTPAQFDADEL	18.28	30000	9	2.412	26.803	0.266	3	0.107	2.34	26.054	0.04	3	0.016	0.390036
113	124	LKTPAQFDADEL	18.28	86400	9	2.581	28.678	0.256	3	0.103	2.45	27.242	0.129	3	0.052	0.148749
113	126	LKTPAQFDADELRA	17.48	30	11	1.938	17.62	0.361	3	0.145	2.01	18.294	0.498	3	0.2	0.633554
113	126	LKTPAQFDADELRA	17.48	300	11	2.263	20.571	0.099	3	0.04	2.29	20.899	0.197	3	0.079	0.532851
113	126	LKTPAQFDADELRA	17.48	3000	11	2.453	22.299	0.025	3	0.01	2.87	26.174	0.913	3	0.368	0.182294
113	126	LKTPAQFDADELRA	17.48	30000	11	2.831	25.733	0.27	3	0.109	2.63	23.965	0.154	3	0.062	0.069712
113	126	LKTPAQFDADELRA	17.48	86400	11	3.096	28.149	0.443	3	0.178	2.91	26.518		1	0	7
113	137	LKTPAQFDADELRAAMKGLGTDEDT	19.9	30	22	5.022	22.826	0.779	3	0.313	4.63	21.07	0.278	3	0.112	0.155961
113	137	LKTPAQFDADELRAAMKGLGTDEDT	19.9	300	22	6.063	27.56	0.286	3	0.115	5.93	26.955	0.329	3	0.132	0.259402
113	137	LKTPAQFDADELRAAMKGLGTDEDT	19.9	3000	22	7.212	32.78	0.145	3	0.058	6.86	31.189	0.15	3	0.06	0.001944
113	137	LKTPAQFDADELRAAMKGLGTDEDT	19.9	30000	22	8.233	37.422	0.544	3	0.219	7.73	35.14	1.747	2	0.194	0.090382
113	137	LKTPAQFDADELRAAMKGLGTDEDT	19.9	86400	22	8.506	38.665	0.237	3	0.095	8.00	36.405	0.123	3	0.049	0.004014
113	138	LKTPAQFDADELRAAMKGLGTDEDTL	20.32	30	23	5.382	23.399	0.795	3	0.32	5.03	21.88	0.102	3	0.041	0.197323
113	138	LKTPAQFDADELRAAMKGLGTDEDTL	20.32	300	23	6.565	28.542	0.325	3	0.131	6.17	26.825	0.295	3	0.119	0.018244
113	138	LKTPAQFDADELRAAMKGLGTDEDTL	20.32	3000	23	7.752	33.705	0.36	3	0.145	7.24	31.514	0.149	3	0.06	0.015572
											8	31.514	0.149	3	0.06	3

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
113	138	LKTPAQFDADELRAAMKGLGTDEDTL	20.32	30000	23	8.976	39.027	0.3	3	0.121	8.29	36.078	0.699	3	0.282	0.037318
113	138	LKTPAQFDADELRAAMKGLGTDEDTL	20.32	86400	23	9.541	41.484	0.317	3	0.128	8	39.151	0.16	3	0.064	6
113	140	LKTPAQFDADELRAAMKGLGTDEDTLIE	20.58	30	25	5.31	21.239	0.389	3	0.157	9.00	20.162	0.17	3	0.068	0.007735
113	140	LKTPAQFDADELRAAMKGLGTDEDTLIE	20.58	300	25	6.379	25.517	0.883	3	0.355	5.04	24.862	0.468	3	0.188	5
113	140	LKTPAQFDADELRAAMKGLGTDEDTLIE	20.58	3000	25	7.817	31.267	0.607	2	0.068	6.21	29.342	0.235	3	0.095	0.079756
113	140	LKTPAQFDADELRAAMKGLGTDEDTLIE	20.58	30000	25	9.1	36.4	0.445	3	0.179	5	35.044	1.92	2	0.214	0.530983
113	140	LKTPAQFDADELRAAMKGLGTDEDTLIE	20.58	86400	25	9.665	38.661	0.27	3	0.109	7.33	29.342	0.235	3	0.095	0.008005
119	138	FDADELRAAMKGLGTDEDTL	20.27	30	18	4.178	23.209	0.705	3	0.284	8.76	21.905	0.137	3	0.055	0.286514
119	138	FDADELRAAMKGLGTDEDTL	20.27	300	18	5.025	27.918	0.296	3	0.119	1	26.658	0.528	3	0.213	0.201559
119	138	FDADELRAAMKGLGTDEDTL	20.27	3000	18	5.843	32.462	0.807	3	0.325	9.19	32.106	0.061	3	0.025	0.764993
119	138	FDADELRAAMKGLGTDEDTL	20.27	30000	18	7.084	39.356	0.53	3	0.213	3.94	36.657	0.689	3	0.277	0.078143
119	138	FDADELRAAMKGLGTDEDTL	20.27	86400	18	7.317	40.651	0.578	3	0.233	4.79	39.646	0.251	3	0.101	0.312611
120	138	DADELRAAMKGLGTDEDTL	19.53	30	17	4.256	25.037	0.602	3	0.242	6.59	25.007	0.125	3	0.05	0.975023
120	138	DADELRAAMKGLGTDEDTL	19.53	300	17	5.045	29.674	0.489	3	0.197	7.13	29.051	0.482	3	0.194	0.542536
120	138	DADELRAAMKGLGTDEDTL	19.53	3000	17	6.164	36.258	1.391	3	0.56	4.25	35.591	0.305	3	0.123	0.761952
120	138	DADELRAAMKGLGTDEDTL	19.53	30000	17	7.081	41.652	0.516	3	0.208	6.86	40.38	0.561	3	0.226	0.28982
120	138	DADELRAAMKGLGTDEDTL	19.53	86400	17	7.376	43.389	1.181	3	0.475	7.34	43.23	0.007	3	0.003	0.930254
124	138	LRAAMKGLGTDEDTL	16.49	30	13	3.297	25.364	0.747	3	0.301	3.56	27.403	0.101	3	0.041	0.265013

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
124	138	LRAAMKGLGTDEDTL	16.49	300	13	3.954	30.414	0.861	3	0.347	4.18	32.182	0.146	3	0.059	0.369824
124	138	LRAAMKGLGTDEDTL	16.49	3000	13	4.178	32.135	1.768	3	0.712	4.79	36.908	0.1	3	0.04	0.269886
124	138	LRAAMKGLGTDEDTL	16.49	30000	13	5.257	40.438	0.213	3	0.086	5.25	40.43	0.91	3	0.366	0.996666
124	138	LRAAMKGLGTDEDTL	16.49	86400	13	5.244	40.337	1.57	3	0.632	5.61	43.151	0.133	3	0.054	0.421673
125	138	RAAMKGLGTDEDTL	15.21	30	12	3.256	27.13	0.693	3	0.279	3.66	30.562	0.101	3	0.041	0.122079
125	138	RAAMKGLGTDEDTL	15.21	300	12	3.979	33.159	0.693	3	0.279	4.25	35.441	0.159	3	0.064	0.227307
125	138	RAAMKGLGTDEDTL	15.21	3000	12	4.305	35.878	1.199	3	0.483	4.9	40.833	0.6	3	0.242	0.154227
125	138	RAAMKGLGTDEDTL	15.21	30000	12	5.062	42.185	0.226	3	0.091	5.09	42.446	0.85	3	0.342	0.890817
125	138	RAAMKGLGTDEDTL	15.21	86400	12	4.86	40.496	1.905	3	0.767	5.36	44.706	0.161	3	0.065	0.37193
125	140	RAAMKGLGTDEDTLIE	16.99	30	14	3.249	23.208	0.754	3	0.303	3.54	25.282	0.255	3	0.102	0.233963
125	140	RAAMKGLGTDEDTLIE	16.99	300	14	3.893	27.809	0.695	3	0.28	4.1	29.284	0.098	3	0.039	0.328651
125	140	RAAMKGLGTDEDTLIE	16.99	3000	14	4.12	29.429	1.507	3	0.607	4.59	32.843	0.197	3	0.079	0.304994
125	140	RAAMKGLGTDEDTLIE	16.99	30000	14	4.963	35.448	0.331	3	0.133	5.00	35.733	0.556	3	0.224	0.806754
125	140	RAAMKGLGTDEDTLIE	16.99	86400	14	5.017	35.837	0.809	3	0.325	5.23	37.389	0.088	3	0.035	0.366933
127	138	AMKGLGTDEDTL	16.21	30	10	3.114	31.14	1.033	3	0.416	3.52	35.224	0.095	3	0.038	0.2303
127	138	AMKGLGTDEDTL	16.21	300	10	3.848	38.483	0.309	2	0.034	3.88	38.871	0.079	3	0.032	0.325082
127	138	AMKGLGTDEDTL	16.21	3000	10	3.238	32.376	1.825	3	0.735	3.93	39.328	0.119	3	0.048	0.242586
127	138	AMKGLGTDEDTL	16.21	30000	10	4.172	41.716	0.205	3	0.082	4.16	41.65	0.73	3	0.294	0.973391
127	138	AMKGLGTDEDTL	16.21	86400	10	4.329	43.289	0.998	2	0.111	4.42	44.266	0.166	3	0.067	0.411726

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
129	138	KGLGTDEDL	13.72	30	8	2.547	31.836	0.515	3	0.207	2.83	35.438	0.213	3	0.086	0.123682
129	138	KGLGTDEDL	13.72	300	8	2.883	36.033	0.191	2	0.021	2.87	35.961	0.448	3	0.18	0.961342
129	138	KGLGTDEDL	13.72	3000	8	2.919	36.49	0.295	3	0.119	2.94	36.747	0.034	3	0.014	0.793987
129	138	KGLGTDEDL	13.72	30000	8	3.189	39.861	0.063	3	0.025	3.34	41.789	0.467	3	0.188	0.290112
129	138	KGLGTDEDL	13.72	86400	8	3.215	40.188	1.189	2	0.132	3.46	43.32	0.08	3	0.032	0.216355
138	142	LIEIL	19.58	30	3	0.304	10.136	0.232	3	0.093	0.36	12.045	0.092	3	0.037	0.405334
138	142	LIEIL	19.58	300	3	0.244	8.125	0.146	3	0.059	0.23	7.854	0.035	3	0.014	0.834921
138	142	LIEIL	19.58	3000	3	0.329	10.961	0.248	3	0.1	0.22	7.468	0.051	3	0.02	0.206997
138	142	LIEIL	19.58	30000	3	0.227	7.578	0.12	3	0.048	0.21	7.276	0.037	3	0.015	0.782711
138	142	LIEIL	19.58	86400	3	0.288	9.583	0.292	3	0.118	0.22	7.541	0.103	3	0.042	0.46891
139	142	IEIL	17.01	30	2	0.189	9.442	0.073	3	0.029	0.15	7.663	0.045	3	0.018	0.1615
139	142	IEIL	17.01	300	2	0.184	9.202	0.087	3	0.035	0.15	7.803	0.029	3	0.012	0.299774
139	142	IEIL	17.01	3000	2	0.222	11.086	0.215	3	0.086	0.16	8.207	0.034	3	0.014	0.367505
139	142	IEIL	17.01	30000	2	0.153	7.641	0.101	3	0.041	0.14	7.367	0.058	3	0.023	0.852066
139	142	IEIL	17.01	86400	2	0.209	10.438	0.111	3	0.045	0.13	6.533	0.037	3	0.015	0.082171
139	149	IEILASRTNKE	11.77	30	9	1.564	17.381	0.102	3	0.041	1.62	18.078	0.176	3	0.071	0.271732
139	149	IEILASRTNKE	11.77	300	9	1.649	18.322	0.034	3	0.014	1.66	18.456	0.048	3	0.019	0.430441
139	149	IEILASRTNKE	11.77	3000	9	2.043	22.705	0.063	3	0.025	2.01	22.409	0.116	3	0.047	0.446599

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
139	149	IEILASRTNKE	11.77	30000	9	2.646	29.403	0.161	3	0.065	2.61	28.997	0.345	3	0.139	0.708908
139	149	IEILASRTNKE	11.77	86400	9	2.648	29.419	0.715	2	0.08	2.72	30.231	0.087	3	0.035	0.4018
139	156	IEILASRTNKEIRDINRV	16.83	30	16	1.574	9.839	0.366	3	0.147	1.70	10.636	0.733	3	0.295	0.55202
139	156	IEILASRTNKEIRDINRV	16.83	300	16	1.578	9.864	0.186	3	0.075	1.49	9.364	0.732	3	0.295	0.689024
139	156	IEILASRTNKEIRDINRV	16.83	3000	16	2.265	14.158	0.964	3	0.388	1.94	12.18	0.671	3	0.27	0.317906
139	156	IEILASRTNKEIRDINRV	16.83	30000	16	3.284	20.524	0.194	3	0.078	3.33	20.819	0.24	3	0.096	0.54793
139	156	IEILASRTNKEIRDINRV	16.83	86400	16	3.749	23.432	0.361	3	0.145	3.82	23.882	0.17	3	0.068	0.497388
139	161	IEILASRTNKEIRDINRVYREEL	18.94	30	21	2.366	11.264	0.44	3	0.177	2.20	10.516	0.313	3	0.126	0.285574
139	161	IEILASRTNKEIRDINRVYREEL	18.94	300	21	3.017	14.364	0.174	3	0.07	3.25	15.494	0.776	3	0.312	0.317649
139	161	IEILASRTNKEIRDINRVYREEL	18.94	3000	21	4.365	20.786	0.969	3	0.39	4.37	20.822	1.373	3	0.553	0.985813
139	161	IEILASRTNKEIRDINRVYREEL	18.94	30000	21	6.152	29.295	0.252	3	0.102	5.99	28.56	0.51	3	0.205	0.329657
139	161	IEILASRTNKEIRDINRVYREEL	18.94	86400	21	6.956	33.122	0.214	3	0.086	6.77	32.259	0.339	3	0.137	0.136773
139	181	TSDTSGDFRNAL IEILASRTNKEIRDINRVYREELKRDIAKDI	19.74	30	41	6.601	16.101	0.745	3	0.3	6.25	15.258	0.55	3	0.221	0.189941
139	181	TSDTSGDFRNAL IEILASRTNKEIRDINRVYREELKRDIAKDI	19.74	300	41	8.322	20.297	0.336	3	0.135	7.87	19.207	0.762	3	0.307	0.112317
139	181	TSDTSGDFRNAL IEILASRTNKEIRDINRVYREELKRDIAKDI	19.74	3000	41	11.202	27.321	0.733	3	0.295	10.6	26.007	0.318	3	0.128	0.070157
139	181	TSDTSGDFRNAL IEILASRTNKEIRDINRVYREELKRDIAKDI	19.74	30000	41	14.769	36.022	0.398	3	0.16	14.0	34.381	0.946	3	0.381	0.075693
139	181	TSDTSGDFRNAL IEILASRTNKEIRDINRVYREELKRDIAKDI	19.74	86400	41	16.43	40.073	0.888	3	0.358	15.6	38.126	0.31	3	0.125	0.048393
139	182	TSDTSGDFRNALL	20.05	30	42	6.468	15.399	1.074	3	0.432	6.33	15.093	0.316	3	0.127	0.664053

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
139	182	IEILASRTNKEIRDINRVYREELKRDIAKDI TSDTSGDFRNALL	20.05	300	42	8.182	19.481	0.867	3	0.349	7.84	18.671	0.461	3	0.186	0.231337
139	182	IEILASRTNKEIRDINRVYREELKRDIAKDI TSDTSGDFRNALL	20.05	3000	42	10.695	25.464	0.522	3	0.21	10.5	25.048	0.379	3	0.153	0.314671
139	182	IEILASRTNKEIRDINRVYREELKRDIAKDI TSDTSGDFRNALL	20.05	30000	42	14.601	34.764	1.498	3	0.603	13.9	33.165	0.905	3	0.364	0.189237
139	182	IEILASRTNKEIRDINRVYREELKRDIAKDI TSDTSGDFRNALL	20.05	86400	42	15.676	37.323	1.488	3	0.599	15.7	37.405	1.034	3	0.416	0.93878
143	156	ASRTNKEIRDINRV	7.87	30	12	2.2	18.33	1.449	3	0.583	1.96	16.384	0.315	3	0.127	0.562653
143	156	ASRTNKEIRDINRV	7.87	300	12	1.961	16.34	1.326	2	0.148	1.96	16.384	0.189	3	0.076	0.968579
143	156	ASRTNKEIRDINRV	7.87	3000	12	2.377	19.812	0.681	3	0.274	2.35	19.6	0.336	3	0.135	0.894978
143	156	ASRTNKEIRDINRV	7.87	30000	12	3.259	27.158	1.028	3	0.414	3.20	26.677	0.796	3	0.32	0.858294
143	156	ASRTNKEIRDINRV	7.87	86400	12	3.299	27.49	0.109	2	0.012	3.66	30.542	0.238	3	0.096	0.019963
143	161	ASRTNKEIRDINRVYREEL	16.51	30	17	1.967	11.572	1.75	3	0.705	1.84	10.861	1.88	3	0.757	0.849406
143	161	ASRTNKEIRDINRVYREEL	16.51	300	17	2.876	16.919	1.705	3	0.686	2.02	11.884	0.901	3	0.363	0.151031
143	161	ASRTNKEIRDINRVYREEL	16.51	3000	17	3.408	20.046	1.204	3	0.485	3.33	19.623	1.354	3	0.545	0.872716
143	161	ASRTNKEIRDINRVYREEL	16.51	30000	17	4.402	25.897	0.247	3	0.099	4.55	26.792	0.929	3	0.374	0.558207
143	161	ASRTNKEIRDINRVYREEL	16.51	86400	17	4.978	29.28	0.726	3	0.292	4.81	28.303	1.239	3	0.499	0.650456
143	168	ASRTNKEIRDINRVYREELKRDIAKDI	17.19	30	24	3.949	16.455	1.176	3	0.473	3.45	14.398	0.296	3	0.119	0.207554
143	168	ASRTNKEIRDINRVYREELKRDIAKDI	17.19	300	24	5.277	21.989	0.523	3	0.211	4.83	20.132	0.475	3	0.191	0.053898
143	168	ASRTNKEIRDINRVYREELKRDIAKDI	17.19	3000	24	6.632	27.635	0.275	3	0.111	6.39	26.637	0.382	3	0.154	0.100607
143	168	ASRTNKEIRDINRVYREELKRDIAKDI	17.19	30000	24	8.896	37.067	0.619	3	0.249	8.63	35.997	0.515	3	0.207	0.244017

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
143	168	ASRTNKEIRDINRVYREELKRDLAKD ASRTNKEIRDINRVYREELKRDLAKDITSD	17.19	86400	24	9.502	39.591	1.347	3	0.542	8.87 7	36.989	0.473	3	0.19	0.175142
143	181	TSGDFRNAL ASRTNKEIRDINRVYREELKRDLAKDITSD	19.04	30	37	6.008	16.237	0.779	3	0.314	5.61 7.19	15.161	0.616	3	0.248	0.163328 0.007543
143	181	TSGDFRNAL ASRTNKEIRDINRVYREELKRDLAKDITSD	19.04	300	37	7.575	20.473	0.229	3	0.092	2 9.63	19.439	0.237	3	0.095	38
143	181	TSGDFRNAL ASRTNKEIRDINRVYREELKRDLAKDITSD	19.04	3000	37	10.005	27.041	0.814	3	0.328	6 12.5	26.043	0.126	3	0.051	0.187601 0.053228
143	181	TSGDFRNAL ASRTNKEIRDINRVYREELKRDLAKDITSD	19.04	30000	37	13.196	35.664	0.344	3	0.138	01 13.9	33.787	0.83	3	0.334	1
143	181	TSGDFRNAL	19.04	86400	37	14.374	38.849	0.771	3	0.31	86 4.84	37.799	0.126	3	0.051	0.159404
157	181	YREELKRDLAKDITSDTSGDFRNAL	18.73	30	23	4.914	21.365	0.361	3	0.145	9 5.66	21.085	0.224	3	0.09	0.556436
157	181	YREELKRDLAKDITSDTSGDFRNAL	18.73	300	23	6.093	26.491	0.806	3	0.325	4 7.02	24.627	0.188	3	0.076	0.143186
157	181	YREELKRDLAKDITSDTSGDFRNAL	18.73	3000	23	7.116	30.94	1.869	3	0.753	2 8.30	30.532	0.49	3	0.197	0.851704 0.097162
157	181	YREELKRDLAKDITSDTSGDFRNAL	18.73	30000	23	8.899	38.689	0.476	3	0.192	1 8.90	36.09	0.957	3	0.385	1
157	181	YREELKRDLAKDITSDTSGDFRNAL	18.73	86400	23	9.43	41.001	0.591	3	0.238	6 4.59	38.722	0.109	3	0.044	0.058038
162	181	KRDLAKDITSDTSGDFRNAL	18.08	30	18	4.585	25.474	0.36	3	0.145	2 5.13	25.511	0.312	3	0.126	0.955373
162	181	KRDLAKDITSDTSGDFRNAL	18.08	300	18	5.188	28.819	0.31	3	0.125	6 6.10	28.534	0.097	3	0.039	0.556338
162	181	KRDLAKDITSDTSGDFRNAL	18.08	3000	18	5.793	32.181	1.631	3	0.657	2 7.05	33.898	0.103	3	0.042	0.500771
162	181	KRDLAKDITSDTSGDFRNAL	18.08	30000	18	7.359	40.886	0.133	3	0.053	6 7.65	39.202	0.724	3	0.291	0.210494
162	181	KRDLAKDITSDTSGDFRNAL	18.08	86400	18	7.558	41.987	1.444	3	0.581	9 2.38	42.549	0.155	3	0.062	0.792294
169	181	ITSDTSGDFRNAL	16.95	30	11	2.311	21.014	0.166	3	0.067	7 2.55	21.703	0.196	3	0.079	0.273685
169	181	ITSDTSGDFRNAL	16.95	300	11	2.509	22.808	0.15	3	0.061	8	23.253	0.047	3	0.019	0.294351

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
169	181	ITSDTSGDFRNAL	16.95	3000	11	2.797	25.43	0.906	3	0.365	2.97	27.04	0.115	3	0.046	0.489429
169	181	ITSDTSGDFRNAL	16.95	30000	11	3.651	33.189	0.076	3	0.031	3.55	32.355	0.406	3	0.164	0.434764
169	181	ITSDTSGDFRNAL	16.95	86400	11	3.732	33.931	1.026	3	0.413	3.86	35.147	0.153	3	0.062	0.632561
177	181	FRNAL	9.82	30	3	0.531	17.687	0.192	3	0.077	0.51	17.09	0.119	3	0.048	0.753115
177	181	FRNAL	9.82	300	3	0.427	14.219	0.358	3	0.144	0.49	16.35	0.058	3	0.023	0.523497
177	181	FRNAL	9.82	3000	3	0.696	23.192	0.154	3	0.062	0.69	23.033	0.087	3	0.035	0.914507
177	181	FRNAL	9.82	30000	3	0.921	30.71	0.161	3	0.065	0.82	27.561	0.066	3	0.026	0.113222
177	181	FRNAL	9.82	86400	3	0.916	30.54	0.518	3	0.209	1.06	35.318	0.208	3	0.084	0.360282
182	199	LSLAKGDRSEDFGVNEDL	18.3	30	16	3.81	23.811	1.435	3	0.578	3.57	22.366	0.166	3	0.067	0.560324
182	199	LSLAKGDRSEDFGVNEDL	18.3	300	16	4.344	27.148	0.885	3	0.356	4.1	25.626	0.149	3	0.06	0.358029
182	199	LSLAKGDRSEDFGVNEDL	18.3	3000	16	4.144	25.903	1.792	3	0.721	4.47	27.991	0.15	3	0.06	0.506912
182	199	LSLAKGDRSEDFGVNEDL	18.3	30000	16	4.828	30.174	0.298	3	0.12	4.58	28.653	1.155	3	0.465	0.463154
182	199	LSLAKGDRSEDFGVNEDL	18.3	86400	16	4.887	30.545	1.152	3	0.464	4.74	29.657	0.124	3	0.05	0.649258
182	203	LSLAKGDRSEDFGVNEDLADSD	17.97	30	20	5.184	25.918	1.031	3	0.415	4.39	21.97	0.187	3	0.075	0.076651
182	203	LSLAKGDRSEDFGVNEDLADSD	17.97	300	20	5.933	29.663	1.119	3	0.45	5.06	25.321	0.213	3	0.086	0.074289
182	203	LSLAKGDRSEDFGVNEDLADSD	17.97	3000	20	5.889	29.443	1.937	3	0.78	5.69	28.471	0.223	3	0.09	0.708763
182	203	LSLAKGDRSEDFGVNEDLADSD	17.97	30000	20	6.555	32.777	0.469	3	0.189	6.04	30.206	0.978	3	0.394	0.138043
182	203	LSLAKGDRSEDFGVNEDLADSD	17.97	86400	20	6.965	34.827	1.676	3	0.675	6.10	30.517	0.23	3	0.092	0.155048
182	204	LSLAKGDRSEDFGVNEDLADSDA	18.05	30	21	5.162	24.582	1.062	3	0.428	4.27	20.34	0.131	3	0.053	0.066862

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
182	204	LSLAKGDRSEDFGVNEDLADSDA	18.05	300	21	6.011	28.624	1.019	3	0.41	5.02	23.912	0.206	3	0.083	0.047871
182	204	LSLAKGDRSEDFGVNEDLADSDA	18.05	3000	21	6.034	28.731	1.755	3	0.707	5.66	26.962	0.215	3	0.087	0.458957
182	204	LSLAKGDRSEDFGVNEDLADSDA	18.05	30000	21	6.767	32.223	0.361	3	0.145	5.93	28.258	1.114	3	0.448	0.072851
182	204	LSLAKGDRSEDFGVNEDLADSDA	18.05	86400	21	7.107	33.842	1.749	3	0.704	6.06	28.895	0.198	3	0.08	0.123204
182	206	LSLAKGDRSEDFGVNEDLADSDARA	17.64	30	23	5.63	24.478	1.165	3	0.469	4.80	20.879	0.281	3	0.113	0.084999
182	206	LSLAKGDRSEDFGVNEDLADSDARA	17.64	300	23	6.471	28.133	0.976	3	0.393	5.49	23.895	0.041	3	0.016	0.049952
182	206	LSLAKGDRSEDFGVNEDLADSDARA	17.64	3000	23	6.651	28.919	1.786	3	0.719	6.20	26.981	0.245	3	0.099	0.395252
182	206	LSLAKGDRSEDFGVNEDLADSDARA	17.64	30000	23	8.133	35.363	0.535	3	0.215	6.55	28.479	1.058	3	0.426	0.010853
182	206	LSLAKGDRSEDFGVNEDLADSDARA	17.64	86400	23	8.428	36.642	1.841	3	0.741	6.71	29.192	0.184	3	0.074	0.055760
182	207	LSLAKGDRSEDFGVNEDLADSDARAL	18.66	30	24	5.227	21.777	1.221	3	0.491	4.32	18.005	0.246	3	0.099	0.080399
182	207	LSLAKGDRSEDFGVNEDLADSDARAL	18.66	300	24	6.012	25.051	0.94	3	0.378	5.13	21.409	0.327	3	0.132	0.044867
182	207	LSLAKGDRSEDFGVNEDLADSDARAL	18.66	3000	24	6.315	26.312	1.265	3	0.509	5.71	23.826	0.468	3	0.188	0.169598
182	207	LSLAKGDRSEDFGVNEDLADSDARAL	18.66	30000	24	8.112	33.799	1.046	3	0.421	5.98	24.923	0.962	3	0.387	0.003044
182	207	LSLAKGDRSEDFGVNEDLADSDARAL	18.66	86400	24	8.591	35.796	1.427	3	0.574	6.09	25.411	0.267	3	0.108	0.014743
182	221	AGERRKGTDVNV	18.87	30	38	10.77	28.342	2.094	3	0.843	7	22.177	0.327	3	0.132	0.037753
182	221	LSLAKGDRSEDFGVNEDLADSDARALYE	18.87	300	38	12.467	32.809	1.299	3	0.523	9.71	25.577	0.3	3	0.121	0.009043
182	221	AGERRKGTDVNV	18.87	3000	38	13.75	36.183	1.257	3	0.506	11.0	29.021	0.384	3	0.155	0.007099
182	221	LSLAKGDRSEDFGVNEDLADSDARALYE	18.87	30000	38	16.613	43.719	1.661	3	0.669	11.9	31.468	1.899	3	0.764	0.001464
182	221	AGERRKGTDVNV	18.87	30000	38	16.613	43.719	1.661	3	0.669	58	31.468	1.899	3	0.764	0.001464

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
182	221	LSLAKGDRSEDFGVNEDLADSDARALYE	18.87	86400	38	17.171	45.187	0.795	3	0.32	12.7	33.566	1.042	3	0.42	0.000201
		AGERRKGTDVNV									55					47
182	222	LSLAKGDRSEDFGVNEDLADSDARALYE	19.3	30	39	10.438	26.764	2.08	3	0.837	8.19	21.015	0.423	3	0.17	0.038847
		AGERRKGTDVNVF									6					3
182	222	LSLAKGDRSEDFGVNEDLADSDARALYE	19.3	300	39	12.221	31.335	0.988	3	0.398	9.46	24.271	0.256	3	0.103	0.004568
		AGERRKGTDVNVF									6					83
182	222	LSLAKGDRSEDFGVNEDLADSDARALYE	19.3	3000	39	13.756	35.273	1.322	3	0.532	10.5	26.998	0.248	3	0.1	0.007308
		AGERRKGTDVNVF									29					9
182	222	LSLAKGDRSEDFGVNEDLADSDARALYE	19.3	30000	39	16.402	42.057	1.258	3	0.507	11.9	30.627	1.349	3	0.543	0.000495
		AGERRKGTDVNVF									45					0.000451
182	222	LSLAKGDRSEDFGVNEDLADSDARALYE	19.3	86400	39	17.029	43.664	0.742	3	0.299	12.6	32.385	0.279	3	0.112	94
		AGERRKGTDVNVF									3					0.026932
182	226	LSLAKGDRSEDFGVNEDLADSDARALYE	20.16	30	43	10.894	25.335	2.102	3	0.846	8.34	19.401	0.617	3	0.249	3
		AGERRKGTDVNVFNTIL									3					0.000479
182	226	LSLAKGDRSEDFGVNEDLADSDARALYE	20.16	300	43	13.04	30.325	0.859	3	0.346	9.72	22.618	0.51	3	0.205	8
		AGERRKGTDVNVFNTIL									6					0.003252
182	226	LSLAKGDRSEDFGVNEDLADSDARALYE	20.16	3000	43	15.403	35.82	1.287	3	0.518	11.2	26.24	0.345	3	0.139	56
		AGERRKGTDVNVFNTIL									83					0.001298
182	226	LSLAKGDRSEDFGVNEDLADSDARALYE	20.16	30000	43	18.262	42.469	1.51	3	0.608	13.1	30.576	2.007	3	0.808	74
		AGERRKGTDVNVFNTIL									47					0.001298
182	226	LSLAKGDRSEDFGVNEDLADSDARALYE	20.16	86400	43	19.274	44.824	0.912	3	0.367	13.9	32.421	0.653	3	0.263	7.08E-05
		AGERRKGTDVNVFNTIL									41					0.001298
183	204	SLAKGDRSEDFGVNEDLADSDA	17.3	30	20	5.581	27.906	1.266	3	0.51	4.89	24.489	0.302	3	0.122	0.139328
		SLAKGDRSEDFGVNEDLADSDA									8					0.077159
183	204	SLAKGDRSEDFGVNEDLADSDA	17.3	300	20	6.498	32.49	1.16	3	0.467	5.61	28.049	0.197	3	0.079	1
		SLAKGDRSEDFGVNEDLADSDA									6.35					0.079
183	204	SLAKGDRSEDFGVNEDLADSDA	17.3	3000	20	6.452	32.262	2.1	3	0.845	8	31.788	0.092	3	0.037	0.864086
		SLAKGDRSEDFGVNEDLADSDA									6.80					0.864086
183	204	SLAKGDRSEDFGVNEDLADSDA	17.3	30000	20	7.378	36.892	0.14	3	0.056	4	34.021	1.344	3	0.541	0.206447
		SLAKGDRSEDFGVNEDLADSDA									6.96					0.206447
183	204	SLAKGDRSEDFGVNEDLADSDA	17.3	86400	20	7.396	36.978	1.417	3	0.57	1	34.806	0.162	3	0.065	0.317434
		SLAKGDRSEDFGVNEDLADSDARA									7.22					0.075589
183	206	SLAKGDRSEDFGVNEDLADSDARA	16.9	30	22	5.9	26.818	1.733	3	0.698	9	32.861	1.04	2	0.116	6
		SLAKGDRSEDFGVNEDLADSDARA									5.85					0.116
183	206	SLAKGDRSEDFGVNEDLADSDARA	16.9	300	22	6.552	29.782	1.12	3	0.451	1	26.593	0.223	3	0.09	0.109274

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
183	206	SLAKGDRSEDFGVNEDLADSDARA	16.9	3000	22	6.787	30.849	2.34	3	0.942	6.44	29.304	0.462	3	0.186	0.598181
											7					0.024171
183	206	SLAKGDRSEDFGVNEDLADSDARA	16.9	30000	22	8.288	37.675	1.279	3	0.515	6.91	31.439	0.989	3	0.398	7
											6.94					0.024608
183	206	SLAKGDRSEDFGVNEDLADSDARA	16.9	86400	22	8.347	37.941	1.155	3	0.465	7	31.577	0.406	3	0.164	4
		SLAKGDRSEDFGVNEDLADSDARALYEA									8.26					0.039651
183	222	GERRKGTDVNVF	19.25	30	38	10.691	28.134	2.19	3	0.882	8	21.758	0.269	3	0.108	6
		SLAKGDRSEDFGVNEDLADSDARALYEA									9.70					0.003890
183	222	GERRKGTDVNVF	19.25	300	38	12.544	33.011	1.036	3	0.417	9	25.549	0.333	3	0.134	01
		SLAKGDRSEDFGVNEDLADSDARALYEA									10.9					0.005507
183	222	GERRKGTDVNVF	19.25	3000	38	14.098	37.101	1.291	3	0.52	02	28.689	0.369	3	0.149	54
		SLAKGDRSEDFGVNEDLADSDARALYEA									12.2					0.000738
183	222	GERRKGTDVNVF	19.25	30000	38	16.809	44.233	1.104	3	0.445	98	32.364	1.502	3	0.605	49
		SLAKGDRSEDFGVNEDLADSDARALYEA									12.8					0.000420
183	222	GERRKGTDVNVF	19.25	86400	38	17.552	46.189	0.797	3	0.321	89	33.917	0.314	3	0.127	27
											4.62					0.059144
185	204	AKGDRSEDFGVNEDLADSDA	16.93	30	18	5.549	30.827	1.098	3	0.442	7	25.707	0.319	3	0.128	5
											5.15					0.087137
185	204	AKGDRSEDFGVNEDLADSDA	16.93	300	18	6.165	34.249	1.537	3	0.619	7	28.652	0.83	3	0.334	5
											5.93					
185	204	AKGDRSEDFGVNEDLADSDA	16.93	3000	18	5.904	32.801	2.272	3	0.914	1	32.952	0.213	3	0.086	0.963766
											6.17					
185	204	AKGDRSEDFGVNEDLADSDA	16.93	30000	18	6.724	37.356	0.217	3	0.087	3	34.292	1.12	3	0.451	0.163942
185	204	AKGDRSEDFGVNEDLADSDA	16.93	86400	18	6.49	36.055	1.308	3	0.527	6.32	35.11	0.358	3	0.144	0.636967
		AKGDRSEDFGVNEDLADSDARALYEA									8.04					0.027315
185	222	RRKGTDVNVF	19.2	30	36	10.469	29.079	1.98	3	0.797	3	22.342	0.537	3	0.216	2
		AKGDRSEDFGVNEDLADSDARALYEA									9.29					0.005684
185	222	RRKGTDVNVF	19.2	300	36	12.13	33.696	1.022	3	0.411	7	25.824	0.184	3	0.074	02
		AKGDRSEDFGVNEDLADSDARALYEA									10.5					0.004925
185	222	RRKGTDVNVF	19.2	3000	36	13.443	37.342	1.439	3	0.579	62	29.338	0.714	3	0.287	33
		AKGDRSEDFGVNEDLADSDARALYEA									11.7					0.002100
185	222	RRKGTDVNVF	19.2	30000	36	16.053	44.592	0.663	3	0.267	11	32.53	1.494	3	0.601	24
		AKGDRSEDFGVNEDLADSDARALYEA									12.4					0.002764
185	222	RRKGTDVNVF	19.2	86400	36	16.876	46.878	1.224	3	0.493	39	34.553	0.286	3	0.115	57

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
185	226	AKGDRSEDFGVNEDLADSDARALYEAGE	20.14	30	40	10.819	27.049	1.957	3	0.788	8.37	20.937	0.584	3	0.235	0.025089
		5									7					
185	226	AKGDRSEDFGVNEDLADSDARALYEAGE	20.14	300	40	12.83	32.075	0.905	3	0.364	9.65	24.131	0.367	3	0.148	0.001502
		2									47					
185	226	AKGDRSEDFGVNEDLADSDARALYEAGE	20.14	3000	40	15.122	37.806	1.282	3	0.516	11.1	27.946	0.472	3	0.19	0.002466
		79									47					
185	226	AKGDRSEDFGVNEDLADSDARALYEAGE	20.14	30000	40	17.933	44.831	1.129	3	0.455	12.8	32.005	1.417	3	0.57	0.000343
		02									17					
185	226	AKGDRSEDFGVNEDLADSDARALYEAGE	20.14	86400	40	18.871	47.176	0.993	3	0.4	13.6	34.099	0.255	3	0.103	0.001099
		4									97					
193	206	FGVNEDLADSDARA	16.4	30	12	3.902	32.516	1.051	3	0.423	2.99	24.943	0.327	3	0.131	0.054588
		3									5					
193	206	FGVNEDLADSDARA	16.4	300	12	4.418	36.816	1.048	3	0.422	3.34	27.859	0.301	3	0.121	0.039061
		3									9					
193	206	FGVNEDLADSDARA	16.4	3000	12	4.181	34.844	2.183	3	0.879	4.01	33.466	0.426	3	0.171	0.777402
		6									47					
193	206	FGVNEDLADSDARA	16.4	30000	12	5.87	48.916	0.299	3	0.12	4.53	37.773	0.487	3	0.196	0.001338
		3									19					
193	206	FGVNEDLADSDARA	16.4	86400	12	5.551	46.259	2.065	3	0.831	4.63	38.654	0.425	3	0.171	0.193627
		8									9					
193	226	FGVNEDLADSDARALYEAGERRRGGTDV	20.41	30	32	9.416	29.425	1.675	3	0.674	6.92	21.631	0.565	3	0.227	0.015695
		2									9					
193	226	FGVNEDLADSDARALYEAGERRRGGTDV	20.41	300	32	11.266	35.207	1.411	3	0.568	8.02	25.076	0.195	3	0.078	0.009070
		4									08					
193	226	FGVNEDLADSDARALYEAGERRRGGTDV	20.41	3000	32	13.342	41.694	1.374	3	0.553	9.58	29.937	0.797	3	0.321	0.001496
		4									08					
193	226	FGVNEDLADSDARALYEAGERRRGGTDV	20.41	30000	32	16.188	50.589	1.417	3	0.57	11.1	34.992	1.037	3	0.418	0.000419
		97									34					
193	226	FGVNEDLADSDARALYEAGERRRGGTDV	20.41	86400	32	16.92	52.876	1.052	2	0.117	11.9	37.235	1.37	2	0.153	0.001069
		15									22					
197	226	EDLADSDARALYEAGERRRGGTDVNVFNT	20.19	30	28	8.079	28.853	1.07	3	0.431	5.82	20.797	0.39	3	0.157	0.006365
		3									29					
197	226	EDLADSDARALYEAGERRRGGTDVNVFNT	20.19	300	28	9.962	35.578	0.679	3	0.273	6.98	24.93	0.345	3	0.139	0.000486
		6.98									14					
197	226	EDLADSDARALYEAGERRRGGTDVNVFNT	20.19	3000	28	12.156	43.414	1.315	3	0.529	8.27	29.565	0.054	3	0.022	0.006083
		8									96					

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
197	226	EDLADSDARALYEAGERRKGTDVNVFNT IL	20.19	30000	28	15.253	54.476	0.919	3	0.37	9.76	34.863	0.984	3	0.396	6.41E-05
197	226	EDLADSDARALYEAGERRKGTDVNVFNT IL	20.19	86400	28	15.836	56.559	1.096	3	0.441	10.4	37.394	0.376	3	0.151	0.000873
200	221	ADSDARALYEAGERRKGTDVNV	15.38	30	20	6.354	31.77	0.832	3	0.335	5.32	26.622	0.457	3	0.184	0.017151
200	221	ADSDARALYEAGERRKGTDVNV	15.38	300	20	7.194	35.969	0.795	3	0.32	6.14	30.728	0.268	3	0.108	0.020808
200	221	ADSDARALYEAGERRKGTDVNV	15.38	3000	20	7.563	37.816	1.997	3	0.804	6.55	32.771	0.396	3	0.159	0.157206
200	221	ADSDARALYEAGERRKGTDVNV	15.38	30000	20	10.373	51.867	0.654	3	0.263	7.14	35.726	0.679	3	0.273	0.000124
200	221	ADSDARALYEAGERRKGTDVNV	15.38	86400	20	10.634	53.172	1.786	3	0.719	7.59	37.957	0.198	3	0.08	0.017131
200	222	ADSDARALYEAGERRKGTDVNVF	17.37	30	21	5.94	28.286	1.195	3	0.481	5.02	23.932	0.413	3	0.166	0.068298
200	222	ADSDARALYEAGERRKGTDVNVF	17.37	300	21	6.869	32.707	0.63	3	0.254	5.68	27.082	0.104	3	0.042	0.013205
200	222	ADSDARALYEAGERRKGTDVNVF	17.37	3000	21	6.585	31.356	2.002	3	0.806	6.23	29.695	0.144	3	0.058	0.532027
200	222	ADSDARALYEAGERRKGTDVNVF	17.37	30000	21	10.125	48.216	1.101	3	0.443	7.09	33.799	0.678	3	0.273	0.001321
200	222	ADSDARALYEAGERRKGTDVNVF	17.37	86400	21	10.911	51.958	1.542	3	0.621	7.51	35.791	0.14	3	0.057	0.010475
205	222	RALYEAGERRKGTDVNVF	15.66	30	16	3.887	24.291	1.156	3	0.465	3.66	22.893	0.232	3	0.094	0.494392
205	222	RALYEAGERRKGTDVNVF	15.66	300	16	4.576	28.599	1.285	3	0.517	4.17	26.121	0.048	3	0.019	0.315582
205	222	RALYEAGERRKGTDVNVF	15.66	3000	16	4.572	28.573	2.478	3	0.998	4.41	27.561	0.233	3	0.094	0.805585
205	222	RALYEAGERRKGTDVNVF	15.66	30000	16	5.829	36.429	0.155	3	0.062	5.02	31.41	0.894	3	0.36	0.056989
205	222	RALYEAGERRKGTDVNVF	15.66	86400	16	5.561	34.755	2.023	3	0.814	5.31	33.192	0.227	3	0.091	0.648673
205	226	RALYEAGERRKGTDVNVFNTIL	19.38	30	20	4.664	23.318	0.972	3	0.391	3.77	18.892	0.437	3	0.176	0.042412

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
205	226	RALYEAGERRKGTDVNVFNTIL	19.38	300	20	5.952	29.76	0.722	3	0.291	4.44	22.245	0.225	3	0.09	0.007668
205	226	RALYEAGERRKGTDVNVFNTIL	19.38	3000	20	7.403	37.017	0.493	3	0.199	9	25.574	0.301	3	0.121	0.000246
205	226	RALYEAGERRKGTDVNVFNTIL	19.38	30000	20	8.336	41.682	0.256	3	0.103	5.11	30.425	0.91	3	0.366	0.005613
205	226	RALYEAGERRKGTDVNVFNTIL	19.38	86400	20	9.233	46.166	0.191	3	0.077	6.08	33.69	0.1	3	0.04	1.65E-05
207	222	LYEAGERRKGTDVNVF	15.67	30	14	3.963	28.307	1.232	3	0.496	6.73	26.309	0.243	3	0.098	0.432708
207	222	LYEAGERRKGTDVNVF	15.67	300	14	4.654	33.245	1.471	3	0.592	3.68	30.204	0.061	3	0.025	0.339104
207	222	LYEAGERRKGTDVNVF	15.67	3000	14	4.558	32.556	2.68	3	1.079	4.22	32.42	0.221	3	0.089	0.978523
207	222	LYEAGERRKGTDVNVF	15.67	30000	14	5.666	40.471	0.206	3	0.083	4.53	36.211	0.897	3	0.361	0.096730
207	222	LYEAGERRKGTDVNVF	15.67	86400	14	5.235	37.39	2.197	3	0.884	9	37.58	0.249	3	0.1	0.963451
207	226	LYEAGERRKGTDVNVFNTIL	19.72	30	18	4.061	22.559	1.097	3	0.442	5.07	18.413	0.35	3	0.141	0.088189
207	226	LYEAGERRKGTDVNVFNTIL	19.72	300	18	5.066	28.145	0.598	3	0.241	5.26	22.039	0.098	3	0.039	0.013782
207	226	LYEAGERRKGTDVNVFNTIL	19.72	3000	18	6.391	35.505	0.625	3	0.251	3.31	25.41	0.316	3	0.127	0.001632
207	226	LYEAGERRKGTDVNVFNTIL	19.72	30000	18	7.03	39.055	0.879	3	0.354	4.57	29.783	0.873	3	0.352	0.004412
207	226	LYEAGERRKGTDVNVFNTIL	19.72	86400	18	7.269	40.381	0.277	3	0.111	5.36	32.524	0.099	3	0.04	0.000727
208	222	YEAGERRKGTDVNVF	14.09	30	13	4.101	31.549	1.051	3	0.423	5.85	29.211	0.165	3	0.066	0.338898
208	222	YEAGERRKGTDVNVF	14.09	300	13	5.032	38.711	0.21	3	0.084	3.79	33.644	0.086	3	0.035	0.001966
208	222	YEAGERRKGTDVNVF	14.09	3000	13	5.318	40.906	1.065	3	0.429	4.37	35.842	0.165	3	0.067	0.113851
208	222	YEAGERRKGTDVNVF	14.09	30000	13	5.46	41.997	0.07	3	0.028	4.66	40.254	0.846	3	0.341	0.368373

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
208	222	YEAGERRKGTDVNVF	14.09	86400	13	4.965	38.19	3.719	2	0.414	5.45	41.958	0.431	3	0.173	0.32187
222	226	FNTIL	18.15	30	3	0.816	27.212	0.394	3	0.159	0.71	23.716	0.039	3	0.016	0.370784
222	226	FNTIL	18.15	300	3	1.071	35.711	0.458	3	0.184	0.46	15.436	0.081	3	0.033	0.026283
222	226	FNTIL	18.15	3000	3	1.326	44.203	0.19	3	0.076	0.82	27.322	0.441	3	0.177	0.024664
222	226	FNTIL	18.15	30000	3	1.688	56.264	0.222	3	0.089	0.87	29.194	0.155	3	0.063	0.000396
222	226	FNTIL	18.15	86400	3	1.785	59.486	0.523	3	0.211	1.16	38.742	0.189	3	0.076	0.025315
222	234	FNTILTTRSYPQL	19.48	30	10	2.186	21.861	0.572	3	0.23	1.78	17.884	0.343	3	0.138	0.076043
222	234	FNTILTTRSYPQL	19.48	300	10	2.682	26.817	0.099	3	0.04	2.49	20.002	0.186	3	0.075	0.000741
222	234	FNTILTTRSYPQL	19.48	3000	10	4.117	41.17	0.38	3	0.153	3.04	24.931	0.176	3	0.071	0.000658
222	234	FNTILTTRSYPQL	19.48	30000	10	5.499	54.986	0.273	2	0.03	3.54	30.407	0.242	3	0.097	0.000127
222	234	FNTILTTRSYPQL	19.48	86400	10	6.433	64.326	1.82	3	0.733	0.39	35.453	0.082	3	0.033	0.020613
223	228	NTILTT	9.34	30	4	0.564	14.106	0.184	3	0.074	0.46	9.826	0.157	3	0.063	0.039428
223	228	NTILTT	9.34	300	4	0.701	17.515	0.076	3	0.031	0.56	11.565	0.113	3	0.045	0.002778
223	228	NTILTT	9.34	3000	4	1.518	37.942	0.148	3	0.06	0.87	14.043	0.041	3	0.016	0.000639
223	228	NTILTT	9.34	30000	4	2.396	59.905	0.06	3	0.024	1.28	21.921	0.074	3	0.03	4.55E-07
223	228	NTILTT	9.34	86400	4	2.636	65.907	0.451	2	0.05	1.88	32.143	0.104	3	0.042	0.001202
223	234	NTILTTRSYPQL	18.43	30	9	1.927	21.415	0.104	3	0.042	1.96	20.895	0.28	3	0.113	0.556644
223	234	NTILTTRSYPQL	18.43	300	9	2.286	25.404	0.148	3	0.059	1.96	21.777	0.149	3	0.06	0.002597

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	%D	Conf Interval (#D)	#Pts	Stddev	p		
												2.46					0.006114
223	234	NTILTTRSYDQL	18.43	3000	9	3.574	39.716	0.466	3	0.188	4	27.375	0.131	3	0.053		3
											2.98						0.000373
223	234	NTILTTRSYDQL	18.43	30000	9	5.206	57.847	0.378	3	0.152	3	33.14	0.156	3	0.063		3
											3.52						0.000192
223	234	NTILTTRSYDQL	18.43	86400	9	5.747	63.853	0.459	3	0.185	8	39.202	0.291	3	0.117		3
		NTILTTRSYDQLRRVFQKYTKYSKHDMNK									5.99						0.016532
223	257	VLDLEL	19.49	30	32	7.931	24.785	1.417	3	0.57	2	18.726	0.583	3	0.235		2
		NTILTTRSYDQLRRVFQKYTKYSKHDMNK									8.19						0.013459
223	257	VLDLEL	19.49	300	32	9.348	29.213	0.706	3	0.284	2	25.601	0.216	3	0.087		5
		NTILTTRSYDQLRRVFQKYTKYSKHDMNK									9.27						0.005650
223	257	VLDLEL	19.49	3000	32	11.355	35.483	0.728	3	0.293	8	28.993	0.112	3	0.045		64
		NTILTTRSYDQLRRVFQKYTKYSKHDMNK									10.3						0.001043
223	257	VLDLEL	19.49	30000	32	13.804	43.138	1.241	3	0.499	16	32.238	1.252	3	0.504		7
		NTILTTRSYDQLRRVFQKYTKYSKHDMNK									10.8						0.000333
223	257	VLDLEL	19.49	86400	32	15.214	47.545	0.8	3	0.322	58	33.932	0.371	3	0.149		66
											1.29						0.059684
227	234	TTRSYDQL	13.46	30	5	1.4	27.997	0.115	3	0.046	1	25.83	0.135	3	0.054		1
											1.48						0.002714
227	234	TTRSYDQL	13.46	300	5	1.627	32.544	0.06	3	0.024	7	29.741	0.033	3	0.013		1
											1.78						0.047285
227	234	TTRSYDQL	13.46	3000	5	2.052	41.038	0.274	3	0.11	8	35.765	0.063	3	0.025		7
											2.09						0.000944
227	234	TTRSYDQL	13.46	30000	5	2.789	55.786	0.106	3	0.043	8	41.967	0.202	3	0.082		97
																	0.008428
227	234	TTRSYDQL	13.46	86400	5	2.997	59.95	0.423	3	0.17	2.25	45.001	0.179	3	0.072		17
											3.98						0.026258
227	254	TTRSYDQLRRVFQKYTKYSKHDMNKVLD	17.36	30	25	5.052	20.207	0.814	3	0.328	4	15.936	0.161	3	0.065		3
											5.31						
227	254	TTRSYDQLRRVFQKYTKYSKHDMNKVLD	17.36	300	25	5.84	23.358	1.125	3	0.453	7	21.269	0.222	3	0.089		0.179743
											6.33						
227	254	TTRSYDQLRRVFQKYTKYSKHDMNKVLD	17.36	3000	25	7.062	28.25	1.376	3	0.554	9	25.358	0.199	3	0.08		0.149491
											6.95						0.008203
227	254	TTRSYDQLRRVFQKYTKYSKHDMNKVLD	17.36	30000	25	9.579	38.316	1.325	3	0.533	9	27.837	0.437	3	0.176		48
											7.55						0.006025
227	254	TTRSYDQLRRVFQKYTKYSKHDMNKVLD	17.36	86400	25	9.995	39.978	0.224	3	0.09	3	30.212	0.961	3	0.387		92

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
227	255	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.5	30	26	5.975	22.979	0.99	3	0.398	4.52	17.387	0.458	3	0.184	0.012453
		L									1					2
227	255	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.5	300	26	7.059	27.151	0.504	3	0.203	5.88	22.641	0.842	3	0.339	0.011466
		L									7					2
227	255	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.5	3000	26	8.322	32.008	0.19	3	0.077	6.94	26.694	0.852	3	0.343	0.016197
		L									8.02					7
227	255	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.5	30000	26	10.233	39.357	0.846	3	0.341	5	30.866	1.4	3	0.563	0.007831
		L									8.46					9
227	255	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.5	86400	26	11.037	42.451	0.932	3	0.375	2	32.546	0.36	3	0.145	0.003008
		L									5.46					33
227	257	LEL	18.94	30	28	7.212	25.756	0.901	3	0.363	2	19.507	0.404	3	0.163	0.006123
227	257	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.94	300	28	8.279	29.568	0.704	3	0.283	7.46	26.642	0.618	3	0.249	0.020330
		LEL									8.47					5
227	257	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.94	3000	28	9.66	34.5	0.573	3	0.231	1	30.254	0.114	3	0.046	0.010094
		LEL									9.20					5
227	257	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.94	30000	28	11.086	39.592	0.21	3	0.085	7	32.884	0.98	3	0.394	0.01155
		LEL									9.76					0.000107
227	257	TTRSYPQLRRVFQKYTKYSKHD MNKVLD	18.94	86400	28	12.034	42.977	0.315	3	0.127	1	34.861	0.161	3	0.065	68
		LEL									7.02					
227	267	LELKGDI EKCLTA	19.57	30	38	9.409	24.759	0.339	3	0.137	6	18.49	0.357	3	0.144	3.21E-05
		TTRSYPQLRRVFQKYTKYSKHD MNKVLD									9.56					0.000400
227	267	LELKGDI EKCLTA	19.57	300	38	11.72	30.841	0.473	3	0.19	4	25.169	0.615	3	0.248	46
		TTRSYPQLRRVFQKYTKYSKHD MNKVLD									10.7					
227	267	LELKGDI EKCLTA	19.57	3000	38	13.582	35.742	1.477	3	0.595	84	28.38		1	0	
		TTRSYPQLRRVFQKYTKYSKHD MNKVLD									12.3					
227	267	LELKGDI EKCLTA	19.57	30000	38	15.574	40.983	0.125	2	0.014	1	32.394		1	0	
		TTRSYPQLRRVFQKYTKYSKHD MNKVLD									13.1					0.031932
227	267	LELKGDI EKCLTA	19.57	86400	38	18.533	48.77	4.521	3	1.82	79	34.681	2.83	2	0.315	1
																0.035141
229	234	RSYPQL	14.39	30	3	0.75	25.011	0.073	3	0.029	0.82	27.339	0.039	3	0.016	1
											0.81					
229	234	RSYPQL	14.39	300	3	0.832	27.734	0.039	3	0.016	8	27.281	0.115	3	0.046	0.669463
											0.87					
229	234	RSYPQL	14.39	3000	3	0.891	29.703	0.085	3	0.034	3	29.096	0.031	3	0.012	0.462129

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
229	234	RSYPQL	14.39	30000	3	1.114	37.148	0.039	3	0.016	0.95	31.911	0.041	3	0.017	0.000289
229	234	RSYPQL	14.39	86400	3	1.258	41.947	0.053	2	0.006	7	32.749	0.059	3	0.024	0.001195
235	254	RRVFQKYTKYSKHD MNKVLD	13.16	30	18	3.559	19.772	0.962	3	0.387	0.98	15.277	0.672	3	0.27	0.047499
235	254	RRVFQKYTKYSKHD MNKVLD	13.16	300	18	4.139	22.993	1.111	3	0.447	2.75	21.628	0.029	3	0.012	0.441805
235	254	RRVFQKYTKYSKHD MNKVLD	13.16	3000	18	4.142	23.014	1.781	3	0.717	3.89	23.681	0.188	3	0.076	0.799561
235	254	RRVFQKYTKYSKHD MNKVLD	13.16	30000	18	5.151	28.618	0.054	3	0.022	4.26	24.791	0.797	3	0.321	0.064747
235	254	RRVFQKYTKYSKHD MNKVLD	13.16	86400	18	5.06	28.111	1.801	3	0.725	4.46	26.913	0.191	3	0.077	0.658318
235	255	RRVFQKYTKYSKHD MNKVL DL	15.94	30	19	4.489	23.628	0.538	3	0.216	4.84	17.742	0.146	3	0.059	0.008530
235	255	RRVFQKYTKYSKHD MNKVL DL	15.94	300	19	4.999	26.312	0.477	3	0.192	3.37	22.362	0.822	3	0.331	0.038395
235	255	RRVFQKYTKYSKHD MNKVL DL	15.94	3000	19	5.35	28.159	0.815	3	0.328	4.24	24.035	0.638	3	0.257	0.033817
235	255	RRVFQKYTKYSKHD MNKVL DL	15.94	30000	19	6.298	33.148	0.135	3	0.054	4.56	27.45	0.22	3	0.089	0.000201
235	255	RRVFQKYTKYSKHD MNKVL DL	15.94	86400	19	5.962	31.377	1.531	3	0.616	5.21	29.333	0.139	3	0.056	0.388972
235	257	RRVFQKYTKYSKHD MNKVL DLEL	17.7	30	21	5.666	26.982	0.608	3	0.245	5.57	19.944	0.083	3	0.033	0.008102
235	257	RRVFQKYTKYSKHD MNKVL DLEL	17.7	300	21	6.246	29.742	0.494	3	0.199	4.18	27.523	0.324	3	0.131	0.03448
235	257	RRVFQKYTKYSKHD MNKVL DLEL	17.7	3000	21	6.721	32.004	0.188	3	0.076	6.13	29.222	0.118	3	0.048	0.000841
235	257	RRVFQKYTKYSKHD MNKVL DLEL	17.7	30000	21	7.562	36.011	0.195	3	0.079	6.48	30.902	0.701	3	0.282	0.016587
235	257	RRVFQKYTKYSKHD MNKVL DLEL	17.7	86400	21	7.287	34.701	1.029	3	0.414	6.90	32.89	0.21	3	0.085	0.250111
235	278	KCLTAIVKCATSKPAF	21.53	30	41	7.792	19.005	1.913	3	0.77	6.82	16.648	0.356	3	0.143	0.157883

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
235	278	RRVFQKYTKYSKHD MNKVL DLELKG DIE	21.53	300	41	9.322	22.737	1.131	3	0.455	9.41	22.954	0.238	3	0.096	0.770237
		1									0.029248					
235	278	KCLTAIVKCATSKPAF	21.53	3000	41	11.551	28.173	0.954	3	0.384	10.5	25.822	0.552	3	0.222	9
		87														
235	278	RRVFQKYTKYSKHD MNKVL DLELKG DIE	21.53	30000	41	13.126	32.015	0.498	3	0.2	12.4	30.473	1.996	3	0.803	0.304391
		94									0.018104					
235	278	KCLTAIVKCATSKPAF	21.53	86400	41	14.148	34.507	1.1	3	0.443	12.3	30.002	0.258	2	0.029	7
255	266	LELKG DIEKCLT	18.72	30	10	3.272	32.718	0.377	3	0.152	01	31.201	0.18	3	0.072	0.220215
255	266	LELKG DIEKCLT	18.72	300	10	3.925	39.255	0.342	3	0.138	3.79	37.976	0.042	3	0.017	0.248376
255	266	LELKG DIEKCLT	18.72	3000	10	4.418	44.181	0.829	3	0.334	4.26	42.682	0.078	3	0.032	0.518677
255	266	LELKG DIEKCLT	18.72	30000	10	5.083	50.826	0.392	3	0.158	8	45.911	0.65	3	0.261	0.061814
255	266	LELKG DIEKCLT	18.72	86400	10	5.453	54.534	0.563	3	0.227	4.59	50.152	0.013	3	0.005	0.078766
255	267	LELKG DIEKCLTA	19.21	30	11	3.471	31.553	0.379	3	0.153	5.01	29.706	0.353	3	0.142	0.167141
255	267	LELKG DIEKCLTA	19.21	300	11	4.181	38.006	0.355	3	0.143	8	34.818	0.223	3	0.09	0.030404
255	267	LELKG DIEKCLTA	19.21	3000	11	4.658	42.348	0.745	3	0.3	3.83	38.834	0.043	3	0.017	0.154862
255	267	LELKG DIEKCLTA	19.21	30000	11	5.65	51.367	1.006	3	0.405	4.27	43.372	0.372	3	0.15	0.050235
255	267	LELKG DIEKCLTA	19.21	86400	11	5.909	53.72	0.622	3	0.25	4.77	46.62	0.045	3	0.018	0.031982
255	278	LELKG DIEKCLTAIVKCATSKPAF	22.19	30	21	4.949	23.566	0.779	3	0.314	1	44.372	0.372	3	0.15	9
255	278	LELKG DIEKCLTAIVKCATSKPAF	22.19	300	21	6.171	29.386	0.215	3	0.086	5.12	46.62	0.045	3	0.018	1
255	278	LELKG DIEKCLTAIVKCATSKPAF	22.19	3000	21	7.44	35.427	0.335	3	0.135	4.72	22.489	0.524	3	0.211	0.366228
255	278	LELKG DIEKCLTAIVKCATSKPAF	22.19	30000	21	8.326	39.646	0.573	3	0.231	5.73	27.318	0.576	3	0.232	0.069046
											7	32.834	0.116	3	0.047	5
											6.89	37.359	0.438	3	0.177	5
											7.84					0.049443
											5					5

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
255	278	LEKGDIEKCLTAIVKCATSKPAF	22.19	86400	21	9.287	44.226	1.436	3	0.578	8.12	38.702	0.405	3	0.163	0.064399
256	266	ELKGDIEKCLT	17.56	30	9	3.136	34.849	0.212	3	0.085	7	34.438	0.147	3	0.059	0.574935
256	266	ELKGDIEKCLT	17.56	300	9	3.731	41.454	0.358	3	0.144	3.09	38.555	0.101	3	0.041	0.078784
256	266	ELKGDIEKCLT	17.56	3000	9	4.211	46.787	0.707	3	0.285	3.47	44.806	0.283	3	0.114	0.397373
256	266	ELKGDIEKCLT	17.56	30000	9	4.924	54.712	0.399	3	0.161	4.03	51.224	0.146	3	0.059	0.063464
256	266	ELKGDIEKCLT	17.56	86400	9	5.227	58.073	0.415	3	0.167	4.61	52.973	0.093	3	0.037	0.035960
256	267	ELKGDIEKCLTA	18.41	30	10	3.316	33.164	0.179	3	0.072	4.76	32.858	0.213	3	0.086	0.661284
256	267	ELKGDIEKCLTA	18.41	300	10	3.922	39.221	0.123	3	0.049	3.28	37.406	0.079	3	0.032	0.009057
256	267	ELKGDIEKCLTA	18.41	3000	10	4.244	42.438	0.514	3	0.207	3.74	42.107	0.093	3	0.037	0.809333
256	267	ELKGDIEKCLTA	18.41	30000	10	5.23	52.302	0.233	3	0.094	4.21	47.878	0.249	3	0.1	0.005135
256	267	ELKGDIEKCLTA	18.41	86400	10	5.662	56.622	0.485	3	0.195	4.78	47.878	0.249	3	0.1	0.029207
256	278	ELKGDIEKCLTAIVKCATSKPAF	21.98	30	20	4.963	24.816	0.879	3	0.354	5.01	50.179	0.015	3	0.006	0.591688
256	278	ELKGDIEKCLTAIVKCATSKPAF	21.98	300	20	6.035	30.177	0.165	3	0.066	4.82	24.147	0.347	3	0.14	0.914441
256	278	ELKGDIEKCLTAIVKCATSKPAF	21.98	3000	20	7.291	36.454	0.308	3	0.124	6.01	30.084	0.653	3	0.263	0.027365
256	278	ELKGDIEKCLTAIVKCATSKPAF	21.98	30000	20	8.354	41.768	0.443	3	0.178	6.91	34.582	0.086	3	0.035	0.027389
256	278	ELKGDIEKCLTAIVKCATSKPAF	21.98	86400	20	8.993	44.967	0.167	3	0.067	7.86	39.309	0.184	3	0.074	0.000480
258	267	KGDIEKCLTA	13.9	30	8	1.444	18.049	0.129	3	0.052	8.14	40.741	0.073	3	0.029	0.473256
258	267	KGDIEKCLTA	13.9	300	8	1.891	23.636	0.074	3	0.03	1.39	17.485	0.203	3	0.082	0.006998
											8	21.594	0.103	3	0.042	39

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
258	267	KGDIKCLTA	13.9	3000	8	2.413	30.161	0.141	3	0.057	2.16	27.027	0.029	3	0.012	0.013720
258	267	KGDIKCLTA	13.9	30000	8	2.96	37.005	0.118	3	0.048	2.67	33.464	0.174	3	0.07	0.006503
258	267	KGDIKCLTA	13.9	86400	8	3.164	39.546	0.503	3	0.203	2.82	35.271	0.038	3	0.015	0.098883
258	278	KGDIKCLTAIVKCATSKPAF	21.07	30	18	2.882	16.013	1.041	3	0.419	2.98	16.596	0.479	3	0.193	0.722055
258	278	KGDIKCLTAIVKCATSKPAF	21.07	300	18	3.689	20.495	0.239	3	0.096	3.92	21.78	0.278	3	0.112	0.054602
258	278	KGDIKCLTAIVKCATSKPAF	21.07	3000	18	5.168	28.711	0.898	3	0.361	4.99	27.736	0.081	3	0.033	0.489407
258	278	KGDIKCLTAIVKCATSKPAF	21.07	30000	18	6.241	34.671	1.078	3	0.434	5.90	32.817	0.184	3	0.074	0.31336
258	278	KGDIKCLTAIVKCATSKPAF	21.07	86400	18	7.252	40.289	1.853	3	0.746	6.16	34.253	0.09	3	0.036	0.127405
267	278	AIVKCATSKPAF	14.22	30	9	1.663	18.481	0.343	3	0.138	1.57	17.443	0.156	3	0.063	0.369842
267	278	AIVKCATSKPAF	14.22	300	9	2.016	22.403	0.12	3	0.048	2.06	22.894	0.129	3	0.052	0.340714
267	278	AIVKCATSKPAF	14.22	3000	9	2.572	28.581	0.726	3	0.292	2.50	27.828	0.038	3	0.015	0.726905
267	278	AIVKCATSKPAF	14.22	30000	9	2.753	30.59	0.237	3	0.096	2.76	30.689	0.131	3	0.053	0.896956
267	278	AIVKCATSKPAF	14.22	86400	9	2.524	28.044	0.747	3	0.301	2.75	30.66	0.293	3	0.118	0.307862
267	279	AIVKCATSKPAFF	18.03	30	10	1.647	16.467	0.258	3	0.104	1.65	16.569	0.225	3	0.09	0.904829
267	279	AIVKCATSKPAFF	18.03	300	10	2.016	20.158	0.121	3	0.049	2.00	20.07	0.104	3	0.042	0.825451
267	279	AIVKCATSKPAFF	18.03	3000	10	2.366	23.66	0.17	3	0.068	2.39	23.903	0.084	3	0.034	0.621802
267	279	AIVKCATSKPAFF	18.03	30000	10	2.648	26.477	0.126	3	0.051	2.63	26.362	0.113	3	0.046	0.783942
267	279	AIVKCATSKPAFF	18.03	86400	10	2.655	26.555	0.274	3	0.11	2.65	26.504	0.095	3	0.038	0.945283
268	279	IVKCATSKPAFF	17.49	30	9	1.623	18.033	0.229	3	0.092	1.64	18.226	0.189	3	0.076	0.814586

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab					
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
268	279	IVKCATSKPAFF	17.49	300	9	1.986	22.068	0.045	3	0.018	1.99	22.165	0.156	3	0.063	0.834713
268	279	IVKCATSKPAFF	17.49	3000	9	2.314	25.712	0.22	3	0.088	2.37	26.366	0.095	3	0.038	0.374707
268	279	IVKCATSKPAFF	17.49	30000	9	2.643	29.372	0.116	3	0.047	2.61	29.082	0.172	3	0.069	0.620215
268	279	IVKCATSKPAFF	17.49	86400	9	2.655	29.499	0.304	3	0.122	2.65	29.483	0.081	3	0.033	0.985992
269	278	VKCATSKPAF	12.61	30	7	1.619	23.13	0.217	3	0.087	1.63	23.287	0.16	3	0.064	0.870174
269	278	VKCATSKPAF	12.61	300	7	2.021	28.877	0.136	3	0.055	2.01	28.789	0.069	3	0.028	0.872122
269	278	VKCATSKPAF	12.61	3000	7	2.425	34.646	0.19	3	0.076	2.39	34.245	0.13	3	0.052	0.630285
269	278	VKCATSKPAF	12.61	30000	7	2.656	37.94	0.077	3	0.031	2.72	38.937	0.172	3	0.069	0.216597
269	278	VKCATSKPAF	12.61	86400	7	2.755	39.359	0.547	3	0.22	2.71	38.736	0.124	3	0.05	0.767195
270	278	KCATSKPAF	12.67	30	6	1.567	26.118	0.28	3	0.113	1.50	25.124	0.249	3	0.1	0.531631
270	278	KCATSKPAF	12.67	300	6	1.907	31.79	0.193	3	0.078	1.91	31.986	0.196	3	0.079	0.863212
270	278	KCATSKPAF	12.67	3000	6	2.376	39.602	0.771	3	0.31	2.18	36.361	0.033	3	0.013	0.391199
270	278	KCATSKPAF	12.67	30000	6	2.526	42.102	0.104	3	0.042	2.5	41.671	0.132	3	0.053	0.546156
270	278	KCATSKPAF	12.67	86400	6	2.508	41.805	0.057	2	0.006	2.61	43.577	0.163	3	0.066	0.105226
279	297	FAEKLHQAMKGVGTRHKAL	14.23	30	17	3.348	19.694	0.442	3	0.178	3.36	19.819	0.334	3	0.135	0.877359
279	297	FAEKLHQAMKGVGTRHKAL	14.23	300	17	3.817	22.453	0.504	3	0.203	3.88	22.851	0.237	3	0.095	0.63897
279	297	FAEKLHQAMKGVGTRHKAL	14.23	3000	17	4.402	25.893	1.317	3	0.53	4.44	26.168	0.335	3	0.135	0.894675
279	297	FAEKLHQAMKGVGTRHKAL	14.23	30000	17	5.876	34.565	0.749	3	0.302	5.69	33.502	0.681	3	0.274	0.485799

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
279	297	FAEKLHQAMKGVGTRHKAL	14.23	86400	17	6.49	38.179	1.8	3	0.725	5.88 2	34.6	0.587	3	0.236	0.280523
279	300	FAEKLHQAMKGVGTRHKALIRI	16.41	30	20	2.416	12.078	1.046	3	0.421	2.32 4	11.618	0.602	3	0.242	0.762997
279	300	FAEKLHQAMKGVGTRHKALIRI	16.41	300	20	3.032	15.162	0.836	3	0.337	2.93 3.50	14.65	0.809	3	0.326	0.724503
279	300	FAEKLHQAMKGVGTRHKALIRI	16.41	3000	20	3.698	18.491	0.994	3	0.4	3 4.62	17.516	0.882	3	0.355	0.562345 0.061265
279	300	FAEKLHQAMKGVGTRHKALIRI	16.41	30000	20	5.076	25.38	0.597	3	0.24	3 5.31	23.113	0.376	3	0.152	4
279	300	FAEKLHQAMKGVGTRHKALIRI	16.41	86400	20	5.102	25.51	0.969	3	0.39	2 2.55	26.56	0.424	3	0.171	0.461237 0.091240
279	301	FAEKLHQAMKGVGTRHKALIRIM	17.17	30	21	2.32	11.047	0.365	3	0.147	6 2.99	12.171	0.242	3	0.097	2
279	301	FAEKLHQAMKGVGTRHKALIRIM	17.17	300	21	2.819	13.425	0.404	3	0.163	3 3.47	14.252	0.113	3	0.045	0.199832
279	301	FAEKLHQAMKGVGTRHKALIRIM	17.17	3000	21	3.372	16.059	0.701	3	0.282	9 4.70	16.567	0.355	3	0.143	0.600489
279	301	FAEKLHQAMKGVGTRHKALIRIM	17.17	30000	21	4.506	21.457	0.824	3	0.332	2 5.11	22.389	0.687	3	0.276	0.47788
279	301	FAEKLHQAMKGVGTRHKALIRIM	17.17	86400	21	5.098	24.276	0.66	3	0.266	9 4.04	24.375	0.251	3	0.101	0.908444
279	309	FAEKLHQAMKGVGTRHKALIRIMVSRSEI DM	18.24	30	29	4.1	14.137	0.582	3	0.234	1 4.78	13.935	0.629	3	0.253	0.783814
279	309	FAEKLHQAMKGVGTRHKALIRIMVSRSEI DM	18.24	300	29	4.978	17.166	0.333	3	0.134	6 5.67	16.503	0.367	3	0.148	0.171092
279	309	FAEKLHQAMKGVGTRHKALIRIMVSRSEI DM	18.24	3000	29	5.795	19.984	0.316	3	0.127	1 7.07	19.555	0.402	3	0.162	0.357919
279	309	FAEKLHQAMKGVGTRHKALIRIMVSRSEI DM	18.24	30000	29	7.44	25.657	0.305	3	0.123	7	24.403	0.697	3	0.281	0.140735
279	309	FAEKLHQAMKGVGTRHKALIRIMVSRSEI DM	18.24	86400	29	7.738	26.684	0.918	3	0.37	7.52 3.25	25.932	0.281	3	0.113	0.41765
280	309	AEKLHQAMKGVGTRHKALIRIMVSRSEI DM	17.51	30	28	3.266	11.663	0.435	3	0.175	5 4.05	11.626	0.392	3	0.158	0.942619
280	309	AEKLHQAMKGVGTRHKALIRIMVSRSEI DM	17.51	300	28	4.142	14.793	0.359	3	0.145	4	14.477	0.071	3	0.028	0.401631

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1			ANXA1 + Ab						
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p	
280	309	AEKLHQAMKGVGTRHKALIRIMVSRSEI DM	17.51	3000	28	4.732	16.901	0.156	3	0.063	4.71	4	16.834	0.227	3	0.091	0.785735
280	309	AEKLHQAMKGVGTRHKALIRIMVSRSEI DM	17.51	30000	28	5.953	21.262	0.43	2	0.048	5.56	3	19.866	0.661	3	0.266	0.120044
280	309	AEKLHQAMKGVGTRHKALIRIMVSRSEI DM	17.51	86400	28	6.17	22.036	0.44	3	0.177	6.15	5	21.983	0.31	3	0.125	0.910426
298	309	IRIMVSRSEIDM	18.11	30	10	2.223	22.226	0.529	3	0.213	2.04	9	20.491	0.131	3	0.053	0.291833
298	309	IRIMVSRSEIDM	18.11	300	10	2.685	26.85	0.24	3	0.096	2.54	25.402	0.106	3	0.043	0.105615	
298	309	IRIMVSRSEIDM	18.11	3000	10	2.916	29.158	0.369	3	0.149	2.85	6	28.556	0.022	3	0.009	0.556061
298	309	IRIMVSRSEIDM	18.11	30000	10	3.383	33.833	0.735	3	0.296	3.26	2	32.622	0.177	2	0.02	0.552309
298	309	IRIMVSRSEIDM	18.11	86400	10	3.418	34.182	0.749	3	0.301	3.32	6	33.259	0.209	3	0.084	0.654197
298	314	IRIMVSRSEIDMNDIKA	18.25	30	15	2.872	19.148	0.197	3	0.079	2.81	2	18.748	0.166	3	0.067	0.374257
298	314	IRIMVSRSEIDMNDIKA	18.25	300	15	3.558	23.722	0.181	3	0.073	3.47	8	23.186	0.056	3	0.023	0.188778
298	314	IRIMVSRSEIDMNDIKA	18.25	3000	15	4.182	27.877	0.47	3	0.189	4.15	9	27.723	0.078	3	0.032	0.85324
298	314	IRIMVSRSEIDMNDIKA	18.25	30000	15	4.514	30.091	1.272	3	0.512	4.51	6	30.108	0.312	3	0.125	0.99401
298	314	IRIMVSRSEIDMNDIKA	18.25	86400	15	4.875	32.503	0.391	3	0.158	4.75	4	31.696	0.152	3	0.061	0.315698
298	315	IRIMVSRSEIDMNDIKAF	19.42	30	16	2.893	18.08	0.206	3	0.083	2.90	5	18.158	0.559	3	0.225	0.934541
298	315	IRIMVSRSEIDMNDIKAF	19.42	300	16	3.581	22.383	0.235	3	0.094	3.77	5	23.591	0.112	3	0.045	0.052541
298	315	IRIMVSRSEIDMNDIKAF	19.42	3000	16	4.418	27.611	0.379	3	0.152	4.21	2	26.324	0.132	3	0.053	0.132924
298	315	IRIMVSRSEIDMNDIKAF	19.42	30000	16	4.696	29.352	0.432	3	0.174	4.66	8	29.177	0.766	3	0.308	0.899175
298	315	IRIMVSRSEIDMNDIKAF	19.42	86400	16	4.994	31.211	0.359	3	0.145	4.66	4	29.15	0.071	2	0.008	0.057863

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	#D	%D	ANXA1				ANXA1 + Ab				
								Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
301	309	MVSRSEIDM	14.83	30	7	1.804	25.766	0.053	3	0.021	1.91	27.377	0.147	3	0.059	0.0670369
301	309	MVSRSEIDM	14.83	300	7	2.401	34.304	0.106	3	0.043	2.38	34.09	0.225	3	0.091	0.813092
301	309	MVSRSEIDM	14.83	3000	7	2.637	37.665	0.298	3	0.12	2.74	39.195	0.055	3	0.022	0.260269
301	309	MVSRSEIDM	14.83	30000	7	3.04	43.434	0.128	3	0.052	3.06	43.792	0.32	3	0.129	0.777937
301	309	MVSRSEIDM	14.83	86400	7						3.06	43.85	0.16	3	0.064	
310	315	NDIKAF	12.11	30	4	0.395	9.875	0.277	3	0.111	0.42	10.732	0.333	3	0.134	0.750824
310	315	NDIKAF	12.11	300	4	0.427	10.675	0.03	3	0.012	0.43	10.977	0.073	3	0.029	0.56105
310	315	NDIKAF	12.11	3000	4	0.748	18.696	0.041	3	0.016	0.73	18.283	0.188	3	0.076	0.744381
310	315	NDIKAF	12.11	30000	4	0.983	24.564	0.181	3	0.073	0.90	22.562	0.002	3	0.001	0.196993
310	315	NDIKAF	12.11	86400	4	0.965	24.123	0.091	2	0.01	0.97	24.284	0.097	3	0.039	0.808142
310	319	NDIKAFYQKM	17.98	30	8	0.83	10.369	0.259	3	0.104	0.87	10.93	0.088	3	0.035	0.540499
310	319	NDIKAFYQKM	17.98	300	8	0.908	11.353	0.099	3	0.04	0.90	11.286	0.129	3	0.052	0.893663
310	319	NDIKAFYQKM	17.98	3000	8	1.74	21.751	0.142	3	0.057	1.78	22.263	0.11	3	0.044	0.385549
310	319	NDIKAFYQKM	17.98	30000	8	3	37.498	0.148	3	0.06	3.08	38.566	0.226	3	0.091	0.25611
310	319	NDIKAFYQKM	17.98	86400	8	3.356	41.956	0.139	3	0.056	3.45	43.222	0.161	3	0.065	0.110508
310	321	NDIKAFYQKMYG	18.91	30	10	1.105	11.052	0.246	3	0.099	1.08	10.868	0.172	3	0.069	0.807251
310	321	NDIKAFYQKMYG	18.91	300	10	1.526	15.261	0.021	3	0.008	1.47	14.745	0.261	3	0.105	0.485149
310	321	NDIKAFYQKMYG	18.91	3000	10	2.444	24.438	0.874	3	0.352	2.46	24.601	0.098	3	0.039	0.943506

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
310	321	NDIKAFYQKMYG	18.91	30000	10	3.908	39.079	0.298	3	0.12	3.93	39.3	0.189	3	0.076	0.80319
310	321	NDIKAFYQKMYG	18.91	86400	10	4.444	44.444	0.205	3	0.082	4.63	46.379	0.15	3	0.06	0.03478
310	323	NDIKAFYQKMYGIS	19.5	30	12	1.788	14.897	0.381	3	0.153	1.67	13.977	0.236	3	0.095	0.360463
310	323	NDIKAFYQKMYGIS	19.5	300	12	2.371	19.758	0.028	3	0.011	2.32	19.378	0.191	3	0.077	0.413954
310	323	NDIKAFYQKMYGIS	19.5	3000	12	3.413	28.443	0.195	3	0.078	3.48	29.058	0.035	3	0.014	0.242939
310	323	NDIKAFYQKMYGIS	19.5	30000	12	5.37	44.752	0.073	3	0.029	5.33	44.424	0.348	3	0.14	0.677744
310	323	NDIKAFYQKMYGIS	19.5	86400	12	6.072	50.6	0.297	3	0.12	6.10	50.845	0.089	3	0.036	0.718193
310	324	NDIKAFYQKMYGISL	20.42	30	13	1.685	12.958	0.383	3	0.154	1.52	11.699	0.222	3	0.089	0.204478
310	324	NDIKAFYQKMYGISL	20.42	300	13	2.653	20.411	0.137	3	0.055	2.54	19.561	0.177	3	0.071	0.104756
310	324	NDIKAFYQKMYGISL	20.42	3000	13	3.839	29.527	0.172	3	0.069	3.93	30.296	0.262	3	0.106	0.253098
310	324	NDIKAFYQKMYGISL	20.42	30000	13	5.81	44.691	0.212	3	0.085	5.65	43.476	0.197	3	0.079	0.079013
310	324	NDIKAFYQKMYGISL	20.42	86400	13	6.343	48.795	0.644	3	0.259	6.45	49.675	0.353	3	0.142	0.549418
315	323	FYQKMYGIS	16.78	30	7	1.404	20.063	0.342	3	0.138	1.28	18.307	0.203	3	0.082	0.269393
315	323	FYQKMYGIS	16.78	300	7	1.852	26.458	0.176	3	0.071	1.81	25.92	0.031	3	0.013	0.45524
315	323	FYQKMYGIS	16.78	3000	7	2.266	32.371	0.387	3	0.156	2.37	33.88	0.059	3	0.024	0.361156
315	323	FYQKMYGIS	16.78	30000	7	3.776	53.947	0.051	3	0.021	3.91	55.918	0.674	3	0.271	0.471732
315	323	FYQKMYGIS	16.78	86400	7	3.992	57.031	1.003	3	0.404	4.54	64.94	0.456	3	0.183	0.125906
316	323	YQKMYGIS	14.69	30	6	1.254	20.896	0.063	3	0.025	1.24	20.756	0.2	3	0.08	0.876921

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
316	323	YQKMYGIS	14.69	300	6	1.788	29.798	0.149	3	0.06	1.75 3	29.221	0.008	3	0.003	0.422831
316	323	YQKMYGIS	14.69	3000	6	2.253	37.557	0.272	3	0.109	2.17 9	36.309	0.139	3	0.056	0.369121
316	323	YQKMYGIS	14.69	30000	6	3.32	55.339	0.213	3	0.086	3.30 9	55.142	0.57	2	0.063	0.871929
316	323	YQKMYGIS	14.69	86400	6	3.695	61.584	0.621	2	0.069	3.91 6.88	65.164		1	0	
316	340	YQKMYGISLCQAILDETKGDYEKIL	21.74	30	23	7.043	30.621	0.62	3	0.249	3 9.80	29.927	0.474	3	0.191	0.431392 0.065367
316	340	YQKMYGISLCQAILDETKGDYEKIL	21.74	300	23	10.007	43.51	0.279	3	0.112	1 11.1	42.613	0.178	3	0.072	8
316	340	YQKMYGISLCQAILDETKGDYEKIL	21.74	3000	23	11.109	48.3	1.24	3	0.499	16 13.4	48.331	0.184	3	0.074	0.982838
316	340	YQKMYGISLCQAILDETKGDYEKIL	21.74	30000	23	13.088	56.904	0.766	2	0.085	1 13.7	58.305		1	0	
316	340	YQKMYGISLCQAILDETKGDYEKIL	21.74	86400	23	14.309	62.213	3.088	2	0.344	97	59.987	1.98	2	0.22	0.239515 0.092436
322	340	ISLCQAILDETKGDYEKIL	21.6	30	17	5.88	34.589	0.283	3	0.114	5.66 7.98	33.291	0.322	3	0.13	4
322	340	ISLCQAILDETKGDYEKIL	21.6	300	17	8.143	47.899	0.23	3	0.092	3 8.87	46.958	0.252	3	0.102	0.114323
322	340	ISLCQAILDETKGDYEKIL	21.6	3000	17	8.92	52.472	0.886	3	0.357	7 9.98	52.217	0.228	3	0.092	0.855375
322	340	ISLCQAILDETKGDYEKIL	21.6	30000	17	10.213	60.079	0.384	3	0.154	9 10.9	58.757	0.604	3	0.243	0.259771
322	340	ISLCQAILDETKGDYEKIL	21.6	86400	17	10.73	63.116	0.264	3	0.106	21 7.75	64.244	0.842	3	0.339	0.434271
322	347	ISLCQAILDETKGDYEKILVALCGGN	23.41	30	24	7.493	31.221	0.468	3	0.188	3 10.3	32.303	0.525	3	0.211	0.188194
322	347	ISLCQAILDETKGDYEKILVALCGGN	23.41	300	24	10.086	42.025	0.476	3	0.192	75 11.8	43.231	0.673	3	0.271	0.213306 0.087743
322	347	ISLCQAILDETKGDYEKILVALCGGN	23.41	3000	24	11.412	47.549	0.603	3	0.243	05 14.4	49.189	0.352	3	0.142	9
322	347	ISLCQAILDETKGDYEKILVALCGGN	23.41	30000	24	14.343	59.763	1.156	3	0.465	27	60.112	0.717	3	0.289	0.806242

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
322	347	ISLCQAILDETKGDY EKILVALCGGN	23.41	86400	24	15.204	63.349	1.268	3	0.51	15.696	65.4	0.403	3	0.162	0.231645
324	329	LCQAIL	17	30	4	0.488	12.195	0.11	3	0.044	0.487	12.187	0.133	3	0.054	0.993503
324	329	LCQAIL	17	300	4	0.775	19.378	0.059	3	0.024	0.716	17.902	0.02	3	0.008	0.038544
324	329	LCQAIL	17	3000	4	0.886	22.144	0.221	3	0.089	0.85	21.242	0.103	3	0.041	0.572644
324	329	LCQAIL	17	30000	4	1.461	36.533	0.159	3	0.064	1.277	31.936		1	0	
324	329	LCQAIL	17	86400	4	1.842	46.05	0.553	3	0.222	1.768	44.202	0.381	2	0.042	0.626733
324	340	LCQAILDETKGDY EKIL	19.75	30	15	4.796	31.973	0.31	3	0.125	4.455	29.699	0.422	3	0.17	0.053617
324	340	LCQAILDETKGDY EKIL	19.75	300	15	6.624	44.162	0.836	3	0.336	6.143	40.953	0.655	3	0.264	0.127005
324	340	LCQAILDETKGDY EKIL	19.75	3000	15	7.351	49.004	0.551	3	0.222	6.923	46.156	0.112	3	0.045	0.073973
324	340	LCQAILDETKGDY EKIL	19.75	30000	15	8.248	54.989	0.457	3	0.184	7.881	52.543	0.604	3	0.243	0.110739
324	340	LCQAILDETKGDY EKIL	19.75	86400	15	8.614	57.43	0.471	3	0.19	8.447	56.313	0.895	3	0.36	0.52693
327	340	AILDETKGDY EKIL	18.77	30	12	3.357	27.975	0.382	3	0.154	3.345	27.873	0.254	3	0.102	0.914756
327	340	AILDETKGDY EKIL	18.77	300	12	4.465	37.207	0.687	3	0.276	4.581	38.172	0.131	3	0.053	0.54527
327	340	AILDETKGDY EKIL	18.77	3000	12	4.624	38.533	1.554	3	0.625	5.156	42.963	0.138	3	0.056	0.278401
327	340	AILDETKGDY EKIL	18.77	30000	12	5.8	48.33	0.113	3	0.045	5.727	47.728	0.602	3	0.242	0.659375
327	340	AILDETKGDY EKIL	18.77	86400	12	5.798	48.32	1.079	3	0.434	5.912	49.264	0.407	3	0.164	0.705589
328	340	ILDETKGDY EKIL	18.07	30	11	2.542	23.111	0.375	3	0.151	2.543	23.114	0.459	3	0.185	0.998432
328	340	ILDETKGDY EKIL	18.07	300	11	3.428	31.159	0.995	3	0.4	3.493	31.755	0.257	3	0.103	0.806714

Appendix Table A2 – In-solution proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
328	340	ILDETKGDYEKIL	18.07	3000	11	3.384	30.76	1.905	3	0.767	3.99	36.33	0.331	3	0.133	0.299424
328	340	ILDETKGDYEKIL	18.07	30000	11	4.475	40.683	0.228	3	0.092	4.57	41.594	1.094	3	0.44	0.734106
328	340	ILDETKGDYEKIL	18.07	86400	11	3.797	34.517	1.537	3	0.619	4.34	39.464	0.149	3	0.06	0.266543
328	347	ILDETKGDYEKILVALCGGN	21.17	30	18	4.013	22.295	0.25	3	0.101	3.85	21.431	0.465	3	0.187	0.29282
328	347	ILDETKGDYEKILVALCGGN	21.17	300	18	5.369	29.83	1.181	2	0.131	5.10	28.375	0.386	3	0.155	0.149464
328	347	ILDETKGDYEKILVALCGGN	21.17	3000	18	6.471	35.949	0.286	3	0.115	6.27	34.875	0.296	3	0.119	0.113685
328	347	ILDETKGDYEKILVALCGGN	21.17	30000	18	8.482	47.121	0.922	3	0.371	8.16	45.348	1.013	3	0.408	0.373318
328	347	ILDETKGDYEKILVALCGGN	21.17	86400	18	8.71	48.387	0.451	3	0.182	8.67	48.198	0.272	3	0.109	0.797875
330	347	DETKGDYEKILVALCGGN	20.88	30	16	3.732	23.323	0.334	3	0.135	3.67	22.976	0.439	3	0.177	0.688584
330	347	DETKGDYEKILVALCGGN	20.88	300	16	5.166	32.289	1.017	3	0.409	4.88	30.551	0.399	3	0.161	0.36424
330	347	DETKGDYEKILVALCGGN	20.88	3000	16	5.931	37.066	0.806	3	0.324	5.87	36.708	0.218	3	0.088	0.792159
330	347	DETKGDYEKILVALCGGN	20.88	30000	16	7.672	47.95	0.301	3	0.121	7.55	47.235	0.467	3	0.188	0.433701
330	347	DETKGDYEKILVALCGGN	20.88	86400	16	7.974	49.84	0.08	3	0.032	8.10	50.669	0.384	3	0.155	0.273381

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
1	7	GPAMVSE	3.69	300	5	3.615	72.31	0.077	3	0.031	3.512	70.2	0.104	3	0.042	0.03041
1	7	GPAMVSE	3.69	30000	5	3.563	71.256	0.075	3	0.03	3.508	48	0.114	3	0.046	0.16759
1	13	GPAMVSEFLKQAW	21.09	300	11	7.47	67.907	0.125	3	0.05	7.185	70.1	0.259	3	0.104	0.02567
1	13	GPAMVSEFLKQAW	21.09	30000	11	7.311	66.462	0.159	3	0.064	7.155	65.3	0.206	3	0.083	0.06545
1	21	E GPAMVSEFLKQAWFIENEEQ	21.76	300	19	13.109	68.994	0.187	3	0.075	12.914	65.0	0.532	3	0.214	0.25213
1	21	E	21.76	30000	19	12.784	67.284	0.399	3	0.161	12.995	67.9	0.312	3	0.126	0.15128
5	8	VSEF	6.72	300	2	1.152	57.596	0.037	3	0.015	1.098	71	0.071	3	0.029	0.06355
5	8	VSEF	6.72	30000	2	1.132	56.589	0.029	3	0.012	1.105	54.9	0.071	3	0.029	0.24675
8	13	FLKQAW	16.93	300	4	2.729	68.223	0.033	3	0.013	2.65	55.2	0.104	3	0.042	0.07034
8	13	FLKQAW	16.93	30000	4	2.687	67.18	0.042	3	0.017	2.634	66.2	0.103	3	0.041	0.14345
8	14	FLKQAWF	19.99	300	5	3.1	62.007	0.06	3	0.024	2.919	65.8	0.107	3	0.043	0.00696
8	14	FLKQAWF	19.99	30000	5	3.045	60.895	0.041	3	0.016	2.904	58.3	0.146	3	0.059	0.04520
9	13	LKQAW	11.38	300	3	2.176	72.542	0.043	3	0.017	2.129	87	0.068	3	0.028	0.07618
9	13	LKQAW	11.38	30000	3	2.146	71.519	0.034	3	0.014	2.119	58.0	0.079	3	0.032	0.27561
9	14	LKQAWF	19.01	300	4	2.596	64.91	0.073	3	0.03	2.506	70.6	0.11	3	0.044	0.05095
9	14	LKQAWF	19.01	30000	4	2.56	64.007	0.036	3	0.014	2.496	62.6	0.108	3	0.044	0.11455
14	18	FIENE	4.49	300	3	1.871	62.36	0.056	3	0.023	1.798	62.4	0.137	3	0.055	0.13520
14	18	FIENE	4.49	30000	3	1.832	61.064	0.043	3	0.017	1.776	59.9	0.117	3	0.047	0.16695

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
14	21	FIENEEQE	6.47	300	6	3.728	62.133	0.179	3	0.072	3.576	59.5	0.246	3	0.099	0.10381
												92				0.38572
14	21	FIENEEQE	6.47	30000	6	3.683	61.38	0.111	3	0.044	3.613	60.2	0.268	3	0.108	9
												2				0.03965
14	22	FIENEEQEY	15.2	300	7	3.838	54.826	0.118	3	0.048	3.657	52.2	0.201	3	0.081	11
												39				0.09333
14	22	FIENEEQEY	15.2	30000	7	3.77	53.856	0.052	3	0.021	3.648	52.1	0.183	3	0.074	46
		YVQTVKSSKGGPGSAVSPYPT										11				0.00278
22	48	FNPSSD	16.68	300	21	11.323	53.921	0.337	3	0.136	10.612	50.5	0.321	3	0.129	98
		YVQTVKSSKGGPGSAVSPYPT										35				0.06254
22	48	FNPSSD	16.68	30000	21	11.106	52.888	0.367	3	0.148	10.667	50.7	0.584	3	0.235	22
		YVQTVKSSKGGPGSAVSPYPT										93				0.00206
22	49	FNPSSDV	18.26	300	22	10.807	49.123	0.406	3	0.163	9.816	44.6	0.24	3	0.097	774
		YVQTVKSSKGGPGSAVSPYPT										18				0.00140
22	49	FNPSSDV	18.26	30000	22	11.27	51.226	0.343	3	0.138	10.31	46.8	0.198	3	0.08	354
		YVQTVKSSKGGPGSAVSPYPT										65				0.00084
22	51	FNPSSDVAA	17.82	300	24	11.374	47.391	0.256	3	0.103	10.491	43.7	0.312	3	0.126	7624
		YVQTVKSSKGGPGSAVSPYPT										13				0.02598
22	51	FNPSSDVAA	17.82	30000	24	12.478	51.99	0.322	3	0.13	11.807	49.1	0.623	3	0.251	34
		YVQTVKSSKGGPGSAVSPYPT										95				0.00088
22	52	FNPSSDVAAL	19.15	300	25	11.028	44.113	0.312	3	0.126	9.826	39.3	0.422	3	0.17	7682
		YVQTVKSSKGGPGSAVSPYPT										03				0.00940
22	52	FNPSSDVAAL	19.15	30000	25	12.439	49.754	0.282	3	0.114	11.425	45.7	0.618	3	0.249	324
		YVQTVKSSKGGPGSAVSPYPT										01				0.00616
22	57	FNPSSDVAALHKAIM	19.72	300	30	9.689	32.298	0.196	3	0.079	8.766	29.2	0.463	3	0.186	005
		YVQTVKSSKGGPGSAVSPYPT										2				0.02075
22	57	FNPSSDVAALHKAIM	19.72	30000	30	13.823	46.076	0.167	3	0.067	12.95	43.1	0.625	3	0.252	74
		YVQTVKSSKGGPGSAVSPYPT										66				0.04311
		FNPSSDVAALHKAIMVKGVDE										31.9				74
22	65	AT	19.75	300	38	12.672	33.347	0.114	3	0.046	12.152	78	0.513	3	0.207	74
		YVQTVKSSKGGPGSAVSPYPT														0.03397
		FNPSSDVAALHKAIMVKGVDE										44.0				36
22	65	AT	19.75	30000	38	17.267	45.44	0.494	3	0.199	16.725	12	0.543	3	0.219	36
		YVQTVKSSKGGPGSAVSPYPT														0.00030
		FNPSSDVAALHKAIMVKGVDE										30.2				8278
22	68	ATIID	20.13	300	41	12.995	31.695	0.1	3	0.04	12.399	43	0.148	3	0.06	8278

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p	
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev		
		YVQTVKSSKGGPGSAVSPYPT															
		FNPSSDVAALHKAIMVKGVDE										42.7					0.12898
22	68	ATIID	20.13	30000	41	17.933	43.739	0.168	3	0.068	17.512	13	0.744	3	0.299		7
		VQTVKSSKGGPGSAVSPYPTF										38.9					0.00280
23	52	NPSSDVAAL	19.32	300	24	10.261	42.754	0.382	3	0.154	9.337	02	0.451	3	0.182		258
		VQTVKSSKGGPGSAVSPYPTF										45.3					0.00995
23	52	NPSSDVAAL	19.32	30000	24	11.629	48.456	0.278	3	0.112	10.886	57	0.499	3	0.201		259
												20.0					0.73390
48	52	DVAAL	6.84	300	3	0.592	19.718	0.06	3	0.024	0.601	24	0.089	3	0.036		4
												41.9					0.57212
48	52	DVAAL	6.84	30000	3	1.344	44.791	0.313	3	0.126	1.26	92	0.487	3	0.196		5
												20.4					
49	52	VAAL	3.55	300	2	0.416	20.78	0.027	3	0.011	0.41	94	0.061	3	0.025		0.73779
												51.1					0.28904
49	52	VAAL	3.55	30000	2	1.044	52.18	0.019	3	0.008	1.022	08	0.065	3	0.026		5
												39.0					0.15769
53	63	HKAIMVKGVDE	4.64	300	9	3.592	39.913	0.152	3	0.061	3.517	74	0.095	3	0.038		8
												57.4					0.69045
53	63	HKAIMVKGVDE	4.64	30000	9	5.211	57.901	0.201	3	0.081	5.172	61	0.335	3	0.135		3
												41.3					0.16745
53	64	HKAIMVKGVDEA	5.19	300	10	4.227	42.27	0.152	3	0.061	4.139	93	0.165	3	0.066		6
												57.6					0.76900
53	64	HKAIMVKGVDEA	5.19	30000	10	5.802	58.021	0.266	3	0.107	5.765	5	0.425	3	0.171		7
												46.0					0.09233
53	65	HKAIMVKGVDEAT	4.91	300	11	5.185	47.135	0.185	3	0.074	5.067	61	0.116	3	0.047		82
												62.1					0.74205
53	65	HKAIMVKGVDEAT	4.91	30000	11	6.873	62.482	0.282	3	0.114	6.832	09	0.408	3	0.164		3
												35.2					0.07557
53	66	HKAIMVKGVDEATI	14.54	300	12	4.336	36.13	0.101	3	0.04	4.225	05	0.159	3	0.064		34
												46.1					0.12178
53	66	HKAIMVKGVDEATI	14.54	30000	12	5.722	47.682	0.078	3	0.031	5.54	69	0.312	3	0.126		9
												31.2					0.56405
53	68	HKAIMVKGVDEATIID	15.86	300	14	4.411	31.508	0.165	3	0.066	4.377	65	0.165	3	0.066		4
												43.0					0.29364
53	68	HKAIMVKGVDEATIID	15.86	30000	14	6.106	43.613	0.05	3	0.02	6.021	1	0.259	3	0.104		7
												26.6					0.27484
53	70	HKAIMVKGVDEATIIDIL	20.1	300	16	4.353	27.207	0.089	3	0.036	4.263	46	0.262	3	0.105		8

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
53	70	HKAIMVKGVDEATIIDIL	20.1	30000	16	6.207	38.797	0.155	3	0.062	5.946	37.1	0.105	3	0.042	0.00570
												6				258
58	66	VKGVDEATI	11.5	300	7	3.078	43.974	0.073	3	0.029	2.935	41.9	0.114	3	0.046	0.01484
												27				0.11342
58	66	VKGVDEATI	11.5	30000	7	3.722	53.174	0.102	3	0.041	3.63	51.8	0.157	3	0.063	7
												61				0.18468
58	68	VKGVDEATIID	14.83	300	9	2.957	32.854	0.291	3	0.117	3.088	34.3	0.079	3	0.032	9
												16				0.39004
58	68	VKGVDEATIID	14.83	30000	9	3.959	43.992	0.056	3	0.023	4.041	44.9	0.324	3	0.131	6
												03				0.36396
58	70	VKGVDEATIIDIL	20.72	300	11	3.077	27.973	0.037	3	0.015	3.017	27.4	0.508	2	0.057	2
												26				0.04271
58	70	VKGVDEATIIDIL	20.72	30000	11	4.142	37.654	0.024	3	0.01	3.959	35.9	0.173	3	0.069	08
		VKGVDEATIIDILTKRNNAQRQ										95				0.02522
58	85	QIKAAY	19.29	300	26	4.802	18.471	0.064	3	0.026	4.57	17.5	0.191	3	0.077	79
		VKGVDEATIIDILTKRNNAQRQ										77				0.05793
58	85	QIKAAY	19.29	30000	26	9.177	35.297	0.245	3	0.098	8.9	34.2	0.356	3	0.143	08
												3				0.03522
63	68	EATIID	6.17	300	4	0.984	24.588	0.045	3	0.018	0.934	23.3	0.051	3	0.02	62
												46				
63	68	EATIID	6.17	30000	4	1.699	42.483	0.051	3	0.02	1.676	41.9	0.15	3	0.06	0.58375
												07				0.62051
63	70	EATIIDIL	20.81	300	6	0.693	11.558	0.116	3	0.047	0.67	11.1	0.149	3	0.06	1
												66				0.08080
63	70	EATIIDIL	20.81	30000	6	1.375	22.911	0.035	3	0.014	1.326	22.1	0.071	3	0.029	13
												03				0.12308
64	68	ATIID	4.47	300	3	0.41	13.683	0.015	3	0.006	0.38	12.6	0.053	3	0.021	9
												72				0.14813
64	68	ATIID	4.47	30000	3	1.106	36.869	0.024	3	0.01	1.077	35.8	0.058	3	0.023	3
												86				0.12332
64	70	ATIIDIL	20.51	300	5	0.235	4.707	0.004	3	0.002	0.209	4.18	0.043	3	0.018	1
												9				0.09337
64	70	ATIIDIL	20.51	30000	5	0.864	17.275	0.057	3	0.023	0.82	16.3	0.064	3	0.026	95
												96				0.63059
64	85	ATIIDILTKRNNAQRQQIKAAY	19.15	300	20	2.231	11.155	0.068	3	0.027	2.274	11.3	0.325	3	0.131	2
												69				0.02357
64	85	ATIIDILTKRNNAQRQQIKAAY	19.15	30000	20	6.271	31.357	0.073	3	0.029	5.993	29.9	0.222	3	0.089	41
												63				

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
65	70	TIIDIL	20.2	300	4	0.163	4.078	0.008	3	0.003	0.137	3.43	0.029	3	0.012	0.05356
65	70	TIIDIL	20.2	30000	4	0.47	11.761	0.042	3	0.017	0.427	10.6	0.057	3	0.023	83
66	70	IIDIL	19.58	300	3	0.135	4.509	0.005	3	0.002	0.13	4.33	0.027	3	0.011	0.06458
66	70	IIDIL	19.58	30000	3	0.321	10.704	0.031	3	0.012	0.297	4	0.042	3	0.017	77
66	85	IIDILTKRNNAQRQQIKAAY	16.29	300	18	1.73	9.613	0.027	3	0.011	1.623	9.89	0.147	3	0.059	0.49676
66	85	IIDILTKRNNAQRQQIKAAY	16.29	30000	18	4.455	24.747	0.045	3	0.018	4.222	8	0.222	3	0.089	4
67	70	IDIL	17.68	300	2	0.052	2.586	0.01	3	0.004	0.041	2.04	0.009	3	0.004	0.12469
67	70	IDIL	17.68	30000	2	0.056	2.794	0.02	3	0.008	0.044	9.01	0.01	3	0.004	3
67	83	IDILTKRNNAQRQQIKA	13.1	300	15	2.079	13.857	0.086	3	0.035	1.981	13.2	0.076	2	0.008	0.08356
67	83	IDILTKRNNAQRQQIKA	13.1	30000	15	4.385	29.231	0.075	3	0.03	4.263	06	0.245	3	0.099	35
67	85	IDILTKRNNAQRQQIKAAY	14.7	300	17	1.819	10.702	0.069	3	0.028	1.772	28.4	0.198	3	0.08	0.04098
67	85	IDILTKRNNAQRQQIKAAY	14.7	30000	17	4.587	26.985	0.022	3	0.009	4.436	23	0.245	3	0.099	8
68	86	DILTKRNNAQRQQIKAAYL	14.68	300	17	1.819	10.702	0.069	3	0.028	1.772	10.4	0.198	3	0.08	0.02340
68	86	DILTKRNNAQRQQIKAAYL	14.68	30000	17	4.587	26.985	0.022	3	0.009	4.436	21	0.245	3	0.099	85
69	85	ILTKRNNAQRQQIKAAY	4.7	300	15	2.563	17.085	0.332	3	0.134	2.441	26.0	0.058	3	0.023	0.11307
69	85	ILTKRNNAQRQQIKAAY	4.7	30000	15	5.887	39.244	0.482	3	0.194	5.872	06	0.683	3	0.275	6
69	86	ILTKRNNAQRQQIKAAYL	13.51	300	16	1.633	10.208	0.07	3	0.028	1.567	39.1	0.135	3	0.054	0.15829
69	86	ILTKRNNAQRQQIKAAYL	13.51	30000	16	4.717	29.483	0.022	3	0.009	4.538	44	0.226	3	0.091	3
69	107	ILTKRNNAQRQQIKAAYLQET	18.97	300	36	7.314	20.317	0.292	3	0.118	7.071	9.79	0.37	3	0.149	0.41457
69	107	GKPLDETLKKGALGHLEE	18.97	300	36	7.314	20.317	0.292	3	0.118	7.071	7	0.37	3	0.149	4

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
69	107	ILTKRNNAQRQQIKAAYLQET GKPLDETLKALTGHLEE	18.97	30000	36	13.921	38.67	0.118	3	0.047	13.356	37.1	0.506	3	0.204	0.03493
70	86	LTKRNNAQRQQIKAAYL	4.79	300	15	2.691	17.94	0.479	3	0.193	2.442	16.2	0.028	3	0.011	95
70	86	LTKRNNAQRQQIKAAYL	4.79	30000	15	6.091	40.605	1.067	3	0.429	6.19	79	0.952	3	0.383	0.15432
71	86	TKRNNAQRQQIKAAYL	10.82	300	14	1.668	11.918	0.133	3	0.053	1.586	41.2	0.214	3	0.086	7
71	86	TKRNNAQRQQIKAAYL	10.82	30000	14	4.363	31.162	0.213	3	0.086	4.237	65	0.37	3	0.149	0.78056
84	97	AYLQETGKPLDETL	18.39	300	11	3.03	27.549	0.046	3	0.018	2.847	11.3	0.158	3	0.064	2
84	97	AYLQETGKPLDETL	18.39	30000	11	5.543	50.393	0.182	3	0.073	5.328	32	0.309	3	0.124	0.24634
84	105	AYLQETGKPLDETLKALTGHL	19.83	300	19	6.003	31.594	0.441	3	0.178	5.722	30.2	0.126	3	0.051	2
84	105	AYLQETGKPLDETLKALTGHL	19.83	30000	19	8.821	46.424	0.102	3	0.041	8.257	62	0.269	3	0.108	0.00623
84	107	AYLQETGKPLDETLKALTGHL EE	19.52	300	21	6.052	28.818	0.11	3	0.044	5.742	43.4	0.229	3	0.092	139
84	107	AYLQETGKPLDETLKALTGHL EE	19.52	30000	21	9.4	44.763	0.071	3	0.029	8.81	27.3	0.41	3	0.165	0.01498
86	97	LQETGKPLDETL	16.48	300	9	2.824	31.379	0.055	3	0.022	2.717	41.9	0.124	3	0.05	7
86	97	LQETGKPLDETL	16.48	30000	9	4.29	47.662	0.093	3	0.037	4.146	5	0.226	3	0.091	0.02235
86	105	LQETGKPLDETLKALTGHL	19.36	300	17	5.648	33.226	0.142	3	0.057	5.379	30.1	0.258	3	0.104	41
86	105	LQETGKPLDETLKALTGHL	19.36	30000	17	7.373	43.373	0.149	3	0.06	7.006	87	0.3	3	0.121	0.04859
86	107	LQETGKPLDETLKALTGHLEE	19.03	300	19	5.5	28.949	0.114	3	0.046	5.184	46.0	0.16	3	0.065	38
86	107	LQETGKPLDETLKALTGHLEE	19.03	30000	19	7.718	40.62	0.138	3	0.056	7.288	31.6	0.362	3	0.146	0.09577
87	97	QETGKPLDETL	15.27	300	8	2.726	34.072	0.109	3	0.044	2.584	65	0.12	3	0.048	43
87	97	QETGKPLDETL	15.27	30000	8	3.818	47.723	0.045	3	0.018	3.72	31.6	0.176	3	0.071	0.02736

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
87	105	QETGKPLDETLKKALTGHL	19.23	300	16	5.419	33.868	0.308	3	0.124	5.235	32.7	0.428	3	0.172	0.21442
87	105	QETGKPLDETLKKALTGHL	19.23	30000	16	6.993	43.704	0.071	3	0.029	6.754	18	0.229	3	0.092	3
87	107	QETGKPLDETLKKALTGHLEE	18.84	300	18	5.268	29.267	0.127	3	0.051	4.985	42.2	0.177	3	0.071	0.03668
87	107	QETGKPLDETLKKALTGHLEE	18.84	30000	18	7.362	40.902	0.137	3	0.055	6.97	27.6	0.287	3	0.115	93
96	107	TLKKALTGHLEE	13.18	300	10	3.065	30.652	0.057	3	0.023	2.94	93	0.199	3	0.08	0.00672
96	107	TLKKALTGHLEE	13.18	30000	10	4.501	45.011	0.136	3	0.055	4.396	38.7	0.216	3	0.087	382
106	110	EEVVL	14.46	300	3	0.11	3.68	0.007	3	0.003	0.106	23	0.03	3	0.012	0.01453
106	110	EEVVL	14.46	30000	3	0.367	12.224	0.03	3	0.012	0.347	29.3	0.018	3	0.007	97
108	112	VVLAL	18.24	300	3	0.103	3.422	0.005	3	0.002	0.101	99	0.022	3	0.009	0.10418
108	112	VVLAL	18.24	30000	3	0.116	3.854	0.039	3	0.016	0.111	43.9	0.034	3	0.014	4
108	138	VVLALLKTPAQFDADELRAAM	21.29	300	28	5.978	21.349	0.056	3	0.023	5.756	56	0.191	3	0.077	0.16316
108	138	VVLALLKTPAQFDADELRAAM	21.29	30000	28	8.102	28.936	0.079	3	0.032	8.144	29.0	0.553	3	0.223	3
111	118	ALLKTPAQ	7.37	300	5	1.456	29.112	0.159	3	0.064	1.39	56	0.339	3	0.137	0.58796
111	118	ALLKTPAQ	7.37	30000	5	1.823	36.456	0.164	3	0.066	1.769	3.53	0.226	3	0.091	9
111	119	ALLKTPAQF	17.57	300	6	1.572	26.198	0.02	3	0.008	1.539	11.5	0.055	3	0.022	0.08340
111	119	ALLKTPAQF	17.57	30000	6	1.888	31.467	0.033	3	0.013	1.839	52	0.078	3	0.032	93
111	123	ALLKTPAQFDADE	17.64	300	10	1.716	17.158	0.18	3	0.073	1.689	3.37	0.139	3	0.056	0.81036
111	123	ALLKTPAQFDADE	17.64	30000	10	2.065	20.646	0.133	3	0.054	1.967	5	0.144	3	0.058	4
111	124	ALLKTPAQFDADEL	19.35	300	11	1.659	15.079	0.059	3	0.024	1.585	7	0.255	3	0.103	0.51014

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Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												16.8				0.23537
111	124	ALLKTPAQFDADEL	19.35	30000	11	1.961	17.83	0.108	3	0.043	1.851	31	0.287	3	0.115	2
		ALLKTPAQFDADELRAAMKGL										25.0				0.03355
111	138	GTDEDTL	20.6	300	25	6.462	25.85	0.1	3	0.04	6.251	05	0.212	3	0.086	16
		ALLKTPAQFDADELRAAMKGL										34.7				0.12669
111	138	GTDEDTL	20.6	30000	25	8.868	35.474	0.075	3	0.03	8.684	38	0.322	3	0.13	5
												36.0				0.14508
113	119	LKTPAQF	13.83	300	4	1.463	36.587	0.01	3	0.004	1.44	03	0.044	3	0.018	8
												43.5				0.14058
113	119	LKTPAQF	13.83	30000	4	1.775	44.37	0.015	3	0.006	1.744	99	0.058	3	0.023	5
												17.7				0.11967
113	124	LKTPAQFDADEL	18.35	300	9	1.696	18.843	0.025	3	0.01	1.601	94	0.157	3	0.063	7
												21.0				0.14935
113	124	LKTPAQFDADEL	18.35	30000	9	1.975	21.944	0.141	3	0.057	1.894	42	0.136	3	0.055	7
		LKTPAQFDADELRAAMKGLG										27.8				0.07437
113	138	TDEDTL	20.43	300	23	6.561	28.526	0.149	3	0.06	6.397	13	0.233	3	0.094	51
		LKTPAQFDADELRAAMKGLG										38.2				0.21779
113	138	TDEDTL	20.43	30000	23	8.946	38.896	0.039	3	0.016	8.804	76	0.347	3	0.14	2
																0.38302
120	124	DADEL	4.27	300	3	0.273	9.106	0.005	3	0.002	0.244	8.12	0.115	3	0.046	6
												7.73				0.87266
120	124	DADEL	4.27	30000	3	0.238	7.948	0.15	3	0.06	0.232	3	0.035	3	0.014	9
												11.4				0.17971
120	126	DADELRA	4.16	300	5	0.61	12.192	0.065	3	0.026	0.573	51	0.073	3	0.029	2
												19.5				0.78610
120	126	DADELRA	4.16	30000	5	0.96	19.193	0.213	3	0.086	0.978	65	0.175	3	0.07	8
												31.6				0.03611
120	138	DADELRAAMKGLGTDEDTL	19.62	300	17	5.541	32.596	0.145	3	0.058	5.379	4	0.17	3	0.068	65
												43.6				0.24482
120	138	DADELRAAMKGLGTDEDTL	19.62	30000	17	7.545	44.381	0.083	3	0.034	7.429	98	0.31	3	0.125	4
												32.0				0.12592
123	138	ELRAAMKGLGTDEDTL	17.58	300	14	4.634	33.102	0.27	3	0.109	4.482	15	0.086	3	0.035	4
												43.6				0.21511
123	138	ELRAAMKGLGTDEDTL	17.58	30000	14	6.328	45.198	0.123	3	0.049	6.117	94	0.513	3	0.207	1
												30.4				0.04620
124	138	LRAAMKGLGTDEDTL	16.46	300	13	4.179	32.144	0.068	3	0.027	3.964	89	0.228	3	0.092	42
												40.9				0.18533
124	138	LRAAMKGLGTDEDTL	16.46	30000	13	5.51	42.384	0.145	3	0.058	5.325	59	0.414	3	0.167	2

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												33.3				0.04120
125	138	RAAMKGLGTDEDTL	15.09	300	12	4.197	34.973	0.102	3	0.041	4.003	58	0.213	3	0.086	09
												42.5				0.14834
125	138	RAAMKGLGTDEDTL	15.09	30000	12	5.272	43.932	0.126	3	0.051	5.112	98	0.315	3	0.127	3
												37.9				0.02658
127	138	AMKGLGTDEDTL	16.09	300	10	4.041	40.41	0.096	3	0.039	3.793	33	0.223	3	0.09	53
												42.1				0.16872
127	138	AMKGLGTDEDTL	16.09	30000	10	4.351	43.512	0.103	3	0.042	4.216	56	0.286	3	0.115	9
												33.9				0.01854
129	138	KGLGTDEDTL	13.53	300	8	2.979	37.236	0.085	3	0.034	2.717	57	0.202	3	0.081	29
												39.3				0.31388
129	138	KGLGTDEDTL	13.53	30000	8	3.219	40.237	0.075	3	0.03	3.145	1	0.24	3	0.097	5
												3.27				0.41996
138	142	LIEIL	19.66	300	3	0.105	3.507	0.022	3	0.009	0.098	1	0.026	3	0.01	3
												3.11				0.83843
138	142	LIEIL	19.66	30000	3	0.091	3.021	0.039	3	0.016	0.093	1	0.036	3	0.014	8
												2.74				0.07909
139	142	IEIL	17.3	300	2	0.063	3.143	0.007	3	0.003	0.055	3	0.012	3	0.005	2
												2.67				
139	142	IEIL	17.3	30000	2	0.06	3.018	0.02	3	0.008	0.053	4	0.02	3	0.008	0.35284
		IEILASRTNKEIRDINRVYREELK										16.9				0.09687
139	181	RDLAKDITSDTSGDFRNAL	20.05	300	41	7.181	17.514	0.188	3	0.076	6.955	62	0.362	3	0.146	46
		IEILASRTNKEIRDINRVYREELK										33.9				0.09483
139	181	RDLAKDITSDTSGDFRNAL	20.05	30000	41	14.331	34.952	0.123	3	0.049	13.914	37	0.614	3	0.247	28
												10.5				0.45151
143	156	ASRTNKEIRDINRV	5.33	300	12	1.337	11.141	0.344	3	0.139	1.262	2	0.069	3	0.028	3
												25.3				0.90963
143	156	ASRTNKEIRDINRV	5.33	30000	12	3.057	25.478	0.362	3	0.146	3.038	15	0.584	3	0.235	2
												5.37				0.30418
143	157	ASRTNKEIRDINRVY	13	300	13	0.754	5.804	0.01	3	0.004	0.699	8	0.174	3	0.07	9
												14.4				0.06771
143	157	ASRTNKEIRDINRVY	13	30000	13	2.026	15.581	0.062	3	0.025	1.881	67	0.188	3	0.076	97
												5.56				0.76225
143	159	ASRTNKEIRDINRVYRE	12.99	300	15	0.856	5.706	0.192	3	0.077	0.834	1	0.217	3	0.087	1
												18.4				0.02902
143	159	ASRTNKEIRDINRVYRE	12.99	30000	15	3.043	20.286	0.269	3	0.108	2.773	88	0.183	3	0.074	05
												8.46				0.12328
143	161	ASRTNKEIRDINRVYREEL	16.5	300	17	1.539	9.055	0.036	3	0.015	1.439	5	0.172	3	0.069	9

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												22.2				0.00164
143	161	ASRTNKEIRDINRVYREEL	16.5	30000	17	4.118	24.221	0.137	3	0.055	3.787	77	0.128	3	0.052	81
		ASRTNKEIRDINRVYREELKRD										17.5				0.11366
143	168	LAKD	17.5	300	24	4.378	18.241	0.09	3	0.036	4.221	89	0.264	3	0.106	8
		ASRTNKEIRDINRVYREELKRD										36.5				0.53616
143	168	LAKD	17.5	30000	24	9.035	37.646	0.98	3	0.395	8.776	67	1.311	3	0.528	3
		ASRTNKEIRDINRVYREELKRD										16.6				0.05640
143	176	LAKDITSDTSGD	18.45	300	32	5.608	17.524	0.205	3	0.083	5.329	54	0.354	3	0.142	16
		ASRTNKEIRDINRVYREELKRD										32.4				0.01923
143	176	LAKDITSDTSGD	18.45	30000	32	10.932	34.163	0.087	3	0.035	10.371	1	0.377	3	0.152	28
		ASRTNKEIRDINRVYREELKRD										18.4				0.43511
143	177	LAKDITSDTSGDF	19.14	300	33	6.19	18.756	0.331	3	0.133	6.094	66	0.341	3	0.137	3
		ASRTNKEIRDINRVYREELKRD										34.2				0.03130
143	177	LAKDITSDTSGDF	19.14	30000	33	11.803	35.767	0.045	3	0.018	11.291	15	0.408	3	0.164	21
		ASRTNKEIRDINRVYREELKRD										17.2				0.07406
143	181	LAKDITSDTSGDFRNAL	19.31	300	37	6.624	17.904	0.212	3	0.085	6.397	9	0.322	3	0.13	76
		ASRTNKEIRDINRVYREELKRD										33.8				0.05415
143	181	LAKDITSDTSGDFRNAL	19.31	30000	37	13.055	35.284	0.068	3	0.027	12.524	49	0.565	3	0.227	55
		ASRTNKEIRDINRVYREELKRD										16.5				0.09642
143	182	LAKDITSDTSGDFRNALL	19.78	300	38	6.476	17.042	0.259	3	0.104	6.296	68	0.246	3	0.099	26
		ASRTNKEIRDINRVYREELKRD										32.1				0.02329
143	182	LAKDITSDTSGDFRNALL	19.78	30000	38	12.915	33.987	0.041	3	0.017	12.235	96	0.462	3	0.186	48
												11.8				
150	161	IRDINRVYREEL	15.67	300	10	1.115	11.148	0.055	3	0.022	1.186	57	0.158	3	0.064	0.1857
												25.1				
150	161	IRDINRVYREEL	15.67	30000	10	2.584	25.841	0.038	3	0.015	2.514	44	0.237	3	0.095	0.33233
												13.4				0.51740
153	161	INRVYREEL	13.91	300	7	0.899	12.842	0.062	3	0.025	0.944	81	0.245	3	0.099	9
												34.9				0.27058
153	161	INRVYREEL	13.91	30000	7	2.67	38.147	0.635	3	0.256	2.444	17	0.36	3	0.145	4
												33.4				
157	161	YREEL	8.28	300	3	1.02	34.003	0.068	3	0.028	1.004	64	0.01	3	0.004	0.41614
												62.0				0.58856
157	161	YREEL	8.28	30000	3	1.882	62.718	0.054	3	0.022	1.861	19	0.137	3	0.055	4
												27.3				0.02884
157	177	YREELKRD LAKDITSDTSGDF	18.48	300	19	5.538	29.145	0.249	3	0.1	5.2	68	0.701	2	0.078	42

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												41.0				0.01294
157	177	YREELKRDLAKDITSDTSGDF	18.48	30000	19	8.29	43.631	0.186	3	0.075	7.807	9	0.349	3	0.141	38
		YREELKRDLAKDITSDTSGDFR										22.8				0.11154
157	181	NAL	18.87	300	23	5.552	24.139	0.518	3	0.208	5.249	23	0.26	3	0.105	4
		YREELKRDLAKDITSDTSGDFR										37.4				0.05096
157	181	NAL	18.87	30000	23	8.986	39.068	0.442	2	0.049	8.618	71	0.416	3	0.167	47
		REELKRDLAKDITSDTSGDFRN										21.3				0.00405
158	181	AL	18.69	300	22	5.416	24.618	0.076	3	0.031	4.706	93	0.255	3	0.103	932
		REELKRDLAKDITSDTSGDFRN										37.6				0.00431
158	181	AL	18.69	30000	22	9.005	40.931	0.168	3	0.068	8.292	92	0.339	3	0.137	684
												24.2				
162	176	KRDLAKDITSDTSGD	12.02	300	13	3.515	27.038	0.024	3	0.01	3.153	56	1.393	3	0.561	0.37997
												40.1				0.20587
162	176	KRDLAKDITSDTSGD	12.02	30000	13	5.356	41.196	0.069	3	0.028	5.223	75	0.314	3	0.126	2
												29.9				0.08133
162	177	KRDLAKDITSDTSGDF	16.79	300	14	4.33	30.93	0.079	3	0.032	4.199	91	0.191	3	0.077	28
												42.7				0.04975
162	177	KRDLAKDITSDTSGDF	16.79	30000	14	6.162	44.012	0.172	3	0.069	5.98	18	0.215	3	0.086	85
												25.1				0.04753
162	181	KRDLAKDITSDTSGDFRNAL	18.11	300	18	4.723	26.241	0.111	3	0.045	4.529	6	0.227	3	0.091	52
												39.4				0.02370
162	181	KRDLAKDITSDTSGDFRNAL	18.11	30000	18	7.535	41.862	0.043	3	0.017	7.1	42	0.305	3	0.123	63
												31.8				0.12409
169	177	ITSDTSGDF	12.41	300	7	2.337	33.383	0.068	3	0.027	2.227	11	0.4	2	0.044	2
												41.8				0.22915
169	177	ITSDTSGDF	12.41	30000	7	3.009	42.986	0.086	3	0.035	2.931	71	0.2	3	0.08	6
												19.0				0.44036
169	181	ITSDTSGDFRNAL	16.94	300	11	2.166	19.689	0.295	3	0.119	2.099	77	0.129	3	0.052	1
												30.5				0.02686
169	181	ITSDTSGDFRNAL	16.94	30000	11	3.62	32.909	0.056	3	0.023	3.364	8	0.208	3	0.084	72
												9.29				0.86857
169	182	ITSDTSGDFRNALL	18.85	300	12	1.141	9.512	0.597	3	0.24	1.115	2	0.135	3	0.054	9
												14.5				0.20806
169	182	ITSDTSGDFRNALL	18.85	30000	12	2.518	20.98	1.832	3	0.737	1.744	33	0.319	3	0.129	2
												8.91				0.93072
177	181	FRNAL	8.34	300	3	0.268	8.946	0.023	3	0.009	0.267	1	0.042	3	0.017	2
												25.0				0.09729
177	181	FRNAL	8.34	30000	3	0.831	27.709	0.044	3	0.018	0.753	88	0.123	3	0.049	28

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
182	193	LSLAKGDRSEDF	15.29	300	10	2.267	22.666	0.071	3	0.029	2.099	20.9	0.164	3	0.066	0.03260
												86				86
												26.3				0.07912
182	193	LSLAKGDRSEDF	15.29	30000	10	2.788	27.878	0.039	3	0.016	2.638	85	0.199	3	0.08	31
												28.6				0.01128
182	196	LSLAKGDRSEDFGVN	15.91	300	13	3.986	30.659	0.11	3	0.044	3.729	85	0.183	3	0.074	12
												32.8				0.07452
182	196	LSLAKGDRSEDFGVN	15.91	30000	13	4.475	34.425	0.129	3	0.052	4.275	88	0.281	3	0.113	84
												28.4				0.02337
182	197	LSLAKGDRSEDFGVNE	16.26	300	14	4.229	30.204	0.097	3	0.039	3.98	29	0.215	3	0.086	87
												32.2				0.08770
182	197	LSLAKGDRSEDFGVNE	16.26	30000	14	4.706	33.617	0.125	3	0.05	4.513	36	0.292	3	0.117	2
												24.8				0.00040
182	199	LSLAKGDRSEDFGVNEDL	18.33	300	16	4.938	30.864	0.133	3	0.053	3.984	99	0.229	3	0.092	4039
												30.2				0.01538
182	199	LSLAKGDRSEDFGVNEDL	18.33	30000	16	5.299	33.12	0.133	3	0.054	4.835	16	0.328	3	0.132	09
		LSLAKGDRSEDFGVNEDLADS										24.0				
182	204	DA	18.1	300	21	6.86	32.668	0.258	3	0.104	5.057	82	0.292	3	0.118	4.21E-05
		LSLAKGDRSEDFGVNEDLADS										31.6				0.00580
182	204	DA	18.1	30000	21	7.707	36.7	0.242	3	0.098	6.642	27	0.538	3	0.217	054
		LSLAKGDRSEDFGVNEDLADS										22.0				
182	206	DARA	17.68	300	23	6.948	30.21	0.23	3	0.093	5.064	18	0.311	3	0.125	5.74E-05
		LSLAKGDRSEDFGVNEDLADS										29.2				0.00066
182	206	DARA	17.68	30000	23	8.789	38.215	0.242	3	0.098	6.718	09	0.502	3	0.202	1287
		LSLAKGDRSEDFGVNEDLADS										20.8				0.00020
182	207	DARAL	18.7	300	24	6.806	28.36	0.25	3	0.101	4.997	22	0.387	3	0.156	3526
		LSLAKGDRSEDFGVNEDLADS										27.0				0.00258
182	207	DARAL	18.7	30000	24	9.247	38.528	0.171	3	0.069	6.5	85	0.735	3	0.296	881
		LSLAKGDRSEDFGVNEDLADS										22.4				0.00043
182	222	DARALYEAGERRKGTDVNVF	19.45	300	39	12.52	32.103	0.115	3	0.046	8.75	36	0.463	3	0.186	0792
		LSLAKGDRSEDFGVNEDLADS										31.0				0.00040
182	222	DARALYEAGERRKGTDVNVF	19.45	30000	39	17.011	43.617	0.249	3	0.1	12.113	58	0.732	3	0.295	9949
		LSLAKGDRSEDFGVNEDLADS														
		DARALYEAGERRKGTDVNVF										20.7				0.00082
182	226	NTIL	20.23	300	43	13.47	31.325	0.084	3	0.034	8.902	01	0.619	3	0.249	0763
		LSLAKGDRSEDFGVNEDLADS														
		DARALYEAGERRKGTDVNVF										30.6				
182	226	NTIL	20.23	30000	43	19.372	45.051	0.143	3	0.058	13.183	59	0.43	3	0.173	6.66E-05

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Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
183	196	SLAKGDRSEDFGVN	13.16	300	12	4.073	33.942	0.322	3	0.13	3.934	32.7	0.193	3	0.078	0.20113
183	196	SLAKGDRSEDFGVN	13.16	30000	12	4.584	38.199	0.504	3	0.203	4.549	37.9	0.31	3	0.125	0.81485
183	199	SLAKGDRSEDFGVNEDL	17.57	300	15	4.914	32.763	0.103	3	0.042	4.046	26.9	0.264	2	0.029	0.00014
183	199	SLAKGDRSEDFGVNEDL	17.57	30000	15	5.301	35.341	0.142	3	0.057	5.054	33.6		1	0	1785
183	204	SLAKGDRSEDFGVNEDLADSD	17.31	300	20	6.981	34.907	0.214	3	0.086	5.188	25.9	0.203	3	0.082	1.30E-05
183	204	SLAKGDRSEDFGVNEDLADSD	17.31	30000	20	7.886	39.432	0.079	3	0.032	7.008	35.0	0.688	3	0.277	0.03012
185	196	AKGDRSEDFGVN	6.97	300	10	4.641	46.413	0.374	3	0.151	4.578	45.7	0.289	3	0.116	0.59885
185	196	AKGDRSEDFGVN	6.97	30000	10	4.961	49.613	0.264	3	0.106	4.866	48.6	0.443	3	0.178	0.47993
185	197	AKGDRSEDFGVNE	11.61	300	11	4.315	39.226	0.24	3	0.097	4.231	38.4	0.551	3	0.222	0.59560
185	197	AKGDRSEDFGVNE	11.61	30000	11	4.34	39.458	0.277	3	0.111	4.409	40.0	0.304	3	0.122	0.51017
185	199	AKGDRSEDFGVNEDL	17.09	300	13	4.606	35.428	0.081	3	0.033	3.834	29.4	0.219	3	0.088	0.00171
185	199	AKGDRSEDFGVNEDL	17.09	30000	13	4.582	35.243	0.172	3	0.069	4.409	33.9	0.272	3	0.109	0.09434
193	196	FGVN	3.93	300	2	1.732	86.596	0.058	3	0.023	1.643	82.1	0.101	3	0.041	0.04318
193	196	FGVN	3.93	30000	2	1.692	84.608	0.053	3	0.021	1.679	74	0.14	3	0.056	0.73848
193	197	FGVNE	6.28	300	3	2.22	73.999	0.169	3	0.068	2.099	83.9	0.155	3	0.062	0.08668
193	197	FGVNE	6.28	30000	3	2.176	72.526	0.186	3	0.075	2.164	69.9	0.196	3	0.079	0.86223
193	199	FGVNEDL	17.33	300	5	2.773	55.467	0.058	3	0.023	2.111	72.1	0.115	3	0.046	0.00022
193	199	FGVNEDL	17.33	30000	5	2.706	54.119	0.093	3	0.037	2.614	42.2	0.137	3	0.055	0.7548
193	204	FGVNEDLADSDA	16.9	300	10	4.606	46.059	0.12	3	0.048	2.927	29.2	0.192	3	0.077	0.08439
												73				27
																2.70E-05

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	p
												43.0				0.00112
193	204	FGVNEDLADSDA	16.9	30000	10	5.064	50.638	0.155	3	0.062	4.303	34	0.259	3	0.104	618
												24.9				
193	206	FGVNEDLADSDARA	16.32	300	12	4.578	38.15	0.149	3	0.06	2.994	49	0.239	3	0.096	7.03E-05
												36.3				0.00018
193	206	FGVNEDLADSDARA	16.32	30000	12	6.092	50.763	0.169	3	0.068	4.362	53	0.308	3	0.124	299
												22.7				
193	207	FGVNEDLADSDARAL	18.53	300	13	4.538	34.909	0.244	3	0.098	2.958	53	0.291	3	0.117	7.09E-05
												33.6				
193	207	FGVNEDLADSDARAL	18.53	30000	13	6.487	49.898	0.403	3	0.162	4.379	85	0.337	3	0.136	8.16E-05
												41.5				0.00016
194	199	GVNEDL	8.2	300	4	2.323	58.087	0.141	3	0.057	1.661	23	0.099	3	0.04	5116
												55.8				0.45735
194	199	GVNEDL	8.2	30000	4	2.281	57.014	0.11	3	0.044	2.235	66	0.205	3	0.083	8
												30.0				
194	204	GVNEDLADSDA	12.43	300	9	4.449	49.436	0.133	3	0.053	2.705	54	0.162	3	0.065	5.29E-06
												46.9				0.00121
194	204	GVNEDLADSDA	12.43	30000	9	5.012	55.692	0.121	3	0.049	4.228	76	0.242	3	0.097	852
												23.4				
194	206	GVNEDLADSDARA	12.89	300	11	4.319	39.263	0.211	3	0.085	2.575	11	0.164	3	0.066	1.63E-05
												37.8				0.00281
194	206	GVNEDLADSDARA	12.89	30000	11	5.928	53.89	0.013	3	0.005	4.159	09	0.406	3	0.164	065
												22.3				0.00336
197	204	EDLADSDA	3.54	300	6	3.089	51.478	0.047	3	0.019	1.339	25	0.456	3	0.183	186
												48.5				0.00036
197	204	EDLADSDA	3.54	30000	6	3.79	63.167	0.077	3	0.031	2.911	09	0.008	3	0.003	5592
												19.3				
197	206	EDLADSDARA	3.84	300	8	3.29	41.119	0.137	3	0.055	1.549	66	0.064	3	0.026	3.00E-05
												39.4				
197	206	EDLADSDARA	3.84	30000	8	5.094	63.677	0.105	3	0.042	3.153	12	0.185	3	0.074	2.26E-05
												10.5				
197	207	EDLADSDARAL	15.03	300	9	2.207	24.519	0.176	3	0.071	0.946	09	0.139	3	0.056	2.70E-05
												22.9				
197	207	EDLADSDARAL	15.03	30000	9	4.221	46.902	0.126	3	0.051	2.064	34	0.142	3	0.057	1.22E-06
		EDLADSDARALYEAGERRKGT										23.5				0.01468
197	222	DVNVF	18.99	300	24	9.635	40.144	2.352	3	0.947	5.656	68	0.538	3	0.217	72
		EDLADSDARALYEAGERRKGT										32.7				
197	222	DVNVF	18.99	30000	24	13.501	56.256	0.685	3	0.276	7.869	87	0.391	3	0.157	4.85E-05

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
198	207	DLADSDARAL	14.58	300	8	1.967	24.586	0.306	3	0.123	1.166	14.5	0.192	3	0.077	0.00149
												77				583
198	207	DLADSDARAL	14.58	30000	8	4.045	50.562	0.238	3	0.096	2.055	25.6	0.265	3	0.107	1.95E-05
		DLADSDARALYEAGERRKGTD										87				0.02208
198	222	VNVF	18.89	300	23	7.928	34.47	0.163	3	0.066	5.376	23.3	1.689	2	0.188	95
		DLADSDARALYEAGERRKGTD										75				
198	222	VNVF	18.89	30000	23	12.344	53.669	0.046	3	0.019	7.61	33.0	0.221	3	0.089	6.35E-05
199	207	LADSDARAL	9.63	300	7	1.111	15.877	0.068	3	0.028	0.472	14.5	0.086	3	0.035	2.30E-05
												14				0.01171
199	207	LADSDARAL	9.63	30000	7	3.375	48.214	0.25	2	0.028	1.016	19.5	0.886	2	0.099	85
												04				0.00209
200	218	ADSDARALYEAGERRKGTD	13.25	300	17	5.205	30.615	0.075	3	0.03	3.316	27.1	0.423	3	0.17	645
200	218	ADSDARALYEAGERRKGTD	13.25	30000	17	8.719	51.287	0.098	3	0.04	4.615	44	0.271	3	0.109	4.60E-05
		ADSDARALYEAGERRKGTDV										26.4				0.00149
200	221	NV	15.39	300	20	6.979	34.893	0.547	3	0.22	5.291	57	0.266	3	0.107	391
		ADSDARALYEAGERRKGTDV										32.6				0.00016
200	221	NV	15.39	30000	20	10.431	52.156	0.55	3	0.221	6.533	66	0.254	3	0.102	2929
		ADSDARALYEAGERRKGTDV										23.1				0.00069
200	222	NVF	17.37	300	21	6.852	32.63	0.146	3	0.059	4.858	32	0.394	3	0.159	6818
		ADSDARALYEAGERRKGTDV										31.2				
200	222	NVF	17.37	30000	21	10.678	50.848	0.195	3	0.078	6.557	26	0.36	3	0.145	2.16E-05
		ADSDARALYEAGERRKGTDV										21.6				
200	226	NVFNTIL	19.75	300	25	8.184	32.734	0.448	3	0.181	5.414	57	0.342	3	0.138	5.00E-05
		ADSDARALYEAGERRKGTDV										31.9				0.00111
200	226	NVFNTIL	19.75	30000	25	13.382	53.529	0.987	3	0.397	7.992	69	0.232	3	0.093	18
												22.6				0.00157
204	222	ARALYEAGERRKGTDVNVF	15.83	300	17	5.078	29.869	0.823	2	0.092	3.858	92	0.284	3	0.114	619
												28.3				
204	222	ARALYEAGERRKGTDVNVF	15.83	30000	17	7.306	42.975	0.234	3	0.094	4.827	95	0.206	3	0.083	5.07E-06
												11.2				
205	212	RALYEAGE	7.89	300	6	1.514	25.231	0.083	3	0.033	0.673	09	0.091	3	0.037	8.63E-06
												21.1				0.00019
205	212	RALYEAGE	7.89	30000	6	3.296	54.93	0.066	3	0.027	1.272	94	0.209	3	0.084	4402
												28.6				
205	221	RALYEAGERRKGTDVNV	12.31	300	15	5.442	36.278	0.179	3	0.072	4.297	47	0.164	3	0.066	3.73E-05

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	p
												33.7				0.00166
205	221	RALYEAGERRKGTDVNV	12.31	30000	15	6.75	45.001	0.107	3	0.043	5.064	57	0.395	3	0.159	505
												23.0				0.00078
205	222	RALYEAGERRKGTDVNVF	15.54	300	16	4.892	30.577	0.094	3	0.038	3.691	68	0.251	3	0.101	5413
												29.7				0.00042
205	222	RALYEAGERRKGTDVNVF	15.54	30000	16	6.5	40.626	0.159	3	0.064	4.758	4	0.346	3	0.139	5408
		RALYEAGERRKGTDVNVFNTI										17.9				
205	226	L	19.49	300	20	5.766	28.832	0.39	3	0.157	3.582	08	0.319	3	0.128	6.48E-05
		RALYEAGERRKGTDVNVFNTI										27.8				
205	226	L	19.49	30000	20	8.632	43.161	0.254	3	0.102	5.562	09	0.282	3	0.114	4.53E-06
												35.5				0.00386
207	221	LYEAGERRKGTDVNV	10.44	300	13	6.008	46.216	0.65	3	0.262	4.623	6	0.337	3	0.136	692
												41.3				0.00459
207	221	LYEAGERRKGTDVNV	10.44	30000	13	6.586	50.66	0.617	3	0.248	5.38	87	0.658	3	0.265	326
												27.0				0.00872
207	222	LYEAGERRKGTDVNVF	15.47	300	14	4.958	35.413	0.121	3	0.049	3.783	23	0.71	2	0.079	225
												34.2				
207	222	LYEAGERRKGTDVNVF	15.47	30000	14	5.761	41.149	0.163	3	0.065	4.793	39	0.15	3	0.06	4.92E-05
												19.7				0.00052
207	226	LYEAGERRKGTDVNVFNTIL	19.8	300	18	5.634	31.301	0.108	3	0.043	3.547	06	0.332	3	0.134	7666
												29.6				
207	226	LYEAGERRKGTDVNVFNTIL	19.8	30000	18	7.706	42.811	0.179	3	0.072	5.337	5	0.315	3	0.127	6.51E-05
												30.9				0.00120
208	222	YEAGERRKGTDVNVF	14.09	300	13	5.154	39.643	0.101	3	0.041	4.029	89	0.275	3	0.111	803
												39.0				0.00701
208	222	YEAGERRKGTDVNVF	14.09	30000	13	5.688	43.75	0.156	3	0.063	5.073	21	0.337	3	0.136	212
												22.1				
208	226	YEAGERRKGTDVNVFNTIL	19.72	300	17	5.669	33.349	0.126	3	0.051	3.773	93	0.203	3	0.082	2.26E-05
												31.0				0.00113
208	226	YEAGERRKGTDVNVFNTIL	19.72	30000	17	7.495	44.088	0.177	3	0.071	5.273	19	0.51	3	0.205	872
												44.4				0.25253
212	222	ERRKGTDVNVF	11.33	300	9	4.349	48.321	0.552	3	0.222	4.004	91	0.917	3	0.369	4
												48.1				0.05878
212	222	ERRKGTDVNVF	11.33	30000	9	4.672	51.906	0.351	3	0.141	4.331	23	0.425	3	0.171	49
												40.1				0.01902
213	222	RRKGTDVNVF	10.36	300	8	3.533	44.163	0.238	3	0.096	3.215	84	0.087	3	0.035	78
												47.1				0.13879
213	222	RRKGTDVNVF	10.36	30000	8	3.932	49.15	0.161	3	0.065	3.776	97	0.298	3	0.12	3

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												22.6				0.00023
219	222	VNVF	14.93	300	2	0.631	31.529	0.013	3	0.005	0.453	74	0.029	3	0.012	3678
												47.2				0.00022
219	222	VNVF	14.93	30000	2	1.055	52.744	0.024	3	0.01	0.946	86	0.016	3	0.006	1043
												11.6				0.00030
222	226	FNTIL	18.13	300	3	0.772	25.731	0.012	3	0.005	0.348	13	0.045	3	0.018	4704
												26.8				0.00073
222	226	FNTIL	18.13	30000	3	1.584	52.809	0.001	3	0	0.805	33	0.091	3	0.037	0952
												15.9				0.00111
223	234	NTILTTRSYPL	18.5	300	9	1.791	19.896	0.064	3	0.026	1.437	63	0.114	3	0.046	737
												29.5				
223	234	NTILTTRSYPL	18.5	30000	9	5.349	59.43	0.048	3	0.019	2.659	44	0.149	3	0.06	4.24E-05
												25.3				0.01617
227	234	TTRSYPL	13.3	300	5	1.357	27.133	0.022	3	0.009	1.267	47	0.062	3	0.025	94
												41.2				0.00010
227	234	TTRSYPL	13.3	30000	5	2.781	55.614	0.037	3	0.015	2.064	87	0.083	3	0.034	4647
												20.2				
235	254	RRVFQKYTKYSKDHMKNKVL	13.32	300	18	4.802	26.677	0.149	3	0.06	3.644	45	0.212	3	0.085	9.35E-05
												24.1				
235	254	RRVFQKYTKYSKDHMKNKVL	13.32	30000	18	5.89	32.722	0.248	3	0.1	4.355	93	0.297	3	0.12	8.64E-05
												23.0				
235	255	RRVFQKYTKYSKDHMKNKVL	16.37	300	19	5.6	29.474	0.137	3	0.055	4.384	76	0.206	3	0.083	8.55E-05
												26.7				
235	255	RRVFQKYTKYSKDHMKNKVL	16.37	30000	19	6.783	35.702	0.142	3	0.057	5.089	86	0.239	3	0.096	6.83E-05
		RRVFQKYTKYSKDHMKNKVL										27.5				
235	257	EL	17.94	300	21	6.915	32.929	0.186	3	0.075	5.781	29	0.198	3	0.08	5.76E-05
		RRVFQKYTKYSKDHMKNKVL										30.7				0.00157
235	257	EL	17.94	30000	21	8.012	38.153	0.047	3	0.019	6.454	35	0.297	3	0.12	421
												44.9				0.02035
255	262	LELKGDI	14.32	300	6	2.985	49.753	0.021	3	0.008	2.696	4	0.185	3	0.074	83
												52.8				0.17750
255	262	LELKGDI	14.32	30000	6	3.302	55.028	0.036	3	0.014	3.171	47	0.277	3	0.112	2
												34.1				0.00088
255	266	LELKGDIKCLT	18.81	300	10	3.823	38.229	0.05	3	0.02	3.411	13	0.108	3	0.043	5007
												47.5				0.00464
255	266	LELKGDIKCLT	18.81	30000	10	5.262	52.619	0.088	3	0.035	4.755	51	0.221	3	0.089	773
												30.8				0.00052
255	267	LELKGDIKCLTA	19.3	300	11	4.046	36.786	0.171	3	0.069	3.395	63	0.202	3	0.081	0844

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												44.2				0.01676
255	267	LELKGDIKCLTA	19.3	30000	11	5.508	50.076	0.047	3	0.019	4.864	22	0.377	3	0.152	01
												33.3				0.03848
256	266	ELKGDIEKCLT	17.6	300	9	3.358	37.316	0.049	3	0.02	3.003	64	0.422	2	0.047	45
												51.2				0.06125
256	266	ELKGDIEKCLT	17.6	30000	9	4.825	53.608	0.274	3	0.11	4.617	94	0.163	3	0.066	71
												32.6				0.00212
256	267	ELKGDIEKCLTA	18.48	300	10	3.622	36.217	0.073	3	0.029	3.266	63	0.138	3	0.055	385
												46.4				0.00303
256	267	ELKGDIEKCLTA	18.48	30000	10	5.19	51.896	0.068	3	0.027	4.649	88	0.189	3	0.076	965
												21.9				0.00526
258	265	KGDIEKCL	13.07	300	6	1.494	24.894	0.1	3	0.04	1.315	18	0.097	3	0.039	068
												42.0				0.00264
258	265	KGDIEKCL	13.07	30000	6	2.698	44.974	0.078	3	0.032	2.52	03	0.046	3	0.018	573
												19.5				0.00994
258	266	KGDIEKCLT	11.64	300	7	1.607	22.961	0.036	3	0.014	1.369	57	0.125	3	0.05	523
												37.9				0.01338
258	266	KGDIEKCLT	11.64	30000	7	3.039	43.415	0.044	3	0.018	2.659	85	0.211	3	0.085	41
												15.5				0.00730
258	267	KGDIEKCLTA	14.21	300	8	1.469	18.361	0.005	3	0.002	1.247	86	0.083	3	0.033	455
												29.4				0.00014
258	267	KGDIEKCLTA	14.21	30000	8	2.747	34.344	0.085	3	0.034	2.358	72	0.082	3	0.033	45
												17.3				0.00060
258	278	KGDIEKCLTAIVKCATSKPAF	21.38	300	18	3.501	19.448	0.111	3	0.044	3.13	86	0.118	3	0.048	3625
												30.2				0.00462
258	278	KGDIEKCLTAIVKCATSKPAF	21.38	30000	18	6.125	34.027	0.052	3	0.021	5.437	07	0.236	3	0.095	811
												18.9				0.15827
267	278	AIVKCATSKPAF	14.26	300	9	1.764	19.602	0.047	3	0.019	1.709	89	0.113	3	0.045	6
												27.9				0.97977
267	278	AIVKCATSKPAF	14.26	30000	9	2.52	28.004	0.224	3	0.09	2.519	84	0.177	3	0.071	8
												15.9				0.04594
267	279	AIVKCATSKPAFF	18.09	300	10	1.662	16.617	0.064	3	0.026	1.596	59	0.075	3	0.03	62
												23.8				0.13480
267	279	AIVKCATSKPAFF	18.09	30000	10	2.463	24.633	0.038	3	0.015	2.387	71	0.139	3	0.056	8
												20.8				0.07904
268	278	IVKCATSKPAF	12.12	300	8	1.733	21.66	0.057	3	0.023	1.664	02	0.1	3	0.04	32
												32.0				0.17772
268	278	IVKCATSKPAF	12.12	30000	8	2.618	32.72	0.021	3	0.008	2.564	48	0.115	3	0.046	2

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
												17.9				0.09521
268	279	IVKCATSKPAFF	17.41	300	9	1.694	18.82	0.031	3	0.012	1.615	41	0.119	3	0.048	18
												26.8				0.09267
268	279	IVKCATSKPAFF	17.41	30000	9	2.49	27.669	0.037	3	0.015	2.417	54	0.111	3	0.045	51
												22.8				0.12007
269	278	VKCATSKPAF	12.3	300	7	1.655	23.645	0.032	3	0.013	1.602	84	0.093	3	0.037	1
												34.5				0.15044
269	278	VKCATSKPAF	12.3	30000	7	2.473	35.331	0.015	3	0.006	2.42	72	0.101	3	0.041	2
												25.3				
270	278	KCATSKPAF	12.44	300	6	1.599	26.647	0.046	3	0.019	1.522	65	0.124	3	0.05	0.10173
												39.6				0.78095
270	278	KCATSKPAF	12.44	30000	6	2.386	39.76	0.035	3	0.014	2.377	22	0.109	3	0.044	1
												21.2				0.00755
279	297	FAEKLHQAMKGVGTRHKAL	14.36	300	17	3.891	22.887	0.11	3	0.044	3.613	56	0.176	3	0.071	246
												33.7				0.02935
279	297	FAEKLHQAMKGVGTRHKAL	14.36	30000	17	6.097	35.864	0.123	3	0.05	5.739	56	0.325	3	0.131	09
		FAEKLHQAMKGVGTRHKALIR										15.6				0.00665
279	300	I	17.18	300	20	3.57	17.851	0.104	3	0.042	3.126	32	0.234	3	0.094	03
		FAEKLHQAMKGVGTRHKALIR										26.9				0.02380
279	300	I	17.18	30000	20	5.8	29.002	0.011	3	0.004	5.398	88	0.273	3	0.11	65
		FAEKLHQAMKGVGTRHKALIR										18.4				0.28091
279	309	IMVSRSEIDM	18.98	300	29	5.576	19.228	0.188	3	0.075	5.338	06	0.706	3	0.284	5
		FAEKLHQAMKGVGTRHKALIR										28.9				0.48744
279	309	IMVSRSEIDM	18.98	30000	29	8.525	29.396	0.459	3	0.185	8.407	88	0.483	3	0.194	6
												28.5				0.21651
280	297	AEKLHQAMKGVGTRHKAL	4.13	300	16	4.757	29.733	0.464	3	0.187	4.568	52	0.229	3	0.092	5
												43.0				0.67637
280	297	AEKLHQAMKGVGTRHKAL	4.13	30000	16	6.963	43.518	0.454	3	0.183	6.888	47	0.557	3	0.224	7
												4.41				0.60362
298	303	IRIMVS	13.78	300	4	0.184	4.591	0.02	3	0.008	0.177	9	0.046	3	0.019	9
												6.00				0.49874
298	303	IRIMVS	13.78	30000	4	0.257	6.425	0.083	3	0.033	0.24	2	0.049	3	0.02	7
												4.18				0.09386
298	305	IRIMVSRS	9.74	300	6	0.332	5.539	0.08	3	0.032	0.251	1	0.128	3	0.052	99
												13.0				0.01748
298	305	IRIMVSRS	9.74	30000	6	0.946	15.764	0.086	3	0.034	0.784	72	0.135	3	0.054	75
												12.1				0.34973
298	306	IRIMVSRSE	12.14	300	7	0.88	12.572	0.08	3	0.032	0.852	76	0.08	3	0.032	7

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
298	306	IRIMVSRSE	12.14	30000	7	1.314	18.769	0.028	3	0.011	1.377	19.6	0.337	3	0.136	0.50535
298	309	IRIMVSRSEIDM	18.16	300	10	2.437	24.374	0.124	3	0.05	2.514	25.1	0.097	3	0.039	0.10698
298	309	IRIMVSRSEIDM	18.16	30000	10	3.464	34.641	0.126	3	0.051	3.26	29.5	0.241	3	0.097	0.04812
298	311	IRIMVSRSEIDMND	17.83	300	12	3.55	29.579	0.194	3	0.078	3.542	16	0.156	3	0.063	0.90203
298	311	IRIMVSRSEIDMND	17.83	30000	12	4.642	38.687	0.043	3	0.017	4.274	35.6	0.601	3	0.242	0.11820
301	309	MVSRSEIDM	14.73	300	7	2.206	31.519	0.056	3	0.023	2.184	31.2	0.108	3	0.044	0.49244
301	309	MVSRSEIDM	14.73	30000	7	3.048	43.543	0.017	3	0.007	2.986	42.6	0.138	3	0.056	0.19346
301	311	MVSRSEIDMND	13.84	300	9	3.304	36.708	0.318	3	0.128	3.264	36.2	0.097	3	0.039	0.65481
301	311	MVSRSEIDMND	13.84	30000	9	4.298	47.751	0.113	3	0.046	4.164	46.2	0.252	3	0.101	0.13699
302	309	VSRSEIDM	11.95	300	6	2.163	36.048	0.084	3	0.034	2.399	39.9	0.884	3	0.356	0.36983
302	309	VSRSEIDM	11.95	30000	6	2.986	49.763	0.034	3	0.014	2.988	49.7	0.146	3	0.059	0.96197
304	309	RSEIDM	6.84	300	4	1.957	48.93	0.051	3	0.021	1.919	47.9	0.051	3	0.021	0.08438
304	309	RSEIDM	6.84	30000	4	2.476	61.903	0.056	3	0.023	2.438	60.9	0.149	3	0.06	0.39156
304	311	RSEIDMND	5.22	300	6	3.02	50.334	0.198	3	0.08	2.816	46.9	0.103	3	0.042	0.02932
304	311	RSEIDMND	5.22	30000	6	3.497	58.285	0.125	3	0.05	3.399	56.6	0.253	3	0.102	0.23334
306	309	EIDM	7.34	300	2	0.707	35.344	0.028	3	0.011	0.701	35.0	0.152	3	0.061	0.88783
306	309	EIDM	7.34	30000	2	1.201	60.035	0.056	3	0.023	1.159	57.9	0.11	3	0.044	0.24497
310	315	NDIKAF	11.32	300	4	0.245	6.114	0.009	3	0.004	0.272	64	0.042	3	0.017	0.09712
310	315	NDIKAF	11.32	30000	4	0.79	19.759	0.028	3	0.011	0.913	6.80	0.066	3	0.027	0.00739

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p	
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev		
												6.59					0.41883
315	319	FYQKM	6.82	300	3	0.193	6.419	0.017	3	0.007	0.198	2	0.018	3	0.007	7	
												56.2					0.55882
315	319	FYQKM	6.82	30000	3	1.675	55.828	0.032	3	0.013	1.689	96	0.085	3	0.034	2	
												15.6					
315	321	FYQKMYG	13.56	300	5	0.799	15.978	0.013	3	0.005	0.782	3	0.054	3	0.022	0.29857	
												45.6					0.75587
315	321	FYQKMYG	13.56	30000	5	2.294	45.889	0.015	3	0.006	2.285	94	0.118	3	0.047	8	
												23.1					
315	323	FYQKMYGIS	16.77	300	7	1.6	22.853	0.173	3	0.07	1.619	23	0.076	3	0.031	0.69914	
												53.4					0.26744
315	323	FYQKMYGIS	16.77	30000	7	3.789	54.134	0.024	3	0.01	3.74	24	0.141	3	0.057	1	
												29.2					0.74958
315	324	FYQKMYGISL	19.83	300	8	2.298	28.731	0.428	3	0.172	2.337	08	0.18	3	0.073	9	
												58.5					0.09075
315	324	FYQKMYGISL	19.83	30000	8	4.567	57.087	0.153	3	0.062	4.681	17	0.161	3	0.065	81	
												30.2					0.22766
315	329	FYQKMYGISLCQAIL	21.46	300	13	3.76	28.923	0.207	3	0.083	3.929	21	0.428	3	0.172	2	
												46.6					0.01185
315	329	FYQKMYGISLCQAIL	21.46	30000	13	6.432	49.48	0.151	3	0.061	6.061	24	0.266	3	0.107	97	
												21.3					0.85093
316	321	YQKMYG	4.66	300	4	0.851	21.282	0.018	3	0.007	0.853	23	0.029	3	0.012	7	
												50.8					0.88555
316	321	YQKMYG	4.66	30000	4	2.037	50.933	0.051	3	0.02	2.033	31	0.101	3	0.041	8	
												25.6					0.13724
316	323	YQKMYGIS	14.55	300	6	1.595	26.584	0.023	3	0.009	1.538	31	0.105	3	0.042	5	
												55.6					
316	323	YQKMYGIS	14.55	30000	6	3.291	54.852	0.024	3	0.01	3.34	59	0.042	3	0.017	0.02076	
												34.8					0.07841
316	329	YQKMYGISLCQAIL	21.19	300	12	3.878	32.321	0.278	3	0.112	4.177	06	0.434	3	0.175	96	
												50.2					0.03802
316	329	YQKMYGISLCQAIL	21.19	30000	12	6.205	51.71	0.166	3	0.067	6.032	69	0.047	3	0.019	5	
		YQKMYGISLCQAILDETKGDY										44.4					0.35206
316	340	EKIL	21.86	300	23	10.148	44.122	0.216	3	0.087	10.228	68	0.242	3	0.097	2	
		YQKMYGISLCQAILDETKGDY															0.95635
316	340	EKIL	21.86	30000	23	13.439	58.43	0.144	3	0.058	13.432	58.4	0.468	3	0.188	6	
												49.9					0.56829
320	324	YGISL	18.41	300	3	1.527	50.889	0.094	3	0.038	1.499	69	0.429	2	0.048	6	

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev	
320	324	YGISL	18.41	30000	3	2.286	76.208	0.019	3	0.007	2.205	01	0.151	3	0.061	0.14479
320	340	YGISLCQAILDETKGDYEKIL	21.9	300	19	8.793	46.278	0.078	3	0.031	8.695	63	0.142	3	0.057	0.07808
320	340	YGISLCQAILDETKGDYEKIL	21.9	30000	19	11.415	60.081	0.089	3	0.036	11.319	74	0.343	3	0.138	0.35084
322	326	ISLCQ	10.62	300	3	2.153	71.765	0.164	3	0.066	1.994	72	0.056	2	0.006	0.05157
322	326	ISLCQ	10.62	30000	3	2.325	77.502	0.146	3	0.059	2.341	31	0.106	3	0.043	0.01024
322	336	ISLCQAILDETKGDY	21.29	300	13	6.695	51.503	0.24	3	0.097	6.359	12	0.186	3	0.075	0.01852
322	336	ISLCQAILDETKGDY	21.29	30000	13	7.804	60.028	0.174	3	0.07	7.386	14	0.341	3	0.137	0.90443
322	340	ISLCQAILDETKGDYEKIL	21.66	300	17	8.512	50.071	0.128	3	0.052	8.499	96	0.388	3	0.156	0.18415
322	340	ISLCQAILDETKGDYEKIL	21.66	30000	17	10.542	62.01	0.034	3	0.014	10.405	08	0.296	3	0.119	0.61037
322	347	ISLCQAILDETKGDYEKILVALC GGN	23.49	300	24	10.343	43.098	0.072	3	0.029	10.406	58	0.447	3	0.18	0.31887
322	347	ISLCQAILDETKGDYEKILVALC GGN	23.49	30000	24	14.46	60.25	0.159	3	0.064	14.391	63	0.204	3	0.082	0.49267
324	329	LCQAIL	17	300	4	0.724	18.093	0.108	3	0.043	0.752	05	0.122	3	0.049	0.79442
324	329	LCQAIL	17	30000	4	1.407	35.167	0.121	3	0.049	1.397	33	0.075	3	0.03	0.76567
325	329	CQAIL	12.68	300	3	0.089	2.96	0.022	3	0.009	0.094	9	0.062	3	0.025	0.27060
325	329	CQAIL	12.68	30000	3	0.75	25.012	0.223	3	0.09	0.672	16	0.037	3	0.015	0.23807
330	340	DETKGDYEKIL	16.04	300	9	3.377	37.525	0.484	3	0.195	3.563	86	0.093	3	0.037	0.91510
330	340	DETKGDYEKIL	16.04	30000	9	4.48	49.781	0.044	3	0.018	4.475	17	0.202	3	0.081	0.02542
332	340	TKGDYEKIL	16.19	300	7	3.027	43.237	0.03	3	0.012	2.875	66	0.118	3	0.048	0.42557
332	340	TKGDYEKIL	16.19	30000	7	3.777	53.961	0.089	3	0.036	3.736	74	0.171	3	0.069	6

Appendix Table A2 - Bead-based proteolysis

Start	End	Sequence	RT [min]	Deut Time (sec)	ma xD	ANXA1					ANXA1 + Ab					p	
						#D	%D	Conf Interval (#D)	#P ts	Stddev	#D	%D	Conf Interval (#D)	#P ts	Stddev		
												37.3					0.19981
341	347	VALCGGN	3.51	300	5	1.939	38.784	0.065	3	0.026	1.869	73	0.165	3	0.067		3
												53.6					0.06333
341	347	VALCGGN	3.51	30000	5	2.8	56.009	0.028	3	0.011	2.684	89	0.138	3	0.056		49

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
348	361	ASVYAWNRKRISNC	15.42	30	12	2.484	20.697	0.448	2	0.05	
348	361	ASVYAWNRKRISNC	15.42	300	12	3.114	25.951	0.053	2	0.006	
348	361	ASVYAWNRKRISNC	15.42	600	12	3.269	27.241	0.252	2	0.028	
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.359	27.988	0.078	2	0.009	
348	361	ASVYAWNRKRISNC	15.42	86400	12	4.698	39.148	2.914	2	0.324	
351	361	YAWNRKRISNC	13.93	30	9	2.226	24.734	0.709	2	0.079	
351	361	YAWNRKRISNC	13.93	300	9	2.797	31.074	0.023	2	0.003	
351	361	YAWNRKRISNC	13.93	600	9	2.738	30.42	1.337	2	0.149	
351	361	YAWNRKRISNC	13.93	3000	9	3.034	33.709	0.369	2	0.041	
351	361	YAWNRKRISNC	13.93	86400	9	3.837	42.631	3.156	2	0.351	
351	364	YAWNRKRISNCVAD	15.47	30	12	3.281	27.34	0.145	2	0.016	
351	364	YAWNRKRISNCVAD	15.47	300	12	4.504	37.532	0.377	2	0.042	
351	364	YAWNRKRISNCVAD	15.47	600	12	4.591	38.261	1.15	2	0.128	
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.611	38.426	0.426	2	0.047	
351	364	YAWNRKRISNCVAD	15.47	86400	12	5.318	44.318	4.649	2	0.517	
351	368	YAWNRKRISNCVADYSVL	19.38	30	16	6.002	37.51	0.514	2	0.057	
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.771	48.567	0.95	2	0.106	
351	368	YAWNRKRISNCVADYSVL	19.38	600	16	8.106	50.663	1.217	2	0.135	
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.971	49.822	0.185	2	0.021	
351	368	YAWNRKRISNCVADYSVL	19.38	86400	16	8.539	53.367	5.442	2	0.606	
362	368	VADYSVL	16.86	30	5	2.542	50.83	0.771	2	0.086	
362	368	VADYSVL	16.86	300	5	3.082	61.637	0.015	2	0.002	
362	368	VADYSVL	16.86	600	5	3.073	61.462	0.008	2	0.001	
362	368	VADYSVL	16.86	3000	5	3.067	61.35	0.149	2	0.017	
362	368	VADYSVL	16.86	86400	5	2.865	57.299	1.894	2	0.211	
365	368	YSVL	14.72	30	2	1.087	54.368	0.076	2	0.008	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey												
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev		
365	368	YSVL	14.72	300	2	1.541	77.044	0.466	2	0.052		
365	368	YSVL	14.72	600	2	1.558	77.92	0.085	2	0.009		
365	368	YSVL	14.72	3000	2	1.534	76.707	0.136	2	0.015		
365	368	YSVL	14.72	86400	2	1.458	72.915	0.553	2	0.062		
369	374	YNSASF	12.72	30	4	2.583	64.563	1.014	2	0.113		
369	374	YNSASF	12.72	300	4	2.599	64.978	0.239	2	0.027		
369	374	YNSASF	12.72	600	4	2.578	64.459	0.11	2	0.012		
369	374	YNSASF	12.72	3000	4	2.588	64.705	0.673	2	0.075		
369	374	YNSASF	12.72	86400	4	2.425	60.626	1.644	2	0.183		
369	376	YNSASFST	12.7	30	6	4.027	67.119	1.162	2	0.129		
369	376	YNSASFST	12.7	300	6	4.09	68.161	0.116	2	0.013		
369	376	YNSASFST	12.7	600	6	4.094	68.238	0.039	2	0.004		
369	376	YNSASFST	12.7	3000	6	4.078	67.962	0.725	2	0.081		
369	376	YNSASFST	12.7	86400	6	3.802	63.363	2.448	2	0.272		
369	387	YNSASFSTFKCYGVSPKTL	19.39	30	16	7.381	46.133	2.45	2	0.273		
369	387	YNSASFSTFKCYGVSPKTL	19.39	300	16	8.244	51.526	0.405	2	0.045		
369	387	YNSASFSTFKCYGVSPKTL	19.39	600	16	8.214	51.335		1	0		
369	387	YNSASFSTFKCYGVSPKTL	19.39	3000	16	8.451	52.821	1.367	2	0.152		
369	387	YNSASFSTFKCYGVSPKTL	19.39	86400	16	8.332	52.073		1	0		
374	387	FSTFKCYGVSPKTL	18.86	30	11	4.843	44.031	0.881	2	0.098		
374	387	FSTFKCYGVSPKTL	18.86	300	11	5.704	51.853	0.686	2	0.076		
374	387	FSTFKCYGVSPKTL	18.86	600	11	5.7	51.82	0.037	2	0.004		
374	387	FSTFKCYGVSPKTL	18.86	3000	11	5.795	52.684	0.882	2	0.098		
374	387	FSTFKCYGVSPKTL	18.86	86400	11	6.068	55.167	3.965	2	0.441		
375	387	STFKCYGVSPKTL	17.72	30	10	4.449	44.49	0.984	2	0.11		
375	387	STFKCYGVSPKTL	17.72	300	10	5.139	51.388	0.092	2	0.01		
375	387	STFKCYGVSPKTL	17.72	600	10	5.236	52.356	0.016	2	0.002		
375	387	STFKCYGVSPKTL	17.72	3000	10	5.322	53.225	0.624	2	0.069		

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
375	387	STFKCYGVSPTKL	17.72	86400	10	5.609	56.091	4.068	2	0.453	
378	387	KCYGVSPTKL	13.89	30	7	3.459	49.413	0.118	2	0.013	
378	387	KCYGVSPTKL	13.89	300	7	4.047	57.816	0.874	2	0.097	
378	387	KCYGVSPTKL	13.89	600	7	4.056	57.942	0.646	2	0.072	
378	387	KCYGVSPTKL	13.89	3000	7	4.157	59.382	0.178	2	0.02	
378	387	KCYGVSPTKL	13.89	86400	7	4.127	58.951	2.008	2	0.224	
388	392	NDLCF	18.53	30	3	1.275	42.507	0.426	2	0.047	
388	392	NDLCF	18.53	300	3	1.656	55.203	0.562	2	0.063	
388	392	NDLCF	18.53	600	3	1.815	60.51	0.096	2	0.011	
388	392	NDLCF	18.53	3000	3	1.754	58.464	0.451	2	0.05	
388	392	NDLCF	18.53	86400	3	1.673	55.774	1.102	2	0.123	
388	395	NDLCFTNV	19.06	30	6	2.632	43.862	0.722	2	0.08	
388	395	NDLCFTNV	19.06	300	6	3.499	58.324	0.142	2	0.016	
388	395	NDLCFTNV	19.06	600	6	3.788	63.128	0.243	2	0.027	
388	395	NDLCFTNV	19.06	3000	6	3.946	65.768	0.689	2	0.077	
388	395	NDLCFTNV	19.06	86400	6	3.708	61.795	2.595	2	0.289	
388	399	NDLCFTNVYADS	19.38	30	10	2.525	25.252	0.041	2	0.005	
388	399	NDLCFTNVYADS	19.38	300	10	3.398	33.983	0.5	2	0.056	
388	399	NDLCFTNVYADS	19.38	600	10	3.753	37.527	0.405	2	0.045	
388	399	NDLCFTNVYADS	19.38	3000	10	3.901	39.014	0.988	2	0.11	
388	399	NDLCFTNVYADS	19.38	86400	10	4.006	40.062	3.122	2	0.348	
392	395	FTNV	4.35	30	2	0.6	29.983	0.254	2	0.028	
392	395	FTNV	4.35	300	2	1.047	52.37	0.039	2	0.004	
392	395	FTNV	4.35	600	2	1.24	62.012	0.027	2	0.003	
392	395	FTNV	4.35	3000	2	1.356	67.798	0.345	2	0.038	
392	395	FTNV	4.35	86400	2	1.278	63.913	0.818	2	0.091	
392	399	FTNVYADS	13.73	30	6	0.622	10.361	0.058	2	0.007	
392	399	FTNVYADS	13.73	300	6	1.076	17.933	0.026	2	0.003	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
392	399	FTNVYADS	13.73	600	6	1.271	21.187	0.161	2	0.018	
392	399	FTNVYADS	13.73	3000	6	1.471	24.524	0.005	2	0.001	
392	399	FTNVYADS	13.73	86400	6	1.809	30.154	1.043	2	0.116	
392	400	FTNVYADSF	19.28	30	7	0.543	7.752	0.441	2	0.049	
392	400	FTNVYADSF	19.28	300	7	0.964	13.773	0.317	2	0.035	
392	400	FTNVYADSF	19.28	600	7	1.129	16.135	0.376	2	0.042	
392	400	FTNVYADSF	19.28	3000	7	1.331	19.011	0.091	2	0.01	
392	400	FTNVYADSF	19.28	86400	7	1.69	24.14	0.828	2	0.092	
396	400	YADSF	14.13	30	3	0.224	7.478	0.092	2	0.01	
396	400	YADSF	14.13	300	3	0.221	7.372	0.066	2	0.007	
396	400	YADSF	14.13	600	3	0.224	7.469	0.307	2	0.034	
396	400	YADSF	14.13	3000	3	0.351	11.686	0.222	2	0.025	
396	400	YADSF	14.13	86400	3	0.634	21.125	0.256	2	0.028	
400	406	FVIRGDE	11.8	30	5	0.346	6.911	0.011	2	0.001	
400	406	FVIRGDE	11.8	300	5	0.381	7.628	0.103	2	0.012	
400	406	FVIRGDE	11.8	600	5	0.374	7.489	0.208	2	0.023	
400	406	FVIRGDE	11.8	3000	5	0.412	8.245	0.029	2	0.003	
400	406	FVIRGDE	11.8	86400	5	0.85	16.996	0.594	2	0.066	
400	407	FVIRGDEV	16.38	30	6	0.406	6.76	0.17	2	0.019	
400	407	FVIRGDEV	16.38	300	6	0.426	7.104	0.307	2	0.034	
400	407	FVIRGDEV	16.38	600	6	0.477	7.951	0.194	2	0.022	
400	407	FVIRGDEV	16.38	3000	6	0.74	12.341	0.087	2	0.01	
400	407	FVIRGDEV	16.38	86400	6	1.683	28.046	0.216	2	0.024	
400	409	FVIRGDEVRQ	14.37	30	8	1.069	13.362	0.445	2	0.05	
400	409	FVIRGDEVRQ	14.37	300	8	1.127	14.091	0.227	2	0.025	
400	409	FVIRGDEVRQ	14.37	600	8	1.208	15.106	0.092	2	0.01	
400	409	FVIRGDEVRQ	14.37	3000	8	1.557	19.463	0.357	2	0.04	
400	409	FVIRGDEVRQ	14.37	86400	8	2.641	33.015	1.117	2	0.124	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
400	420	FVIRGDEVRQIAPGQTGKIAD	16.92	30	18	3.344	18.578	0.408	2	0.045	
400	420	FVIRGDEVRQIAPGQTGKIAD	16.92	300	18	4.382	24.343	0.232	2	0.026	
400	420	FVIRGDEVRQIAPGQTGKIAD	16.92	600	18	4.648	25.82	0.452	2	0.05	
400	420	FVIRGDEVRQIAPGQTGKIAD	16.92	3000	18	5.021	27.894	1.264	2	0.141	
400	420	FVIRGDEVRQIAPGQTGKIAD	16.92	86400	18	6.658	36.987	5.371	2	0.598	
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	30	19	3.294	17.335	0.358	2	0.04	
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	300	19	4.295	22.607	0.194	2	0.022	
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	600	19	4.577	24.089	0.303	2	0.034	
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	3000	19	5.075	26.713	0.051	2	0.006	
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	86400	19	6.781	35.692	4.099	2	0.456	
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	30	20	3.472	17.361	0.46	2	0.051	
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	300	20	4.515	22.576	0.257	2	0.029	
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	600	20	4.776	23.879	0.22	2	0.024	
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	3000	20	5.309	26.546	0.073	2	0.008	
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	86400	20	7.215	36.076	4.168	2	0.464	
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	30	25	3.657	14.629	0.618	2	0.069	
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	300	25	4.637	18.548	0.895	2	0.1	
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	600	25	4.959	19.835	0.186	2	0.021	
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	3000	25	5.402	21.608	0.718	2	0.08	
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	86400	25	7.547	30.187	3.914	2	0.436	
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	30	26	3.842	14.778	0.571	2	0.064	
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	300	26	4.901	18.85	0.293	2	0.033	
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	600	26	5.19	19.961	0.225	2	0.025	
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	3000	26	5.537	21.296	0.421	2	0.047	
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	86400	26	7.755	29.827	3.966	2	0.441	
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	30	28	4.234	15.12	0.566	2	0.063	
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	300	28	5.284	18.873	0.917	2	0.102	
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	600	28	5.493	19.619	0.582	2	0.065	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	3000	28	5.993	21.404	0.672	2	0.075	
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	86400	28	8.543	30.512	5.541	2	0.617	
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	30	38	5.854	15.406	0.46	2	0.051	
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	300	38	8.042	21.162	2.009	2	0.224	
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	600	38						
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	3000	38						
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	86400	38	10.83	28.499		1	0	
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	30	17	3.481	20.475	0.423	2	0.047	
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	300	17	4.554	26.789	0.065	2	0.007	
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	600	17	4.846	28.507	0.014	2	0.002	
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	3000	17	5.34	31.41	0.365	2	0.041	
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	86400	17	6.946	40.859	4.455	2	0.496	
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	30	18	3.328	18.489	0.746	2	0.083	
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	300	18	4.371	24.284	0.263	2	0.029	
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	600	18	4.694	26.078	0.478	2	0.053	
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	3000	18	5.164	28.691	0.497	2	0.055	
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	86400	18	6.89	38.277	4.357	2	0.485	
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	30	19	3.576	18.819	0.301	2	0.033	
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	300	19	4.658	24.516	0.607	2	0.068	
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	600	19	4.965	26.132	0.27	2	0.03	
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	3000	19	5.458	28.726	0.146	2	0.016	
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	86400	19	7.339	38.628	4.565	2	0.508	
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	30	27	4.256	15.763	0.484	2	0.054	
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	27	5.343	19.789	1.157	2	0.129	
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	600	27	5.55	20.555	1.032	2	0.115	
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	27	6.022	22.303	0.156	2	0.017	
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	86400	27	8.408	31.141	7.332	2	0.816	
407	420	VRQIAPGQTGKIAD	8.81	30	11	2.751	25.008	0.061	2	0.007	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.814	34.675	0.128	2	0.014	
407	420	VRQIAPGQTGKIAD	8.81	600	11	4.122	37.471	0.964	2	0.107	
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.305	39.139	1.086	2	0.121	
407	420	VRQIAPGQTGKIAD	8.81	86400	11	5.222	47.476	3.709	2	0.413	
407	421	VRQIAPGQTGKIADY	14.63	30	12	2.491	20.76	0.11	2	0.012	
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.504	29.198	0.012	2	0.001	
407	421	VRQIAPGQTGKIADY	14.63	600	12	3.746	31.217	0.097	2	0.011	
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.948	32.897	0.009	2	0.001	
407	421	VRQIAPGQTGKIADY	14.63	86400	12	4.984	41.532	3.274	2	0.364	
407	422	VRQIAPGQTGKIADYN	13.61	30	13	2.671	20.545	0.108	2	0.012	
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.696	28.429	0.462	2	0.051	
407	422	VRQIAPGQTGKIADYN	13.61	600	13	3.978	30.597	0.238	2	0.026	
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	4.195	32.269	0.124	2	0.014	
407	422	VRQIAPGQTGKIADYN	13.61	86400	13	5.337	41.055	3.439	2	0.383	
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	30	21	3.472	16.535	0.406	2	0.045	
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	21	4.558	21.704	0.232	2	0.026	
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	600	21	4.751	22.626	0.547	2	0.061	
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	21	4.946	23.553	0.318	2	0.035	
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	86400	21	6.548	31.182	5.883	2	0.655	
408	421	RQIAPGQTGKIADY	14.08	30	11	2.244	20.401	1.203	2	0.134	
408	421	RQIAPGQTGKIADY	14.08	300	11	3.278	29.799	0.378	2	0.042	
408	421	RQIAPGQTGKIADY	14.08	600	11	3.222	29.294	2.257	2	0.251	
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.608	32.804	0.785	2	0.087	
408	421	RQIAPGQTGKIADY	14.08	86400	11	4.325	39.319	0.067	2	0.007	
408	422	RQIAPGQTGKIADYN	12.97	30	12	2.507	20.896	0.024	2	0.003	
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.663	30.522	0.802	2	0.089	
408	422	RQIAPGQTGKIADYN	12.97	600	12	3.767	31.394	0.197	2	0.022	
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.865	32.207	0.167	2	0.019	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
408	422	RQIAPGQGTGKIADYN	12.97	86400	12	4.586	38.214	2.582	2	0.287	
421	428	YNYKLPDD	15.58	30	5	0.542	10.836	1.145	2	0.127	
421	428	YNYKLPDD	15.58	300	5	0.632	12.634	0.306	2	0.034	
421	428	YNYKLPDD	15.58	600	5	0.643	12.859	0.076	2	0.008	
421	428	YNYKLPDD	15.58	3000	5	0.664	13.274	0.075	2	0.008	
421	428	YNYKLPDD	15.58	86400	5	0.985	19.706	0.924	2	0.103	
421	431	YNYKLPDDFTG	18.73	30	8	1.502	18.774	0.229	2	0.025	
421	431	YNYKLPDDFTG	18.73	300	8	1.584	19.796	0.514	2	0.057	
421	431	YNYKLPDDFTG	18.73	600	8	1.64	20.5	0.129	2	0.014	
421	431	YNYKLPDDFTG	18.73	3000	8	1.661	20.761	0.241	2	0.027	
421	431	YNYKLPDDFTG	18.73	86400	8	2.322	29.026	1.413	2	0.157	
422	428	NYKLPDD	13.14	30	4	0.581	14.517	0.353	2	0.039	
422	428	NYKLPDD	13.14	300	4	0.589	14.719	0.101	2	0.011	
422	428	NYKLPDD	13.14	600	4	0.615	15.363	0.157	2	0.018	
422	428	NYKLPDD	13.14	3000	4	0.574	14.343	0.205	2	0.023	
422	428	NYKLPDD	13.14	86400	4	0.865	21.617	0.817	2	0.091	
422	429	NYKLPDDF	18.76	30	5	1.087	21.745	0.219	2	0.024	
422	429	NYKLPDDF	18.76	300	5	1.205	24.091	0.09	2	0.01	
422	429	NYKLPDDF	18.76	600	5	1.211	24.216	0.064	2	0.007	
422	429	NYKLPDDF	18.76	3000	5	1.203	24.067	0.125	2	0.014	
422	429	NYKLPDDF	18.76	86400	5	1.476	29.515	0.777	2	0.087	
422	431	NYKLPDDFTG	18.08	30	7	1.454	20.767	0.763	2	0.085	
422	431	NYKLPDDFTG	18.08	300	7	1.592	22.739	0.527	2	0.059	
422	431	NYKLPDDFTG	18.08	600	7	1.622	23.168	0.173	2	0.019	
422	431	NYKLPDDFTG	18.08	3000	7	1.628	23.251	0.253	2	0.028	
422	431	NYKLPDDFTG	18.08	86400	7	2.226	31.799	1.673	2	0.186	
423	428	YKLPDD	12.83	30	3	0.539	17.962	0.161	2	0.018	
423	428	YKLPDD	12.83	300	3	0.579	19.291	0.075	2	0.008	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
423	428	YKLPDD	12.83	600	3	0.605	20.174	0.06	2	0.007	
423	428	YKLPDD	12.83	3000	3	0.59	19.66	0.158	2	0.018	
423	428	YKLPDD	12.83	86400	3	0.79	26.328	1.06	2	0.118	
423	429	YKLPDDF	18.7	30	4	1.026	25.653	0.289	2	0.032	
423	429	YKLPDDF	18.7	300	4	1.137	28.426	0.083	2	0.009	
423	429	YKLPDDF	18.7	600	4	1.134	28.352	0.029	2	0.003	
423	429	YKLPDDF	18.7	3000	4	1.116	27.897	0.233	2	0.026	
423	429	YKLPDDF	18.7	86400	4	1.261	31.535	0.89	2	0.099	
423	431	YKLPDDFTG	17.96	30	6	1.409	23.482	0.382	2	0.042	
423	431	YKLPDDFTG	17.96	300	6	1.548	25.804	0.274	2	0.03	
423	431	YKLPDDFTG	17.96	600	6	1.546	25.76	0.034	2	0.004	
423	431	YKLPDDFTG	17.96	3000	6	1.552	25.868	0.215	2	0.024	
423	431	YKLPDDFTG	17.96	86400	6	2.027	33.791	1.307	2	0.145	
423	441	YKLPDDFTGCVIAWNSNNL	21.18	30	16	3.395	21.222	0.734	2	0.082	
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.08	25.498	2.246	2	0.25	
423	441	YKLPDDFTGCVIAWNSNNL	21.18	600	16	4.385	27.405	0.479	2	0.053	
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.287	26.794	0.948	2	0.106	
423	441	YKLPDDFTGCVIAWNSNNL	21.18	86400	16	5.039	31.495	2.628	2	0.292	
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYNYL	21.19	30	27	7.851	29.076	2.104	2	0.234	
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYNYL	21.19	300	27	8.975	33.24	0.921	2	0.103	
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYNYL	21.19	600	27	9.102	33.713	2.104	2	0.234	
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYNYL	21.19	3000	27	9.649	35.736	0.898	2	0.1	
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYNYL	21.19	86400	27	9.946	36.837	5.729	2	0.638	
432	441	CVIAWNSNNL	19.52	30	8	2.073	25.915	0.394	2	0.044	
432	441	CVIAWNSNNL	19.52	300	8	2.931	36.633	0.467	2	0.052	
432	441	CVIAWNSNNL	19.52	600	8	3.041	38.016	0.002	2	0	
432	441	CVIAWNSNNL	19.52	3000	8	3.004	37.55	0.224	2	0.025	
432	441	CVIAWNSNNL	19.52	86400	8	3.166	39.572	2.139	2	0.238	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
434	452	IAWNSNNLDSKVGGNYYL	19.68	30	17	7.225	42.5	0.049	2	0.005	
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.386	49.331	0.806	2	0.09	
434	452	IAWNSNNLDSKVGGNYYL	19.68	600	17	8.679	51.051	0.087	2	0.01	
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.78	51.649	2.002	2	0.223	
434	452	IAWNSNNLDSKVGGNYYL	19.68	86400	17	8.267	48.632	5.682	2	0.632	
441	452	LDSKVGGNYYL	17.71	30	10	4.656	46.561	1.646	2	0.183	
441	452	LDSKVGGNYYL	17.71	300	10	5.001	50.014	0.183	2	0.02	
441	452	LDSKVGGNYYL	17.71	600	10	5.163	51.631	0.156	2	0.017	
441	452	LDSKVGGNYYL	17.71	3000	10	5.326	53.257	0.397	2	0.044	
441	452	LDSKVGGNYYL	17.71	86400	10	4.977	49.768	3.286	2	0.366	
442	451	DSKVGGNYY	11.82	30	8	4.627	57.836	1.764	2	0.196	
442	451	DSKVGGNYY	11.82	300	8	4.678	58.476	0.207	2	0.023	
442	451	DSKVGGNYY	11.82	600	8	4.627	57.839	0.248	2	0.028	
442	451	DSKVGGNYY	11.82	3000	8	4.708	58.853	0.716	2	0.08	
442	451	DSKVGGNYY	11.82	86400	8	4.26	53.256	3.113	2	0.346	
442	452	DSKVGGNYYL	16.87	30	9	4.44	49.328	1.895	2	0.211	
442	452	DSKVGGNYYL	16.87	300	9	4.757	52.853	0.249	2	0.028	
442	452	DSKVGGNYYL	16.87	600	9	4.944	54.93	0.313	2	0.035	
442	452	DSKVGGNYYL	16.87	3000	9	5.166	57.402	0.867	2	0.097	
442	452	DSKVGGNYYL	16.87	86400	9	4.823	53.585	3.322	2	0.37	
442	470	DSKVGGNYYLYRLFRKSNLKPFERDIST	19.86	30	26	6.222	23.933	1.828	2	0.203	
442	470	DSKVGGNYYLYRLFRKSNLKPFERDIST	19.86	300	26	7.853	30.203	1.177	2	0.131	
442	470	DSKVGGNYYLYRLFRKSNLKPFERDIST	19.86	600	26	8.253	31.744	0.659	2	0.073	
442	470	DSKVGGNYYLYRLFRKSNLKPFERDIST	19.86	3000	26	9.087	34.949	0.264	2	0.029	
442	470	DSKVGGNYYLYRLFRKSNLKPFERDIST	19.86	86400	26	11.262	43.316	3.906	2	0.435	
442	471	DSKVGGNYYLYRLFRKSNLKPFERDSTE	19.88	30	27	6.489	24.032	2.985	2	0.332	
442	471	DSKVGGNYYLYRLFRKSNLKPFERDSTE	19.88	300	27	7.981	29.56	1.494	2	0.166	
442	471	DSKVGGNYYLYRLFRKSNLKPFERDSTE	19.88	600	27	8.625	31.943	0.908	2	0.101	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
442	471	DSKVGGNYNLYRFRKSNLKPFDISTE	19.88	3000	27	9.49	35.147	0.159	2	0.018	
442	471	DSKVGGNYNLYRFRKSNLKPFDISTE	19.88	86400	27						
443	452	SKVGGNYNLY	16.65	30	8	4.032	50.396	2.039	2	0.227	
443	452	SKVGGNYNLY	16.65	300	8	4.303	53.787	0.023	2	0.003	
443	452	SKVGGNYNLY	16.65	600	8	4.513	56.412	0.043	2	0.005	
443	452	SKVGGNYNLY	16.65	3000	8	4.699	58.737	0.822	2	0.091	
443	452	SKVGGNYNLY	16.65	86400	8	4.409	55.119	2.992	2	0.333	
444	452	KVGGNYNLY	16.52	30	7	3.209	45.839	1.515	2	0.169	
444	452	KVGGNYNLY	16.52	300	7	3.541	50.587	0.347	2	0.039	
444	452	KVGGNYNLY	16.52	600	7	3.714	53.055	0.388	2	0.043	
444	452	KVGGNYNLY	16.52	3000	7	3.9	55.713	0.362	2	0.04	
444	452	KVGGNYNLY	16.52	86400	7	3.652	52.178	2.526	2	0.281	
449	452	YNLY	15.94	30	2	0.524	26.223	0.125	2	0.014	
449	452	YNLY	15.94	300	2	0.763	38.146	0.145	2	0.016	
449	452	YNLY	15.94	600	2	0.973	48.664	0.222	2	0.025	
449	452	YNLY	15.94	3000	2	1.245	62.255	0.066	2	0.007	
449	452	YNLY	15.94	86400	2	1.175	58.73	0.856	2	0.095	
453	461	YRFRKSNL	15.26	30	7	1.009	14.409	0.265	2	0.03	
453	461	YRFRKSNL	15.26	300	7	1.443	20.617	0.073	2	0.008	
453	461	YRFRKSNL	15.26	600	7	1.465	20.928	0.874	2	0.097	
453	461	YRFRKSNL	15.26	3000	7	1.86	26.578	0.748	2	0.083	
453	461	YRFRKSNL	15.26	86400	7	2.556	36.516	2.322	2	0.258	
453	467	YRFRKSNLKPFD	16.22	30	12	1.045	8.708	0.145	2	0.016	
453	467	YRFRKSNLKPFD	16.22	300	12	1.556	12.97	0.068	2	0.008	
453	467	YRFRKSNLKPFD	16.22	600	12	1.636	13.636	0.341	2	0.038	
453	467	YRFRKSNLKPFD	16.22	3000	12	2.406	20.047	0.422	2	0.047	
453	467	YRFRKSNLKPFD	16.22	86400	12	4.23	35.246	3.033	2	0.338	
453	469	YRFRKSNLKPFDIS	17.31	30	14	2.011	14.364	0.371	2	0.041	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
453	469	YRLFRKSNLKPFERDIS	17.31	300	14	2.853	20.377	0.097	2	0.011	
453	469	YRLFRKSNLKPFERDIS	17.31	600	14	3.001	21.434	0.462	2	0.051	
453	469	YRLFRKSNLKPFERDIS	17.31	3000	14	3.726	26.612	0.508	2	0.057	
453	469	YRLFRKSNLKPFERDIS	17.31	86400	14	5.495	39.249	4.096	2	0.456	
453	470	YRLFRKSNLKPFERDIST	17.26	30	15	2.613	17.418	1.127	2	0.125	
453	470	YRLFRKSNLKPFERDIST	17.26	300	15	3.539	23.594	0.079	2	0.009	
453	470	YRLFRKSNLKPFERDIST	17.26	600	15	3.649	24.326	0.24	2	0.027	
453	470	YRLFRKSNLKPFERDIST	17.26	3000	15	4.388	29.252	0.588	2	0.065	
453	470	YRLFRKSNLKPFERDIST	17.26	86400	15	6.124	40.827	3.867	2	0.43	
453	471	YRLFRKSNLKPFERDISTE	17.4	30	16	3.083	19.269	0.103	2	0.011	
453	471	YRLFRKSNLKPFERDISTE	17.4	300	16	3.993	24.957	0.014	2	0.002	
453	471	YRLFRKSNLKPFERDISTE	17.4	600	16	4.183	26.145	0.854	2	0.095	
453	471	YRLFRKSNLKPFERDISTE	17.4	3000	16	4.881	30.505	0.095	2	0.011	
453	471	YRLFRKSNLKPFERDISTE	17.4	86400	16	6.636	41.475	5.242	2	0.583	
453	472	YRLFRKSNLKPFERDISTEI	18.94	30	17	3.897	22.921	0.218	2	0.024	
453	472	YRLFRKSNLKPFERDISTEI	18.94	300	17	4.903	28.838	0.162	2	0.018	
453	472	YRLFRKSNLKPFERDISTEI	18.94	600	17	5.117	30.099	0.226	2	0.025	
453	472	YRLFRKSNLKPFERDISTEI	18.94	3000	17	5.877	34.57	0.06	2	0.007	
453	472	YRLFRKSNLKPFERDISTEI	18.94	86400	17	7.63	44.884	4.936	2	0.549	
456	462	FRKSNLK	26.97	30	5	0.026	0.512	0.09	2	0.01	
456	462	FRKSNLK	26.97	300	5	0.032	0.648	0.407	2	0.045	
456	462	FRKSNLK	26.97	600	5	0.078	1.566	0.241	2	0.027	
456	462	FRKSNLK	26.97	3000	5	0.052	1.039	0.084	2	0.009	
456	462	FRKSNLK	26.97	86400	5	0.044	0.879	0.013	2	0.001	
456	467	FRKSNLKPFERD	12.09	30	9	1.087	12.082	0.172	2	0.019	
456	467	FRKSNLKPFERD	12.09	300	9	1.283	14.258	0.218	2	0.024	
456	467	FRKSNLKPFERD	12.09	600	9	1.379	15.32	0.507	2	0.056	
456	467	FRKSNLKPFERD	12.09	3000	9	2.094	23.269	0.165	2	0.018	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
456	467	FRKSNLKPFERD	12.09	86400	9	3.265	36.273	2.541	2	0.283	
456	469	FRKSNLKPFERDIS	14.84	30	11	1.915	17.413	0.093	2	0.01	
456	469	FRKSNLKPFERDIS	14.84	300	11	2.499	22.716	0.05	2	0.006	
456	469	FRKSNLKPFERDIS	14.84	600	11	2.656	24.148	0.209	2	0.023	
456	469	FRKSNLKPFERDIS	14.84	3000	11	3.378	30.705	0.123	2	0.014	
456	469	FRKSNLKPFERDIS	14.84	86400	11	4.5	40.91	3.362	2	0.374	
456	470	FRKSNLKPFERDIST	14.92	30	12	2.556	21.299	0.36	2	0.04	
456	470	FRKSNLKPFERDIST	14.92	300	12	3.104	25.863	0.095	2	0.011	
456	470	FRKSNLKPFERDIST	14.92	600	12	3.274	27.284	0.155	2	0.017	
456	470	FRKSNLKPFERDIST	14.92	3000	12	3.998	33.321	0.051	2	0.006	
456	470	FRKSNLKPFERDIST	14.92	86400	12	5.043	42.026	3.484	2	0.388	
456	471	FRKSNLKPFERDISTE	15.11	30	13	2.998	23.059	0.373	2	0.042	
456	471	FRKSNLKPFERDISTE	15.11	300	13	3.619	27.837	0.037	2	0.004	
456	471	FRKSNLKPFERDISTE	15.11	600	13	3.79	29.15	0.267	2	0.03	
456	471	FRKSNLKPFERDISTE	15.11	3000	13	4.49	34.539	0.433	2	0.048	
456	471	FRKSNLKPFERDISTE	15.11	86400	13	5.914	45.49	1.502	2	0.167	
456	472	FRKSNLKPFERDISTEI	17.88	30	14	3.63	25.93	0.218	2	0.024	
456	472	FRKSNLKPFERDISTEI	17.88	300	14	4.335	30.963	0.05	2	0.006	
456	472	FRKSNLKPFERDISTEI	17.88	600	14	4.496	32.116	0.139	2	0.016	
456	472	FRKSNLKPFERDISTEI	17.88	3000	14	5.113	36.519	0.082	2	0.009	
456	472	FRKSNLKPFERDISTEI	17.88	86400	14	6.024	43.027	4.544	2	0.506	
462	470	KPFERDIST	8.06	30	7	2.536	36.232	0.136	2	0.015	
462	470	KPFERDIST	8.06	300	7	2.994	42.772	0.121	2	0.013	
462	470	KPFERDIST	8.06	600	7	3.079	43.985	0.683	2	0.076	
462	470	KPFERDIST	8.06	3000	7	3.129	44.698	0.674	2	0.075	
462	470	KPFERDIST	8.06	86400	7	3.828	54.679	3.046	2	0.339	
462	471	KPFERDISTE	8.65	30	8	2.787	34.843	1.447	2	0.161	
462	471	KPFERDISTE	8.65	300	8	3.424	42.805	0.236	2	0.026	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
462	471	KPFERDISTE	8.65	600	8	3.557	44.467		1	0	
462	471	KPFERDISTE	8.65	3000	8	3.425	42.815	2.792	2	0.311	
462	471	KPFERDISTE	8.65	86400	8	4.187	52.334	3.065	2	0.341	
468	472	ISTEI	11.28	30	3	1.693	56.423	0.245	2	0.027	
468	472	ISTEI	11.28	300	3	1.851	61.7	0.015	2	0.002	
468	472	ISTEI	11.28	600	3	1.86	61.989	0.022	2	0.002	
468	472	ISTEI	11.28	3000	3	1.854	61.784	0.391	2	0.044	
468	472	ISTEI	11.28	86400	3	1.726	57.53	1.301	2	0.145	
471	482	EIQAGSTPCNG	12.21	30	9	4.195	46.612	1.272	2	0.142	
471	482	EIQAGSTPCNG	12.21	300	9	4.671	51.905	0.358	2	0.04	
471	482	EIQAGSTPCNG	12.21	600	9	4.707	52.301	0.289	2	0.032	
471	482	EIQAGSTPCNG	12.21	3000	9	4.669	51.881	0.649	2	0.072	
471	482	EIQAGSTPCNG	12.21	86400	9	4.27	47.439	3.008	2	0.335	
471	486	EIQAGSTPCNGVEGF	18.83	30	13	5.928	45.604	2.412	2	0.268	
471	486	EIQAGSTPCNGVEGF	18.83	300	13	6.363	48.944	0.306	2	0.034	
471	486	EIQAGSTPCNGVEGF	18.83	600	13	6.36	48.921	0.533	2	0.059	
471	486	EIQAGSTPCNGVEGF	18.83	3000	13	6.287	48.364	1.386	2	0.154	
471	486	EIQAGSTPCNGVEGF	18.83	86400	13	5.803	44.636	4.652	2	0.518	
471	487	EIQAGSTPCNGVEGFN	17.94	30	14	6.666	47.617	3.092	2	0.344	
471	487	EIQAGSTPCNGVEGFN	17.94	300	14	7.084	50.601	0.295	2	0.033	
471	487	EIQAGSTPCNGVEGFN	17.94	600	14	7.049	50.348	0.442	2	0.049	
471	487	EIQAGSTPCNGVEGFN	17.94	3000	14	7.033	50.238	0.814	2	0.091	
471	487	EIQAGSTPCNGVEGFN	17.94	86400	14	6.488	46.343	5.47	2	0.609	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL	22	30	37	10.759	29.078	3.852	2	0.429	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL	22	300	37	12.938	34.967	0.175	2	0.02	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL	22	600	37	13.328	36.021	1.007	2	0.112	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL	22	3000	37	13.664	36.931	0.319	2	0.036	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL	22	86400	37	13.378	36.156	10.186	2	1.134	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
471	514	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.75	30	38	12.274	32.299		1	0	
471	514	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.75	300	38	13.699	36.049		1	0	
471	514	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.75	600	38	14.216	37.411		1	0	
471	514	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.75	3000	38	14.501	38.161		1	0	
471	514	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.75	86400	38	13.535	35.619	9.755	2	1.086	
472	486	IYQAGSTPCNGVEGF	18.5	30	12	6.105	50.879	2.747	2	0.306	
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.261	52.179	0.245	2	0.027	
472	486	IYQAGSTPCNGVEGF	18.5	600	12	6.272	52.263	0.418	2	0.046	
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.213	51.778	1.022	2	0.114	
472	486	IYQAGSTPCNGVEGF	18.5	86400	12	5.754	47.953	4.553	2	0.507	
472	487	IYQAGSTPCNGVEGFN	17.44	30	13	6.745	51.885	3.07	2	0.342	
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	6.927	53.283	0.907	2	0.101	
472	487	IYQAGSTPCNGVEGFN	17.44	600	13	6.911	53.162	0.401	2	0.045	
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.861	52.775	1.251	2	0.139	
472	487	IYQAGSTPCNGVEGFN	17.44	86400	13	6.388	49.141	5.643	2	0.628	
472	512	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVV	21.69	30	35	11.487	32.819	0.832	2	0.093	
472	512	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVV	21.69	300	35	13.048	37.281	0.822	2	0.091	
472	512	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVV	21.69	600	35	13.581	38.802	0.213	2	0.024	
472	512	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVV	21.69	3000	35	14.02	40.058	2.547	2	0.283	
472	512	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVV	21.69	86400	35	13.821	39.49	6.805	2	0.757	
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVL	22.1	30	36	11.665	32.404	2.74	2	0.305	
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVL	22.1	300	36	13.253	36.813	2.196	2	0.244	
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVL	22.1	600	36	13.585	37.737	0.831	2	0.093	
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVL	22.1	3000	36	13.06	36.278	0.017	2	0.002	
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVL	22.1	86400	36	13.294	36.929	2.666	2	0.297	
472	514	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.76	30	37	11.116	30.043	3.01	2	0.335	
472	514	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.76	300	37	13.164	35.577	0.591	2	0.066	
472	514	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYRVVVLS	21.76	600	37	13.788	37.266	2.939	2	0.327	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
472	514	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.76	3000	37	13.841	37.409	1.615	2	0.18	
472	514	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.76	86400	37	13.806	37.315	10.439	2	1.162	
483	486	VEGF	10.71	30	2	1.206	60.299	0.944	2	0.105	
483	486	VEGF	10.71	300	2	1.104	55.199	0.077	2	0.009	
483	486	VEGF	10.71	600	2	1.136	56.793	0.047	2	0.005	
483	486	VEGF	10.71	3000	2	1.124	56.205	0.115	2	0.013	
483	486	VEGF	10.71	86400	2	1.02	51.02	1.086	2	0.121	
483	487	VEGFN	5.7	30	3	1.927	64.249		1	0	
483	487	VEGFN	5.7	300	3	2.049	68.31	0.025	2	0.003	
483	487	VEGFN	5.7	600	3	2.02	67.317	0.24	2	0.027	
483	487	VEGFN	5.7	3000	3	2.109	70.315	0.029	2	0.003	
483	487	VEGFN	5.7	86400	3	1.903	63.44	2.131	2	0.237	
487	510	NCYFPLQSYGFQPTNGVGYQPYRV	20.84	30	19	6.792	35.749	3.035	2	0.338	
487	510	NCYFPLQSYGFQPTNGVGYQPYRV	20.84	300	19	8.054	42.389	0.12	2	0.013	
487	510	NCYFPLQSYGFQPTNGVGYQPYRV	20.84	600	19	8.345	43.921	0.324	2	0.036	
487	510	NCYFPLQSYGFQPTNGVGYQPYRV	20.84	3000	19	8.888	46.78	1.037	2	0.115	
487	510	NCYFPLQSYGFQPTNGVGYQPYRV	20.84	86400	19	8.939	47.046	6.19	2	0.689	
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	30	21	6.385	30.403	1.368	2	0.152	
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	300	21	7.664	36.494	0.014	2	0.002	
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	600	21	7.974	37.972	0.149	2	0.017	
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	3000	21	8.414	40.067	0.122	2	0.014	
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	86400	21	8.583	40.872	5.604	2	0.624	
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.27	30	23	6.403	27.841	1.334	2	0.148	
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.27	300	23	7.603	33.056	0.043	2	0.005	
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.27	600	23	7.924	34.451	0.25	2	0.028	
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.27	3000	23	8.389	36.475	0.246	2	0.027	
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVVLS	21.27	86400	23	8.453	36.754	5.902	2	0.657	
487	515	NCYFPLQSYGFQPTNGVGYQPYRVVVLSF	22.15	30	24	5.808	24.199	0.421	2	0.047	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
487	515	NCYFPLQSYGFQPTNGVGYQPYRVVLSF	22.15	300	24	7.108	29.617	0.707	2	0.079	
487	515	NCYFPLQSYGFQPTNGVGYQPYRVVLSF	22.15	600	24	6.389	26.621		1	0	
487	515	NCYFPLQSYGFQPTNGVGYQPYRVVLSF	22.15	3000	24	8.024	33.433	1.103	2	0.123	
487	515	NCYFPLQSYGFQPTNGVGYQPYRVVLSF	22.15	86400	24	8.514	35.476	9.777	2	1.088	
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	30	18	6.116	33.979	1.772	2	0.197	
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	300	18	6.983	38.793	0.295	2	0.033	
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	600	18	7.119	39.552	0.059	2	0.007	
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	3000	18	7.621	42.34		1	0	
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	86400	18	7.791	43.282	5.532	2	0.616	
488	512	CYFPLQSYGFQPTNGVGYQPYRVVV	21.08	30	20	6.22	31.098	1.513	2	0.168	
488	512	CYFPLQSYGFQPTNGVGYQPYRVVV	21.08	300	20	7.108	35.538	0.004	2	0	
488	512	CYFPLQSYGFQPTNGVGYQPYRVVV	21.08	600	20	7.324	36.618	0.467	2	0.052	
488	512	CYFPLQSYGFQPTNGVGYQPYRVVV	21.08	3000	20	7.8	39.002	0.023	2	0.003	
488	512	CYFPLQSYGFQPTNGVGYQPYRVVV	21.08	86400	20	8.03	40.15	6.018	2	0.67	
490	513	FPLQSYGFQPTNGVGYQPYRVVVL	20.96	30	20	5.602	28.009	1.598	2	0.178	
490	513	FPLQSYGFQPTNGVGYQPYRVVVL	20.96	300	20	6.424	32.119	1.387	2	0.154	
490	513	FPLQSYGFQPTNGVGYQPYRVVVL	20.96	600	20	6.751	33.753	1.622	2	0.181	
490	513	FPLQSYGFQPTNGVGYQPYRVVVL	20.96	3000	20	7.229	36.144	0.653	2	0.073	
490	513	FPLQSYGFQPTNGVGYQPYRVVVL	20.96	86400	20	7.296	36.479	6.186	2	0.688	
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	30	19	5.826	30.665	1.702	2	0.189	
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	300	19	6.633	34.909	0.716	2	0.08	
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	600	19	6.758	35.567	0.563	2	0.063	
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	3000	19	7.024	36.967	0.052	2	0.006	
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	86400	19	6.856	36.086	5.347	2	0.595	
495	510	YGFQPTNGVGYQPYRV	18.89	30	12	4.978	41.483	1.87	2	0.208	
495	510	YGFQPTNGVGYQPYRV	18.89	300	12	5.746	47.883	0.408	2	0.045	
495	510	YGFQPTNGVGYQPYRV	18.89	600	12	5.69	47.416	0.284	2	0.032	
495	510	YGFQPTNGVGYQPYRV	18.89	3000	12	5.664	47.203	0.613	2	0.068	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
495	510	YGFQPTNGVGYQPYRV	18.89	86400	12	5.289	44.073	4.36	2	0.485	
495	512	YGFQPTNGVGYQPYRVVV	19.58	30	14	5.004	35.746	2.014	2	0.224	
495	512	YGFQPTNGVGYQPYRVVV	19.58	300	14	5.684	40.603	0.62	2	0.069	
495	512	YGFQPTNGVGYQPYRVVV	19.58	600	14	5.631	40.219	0.859	2	0.096	
495	512	YGFQPTNGVGYQPYRVVV	19.58	3000	14	5.634	40.242	0.122	2	0.014	
495	512	YGFQPTNGVGYQPYRVVV	19.58	86400	14	5.211	37.223	4.173	2	0.464	
495	513	YGFQPTNGVGYQPYRVVVL	20.34	30	15	4.771	31.804	1.001	2	0.111	
495	513	YGFQPTNGVGYQPYRVVVL	20.34	300	15	5.471	36.473	0.111	2	0.012	
495	513	YGFQPTNGVGYQPYRVVVL	20.34	600	15	5.435	36.233	1.02	2	0.114	
495	513	YGFQPTNGVGYQPYRVVVL	20.34	3000	15	5.394	35.959	0.029	2	0.003	
495	513	YGFQPTNGVGYQPYRVVVL	20.34	86400	15	5.052	33.679	4.243	2	0.472	
495	514	YGFQPTNGVGYQPYRVVVLS	19.78	30	16	4.324	27.027	0.64	2	0.071	
495	514	YGFQPTNGVGYQPYRVVVLS	19.78	300	16	4.98	31.128	0.099	2	0.011	
495	514	YGFQPTNGVGYQPYRVVVLS	19.78	600	16	4.966	31.035	1.17	2	0.13	
495	514	YGFQPTNGVGYQPYRVVVLS	19.78	3000	16	4.928	30.798	0.676	2	0.075	
495	514	YGFQPTNGVGYQPYRVVVLS	19.78	86400	16	4.602	28.765	3.779	2	0.421	
496	510	GFQPTNGVGYQPYRV	17.98	30	11	4.49	40.815	1.135	2	0.126	
496	510	GFQPTNGVGYQPYRV	17.98	300	11	5.243	47.662	0.088	2	0.01	
496	510	GFQPTNGVGYQPYRV	17.98	600	11	5.219	47.445	0.327	2	0.036	
496	510	GFQPTNGVGYQPYRV	17.98	3000	11	5.213	47.391	0.669	2	0.074	
496	510	GFQPTNGVGYQPYRV	17.98	86400	11	4.834	43.943	3.726	2	0.415	
496	512	GFQPTNGVGYQPYRVVV	19.02	30	13	4.474	34.418	1.163	2	0.129	
496	512	GFQPTNGVGYQPYRVVV	19.02	300	13	5.191	39.934	0.078	2	0.009	
496	512	GFQPTNGVGYQPYRVVV	19.02	600	13	5.218	40.139	0.107	2	0.012	
496	512	GFQPTNGVGYQPYRVVV	19.02	3000	13	5.175	39.81	0.188	2	0.021	
496	512	GFQPTNGVGYQPYRVVV	19.02	86400	13	4.815	37.035	3.343	2	0.372	
496	513	GFQPTNGVGYQPYRVVVL	19.86	30	14	4.445	31.75	0.707	2	0.079	
496	513	GFQPTNGVGYQPYRVVVL	19.86	300	14	5.157	36.834	0.128	2	0.014	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
496	513	GFQPTNGVGYQPVRVVVL	19.86	600	14	5.084	36.311	0.892	2	0.099	
496	513	GFQPTNGVGYQPVRVVVL	19.86	3000	14	5.065	36.177	0.384	2	0.043	
496	513	GFQPTNGVGYQPVRVVVL	19.86	86400	14	4.733	33.805	4.059	2	0.452	
497	510	FQPTNGVGYQPVRV	17.43	30	10	3.926	39.262	0.914	2	0.102	
497	510	FQPTNGVGYQPVRV	17.43	300	10	4.71	47.103		1	0	
497	510	FQPTNGVGYQPVRV	17.43	600	10	4.688	46.879	0.345	2	0.038	
497	510	FQPTNGVGYQPVRV	17.43	3000	10	4.694	46.942	0.374	2	0.042	
497	510	FQPTNGVGYQPVRV	17.43	86400	10	4.385	43.846	3.109	2	0.346	
497	512	FQPTNGVGYQPVRVVV	18.8	30	12	3.946	32.886	1.155	2	0.129	
497	512	FQPTNGVGYQPVRVVV	18.8	300	12	4.645	38.709	0.04	2	0.004	
497	512	FQPTNGVGYQPVRVVV	18.8	600	12	4.598	38.321	0.704	2	0.078	
497	512	FQPTNGVGYQPVRVVV	18.8	3000	12	4.654	38.786	0.3	2	0.033	
497	512	FQPTNGVGYQPVRVVV	18.8	86400	12	4.34	36.163	2.805	2	0.312	
497	513	FQPTNGVGYQPVRVVVL	19.75	30	13	3.868	29.751	0.057	2	0.006	
497	513	FQPTNGVGYQPVRVVVL	19.75	300	13	4.638	35.676	0.948	2	0.105	
497	513	FQPTNGVGYQPVRVVVL	19.75	600	13	4.546	34.969	0.806	2	0.09	
497	513	FQPTNGVGYQPVRVVVL	19.75	3000	13	4.517	34.744	0.85	2	0.095	
497	513	FQPTNGVGYQPVRVVVL	19.75	86400	13	4.258	32.752	3.36	2	0.374	
503	512	VGYPYRVVV	17.89	30	7	0.752	10.749		1	0	
503	512	VGYPYRVVV	17.89	300	7	1.449	20.699	0.157	2	0.018	
503	512	VGYPYRVVV	17.89	600	7	1.455	20.78	0.085	2	0.009	
503	512	VGYPYRVVV	17.89	3000	7	1.441	20.586	0.009	2	0.001	
503	512	VGYPYRVVV	17.89	86400	7	1.2	17.147	2.093	2	0.233	
503	513	VGYPYRVVVL	19.35	30	8	0.767	9.585	0.172	2	0.019	
503	513	VGYPYRVVVL	19.35	300	8	1.42	17.745	0.141	2	0.016	
503	513	VGYPYRVVVL	19.35	600	8	1.422	17.78	0.102	2	0.011	
503	513	VGYPYRVVVL	19.35	3000	8	1.415	17.689	0.3	2	0.033	
503	513	VGYPYRVVVL	19.35	86400	8	1.295	16.184	1.095	2	0.122	

Appendix Table A3 - Intrinsic Deuteration RBD

Butterfly_Survey											
Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
503	514	VGYPYRVVVLS	18.48	30	9	0.812	9.017	0.638	2	0.071	
503	514	VGYPYRVVVLS	18.48	300	9	1.475	16.391	0.009	2	0.001	
503	514	VGYPYRVVVLS	18.48	600	9	1.471	16.345	0.022	2	0.002	
503	514	VGYPYRVVVLS	18.48	3000	9	1.453	16.145	0.333	2	0.037	
503	514	VGYPYRVVVLS	18.48	86400	9	1.337	14.856	0.986	2	0.11	
511	515	VVLSF	19	30	3	0.109	3.64	0.104	2	0.012	
511	515	VVLSF	19	300	3	0.079	2.636	0.035	2	0.004	
511	515	VVLSF	19	600	3	0.08	2.663	0.342	2	0.038	
511	515	VVLSF	19	3000	3	0.418	13.918	0.132	2	0.015	
511	515	VVLSF	19	86400	3	0.768	25.586	0.425	2	0.047	
514	533	SFELLHAPATVCGPKKSTNL	18.39	30	16	7.201	45.007	3.142	2	0.35	
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.48	46.747	1.342	2	0.149	
514	533	SFELLHAPATVCGPKKSTNL	18.39	600	16	7.39	46.189	0.391	2	0.044	
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.384	46.148	0.905	2	0.101	
514	533	SFELLHAPATVCGPKKSTNL	18.39	86400	16	6.764	42.274	4.692	2	0.522	
515	533	FELLHAPATVCGPKKSTNL	18.07	30	15	6.902	46.014	3.734	2	0.416	
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	7.007	46.716	0.106	2	0.012	
515	533	FELLHAPATVCGPKKSTNL	18.07	600	15	6.962	46.412	0.24	2	0.027	
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.97	46.469	0.807	2	0.09	
515	533	FELLHAPATVCGPKKSTNL	18.07	86400	15	6.346	42.308	5.028	2	0.56	
516	533	ELLHAPATVCGPKKSTNL	15.5	30	14	6.441	46.004	3.055	2	0.34	
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.613	47.238	0.89	2	0.099	
516	533	ELLHAPATVCGPKKSTNL	15.5	600	14	6.469	46.205	0.555	2	0.062	
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.532	46.655	0.262	2	0.029	
516	533	ELLHAPATVCGPKKSTNL	15.5	86400	14	5.942	42.443	5.26	2	0.585	
517	533	LLHAPATVCGPKKSTNL	14.44	30	13	6.108	46.988	3.314	2	0.369	
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.154	47.34	1.006	2	0.112	
517	533	LLHAPATVCGPKKSTNL	14.44	600	13	6.173	47.483	1.107	2	0.123	

Appendix Table A3 - Intrinsic Deuteration RBD

Start	End	Sequence	Butterfly_Survey						Conf Interval (#D)	#Pts	Stddev
			RT [min]	Deut Time (sec)	maxD	#D	%D				
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	6.179	47.533	1.905	2	0.212	
517	533	LLHAPATVCGPKKSTNL	14.44	86400	13	5.617	43.211	6.281	2	0.699	

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD Conf					RBD + Nb NM1221 Conf					
						#D	%D	Interval (#D)	#Pts	Stddev	#D	%D	Interval (#D)	#Pts	Stddev	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	2.944	24.536	0.103	3	0.041	0.85252
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	3.256	27.134	0.116	4	0.073	0.484522
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	2.715	30.168	0.103	3	0.041	0.658976
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	2.977	33.074	0.075	4	0.047	0.956122
351	364	YAWNRKRISNCVAD	15.47	300	12	4.352	36.27	0.25	3	0.101	4.365	36.375	0.237	3	0.095	0.883341
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.622	38.513	0.105	3	0.042	4.651	38.755	0.141	4	0.089	0.594048
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.718	48.237	0.286	3	0.115	7.533	47.083	0.207	3	0.083	0.0940079
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.866	49.165	0.037	3	0.015	7.737	48.358	0.154	4	0.097	0.0737856
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.601	65.021	0.022	3	0.009	0.426681
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.594	64.845	0.071	4	0.045	0.512512
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	4.061	67.679	0.072	3	0.029	0.889727
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	4.058	67.633	0.12	4	0.075	0.256749
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.088	18.126	0.017	3	0.007	0.439819
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.347	22.449	0.046	4	0.029	0.633658
392	400	FTNVYADSF	19.28	300	7	0.92	13.139	0.054	3	0.022	0.829	11.848	0.099	3	0.04	0.0392447
392	400	FTNVYADSF	19.28	3000	7	1.217	17.381	0.1	3	0.04	1.146	16.365	0.062	4	0.039	0.07283
396	400	YADSF	14.13	300	3	0.139	4.644	0.031	3	0.012	0.135	4.499	0.038	3	0.015	0.724282
396	400	YADSF	14.13	3000	3	0.236	7.868	0.038	3	0.015	0.239	7.973	0.016	4	0.01	0.77602
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.183	3.666	0.104	3	0.042	0.254872
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.2	4.003	0.059	4	0.037	0.132755
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.328	5.469	0.025	3	0.01	0.309372
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.526	8.769	0.054	4	0.034	0.0026190
400	409	FVIRGDEV RQ	14.37	300	8	1.031	12.887	0.156	3	0.063	0.97	12.123	0.124	3	0.05	0.261745
400	409	FVIRGDEV RQ	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.206	15.073	0.03	4	0.019	5.24E-05
400	420	FVIRGDEV RQIAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	3.918	21.768	0.048	3	0.019	0.0407845

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
400	420	FVIRGDEVQRQIAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.744	26.358	0.088	4	0.055	0.0079572
400	421	FVIRGDEVQRQIAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	3.738	19.672	0.077	3	0.031	0.0394102
400	421	FVIRGDEVQRQIAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.538	23.884	0.066	4	0.041	0.0009102
400	422	FVIRGDEVQRQIAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	3.892	19.46	0.03	3	0.012	0.0523109
400	422	FVIRGDEVQRQIAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.72	23.602	0.055	4	0.035	0.0024476
400	428	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	3.953	15.813	0.165	3	0.066	0.0082581
400	428	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	4.756	19.022	0.155	4	0.097	0.0131224
400	429	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	19.45	300	26	4.415	16.979	0.187	3	0.075	4.216	16.214	0.093	3	0.037	0.0274344
400	429	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	19.45	3000	26	5.14	19.768	0.148	3	0.059	4.999	19.228	0.15	4	0.094	0.0617828
400	431	FTG	19.14	300	28	4.895	17.48	0.135	3	0.054	4.891	17.469	0.233	3	0.094	0.961389
400	431	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.896	21.057	0.586	4	0.368	0.245376
401	420	VIRGDEVQRQIAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	4.16	24.471	0.008	3	0.003	0.035718
401	420	VIRGDEVQRQIAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	5.015	29.5	0.123	4	0.078	0.093271
401	421	VIRGDEVQRQIAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	3.905	21.692	0.076	3	0.031	0.0097541
401	421	VIRGDEVQRQIAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.761	26.449	0.098	4	0.062	0.014942
401	422	VIRGDEVQRQIAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.107	21.616	0.074	3	0.03	0.0164832
401	422	VIRGDEVQRQIAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	4.975	26.184	0.093	4	0.059	0.0244201
401	431	TG	18.72	300	27	4.893	18.122	0.236	3	0.095	4.629	17.145	0.186	3	0.075	0.0215095
401	431	VIRGDEVQRQIAPGQTGKIADYNYKLPDDF	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.511	20.411	0.16	4	0.101	0.224599
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.524	32.038	0.044	3	0.018	0.0287225
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.215	38.322	0.093	4	0.059	0.525023
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.146	26.215	0.067	3	0.027	0.0432375
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.776	31.47	0.082	4	0.052	0.778963

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.306	25.432	0.081	3	0.032	0.0072453
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	3.961	30.466	0.078	4	0.049	0.48129
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.045	25.376	0.11	3	0.044	0.0173293
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.626	30.219	0.124	4	0.078	0.0499261
421	428	YNYKLPDD	15.58	300	5	0.564	11.279	0.076	3	0.031	0.558	11.166	0.025	3	0.01	0.785763
421	428	YNYKLPDD	15.58	3000	5	0.566	11.316	0.012	3	0.005	0.572	11.439	0.019	4	0.012	0.392682
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.499	18.738	0.015	3	0.006	0.350817
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.521	19.016	0.049	4	0.031	0.439868
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.593	14.82	0.036	3	0.014	0.545353
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.614	15.356	0.046	4	0.029	0.0345998
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.135	22.71	0.1	3	0.04	0.728091
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.135	22.692	0.03	4	0.019	0.672887
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.526	21.793	0.054	3	0.022	0.862471
422	431	NYKLPDDFTG	18.08	3000	7	1.551	22.155	0.068	3	0.027	1.569	22.41	0.051	4	0.032	0.462028
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.572	19.059	0.05	3	0.02	0.709859
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.588	19.591	0.04	4	0.025	0.27369
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.087	27.166	0.006	3	0.003	0.565319
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.099	27.475	0.057	4	0.036	0.452153
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.49	24.838	0.046	3	0.019	0.986845
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.529	25.479	0.046	4	0.029	0.138394
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	3.597	22.479	0.061	3	0.025	0.0036522
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	3.811	23.82	0.095	4	0.059	0.0001772
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.327	29.088	0.149	3	0.06	0.0003444
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	2.427	30.337	0.047	4	0.029	9.73E-06
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.378	49.281	0.441	3	0.177	6.548	38.515	0.27	3	0.109	0.0003485
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.66	50.94	0.302	3	0.122	8.191	48.184	0.303	4	0.19	0.0109165

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	4.439	44.391	0.09	3	0.036	0.00358487
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	5.399	53.988	0.152	4	0.095	0.1776600042169
442	451	DSKVGGNYYN	11.82	300	8	4.696	58.703	0.259	3	0.104	3.871	48.383	0.047	3	0.019	0.00421699
442	451	DSKVGGNYYN	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.657	58.211	0.134	4	0.084	0.348471
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.332	48.135	0.014	3	0.006	0.0100595
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.167	57.416	0.115	4	0.072	0.26882100097986
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.067	50.84	0.069	3	0.028	0.00979867
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.791	59.884	0.114	4	0.071	0.153427
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.217	45.964	0.018	3	0.007	0.0248499
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	3.925	56.068	0.089	4	0.056	0.250867
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.231	17.579	0.066	3	0.027	0.0834757
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.718	24.542	0.079	4	0.05	0.225368
453	467	YRLFRKSNLKPFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.179	9.828	0.112	3	0.045	0.0376592
453	467	YRLFRKSNLKPFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	2.003	16.693	0.084	4	0.053	0.017813400055893
453	469	YRLFRKSNLKPFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.473	17.667	0.041	3	0.016	0.00209113
453	469	YRLFRKSNLKPFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.354	23.955	0.025	4	0.016	0.00209114
453	470	YRLFRKSNLKPFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	3.075	20.5	0.027	3	0.011	0.0049893
453	470	YRLFRKSNLKPFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.709	31.391	0.107	4	0.067	0.0100724
453	471	YRLFRKSNLKPFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.522	22.014	0.14	3	0.056	0.037914300058887
453	471	YRLFRKSNLKPFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.397	27.482	0.1	4	0.063	0.00980147
453	472	YRLFRKSNLKPFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.54	26.705	0.1	3	0.04	0.00799258
453	472	YRLFRKSNLKPFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	5.471	32.183	0.047	4	0.03	0.00799253
456	467	FRKSNLKPFERD	12.09	300	9	1.105	12.276	0.145	3	0.058	1.082	12.02	0.187	3	0.075	0.69823400002490
456	467	FRKSNLKPFERD	12.09	3000	9	1.961	21.787	0.035	3	0.014	1.837	20.412	0.034	4	0.021	0.000249089

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
456	469	FRKSNLKPFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.237	20.336	0.033	3	0.013	0.0700071
456	469	FRKSNLKPFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.097	28.157	0.035	4	0.022	0.0113015
456	470	FRKSNLKPFERDIST	14.92	300	12	2.994	24.951	0.195	3	0.079	2.862	23.846	0.064	3	0.026	0.0878964
456	470	FRKSNLKPFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.681	30.673	0.098	4	0.061	0.0213912
456	471	FRKSNLKPFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.356	25.815	0.079	3	0.032	0.0853874
456	471	FRKSNLKPFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.164	32.031	0.067	4	0.042	0.0403334
456	472	FRKSNLKPFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	4.084	29.175	0.075	3	0.03	0.070711
456	472	FRKSNLKPFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	4.832	34.512	0.19	4	0.12	0.26697
462	470	KPFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	2.849	40.707	0.025	3	0.01	0.0211562
462	470	KPFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	3.034	43.35	0.074	4	0.047	0.979246
462	471	KPFERDISTE	8.65	300	8	3.347	41.838	0.093	3	0.037	3.266	40.822	0.114	3	0.046	0.0789113
462	471	KPFERDISTE	8.65	3000	8	3.481	43.51	0.15	3	0.06	3.401	42.514	0.196	4	0.123	0.316706
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.662	51.799	0.097	3	0.039	0.369805
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.751	52.784	0.096	4	0.06	0.0311934
471	486	EIQAGSTPCNGVEGF	18.83	300	13	6.437	49.512	0.37	3	0.149	6.375	49.039	0.135	3	0.054	0.557229
471	486	EIQAGSTPCNGVEGF	18.83	3000	13	6.312	48.558	0.1	3	0.04	6.429	49.455	0.169	4	0.106	0.113695
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQP				13.54					12.52					0.0010072
471	513	TNGVGYQPYRVVVL	22	300	37	8	36.616	0.293	3	0.118	5	33.851	0.376	3	0.152	8
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQP				14.36					13.52					
471	513	TNGVGYQPYRVVVL	22	3000	37	5	38.826	0.672	3	0.271	7	36.56	0.412	4	0.259	0.0122909
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.391	53.261	0.269	3	0.108	0.96868
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.399	53.327	0.202	4	0.127	0.109714
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	6.788	32.324	0.146	3	0.059	88
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	7.405	35.262	0.16	4	0.1	9.69E-05
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	6.656	28.94	0.129	3	0.052	89
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	7.266	31.593	0.27	4	0.17	0.0002596
488	510	CYFPLQSYGFQPTNGVGYQPYRV	20.8	300	18	6.863	38.127	0.464	3	0.187	6.327	35.149	0.418	3	0.168	0.0213586

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	6.609	36.718	0.155	4	0.098	0.0002819
488	512	CYFPLQSYGFQPTNGVGYQPVRVV	21.08	300	20	7.008	35.04	0.302	3	0.122	6.32	31.602	0.183	3	0.074	0.0024710
488	512	CYFPLQSYGFQPTNGVGYQPVRVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	6.697	33.487	1.106	2	0.123	0.0452337
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	5.878	29.389	0.216	3	0.087	0.0010162
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	3000	20	7.259	36.297	0.189	3	0.076	6.141	30.707	0.151	4	0.095	1.35E-05
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	300	19	6.608	34.78	0.199	3	0.08	6.152	32.381	0.516	3	0.208	0.0482917
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	3000	19	6.99	36.789	0.002	3	0.001	6.495	34.185	0.617	2	0.069	0.0620471
495	510	YGFQPTNGVGYQPVRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.617	46.805	0.075	3	0.03	0.352358
495	510	YGFQPTNGVGYQPVRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.612	46.768	0.102	4	0.064	0.785945
495	512	YGFQPTNGVGYQPVRVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.338	38.132	0.015	3	0.006	0.0356011
495	512	YGFQPTNGVGYQPVRVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.523	39.452	0.136	4	0.086	0.342391
495	513	YGFQPTNGVGYQPVRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.432	36.216	0.106	3	0.043	0.660247
495	513	YGFQPTNGVGYQPVRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.454	36.358	0.107	4	0.067	0.148943
495	514	YGFQPTNGVGYQPVRVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	5.463	34.143	0.152	3	0.061	0.378799
495	514	YGFQPTNGVGYQPVRVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	5.434	33.963	0.166	4	0.104	0.482663
496	510	GFQPTNGVGYQPVRV	17.98	300	11	5.269	47.896	0.227	3	0.092	5.24	47.633	0.132	3	0.053	0.665947
496	510	GFQPTNGVGYQPVRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	5.265	47.867	0.119	4	0.075	0.185013
496	512	GFQPTNGVGYQPVRVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.139	39.531	0.102	3	0.041	0.295189
496	512	GFQPTNGVGYQPVRVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.192	39.942	0.129	4	0.081	0.372162
496	513	GFQPTNGVGYQPVRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	5.035	35.964	0.18	3	0.072	0.378369
496	513	GFQPTNGVGYQPVRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	5.035	35.967	0.058	4	0.036	0.973491
497	510	FQPTNGVGYQPVRV	17.43	300	10	4.742	47.422	0.506	2	0.056	4.496	44.958	0.179	3	0.072	0.0279886
497	510	FQPTNGVGYQPVRV	17.43	3000	10	4.585	45.846	0.028	3	0.011	4.448	44.484	0.228	4	0.143	0.152899
497	512	FQPTNGVGYQPVRVV	18.8	300	12	4.681	39.012	0.2	3	0.081	4.782	39.853	0.092	3	0.037	0.149168
497	512	FQPTNGVGYQPVRVV	18.8	3000	12	4.633	38.607	0.053	3	0.021	4.782	39.85	0.193	4	0.121	0.0886837
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.392	19.888	0.025	3	0.01	0.0233495

Appendix Table A3 - Nb NM1221

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1221					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.442	20.595	0.045	4	0.028	0.0948877
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.344	16.797	0.015	3	0.006	0.365237
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.379	17.24	0.033	4	0.021	0.22758
503	514	VGYPYRVVLS	18.48	300	9	1.416	15.733	0.086	3	0.035	1.376	15.289	0.12	3	0.048	0.314877
503	514	VGYPYRVVLS	18.48	3000	9	1.418	15.759	0.088	3	0.036	1.417	15.741	0.036	4	0.023	0.949154
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.125	4.153	0.013	3	0.005	4.76E-05
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.432	14.412	0.01	4	0.006	0.0861543
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.246	45.285	0.348	3	0.14	7.117	44.478	0.235	3	0.094	0.26542
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	7.09	44.31	0.125	4	0.078	0.845794
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.736	44.905	0.611	3	0.246	6.806	45.372	0.344	3	0.138	0.694977
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.66	44.397	0.184	3	0.074	6.677	44.511	0.181	4	0.114	0.820476
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.492	46.368	0.201	3	0.081	0.983706
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.519	46.566	0.213	4	0.134	0.0547405
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.215	47.809	0.11	3	0.044	0.669509
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.234	47.956	0.205	4	0.129	0.0221442

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	2.97	24.753	0.066	3	0.027	0.750837
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	3.212	26.769	0.199	3	0.08	0.900174
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	2.553	28.361	0.467	3	0.188	0.220909
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	2.972	33.019	0.083	3	0.033	0.810396
351	364	YAWNRKRISNCVAD	15.47	300	12	4.352	36.27	0.25	3	0.101	4.346	36.218	0.212	3	0.085	0.938266
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.622	38.513	0.105	3	0.042	4.578	38.153	0.336	3	0.135	0.642642
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.718	48.237	0.286	3	0.115	7.544	47.149	0.342	3	0.138	0.170493
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.866	49.165	0.037	3	0.015	7.775	48.591	0.133	3	0.054	0.0880457
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.634	65.842	0.037	3	0.015	0.74547
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.595	64.872	0.044	3	0.018	0.367626
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	4.12	68.67	0.064	3	0.026	0.329043
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	4.07	67.829	0.073	3	0.03	0.0603877
378	387	KCYGVSPTKL	13.89	300	7	4.13	59.001	0.194	3	0.078	4.224	60.347	0.064	3	0.026	0.162686
378	387	KCYGVSPTKL	13.89	3000	7	4.071	58.161	0.018	3	0.007	4.182	59.75	0.117	3	0.047	0.051827
388	392	NDLCF	18.53	300	3	1.702	56.74	0.122	3	0.049	1.72	57.332	0.053	3	0.021	0.609483
388	392	NDLCF	18.53	3000	3	1.772	59.065	0.044	3	0.018	1.792	59.719	0.071	3	0.029	0.381595 0.0043258
388	399	NDLCFTNVYADS	19.38	300	10	3.397	33.975	0.095	3	0.038	3.219	32.189	0.059	3	0.024	1
388	399	NDLCFTNVYADS	19.38	3000	10	3.802	38.018	0.049	3	0.02	3.665	36.646	0.124	3	0.05	0.0285861
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.091	18.188	0.05	3	0.02	0.479094
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.353	22.547	0.015	3	0.006	0.793586
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.141	4.714	0.011	3	0.004	0.611994
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.238	7.935	0.004	3	0.002	0.987152
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.193	3.863	0.039	3	0.016	0.0739206
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.241	4.815	0.057	3	0.023	0.424832
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.323	5.375	0.037	3	0.015	0.773242

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.553	9.223	0.029	3	0.012	0.00188548
400	409	FVIRGDEVRRQ	14.37	300	8	1.031	12.887	0.156	3	0.063	0.979	12.241	0.051	3	0.02	0.288144
400	409	FVIRGDEVRRQ	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.163	14.534	0.058	3	0.023	0.00018781
400	420	FVIRGDEVRRQIAPGQTGKIAD	16.92	300	18	4.134	22.967	0.168	3	0.068	4.003	22.24	0.034	3	0.014	0.0733275
400	420	FVIRGDEVRRQIAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.764	26.466	0.172	3	0.069	0.0424293
400	421	FVIRGDEVRRQIAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	3.873	20.384	0.273	3	0.11	0.275969
400	421	FVIRGDEVRRQIAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.565	24.026	0.213	3	0.086	0.0673946
400	422	FVIRGDEVRRQIAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	3.989	19.946	0.029	3	0.012	0.124914
400	422	FVIRGDEVRRQIAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.765	23.826	0.201	3	0.081	0.0474804
400	428	KLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	4.144	16.576	0.352	3	0.142	0.334632
400	428	FVIRGDEVRRQIAPGQTGKIADYNY	18.54	3000	25	4.978	19.91	0.131	3	0.053	4.878	19.51	0.296	3	0.119	0.283585
400	429	KLPDDF	19.45	300	26	4.415	16.979	0.187	3	0.075	4.31	16.577	0.113	3	0.046	0.123578
400	429	FVIRGDEVRRQIAPGQTGKIADYNY	19.45	3000	26	5.14	19.768	0.148	3	0.059	5.103	19.626	0.467	3	0.188	0.771025
400	431	KLPDDFTG	19.14	300	28	4.895	17.48	0.135	3	0.054	4.783	17.081	0.062	3	0.025	0.0528706
400	431	FVIRGDEVRRQIAPGQTGKIADYNY	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.594	19.979	0.309	3	0.124	0.689099
401	420	VIRGDEVRRQIAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	4.266	25.096	0.071	3	0.029	0.118633
401	420	VIRGDEVRRQIAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	5.045	29.679	0.064	3	0.026	0.0934497
401	421	VIRGDEVRRQIAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	4.013	22.292	0.049	3	0.02	0.0469472
401	421	VIRGDEVRRQIAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.872	27.067	0.594	3	0.239	0.876563
401	422	VIRGDEVRRQIAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.218	22.201	0.054	3	0.022	0.0854351
401	422	VIRGDEVRRQIAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	5.022	26.431	0.146	3	0.059	0.160823
401	431	VIRGDEVRRQIAPGQTGKIADYNYK	18.72	300	27	4.893	18.122	0.236	3	0.095	4.818	17.845	0.122	3	0.049	0.313263
401	431	LPDDFTG	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.526	20.465	0.447	3	0.18	0.590276

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.629	32.987	0.07	3	0.028	0.0899685
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.165	37.862	0.218	3	0.088	0.666751
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.261	27.178	0.063	3	0.025	0.296307
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.785	31.544	0.082	3	0.033	0.97427
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.407	26.205	0.083	3	0.033	0.0866444
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	3.958	30.442	0.105	3	0.042	0.440961
407	431	G VRQIAPGQTGKIADYNYKLPDDFT	18.72	300	21	4.106	19.552	0.292	3	0.118	3.914	18.638	0.3	3	0.121	0.119683
407	431	G	18.72	3000	21	4.543	21.633	0.116	3	0.047	4.286	20.411	0.599	3	0.241	0.203158
408	421	RQIAPGQTGKIADY	14.08	300	11	3.021	27.463	0.119	3	0.048	2.877	26.156	0.243	3	0.098	0.109489
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.359	30.535	0.163	3	0.066	3.337	30.334	0.148	3	0.059	0.687891
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.175	26.456	0.136	3	0.055	0.071469
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.724	31.037	0.071	3	0.028	0.399993
421	428	YNYKLPDD	15.58	300	5	0.564	11.279	0.076	3	0.031	0.568	11.369	0.018	3	0.007	0.826719
421	428	YNYKLPDD	15.58	3000	5	0.566	11.316	0.012	3	0.005	0.553	11.055	0.019	3	0.008	0.0806242
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.512	18.906	0.047	3	0.019	0.571765
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.498	18.728	0.067	3	0.027	0.128916
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.597	14.915	0.013	3	0.005	0.607683
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.59	14.76	0.006	3	0.003	0.124333
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.134	22.682	0.058	3	0.023	0.616348
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.122	22.444	0.033	3	0.013	0.200378
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.556	22.235	0.011	3	0.004	0.372072
422	431	NYKLPDDFTG	18.08	3000	7	1.551	22.155	0.068	3	0.027	1.568	22.401	0.055	3	0.022	0.444201
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.596	19.871	0.038	3	0.015	0.0612053
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.554	18.473	0.063	3	0.025	0.696691
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.48	24.675	0.108	3	0.044	0.81248
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.515	25.256	0.087	3	0.035	0.485988

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	3.696	23.099	0.068	3	0.027	0.00493061
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	3.823	23.891	0.267	3	0.108	0.0183729000284946
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.328	29.106	0.021	3	0.008	0.00111161000152126
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	2.446	30.581	0.142	3	0.057	0.00152126
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.378	49.281	0.441	3	0.177	6.726	39.564	0.161	3	0.065	0.0116077000254977
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.66	50.94	0.302	3	0.122	8.021	47.183	0.468	3	0.188	0.0116077000254977
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	4.52	45.204	0.152	3	0.061	0.311166000437156
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	5.27	52.697	0.145	3	0.058	0.311166000437156
442	451	DSKVGGNYYN	11.82	300	8	4.692	58.644	0.267	3	0.108	3.937	49.207	0.071	3	0.028	0.886288000752105
442	451	DSKVGGNYYN	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.598	57.48	0.176	3	0.071	0.886288000752105
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.405	48.945	0.079	3	0.032	0.856716002734855
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.123	56.922	0.153	3	0.062	0.856716002734855
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.133	51.663	0.013	3	0.005	0.02734850913369
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.724	59.056	0.04	3	0.016	0.913369002861985
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.263	46.613	0.052	3	0.021	0.941563028076319
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	3.881	55.443	0.13	3	0.052	0.941563028076319
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.272	18.166	0.023	3	0.009	0.280763075881913
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.743	24.899	0.167	3	0.067	0.280763075881913
453	467	YRLFRKSNLKPFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.181	9.84	0.014	3	0.006	0.047913601672789
453	467	YRLFRKSNLKPFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	2.027	16.891	0.199	3	0.08	0.047913601672789
453	469	YRLFRKSNLKPFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.516	17.971	0.054	3	0.022	0.011299901940852
453	469	YRLFRKSNLKPFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.438	24.559	0.245	3	0.099	0.011299901940852
453	470	YRLFRKSNLKPFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	3.976	26.505	0.027	3	0.011	0.231711044955239
453	470	YRLFRKSNLKPFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.735	31.564	0.158	3	0.063	0.231711044955239
453	471	YRLFRKSNLKPFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.631	22.693	0.111	3	0.045	0.227396

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
453	471	YRLFRKSNLKPFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.486	28.04	0.201	3	0.081	0.194861
453	472	YRLFRKSNLKPFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.572	26.896	0.059	3	0.024	0.0221608
453	472	YRLFRKSNLKPFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	5.466	32.154	0.319	3	0.128	0.116507
456	467	FRKSNLKPFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	1.083	12.034	0.115	3	0.046	0.689792
456	467	FRKSNLKPFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	1.866	20.73	0.115	3	0.046	0.0722423
456	469	FRKSNLKPFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.297	20.885	0.038	3	0.015	0.227419
456	469	FRKSNLKPFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.168	28.802	0.147	3	0.059	0.174309
456	470	FRKSNLKPFERDIST	14.92	300	12	2.994	24.951	0.195	3	0.079	2.911	24.256	0.064	3	0.026	0.200061
456	470	FRKSNLKPFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.755	31.288	0.121	3	0.049	0.213324
456	471	FRKSNLKPFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.411	26.241	0.179	3	0.072	0.764843
456	471	FRKSNLKPFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.283	32.944	0.236	3	0.095	0.556976
456	472	FRKSNLKPFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	4.119	29.423	0.041	3	0.016	0.18086
456	472	FRKSNLKPFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	4.865	34.753	0.107	3	0.043	0.186877
462	470	KPFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	2.923	41.755	0.016	3	0.007	0.106222
462	470	KPFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	3.033	43.333	0.113	3	0.046	0.95814
462	471	KPFERDISTE	8.65	300	8	3.347	41.838	0.093	3	0.037	3.365	42.069	0.022	3	0.009	0.48595
462	471	KPFERDISTE	8.65	3000	8	3.481	43.51	0.15	3	0.06	3.457	43.208	0.251	3	0.101	0.743829
468	472	ISTEI	11.28	300	3	1.832	61.063	0.078	3	0.031	1.837	61.237	0.011	3	0.004	0.800997
468	472	ISTEI	11.28	3000	3	1.796	59.855	0.054	3	0.022	1.821	60.7	0.059	3	0.024	0.244726
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.714	52.377	0.058	3	0.023	0.687999
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.721	52.454	0.141	3	0.057	0.117462
471	513	EIQAGSTPCNGVEGFNCFYFPLQS	22	300	37	13.548	36.616	0.293	3	0.118	12.64	34.161	0.45	3	0.181	0.0033422
471	513	YGFQPTNGVGYQPYRVVVL	22	300	37	13.548	36.616	0.293	3	0.118	12.64	34.161	0.45	3	0.181	6
471	513	EIQAGSTPCNGVEGFNCFYFPLQS	22	3000	37	14.365	38.826	0.672	3	0.271	13.299	35.942	0.526	3	0.212	0.0067662
471	513	YGFQPTNGVGYQPYRVVVL	22	3000	37	14.365	38.826	0.672	3	0.271	13.299	35.942	0.526	3	0.212	9
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.422	53.513	0.229	3	0.092	0.760597
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.273	52.279	0.156	3	0.063	0.740816
472	486	NCYFPLQSYGFQPTNGVGYQPYR	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.273	52.279	0.156	3	0.063	0.0019792
487	512	VVV	21.13	300	21	7.627	36.318	0.215	3	0.086	6.389	30.423	0.442	3	0.178	8

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
487	512	NCYFPLQSYGFQPTNGVGYQPVR VVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	7.03	33.478	0.355	3	0.143	0.00268024
487	514	NCYFPLQSYGFQPTNGVGYQPVR VVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	6.676	29.027	0.086	3	0.035	0.00132652
487	514	NCYFPLQSYGFQPTNGVGYQPVR VVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	7.223	31.403	0.246	3	0.099	0.000455309
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	300	18	6.863	38.127	0.464	3	0.187	6.506	36.142	0.08	3	0.032	0.076235100009849
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	6.651	36.95	0.126	3	0.051	0.0213583
488	512	CYFPLQSYGFQPTNGVGYQPVRV VV	21.08	300	20	7.008	35.04	0.302	3	0.122	6.609	33.043	0.096	3	0.039	0.0213583
488	512	CYFPLQSYGFQPTNGVGYQPVRV VV	21.08	3000	20	7.753	38.763	0.071	3	0.028	6.723	33.613	0.08	3	0.032	2.32E-06
490	513	FPLQSYGFQPTNGVGYQPVRVVV L	20.96	300	20	6.471	32.357	0.204	3	0.082	6.064	30.318	0.22	3	0.088	0.00431779
490	513	FPLQSYGFQPTNGVGYQPVRVVV L	20.96	3000	20	7.259	36.297	0.189	3	0.076	6.202	31.011	0.358	3	0.144	0.00142881
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	300	19	6.608	34.78	0.199	3	0.08	6.204	32.654	0.152	3	0.061	0.00288706
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	3000	19	6.99	36.789	0.002	3	0.001	6.316	33.242	0.268	3	0.108	0.00840736
495	510	YGFQPTNGVGYQPVRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.736	47.803	0.019	3	0.008	0.695794
495	510	YGFQPTNGVGYQPVRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.636	46.967	0.198	3	0.08	0.814923
495	512	YGFQPTNGVGYQPVRVVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.619	40.137	0.056	3	0.023	0.641422
495	512	YGFQPTNGVGYQPVRVVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.54	39.571	0.178	3	0.072	0.523348
495	513	YGFQPTNGVGYQPVRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.493	36.618	0.05	3	0.02	0.595626
495	513	YGFQPTNGVGYQPVRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.407	36.044	0.157	3	0.063	0.680028
495	514	YGFQPTNGVGYQPVRVVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	5.46	34.124	0.267	3	0.108	0.42749
495	514	YGFQPTNGVGYQPVRVVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	5.438	33.987	0.258	3	0.104	0.57872
496	512	GFQPTNGVGYQPVRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.178	39.832	0.095	3	0.038	0.582362
496	512	GFQPTNGVGYQPVRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.153	39.637	0.119	3	0.048	0.933926
496	513	GFQPTNGVGYQPVRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	5.034	35.959	0.063	3	0.025	0.323749
496	513	GFQPTNGVGYQPVRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	4.956	35.4	0.255	3	0.103	0.308649

Appendix Table A3 - Nb NM1222

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1222					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
497	510	FQPTNGVGYPYRV	17.43	300	10	4.742	47.422	0.506	2	0.056	4.791	47.911	0.071	3	0.029	0.417989
497	510	FQPTNGVGYPYRV	17.43	3000	10	4.595	45.949	0.072	3	0.029	4.756	47.555	0.066	3	0.027	0.00214284
497	513	FQPTNGVGYPYRVVVL	19.75	300	13	4.584	35.26	0.193	3	0.078	4.641	35.701	0.082	3	0.033	0.332151
497	513	FQPTNGVGYPYRVVVL	19.75	3000	13	4.558	35.063	0.078	3	0.031	4.569	35.143	0.139	3	0.056	0.796607
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.426	20.366	0.032	3	0.013	0.820017
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.423	20.328	0.048	3	0.019	0.313066
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.364	17.046	0.055	3	0.022	0.828686
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.349	16.867	0.029	3	0.012	0.171471
503	514	VGYPYRVVLS	18.48	300	9	1.416	15.733	0.086	3	0.035	1.38	15.338	0.113	3	0.045	0.347375
503	514	VGYPYRVVLS	18.48	3000	9	1.418	15.759	0.088	3	0.036	1.364	15.157	0.062	3	0.025	0.105213
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.13	4.336	0.02	3	0.008	12
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.447	14.884	0.007	3	0.003	0.0576369
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.246	45.285	0.348	3	0.14	7.168	44.799	0.242	3	0.097	0.478502
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	6.918	43.235	0.238	3	0.096	0.0802291
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.736	44.905	0.611	3	0.246	6.727	44.846	0.099	3	0.04	0.956629
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.66	44.397	0.184	3	0.074	6.574	43.83	0.295	3	0.119	0.361958
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.648	47.488	0.089	3	0.036	0.324204
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.453	46.091	0.284	3	0.114	0.176034
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.409	49.298	0.623	2	0.069	0.14778
517	533	LLHAPATVCGPKKSTNL		3000	13	5.982	46.012	0.159	3	0.064	6.211	47.776		1	0	

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	#D	%D	Conf Interv al (#D)	#Pt s	Stdde v	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	1.306	10.885	0.134	3	0.054	1.51E-05
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	2.023	16.857	0.095	3	0.038	1.66E-05 0.0006335
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	1.184	13.157	0.027	3	0.011	43
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	1.925	21.393	0.054	3	0.022	3.11E-06
351	364	YAWNRKRISNCVAD	15.47	300	12	4.352	36.27	0.25	3	0.101	2.206	18.381	0.148	3	0.06	3.66E-05
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.622	38.513	0.105	3	0.042	3.188	26.564	0.127	3	0.051	4.41E-06
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.718	48.237	0.286	3	0.115	5.418	33.862	0.14	3	0.056	9.34E-05 0.0018831
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.866	49.165	0.037	3	0.015	6.431	40.194	0.288	3	0.116	8
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.633	65.83	0.083	3	0.034	0.791889
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.645	66.123	0.096	3	0.039	0.0699039
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	4.115	68.59	0.158	3	0.063	0.433635
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	4.151	69.19	0.156	3	0.063	0.0352151
374	387	FSTFKCYGVSPTKL	18.86	300	11	5.281	48.006	0.211	3	0.085	5.486	49.874	0.18	2	0.02	0.0441866
374	387	FSTFKCYGVSPTKL	18.86	3000	11	5.359	48.722	0.023	3	0.009	5.577	50.702	0.117	3	0.047	0.0127645
375	387	STFKCYGVSPTKL	17.72	300	10	5.132	51.32	0.241	3	0.097	5.213	52.129	0.12	3	0.048	0.288162
375	387	STFKCYGVSPTKL	17.72	3000	10	5.22	52.201	0.026	3	0.011	5.337	53.374	0.105	3	0.042	0.0344156
378	387	KCYGVSPTKL	13.89	300	7	4.13	59.001	0.194	3	0.078	4.204	60.057	0.169	3	0.068	0.284983
378	387	KCYGVSPTKL	13.89	3000	7	4.071	58.161	0.018	3	0.007	4.231	60.442	0.239	3	0.096	0.101996
388	395	NDLCFTNV	19.06	300	6	3.541	59.016	0.094	3	0.038	3.612	60.204	0.154	3	0.062	0.179924
388	395	NDLCFTNV	19.06	3000	6	3.864	64.401	0.084	3	0.034	4.027	67.111	0.148	3	0.06	0.0236737
392	399	FTNVYADS	13.73	300	6	1.084	18.063	0.012	3	0.005	1.074	17.903	0.026	3	0.01	0.247414
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.31	21.833	0.017	3	0.007	0.0532271
392	400	FTNVYADSF	19.28	300	7	0.92	13.139	0.054	3	0.022	0.916	13.082	0.074	3	0.03	0.859635
392	400	FTNVYADSF	19.28	3000	7	1.217	17.381	0.1	3	0.04	1.178	16.828	0.101	3	0.041	0.306604

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.119	3.956	0.03	3	0.012	0.334529
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.153	5.099	0.019	3	0.008	0.0019855
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.155	3.106	0.03	3	0.012	0.0027368
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.212	4.239	0.492	2	0.055	0.332882
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.35	5.836	0.032	3	0.013	0.0318883
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.606	10.093	0.046	3	0.019	0.0564826
400	409	FVIRGDEVQR	14.37	300	8	1.031	12.887	0.156	3	0.063	1.06	13.245	0.048	3	0.019	0.517914
400	409	FVIRGDEVQR	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.387	17.339	0.032	3	0.013	0.12692
400	420	FVIRGDEVQRAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	4.162	23.12	0.172	3	0.069	0.851488
400	420	FVIRGDEVQRAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.977	27.648	0.109	3	0.044	0.174478
400	421	FVIRGDEVQRAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	4.019	21.153	0.168	3	0.068	0.603889
400	421	FVIRGDEVQRAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.82	25.37	0.127	3	0.051	0.0689054
400	422	FVIRGDEVQRAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	4.195	20.975	0.176	3	0.071	0.531644
400	422	FVIRGDEVQRAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	5.011	25.053	0.142	3	0.057	0.149044
400	428	FVIRGDEVQRAPGQTGKIADYNYKLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	4.363	17.453	0.38	3	0.153	0.339579
400	428	FVIRGDEVQRAPGQTGKIADYNYKLPDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	5.074	20.297	0.229	3	0.092	0.207328
400	431	TG	19.14	300	28	4.895	17.48	0.135	3	0.054	5.125	18.303	0.281	3	0.113	0.0530824
400	431	FVIRGDEVQRAPGQTGKIADYNYKLPDDF	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.906	21.092	0.23	3	0.093	0.0169308
400	441	TGCVIAWNSNNL	20.8	300	38	7.503	19.746	0.135	3	0.054	7.374	19.404	0.506	3	0.204	0.385471
400	441	FVIRGDEVQRAPGQTGKIADYNYKLPDDF	20.8	3000	38	8.009	21.076	0.415	3	0.167	8.506	22.383	0.056	3	0.023	0.0336116
401	420	VIRGDEVQRAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	4.373	25.725	0.157	3	0.063	0.872571
401	420	VIRGDEVQRAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	5.225	30.737	0.158	3	0.064	0.0689951
401	421	VIRGDEVQRAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	4.151	23.06	0.165	3	0.067	0.824729
401	421	VIRGDEVQRAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.966	27.591	0.099	3	0.04	0.0780477
401	422	VIRGDEVQRAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.37	23.001	0.166	3	0.067	0.563461

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
401	422	VIRGDEVQRQIAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	5.218	27.462	0.153	3	0.062	0.0536585
401	431	VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	27	4.893	18.122	0.236	3	0.095	5.111	18.931	0.286	3	0.115	0.0667411
401	431	VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.964	22.087	0.134	3	0.054	0.0009988
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.741	34.007	0.149	3	0.06	0.857174
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.369	39.719	0.231	3	0.093	0.0660323
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.348	27.903	0.081	3	0.032	0.622015
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.923	32.696	0.095	3	0.038	0.0103199
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.522	27.092	0.143	3	0.057	0.403858
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	4.101	31.545	0.148	3	0.06	0.0565361
408	421	RQIAPGQTGKIADY	14.08	300	11	3.021	27.463	0.119	3	0.048	3.084	28.032	0.159	3	0.064	0.251315
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.359	30.535	0.163	3	0.066	3.599	32.714	0.091	3	0.037	0.0103012
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.398	28.318	0.119	3	0.048	0.386473
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.905	32.539	0.052	3	0.021	0.0011308
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.17	23.4	0.067	3	0.027	2
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.182	23.642	0.057	3	0.023	0.386537
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.581	22.59	0.065	3	0.026	0.0683466
422	431	NYKLPDDFTG	18.08	3000	7	1.556	22.227	0.06	3	0.024	1.645	23.501	0.067	3	0.027	0.146784
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.602	20.054	0.034	3	0.014	0.0135075
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.628	20.927	0.054	3	0.022	0.0304883
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.138	28.45	0.067	3	0.027	0.0316287
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.161	29.026	0.095	3	0.038	0.214932
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	3.907	24.418	0.069	3	0.028	0.0539389
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	4.357	27.233	0.166	3	0.067	0.0163379
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYN	21.19	300	27	8.593	31.827	0.902	3	0.363	8.498	31.473	1.312	3	0.528	0.0720099
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYN	21.19	3000	27	8.461	31.337	2.091	3	0.842	9.487	35.135	1.161	3	0.467	0.810438
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.622	32.775	0.178	3	0.072	0.158495

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	3.115	38.938	0.076	3	0.031	0.0012053
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	4.976	49.763	0.195	3	0.079	0.709635
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	5.536	55.357	0.302	3	0.122	0.0828821
442	451	DSKVGGNYY	11.82	300	8	4.696	58.703	0.259	3	0.104	4.771	59.634	0.172	3	0.069	0.369195
442	451	DSKVGGNYY	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.816	60.198	0.24	3	0.096	0.0462586
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.747	52.743	0.193	3	0.078	0.59263
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.321	59.12	0.225	3	0.09	0.0440106
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.316	53.947	0.181	3	0.073	0.353332
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.893	61.165	0.263	3	0.106	0.0993239
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.489	49.841	0.169	3	0.068	0.340999
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	4.045	57.789	0.11	3	0.044	0.0114861
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.439	20.562	0.054	3	0.022	0.0341174
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.963	28.04	0.048	3	0.019	0.0002168
453	467	YRLFRKSNLKPFERD	16.22	300	12	1.201	10.011	0.334	3	0.134	1.358	11.314	0.09	3	0.036	0.17478
453	467	YRLFRKSNLKPFERD	16.22	3000	12	2.134	17.783	0.039	3	0.016	2.275	18.958	0.105	3	0.042	0.0186
453	469	YRLFRKSNLKPFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.729	19.493	0.117	3	0.047	0.0422173
453	469	YRLFRKSNLKPFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.745	26.751	0.14	3	0.056	0.0122693
453	470	YRLFRKSNLKPFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	4.129	27.524	0.178	3	0.072	0.776487
453	470	YRLFRKSNLKPFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.946	32.977	0.127	3	0.051	0.116253
453	471	YRLFRKSNLKPFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.905	24.405	0.139	3	0.056	0.0390548
453	471	YRLFRKSNLKPFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.914	30.715	0.117	3	0.047	0.0010200
453	472	YRLFRKSNLKPFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.941	29.067	0.157	3	0.063	0.0321412
453	472	YRLFRKSNLKPFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	5.994	35.258	0.198	3	0.08	0.0061548
456	467	FRKSNLKPFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	1.19	13.228	0.063	3	0.025	0.0781964
456	467	FRKSNLKPFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	2.125	23.616	0.125	3	0.05	0.0241641
456	469	FRKSNLKPFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.399	21.808	0.094	3	0.038	0.377131

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223							
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p		
456	469	FRKSNLKPFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.378	30.706	0.077	3	0.031	0.0090440		
456	470	FRKSNLKPFERDIST	14.92	300	12	2.994	24.951	0.195	3	0.079	3.012	25.099	0.098	3	0.039	0.75026		
456	470	FRKSNLKPFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.96	33	0.087	3	0.035	0.0093422		
456	471	FRKSNLKPFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.615	27.807	0.043	3	0.017	0.0082566		
456	471	FRKSNLKPFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.454	34.259	0.202	3	0.081	0.116928		
462	470	KPFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	2.988	42.683	0.122	3	0.049	0.952797		
462	470	KPFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	3.169	45.275	0.214	3	0.086	0.0965718		
462	471	KPFERDISTE	8.65	300	8	3.347	41.838	0.093	3	0.037	3.237	40.458	0.298	3	0.12	0.247673		
462	471	KPFERDISTE	8.65	3000	8	3.481	43.51	0.15	3	0.06	3.43	42.881	0.113	3	0.046	0.317541		
468	472	ISTEI	11.28	300	3	1.832	61.063	0.078	3	0.031	1.861	62.043	0.09	3	0.036	0.347766		
468	472	ISTEI	11.28	3000	3	1.796	59.855	0.054	3	0.022	1.867	62.245	0.059	3	0.024	0.0181191		
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.883	54.258	0.234	3	0.094	0.23358		
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.815	53.497	0.765	3	0.308	0.428141		
471	486	EIQAGSTPCNGVEGF	18.83	300	13	6.437	49.512	0.37	3	0.149	6.678	51.372		1	0			
471	486	EIQAGSTPCNGVEGF	18.83	3000	13	6.312	48.558	0.1	3	0.04	6.627	50.98		1	0			
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQP TNGVGYQPYRVVVL	22	300	37	13.54	8	36.616	0.293	3	0.118	13.95	37.703	0.322	3	0.13	0.0167428	
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQP TNGVGYQPYRVVVL	22	3000	37	14.36	5	38.826	0.672	3	0.271	14.93	7	40.369	0.357	3	0.144	0.0472399
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.551	54.588	0.338	3	0.136	0.245653		
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.656	55.469	0.253	3	0.102	0.011147		
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	7.098	54.601	0.323	3	0.13	7.278	55.984	0.194	3	0.078	0.124807		
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.977	53.67	0.179	3	0.072	7.383	56.795	0.415	3	0.167	0.0363436		
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	8.014	38.162	0.203	3	0.082	0.0048894		
487	512	NCYFPLQSYGFQPTNGVGYQPYRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	8.941	42.576	0.214	3	0.086	0.0045041		
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	7.899	34.342	0.111	3	0.045	0.016052		
487	514	NCYFPLQSYGFQPTNGVGYQPYRVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	8.764	38.104	0.383	3	0.154	0.0179897		

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	300	18	6.863	38.127	0.464	3	0.187	7.254	40.3	0.027	3	0.011	0.0679295
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	8.083	44.907	1.857	2	0.207	0.177276
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVVV	21.08	300	20	7.008	35.04	0.302	3	0.122	7.349	36.746	0.465	3	0.187	0.0670438
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	8.24	41.198	0.156	3	0.063	0.0016461
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	6.715	33.573	0.097	3	0.039	0.020805
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	3000	20	7.259	36.297	0.189	3	0.076	7.593	37.963	0.261	3	0.105	0.0139006
495	510	YGFQPTNGVGYQPYPYRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.777	48.144	0.199	3	0.08	0.448111
495	510	YGFQPTNGVGYQPYPYRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.84	48.671	0.183	3	0.074	0.0212855
495	512	YGFQPTNGVGYQPYPYRVVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.732	40.94	0.165	3	0.066	0.347015
495	512	YGFQPTNGVGYQPYPYRVVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.815	41.533	0.226	3	0.091	0.03974
495	513	YGFQPTNGVGYQPYPYRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.61	37.402	0.19	3	0.076	0.0929464
495	513	YGFQPTNGVGYQPYPYRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.665	37.764	0.205	3	0.083	0.0225323
495	514	YGFQPTNGVGYQPYPYRVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	5.666	35.411	0.187	3	0.075	0.197438
495	514	YGFQPTNGVGYQPYPYRVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	5.724	35.776	0.261	3	0.105	0.0391876
496	510	GFQPTNGVGYQPYPYRV	17.98	300	11	5.269	47.896	0.227	3	0.092	5.34	48.546	0.157	3	0.063	0.334776
496	510	GFQPTNGVGYQPYPYRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	5.453	49.57	0.218	3	0.088	0.031158
496	512	GFQPTNGVGYQPYPYRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.286	40.661	0.116	3	0.047	0.31593
496	512	GFQPTNGVGYQPYPYRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.342	41.09	0.283	3	0.114	0.100338
496	513	GFQPTNGVGYQPYPYRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	5.192	37.089	0.149	3	0.06	0.223161
496	513	GFQPTNGVGYQPYPYRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	5.247	37.476	0.183	3	0.074	0.0321681
497	510	FQPTNGVGYQPYPYRV	17.43	300	10	4.742	47.422	0.506	2	0.056	4.78	47.802	0.248	3	0.1	0.625183
497	510	FQPTNGVGYQPYPYRV	17.43	3000	10	4.585	45.846	0.028	3	0.011	4.81	48.104	0.197	3	0.079	0.0365626
497	512	FQPTNGVGYQPYPYRVVV	18.8	300	12	4.681	39.012	0.2	3	0.081	4.786	39.882	0.184	3	0.074	0.173796
497	512	FQPTNGVGYQPYPYRVVV	18.8	3000	12	4.633	38.607	0.053	3	0.021	4.816	40.135	0.185	3	0.074	0.0419551
497	513	FQPTNGVGYQPYPYRVVVL	19.75	300	13	4.584	35.26	0.193	3	0.078	4.635	35.655	0.165	2	0.018	0.372535
497	513	FQPTNGVGYQPYPYRVVVL	19.75	3000	13	4.558	35.063	0.078	3	0.031	4.639	35.686	0.081	2	0.009	0.0360816
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.468	20.971	0.105	3	0.042	0.204107

Appendix Table A3 – Nb NM 1223

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	RBD					RBD + Nb NM1223					
						#D	%D	Conf Interv al (#D)	#Pts	Stddev	#D	%D	Conf Interv al (#D)	#Pts	Stddev	p
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.468	20.978	0.063	3	0.025	0.0530332
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.394	17.43	0.073	3	0.029	0.433526
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.426	17.83	0.063	3	0.025	0.0420286
503	514	VGYPYRVVVLS	18.48	300	9	1.416	15.733	0.086	3	0.035	1.432	15.909	0.066	3	0.027	0.565795
503	514	VGYPYRVVVLS	18.48	3000	9	1.418	15.759	0.088	3	0.036	1.431	15.905	0.111	3	0.045	0.710497
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.143	4.756	0.041	3	0.016	0.0069028
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.546	18.211	0.045	3	0.018	6
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.205	45.031	0.521	3	0.21	7.503	46.893	0.181	3	0.073	0.0023180
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	7.625	47.654	0.166	3	0.067	5
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.776	45.172	0.452	3	0.182	6.999	46.662	0.274	3	0.11	0.121255
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.611	44.075	0.111	3	0.044	7.243	48.29	0.304	3	0.122	0.0005052
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.999	46.662	0.274	3	0.11	92
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.826	48.757	0.221	3	0.089	0.158325
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.881	49.148	0.326	3	0.131	0.0065777
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.516	50.12	0.211	3	0.085	1
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.592	50.706	0.226	3	0.091	0.0702121
																0.0011420
																8

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	2.512	20.93	0.038	4	0.024	0.00613312
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	2.959	24.656	0.355	3	0.143	0.0724272
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	2.263	25.149	0.058	4	0.037	0.00322162
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	2.673	29.704	0.075	3	0.03	0.000246494
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.718	48.237	0.286	3	0.115	7.388	46.177	0.269	4	0.169	0.0279895
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.866	49.165	0.037	3	0.015	7.499	46.866	0.322	3	0.13	0.0375303
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.645	66.118	0.078	4	0.049	0.580806
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.654	66.361	0.092	3	0.037	0.0446007
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	4.136	68.937	0.11	4	0.069	0.264123
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	4.126	68.773	0.087	3	0.035	0.0115441
374	387	FSTFKCYGVSPTKL	18.86	300	11	5.281	48.006	0.211	3	0.085	5.375	48.866	0.249	2	0.028	0.187256
374	387	FSTFKCYGVSPTKL	18.86	3000	11	5.359	48.722	0.023	3	0.009	5.5	50.003	0.016	2	0.002	0.000935345
378	387	KCYGVSPTKL	13.89	300	7	4.13	59.001	0.194	3	0.078	4.153	59.331	0.259	4	0.163	0.814985
378	387	KCYGVSPTKL	13.89	3000	7	4.071	58.161	0.018	3	0.007	4.208	60.114	0.023	3	0.009	5.13E-05
388	392	NDLCF	18.53	300	3	1.702	56.74	0.122	3	0.049	1.844	61.459	0.056	4	0.035	0.0176475
388	392	NDLCF	18.53	3000	3	1.772	59.065	0.044	3	0.018	1.867	62.226	0.022	3	0.009	0.00419843
388	399	NDLCFTNVYADS	19.38	300	10	3.397	33.975	0.095	3	0.038	3.593	35.928	0.175	4	0.11	0.0310449
388	399	NDLCFTNVYADS	19.38	3000	10	3.802	38.018	0.049	3	0.02	3.779	37.785	0.3	3	0.121	0.772146
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.168	19.46	0.03	4	0.019	0.47376
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.268	21.131	0.041	3	0.017	0.00585749
392	400	FTNVYADSF	19.28	300	7	0.92	13.139	0.054	3	0.022	0.901	12.874	0.102	4	0.064	0.618379
392	400	FTNVYADSF	19.28	3000	7	1.217	17.381	0.1	3	0.04	1.097	15.669	0.319	3	0.128	0.242693
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.16	5.341	0.023	4	0.014	0.14751
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.145	4.827	0.012	3	0.005	0.00323539
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.152	3.041	0.015	4	0.01	0.00168102
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.288	5.754	0.473	2	0.053	0.790866

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.347	5.785	0.02	4	0.013	0.0165516
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.661	11.022	0.04	3	0.016	0.243273
400	409	FVIRGDEV RQ	14.37	300	8	1.031	12.887	0.156	3	0.063	1.061	13.267	0.058	4	0.036	0.507791
400	409	FVIRGDEV RQ	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.419	17.732	0.017	3	0.007	0.633625
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	4.218	23.431	0.059	4	0.037	0.309718
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.92	27.332	0.192	3	0.077	0.929276
400	421	FVIRGDEV RQ IAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	4.057	21.351	0.039	4	0.025	0.305393
400	421	FVIRGDEV RQ IAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.722	24.855	0.216	3	0.087	0.920422
400	422	FVIRGDEV RQ IAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	4.291	21.457	0.217	4	0.136	0.168826
400	422	FVIRGDEV RQ IAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.917	24.585	0.247	3	0.099	0.785964
400	428	FVIRGDEV RQ IAPGQTGKIADYNYKLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	4.463	17.852	0.102	4	0.064	0.0207749
400	428	FVIRGDEV RQ IAPGQTGKIADYNYKLPDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	5.059	20.236	0.381	3	0.154	0.461376
400	429	FVIRGDEV RQ IAPGQTGKIADYNYKLPDDF	19.45	300	26	4.415	16.979	0.187	3	0.075	4.662	17.929	0.115	4	0.072	0.00996907
400	429	FVIRGDEV RQ IAPGQTGKIADYNYKLPDDF	19.45	3000	26	5.14	19.768	0.148	3	0.059	5.181	19.926	0.343	3	0.138	0.671768
400	431	FVIRGDEV RQ IAPGQTGKIADYNYKLPDDFTG	19.14	300	28	4.895	17.48	0.135	3	0.054	5.106	18.237	0.087	4	0.054	0.00521531
400	431	FVIRGDEV RQ IAPGQTGKIADYNYKLPDDFTG	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.797	20.703	0.283	3	0.114	0.110287
401	421	VIRGDEV RQ IAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	4.249	23.607	0.078	4	0.049	0.135622
401	421	VIRGDEV RQ IAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.961	27.562	0.2	3	0.08	0.297182
401	422	VIRGDEV RQ IAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.433	23.332	0.058	4	0.037	0.114459
401	422	VIRGDEV RQ IAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	5.171	27.216	0.165	3	0.067	0.181002
401	431	VIRGDEV RQ IAPGQTGKIADYNYKLPDDFTG	18.72	300	27	4.893	18.122	0.236	3	0.095	5.077	18.802	0.085	4	0.053	0.0587674
401	431	VIRGDEV RQ IAPGQTGKIADYNYKLPDDFTG	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.69	21.075	0.302	3	0.121	0.299512
407	420	VRQ IAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.805	34.59	0.074	4	0.047	0.351992
407	420	VRQ IAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.293	39.028	0.158	3	0.064	0.0907227
407	421	VRQ IAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.429	28.578	0.058	4	0.037	0.117316
407	421	VRQ IAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.841	32.006	0.127	3	0.051	0.211145
407	422	VRQ IAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.511	27.009	0.188	4	0.118	0.678113
407	422	VRQ IAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	4.002	30.785	0.111	3	0.045	0.629255

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	21	4.106	19.552	0.292	3	0.118	3.705	17.643	0.049	4	0.031	0.022805
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	21	4.543	21.633	0.116	3	0.047	3.933	18.73	1.479	3	0.595	0.217435
408	421	RQIAPGQTGKIADY	14.08	300	11	3.021	27.463	0.119	3	0.048	3.159	28.72	0.046	4	0.029	0.0199896
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.359	30.535	0.163	3	0.066	3.526	32.057	0.078	3	0.031	0.0305796
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.435	28.624	0.064	4	0.04	0.200202
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.818	31.817	0.131	3	0.053	0.122612
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.52	19.005	0.03	4	0.019	0.740595
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.512	18.898	0.103	3	0.041	0.393729
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.616	15.406	0.053	4	0.033	0.964726
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.605	15.114	0.06	3	0.024	0.07381
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.16	23.204	0.059	4	0.037	0.622766
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.151	23.028	0.049	3	0.02	0.494374
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.553	22.192	0.066	4	0.041	0.49119
422	431	NYKLPDDFTG	18.08	3000	7	1.551	22.155	0.068	3	0.027	1.554	22.202	0.144	3	0.058	0.934838
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.61	20.326	0.036	4	0.022	0.0236755
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.598	19.945	0.055	3	0.022	0.151183
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.121	28.034	0.028	4	0.017	0.409972
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.098	27.454	0.084	3	0.034	0.518471
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.525	25.421	0.033	4	0.021	0.313517
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.537	25.613	0.09	3	0.036	0.194262
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	4.164	26.024	0.377	4	0.237	0.690166
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	4.267	26.669	0.124	3	0.05	0.375882
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	300	27	8.593	31.827	0.902	3	0.363	8.181	30.299	1.862	3	0.749	0.456159
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	3000	27	8.461	31.337	2.091	3	0.842	8.102	30.007	1.665	3	0.67	0.595401
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	3.021	37.763	0.081	4	0.051	0.0157006
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	3.049	38.11	0.094	3	0.038	0.00956107
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	4.822	48.221	0.15	4	0.094	0.0531615
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	4.815	48.147	0.178	3	0.072	0.0033695

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.584	50.935	0.126	4	0.079	0.0262034
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	4.594	51.041	0.132	3	0.053	0.000330529
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.171	52.134	0.134	4	0.084	0.0184769
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.209	52.611	0.129	3	0.052	0.000618812
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.293	47.044	0.047	4	0.029	0.0335702
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	3.328	47.536	0.125	3	0.05	0.000651538
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.3	18.565	0.039	4	0.024	0.682632
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.526	21.796	0.121	3	0.049	0.00697855
453	467	YRLFRKSNLKPFFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.093	9.108	0.077	4	0.049	0.00303142
453	467	YRLFRKSNLKPFFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	1.479	12.327	0.066	3	0.026	4.02E-05
453	469	YRLFRKSNLKPFFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	1.319	9.422	0.075	4	0.047	1.26E-07
453	469	YRLFRKSNLKPFFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	2.127	15.192	0.143	3	0.057	4.68E-05
453	470	YRLFRKSNLKPFFERDIST	17.26	300	15	3.189	21.258	0.283	3	0.114	1.566	10.44	0.098	4	0.062	0.000250657
453	470	YRLFRKSNLKPFFERDIST	17.26	3000	15	4.169	27.794	0.131	3	0.053	2.686	17.906	0.104	3	0.042	4.65E-06
453	471	YRLFRKSNLKPFFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	2.093	13.081	0.127	4	0.08	7.59E-06
453	471	YRLFRKSNLKPFFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	3.248	20.298	0.169	3	0.068	0.000143931
453	472	YRLFRKSNLKPFFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	2.906	17.095	0.149	4	0.094	6.39E-07
453	472	YRLFRKSNLKPFFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	4.196	24.682	0.106	3	0.043	2.51E-06
456	467	FRKSNLKPFFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	0.977	10.859	0.041	4	0.026	0.0391193
456	467	FRKSNLKPFFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	1.369	15.216	0.071	3	0.028	0.000213167
456	469	FRKSNLKPFFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	0.982	8.924	0.071	4	0.045	1.47E-05
456	469	FRKSNLKPFFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	1.745	15.865	0.028	3	0.011	7.75E-05
456	470	FRKSNLKPFFERDIST	14.92	300	12	2.994	24.951	0.195	3	0.079	1.318	10.983	0.103	4	0.065	9.42E-06
456	470	FRKSNLKPFFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	2.416	20.133	0.055	3	0.022	1.48E-05
456	471	FRKSNLKPFFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	1.73	13.309	0.052	4	0.033	1.27E-06
456	471	FRKSNLKPFFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	2.883	22.179	0.156	3	0.063	1.57E-05
456	472	FRKSNLKPFFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	2.596	18.54	0.669	4	0.421	0.00431713
456	472	FRKSNLKPFFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	3.65	26.068	0.692	2	0.077	0.0237135

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
462	470	KPFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	1.212	17.311	0.095	4	0.06	8.52E-08
462	470	KPFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	2.102	30.022	0.06	3	0.024	8.98E-05
462	471	KPFERDISTE	8.65	300	8	3.347	41.838	0.093	3	0.037	1.623	20.286	0.069	4	0.044	5.74E-08
462	471	KPFERDISTE	8.65	3000	8	3.481	43.51	0.15	3	0.06	2.508	31.344	0.251	3	0.101	0.000461776
468	472	ISTEI	11.28	300	3	1.832	61.063	0.078	3	0.031	1.339	44.62	0.047	4	0.03	1.66E-05
468	472	ISTEI	11.28	3000	3	1.796	59.855	0.054	3	0.022	1.835	61.162	0.059	3	0.024	0.103587
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.574	50.823	0.195	4	0.123	0.143071
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.837	53.742	0.092	3	0.037	0.00293736
471	486	EIQAGSTPCNGVEGF	18.83	300	13	6.437	49.512	0.37	3	0.149	6.356	48.892	0.213	4	0.134	0.498668
471	486	EIQAGSTPCNGVEGF	18.83	3000	13	6.312	48.558	0.1	3	0.04	6.557	50.435	0.29	3	0.117	0.0559586
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22	300	37	13.548	36.616	0.293	3	0.118	13.765	37.202	0.337	4	0.212	0.148311
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22	3000	37	14.365	38.826	0.672	3	0.271	14.577	39.398	0.573	3	0.231	0.361715
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.587	54.889	0.235	4	0.148	0.158463
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.654	55.451	0.374	3	0.151	0.0364255
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	7.098	54.601	0.323	3	0.13	7.237	55.672	0.395	3	0.159	0.308088
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.977	53.67	0.179	3	0.072	7.3	56.151	0.443	3	0.178	0.0729592
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	7.5	35.713	0.164	4	0.103	0.138977
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	8.123	38.681	0.228	3	0.092	0.02673
487	514	NCYFPLQSYGFQPTNGVGYQPYPYRVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	7.338	31.905	0.226	4	0.142	0.03717
487	514	NCYFPLQSYGFQPTNGVGYQPYPYRVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	7.973	34.664	0.143	3	0.058	0.0306232
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	300	18	6.863	38.127	0.464	3	0.187	7.029	39.051	0.173	4	0.109	0.261927
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	7.289	40.496	0.52	3	0.209	0.143107
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVVV	21.08	300	20	7.008	35.04	0.302	3	0.122	7.07	35.349	0.112	4	0.07	0.488763
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	7.463	37.313	0.143	3	0.058	0.0048061
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	6.524	32.619	0.114	4	0.072	0.425622
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	3000	20	7.24	36.201	0.085	3	0.034	6.872	34.36	0.14	3	0.057	0.0015954
491	513	PLQSYGFQPTNGVGYQPYPYRVVVL	20.6	300	19	6.608	34.78	0.199	3	0.08	6.714	35.338	0.181	4	0.114	0.207764
491	513	PLQSYGFQPTNGVGYQPYPYRVVVL	20.6	3000	19	6.99	36.789	0.002	3	0.001	7.067	37.197	0.265	3	0.107	0.335433

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
495	510	YGFQPTNGVGYPYRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.763	48.028	0.127	4	0.08	0.519887
495	510	YGFQPTNGVGYPYRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.735	47.794	0.211	3	0.085	0.135591
495	512	YGFQPTNGVGYPYRVVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.709	40.775	0.114	4	0.072	0.484091
495	512	YGFQPTNGVGYPYRVVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.695	40.679	0.207	3	0.083	0.119276
495	513	YGFQPTNGVGYPYRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.569	37.128	0.138	4	0.087	0.175033
495	513	YGFQPTNGVGYPYRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.547	36.982	0.158	3	0.064	0.0381119
495	514	YGFQPTNGVGYPYRVVLS	19.78	300	16	4.936	30.851	0.252	3	0.102	5.027	31.418	0.062	4	0.039	0.257332
495	514	YGFQPTNGVGYPYRVVLS	19.78	3000	16	4.846	30.286	0.057	3	0.023	5.021	31.382	0.283	3	0.114	0.111755
496	510	GFQPTNGVGYPYRV	17.98	300	11	5.269	47.896	0.227	3	0.092	5.38	48.905	0.144	4	0.091	0.17919
496	510	GFQPTNGVGYPYRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	5.362	48.75	0.137	3	0.055	0.0231283
496	512	GFQPTNGVGYPYRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.253	40.407	0.093	4	0.058	0.566003
496	512	GFQPTNGVGYPYRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.23	40.227	0.153	3	0.062	0.154952
496	513	GFQPTNGVGYPYRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	5.138	36.702	0.096	4	0.06	0.56998
496	513	GFQPTNGVGYPYRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	5.104	36.457	0.21	3	0.085	0.297389
497	512	FQPTNGVGYPYRVVV	18.8	300	12	4.681	39.012	0.2	3	0.081	4.678	38.985	0.158	4	0.099	0.964528
497	512	FQPTNGVGYPYRVVV	18.8	3000	12	4.605	38.376	0.076	3	0.031	4.66	38.835	0.084	3	0.034	0.105264
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.454	20.772	0.036	4	0.022	0.0681819
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.473	21.049	0.11	3	0.044	0.123628
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.364	17.054	0.068	4	0.043	0.866802
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.386	17.324	0.028	3	0.011	0.0534377
503	514	VGYPYRVVLS	18.48	300	9	1.416	15.733	0.086	3	0.035	1.468	16.315	0.164	4	0.103	0.398817
503	514	VGYPYRVVLS	18.48	3000	9	1.418	15.759	0.088	3	0.036	1.427	15.859	0.346	3	0.139	0.921858
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.133	4.444	0.02	4	0.012	0.000276297
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.434	14.462	0.006	3	0.003	0.0851312
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.736	44.905	0.611	3	0.246	6.971	46.471	0.136	4	0.086	0.234805
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.66	44.397	0.184	3	0.074	6.859	45.728	0.291	3	0.117	0.0789416
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.67	47.646	0.426	4	0.268	0.371002
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.76	48.288	0.33	3	0.133	0.0142286

Appendix Table A3 – Nb NM1224

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1224					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.371	49.009	0.203	4	0.128	0.192762
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.376	49.046	0.082	3	0.033	0.00251259

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	3.102	25.851	0.09	3	0.036	0.0563419
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	3.558	29.654	0.067	3	0.027	0.00259821
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	2.976	33.062	0.262	3	0.105	0.0393133
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	3.376	37.514	0.186	3	0.075	0.00539518
351	364	YAWNRKRISNCVAD	15.47	300	12	4.352	36.27	0.25	3	0.101	4.56	38.004	0.244	3	0.098	0.0624457
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.622	38.513	0.105	3	0.042	5.067	42.224	0.292	3	0.117	0.0141511
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	1.805	45.137	0.06	3	0.024	4.84E-05
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.58	64.488	0.071	3	0.029	0.825059
369	376	YNSASFST	12.7	300	6	3.848	64.125	0.067	3	0.027	1.813	30.218	0.212	3	0.085	0.000196529
369	376	YNSASFST	12.7	3000	6	3.807	63.443	0.108	3	0.043	3.076	51.272	0.207	3	0.083	0.000860062
374	387	FSTFKCYGVSPTKL	18.86	300	11	5.281	48.006	0.211	3	0.085	4.457	40.517	0.052	3	0.021	0.00226422
374	387	FSTFKCYGVSPTKL	18.86	3000	11	5.359	48.722	0.023	3	0.009	5.041	45.828	0.165	3	0.066	0.0128289
375	387	STFKCYGVSPTKL	17.72	300	10	5.132	51.32	0.241	3	0.097	4.566	45.661	0.064	3	0.026	0.00655531
375	387	STFKCYGVSPTKL	17.72	3000	10	5.22	52.201	0.026	3	0.011	5.006	50.061	0.145	3	0.058	0.0210773
388	392	NDLCF	18.53	300	3	1.702	56.74	0.122	3	0.049	1.665	55.511	0.046	3	0.018	0.323709
388	392	NDLCF	18.53	3000	3	1.772	59.065	0.044	3	0.018	1.841	61.369	0.029	3	0.012	0.00768298
388	395	NDLCFTNV	19.06	300	6	3.541	59.016	0.094	3	0.038	3.715	61.923	0.039	3	0.016	0.00757241
388	395	NDLCFTNV	19.06	3000	6	3.864	64.401	0.084	3	0.034	3.961	66.011	0.134	3	0.054	0.0699297
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.275	21.255	0.14	3	0.056	0.059639
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.438	23.959	0.074	3	0.03	0.0225528
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.158	5.257	0.032	3	0.013	0.184018
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.304	10.119	0.008	3	0.003	0.0106409
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.156	3.121	0.022	3	0.009	0.00253143
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.23	4.604	0.075	3	0.03	0.319686
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.338	5.641	0.019	3	0.008	0.0404838
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.427	7.111	0.087	3	0.035	0.00310648

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
400	409	FVIRGDEVQR	14.37	300	8	1.031	12.887	0.156	3	0.063	1.02	12.747	0.079	3	0.032	0.801695
400	409	FVIRGDEVQR	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.179	14.737	0.027	3	0.011	0.000188753
400	420	FVIRGDEVQRQIAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	4.085	22.696	0.107	3	0.043	0.349896
400	420	FVIRGDEVQRQIAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.711	26.173	0.148	3	0.06	0.011074
400	421	FVIRGDEVQRQIAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	3.925	20.659	0.165	3	0.066	0.470216
400	421	FVIRGDEVQRQIAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.476	23.555	0.459	3	0.185	0.138067
400	422	FVIRGDEVQRQIAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	4.083	20.417	0.115	3	0.046	0.435544
400	422	FVIRGDEVQRQIAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.723	23.614	0.242	3	0.098	0.0465302
400	428	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	4.247	16.988	0.027	3	0.011	0.946659
400	428	FVIRGDEVQRQIAPGQTGKIADYNYKLPDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	4.934	19.735	0.281	3	0.113	0.588837
400	429	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDF	19.45	300	26	4.415	16.979	0.187	3	0.075	4.517	17.375	0.215	3	0.087	0.196543
400	429	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDF	19.45	3000	26	5.14	19.768	0.148	3	0.059	5.153	19.818	0.106	3	0.043	0.776727
400	431	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	19.14	300	28	4.895	17.48	0.135	3	0.054	5.098	18.208	0.198	3	0.08	0.026901
400	431	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.71	20.391	0.169	3	0.068	0.21947
400	441	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	300	38	7.503	19.746	0.135	3	0.054	7.079	18.63	0.486	2	0.054	0.00880187
400	441	FVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	3000	38	8.009	21.076	0.415	3	0.167	8.329	21.918	0.332	3	0.134	0.06352
401	420	VIRGDEVQRQIAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	4.391	25.831	0.106	3	0.043	0.597324
401	420	VIRGDEVQRQIAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	5.03	29.59	0.062	3	0.025	0.0565709
401	421	VIRGDEVQRQIAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	4.077	22.65	0.132	3	0.053	0.15216
401	421	VIRGDEVQRQIAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.687	26.04	0.176	3	0.071	0.0224148
401	422	VIRGDEVQRQIAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.338	22.833	0.122	3	0.049	0.956441
401	422	VIRGDEVQRQIAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	5.006	26.346	0.163	3	0.066	0.130604
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.84	34.912	0.085	3	0.034	0.164392
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.409	40.082	0.192	3	0.077	0.0249082
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.396	28.303	0.048	3	0.019	0.226084
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.917	32.645	0.084	3	0.034	0.00974311
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.549	27.298	0.073	3	0.029	0.111968
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	4.078	31.37	0.093	3	0.038	0.0354076

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	21	4.106	19.552	0.292	3	0.118	4.33	20.621	2.2	2	0.245	0.400911
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	21	4.543	21.633	0.116	3	0.047	4.778	22.751	0.472	3	0.19	0.159067
408	421	RQIAPGQTGKIADY	14.08	300	11	3.021	27.463	0.119	3	0.048	3.097	28.158	0.04	3	0.016	0.0975553
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.359	30.535	0.163	3	0.066	3.576	32.511	0.114	3	0.046	0.0120654
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.329	27.741	0.15	3	0.061	0.897752
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.789	31.575	0.086	3	0.035	0.155084
421	428	YNYKLPDD	15.58	300	5	0.564	11.279	0.076	3	0.031	0.578	11.558	0.023	3	0.009	0.519787
421	428	YNYKLPDD	15.58	3000	5	0.566	11.316	0.012	3	0.005	0.605	12.093	0.085	3	0.034	0.185025
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.475	18.434	0.026	3	0.011	0.160821
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.522	19.031	0.116	3	0.047	0.619388
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.595	14.865	0.049	3	0.02	0.581883
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.614	15.355	0.023	3	0.009	0.0294448
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.116	22.324	0.024	3	0.01	0.234851
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.162	23.232	0.095	3	0.038	0.44849
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.548	22.111	0.095	3	0.038	0.613681
422	431	NYKLPDDFTG	18.08	3000	7	1.549	22.13	0.072	3	0.029	1.579	22.554	0.103	3	0.042	0.37393
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.583	19.442	0.039	3	0.016	0.219375
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.613	20.425	0.038	3	0.015	0.0608046
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.089	27.233	0.061	3	0.024	0.680155
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.128	28.19	0.079	3	0.032	0.117421
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.482	24.695	0.051	3	0.02	0.800664
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.525	25.416	0.09	3	0.036	0.325487
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	3.341	20.882	0.098	3	0.039	0.000711505
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	4.218	26.361	0.213	3	0.086	0.781638
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	300	27	8.593	31.827	0.902	3	0.363	7.916	29.317	1.158	3	0.466	0.122171
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	3000	27	8.461	31.337	2.091	3	0.842	9.284	34.385	1.169	3	0.471	0.232073
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.016	25.206	0.096	3	0.039	5.63E-05
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	3.064	38.301	0.417	2	0.046	0.0848509

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.378	49.281	0.441	3	0.177	7.378	43.401	0.181	3	0.073	0.00458475
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.66	50.94	0.302	3	0.122	8.526	50.151	0.061	3	0.024	0.192577
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	5.01	50.103	0.054	3	0.022	0.916526
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	5.494	54.941	0.107	3	0.043	0.00682777
442	451	DSKVGGNYYN	11.82	300	8	4.696	58.703	0.259	3	0.104	4.716	58.955	0.012	3	0.005	0.770204
442	451	DSKVGGNYYN	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.793	59.907	0.077	3	0.031	0.00522939
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.768	52.979	0.045	3	0.018	0.764091
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.259	58.436	0.114	3	0.046	0.0145202
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.371	54.642	0.045	3	0.018	0.892224
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.878	60.972	0.106	3	0.043	0.00951869
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.531	50.447	0.019	3	0.008	0.618626
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	4.046	57.806	0.124	3	0.05	0.017349
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.413	20.184	0.05	3	0.02	0.060625
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.926	27.508	0.159	3	0.064	0.035201
453	467	YRLFRKSNLKPFFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.276	10.636	0.048	3	0.019	0.645856
453	467	YRLFRKSNLKPFFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	2.226	18.547	0.185	3	0.074	0.120223
453	469	YRLFRKSNLKPFFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.616	18.687	0.084	3	0.034	0.720307
453	469	YRLFRKSNLKPFFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.621	25.865	0.157	3	0.063	0.16234
453	470	YRLFRKSNLKPFFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	4.052	27.013	0.119	3	0.048	0.58004
453	470	YRLFRKSNLKPFFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.686	31.243	0.139	3	0.056	0.0136371
453	471	YRLFRKSNLKPFFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.797	23.729	0.06	3	0.024	0.23136
453	471	YRLFRKSNLKPFFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.829	30.181	0.261	3	0.105	0.0430996
453	472	YRLFRKSNLKPFFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.896	28.802	0.093	3	0.037	0.0596691
453	472	YRLFRKSNLKPFFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	5.955	35.03	0.108	3	0.043	0.00119236
456	467	FRKSNLKPFFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	1.088	12.093	0.28	3	0.113	0.87773
456	467	FRKSNLKPFFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	2.093	23.261	0.721	3	0.29	0.49616
456	469	FRKSNLKPFFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.415	21.955	0.185	3	0.075	0.356203
456	469	FRKSNLKPFFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.354	30.49	0.125	3	0.05	0.0365997

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
456	470	FRKSNLKPFFERDIST	14.92	300	12	2.947	24.559	0.097	3	0.039	3.007	25.06	0.033	3	0.013	0.103734
456	470	FRKSNLKPFFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.936	32.803	0.096	3	0.039	0.0182822
456	471	FRKSNLKPFFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.417	26.287	0.318	3	0.128	0.910996
456	471	FRKSNLKPFFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.323	33.255	0.202	3	0.081	0.951341
456	472	FRKSNLKPFFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	3.853	27.522	0.814	3	0.328	0.2238
456	472	FRKSNLKPFFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	4.864	34.743	0.835	3	0.336	0.823771
462	470	KPFFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	2.974	42.491	0.041	3	0.016	0.68582
462	470	KPFFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	3.144	44.908	0.155	3	0.062	0.0801141
462	471	KPFFERDISTE	8.65	300	8	3.347	41.838	0.093	3	0.037	3.385	42.313	0.106	3	0.043	0.311632
462	471	KPFFERDISTE	8.65	3000	8	3.481	43.51	0.15	3	0.06	3.61	45.131	0.085	3	0.034	0.044348
468	472	ISTEI	11.28	300	3	1.832	61.063	0.078	3	0.031	1.85	61.667	0.048	3	0.019	0.450311
468	472	ISTEI	11.28	3000	3	1.796	59.855	0.054	3	0.022	1.87	62.323	0.045	3	0.018	0.0112363
471	487	EIQAGSTPCNGVEGFN	17.94	300	14	7.266	51.898	2.404	2	0.268	7.354	52.527	1.261	2	0.14	0.731143
471	487	EIQAGSTPCNGVEGFN	17.94	3000	14	7.102	50.732		1	0	7.274	51.954	0.337	3	0.136	1
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.408	53.399	0.079	3	0.032	0.839049
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.485	54.038	0.141	3	0.057	0.00649727
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	7.098	54.601	0.323	3	0.13	7.141	54.933	0.111	3	0.045	0.631741
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.977	53.67	0.179	3	0.072	7.265	55.881	0.124	3	0.05	0.00671536
487	512	NCYFPLQSYGFQPTNGVGYQPVRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	7.81	37.189	0.105	3	0.042	0.0479368
487	512	NCYFPLQSYGFQPTNGVGYQPVRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	8.778	41.802	0.251	3	0.101	0.0165858
487	514	NCYFPLQSYGFQPTNGVGYQPVRVVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	7.753	33.707	0.155	3	0.062	0.076374
487	514	NCYFPLQSYGFQPTNGVGYQPVRVVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	8.669	37.69	0.168	3	0.068	0.0225834
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	300	18	6.863	38.127	0.464	3	0.187	6.912	38.4	0.06	3	0.024	0.694585
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	7.679	42.659	0.344	2	0.038	0.159149
488	512	CYFPLQSYGFQPTNGVGYQPVRVVV	21.08	300	20	7.008	35.04	0.302	3	0.122	7.217	36.085	0.333	3	0.134	0.116695
488	512	CYFPLQSYGFQPTNGVGYQPVRVVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	8.154	40.77	0.169	3	0.068	0.00397755
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	6.585	32.925	0.087	3	0.035	0.123677
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	3000	20	7.259	36.297	0.189	3	0.076	7.666	38.328	0.383	3	0.154	0.0278228

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	300	19	6.608	34.78	0.199	3	0.08	6.715	35.344	0.129	3	0.052	0.135631
491	513	PLQSYGFQPTNGVGYQPYRVVVL	20.6	3000	19	6.99	36.789	0.002	3	0.001	7.226	38.033	0.164	3	0.066	0.0249235
495	510	YGFQPTNGVGYQPYRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.608	46.731	0.136	3	0.055	0.31919
495	510	YGFQPTNGVGYQPYRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.669	47.242	0.091	3	0.037	0.192676
495	512	YGFQPTNGVGYQPYRVVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.549	39.637	0.121	3	0.049	0.227902
495	512	YGFQPTNGVGYQPYRVVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.646	40.328	0.121	3	0.049	0.106337
495	513	YGFQPTNGVGYQPYRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.431	36.209	0.102	3	0.041	0.647644
495	513	YGFQPTNGVGYQPYRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.532	36.878	0.165	3	0.066	0.0531265
495	514	YGFQPTNGVGYQPYRVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	5.532	34.576	0.108	3	0.044	0.92129
495	514	YGFQPTNGVGYQPYRVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	5.618	35.115	0.131	3	0.053	0.0278868
496	510	GFQPTNGVGYQPYRV	17.98	300	11	5.269	47.896	0.227	3	0.092	5.154	46.857	0.131	3	0.053	0.151879
496	510	GFQPTNGVGYQPYRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	5.231	47.55	0.051	3	0.021	0.17461
496	512	GFQPTNGVGYQPYRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.088	39.142	0.091	3	0.037	0.128993
496	512	GFQPTNGVGYQPYRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.17	39.772	0.086	3	0.035	0.418733
496	513	GFQPTNGVGYQPYRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	4.988	35.625	0.133	3	0.054	0.1475
496	513	GFQPTNGVGYQPYRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	5.062	36.155	0.119	3	0.048	0.461108
497	510	FQPTNGVGYQPYRV	17.43	300	10	4.742	47.422	0.506	2	0.056	4.662	46.617	0.186	3	0.075	0.269926
497	510	FQPTNGVGYQPYRV	17.43	3000	10	4.585	45.846	0.028	3	0.011	4.723	47.225	0.109	3	0.044	0.0259081
497	512	FQPTNGVGYQPYRVVV	18.8	300	12	4.681	39.012	0.2	3	0.081	4.598	38.32	0.046	3	0.019	0.211737
497	512	FQPTNGVGYQPYRVVV	18.8	3000	12	4.633	38.607	0.053	3	0.021	4.664	38.87	0.049	3	0.02	0.134711
497	513	FQPTNGVGYQPYRVVVL	19.75	300	13	4.584	35.26	0.193	3	0.078	4.471	34.39	0.125	3	0.05	0.112859
497	513	FQPTNGVGYQPYRVVVL	19.75	3000	13	4.558	35.063	0.078	3	0.031	4.558	35.061	0.097	3	0.039	0.992701
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.442	20.597	0.034	3	0.014	0.144183
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.455	20.782	0.071	3	0.029	0.104503
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.312	16.395	0.153	3	0.061	0.250026
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.389	17.36	0.049	3	0.02	0.145697
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.103	3.445	0.01	3	0.004	6.10E-05
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.213	7.084	0.009	3	0.003	0.00918791

Appendix Table A3 – Nb NM1226

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1226					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.246	45.285	0.348	3	0.14	7.072	44.203	0.224	3	0.09	0.158318
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	7.154	44.71	0.51	3	0.205	0.599832
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.776	45.172	0.452	3	0.182	6.726	44.839	0.217	3	0.087	0.698463
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.611	44.075	0.111	3	0.044	6.726	44.837	0.368	3	0.148	0.311809
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.67	47.644	0.118	3	0.048	0.275395
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.7	47.854	0.395	3	0.159	0.0372299
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.362	48.94	0.246	3	0.099	0.207446
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.44	49.542	0.423	3	0.17	0.030648

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD Conf Interval					RBD + Nb NM1228 Conf Interval					
						#D	%D	(#D)	#Pts	Stddev	#D	%D	(#D)	#Pts	Stddev	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	2.782	23.18	0.136	3	0.055	0.0361237
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	3.038	25.318	0.038	3	0.015	0.0220112
351	361	YAWNRKRISNC	13.93	300	9	2.698	29.977	0.163	3	0.066	2.506	27.846	0.161	3	0.065	0.0227992
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	2.726	30.294	0.073	3	0.029	0.000495368
351	364	YAWNRKRISNCVAD	15.47	300	12	4.352	36.27	0.25	3	0.101	3.86	32.169	0.129	3	0.052	0.00491374
351	364	YAWNRKRISNCVAD	15.47	3000	12	4.622	38.513	0.105	3	0.042	4.539	37.821	0.259	3	0.104	0.301725
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.696	48.101	0.197	3	0.079	6.673	41.704	0.311	3	0.125	0.000692686
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.809	48.809	0.135	3	0.054	7.59	47.436	0.258	3	0.104	0.0470843
362	368	VADYSVL	16.86	300	5	3.126	62.518		1	0	2.794	55.875	0.289	2	0.032	1
362	368	VADYSVL	16.86	3000	5	2.984	59.677	0.112	3	0.045	3.009	60.177	0.098	3	0.039	0.510872
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.584	64.603	0.088	3	0.035	0.268813
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.55	63.751	0.044	3	0.018	0.313734
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	3.027	50.456	0.257	3	0.103	0.000285811
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	3.324	55.397	0.069	3	0.028	1.44E-05
369	387	YNSASFSTFKCYGVSP TKL	19.39	300	16	7.965	49.78	0.27	2	0.03	5.137	32.109	0.643	2	0.072	0.00355126
369	387	YNSASFSTFKCYGVSP TKL	19.39	3000	16	8.103	50.645	0.926	2	0.103	6.298	39.361	0.627	2	0.07	0.00425399
374	387	FSTFKCYGVSP TKL	18.86	300	11	5.281	48.006	0.211	3	0.085	3.535	32.132	0.064	3	0.026	0.000304715
374	387	FSTFKCYGVSP TKL	18.86	3000	11	5.359	48.722	0.023	3	0.009	4.493	40.845	0.133	3	0.053	0.000942317
375	387	STFKCYGVSP TKL	17.72	300	10	5.132	51.32	0.241	3	0.097	3.696	36.961	0.094	3	0.038	0.000407794
375	387	STFKCYGVSP TKL	17.72	3000	10	5.22	52.201	0.026	3	0.011	4.581	45.81	0.036	3	0.014	1.10E-06
378	387	KCYGVSP TKL	13.89	300	7	4.13	59.001	0.194	3	0.078	3.444	49.2	0.143	3	0.058	0.000410683
378	387	KCYGVSP TKL	13.89	3000	7	4.071	58.161	0.018	3	0.007	4.047	57.817	0.054	3	0.022	0.185743
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.019	16.987	0.225	3	0.09	0.183182
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.327	22.119	0.047	3	0.019	0.151125
392	400	FTNVYADSF	19.28	300	7	0.92	13.139	0.054	3	0.022	0.75	10.718	0.025	3	0.01	0.00160654
392	400	FTNVYADSF	19.28	3000	7	1.217	17.381	0.1	3	0.04	1.191	17.021	0.131	3	0.053	0.549802

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.148	4.929	0.014	3	0.006	0.372578
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.238	7.927	0.035	3	0.014	0.994658
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.158	3.154	0.02	3	0.008	0.00298599
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.18	3.608	0.005	3	0.002	0.100214
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.24	4.002	0.073	3	0.029	0.0352528
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.279	4.655	0.02	3	0.008	4.86E-05
400	409	FVIRGDEV RQ	14.37	300	8	1.031	12.887	0.156	3	0.063	0.942	11.773	0.029	3	0.012	0.129095
400	409	FVIRGDEV RQ	14.37	3000	8	1.412	17.656	0.045	3	0.018	0.958	11.979	0.021	3	0.008	6.43E-05
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	3.653	20.296	0.125	3	0.05	0.00289186
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.37	24.278	0.066	3	0.027	0.000327863
400	421	FVIRGDEV RQ IAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	3.47	18.261	0.125	3	0.05	0.00397321
400	421	FVIRGDEV RQ IAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.232	22.273	0.259	3	0.104	0.00970195
400	422	FVIRGDEV RQ IAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	3.634	18.169	0.021	3	0.009	0.0135805
400	422	FVIRGDEV RQ IAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.35	21.748	0.106	3	0.043	7.45E-05
400	428	FVIRGDEV RQ IAPGQTGKIADYNYKL PDD	18.54	300	25	4.25	17.002	0.197	3	0.079	3.832	15.327	0.301	3	0.121	0.0109236
400	428	FVIRGDEV RQ IAPGQTGKIADYNYKL PDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	4.387	17.549	0.175	3	0.07	0.000470455
400	429	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDF	19.45	300	26	4.415	16.979	0.187	3	0.075	3.95	15.193	0.107	3	0.043	0.00208142
400	429	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDF	19.45	3000	26	5.14	19.768	0.148	3	0.059	4.658	17.916	0.031	3	0.012	0.00376694
400	431	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDFTG	19.14	300	28	4.895	17.48	0.135	3	0.054	4.479	15.997	0.057	3	0.023	0.00199888
400	431	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDFTG	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.225	18.659	0.215	2	0.024	0.00381865
400	441	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDFTG CVIAWNSNNL	20.8	300	38	7.503	19.746	0.135	3	0.054	6.439	16.946	0.369	3	0.149	0.00292717
400	441	FVIRGDEV RQ IAPGQTGKIADYNYKL PDDFTG CVIAWNSNNL	20.8	3000	38	8.009	21.076	0.415	3	0.167	7.555	19.881	0.257	3	0.104	0.022809
401	420	VIRGDEV RQ IAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	3.88	22.824	0.103	3	0.042	0.00124647
401	420	VIRGDEV RQ IAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	4.628	27.224	0.071	3	0.029	0.00016514
401	421	VIRGDEV RQ IAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	3.739	20.774	0.411	3	0.165	0.0335126
401	421	VIRGDEV RQ IAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.401	24.449	0.075	3	0.03	3.75E-05
401	422	VIRGDEV RQ IAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	3.866	20.348	0.074	3	0.03	0.00249077
401	422	VIRGDEV RQ IAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	4.642	24.429	0.035	3	0.014	0.00106865

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
401	431	VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	27	4.893	18.122	0.236	3	0.095	4.428	16.402	0.064	3	0.026	0.00970889
401	431	VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.122	18.97	0.172	3	0.069	0.00101739
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.325	30.226	0.194	3	0.078	0.00240176
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.097	37.241	0.118	3	0.048	0.0546443
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	2.934	24.447	0.124	3	0.05	0.00301327
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.636	30.304	0.074	3	0.03	0.00537917
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.106	23.893	0.187	3	0.075	0.00372112
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	3.84	29.537	0.047	3	0.019	0.00779807
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	21	4.106	19.552	0.292	3	0.118	3.615	17.213	0.141	3	0.057	0.00826323
407	431	VRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	21	4.543	21.633	0.116	3	0.047	4.227	20.13	0.164	3	0.066	0.00362946
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	2.916	24.3	0.147	3	0.059	0.00452145
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.653	30.441	0.046	3	0.018	0.00801672
421	428	YNYKLPDD	15.58	300	5	0.564	11.279	0.076	3	0.031	0.474	9.478	0.06	3	0.024	0.0179525
421	428	YNYKLPDD	15.58	3000	5	0.566	11.316	0.012	3	0.005	0.527	10.533	0.069	3	0.028	0.131028
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.475	18.441	0.068	3	0.027	0.160115
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.453	18.165	0.042	3	0.017	0.0122011
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.579	14.472	0.047	3	0.019	0.355929
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.573	14.314	0.067	3	0.027	0.565336
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.115	22.308	0.098	3	0.04	0.350694
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.111	22.23	0.032	3	0.013	0.0704255
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.502	21.462	0.08	3	0.032	0.396519
422	431	NYKLPDDFTG	18.08	3000	7	1.551	22.155	0.068	3	0.027	1.492	21.31	0.009	3	0.004	0.0616539
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.559	18.65	0.096	3	0.039	0.796905
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.56	18.678	0.007	3	0.003	0.877676
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.081	27.03	0.082	3	0.033	0.527216
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.064	26.596	0.025	3	0.01	0.175556
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.477	24.613	0.093	3	0.038	0.725609
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.467	24.455	0.086	3	0.035	0.271479

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.219	26.368	0.211	3	0.085	3.693	23.079	0.17	3	0.068	0.00135473
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	4.016	25.102	0.224	3	0.09	0.0451828
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	300	27	8.593	31.827	0.902	3	0.363	7.943	29.417	2.631	2	0.293	0.124611
423	452	YKLPDDFTGCVIAWNSNNLDSKVGGNYYL	21.19	3000	27	8.461	31.337	2.091	3	0.842	8.054	29.831	0.538	3	0.216	0.494032
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.379	29.733	0.14	3	0.056	0.000429016
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	2.798	34.975	0.09	3	0.036	0.0133848
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.378	49.281	0.441	3	0.177	7.593	44.666	0.216	3	0.087	0.00694652
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.66	50.94	0.302	3	0.122	8.13	47.821	0.382	3	0.154	0.0106874
442	451	DSKVGGNYYN	11.82	300	8	4.696	58.703	0.259	3	0.104	4.662	58.281	0.179	3	0.072	0.671627
442	451	DSKVGGNYYN	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.582	57.273	0.158	3	0.064	0.623537
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.746	52.731	0.242	3	0.097	0.626539
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.068	56.306	0.121	3	0.049	0.25275
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.344	54.296	0.181	3	0.073	0.594789
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.694	58.677	0.102	3	0.041	0.386578
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.495	49.936	0.191	3	0.077	0.394772
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	3.86	55.143	0.096	3	0.038	0.421139
449	452	YNYL	15.94	300	2	0.693	34.635	0.037	3	0.015	0.755	37.732	0.059	3	0.024	0.0263701
449	452	YNYL	15.94	3000	2	1.22	60.993	0.041	3	0.016	1.204	60.201	0.073	3	0.03	0.473905
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.214	17.343	0.104	3	0.042	0.0590501
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.635	23.354	0.009	3	0.004	0.00748416
453	467	YRLFRKSNLKPFFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.172	9.769	0.032	3	0.013	0.0348315
453	467	YRLFRKSNLKPFFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	1.99	16.579	0.058	3	0.023	0.0106453
453	469	YRLFRKSNLKPFFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.5	17.856	0.031	3	0.013	0.0123283
453	469	YRLFRKSNLKPFFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.373	24.096	0.106	3	0.043	0.00652305
453	470	YRLFRKSNLKPFFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	3.613	24.087	0.111	3	0.045	0.0146479
453	470	YRLFRKSNLKPFFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.321	28.804	0.083	3	0.033	3.11E-05
453	471	YRLFRKSNLKPFFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.568	22.299	0.094	3	0.038	0.0784982
453	471	YRLFRKSNLKPFFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.526	28.288	0.333	3	0.134	0.606444

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
453	472	YRLFRKSNLKPFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.686	27.562	0.209	3	0.084	0.231195
453	472	YRLFRKSNLKPFERDISTEI	18.94	3000	17	5.67	33.356	0.095	3	0.038	5.526	32.504	0.228	3	0.092	0.0964737
456	467	FRKSNLKPFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	1.025	11.388	0.04	3	0.016	0.119882
456	467	FRKSNLKPFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	1.808	20.086	0.017	3	0.007	8.47E-05
456	469	FRKSNLKPFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.255	20.5	0.043	3	0.017	0.0912204
456	469	FRKSNLKPFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.121	28.372	0.215	3	0.086	0.12981
456	470	FRKSNLKPFERDIST	14.92	300	12	2.94	24.501	0.11	3	0.044	2.858	23.815	0.084	3	0.034	0.0665802
456	470	FRKSNLKPFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.654	30.451	0.069	3	0.028	0.0084539
456	471	FRKSNLKPFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.363	25.87	0.085	3	0.034	0.114125
456	471	FRKSNLKPFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.207	32.358	0.067	3	0.027	0.0889833
456	472	FRKSNLKPFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	4.11	29.356	0.056	3	0.022	0.138287
456	472	FRKSNLKPFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	4.861	34.72	0.016	3	0.007	0.0158967
468	472	ISTEI	11.28	300	3	1.832	61.063	0.078	3	0.031	1.791	59.692	0.06	3	0.024	0.149703
468	472	ISTEI	11.28	3000	3	1.796	59.855	0.054	3	0.022	1.77	58.987	0.015	3	0.006	0.164462
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.736	52.617	0.191	3	0.077	0.883008
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.615	51.281	0.087	3	0.035	0.462218
471	486	EIQAGSTPCNGVEGF	18.83	300	13	6.437	49.512	0.37	3	0.149	6.347	48.82	0.32	3	0.129	0.473705
471	486	EIQAGSTPCNGVEGF	18.83	3000	13	6.312	48.558	0.1	3	0.04	6.216	47.816	0.228	3	0.092	0.203245
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.315	52.623	0.426	3	0.172	0.621418
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.169	51.409	0.122	3	0.049	0.0801534
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	7.098	54.601	0.323	3	0.13	7.003	53.871	0.587	3	0.236	0.584291
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.977	53.67	0.179	3	0.072	6.897	53.051	0.23	3	0.093	0.304448
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22.1	300	36	13.093	36.368	0.311	3	0.125	12.427	34.52	0.416	3	0.167	0.00660342
472	513	IYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22.1	3000	36	13.811	38.364	0.186	3	0.075	13.38	37.166	0.332	3	0.134	0.0148221
487	510	NCYFPLQSYGFQPTNGVGYQPYPYRV	20.84	300	19	7.532	39.645		1	0	6.855	36.079	0.637	2	0.071	1
487	510	NCYFPLQSYGFQPTNGVGYQPYPYRV	20.84	3000	19	8.33	43.845		1	0	7.815	41.132		1	0	
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	6.917	32.939	0.213	3	0.086	0.00054072
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	7.87	37.474	0.151	3	0.061	0.00114318

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
487	514	NCYFPLQSYGFQPTNGVGYQPVRVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	6.846	29.764	0.249	3	0.1	0.000729689
487	514	NCYFPLQSYGFQPTNGVGYQPVRVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	7.801	33.918	0.068	3	0.028	0.0174522
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	300	18	6.863	38.127	0.464	3	0.187	6.239	34.66	0.08	3	0.032	0.0257868
488	510	CYFPLQSYGFQPTNGVGYQPVRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	7.134	39.632	0.697	3	0.281	0.113112
488	512	CYFPLQSYGFQPTNGVGYQPVRVVV	21.08	300	20	7.008	35.04	0.302	3	0.122	6.302	31.511	0.109	3	0.044	0.00498236
488	512	CYFPLQSYGFQPTNGVGYQPVRVVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	7.312	36.558	0.24	3	0.097	0.0106632
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	5.712	28.561	0.202	3	0.081	0.000338
490	513	FPLQSYGFQPTNGVGYQPVRVVVL	20.96	3000	20	7.259	36.297	0.189	3	0.076	6.642	33.21	0.2	3	0.08	0.000651722
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	300	19	6.608	34.78	0.199	3	0.08	5.896	31.03	0.199	3	0.08	0.000403224
491	513	PLQSYGFQPTNGVGYQPVRVVVL	20.6	3000	19	6.99	36.789	0.002	3	0.001	6.474	34.073	0.455	3	0.183	0.0396015
495	510	YGFQPTNGVGYQPVRV	18.89	300	12	5.704	47.53	0.312	3	0.126	4.963	41.359	0.212	3	0.085	0.00184834
495	510	YGFQPTNGVGYQPVRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.104	42.53	0.157	3	0.063	0.000913148
495	512	YGFQPTNGVGYQPVRVVV	19.58	300	14	5.653	40.377	0.264	3	0.106	4.915	35.105	0.154	3	0.062	0.00138115
495	512	YGFQPTNGVGYQPVRVVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.073	36.236	0.125	3	0.05	0.00146014
495	513	YGFQPTNGVGYQPVRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	4.789	31.925	0.203	3	0.082	0.000676568
495	513	YGFQPTNGVGYQPVRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	4.899	32.662	0.05	3	0.02	9.64E-06
495	514	YGFQPTNGVGYQPVRVVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	4.861	30.384	0.173	3	0.07	0.0021205
495	514	YGFQPTNGVGYQPVRVVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	4.986	31.165	0.09	3	0.036	0.000215168
496	510	GFQPTNGVGYQPVRV	17.98	300	11	5.269	47.896	0.227	3	0.092	4.589	41.715	0.216	3	0.087	0.00074493
496	510	GFQPTNGVGYQPVRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	4.734	43.039	0.073	3	0.03	4.10E-05
496	512	GFQPTNGVGYQPVRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	4.468	34.366	0.138	3	0.056	0.000792627
496	512	GFQPTNGVGYQPVRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	4.684	36.027	0.057	3	0.023	0.000735528
496	513	GFQPTNGVGYQPVRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	4.358	31.127	0.164	3	0.066	0.000486302
496	513	GFQPTNGVGYQPVRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	4.505	32.181	0.107	3	0.043	0.000554753
497	512	FQPTNGVGYQPVRVVV	18.8	300	12	4.681	39.012	0.2	3	0.081	3.964	33.029	0.237	3	0.095	0.00065078
497	512	FQPTNGVGYQPVRVVV	18.8	3000	12	4.633	38.607	0.053	3	0.021	4.105	34.205	0.455	2	0.051	0.0254941
497	513	FQPTNGVGYQPVRVVVL	19.75	300	13	4.584	35.26	0.193	3	0.078	3.825	29.422		1	0	
497	513	FQPTNGVGYQPVRVVVL	19.75	3000	13	4.558	35.063	0.078	3	0.031	4.006	30.815		1	0	

Appendix Table A3 – Nb NM1228

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1228					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
503	512	VGYPYRVVV	17.89	300	7	1.378	19.688	0.131	3	0.053	0.808	11.541	0.024	3	0.01	0.00217759
503	512	VGYPYRVVV	17.89	3000	7	1.405	20.072	0.017	3	0.007	0.999	14.276	0.032	3	0.013	1.74E-05
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	0.777	9.707	0.049	3	0.02	0.000174054
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	0.897	11.211	0.339	3	0.136	0.0271095
503	514	VGYPYRVVLS	18.48	300	9	1.416	15.733	0.086	3	0.035	0.731	8.127	0.017	3	0.007	0.000580506
503	514	VGYPYRVVLS	18.48	3000	9	1.418	15.759	0.088	3	0.036	0.931	10.345	0.138	3	0.055	0.000533499
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.098	3.268	0.043	3	0.017	0.0303271
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.184	6.146	0.016	3	0.006	0.00546086
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.246	45.285	0.348	3	0.14	6.905	43.155	0.347	3	0.14	0.0406448
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	6.809	42.557	0.171	3	0.069	0.00681286
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.736	44.905	0.611	3	0.246	6.496	43.308	0.381	3	0.153	0.23847
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.66	44.397	0.184	3	0.074	6.397	42.645	0.196	3	0.079	0.0137585
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.46	46.141	0.388	3	0.156	0.82864
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.313	45.093	0.073	3	0.029	0.892906
517	533	LLHAPATVCGPKKSTNL	14.44	300	13	6.159	47.373	0.486	3	0.196	6.141	47.237	0.398	3	0.16	0.909616
517	533	LLHAPATVCGPKKSTNL	14.44	3000	13	5.982	46.012	0.159	3	0.064	6.03	46.385	0.119	3	0.048	0.357879

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
348	361	ASVYAWNRKRISNC	15.42	300	12	2.954	24.618	0.185	3	0.075	3.014	25.113	0.135	3	0.054	0.333573
348	361	ASVYAWNRKRISNC	15.42	3000	12	3.22	26.832	0.135	3	0.054	3.229	26.911	0.187	3	0.075	0.86875
351	361	YAWNRKRISNC	13.93	300	9	2.739	30.438	0.188	3	0.076	2.758	30.65	0.071	3	0.028	0.714526
351	361	YAWNRKRISNC	13.93	3000	9	2.978	33.093	0.075	3	0.03	2.956	32.839	0.246	3	0.099	0.733803
351	368	YAWNRKRISNCVADYSVL	19.38	300	16	7.718	48.237	0.286	3	0.115	7.632	47.702	0.258	3	0.104	0.393597
351	368	YAWNRKRISNCVADYSVL	19.38	3000	16	7.866	49.165	0.037	3	0.015	7.752	48.447	0.2	3	0.08	0.127063
369	374	YNSASF	12.72	300	4	2.625	65.613	0.103	3	0.041	2.625	65.628	0.098	3	0.039	0.986456
369	374	YNSASF	12.72	3000	4	2.574	64.347	0.074	3	0.03	2.601	65.035	0.105	3	0.042	0.413974
369	376	YNSASFST	12.7	300	6	4.067	67.791	0.177	3	0.071	4.099	68.312	0.197	3	0.079	0.639336
369	376	YNSASFST	12.7	3000	6	4.003	66.711	0.083	3	0.033	4.046	67.429	0.142	3	0.057	0.337738
369	387	YNSASFSTFKCYGVSPTKL	19.39	300	16	7.965	49.78	0.27	2	0.03	7.76	48.5	0.117	2	0.013	0.0360438
369	387	YNSASFSTFKCYGVSPTKL	19.39	3000	16	8.103	50.645	0.926	2	0.103	7.92	49.502		1	0	
374	387	FSTFKCYGVSPTKL	18.86	300	11	5.281	48.006	0.211	3	0.085	5.245	47.686	0.083	3	0.033	0.558432
374	387	FSTFKCYGVSPTKL	18.86	3000	11	5.359	48.722	0.023	3	0.009	5.35	48.633	0.171	3	0.069	0.828546
392	399	FTNVYADS	13.73	300	6	1.129	18.821	0.188	3	0.076	1.097	18.286	0.033	3	0.013	0.539829
392	399	FTNVYADS	13.73	3000	6	1.357	22.611	0.054	3	0.022	1.33	22.168	0.092	3	0.037	0.357382
396	400	YADSF	14.13	300	3	0.134	4.476	0.051	3	0.021	0.144	4.796	0.032	3	0.013	0.537897
396	400	YADSF	14.13	3000	3	0.238	7.93	0.034	3	0.014	0.231	7.696	0.042	3	0.017	0.604258
400	406	FVIRGDE	11.8	300	5	0.221	4.424	0.03	3	0.012	0.203	4.051	0.101	3	0.041	0.516859
400	406	FVIRGDE	11.8	3000	5	0.273	5.463	0.137	3	0.055	0.208	4.154	0.169	3	0.068	0.267763
400	407	FVIRGDEV	16.38	300	6	0.319	5.324	0.02	3	0.008	0.339	5.643	0.041	3	0.016	0.170489
400	407	FVIRGDEV	16.38	3000	6	0.643	10.725	0.039	3	0.016	0.588	9.8	0.048	3	0.019	0.0195902
400	409	FVIRGDEV RQ	14.37	300	8	1.031	12.887	0.156	3	0.063	0.996	12.455	0.069	3	0.028	0.453281
400	409	FVIRGDEV RQ	14.37	3000	8	1.412	17.656	0.045	3	0.018	1.294	16.181	0.184	3	0.074	0.102398
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	300	18	4.149	23.048	0.221	3	0.089	4.075	22.637	0.088	3	0.035	0.28449
400	420	FVIRGDEV RQ IAPGQTGKIAD	16.92	3000	18	4.915	27.304	0.119	3	0.048	4.775	26.526	0.219	3	0.088	0.0922659

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	300	19	3.98	20.948	0.242	3	0.097	3.843	20.225	0.098	3	0.039	0.12036
400	421	FVIRGDEVRQIAPGQTGKIADY	17.99	3000	19	4.728	24.886	0.076	3	0.03	4.536	23.873	0.209	3	0.084	0.0454352
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	300	20	4.144	20.72	0.263	3	0.106	4.1	20.502	0.265	3	0.107	0.64148
400	422	FVIRGDEVRQIAPGQTGKIADYN	17.55	3000	20	4.936	24.679	0.107	3	0.043	4.716	23.582	0.226	3	0.091	0.0356765
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	300	25	4.25	17.002	0.197	3	0.079	4.175	16.701	0.055	3	0.022	0.237903
400	428	FVIRGDEVRQIAPGQTGKIADYNYKLPDD	18.54	3000	25	4.978	19.91	0.131	3	0.053	4.842	19.367	0.169	3	0.068	0.0557755
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	300	26	4.415	16.979	0.187	3	0.075	4.345	16.712	0.14	3	0.056	0.2751
400	429	FVIRGDEVRQIAPGQTGKIADYNYKLPDDF	19.45	3000	26	5.14	19.768	0.148	3	0.059	5.041	19.39	0.215	3	0.086	0.189227
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	300	28	4.895	17.48	0.135	3	0.054	4.546	16.237	0.087	3	0.035	0.00151346
400	431	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	19.14	3000	28	5.63	20.107	0.165	3	0.066	5.177	18.49	0.481	3	0.193	0.0439395
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	300	38	7.503	19.746	0.135	3	0.054	7.078	18.627	0.115	3	0.046	0.000563253
400	441	FVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNL	20.8	3000	38	8.009	21.076	0.415	3	0.167	7.673	20.191	0.127	3	0.051	0.0625606
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	300	17	4.364	25.671	0.171	3	0.069	4.316	25.385	0.084	3	0.034	0.35573
401	420	VIRGDEVRQIAPGQTGKIAD	14.5	3000	17	5.111	30.063	0.103	3	0.041	5.035	29.617	0.169	3	0.068	0.190401
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	300	18	4.163	23.13	0.162	3	0.065	4.096	22.757	0.103	3	0.041	0.218876
401	421	VIRGDEVRQIAPGQTGKIADY	16.28	3000	18	4.896	27.202	0.076	3	0.031	4.802	26.676	0.168	3	0.067	0.120097
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	300	19	4.335	22.818	0.17	3	0.068	4.33	22.791	0.098	3	0.039	0.917555
401	422	VIRGDEVRQIAPGQTGKIADYN	15.6	3000	19	5.095	26.815	0.102	3	0.041	5.142	27.062	0.626	3	0.252	0.779642
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	300	27	4.893	18.122	0.236	3	0.095	4.795	17.758	0.16	3	0.064	0.22153
401	431	VIRGDEVRQIAPGQTGKIADYNYKLPDDFTG	18.72	3000	27	5.593	20.714	0.127	3	0.051	5.504	20.386	0.092	3	0.037	0.0786148
407	420	VRQIAPGQTGKIAD	8.81	300	11	3.751	34.104	0.186	3	0.075	3.793	34.48	0.175	3	0.071	0.524747
407	420	VRQIAPGQTGKIAD	8.81	3000	11	4.191	38.102	0.085	3	0.034	4.318	39.253	1.607	2	0.179	0.496248
407	421	VRQIAPGQTGKIADY	14.63	300	12	3.322	27.684	0.187	3	0.075	3.325	27.712	0.076	3	0.031	0.948109
407	421	VRQIAPGQTGKIADY	14.63	3000	12	3.786	31.552	0.088	3	0.035	3.781	31.506	0.189	3	0.076	0.917196
407	422	VRQIAPGQTGKIADYN	13.61	300	13	3.482	26.787	0.113	3	0.045	3.476	26.738	0.082	3	0.033	0.855894
407	422	VRQIAPGQTGKIADYN	13.61	3000	13	3.985	30.652	0.088	3	0.035	3.96	30.462	0.151	3	0.061	0.583459
408	421	RQIAPGQTGKIADY	14.08	300	11	3.021	27.463	0.119	3	0.048	2.898	26.347	0.066	3	0.026	0.0283419
408	421	RQIAPGQTGKIADY	14.08	3000	11	3.359	30.535	0.163	3	0.066	3.381	30.734	0.191	3	0.077	0.726869

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
408	422	RQIAPGQTGKIADYN	12.97	300	12	3.338	27.814	0.229	3	0.092	3.3	27.501	0.059	3	0.024	0.556743
408	422	RQIAPGQTGKIADYN	12.97	3000	12	3.745	31.208	0.061	3	0.025	3.685	30.708	0.129	3	0.052	0.171613
421	428	YNYKLPDD	15.58	300	5	0.564	11.279	0.076	3	0.031	0.577	11.538	0.021	3	0.008	0.545438
421	428	YNYKLPDD	15.58	3000	5	0.566	11.316	0.012	3	0.005	0.547	10.94	0.039	3	0.016	0.167841
421	431	YNYKLPDDFTG	18.73	300	8	1.531	19.134	0.113	3	0.045	1.485	18.561	0.246	2	0.027	0.255263
421	431	YNYKLPDDFTG	18.73	3000	8	1.539	19.242	0.064	3	0.026	1.479	18.487	0.074	3	0.03	0.0584569
422	428	NYKLPDD	13.14	300	4	0.615	15.365	0.128	3	0.052	0.602	15.056	0.02	3	0.008	0.719708
422	428	NYKLPDD	13.14	3000	4	0.56	14.004	0.051	3	0.021	0.587	14.674	0.058	3	0.024	0.213198
422	429	NYKLPDDF	18.76	300	5	1.147	22.931	0.079	3	0.032	1.142	22.845	0.024	3	0.01	0.841391
422	429	NYKLPDDF	18.76	3000	5	1.14	22.808	0.038	3	0.015	1.119	22.382	0.048	3	0.019	0.214658
422	431	NYKLPDDFTG	18.08	300	7	1.53	21.863	0.098	3	0.039	1.55	22.14	0.059	3	0.024	0.514301
422	431	NYKLPDDFTG	18.08	3000	7	1.551	22.155	0.068	3	0.027	1.547	22.095	0.069	3	0.028	0.86027
423	428	YKLPDD	12.83	300	3	0.566	18.874	0.031	3	0.013	0.601	20.035	0.142	3	0.057	0.402137
423	428	YKLPDD	12.83	3000	3	0.563	18.767	0.065	3	0.026	0.581	19.355	0.074	3	0.03	0.484087
423	429	YKLPDDF	18.7	300	4	1.1	27.507	0.086	3	0.035	1.108	27.708	0.053	3	0.021	0.752506
423	429	YKLPDDF	18.7	3000	4	1.082	27.06	0.039	3	0.016	1.088	27.208	0.073	3	0.029	0.77726
423	431	YKLPDDFTG	17.96	300	6	1.49	24.829	0.114	3	0.046	1.524	25.392	0.037	3	0.015	0.331667
423	431	YKLPDDFTG	17.96	3000	6	1.497	24.958	0.043	3	0.017	1.527	25.445	0.116	3	0.047	0.396861
423	441	YKLPDDFTGCVIAWNSNNL	21.18	300	16	4.222	26.386	0.206	3	0.083	3.648	22.8	0.043	3	0.017	0.00522585
423	441	YKLPDDFTGCVIAWNSNNL	21.18	3000	16	4.234	26.461	0.058	3	0.023	3.738	23.362	0.123	3	0.049	0.000750284
432	441	CVIAWNSNNL	19.52	300	8	2.864	35.801	0.135	3	0.054	2.371	29.633	0.154	3	0.062	0.000529174
432	441	CVIAWNSNNL	19.52	3000	8	2.914	36.43	0.072	3	0.029	2.431	30.385	0.147	3	0.059	0.00121991
434	452	IAWNSNNLDSKVGGNYYL	19.68	300	17	8.378	49.281	0.441	3	0.177	6.844	40.258	0.954	3	0.384	0.00981286
434	452	IAWNSNNLDSKVGGNYYL	19.68	3000	17	8.66	50.94	0.302	3	0.122	7.987	46.982	0.5	3	0.201	0.0126497
441	452	LDSKVGGNYYL	17.71	300	10	5.004	50.04	0.224	3	0.09	4.54	45.398	0.13	3	0.052	0.00354193
441	452	LDSKVGGNYYL	17.71	3000	10	5.315	53.151	0.061	3	0.025	5.263	52.628	0.101	3	0.041	0.143881
442	451	DSKVGGNYY	11.82	300	8	4.696	58.703	0.259	3	0.104	3.89	48.631	0.107	3	0.043	0.00198885
442	451	DSKVGGNYY	11.82	3000	8	4.606	57.572	0.108	3	0.044	4.576	57.198	0.286	3	0.115	0.706024

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
442	452	DSKVGGNYYL	16.87	300	9	4.784	53.158	0.199	3	0.08	4.441	49.341	0.168	3	0.068	0.00519051
442	452	DSKVGGNYYL	16.87	3000	9	5.115	56.832	0.089	3	0.036	5.087	56.527	0.171	3	0.069	0.583469
443	452	SKVGGNYYL	16.65	300	8	4.378	54.724	0.18	3	0.072	4.162	52.024	0.175	3	0.07	0.020778
443	452	SKVGGNYYL	16.65	3000	8	4.722	59.029	0.067	3	0.027	4.694	58.678	0.189	3	0.076	0.596455
444	452	KVGGNYYL	16.52	300	7	3.564	50.917	0.242	3	0.098	3.309	47.274	0.186	3	0.075	0.0255383
444	452	KVGGNYYL	16.52	3000	7	3.884	55.481	0.056	3	0.022	3.846	54.944	0.102	3	0.041	0.255907
453	461	YRLFRKSNL	15.26	300	7	1.314	18.77	0.125	3	0.05	1.263	18.05	0.061	3	0.025	0.219318
453	461	YRLFRKSNL	15.26	3000	7	1.757	25.098	0.05	3	0.02	1.717	24.528	0.16	3	0.064	0.398613
453	467	YRLFRKSNLKPFFERD	16.22	300	12	1.291	10.756	0.11	3	0.044	1.227	10.225	0.172	3	0.069	0.261096
453	467	YRLFRKSNLKPFFERD	16.22	3000	12	2.121	17.677	0.093	3	0.037	1.978	16.483	0.11	3	0.044	0.0136616
453	469	YRLFRKSNLKPFFERDIS	17.31	300	14	2.627	18.761	0.081	3	0.032	2.526	18.041	0.089	3	0.036	0.0231123
453	469	YRLFRKSNLKPFFERDIS	17.31	3000	14	3.545	25.325	0.071	3	0.029	3.391	24.218	0.125	3	0.05	0.01693
453	470	YRLFRKSNLKPFFERDIST	17.26	300	15	4.102	27.348	0.321	3	0.129	4.044	26.961	0.117	3	0.047	0.526219
453	470	YRLFRKSNLKPFFERDIST	17.26	3000	15	4.873	32.489	0.075	3	0.03	4.745	31.636	0.244	3	0.098	0.143314
453	471	YRLFRKSNLKPFFERDISTE	17.4	300	16	3.715	23.216	0.211	3	0.085	3.6	22.503	0.127	3	0.051	0.132424
453	471	YRLFRKSNLKPFFERDISTE	17.4	3000	16	4.573	28.583	0.074	3	0.03	4.414	27.588	0.178	3	0.072	0.0455762
453	472	YRLFRKSNLKPFFERDISTEI	18.94	300	17	4.773	28.077	0.16	3	0.065	4.592	27.01	0.2	3	0.081	0.0407774
453	472	YRLFRKSNLKPFFERDISTEI	18.94	3000	17	5.652	33.247	0.115	3	0.046	5.395	31.736	0.103	3	0.041	0.00212468
456	467	FRKSNLKPFFERD	12.09	300	9	1.1	12.227	0.13	3	0.052	1.099	12.212	0.068	3	0.027	0.971216
456	467	FRKSNLKPFFERD	12.09	3000	9	1.955	21.724	0.025	3	0.01	1.877	20.859	0.216	3	0.087	0.260972
456	469	FRKSNLKPFFERDIS	14.84	300	11	2.357	21.427	0.151	3	0.061	2.358	21.44	0.198	3	0.08	0.980742
456	469	FRKSNLKPFFERDIS	14.84	3000	11	3.238	29.433	0.096	3	0.039	3.145	28.591	0.117	3	0.047	0.0605098
456	470	FRKSNLKPFFERDIST	14.92	300	12	2.994	24.951	0.195	3	0.079	2.936	24.466	0.083	3	0.033	0.331191
456	470	FRKSNLKPFFERDIST	14.92	3000	12	3.81	31.746	0.103	3	0.042	3.715	30.955	0.123	3	0.049	0.0655615
456	471	FRKSNLKPFFERDISTE	15.11	300	13	3.427	26.361	0.105	3	0.042	3.224	24.8	0.147	3	0.059	0.0107322
456	471	FRKSNLKPFFERDISTE	15.11	3000	13	4.327	33.287	0.181	3	0.073	4.031	31.009	0.152	3	0.061	0.00624508
456	472	FRKSNLKPFFERDISTEI	17.88	300	14	4.18	29.859	0.134	3	0.054	4.121	29.436	0.191	3	0.077	0.342769
456	472	FRKSNLKPFFERDISTEI	17.88	3000	14	4.913	35.094	0.038	3	0.015	4.84	34.571	0.16	3	0.064	0.181984

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
462	470	KPFERDIST	8.06	300	7	2.986	42.65	0.098	3	0.039	2.866	40.949	0.398	3	0.16	0.326243
462	470	KPFERDIST	8.06	3000	7	3.035	43.364	0.119	3	0.048	2.986	42.661	0.556	3	0.224	0.742653
471	482	EIQAGSTPCNG	12.21	300	9	4.75	52.773	0.328	3	0.132	4.625	51.393	0.302	3	0.122	0.297232
471	482	EIQAGSTPCNG	12.21	3000	9	4.639	51.549	0.094	3	0.038	4.721	52.454	0.461	3	0.186	0.529371
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22	300	37	13.548	36.616	0.293	3	0.118	12.588	34.022	0.457	3	0.184	0.00297257
471	513	EIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYPYRVVVL	22	3000	37	14.365	38.826	0.672	3	0.271	13.289	35.915	0.759	3	0.306	0.0106276
472	486	IYQAGSTPCNGVEGF	18.5	300	12	6.387	53.222	0.391	3	0.158	6.483	54.027	0.344	3	0.138	0.470287
472	486	IYQAGSTPCNGVEGF	18.5	3000	12	6.258	52.148	0.108	3	0.044	6.339	52.825	0.309	3	0.124	0.378166
472	487	IYQAGSTPCNGVEGFN	17.44	300	13	7.098	54.601	0.323	3	0.13	7.086	54.51	0.298	3	0.12	0.914188
472	487	IYQAGSTPCNGVEGFN	17.44	3000	13	6.977	53.67	0.179	3	0.072	6.952	53.475	0.377	3	0.152	0.810812
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	300	21	7.627	36.318	0.215	3	0.086	7.202	34.298	0.568	3	0.229	0.0702157
487	512	NCYFPLQSYGFQPTNGVGYQPYPYRVVV	21.13	3000	21	8.396	39.983	0.071	3	0.029	7.713	36.728	0.175	3	0.071	0.00113908
487	514	NCYFPLQSYGFQPTNGVGYQPYPYRVVLS	21.27	300	23	7.59	33.001	0.233	3	0.094	6.781	29.481	0.294	3	0.118	0.000942699
487	514	NCYFPLQSYGFQPTNGVGYQPYPYRVVLS	21.27	3000	23	8.306	36.115	0.32	3	0.129	7.239	31.472	0.156	3	0.063	0.00118397
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	300	18	6.863	38.127	0.464	3	0.187	6.5	36.108	0.292	3	0.117	0.0567161
488	510	CYFPLQSYGFQPTNGVGYQPYPYRV	20.8	3000	18	7.573	42.074	0.006	3	0.002	6.657	36.986	0.244	3	0.098	0.00379812
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVV	21.08	300	20	7.008	35.04	0.302	3	0.122	6.579	32.896	0.043	3	0.017	0.0238024
488	512	CYFPLQSYGFQPTNGVGYQPYPYRVV	21.08	3000	20	7.753	38.763	0.071	3	0.028	6.853	34.263	0.239	3	0.096	0.00201291
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	300	20	6.471	32.357	0.204	3	0.082	6.028	30.141	0.425	3	0.171	0.0294113
490	513	FPLQSYGFQPTNGVGYQPYPYRVVVL	20.96	3000	20	7.259	36.297	0.189	3	0.076	6.08	30.398	0.365	3	0.147	0.00113505
495	510	YGFQPTNGVGYQPYPYRV	18.89	300	12	5.704	47.53	0.312	3	0.126	5.675	47.292	0.288	3	0.116	0.786557
495	510	YGFQPTNGVGYQPYPYRV	18.89	3000	12	5.623	46.859	0.088	3	0.035	5.583	46.528	0.204	3	0.082	0.502958
495	512	YGFQPTNGVGYQPYPYRVV	19.58	300	14	5.653	40.377	0.264	3	0.106	5.646	40.328	0.343	3	0.138	0.949438
495	512	YGFQPTNGVGYQPYPYRVV	19.58	3000	14	5.572	39.8	0.042	3	0.017	5.528	39.488	0.265	3	0.107	0.553441
495	513	YGFQPTNGVGYQPYPYRVVVL	20.34	300	15	5.46	36.402	0.221	3	0.089	5.457	36.377	0.263	3	0.106	0.965876
495	513	YGFQPTNGVGYQPYPYRVVVL	20.34	3000	15	5.389	35.924	0.054	3	0.022	5.368	35.788	0.183	3	0.074	0.686042
495	514	YGFQPTNGVGYQPYPYRVVLS	19.78	300	16	5.54	34.624	0.284	3	0.114	5.517	34.48	0.239	3	0.096	0.803784
495	514	YGFQPTNGVGYQPYPYRVVLS	19.78	3000	16	5.479	34.245	0.118	3	0.048	5.438	33.985	0.212	3	0.085	0.51237

Appendix Table A3 – Nb NM1230

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	RBD					RBD + Nb NM1230					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
496	510	GFQPTNGVGYQPYRV	17.98	300	11	5.269	47.896	0.227	3	0.092	5.34	48.545	0.255	3	0.103	0.420334
496	510	GFQPTNGVGYQPYRV	17.98	3000	11	5.201	47.278	0.059	3	0.024	5.29	48.088	1.382	2	0.154	0.561058
496	512	GFQPTNGVGYQPYRVVV	19.02	300	13	5.214	40.108	0.229	3	0.092	5.111	39.317	0.144	3	0.058	0.190282
496	512	GFQPTNGVGYQPYRVVV	19.02	3000	13	5.15	39.617	0.005	3	0.002	5.077	39.057	0.242	3	0.098	0.325267
496	513	GFQPTNGVGYQPYRVVVL	19.86	300	14	5.101	36.434	0.221	3	0.089	5.005	35.749	0.187	3	0.075	0.228703
496	513	GFQPTNGVGYQPYRVVVL	19.86	3000	14	5.036	35.972	0.045	3	0.018	4.958	35.415	0.17	3	0.069	0.181227
497	510	FQPTNGVGYQPYRV	17.43	300	10	4.683	46.83	0.273	3	0.11	4.764	47.644	0.174	3	0.07	0.350631
497	510	FQPTNGVGYQPYRV	17.43	3000	10	4.585	45.846	0.028	3	0.011	4.689	46.892	0.467	3	0.188	0.437061
497	512	FQPTNGVGYQPYRVVV	18.8	300	12	4.681	39.012	0.2	3	0.081	4.567	38.061	0.107	3	0.043	0.11727
497	512	FQPTNGVGYQPYRVVV	18.8	3000	12	4.633	38.607	0.053	3	0.021	4.512	37.603	0.179	3	0.072	0.0905896
497	513	FQPTNGVGYQPYRVVVL	19.75	300	13	4.584	35.26	0.193	3	0.078	4.53	34.85	0.276	3	0.111	0.537078
497	513	FQPTNGVGYQPYRVVVL	19.75	3000	13	4.558	35.063	0.078	3	0.031	4.456	34.276	0.216	3	0.087	0.169181
503	512	VGYPYRVVV	17.89	300	7	1.423	20.333	0.028	3	0.011	1.425	20.355	0.045	3	0.018	0.903609
503	512	VGYPYRVVV	17.89	3000	7	1.408	20.114	0.005	3	0.002	1.406	20.081	0.031	3	0.013	0.783077
503	513	VGYPYRVVVL	19.35	300	8	1.37	17.122	0.096	3	0.039	1.366	17.076	0.016	3	0.007	0.884626
503	513	VGYPYRVVVL	19.35	3000	8	1.363	17.041	0.017	3	0.007	1.355	16.942	0.09	3	0.036	0.742828
503	514	VGYPYRVVVL	18.48	300	9	1.416	15.733	0.086	3	0.035	1.44	15.995	0.103	3	0.042	0.493703
503	514	VGYPYRVVVL	18.48	3000	9	1.418	15.759	0.088	3	0.036	1.407	15.632	0.105	3	0.042	0.740144
511	515	VVLSF	19	300	3	0.047	1.559	0.01	3	0.004	0.136	4.523	0.024	3	0.01	0.0013858
511	515	VVLSF	19	3000	3	0.38	12.675	0.073	3	0.029	0.442	14.731	0.008	3	0.003	0.0655523
514	533	SFELLHAPATVCGPKKSTNL	18.39	300	16	7.246	45.285	0.348	3	0.14	7.095	44.341	0.391	3	0.157	0.282823
514	533	SFELLHAPATVCGPKKSTNL	18.39	3000	16	7.08	44.247	0.127	3	0.051	6.949	43.429	0.43	3	0.173	0.319935
515	533	FELLHAPATVCGPKKSTNL	18.07	300	15	6.736	44.905	0.611	3	0.246	6.703	44.685	0.361	3	0.145	0.853408
515	533	FELLHAPATVCGPKKSTNL	18.07	3000	15	6.66	44.397	0.184	3	0.074	6.565	43.768	0.502	3	0.202	0.5122
516	533	ELLHAPATVCGPKKSTNL	15.5	300	14	6.494	46.389	0.512	3	0.206	6.54	46.715	0.156	3	0.063	0.743979
516	533	ELLHAPATVCGPKKSTNL	15.5	3000	14	6.32	45.14	0.177	3	0.071	6.338	45.275	0.223	3	0.09	0.790115

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic						Conf Interval (#D)	#Pts	Stddev
			RT [min]	Deut Time (sec)	maxD	#D	%D				
1	14	EEELQVIQPKSVL	19.29	30	11	4.251	38.644	0.924	2	0.103	
1	14	EEELQVIQPKSVL	19.29	300	11	4.959	45.086	0.518	2	0.058	
1	14	EEELQVIQPKSVL	19.29	1800	11	4.955	45.048	0.808	2	0.09	
1	14	EEELQVIQPKSVL	19.29	30000	11	5.919	53.812	1.192	2	0.133	
4	14	LQVIQPKSVL	18.26	30	8	3.022	37.776	0.239	2	0.027	
4	14	LQVIQPKSVL	18.26	300	8	3.779	47.239	0.499	2	0.056	
4	14	LQVIQPKSVL	18.26	1800	8	3.756	46.944	0.269	2	0.03	
4	14	LQVIQPKSVL	18.26	30000	8	4.8	60.005	0.962	2	0.107	
5	14	QVIQPKSVL	15.48	30	7	2.863	40.894	0.394	2	0.044	
5	14	QVIQPKSVL	15.48	300	7	3.021	43.158	0.241	2	0.027	
5	14	QVIQPKSVL	15.48	1800	7	3.033	43.331	0.679	2	0.076	
5	14	QVIQPKSVL	15.48	30000	7	4.034	57.634	0.688	2	0.077	
6	14	VIQPKSVL	15.59	30	6	2.848	47.471	0.44	2	0.049	
6	14	VIQPKSVL	15.59	300	6	3.027	50.449	0.338	2	0.038	
6	14	VIQPKSVL	15.59	1800	6	2.988	49.798	0.66	2	0.073	
6	14	VIQPKSVL	15.59	30000	6	3.601	60.023	0.808	2	0.09	
15	25	VAAGETATLRC	13.53	30	9	1.742	19.351	0.605	2	0.067	
15	25	VAAGETATLRC	13.53	300	9	3.077	34.189	0.361	2	0.04	
15	25	VAAGETATLRC	13.53	1800	9	3.822	42.465	0.444	2	0.049	
15	25	VAAGETATLRC	13.53	30000	9	4.754	52.82	0.779	2	0.087	
15	47	VAAGETATLRC TATS LIPVGPIQWFRGAGPGRE	21.24	30	28	5.257	18.775	5.161	2	0.574	
15	47	VAAGETATLRC TATS LIPVGPIQWFRGAGPGRE	21.24	300	28	8.205	29.305	0.093	2	0.01	
15	47	VAAGETATLRC TATS LIPVGPIQWFRGAGPGRE	21.24	1800	28	9.622	34.365	1.832	2	0.204	
15	47	VAAGETATLRC TATS LIPVGPIQWFRGAGPGRE	21.24	30000	28	11.432	40.83	3.463	2	0.385	
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	30	20	4.421	22.103	2.057	2	0.229	
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	300	20	6.267	31.336	0.819	2	0.091	
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	1800	20	7.193	35.966	1.61	2	0.179	
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	30000	20	7.839	39.196		1	0	
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	30	17	4.503	26.489	1.291	2	0.144	
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	300	17	5.966	35.093	0.461	2	0.051	
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	1800	17	6.901	40.595	0.945	2	0.105	
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	30000	17	7.464	43.907		1	0	
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	30	15	4.094	27.294	0.961	2	0.107	
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	300	15	5.021	33.472	0.759	2	0.085	

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPa Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	1800	15	5.775	38.502	0.321	2	0.036
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	30000	15	6.336	42.243		1	0
29	47	SLIPVGPIQWFRGAGPGRE	21.14	30	14	3.511	25.08	0.419	2	0.047
29	47	SLIPVGPIQWFRGAGPGRE	21.14	300	14	4.418	31.559	0.459	2	0.051
29	47	SLIPVGPIQWFRGAGPGRE	21.14	1800	14	5.124	36.602	0.457	2	0.051
29	47	SLIPVGPIQWFRGAGPGRE	21.14	30000	14	5.812	41.514		1	0
31	47	IPVGPIQWFRGAGPGRE	20.4	30	13	3.279	25.225	0.239	2	0.027
31	47	IPVGPIQWFRGAGPGRE	20.4	300	13	3.732	28.711	0.079	2	0.009
31	47	IPVGPIQWFRGAGPGRE	20.4	1800	13	4.402	33.862	0.118	2	0.013
31	47	IPVGPIQWFRGAGPGRE	20.4	30000	13	4.957	38.133	0.865	2	0.096
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	30	24	6.122	25.509	3.41	2	0.38
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	300	24	7.036	29.316	0.76	2	0.085
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	1800	24	7.731	32.214	1.099	2	0.122
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	30000	24	9.16	38.168	0.437	2	0.049
48	62	LIYNQKEGHFPRVTT	16.64	30	12	3.017	25.141	1.261	2	0.14
48	62	LIYNQKEGHFPRVTT	16.64	300	12	3.445	28.707	0.617	2	0.069
48	62	LIYNQKEGHFPRVTT	16.64	1800	12	3.912	32.602	0.119	2	0.013
48	62	LIYNQKEGHFPRVTT	16.64	30000	12	5.129	42.741	1.224	2	0.136
48	65	LIYNQKEGHFPRVTTVSD	16.99	30	15	3.713	24.752	1.007	2	0.112
48	65	LIYNQKEGHFPRVTTVSD	16.99	300	15	4.658	31.056	0.392	2	0.044
48	65	LIYNQKEGHFPRVTTVSD	16.99	1800	15	5.094	33.958	0.04	2	0.004
48	65	LIYNQKEGHFPRVTTVSD	16.99	30000	15	6.225	41.503	1.171	2	0.13
48	66	LIYNQKEGHFPRVTTVSDL	18.64	30	16	3.918	24.49	1.722	2	0.192
48	66	LIYNQKEGHFPRVTTVSDL	18.64	300	16	4.681	29.257	0.425	2	0.047
48	66	LIYNQKEGHFPRVTTVSDL	18.64	1800	16	5.208	32.55	0.156	2	0.017
48	66	LIYNQKEGHFPRVTTVSDL	18.64	30000	16	6.028	37.675	0.747	2	0.083
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	30	23	6.797	29.552	0.667	2	0.074
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	300	23	7.524	32.712	0.799	2	0.089
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	1800	23	7.954	34.583	1.011	2	0.112
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	30000	23	8.73	37.958	1.241	2	0.138
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	30	24	6.372	26.55	1.516	2	0.169
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	300	24	7.157	29.822	1.037	2	0.115
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	1800	24	7.564	31.517	1.074	2	0.12
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	30000	24	8.528	35.535	1.188	2	0.132
58	66	PRVTTVSDL	15.4	30	7	2.675	38.216	0.491	2	0.055
58	66	PRVTTVSDL	15.4	300	7	3.48	49.712	0.283	2	0.032

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
58	66	PRVTTVSDL	15.4	1800	7	3.737	53.382	0.297	2	0.033
58	66	PRVTTVSDL	15.4	30000	7	4.457	63.669	0.463	2	0.052
63	74	VSDLTKRNNMDF	16.58	30	10	3.996	39.963	0.373	2	0.041
63	74	VSDLTKRNNMDF	16.58	300	10	4.148	41.485	0.872	2	0.097
63	74	VSDLTKRNNMDF	16.58	1800	10	4.02	40.198	0.783	2	0.087
63	74	VSDLTKRNNMDF	16.58	30000	10	4.319	43.192	1.03	2	0.115
63	75	VSDLTKRNNMDFS	15.53	30	11	4.231	38.464	0.197	2	0.022
63	75	VSDLTKRNNMDFS	15.53	300	11	4.49	40.819	0.872	2	0.097
63	75	VSDLTKRNNMDFS	15.53	1800	11	4.708	42.796	0.762	2	0.085
63	75	VSDLTKRNNMDFS	15.53	30000	11	5.088	46.252	0.933	2	0.104
66	74	LTKRNNMDF	13.6	30	7	2.215	31.648	0.098	2	0.011
66	74	LTKRNNMDF	13.6	300	7	2.353	33.614	0.374	2	0.042
66	74	LTKRNNMDF	13.6	1800	7	2.246	32.085	0.911	2	0.101
66	74	LTKRNNMDF	13.6	30000	7	2.557	36.529	0.816	2	0.091
67	74	TKRNNMDF	11.2	30	6	1.737	28.943	0.23	2	0.026
67	74	TKRNNMDF	11.2	300	6	1.909	31.812	0.519	2	0.058
67	74	TKRNNMDF	11.2	1800	6	1.74	28.992	1.12	2	0.125
67	74	TKRNNMDF	11.2	30000	6	2.084	34.725	0.944	2	0.105
67	75	TKRNNMDFS	7.46	30	7	2.246	32.086	0.386	2	0.043
67	75	TKRNNMDFS	7.46	300	7	2.658	37.971	0.387	2	0.043
67	75	TKRNNMDFS	7.46	1800	7	2.824	40.344	1.503	2	0.167
67	75	TKRNNMDFS	7.46	30000	7	3.235	46.213	1.53	2	0.17
74	88	FSIRIGDITPADAGT	19.54	30	12	1.582	13.183	0.553	2	0.062
74	88	FSIRIGDITPADAGT	19.54	300	12	2.194	18.286	0.093	2	0.01
74	88	FSIRIGDITPADAGT	19.54	1800	12	2.446	20.383	0.555	2	0.062
74	88	FSIRIGDITPADAGT	19.54	30000	12	3.154	26.281	0.278	2	0.031
75	88	SIRIGDITPADAGT	17.19	30	11	1.723	15.659	0.386	2	0.043
75	88	SIRIGDITPADAGT	17.19	300	11	2.437	22.152	0.03	2	0.003
75	88	SIRIGDITPADAGT	17.19	1800	11	2.666	24.237	0.561	2	0.062
75	88	SIRIGDITPADAGT	17.19	30000	11	3.466	31.513	0.337	2	0.038
76	88	IRIGDITPADAGT	16.88	30	10	1.714	17.136	0.171	2	0.019
76	88	IRIGDITPADAGT	16.88	300	10	2.402	24.024	0.134	2	0.015
76	88	IRIGDITPADAGT	16.88	1800	10	2.659	26.594	0.597	2	0.066
76	88	IRIGDITPADAGT	16.88	30000	10	3.428	34.275	0.594	2	0.066
89	104	YYCVKFRKGSPPDVEF	18.99	30	13	1.211	9.313	0.906	2	0.101
89	104	YYCVKFRKGSPPDVEF	18.99	300	13	2.137	16.442	0.14	2	0.016

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
89	104	YYCVKFRKGGSPDDVEF	18.99	1800	13	2.956	22.735	0.443	2	0.049
89	104	YYCVKFRKGGSPDDVEF	18.99	30000	13	3.58	27.536	0.333	2	0.037
91	104	CVKFRKGGSPDDVEF	17.01	30	11	1.35	12.274	0.326	2	0.036
91	104	CVKFRKGGSPDDVEF	17.01	300	11	2.343	21.302	0.435	2	0.048
91	104	CVKFRKGGSPDDVEF	17.01	1800	11	3.177	28.879	0.206	2	0.023
91	104	CVKFRKGGSPDDVEF	17.01	30000	11	3.935	35.772	1.277	2	0.142
104	112	FKSGAGTEL	12.68	30	7	1.107	15.818	0.239	2	0.027
104	112	FKSGAGTEL	12.68	300	7	1.572	22.459	0.095	2	0.011
104	112	FKSGAGTEL	12.68	1800	7	1.748	24.973	0.648	2	0.072
104	112	FKSGAGTEL	12.68	30000	7	2.345	33.494	0.473	2	0.053
104	114	FKSGAGTELSV	16.17	30	9	1.225	13.616	0.249	2	0.028
104	114	FKSGAGTELSV	16.17	300	9	2.217	24.63	0.189	2	0.021
104	114	FKSGAGTELSV	16.17	1800	9	2.8	31.116	0.576	2	0.064
104	114	FKSGAGTELSV	16.17	30000	9	3.59	39.89	0.865	2	0.096
105	112	KSGAGTEL	3.6	30	6	0.916	15.273	0.298	2	0.033
105	112	KSGAGTEL	3.6	300	6	1.385	23.088	0.273	2	0.03
105	112	KSGAGTEL	3.6	1800	6	1.618	26.971	0.196	2	0.022
105	112	KSGAGTEL	3.6	30000	6	2.26	37.667	0.337	2	0.037
105	114	KSGAGTELSV	12.89	30	8	0.823	10.288	0.516	2	0.057
105	114	KSGAGTELSV	12.89	300	8	1.766	22.076	0.301	2	0.034
105	114	KSGAGTELSV	12.89	1800	8	2.283	28.538	0.68	2	0.076
105	114	KSGAGTELSV	12.89	30000	8	3.098	38.729	0.43	2	0.048
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	30	19	7.646	40.239	2.349	2	0.261
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	300	19	9.261	48.742	0.605	2	0.067
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	1800	19	10.299	54.207	1.661	2	0.185
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	30000	19	11.828	62.252	2.15	2	0.239
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	30	20	7.02	35.1	0.825	2	0.092
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	300	20	8.24	41.2	0.374	2	0.042
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	1800	20	9.303	46.513	1.264	2	0.141
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	30000	20	10.677	53.387	1.397	2	0.156
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	30	33	7.11	21.546	6.672	2	0.743
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	300	33	9.046	27.413	0.78	2	0.087
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	1800	33	10.481	31.761	2.783	2	0.31
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	30000	33	12.659	38.361		1	0
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	30	17	6.93	40.765	2.062	2	0.229
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	300	17	8.325	48.971	1.915	2	0.213

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPa Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	1800	17	9.187	54.041	1.56	2	0.174
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	30000	17	10.85	63.825	4.339	2	0.483
138	149	FTCESHGFSPRD	15.42	30	9	1.15	12.776	0.693	2	0.077
138	149	FTCESHGFSPRD	15.42	300	9	1.423	15.809	0.182	2	0.02
138	149	FTCESHGFSPRD	15.42	1800	9	1.48	16.45	0.478	2	0.053
138	149	FTCESHGFSPRD	15.42	30000	9	2.184	24.272	0.529	2	0.059
138	152	FTCESHGFSPRDITL	19.78	30	12	1.862	15.514	1.234	2	0.137
138	152	FTCESHGFSPRDITL	19.78	300	12	2.703	22.524	0.12	2	0.013
138	152	FTCESHGFSPRDITL	19.78	1800	12	2.992	24.934	0.013	2	0.001
138	152	FTCESHGFSPRDITL	19.78	30000	12	3.771	31.426	0.881	2	0.098
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	30	22	3.482	15.828	1.827	2	0.203
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	300	22	4.348	19.763	0.819	2	0.091
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	1800	22	4.872	22.145	1.443	2	0.161
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	30000	22	6.617	30.08	0.531	2	0.059
150	160	ITLKWFKNGNE	19.21	30	9	1.499	16.655	0.351	2	0.039
150	160	ITLKWFKNGNE	19.21	300	9	1.609	17.874	0.242	2	0.027
150	160	ITLKWFKNGNE	19.21	1800	9	1.636	18.175	0.16	2	0.018
150	160	ITLKWFKNGNE	19.21	30000	9	2.162	24.025	0.634	2	0.071
150	161	ITLKWFKNGNEL	20.05	30	10	1.398	13.978	1.072	2	0.119
150	161	ITLKWFKNGNEL	20.05	300	10	1.462	14.622	0.431	2	0.048
150	161	ITLKWFKNGNEL	20.05	1800	10	1.734	17.343	0.482	2	0.054
150	161	ITLKWFKNGNEL	20.05	30000	10	2.673	26.728	0.453	2	0.05
150	163	ITLKWFKNGNELSD	19.56	30	12	2.276	18.97	0.642	2	0.071
150	163	ITLKWFKNGNELSD	19.56	300	12	2.398	19.981	0.15	2	0.017
150	163	ITLKWFKNGNELSD	19.56	1800	12	2.597	21.638	0.05	2	0.006
150	163	ITLKWFKNGNELSD	19.56	30000	12	3.613	30.109	0.926	2	0.103
150	164	ITLKWFKNGNELSDF	20.74	30	13	2.355	18.114	1.093	2	0.122
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.44	18.77	0.178	2	0.02
150	164	ITLKWFKNGNELSDF	20.74	1800	13	2.785	21.422	0.567	2	0.063
150	164	ITLKWFKNGNELSDF	20.74	30000	13	3.594	27.643	0.617	2	0.069
152	163	LKWFKNGNELSD	18.17	30	10	1.845	18.452	0.119	2	0.013
152	163	LKWFKNGNELSD	18.17	300	10	2.023	20.233	0.11	2	0.012
152	163	LKWFKNGNELSD	18.17	1800	10	2.158	21.585	0.011	2	0.001
152	163	LKWFKNGNELSD	18.17	30000	10	3.117	31.167	1.023	2	0.114
152	164	LKWFKNGNELSDF	20.17	30	11	1.853	16.841	0.366	2	0.041
152	164	LKWFKNGNELSDF	20.17	300	11	1.958	17.797	0.165	2	0.018

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
152	164	LKWFKNGNELSDF	20.17	1800	11	2.21	20.089	0.844	2	0.094
152	164	LKWFKNGNELSDF	20.17	30000	11	2.963	26.941	0.307	2	0.034
153	161	KWFKNGNEL	17.1	30	7	0.871	12.448	0.013	2	0.001
153	161	KWFKNGNEL	17.1	300	7	1.026	14.661	0.203	2	0.023
153	161	KWFKNGNEL	17.1	1800	7	1.11	15.856	0.323	2	0.036
153	161	KWFKNGNEL	17.1	30000	7	1.686	24.091	0.819	2	0.091
153	163	KWFKNGNELSD	15.89	30	9	1.794	19.929	0.421	2	0.047
153	163	KWFKNGNELSD	15.89	300	9	1.981	22.013	0.343	2	0.038
153	163	KWFKNGNELSD	15.89	1800	9	2.03	22.555	0.566	2	0.063
153	163	KWFKNGNELSD	15.89	30000	9	2.72	30.219	0.805	2	0.09
153	164	KWFKNGNELSDF	19.44	30	10	1.852	18.519	0.16	2	0.018
153	164	KWFKNGNELSDF	19.44	300	10	1.991	19.909	0.188	2	0.021
153	164	KWFKNGNELSDF	19.44	1800	10	2.111	21.108	0.034	2	0.004
153	164	KWFKNGNELSDF	19.44	30000	10	2.663	26.63	0.509	2	0.057
155	163	FKNGNELSD	6.09	30	7	2.606	37.222	0.057	2	0.006
155	163	FKNGNELSD	6.09	300	7	3.052	43.604	0.595	2	0.066
155	163	FKNGNELSD	6.09	1800	7	2.976	42.509	1.23	2	0.137
155	163	FKNGNELSD	6.09	30000	7	3.627	51.821	1.228	2	0.137
164	173	FQTNVDPVGE	15.84	30	7	2.839	40.558	0.923	2	0.103
164	173	FQTNVDPVGE	15.84	300	7	3.07	43.86	0.36	2	0.04
164	173	FQTNVDPVGE	15.84	1800	7	3.154	45.056	1.21	2	0.135
164	173	FQTNVDPVGE	15.84	30000	7	3.222	46.022	1.388	2	0.155
164	174	FQTNVDPVGES	15.57	30	8	3.736	46.702	0.587	2	0.065
164	174	FQTNVDPVGES	15.57	300	8	4.108	51.35	0.353	2	0.039
164	174	FQTNVDPVGES	15.57	1800	8	4.258	53.224	0.725	2	0.081
164	174	FQTNVDPVGES	15.57	30000	8	4.375	54.689	0.847	2	0.094
164	176	FQTNVDPVGESVS	16.73	30	10	5.001	50.007	0.368	2	0.041
164	176	FQTNVDPVGESVS	16.73	300	10	5.395	53.954	0.609	2	0.068
164	176	FQTNVDPVGESVS	16.73	1800	10	5.531	55.313	1.059	2	0.118
164	176	FQTNVDPVGESVS	16.73	30000	10	5.674	56.743	1.114	2	0.124
164	177	FQTNVDPVGESVSY	18.66	30	11	4.689	42.628	0.663	2	0.074
164	177	FQTNVDPVGESVSY	18.66	300	11	5.277	47.977	0.519	2	0.058
164	177	FQTNVDPVGESVSY	18.66	1800	11	5.591	50.831	1.328	2	0.148
164	177	FQTNVDPVGESVSY	18.66	30000	11	5.748	52.25	1.642	2	0.183
164	183	FQTNVDPVGESVSYHSTA	19.05	30	17	5.169	30.408	0.231	2	0.026
164	183	FQTNVDPVGESVSYHSTA	19.05	300	17	5.793	34.079	0.011	2	0.001

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
164	183	FQTNVDPVGESVSYSIHSTA	19.05	1800	17	6.453	37.956	0.377	2	0.042
164	183	FQTNVDPVGESVSYSIHSTA	19.05	30000	17	6.922	40.719	1.486	2	0.165
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	30	21	5.754	27.4	2.697	2	0.3
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	300	21	7.034	33.494	0.459	2	0.051
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	1800	21	8.08	38.477	1.385	2	0.154
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	30000	21	9.286	44.218	1.153	2	0.128
165	174	QTNVDPVGES	7.07	30	7	3.433	49.048	0.41	2	0.046
165	174	QTNVDPVGES	7.07	300	7	3.823	54.616	0.41	2	0.046
165	174	QTNVDPVGES	7.07	1800	7	3.945	56.362	1.168	2	0.13
165	174	QTNVDPVGES	7.07	30000	7	4.11	58.712	1.217	2	0.135
165	176	QTNVDPVGESVS	13.71	30	9	4.218	46.867	0.575	2	0.064
165	176	QTNVDPVGESVS	13.71	300	9	4.535	50.393	0.51	2	0.057
165	176	QTNVDPVGESVS	13.71	1800	9	4.647	51.636	1.009	2	0.112
165	176	QTNVDPVGESVS	13.71	30000	9	4.764	52.93	1.117	2	0.124
165	177	QTNVDPVGESVSY	17.17	30	10	4.192	41.917	0.792	2	0.088
165	177	QTNVDPVGESVSY	17.17	300	10	4.722	47.22	0.101	2	0.011
165	177	QTNVDPVGESVSY	17.17	1800	10	5.11	51.103	0.885	2	0.098
165	177	QTNVDPVGESVSY	17.17	30000	10	5.246	52.462	1.133	2	0.126
165	183	QTNVDPVGESVSYSIHSTA	18.32	30	16	4.85	30.31	0.514	2	0.057
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.535	34.596	0.68	2	0.076
165	183	QTNVDPVGESVSYSIHSTA	18.32	1800	16	6.12	38.252	0.86	2	0.096
165	183	QTNVDPVGESVSYSIHSTA	18.32	30000	16	6.884	43.025	1.319	2	0.147
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	30	20	5.446	27.23	2.164	2	0.241
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.676	33.379	0.252	2	0.028
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	1800	20	7.514	37.57	1.41	2	0.157
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	30000	20	8.95	44.748	1.115	2	0.124
175	183	VSYSIHSTA	12.57	30	7	0.639	9.126	0.443	2	0.049
175	183	VSYSIHSTA	12.57	300	7	1.233	17.62	0.119	2	0.013
175	183	VSYSIHSTA	12.57	1800	7	1.673	23.906	0.392	2	0.044
175	183	VSYSIHSTA	12.57	30000	7	2.438	34.832	0.525	2	0.058
175	187	VSYSIHSTAKVVL	17.59	30	11	1.384	12.581	0.047	2	0.005
175	187	VSYSIHSTAKVVL	17.59	300	11	2.341	21.28	0.859	2	0.096
175	187	VSYSIHSTAKVVL	17.59	1800	11	2.982	27.106	0.267	2	0.03
175	187	VSYSIHSTAKVVL	17.59	30000	11	4.143	37.667	0.695	2	0.077
177	187	YSIHSTAKVVL	16.72	30	9	1.082	12.022	0.257	2	0.029
177	187	YSIHSTAKVVL	16.72	300	9	1.717	19.081	0.037	2	0.004

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
177	187	YSIHSTAKVVV	16.72	1800	9	1.982	22.021	0.055	2	0.006
177	187	YSIHSTAKVVV	16.72	30000	9	2.64	29.331	0.435	2	0.048
178	187	SIHSTAKVVV	13.67	30	8	1.026	12.828	0.367	2	0.041
178	187	SIHSTAKVVV	13.67	300	8	1.633	20.413	0.078	2	0.009
178	187	SIHSTAKVVV	13.67	1800	8	1.928	24.099	0.364	2	0.041
178	187	SIHSTAKVVV	13.67	30000	8	2.526	31.569	0.379	2	0.042
179	187	IHSTAKVVV	13.75	30	7	0.89	12.717	0.342	2	0.038
179	187	IHSTAKVVV	13.75	300	7	1.42	20.288	0.028	2	0.003
179	187	IHSTAKVVV	13.75	1800	7	1.665	23.783	0.178	2	0.02
179	187	IHSTAKVVV	13.75	30000	7	2.177	31.102	0.43	2	0.048
188	199	TREDVHSQVICE	11.82	30	10	1.218	12.182	0.449	2	0.05
188	199	TREDVHSQVICE	11.82	300	10	1.496	14.965	0.254	2	0.028
188	199	TREDVHSQVICE	11.82	1800	10	1.811	18.107	0.606	2	0.067
188	199	TREDVHSQVICE	11.82	30000	10	2.324	23.236	0.816	2	0.091
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	30	29	6.416	22.126	1.029	2	0.114
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	300	29	8.446	29.125	0.989	2	0.11
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	1800	29	9.472	32.661	2.438	2	0.271
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	30000	29	10.829	37.341	2.204	2	0.245
200	205	VAHVTL	13.3	30	4	1.307	32.664	0.155	2	0.017
200	205	VAHVTL	13.3	300	4	2.356	58.909	0.314	2	0.035
200	205	VAHVTL	13.3	1800	4	2.323	58.079	0.21	2	0.023
200	205	VAHVTL	13.3	30000	4	2.345	58.634	0.127	2	0.014
200	216	VAHVTLQGDPLRGTANL	18.57	30	14	4.147	29.618	0.048	2	0.005
200	216	VAHVTLQGDPLRGTANL	18.57	300	14	5.718	40.842	0.638	2	0.071
200	216	VAHVTLQGDPLRGTANL	18.57	1800	14	6.303	45.023	0.322	2	0.036
200	216	VAHVTLQGDPLRGTANL	18.57	30000	14	6.6	47.146	1.203	2	0.134
200	219	VAHVTLQGDPLRGTADLSET	18.13	30	17	5.938	34.932	0.676	2	0.075
200	219	VAHVTLQGDPLRGTADLSET	18.13	300	17	7.707	45.333	0.753	2	0.084
200	219	VAHVTLQGDPLRGTADLSET	18.13	1800	17	8.494	49.967	1.364	2	0.152
200	219	VAHVTLQGDPLRGTADLSET	18.13	30000	17	9.344	54.965	1.241	2	0.138
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	30	22	6.358	28.9	0.733	2	0.082
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	300	22	8.471	38.504	0.9	2	0.1
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	1800	22	9.367	42.579	0.986	2	0.11
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	30000	22	10.416	47.347	1.963	2	0.219
201	205	AHVTL	13.38	30	3	1.08	35.991	0.506	2	0.056
201	205	AHVTL	13.38	300	3	1.894	63.132	0.184	2	0.02

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
201	205	AHVTL	13.38	1800	3	1.847	61.555	0.49	2	0.055
201	205	AHVTL	13.38	30000	3	1.895	63.151	0.121	2	0.013
202	219	HVTLQGDPLRGADLSET	18.07	30	15	4.571	30.475	0.577	2	0.064
202	219	HVTLQGDPLRGADLSET	18.07	300	15	6.202	41.345	0.372	2	0.041
202	219	HVTLQGDPLRGADLSET	18.07	1800	15	6.983	46.551	1.237	2	0.138
202	219	HVTLQGDPLRGADLSET	18.07	30000	15	7.753	51.685	1.01	2	0.112
206	216	QGDPLRGANL	16.55	30	8	1.831	22.891	0.187	2	0.021
206	216	QGDPLRGANL	16.55	300	8	2.343	29.284	0.02	2	0.002
206	216	QGDPLRGANL	16.55	1800	8	2.895	36.183	0.421	2	0.047
206	216	QGDPLRGANL	16.55	30000	8	3.171	39.644	1.161	2	0.129
206	219	QGDPLRGADLSET	16.13	30	11	2.398	21.796	0.24	2	0.027
206	219	QGDPLRGADLSET	16.13	300	11	2.96	26.906	0.085	2	0.009
206	219	QGDPLRGADLSET	16.13	1800	11	3.777	34.34	0.905	2	0.101
206	219	QGDPLRGADLSET	16.13	30000	11	4.596	41.777	0.875	2	0.097
217	226	SETIRVPPTL	17.59	30	6	0.997	16.617	0.407	2	0.045
217	226	SETIRVPPTL	17.59	300	6	1.322	22.033	0.118	2	0.013
217	226	SETIRVPPTL	17.59	1800	6	1.764	29.407	0.177	2	0.02
217	226	SETIRVPPTL	17.59	30000	6	2.263	37.725	0.42	2	0.047
217	227	SETIRVPPTLE	17.16	30	7	0.996	14.232	0.566	2	0.063
217	227	SETIRVPPTLE	17.16	300	7	1.354	19.35	0.203	2	0.023
217	227	SETIRVPPTLE	17.16	1800	7	1.803	25.763	0.004	2	0
217	227	SETIRVPPTLE	17.16	30000	7	2.412	34.456	0.127	2	0.014
219	226	TIRVPPTL	16.83	30	4	0.924	23.102	0.105	2	0.012
219	226	TIRVPPTL	16.83	300	4	1.224	30.605	0.174	2	0.019
219	226	TIRVPPTL	16.83	1800	4	1.536	38.394	0.122	2	0.014
219	226	TIRVPPTL	16.83	30000	4	1.611	40.263	0.241	2	0.027
220	226	IRVPPTL	16.04	30	3	0.815	27.18	0.571	2	0.064
220	226	IRVPPTL	16.04	300	3	1.181	39.353	0.007	2	0.001
220	226	IRVPPTL	16.04	1800	3	1.497	49.91	0.264	2	0.029
220	226	IRVPPTL	16.04	30000	3	1.525	50.838	0.231	2	0.026
220	227	IRVPPTLE	15.46	30	4	0.867	21.669	0.232	2	0.026
220	227	IRVPPTLE	15.46	300	4	1.191	29.781	0.248	2	0.028
220	227	IRVPPTLE	15.46	1800	4	1.458	36.459	0.222	2	0.025
220	227	IRVPPTLE	15.46	30000	4	1.63	40.759	0.318	2	0.035
222	226	VPPTL	16.11	30	2	0.458	22.878	0.07	2	0.008
222	226	VPPTL	16.11	300	2	0.628	31.383	0.116	2	0.013

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic								
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev	
222	226	VPPTL	16.11	1800	2	0.73	36.502	0.297	2	0.033	
222	226	VPPTL	16.11	30000	2	0.727	36.369	0.064	2	0.007	
223	226	PPTL	16.15	30	2	0.349	17.462	0.295	2	0.033	
223	226	PPTL	16.15	300	2	0.502	25.12	0.004	2	0	
223	226	PPTL	16.15	1800	2	0.604	30.204	0.111	2	0.012	
223	226	PPTL	16.15	30000	2	0.62	31.017	0.179	2	0.02	
227	244	EVTQQPVRAENQVDVTCQ	14.76	30	15	5.542	36.944	0.553	2	0.062	
227	244	EVTQQPVRAENQVDVTCQ	14.76	300	15	6.776	45.175	0.779	2	0.087	
227	244	EVTQQPVRAENQVDVTCQ	14.76	1800	15	7.404	49.358	1.487	2	0.166	
227	244	EVTQQPVRAENQVDVTCQ	14.76	30000	15	7.905	52.702	0.918	2	0.102	
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	30	25	6.987	27.947	3.611	2	0.402	
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	300	25	8.887	35.548	0.891	2	0.099	
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	1800	25	10.239	40.956	1.143	2	0.127	
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	30000	25	11.182	44.728	1.149	2	0.128	
245	255	VRKFYPQRLQL	18	30	8	2.398	29.973	0.763	2	0.085	
245	255	VRKFYPQRLQL	18	300	8	2.906	36.322	0.03	2	0.003	
245	255	VRKFYPQRLQL	18	1800	8	3.097	38.715	0.23	2	0.026	
245	255	VRKFYPQRLQL	18	30000	8	3.544	44.298	0.603	2	0.067	
256	271	TWLENGDVSRTETAST	17.04	30	14	6.511	46.505	0.881	2	0.098	
256	271	TWLENGDVSRTETAST	17.04	300	14	6.873	49.095	0.783	2	0.087	
256	271	TWLENGDVSRTETAST	17.04	1800	14	6.832	48.801	1.48	2	0.165	
256	271	TWLENGDVSRTETAST	17.04	30000	14	6.895	49.247	1.562	2	0.174	
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	30	25	8.226	32.904	1.991	2	0.222	
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	300	25	9.169	36.675	1.345	2	0.15	
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	1800	25	9.607	38.43	0.561	2	0.062	
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	30000	25	10.132	40.528	2.202	2	0.245	
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	30	29	7.896	27.227	4.595	2	0.511	
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	300	29	8.584	29.599	1.15	2	0.128	
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	1800	29	9.583	33.044	3.496	2	0.389	
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	30000	29	9.685	33.397	4.03	2	0.448	
269	282	ASTVTENKDGTYNW	18.1	30	12	3.731	31.093	0.269	2	0.03	
269	282	ASTVTENKDGTYNW	18.1	300	12	4.59	38.254	0.186	2	0.021	
269	282	ASTVTENKDGTYNW	18.1	1800	12	4.623	38.523	1.013	2	0.113	
269	282	ASTVTENKDGTYNW	18.1	30000	12	5.454	45.449	0.904	2	0.101	
269	286	ASTVTENKDGTYNWMSWL	22.41	30	16	3.535	22.094	2.154	2	0.24	
269	286	ASTVTENKDGTYNWMSWL	22.41	300	16	4.389	27.429	0.26	2	0.029	

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPa Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
269	286	ASTVTENKDGTYNWMSWL	22.41	1800	16	4.817	30.106	0.258	2	0.029
269	286	ASTVTENKDGTYNWMSWL	22.41	30000	16	5.226	32.663	0.5	2	0.056
270	282	STVTENKDGTYNW	18	30	11	3.198	29.073	0.364	2	0.04
270	282	STVTENKDGTYNW	18	300	11	4.044	36.761	0.634	2	0.071
270	282	STVTENKDGTYNW	18	1800	11	4.068	36.982	1.042	2	0.116
270	282	STVTENKDGTYNW	18	30000	11	4.901	44.554	0.838	2	0.093
270	286	STVTENKDGTYNWMSWL	22.44	30	15	3.268	21.787	2.94	2	0.327
270	286	STVTENKDGTYNWMSWL	22.44	300	15	3.998	26.652	0.069	2	0.008
270	286	STVTENKDGTYNWMSWL	22.44	1800	15	4.493	29.951	0.869	2	0.097
270	286	STVTENKDGTYNWMSWL	22.44	30000	15	4.87	32.469	0.407	2	0.045
272	282	VTENKDGTYNW	17.74	30	9	1.678	18.642	0.61	2	0.068
272	282	VTENKDGTYNW	17.74	300	9	2.494	27.714	0.27	2	0.03
272	282	VTENKDGTYNW	17.74	1800	9	2.537	28.191	0.506	2	0.056
272	282	VTENKDGTYNW	17.74	30000	9	3.383	37.593	0.964	2	0.107
272	283	VTENKDGTYNWM	19.48	30	10	2.053	20.535	0.851	2	0.095
272	283	VTENKDGTYNWM	19.48	300	10	2.879	28.793	0.334	2	0.037
272	283	VTENKDGTYNWM	19.48	1800	10	2.944	29.439	0.658	2	0.073
272	283	VTENKDGTYNWM	19.48	30000	10	3.73	37.297	0.983	2	0.109
272	285	VTENKDGTYNWMSW	21.49	30	12	2.161	18.007	1.724	2	0.192
272	285	VTENKDGTYNWMSW	21.49	300	12	3.194	26.621	0.032	2	0.004
272	285	VTENKDGTYNWMSW	21.49	1800	12	3.376	28.135	0.515	2	0.057
272	285	VTENKDGTYNWMSW	21.49	30000	12	4.12	34.335	0.661	2	0.074
272	286	VTENKDGTYNWMSWL	22.49	30	13	1.832	14.089	1.637	2	0.182
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.559	19.688	0.024	2	0.003
272	286	VTENKDGTYNWMSWL	22.49	1800	13	2.857	21.978	1.238	2	0.138
272	286	VTENKDGTYNWMSWL	22.49	30000	13	3.355	25.811	0.153	2	0.017
272	287	VTENKDGTYNWMSWLL	23.08	30	14	1.838	13.131	2.59	2	0.288
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.008	21.486	0.16	2	0.018
272	287	VTENKDGTYNWMSWLL	23.08	1800	14	3.484	24.884	1.351	2	0.15
272	287	VTENKDGTYNWMSWLL	23.08	30000	14	3.878	27.697	0.811	2	0.09
275	282	NKDGTYNW	16.96	30	6	0.493	8.215	0.396	2	0.044
275	282	NKDGTYNW	16.96	300	6	0.784	13.062	0.11	2	0.012
275	282	NKDGTYNW	16.96	1800	6	0.828	13.802	0.11	2	0.012
275	282	NKDGTYNW	16.96	30000	6	1.519	25.314	0.337	2	0.038
275	286	NKDGTYNWMSWL	22.6	30	10	1.299	12.987	1.143	2	0.127
275	286	NKDGTYNWMSWL	22.6	300	10	1.919	19.191	0.466	2	0.052

Appendix Table A4 – SIRPα intrinsic deuteration

Start	End	Sequence	SIRPα Kinetic							
			RT [min]	Deut Time (sec)	maxD	#D	%D	Conf Interval (#D)	#Pts	Stddev
275	286	NKDGTYNWMSWL	22.6	1800	10	1.912	19.118	1.399	2	0.156
275	286	NKDGTYNWMSWL	22.6	30000	10	2.408	24.085	0.337	2	0.037
281	285	NWMSW	21.67	30	3	0.927	30.89	0.056	2	0.006
281	285	NWMSW	21.67	300	3	1.512	50.401	0.299	2	0.033
281	285	NWMSW	21.67	1800	3	1.422	47.392	0.069	2	0.008
281	285	NWMSW	21.67	30000	3	1.518	50.584	0.452	2	0.05
281	286	NWMSWL	22.9	30	4	1.043	26.086	0.353	2	0.039
281	286	NWMSWL	22.9	300	4	1.608	40.203	0.321	2	0.036
281	286	NWMSWL	22.9	1800	4	1.586	39.658	0.094	2	0.011
281	286	NWMSWL	22.9	30000	4	1.626	40.66	0.078	2	0.009
283	287	MSWLL	22.05	30	3	0.493	16.439	0.403	2	0.045
283	287	MSWLL	22.05	300	3	1.368	45.611	0.135	2	0.015
283	287	MSWLL	22.05	1800	3	1.502	50.076	0.463	2	0.051
283	287	MSWLL	22.05	30000	3	1.483	49.428	0.567	2	0.063
286	292	LLVNVSA	17.3	30	5	2.634	52.676	0.403	2	0.045
286	292	LLVNVSA	17.3	300	5	2.783	55.668	0.311	2	0.035
286	292	LLVNVSA	17.3	1800	5	2.659	53.189	0.42	2	0.047
286	292	LLVNVSA	17.3	30000	5	2.747	54.942	0.592	2	0.066
287	292	LVNVSA	8.3	30	4	2.627	65.687	0.568	2	0.063
287	292	LVNVSA	8.3	300	4	2.733	68.329	0.384	2	0.043
287	292	LVNVSA	8.3	1800	4	2.614	65.34	0.622	2	0.069
287	292	LVNVSA	8.3	30000	4	2.657	66.432	0.624	2	0.069
287	299	LVNVSAHRDDVKL	15.26	30	11	2.964	26.946	0.173	2	0.019
287	299	LVNVSAHRDDVKL	15.26	300	11	3.775	34.319	0.447	2	0.05
287	299	LVNVSAHRDDVKL	15.26	1800	11	3.943	35.847	0.365	2	0.041
287	299	LVNVSAHRDDVKL	15.26	30000	11	3.989	36.263	0.532	2	0.059

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
1	14	EEELQVIQPKSVL	19.29	300	11	4.927	44.795	0.128	3	0.052	4.813	43.757	0.239	3	0.096	0.165939
1	14	EEELQVIQPKSVL	19.29	1800	11	4.894	44.491	0.307	3	0.124	4.906	44.603	0.104	4	0.065	0.885367
4	14	LQVIQPKSVL	18.26	300	8	3.723	46.544	0.099	3	0.04	3.699	46.233	0.157	3	0.063	0.600293
4	14	LQVIQPKSVL	18.26	1800	8	3.701	46.264	0.196	3	0.079	3.775	47.184	0.07	4	0.044	0.243674
5	14	QVIQPKSVL	15.48	300	7	2.98	42.578	0.08	3	0.032	2.954	42.203	0.139	3	0.056	0.528877
5	14	QVIQPKSVL	15.48	1800	7	2.999	42.837	0.2	3	0.08	3.057	43.67	0.057	4	0.036	0.336863
6	14	VIQPKSVL	15.59	300	6	2.976	49.604	0.077	3	0.031	2.954	49.233	0.165	3	0.066	0.637839
6	14	VIQPKSVL	15.59	1800	6	2.96	49.326	0.208	3	0.084	3.029	50.491	0.07	4	0.044	0.284243
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	300	20	6.267	31.334	0.193	3	0.078	5.868	29.34	0.505	3	0.203	0.0619138
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	1800	20	6.949	34.745	0.38	3	0.153	6.71	33.552	0.131	4	0.082	0.0953907
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	300	17	6.099	35.875	0.09	2	0.01	5.715	33.616	0.337	3	0.136	0.0381453
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	1800	17	6.603	38.844	2.079	2	0.231	6.454	37.966	0.181	4	0.114	0.522548
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	300	15	5.048	33.652	1.428	2	0.159	4.807	32.05	0.088	3	0.036	0.269358
28	47	TSLIPVGPIQWFRGAGPGRE	21.16	1800	15	5.685	37.902	0.594	3	0.239	5.573	37.154	0.127	4	0.08	0.50598
29	47	SLIPVGPIQWFRGAGPGRE	21.14	300	14	4.355	31.109	0.223	3	0.09	4.211	30.077	0.151	3	0.061	0.0916347
29	47	SLIPVGPIQWFRGAGPGRE	21.14	1800	14	5.016	35.827	0.339	3	0.136	4.969	35.49	0.107	4	0.067	0.623713
31	47	IPVGPIQWFRGAGPGRE	20.4	300	13	3.738	28.754	0.074	3	0.03	3.554	27.338	0.181	3	0.073	0.0341171
31	47	IPVGPIQWFRGAGPGRE	20.4	1800	13	4.331	33.317	0.271	3	0.109	4.264	32.804	0.089	4	0.056	0.409208
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	300	24	7.409	30.869	0.222	3	0.089	6.618	27.575	0.565	3	0.227	0.0162004
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	1800	24	7.663	31.928	0.528	3	0.213	7.184	29.932	0.243	4	0.153	0.0361211
48	62	LIYNQKEGHFPRVTT	16.64	300	12	3.473	28.941	0.104	3	0.042	3.252	27.102	0.211	3	0.085	0.0287634
48	62	LIYNQKEGHFPRVTT	16.64	1800	12	3.853	32.112	0.254	3	0.102	3.728	31.068	0.079	4	0.049	0.155344
48	65	LIYNQKEGHFPRVTTVSD	16.99	300	15	4.709	31.396	0.146	3	0.059	4.374	29.157	0.261	3	0.105	0.0153316
48	65	LIYNQKEGHFPRVTTVSD	16.99	1800	15	5.028	33.522	0.331	3	0.133	4.857	32.381	0.084	4	0.053	0.144993
48	66	LIYNQKEGHFPRVTTVSDL	18.64	300	16	4.869	30.431	0.124	3	0.05	4.359	27.241	0.219	3	0.088	0.00257626
48	66	LIYNQKEGHFPRVTTVSDL	18.64	1800	16	5.107	31.918	0.436	3	0.176	4.735	29.592	0.095	4	0.06	0.0566593

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	300	23	7.689	33.432	0.274	3	0.11	7.075	30.759	0.371	3	0.149	0.00586375
48	73	LIYNQKEGHFPRVTTVSDLTKRNNMD	17.97	1800	23	7.772	33.79	0.682	3	0.275	7.433	32.318	0.199	4	0.125	0.154039
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	300	24	7.381	30.754	0.184	3	0.074	6.758	28.157	0.434	3	0.175	0.0142408
48	74	LIYNQKEGHFPRVTTVSDLTKRNNMDF	19.06	1800	24	7.446	31.026	0.55	3	0.221	7.086	29.523	0.163	4	0.102	0.0898946
58	66	PRVTTVSDL	15.4	300	7	3.432	49.032	0.072	3	0.029	3.386	48.378	0.107	3	0.043	0.212581
58	66	PRVTTVSDL	15.4	1800	7	3.711	53.01	0.166	3	0.067	3.763	53.763	0.059	4	0.037	0.308191
63	66	VSDL	4.32	300	2	1.208	60.413	0.03	3	0.012	1.166	58.304	0.046	3	0.018	0.036934
63	66	VSDL	4.32	1800	2	1.136	56.819	0.092	3	0.037	1.161	58.056	0.028	4	0.018	0.372235
63	74	VSDLTKRNNMDF	16.58	300	10	4.086	40.86	0.14	3	0.056	4.076	40.757	0.152	3	0.061	0.841178
63	74	VSDLTKRNNMDF	16.58	1800	10	3.98	39.8	0.23	3	0.093	4.083	40.828	0.079	4	0.05	0.183423
63	75	VSDLTKRNNMDFS	15.53	300	11	4.441	40.369	0.193	3	0.078	4.419	40.168	0.268	3	0.108	0.789425
63	75	VSDLTKRNNMDFS	15.53	1800	11	4.662	42.383	0.245	3	0.099	4.733	43.025	0.076	4	0.048	0.344863
66	74	LTKRNNMDF	13.6	300	7	2.33	33.285	0.084	3	0.034	2.256	32.228	0.144	3	0.058	0.145935
66	74	LTKRNNMDF	13.6	1800	7	2.229	31.844	0.192	3	0.077	2.28	32.578	0.051	4	0.032	0.3723
67	74	TKRNNMDF	11.2	300	6	1.816	30.26	0.128	3	0.051	1.809	30.153	0.091	3	0.037	0.86905
67	74	TKRNNMDF	11.2	1800	6	1.735	28.913	0.22	3	0.089	1.797	29.957	0.056	4	0.035	0.345944
67	75	TKRNNMDFS	7.46	300	7	2.588	36.966	0.214	3	0.086	2.513	35.905	0.21	3	0.084	0.346463
67	75	TKRNNMDFS	7.46	1800	7	2.803	40.042	0.308	3	0.124	2.874	41.057	0.05	4	0.031	0.426114
74	88	FSIRIGDITPADAGT	19.54	300	12	2.188	18.236	0.095	3	0.038	2.086	17.384	0.125	3	0.05	0.0528926
74	88	FSIRIGDITPADAGT	19.54	1800	12	2.425	20.208	0.135	3	0.055	2.347	19.558	0.05	4	0.031	0.113513
75	88	SIRIGDITPADAGT	17.19	300	11	2.4	21.818	0.051	3	0.021	2.359	21.449	0.083	3	0.033	0.160711
75	88	SIRIGDITPADAGT	17.19	1800	11	2.656	24.147	0.118	3	0.047	2.671	24.279	0.066	4	0.041	0.693164
76	88	IRIGDITPADAGT	16.88	300	10	2.366	23.659	0.063	3	0.025	2.321	23.211	0.108	3	0.044	0.215309
76	88	IRIGDITPADAGT	16.88	1800	10	2.636	26.361	0.162	3	0.065	2.654	26.54	0.048	4	0.03	0.692753
89	104	YYCVKFRKGPDDVEF	18.99	300	13	2.125	16.345	0.124	3	0.05	1.886	14.508	0.06	3	0.024	0.00565538
89	104	YYCVKFRKGPDDVEF	18.99	1800	13	2.92	22.46	0.177	3	0.071	2.8	21.539	0.112	4	0.07	0.08478
91	104	CVKFRKGPDDVEF	17.01	300	11	2.392	21.749	0.151	3	0.061	2.209	20.079	0.076	3	0.031	0.018959
91	104	CVKFRKGPDDVEF	17.01	1800	11	3.175	28.867	0.133	3	0.054	3.186	28.964	0.104	4	0.066	0.822444

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
104	112	FKSGAGTEL	12.68	300	7	1.533	21.895	0.082	3	0.033	1.511	21.587	0.074	3	0.03	0.451072
104	112	FKSGAGTEL	12.68	1800	7	1.731	24.723	0.147	3	0.059	1.749	24.98	0.05	4	0.031	0.667159
105	112	KSGAGTEL	3.6	300	6	1.315	21.919	0.131	3	0.053	1.325	22.087	0.058	3	0.023	0.784284
105	112	KSGAGTEL	3.6	1800	6	1.593	26.544	0.117	3	0.047	1.61	26.829	0.094	4	0.059	0.688656
105	114	KSGAGTELSV	12.89	300	8	1.684	21.055	0.106	3	0.043	1.629	20.365	0.083	3	0.033	0.157026
105	114	KSGAGTELSV	12.89	1800	8	2.263	28.284	0.159	3	0.064	2.268	28.353	0.086	4	0.054	0.909433
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	300	19	9.126	48.033	0.211	3	0.085	8.993	47.332	0.416	3	0.168	0.307928
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	1800	19	10.193	53.648	0.531	3	0.214	10.202	53.694	0.476	4	0.299	0.96601
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	300	20	8.221	41.103	0.287	3	0.115	7.896	39.478	0.468	3	0.188	0.0762057
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	1800	20	9.212	46.061	0.461	3	0.186	9.096	45.481	0.179	4	0.113	0.406301
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	300	33	9.3	28.181	0.306	3	0.123	8.522	25.823	0.584	3	0.235	0.0144861
113	152	SVRAKPSAPVVSGPAARATPQHTVSFTCESHGFSRDLTL	19.21	1800	33	10.512	31.853	2.395	2	0.267	9.797	29.688	0.246	4	0.155	0.123262
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	300	17	8.153	47.958	0.382	3	0.154	8.02	47.177	0.238	3	0.096	0.285321
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	1800	17	9.089	53.467	0.489	3	0.197	9.244	54.378	0.188	4	0.118	0.311414
138	149	FTCESHGFSRDL	15.42	300	9	1.361	15.124	0.078	3	0.031	1.329	14.764	0.034	3	0.014	0.209449
138	149	FTCESHGFSRDL	15.42	1800	9	1.438	15.976	0.179	3	0.072	1.419	15.768	0.027	4	0.017	0.699993
138	152	FTCESHGFSRDLTL	19.78	300	12	2.685	22.374	0.063	3	0.025	2.553	21.279	0.094	3	0.038	0.0106327
138	152	FTCESHGFSRDLTL	19.78	1800	12	2.949	24.579	0.183	3	0.074	2.843	23.688	0.022	4	0.014	0.125247
139	163	TCESHGFSRDLTLKWFKNLSD	20.13	300	22	4.504	20.473	0.309	3	0.124	4.12	18.728	0.19	3	0.077	0.015807
139	163	TCESHGFSRDLTLKWFKNLSD	20.13	1800	22	4.913	22.331	0.751	3	0.302	4.641	21.095	0.096	4	0.06	0.257768
150	160	ITLKWFKNGNE	19.21	300	9	1.618	17.978	0.102	3	0.041	1.553	17.252	0.025	3	0.01	0.103279
150	160	ITLKWFKNGNE	19.21	1800	9	1.604	17.823	0.14	3	0.056	1.533	17.029	0.046	4	0.029	0.144126
150	161	ITLKWFKNGNEL	20.05	300	10	1.574	15.735	0.144	3	0.058	1.36	13.595	0.134	3	0.054	0.00949623
150	161	ITLKWFKNGNEL	20.05	1800	10	1.689	16.886	0.218	3	0.088	1.508	15.076	0.032	4	0.02	0.0650439
150	163	ITLKWFKNGNELSD	19.56	300	12	2.452	20.436	0.116	3	0.047	2.234	18.617	0.161	3	0.065	0.0114416
150	163	ITLKWFKNGNELSD	19.56	1800	12	2.533	21.109	0.25	3	0.101	2.383	19.857	0.085	4	0.053	0.105269
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.582	19.861	0.2	3	0.08	2.24	17.232	0.21	3	0.085	0.00718469
150	164	ITLKWFKNGNELSDF	20.74	1800	13	2.7	20.773	0.38	3	0.153	2.382	18.32	0.058	4	0.037	0.0632649

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
152	163	LKWFKNGNELSD	18.17	300	10	2.012	20.116	0.106	3	0.043	1.961	19.607	0.175	3	0.071	0.357511
152	163	LKWFKNGNELSD	18.17	1800	10	2.101	21.011	0.169	3	0.068	2.069	20.691	0.047	4	0.029	0.510273
152	164	LKWFKNGNELSDF	20.17	300	11	2.013	18.298	0.117	3	0.047	1.813	16.48	0.171	3	0.069	0.0183794
152	164	LKWFKNGNELSDF	20.17	1800	11	2.169	19.72	0.53	3	0.214	1.983	18.024	0.107	4	0.067	0.265936
153	161	KWFKNGNEL	17.1	300	7	1.011	14.444	0.058	3	0.023	1.022	14.595	0.099	3	0.04	0.716722
153	161	KWFKNGNEL	17.1	1800	7	1.097	15.667	0.065	3	0.026	1.129	16.131	0.085	4	0.053	0.34355
153	163	KWFKNGNELSD	15.89	300	9	1.945	21.613	0.079	3	0.032	1.882	20.914	0.127	3	0.051	0.158222
153	163	KWFKNGNELSD	15.89	1800	9	2.003	22.259	0.159	3	0.064	2.01	22.335	0.073	4	0.046	0.882802
153	164	KWFKNGNELSDF	19.44	300	10	1.956	19.561	0.098	3	0.039	1.811	18.11	0.178	3	0.072	0.0518139
153	164	KWFKNGNELSDF	19.44	1800	10	1.989	19.886	0.203	3	0.082	1.916	19.159	0.076	4	0.048	0.26263
155	163	FKNGNELSD	6.09	300	7	2.982	42.599	0.128	3	0.051	2.924	41.77	0.19	3	0.076	0.344286
155	163	FKNGNELSD	6.09	1800	7	2.935	41.932	0.297	3	0.119	3.058	43.688	0.075	4	0.047	0.209123
161	164	LSDF	13.91	300	2	0.83	41.483	0.038	3	0.015	0.797	39.868	0.007	3	0.003	0.0633215
161	164	LSDF	13.91	1800	2	0.781	39.041	0.087	3	0.035	0.8	39.985	0.031	4	0.019	0.461991
164	173	FQTNVDPVGE	15.84	300	7	3.049	43.559	0.15	3	0.061	2.99	42.713	0.098	3	0.039	0.239678
164	173	FQTNVDPVGE	15.84	1800	7	3.092	44.168	0.345	3	0.139	3.207	45.812	0.21	4	0.132	0.325874
164	174	FQTNVDPVGES	15.57	300	8	4.041	50.512	0.086	3	0.035	4.007	50.091	0.149	3	0.06	0.45813
164	174	FQTNVDPVGES	15.57	1800	8	4.198	52.469	0.296	3	0.119	4.33	54.126	0.087	4	0.054	0.183739
164	176	FQTNVDPVGESVS	16.73	300	10	5.037	50.365	0.103	3	0.042	4.956	49.56	0.175	3	0.07	0.179961
164	176	FQTNVDPVGESVS	16.73	1800	10	5.154	51.544	0.326	3	0.131	5.217	52.169	0.063	4	0.04	0.49946
164	177	FQTNVDPVGESVSY	18.66	300	11	5.162	46.924	0.074	3	0.03	4.993	45.389	0.227	3	0.091	0.0734506
164	177	FQTNVDPVGESVSY	18.66	1800	11	5.528	50.251	0.378	3	0.152	5.561	50.558	0.125	4	0.079	0.749931
164	183	FQTNVDPVGESVSYSIHSTA	19.05	300	17	5.795	34.089	0.189	3	0.076	5.492	32.306	0.519	3	0.209	0.115761
164	183	FQTNVDPVGESVSYSIHSTA	19.05	1800	17	6.319	37.173	0.437	3	0.176	6.244	36.73	0.104	2	0.012	0.535657
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	300	21	6.99	33.284	0.265	3	0.107	6.758	32.182	0.452	3	0.182	0.147494
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	1800	21	7.946	37.839	0.698	3	0.281	7.627	36.317	0.198	4	0.125	0.177238
165	174	QTNVDPVGES	7.07	300	7	3.746	53.517	0.185	3	0.074	3.691	52.727	0.214	3	0.086	0.448687
165	174	QTNVDPVGES	7.07	1800	7	3.903	55.762	0.291	3	0.117	4.022	57.462	0.073	4	0.046	0.213925

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
165	176	QTNVDPVGESVS	13.71	300	9	4.455	49.495	0.098	3	0.039	4.399	48.876	0.182	3	0.073	0.32734
165	176	QTNVDPVGESVS	13.71	1800	9	4.58	50.89	0.35	3	0.141	4.685	52.054	0.093	4	0.058	0.326587
165	177	QTNVDPVGESVSY	17.17	300	10	4.66	46.596	0.087	3	0.035	4.554	45.536	0.227	3	0.092	0.172815
165	177	QTNVDPVGESVSY	17.17	1800	10	5.052	50.517	0.306	3	0.123	5.132	51.321	0.089	4	0.056	0.379498
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.554	34.711	0.147	3	0.059	5.399	33.742	0.401	3	0.162	0.232852
165	183	QTNVDPVGESVSYSIHSTA	18.32	1800	16	6.046	37.788	0.361	3	0.145	5.925	37.034	0.268	4	0.168	0.358224
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.599	32.993	0.214	3	0.086	6.396	31.982	0.366	3	0.147	0.126307
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	1800	20	7.423	37.117	0.477	3	0.192	7.248	36.241	0.128	4	0.08	0.249997
175	183	VSYIHSTA	12.57	300	7	1.193	17.042	0.034	3	0.014	1.165	16.645	0.024	3	0.01	0.0504468
175	183	VSYIHSTA	12.57	1800	7	1.669	23.843	0.079	3	0.032	1.673	23.904	0.031	4	0.019	0.848507
175	187	VSYIHSTAKVVL	17.59	300	11	2.357	21.431	0.048	3	0.019	2.185	19.859	0.049	3	0.02	0.000402057
175	187	VSYIHSTAKVVL	17.59	1800	11	2.993	27.206	0.122	3	0.049	3.051	27.735	0.046	4	0.029	0.164595
177	187	YSIHSTAKVVL	16.72	300	9	1.658	18.421	0.091	3	0.037	1.597	17.746	0.05	3	0.02	0.0836326
177	187	YSIHSTAKVVL	16.72	1800	9	1.97	21.89	0.066	3	0.027	2.024	22.493	0.029	4	0.018	0.048236
178	187	SIHSTAKVVL	13.67	300	8	1.61	20.12	0.023	3	0.009	1.571	19.633	0.015	3	0.006	0.00612243
178	187	SIHSTAKVVL	13.67	1800	8	1.918	23.977	0.083	3	0.033	1.945	24.316	0.03	4	0.019	0.295595
179	187	IHSTAKVVL	13.75	300	7	1.368	19.536	0.019	3	0.008	1.35	19.292	0.018	3	0.007	0.0478147
179	187	IHSTAKVVL	13.75	1800	7	1.657	23.674	0.049	3	0.02	1.658	23.687	0.013	4	0.008	0.945594
188	199	TREDVHSQVICE	11.82	300	10	1.456	14.564	0.09	3	0.036	1.392	13.924	0.072	3	0.029	0.0794404
188	199	TREDVHSQVICE	11.82	1800	10	1.815	18.147	0.111	3	0.045	1.768	17.682	0.057	4	0.036	0.217457
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	300	29	8.194	28.253	0.268	3	0.108	8.154	28.117	0.246	3	0.099	0.665219
188	219	TREDVHSQVICEVAHVTLQGDPLRGTADLSET	20.03	1800	29	9.331	32.175	0.771	3	0.311	9.471	32.659	0.15	4	0.094	0.519547
200	205	VAHVTL	13.3	300	4	2.339	58.463	0.052	3	0.021	2.291	57.286	0.071	3	0.029	0.0885073
200	205	VAHVTL	13.3	1800	4	2.329	58.237	0.116	3	0.047	2.365	59.137	0.047	4	0.03	0.322796
200	219	VAHVTLQGDPLRGTADLSET	18.13	300	17	7.543	44.371	0.136	3	0.055	7.483	44.018	0.288	3	0.116	0.479812
200	219	VAHVTLQGDPLRGTADLSET	18.13	1800	17	8.385	49.326	0.539	3	0.217	8.599	50.583	0.161	4	0.101	0.223361
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	300	22	8.16	37.089	0.152	3	0.061	8.141	37.007	0.397	3	0.16	0.867669
200	226	VAHVTLQGDPLRGTADLSETIRVPPTL	19.91	1800	22	9.258	42.082	0.508	3	0.204	9.48	43.09	0.154	4	0.097	0.191449

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
201	205	AHVTL	13.38	300	3	1.851	61.688	0.063	3	0.025	1.844	61.458	0.134	3	0.054	0.854806
201	205	AHVTL	13.38	1800	3	1.837	61.217	0.107	3	0.043	1.882	62.743	0.069	3	0.028	0.209533
202	219	HVTLQGDPLRGTDLSET	18.07	300	15	5.964	39.76	0.121	3	0.049	5.949	39.657	0.23	3	0.092	0.814549
202	219	HVTLQGDPLRGTDLSET	18.07	1800	15	6.84	45.601	0.415	3	0.167	7.037	46.91	0.128	4	0.08	0.166871
206	219	QGDPLRGTDLSET	16.13	300	11	2.878	26.164	0.117	3	0.047	2.82	25.638	0.129	3	0.052	0.227465
206	219	QGDPLRGTDLSET	16.13	1800	11	3.733	33.936	0.261	3	0.105	3.779	34.356	0.079	4	0.05	0.536548
217	226	SETIRVPPTL	17.59	300	6	1.321	22.021	0.032	3	0.013	1.283	21.379	0.049	3	0.02	0.0574146
217	226	SETIRVPPTL	17.59	1800	6	1.745	29.083	0.091	3	0.037	1.754	29.237	0.039	4	0.024	0.726287
217	227	SETIRVPPTLE	17.16	300	7	1.329	18.983	0.049	3	0.02	1.294	18.487	0.06	3	0.024	0.127669
217	227	SETIRVPPTLE	17.16	1800	7	1.809	25.841	0.065	3	0.026	1.784	25.492	0.028	4	0.018	0.24781
219	226	TIRVPPTL	16.83	300	4	1.206	30.152	0.029	3	0.012	1.148	28.71	0.015	3	0.006	0.00465159
219	226	TIRVPPTL	16.83	1800	4	1.504	37.59	0.097	3	0.039	1.534	38.355	0.032	4	0.02	0.309139
220	226	IRVPPTL	16.04	300	3	1.158	38.593	0.016	3	0.007	1.123	37.439	0.04	3	0.016	0.049079
220	226	IRVPPTL	16.04	1800	3	1.461	48.694	0.165	3	0.067	1.48	49.346	0.055	4	0.035	0.676329
220	227	IRVPPTLE	15.46	300	4	1.182	29.538	0.079	3	0.032	1.131	28.272	0.034	3	0.014	0.094666
220	227	IRVPPTLE	15.46	1800	4	1.457	36.424	0.044	3	0.018	1.488	37.196	0.058	4	0.036	0.203993
222	226	VPPTL	16.11	300	2	0.596	29.815	0.016	3	0.006	0.573	28.642	0.045	3	0.018	0.143747
222	226	VPPTL	16.11	1800	2	0.723	36.169	0.065	3	0.026	0.745	37.26	0.012	4	0.008	0.281328
223	226	PPTL	16.15	300	2	0.492	24.588	0.03	3	0.012	0.476	23.791	0.031	3	0.012	0.1842
223	226	PPTL	16.15	1800	2	0.597	29.859	0.037	3	0.015	0.612	30.602	0.007	4	0.005	0.218882
227	244	EVTQQPVRAENQVDVTCQ	14.76	300	15	6.69	44.597	0.115	3	0.046	6.462	43.077	0.246	3	0.099	0.0400451
227	244	EVTQQPVRAENQVDVTCQ	14.76	1800	15	7.311	48.739	0.494	3	0.199	7.248	48.317	0.142	4	0.089	0.647246
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	300	25	8.885	35.539	0.212	3	0.085	8.258	33.033	0.406	3	0.163	0.00960346
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	1800	25	10.095	40.379	0.659	3	0.265	9.692	38.767	0.19	4	0.12	0.104298
245	255	VRKFYPQRLQL	18	300	8	2.958	36.974	0.095	3	0.038	2.623	32.783	0.149	3	0.06	0.00240979
245	255	VRKFYPQRLQL	18	1800	8	3.073	38.416	0.112	3	0.045	3.004	37.551	0.049	4	0.031	0.0972028
256	271	TWLENGDVSRTETAST	17.04	300	14	6.74	48.144	0.175	3	0.07	6.174	44.099	0.076	3	0.031	0.00162616
256	271	TWLENGDVSRTETAST	17.04	1800	14	6.735	48.108	0.571	3	0.23	6.56	46.859	0.199	4	0.125	0.321883

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	300	25	9.391	37.566	0.374	3	0.151	8.666	34.665	0.59	3	0.237	0.0161076
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	1800	25	9.435	37.74	1.023	3	0.412	8.964	35.856	0.328	4	0.206	0.174799
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	300	29	9.422	32.489	0.442	3	0.178	7.824	26.979	0.455	3	0.183	0.000412286
256	286	TWLENGDVSRTETASTVTENKDGTYNWMSWL	22.36	1800	29	9.401	32.416	0.993	3	0.4	8.49	29.277	0.284	4	0.178	0.0439351
269	282	ASTVTENKDGTYNW	18.1	300	12	4.534	37.785	0.123	3	0.05	4.553	37.94	0.266	3	0.107	0.803539
269	282	ASTVTENKDGTYNW	18.1	1800	12	4.57	38.086	0.3	3	0.121	4.712	39.265	0.1	4	0.063	0.16759
269	286	ASTVTENKDGTYNWMSWL	22.41	300	16	4.639	28.993	0.318	3	0.128	3.874	24.21	0.116	3	0.047	0.00458026
269	286	ASTVTENKDGTYNWMSWL	22.41	1800	16	4.677	29.23	0.605	3	0.244	4.275	26.721	0.104	4	0.066	0.0969656
270	282	STVTENKDGTYNW	18	300	11	3.981	36.193	0.07	3	0.028	4.076	37.054	0.219	3	0.088	0.197351
270	282	STVTENKDGTYNW	18	1800	11	4.017	36.523	0.298	3	0.12	4.258	38.709	0.155	4	0.097	0.0491031
270	286	STVTENKDGTYNWMSWL	22.44	300	15	4.347	28.979	0.376	3	0.151	3.526	23.505	0.23	3	0.093	0.00278745
270	286	STVTENKDGTYNWMSWL	22.44	1800	15	4.331	28.872	0.717	3	0.289	3.951	26.337	0.213	4	0.134	0.136322
272	282	VTENKDGTYNW	17.74	300	9	2.465	27.387	0.15	3	0.06	2.455	27.276	0.091	3	0.037	0.819677
272	282	VTENKDGTYNW	17.74	1800	9	2.515	27.941	0.138	3	0.056	2.613	29.03	0.092	4	0.058	0.077992
272	283	VTENKDGTYNWM	19.48	300	10	2.835	28.348	0.095	3	0.038	2.837	28.374	0.13	3	0.052	0.94812
272	283	VTENKDGTYNWM	19.48	1800	10	2.897	28.972	0.238	3	0.096	3.034	30.344	0.07	4	0.044	0.11686
272	285	VTENKDGTYNWMSW	21.49	300	12	3.255	27.129	0.145	3	0.058	2.804	23.367	0.045	3	0.018	0.00301817
272	285	VTENKDGTYNWMSW	21.49	1800	12	3.313	27.606	0.291	3	0.117	3.229	26.909	0.038	4	0.024	0.341196
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.723	20.943	0.205	3	0.083	2.12	16.307	0.073	3	0.03	0.00289356
272	286	VTENKDGTYNWMSWL	22.49	1800	13	2.785	21.427	0.392	3	0.158	2.538	19.521	0.062	4	0.039	0.106885
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.252	23.23	0.138	3	0.056	2.106	15.04	0.162	3	0.065	2.51E-05
272	287	VTENKDGTYNWMSWLL	23.08	1800	14	3.393	24.234	0.472	3	0.19	2.814	20.1	0.231	4	0.145	0.0142163
275	282	NKDGTYNW	16.96	300	6	0.783	13.055	0.032	3	0.013	0.792	13.202	0.022	3	0.009	0.394857
275	282	NKDGTYNW	16.96	1800	6	0.845	14.076	0.062	3	0.025	0.898	14.968	0.016	4	0.01	0.0520827
275	286	NKDGTYNWMSWL	22.6	300	10	1.985	19.849	0.108	3	0.043	1.54	15.403	0.157	3	0.063	0.000993795
275	286	NKDGTYNWMSWL	22.6	1800	10	1.923	19.228	0.278	3	0.112	1.927	19.275	0.044	4	0.028	0.94955
281	285	NWMSW	21.67	300	3	1.519	50.633	0.098	3	0.04	1.143	38.103	0.18	3	0.072	0.00374807
281	285	NWMSW	21.67	1800	3	1.428	47.59	0.079	3	0.032	1.445	48.175	0.063	4	0.039	0.543659

Appendix Table A4 – Nb 01

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb01					
						#D	%D	Conf Interval (#D)	#Pts	Stddev	#D	%D	Conf Interval (#D)	#Pts	Stddev	p
281	286	NWMSWL	22.9	300	4	1.604	40.111	0.041	3	0.016	1.205	30.128	0.217	3	0.087	0.0132188
281	286	NWMSWL	22.9	1800	4	1.574	39.342	0.057	3	0.023	1.579	39.481	0.033	4	0.021	0.757936
283	287	MSWLL	22.05	300	3	1.381	46.025	0.062	3	0.025	0.526	17.543	0.316	3	0.127	0.00579228
283	287	MSWLL	22.05	1800	3	1.478	49.259	0.139	3	0.056	1.114	37.142	0.197	4	0.124	0.00503739
286	292	LLVNVSA	17.3	300	5	2.716	54.324	0.04	3	0.016	2.668	53.356	0.134	3	0.054	0.257652
286	292	LLVNVSA	17.3	1800	5	2.625	52.502	0.169	3	0.068	2.682	53.644	0.083	4	0.052	0.297745
287	292	LVNVSA	8.3	300	4	2.68	66.991	0.089	3	0.036	2.657	66.417	0.123	3	0.049	0.554077
287	292	LVNVSA	8.3	1800	4	2.584	64.602	0.187	3	0.075	2.658	66.456	0.052	4	0.032	0.222902
287	299	LVNVSAHRDDVKL	15.26	300	11	3.767	34.245	0.078	3	0.032	3.795	34.501	0.193	3	0.078	0.607341
287	299	LVNVSAHRDDVKL	15.26	1800	11	3.9	35.455	0.208	3	0.084	3.936	35.784	0.065	4	0.041	0.544088

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa Conf					SIRPa + Nb02					
						#D	%D	Interva l (#D)	#Pt s	Stdde v	#D	%D	Interva l (#D)	#Pt s	Stdde v	p
1	14	EEELQVIQPKSVL	19.29	300	11	4.927	44.795	0.128	3	0.052	4.791	43.553	0.352	3	0.142	0.231195
1	14	EEELQVIQPKSVL	19.29	1800	11	4.929	44.813	0.196	4	0.123	4.973	45.212	0.177	3	0.071	0.581432
4	14	LQVIQPKSVL	18.26	300	8	3.723	46.544	0.099	3	0.04	3.616	45.206	0.261	3	0.105	0.212358
4	14	LQVIQPKSVL	18.26	1800	8	3.739	46.736	0.158	4	0.099	3.797	47.463	0.171	3	0.069	0.402752
5	14	QVIQPKSVL	15.48	300	7	2.98	42.578	0.08	3	0.032	2.899	41.411	0.248	3	0.1	0.289505
5	14	QVIQPKSVL	15.48	1800	7	3.03	43.281	0.144	4	0.09	3.068	43.834	0.138	3	0.056	0.516531
6	14	VIQPKSVL	15.59	300	6	2.976	49.604	0.077	3	0.031	2.901	48.354	0.248	3	0.1	0.321656
6	14	VIQPKSVL	15.59	1800	6	2.996	49.933	0.159	4	0.1	3.038	50.638	0.128	3	0.051	0.501692
15	25	VAAGETALRC	13.53	300	9	2.988	33.202	0.105	3	0.042	2.764	30.709	0.133	3	0.054	0.0055397
15	25	VAAGETALRC	13.53	1800	9	3.528	39.2	0.642	4	0.403	3.726	41.396	0.134	3	0.054	0.40113
15	47	VAAGETALRC VAAGETALRC TATS LIPV GPIQ WFRG AGP GRE	21.24	300	28	7.995	28.553	0.212	3	0.086	7.751	27.681	0.832	3	0.335	0.33312
15	47	VAAGETALRC VAAGETALRC TATS LIPV GPIQ WFRG AGP GRE	21.24	1800	28	9.551	34.111	0.502	4	0.316	9.234	32.979	0.142	3	0.057	0.136791
23	47	LRCTATSLIPV GPIQ WFRG AGPGRE	21.05	300	20	6.267	31.334	0.193	3	0.078	6.067	30.335	0.259	3	0.104	0.0608589
23	47	LRCTATSLIPV GPIQ WFRG AGPGRE	21.05	1800	20	7.032	35.162	0.332	4	0.208	7.008	35.042	0.237	3	0.096	0.847238
26	47	TATSLIPV GPIQ WFRG AGPGRE	21.14	300	17	6.029	35.466	0.332	2	0.037	5.901	34.714	0.005	2	0.001	0.127973
26	47	TATSLIPV GPIQ WFRG AGPGRE	21.14	1800	17	6.827	40.16		1	0	6.767	39.803	0.255	3	0.103	1
29	47	SLIPV GPIQ WFRG AGPGRE	21.14	300	14	4.355	31.109	0.223	3	0.09	4.298	30.699	0.413	3	0.166	0.634301
29	47	SLIPV GPIQ WFRG AGPGRE	21.14	1800	14	5.079	36.275	0.267	4	0.168	5.062	36.159	0.138	3	0.055	0.865402
31	47	IPV GPIQ WFRG AGPGRE	20.4	300	13	3.738	28.754	0.074	3	0.03	3.582	27.558	0.297	3	0.12	0.146591
31	47	IPV GPIQ WFRG AGPGRE	20.4	1800	13	4.374	33.644	0.196	4	0.123	4.383	33.717	0.182	3	0.073	0.903614
39	66	FRGAGPGRE LIYNQKEGH FPRVTTVSD	19.05	300	24	7.409	30.869	0.222	3	0.089	7.012	29.219	0.657	3	0.265	0.110188
39	66	FRGAGPGRE LIYNQKEGH FPRVTTVSD	19.05	1800	24	7.772	32.384	0.445	4	0.28	7.617	31.739	0.342	3	0.138	0.383799
48	62	LIYNQKEGH FPRVTT	16.64	300	12	3.473	28.941	0.104	3	0.042	3.266	27.219	0.349	3	0.14	0.11581
48	62	LIYNQKEGH FPRVTT	16.64	1800	12	3.908	32.563	0.218	4	0.137	3.86	32.17	0.134	3	0.054	0.56404
48	65	LIYNQKEGH FPRVTTVSD	16.99	300	15	4.709	31.396	0.146	3	0.059	4.417	29.45	0.453	3	0.182	0.097755

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
48	65	LIYNQKEGHFPRVTVSD	16.99	1800	15	5.098	33.984	0.281	4	0.176	5.02	33.467	0.164	3	0.066	0.464021
48	66	LIYNQKEGHFPRVTVSDL	18.64	300	16	4.869	30.431	0.124	3	0.05	4.512	28.202	0.425	3	0.171	0.0590737
48	66	LIYNQKEGHFPRVTVSDL	18.64	1800	16	5.173	32.333	0.311	4	0.195	5.04	31.502	0.243	3	0.098	0.296037
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	300	23	7.689	33.432	0.274	3	0.11	7.294	31.712	0.669	3	0.269	0.111245
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	1800	23	7.878	34.25	0.491	4	0.309	7.762	33.748	0.221	3	0.089	0.519893
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	300	24	7.381	30.754	0.184	3	0.074	6.992	29.134	0.615	3	0.248	0.102418
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	1800	24	7.556	31.482	0.452	4	0.284	7.466	31.109	0.321	3	0.129	0.604397
49	66	IYNQKEGHFPRVTVSDL	18.28	300	15	4.689	31.258	0.157	3	0.063	4.401	29.343	0.46	3	0.185	0.102668
49	66	IYNQKEGHFPRVTVSDL	18.28	1800	15	4.984	33.224	0.319	4	0.201	4.886	32.573	0.255	3	0.103	0.442978
58	66	PRVTVSDL	15.4	300	7	3.432	49.032	0.072	3	0.029	3.337	47.665	0.261	3	0.105	0.251331
58	66	PRVTVSDL	15.4	1800	7	3.73	53.279	0.109	4	0.068	3.797	54.245	0.024	3	0.01	0.141222
63	66	VSDL	4.32	300	2	1.208	60.413	0.03	3	0.012	1.149	57.445	0.111	3	0.045	0.139472
63	66	VSDL	4.32	1800	2	1.136	56.819	0.092	3	0.037	1.184	59.186	0.056	3	0.023	0.146996
63	74	VSDLTKRNNMDF	16.58	300	10	4.086	40.86	0.14	3	0.056	3.989	39.888	0.421	3	0.17	0.429961
63	74	VSDLTKRNNMDF	16.58	1800	10	4.014	40.142	0.162	4	0.102	4.118	41.183	0.059	3	0.024	0.131783
63	75	VSDLTKRNNMDFS	15.53	300	11	4.441	40.369	0.193	3	0.078	4.37	39.725	0.446	3	0.179	0.578917
63	75	VSDLTKRNNMDFS	15.53	1800	11	4.699	42.723	0.175	4	0.11	4.815	43.771	0.258	3	0.104	0.220049
66	74	LTKRNNMDF	13.6	300	7	2.33	33.285	0.084	3	0.034	2.225	31.781	0.315	3	0.127	0.284448
66	74	LTKRNNMDF	13.6	1800	7	2.26	32.279	0.14	4	0.088	2.322	33.174	0.038	3	0.015	0.249927
67	74	TKRNNMDF	11.2	300	6	1.816	30.26	0.128	3	0.051	1.744	29.06	0.237	3	0.095	0.331294
67	74	TKRNNMDF	11.2	1800	6	1.756	29.264	0.133	4	0.084	1.848	30.798	0.073	3	0.029	0.112898
67	75	TKRNNMDFS	7.46	300	7	2.588	36.966	0.214	3	0.086	2.462	35.178	0.236	3	0.095	0.167489
67	75	TKRNNMDFS	7.46	1800	7	2.843	40.613	0.205	4	0.129	2.926	41.8	0.041	3	0.016	0.288708
74	88	FSIRIGDITPADAGT	19.54	300	12	2.188	18.236	0.095	3	0.038	2.091	17.421	0.16	3	0.064	0.101788
74	88	FSIRIGDITPADAGT	19.54	1800	12	2.446	20.382	0.097	4	0.061	2.455	20.462	0.055	3	0.022	0.785711
75	88	SIRIGDITPADAGT	17.19	300	11	2.4	21.818	0.051	3	0.021	2.315	21.045	0.182	3	0.073	0.17485
75	88	SIRIGDITPADAGT	17.19	1800	11	2.681	24.369	0.099	4	0.062	2.735	24.861	0.012	3	0.005	0.180342
76	88	IRIGDITPADAGT	16.88	300	10	2.366	23.659	0.063	3	0.025	2.36	23.598	0.288	3	0.116	0.93716

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
76	88	IRIGDITPADAGT	16.88	1800	10	2.658	26.582	0.11	4	0.069	2.786	27.865	0.071	3	0.029	0.0264719
89	104	YYCVKFRKGGSPDDVEF	18.99	300	13	2.125	16.345	0.124	3	0.05	2.03	15.612	0.188	3	0.076	0.153705
89	104	YYCVKFRKGGSPDDVEF	18.99	1800	13	2.972	22.862	0.19	4	0.12	2.921	22.468	0.161	3	0.065	0.502798
90	104	YCVKFRKGGSPDDVEF	18.32	300	12	2.173	18.105	0.051	3	0.021	2.159	17.989	1.079	2	0.12	0.895473
90	104	YCVKFRKGGSPDDVEF	18.32	1800	12	3.112	25.935	0.193	4	0.121	3.116	25.969	0.705	2	0.078	0.962446
91	104	CVKFRKGGSPDDVEF	17.01	300	11	2.234	20.312	0.532	3	0.214	2.267	20.606	0.27	3	0.109	0.830536
91	104	CVKFRKGGSPDDVEF	17.01	1800	11	3.152	28.654	0.103	4	0.065	3.229	29.354	0.14	3	0.056	0.156701
104	112	FKSGAGTEL	12.68	300	7	1.533	21.895	0.082	3	0.033	1.488	21.263	0.15	3	0.06	0.344198
104	112	FKSGAGTEL	12.68	1800	7	1.753	25.043	0.105	4	0.066	1.794	25.628	0.021	3	0.008	0.303985
104	114	FKSGAGTELSV	16.17	300	9	2.183	24.25	0.05	3	0.02	2.063	22.917	0.19	3	0.076	0.104182
104	114	FKSGAGTELSV	16.17	1800	9	2.791	31.015	0.119	4	0.075	2.643	29.366	0.096	3	0.039	0.0215227
105	112	KSGAGTEL	3.6	300	6	1.315	21.919	0.131	3	0.053	1.254	20.892	0.255	3	0.102	0.423115
105	112	KSGAGTEL	3.6	1800	6	1.593	26.544	0.117	3	0.047	1.633	27.218	0.086	3	0.035	0.301875
105	114	KSGAGTELSV	12.89	300	8	1.684	21.055	0.106	3	0.043	1.549	19.368	0.138	3	0.056	0.0319932
105	114	KSGAGTELSV	12.89	1800	8	2.287	28.589	0.114	4	0.072	2.103	26.29	0.053	3	0.021	0.0102383
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	300	19	9.126	48.033	0.211	3	0.085	8.775	46.183	0.619	3	0.249	0.122756
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	1800	19	10.27	54.082	0.382	4	0.24	10.13	53.361	0.287	3	0.116	0.369108
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	300	20	8.221	41.103	0.287	3	0.115	7.827	39.136	0.616	3	0.248	0.0935569
113	138	SVRAKPSAPVVSGPAARATPQHTVSF	15.73	1800	20	9.362	46.808	0.533	4	0.335	9.07	45.349	0.292	3	0.117	0.183263
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	300	17	8.153	47.958	0.382	3	0.154	7.869	46.291	0.521	3	0.21	0.138709
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	1800	17	9.159	53.874	0.337	4	0.212	9.077	53.395	0.086	3	0.035	0.50162
138	149	FTCESHGFSRPD	15.42	300	9	1.361	15.124	0.078	3	0.031	1.171	13.007	0.089	3	0.036	0.002422
138	149	FTCESHGFSRPD	15.42	1800	9	1.439	15.992	0.094	4	0.059	1.337	14.858	0.07	3	0.028	0.0335062
138	152	FTCESHGFSRPDITL	19.78	300	12	2.685	22.374	0.063	3	0.025	2.185	18.207	0.082	3	0.033	5.38E-05
138	152	FTCESHGFSRPDITL	19.78	1800	12	2.963	24.695	0.106	4	0.066	2.586	21.549	0.043	3	0.017	0.00078020
138	152	FTCESHGFSRPDITL	19.78	1800	12	2.963	24.695	0.106	4	0.066	2.586	21.549	0.043	3	0.017	9
139	163	TCESHGFSRPDITLKWFKNGNELSD	20.13	300	22	4.504	20.473	0.309	3	0.124	3.727	16.942	0.4	3	0.161	0.00337588

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	p
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	1800	22	4.846	22.029	0.183	4	0.115	4.342	19.735	0.186	3	0.075	0.000937036
150	160	ITLKWFKNGNE	19.21	300	9	1.618	17.978	0.102	3	0.041	1.472	16.36	0.123	3	0.05	0.0185159
150	160	ITLKWFKNGNE	19.21	1800	9	1.619	17.991	0.087	4	0.055	1.578	17.531	0.033	3	0.013	0.230667
150	161	ITLKWFKNGNEL	20.05	300	10	1.574	15.735	0.144	3	0.058	1.399	13.987	0.167	3	0.067	0.0278484
150	161	ITLKWFKNGNEL	20.05	1800	10	1.72	17.198	0.151	4	0.095	1.596	15.962	0.047	3	0.019	0.0771329
150	163	ITLKWFKNGNELSD	19.56	300	12	2.452	20.436	0.116	3	0.047	2.215	18.459	0.285	3	0.115	0.0541373
150	163	ITLKWFKNGNELSD	19.56	1800	12	2.57	21.413	0.175	4	0.11	2.44	20.329	0.147	3	0.059	0.104238
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.576	19.816	0.212	3	0.085	2.331	17.93	0.276	3	0.111	0.0420323
150	164	ITLKWFKNGNELSDF	20.74	1800	13	2.748	21.142	0.245	4	0.154	2.562	19.71	0.219	3	0.088	0.101805
152	163	LKWFKNGNELSD	18.17	300	10	2.012	20.116	0.106	3	0.043	1.898	18.978	0.295	3	0.119	0.233154
152	163	LKWFKNGNELSD	18.17	1800	10	2.121	21.215	0.11	4	0.069	2.091	20.908	0.026	3	0.011	0.442139
152	164	LKWFKNGNELSDF	20.17	300	11	2.013	18.298	0.117	3	0.047	1.894	17.219	0.238	3	0.096	0.152696
152	164	LKWFKNGNELSDF	20.17	1800	11	2.194	19.943	0.288	4	0.181	2.07	18.816	0.127	3	0.051	0.26965
153	161	KWFKNGNEL	17.1	300	7	1.011	14.444	0.058	3	0.023	0.952	13.596	0.143	3	0.058	0.208479
153	161	KWFKNGNEL	17.1	1800	7	1.113	15.896	0.061	4	0.038	1.086	15.507	0.03	3	0.012	0.258814
153	163	KWFKNGNELSD	15.89	300	9	1.945	21.613	0.079	3	0.032	1.849	20.548	0.276	3	0.111	0.270821
153	163	KWFKNGNELSD	15.89	1800	9	2.028	22.539	0.116	4	0.073	2.03	22.556	0.083	3	0.033	0.970864
153	164	KWFKNGNELSDF	19.44	300	10	1.956	19.561	0.098	3	0.039	1.817	18.166	0.213	3	0.086	0.0884157
153	164	KWFKNGNELSDF	19.44	1800	10	2.021	20.211	0.148	4	0.093	1.979	19.795	0.08	3	0.032	0.454263
155	163	FKNGNELSD	6.09	300	7	2.982	42.599	0.128	3	0.051	2.848	40.68	0.464	3	0.187	0.338652
155	163	FKNGNELSD	6.09	1800	7	2.982	42.601	0.215	4	0.135	3.105	44.357	0.064	3	0.026	0.165582
161	164	LSDF	13.91	300	2	0.83	41.483	0.038	3	0.015	0.792	39.603	0.111	3	0.045	0.280023
161	164	LSDF	13.91	1800	2	0.797	39.855	0.069	4	0.043	0.828	41.402	0.043	3	0.017	0.262524
164	173	FQTNVDPVGE	15.84	300	7	3.049	43.559	0.15	3	0.061	2.915	41.643	0.131	3	0.053	0.0453807
164	173	FQTNVDPVGE	15.84	1800	7	3.136	44.8	0.229	4	0.144	3.255	46.5	0.266	3	0.107	0.265106
164	174	FQTNVDPVGES	15.57	300	8	4.041	50.512	0.086	3	0.035	3.951	49.383	0.378	3	0.152	0.413561
164	174	FQTNVDPVGES	15.57	1800	8	4.244	53.05	0.214	4	0.134	4.384	54.798	0.173	3	0.07	0.138728

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
164	176	FQTNVDPVGESVS	16.73	300	10	5.037	50.365	0.103	3	0.042	4.9	48.998	0.456	3	0.183	0.3249
164	176	FQTNVDPVGESVS	16.73	1800	10	5.196	51.957	0.215	4	0.135	5.311	53.108	0.146	3	0.059	0.197624
164	177	FQTNVDPVGESVSY	18.66	300	11	5.162	46.924	0.074	3	0.03	5.103	46.39	0.447	3	0.18	0.63076
164	177	FQTNVDPVGESVSY	18.66	1800	11	5.59	50.823	0.281	4	0.177	5.734	52.127	0.162	3	0.065	0.209647
164	183	FQTNVDPVGESVSYSIHSTA	19.05	300	17	5.795	34.089	0.189	3	0.076	5.757	33.864	0.499	3	0.201	0.781509
164	183	FQTNVDPVGESVSYSIHSTA	19.05	1800	17	6.368	37.458	0.276	4	0.173	6.518	38.341	0.335	3	0.135	0.254344
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	300	21	6.99	33.284	0.265	3	0.107	6.958	33.131	0.583	3	0.235	0.844575
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	1800	21	7.95	37.859	0.365	4	0.23	8.004	38.115	0.124	3	0.05	0.676319
165	174	QTNVDPVGES	7.07	300	7	3.746	53.517	0.185	3	0.074	3.65	52.144	0.333	3	0.134	0.354607
165	174	QTNVDPVGES	7.07	1800	7	3.943	56.334	0.199	4	0.125	4.115	58.793	0.045	3	0.018	0.0683384
165	176	QTNVDPVGESVS	13.71	300	9	4.455	49.495	0.098	3	0.039	4.361	48.46	0.395	3	0.159	0.418752
165	176	QTNVDPVGESVS	13.71	1800	9	4.631	51.451	0.243	4	0.153	4.781	53.118	0.146	3	0.059	0.14615
165	177	QTNVDPVGESVSY	17.17	300	10	4.66	46.596	0.087	3	0.035	4.801	48.008	0.38	3	0.153	0.248273
165	177	QTNVDPVGESVSY	17.17	1800	10	5.102	51.017	0.226	4	0.142	5.478	54.781	0.078	3	0.031	0.0105346
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.554	34.711	0.147	3	0.059	5.499	34.37	0.459	3	0.185	0.666693
165	183	QTNVDPVGESVSYSIHSTA	18.32	1800	16	6.097	38.107	0.249	4	0.156	6.238	38.989	0.044	3	0.018	0.168787
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.599	32.993	0.214	3	0.086	6.558	32.791	0.497	3	0.2	0.771565
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	1800	20	7.43	37.149	0.25	4	0.157	7.567	37.833	0.191	3	0.077	0.196138
174	183	SVSYSIHSTA	13.32	300	8	1.735	21.691	0.319	2	0.035	1.837	22.959	0.177	3	0.071	0.127533
174	183	SVSYSIHSTA	13.32	1800	8	2.201	27.515	0.069	4	0.044	2.396	29.948	0.036	3	0.014	0.00136327
175	183	VSYSIHSTA	12.57	300	7	1.193	17.042	0.034	3	0.014	1.295	18.506	0.078	3	0.031	0.0172478
175	183	VSYSIHSTA	12.57	1800	7	1.682	24.029	0.059	4	0.037	1.81	25.861	0.013	3	0.005	0.00535084
175	187	VSYSIHSTAKVVL	17.59	300	11	2.357	21.431	0.048	3	0.019	2.355	21.411	0.042	3	0.017	0.889151
175	187	VSYSIHSTAKVVL	17.59	1800	11	3.009	27.351	0.082	4	0.051	3.187	28.973	0.089	3	0.036	0.00288498
177	187	YSIHSTAKVVL	16.72	300	9	1.658	18.421	0.091	3	0.037	1.644	18.272	0.058	3	0.023	0.626716
177	187	YSIHSTAKVVL	16.72	1800	9	1.995	22.162	0.085	4	0.053	2.056	22.845	0.082	3	0.033	0.12099
178	187	SIHSTAKVVL	13.67	300	8	1.61	20.12	0.023	3	0.009	1.598	19.973	0.042	3	0.017	0.364648
178	187	SIHSTAKVVL	13.67	1800	8	1.93	24.127	0.058	4	0.036	1.956	24.453	0.036	3	0.014	0.25906

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
179	187	IHSTAKVVL	13.75	300	7	1.368	19.536	0.019	3	0.008	1.388	19.829	0.049	3	0.02	0.206258
179	187	IHSTAKVVL	13.75	1800	7	1.674	23.915	0.059	4	0.037	1.691	24.151	0.035	3	0.014	0.462967
188	199	TREDVHSQVICE	11.82	300	10	1.456	14.564	0.09	3	0.036	1.406	14.061	0.108	3	0.044	0.20216
188	199	TREDVHSQVICE	11.82	1800	10	1.834	18.339	0.085	4	0.053	1.859	18.594	0.082	3	0.033	0.472344
188	219	TREDVHSQVICEVAHVTLQGDPLRGTDLS ET	20.03	300	29	8.194	28.253	0.268	3	0.108	5.614	19.359	0.098	3	0.039	0.00014216
188	219	TREDVHSQVICEVAHVTLQGDPLRGTDLS ET	20.03	1800	29	9.362	32.282	0.415	4	0.261	7.49	25.826	0.185	3	0.075	0.00030407
200	205	VAHVTL	13.3	300	4	2.339	58.463	0.052	3	0.021	0.893	22.333	0.051	3	0.02	1.14E-07
200	205	VAHVTL	13.3	1800	4	2.356	58.902	0.104	4	0.065	1.078	26.96	0.027	3	0.011	2.14E-05
200	216	VAHVTLQGDPLRGTDLS	18.57	300	14	5.567	39.761	0.135	3	0.054	3.543	25.31	0.288	3	0.116	0.00015701
200	216	VAHVTLQGDPLRGTDLS	18.57	1800	14	6.173	44.094	0.264	4	0.166	4.717	33.694	0.088	3	0.035	0.00022169
200	219	VAHVTLQGDPLRGTDLSSET	18.13	300	17	7.543	44.371	0.136	3	0.055	5.066	29.798	0.356	3	0.143	0.00029079
200	219	VAHVTLQGDPLRGTDLSSET	18.13	1800	17	8.455	49.735	0.358	4	0.225	6.772	39.837	0.301	3	0.121	8.00E-05
200	226	VAHVTLQGDPLRGTDLSSETIRVPPTL	19.91	300	22	8.16	37.089	0.152	3	0.061	6.03	27.407	0.488	3	0.196	0.00133603
200	226	VAHVTLQGDPLRGTDLSSETIRVPPTL	19.91	1800	22	9.324	42.381	0.338	4	0.213	7.931	36.049	0.252	3	0.102	0.00017185
201	205	AHVTL	13.38	300	3	1.851	61.688	0.063	3	0.025	0.739	24.63	0.05	3	0.02	9.20E-07
201	205	AHVTL	13.38	1800	3	1.854	61.81	0.08	4	0.05	0.886	29.538	0.013	3	0.005	3.08E-05
202	219	HVTLQGDPLRGTDLSSET	18.07	300	15	5.964	39.76	0.121	3	0.049	3.95	26.335	0.305	3	0.123	0.00030086
202	219	HVTLQGDPLRGTDLSSET	18.07	1800	15	6.89	45.932	0.268	4	0.169	5.445	36.299	0.305	3	0.123	4.62E-05
206	216	QGDPLRGTDLS	16.55	300	8	2.264	28.306	0.091	3	0.037	2.111	26.384	0.224	3	0.09	0.0819744
206	216	QGDPLRGTDLS	16.55	1800	8	2.882	36.023	0.118	4	0.074	2.484	31.049	0.187	3	0.075	0.00152817
206	219	QGDPLRGTDLSSET	16.13	300	11	2.871	26.103	0.098	3	0.039	2.7	24.547	0.275	3	0.111	0.102906
206	219	QGDPLRGTDLSSET	16.13	1800	11	3.769	34.262	0.178	4	0.112	3.411	31.009	0.128	3	0.052	0.0035689
217	226	SETIRVPPTL	17.59	300	6	1.321	22.021	0.032	3	0.013	1.304	21.742	0.07	3	0.028	0.423319
217	226	SETIRVPPTL	17.59	1800	6	1.757	29.29	0.062	4	0.039	1.798	29.96	0.017	3	0.007	0.128023
217	227	SETIRVPPTLE	17.16	300	7	1.329	18.983	0.049	3	0.02	1.327	18.964	0.056	3	0.022	0.942254

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
217	227	SETIRVPPTLE	17.16	1800	7	1.813	25.899	0.036	4	0.023	1.828	26.112	0.057	3	0.023	0.434021
219	226	TIRVPPTL	16.83	300	4	1.206	30.152	0.029	3	0.012	1.195	29.882	0.07	3	0.028	0.587622
219	226	TIRVPPTL	16.83	1800	4	1.516	37.908	0.065	4	0.041	1.561	39.026	0.048	3	0.019	0.118618
220	226	IRVPPTL	16.04	300	3	1.158	38.593	0.016	3	0.007	1.136	37.863	0.068	3	0.027	0.295787
220	226	IRVPPTL	16.04	1800	3	1.474	49.148	0.097	4	0.061	1.527	50.91	0.02	3	0.008	0.179641
220	227	IRVPPTLE	15.46	300	4	1.182	29.538	0.079	3	0.032	1.151	28.767	0.057	3	0.023	0.252404
220	227	IRVPPTLE	15.46	1800	4	1.462	36.553	0.028	4	0.018	1.517	37.923	0.058	3	0.023	0.0311857
222	226	VPPTL	16.11	300	2	0.596	29.815	0.016	3	0.006	0.582	29.099	0.056	3	0.022	0.385669
222	226	VPPTL	16.11	1800	2	0.73	36.475	0.039	4	0.025	0.739	36.936	0.052	3	0.021	0.616542
223	226	PPTL	16.15	300	2	0.492	24.588	0.03	3	0.012	0.496	24.823	0.028	3	0.011	0.644481
223	226	PPTL	16.15	1800	2	0.604	30.216	0.03	4	0.019	0.614	30.679	0.01	3	0.004	0.400765
227	244	EVTQQPVRAENQVDVTCQ	14.76	300	15	6.69	44.597	0.115	3	0.046	6.652	44.346	0.463	3	0.186	0.763048
227	244	EVTQQPVRAENQVDVTCQ	14.76	1800	15	7.352	49.016	0.29	4	0.182	7.53	50.203	0.196	3	0.079	0.150965
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	300	25	8.885	35.539	0.212	3	0.085	8.617	34.467	0.672	3	0.27	0.222459
227	255	EVTQQPVRAENQVDVTCQVRKFYPQRLQL	19.67	1800	25	10.18	40.738	0.448	4	0.281	10.16	40.657	0.34	3	0.137	0.905614
245	255	VRKFYPQRLQL	18	300	8	2.958	36.974	0.095	3	0.038	2.889	36.108	0.132	3	0.053	0.148058
245	255	VRKFYPQRLQL	18	1800	8	3.096	38.701	0.093	4	0.059	3.107	38.836	0.034	3	0.014	0.74488
256	271	TWLENGDVSRTETAST	17.04	300	14	6.727	48.049	0.095	3	0.038	6.563	46.881	0.56	3	0.225	0.335465
256	271	TWLENGDVSRTETAST	17.04	1800	14	6.645	47.461	0.431	4	0.271	6.943	49.594	0.182	2	0.02	0.113931
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	300	25	9.391	37.566	0.374	3	0.151	9.008	36.032	0.684	3	0.276	0.121948
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	1800	25	9.517	38.069	0.596	4	0.374	9.619	38.476	1.489	2	0.166	0.668983
256	286	TWLENGDVSRTETASTVTENKDGTYNWM	22.36	300	29	9.422	32.489	0.442	3	0.178	8.87	30.586	0.526	3	0.212	0.0271707
256	286	TWLENGDVSRTETASTVTENKDGTYNWM	22.36	1800	29	9.519	32.823	0.641	4	0.403	9.184	31.67	0.618	3	0.249	0.2355
269	282	ASTVTENKDGTYNW	18.1	300	12	4.534	37.785	0.123	3	0.05	4.453	37.107	0.345	3	0.139	0.423132
269	282	ASTVTENKDGTYNW	18.1	1800	12	4.608	38.398	0.197	4	0.124	4.729	39.411	0.116	3	0.047	0.14587
269	286	ASTVTENKDGTYNWM	22.41	300	16	4.639	28.993	0.318	3	0.128	4.393	27.453	0.354	3	0.143	0.0907689

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Interva l (#D)	#Pts	Stddev	#D	%D	Conf Interva l (#D)	#Pts	Stddev	p
269	286	ASTVTENKDGTYNWMSWL	22.41	1800	16	4.733	29.582	0.364	4	0.229	4.614	28.837	0.243	3	0.098	0.399262
270	282	STVTENKDGTYNW	18	300	11	3.981	36.193	0.07	3	0.028	3.895	35.407	0.256	3	0.103	0.28002
270	282	STVTENKDGTYNW	18	1800	11	4.049	36.811	0.186	4	0.117	4.171	37.917	0.101	3	0.041	0.12724
270	286	STVTENKDGTYNWMSWL	22.44	300	15	4.339	28.925	0.383	3	0.154	4.066	27.104	0.225	3	0.091	0.071371
270	286	STVTENKDGTYNWMSWL	22.44	1800	15	4.402	29.344	0.418	4	0.263	4.191	27.942	0.294	3	0.118	0.222669
272	282	VTENKDGTYNW	17.74	300	9	2.465	27.387	0.15	3	0.06	2.352	26.137	0.218	3	0.088	0.149915
272	282	VTENKDGTYNW	17.74	1800	9	2.552	28.358	0.14	4	0.088	2.616	29.061	0.041	3	0.016	0.246309
272	283	VTENKDGTYNWM	19.48	300	10	2.835	28.348	0.095	3	0.038	2.778	27.779	0.246	3	0.099	0.431004
272	283	VTENKDGTYNWM	19.48	1800	10	2.942	29.419	0.189	4	0.119	3.009	30.093	0.055	3	0.022	0.342352
272	285	VTENKDGTYNWMSW	21.49	300	12	3.255	27.129	0.145	3	0.058	3.087	25.723	0.275	3	0.111	0.101202
272	285	VTENKDGTYNWMSW	21.49	1800	12	3.345	27.873	0.183	4	0.115	3.322	27.682	0.023	3	0.009	0.717694
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.723	20.943	0.205	3	0.083	2.533	19.484	0.245	3	0.099	0.0651062
272	286	VTENKDGTYNWMSWL	22.49	1800	13	2.806	21.588	0.216	4	0.136	2.679	20.61	0.112	3	0.045	0.158085
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.252	23.23	0.138	3	0.056	3.055	21.819	0.179	3	0.072	0.0222926
272	287	VTENKDGTYNWMSWLL	23.08	1800	14	3.433	24.523	0.279	4	0.175	3.298	23.556	0.066	3	0.027	0.21994
275	282	NKDGTYNW	16.96	300	6	0.783	13.055	0.032	3	0.013	0.776	12.935	0.124	3	0.05	0.828319
275	282	NKDGTYNW	16.96	1800	6	0.854	14.229	0.044	4	0.027	0.881	14.685	0.026	3	0.01	0.140479
275	286	NKDGTYNWMSWL	22.6	300	10	1.985	19.849	0.108	3	0.043	1.91	19.102	0.154	3	0.062	0.17131
275	286	NKDGTYNWMSWL	22.6	1800	10	1.946	19.46	0.163	4	0.102	1.977	19.765	0.046	3	0.018	0.596767
281	285	NWMSW	21.67	300	3	1.519	50.633	0.098	3	0.04	1.488	49.61	0.168	3	0.068	0.543165
281	285	NWMSW	21.67	1800	3	1.458	48.601	0.105	4	0.066	1.508	50.272	0.096	3	0.038	0.264781
281	286	NWMSWL	22.9	300	4	1.604	40.111	0.041	3	0.016	1.591	39.778	0.081	3	0.033	0.574052
281	286	NWMSWL	22.9	1800	4	1.58	39.504	0.036	4	0.023	1.612	40.288	0.011	3	0.004	0.068607
283	287	MSWLL	22.05	300	3	1.381	46.025	0.062	3	0.025	1.34	44.669	0.078	3	0.031	0.156935
283	287	MSWLL	22.05	1800	3	1.495	49.827	0.091	4	0.057	1.516	50.52	0.1	3	0.04	0.597046
286	292	LLVNVSA	17.3	300	5	2.716	54.324	0.04	3	0.016	2.676	53.518	0.2	3	0.081	0.479907
286	292	LLVNVSA	17.3	1800	5	2.655	53.1	0.13	4	0.082	2.717	54.346	0.124	3	0.05	0.268471
287	292	LVNVSA	8.3	300	4	2.68	66.991	0.089	3	0.036	2.61	65.248	0.224	3	0.09	0.313095

Appendix Table A4 – Nb 02

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb02					
						#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	p
287	292	LVNVSA	8.3	1800	4	2.608	65.196	0.124	4	0.078	2.677	66.93	0.075	3	0.03	0.177222
287	299	LVNVSAHRDDVKL	15.26	300	11	3.767	34.245	0.078	3	0.032	3.663	33.303	0.219	3	0.088	0.169357
287	299	LVNVSAHRDDVKL	15.26	1800	11	3.943	35.848	0.175	4	0.11	3.983	36.21	0.126	3	0.051	0.553766

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	p
1	14	EEELQVIQPKSVL	19.29	30	11	4.252	38.654	0.181	3	0.073	4.295	39.041	0.177	3	0.071	0.509063
1	14	EEELQVIQPKSVL	19.29	300	11	4.927	44.795	0.128	3	0.052	4.787	43.521	0.216	3	0.087	0.0888603
4	14	LQVIQPKSVL	18.26	30	8	3.022	37.775	0.047	3	0.019	3.09	38.624	0.182	3	0.073	0.245895
4	14	LQVIQPKSVL	18.26	300	8	3.723	46.544	0.099	3	0.04	3.667	45.843	0.205	3	0.082	0.369267
5	14	QVIQPKSVL	15.48	30	7	2.861	40.866	0.078	3	0.031	2.793	39.902	0.147	3	0.059	0.177149
5	14	QVIQPKSVL	15.48	300	7	2.98	42.578	0.08	3	0.032	2.929	41.838	0.156	3	0.063	0.294341
6	14	VIQPKSVL	15.59	30	6	2.859	47.651	0.091	3	0.037	2.801	46.679	0.115	3	0.046	0.165264
6	14	VIQPKSVL	15.59	300	6	2.976	49.604	0.077	3	0.031	2.935	48.919	0.133	3	0.053	0.327701
15	25	VAAGETATLRC	13.53	30	9	1.829	20.328	0.378	3	0.152	1.64	18.22		1	0	
15	25	VAAGETATLRC	13.53	300	9	2.989	33.206	0.138	3	0.056	2.724	30.267		1	0	
15	47	VAAGETATLRCATSLIPVGPIQWFRGAGPGRE	21.24	30	28	5.221	18.647	1.02	3	0.411	4.438	15.849	0.383	3	0.154	0.0662559
15	47	VAAGETATLRCATSLIPVGPIQWFRGAGPGRE	21.24	300	28	7.975	28.482	0.24	3	0.096	6.236	22.272	0.232	3	0.093	2.36E-05
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	30	20	4.358	21.789	0.437	3	0.176	3.604	18.018	0.14	3	0.056	0.011537
23	47	LRCTATSLIPVGPIQWFRGAGPGRE	21.05	300	20	6.256	31.281	0.239	3	0.096	4.878	24.388	0.238	3	0.096	6.17E-05 0.00073630
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	30	17	4.463	26.255	0.149	3	0.06	3.674	21.614	0.241	3	0.097	5
26	47	TATSLIPVGPIQWFRGAGPGRE	21.14	300	17	6.006	35.329	0.035	2	0.004	4.869	28.643	0.227	3	0.091	0.00209467
29	47	SLIPVGPIQWFRGAGPGRE	21.14	30	14	3.494	24.955	0.111	3	0.045	3.291	23.505	0.244	3	0.098	0.0521514
29	47	SLIPVGPIQWFRGAGPGRE	21.14	300	14	4.355	31.109	0.223	3	0.09	3.865	27.607	0.099	3	0.04	0.00450811
31	47	IPVGPIQWFRGAGPGRE	20.4	30	13	3.272	25.171	0.056	3	0.022	3.225	24.805	0.121	3	0.049	0.227207
31	47	IPVGPIQWFRGAGPGRE	20.4	300	13	3.738	28.754	0.074	3	0.03	3.722	28.63	0.177	3	0.071	0.742964
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	30	24	6.012	25.051	0.817	3	0.329	5.68	23.668	0.318	3	0.128	0.216203
39	66	FRGAGPGRELIYNQKEGHFPRVTTVSDL	19.05	300	24	7.409	30.869	0.222	3	0.089	6.705	27.936	0.393	3	0.158	0.00572033
48	62	LIYNQKEGHFPRVTT	16.64	30	12	2.969	24.742	0.233	3	0.094	3.066	25.553	0.174	3	0.07	0.229184
48	62	LIYNQKEGHFPRVTT	16.64	300	12	3.473	28.941	0.104	3	0.042	3.382	28.183	0.302	3	0.122	0.324512
48	65	LIYNQKEGHFPRVTTVSD	16.99	30	15	3.676	24.504	0.254	3	0.102	3.384	22.56	0.236	3	0.095	0.0225002

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Interva l (#D)	#Pts	Stddev	#D	%D	Conf Interva l (#D)	#Pts	Stddev	p
48	65	LIYNQKEGHFPRVTVSD	16.99	300	15	4.709	31.396	0.146	3	0.059	4.318	28.789	0.372	3	0.15	0.0322023
48	66	LIYNQKEGHFPRVTVSDL	18.64	30	16	3.847	24.044	0.455	3	0.183	3.434	21.461	0.198	3	0.08	0.0434043
48	66	LIYNQKEGHFPRVTVSDL	18.64	300	16	4.869	30.431	0.124	3	0.05	4.297	26.854	0.338	3	0.136	0.010834
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	30	23	6.605	28.717	0.517	3	0.208	5.551	24.136	0.35	3	0.141	0.00310715
48	73	LIYNQKEGHFPRVTVSDLTKRNNMD	17.97	300	23	7.689	33.432	0.274	3	0.11	6.936	30.155	0.437	3	0.176	0.00574134
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	30	24	6.31	26.293	0.471	3	0.19	5.362	22.341	0.338	3	0.136	0.003066
48	74	LIYNQKEGHFPRVTVSDLTKRNNMDF	19.06	300	24	7.381	30.754	0.184	3	0.074	6.665	27.77	0.373	3	0.15	0.00560431
48	75	LIYNQKEGHFPRVTVSDLTKRNNMDFS	18.93	30	25	6.946	27.783		1	0	5.843	23.371		1	0	
48	75	LIYNQKEGHFPRVTVSDLTKRNNMDFS	18.93	300	25	7.917	31.669	0.281	3	0.113	7.026	28.105	0.53	3	0.214	0.00745892
49	66	IYNQKEGHFPRVTVSDL	18.28	30	15	3.867	25.779	0.208	3	0.084	3.466	23.106	0.246	3	0.099	0.00632567
49	66	IYNQKEGHFPRVTVSDL	18.28	300	15	4.689	31.258	0.157	3	0.063	4.289	28.591	0.516	3	0.208	0.0687142
58	66	PRVTVSDL	15.4	30	7	2.681	38.298	0.099	3	0.04	2.413	34.467	0.127	3	0.051	0.00247031
58	66	PRVTVSDL	15.4	300	7	3.432	49.032	0.072	3	0.029	3.258	46.54	0.184	3	0.074	0.041041
63	74	VSDLTKRNNMDF	16.58	30	10	3.995	39.947	0.073	3	0.029	3.255	32.551	0.226	3	0.091	0.00252375
63	74	VSDLTKRNNMDF	16.58	300	10	4.086	40.86	0.14	3	0.056	3.948	39.477	0.133	3	0.053	0.0369692
63	75	VSDLTKRNNMDFS	15.53	30	11	4.23	38.451	0.039	3	0.016	3.422	31.108	0.27	3	0.109	0.00523679
63	75	VSDLTKRNNMDFS	15.53	300	11	4.437	40.339	0.207	3	0.083	4.176	37.96	0.229	3	0.092	0.0222128
66	74	LTKRNNMDF	13.6	30	7	2.216	31.652	0.019	3	0.008	1.516	21.661	0.193	3	0.078	0.00378141
66	74	LTKRNNMDF	13.6	300	7	2.33	33.285	0.084	3	0.034	2.179	31.129	0.162	3	0.065	0.0374754
67	74	TKRNNMDF	11.2	30	6	1.718	28.638	0.11	3	0.044	1.074	17.905	0.208	3	0.084	0.00123942
67	74	TKRNNMDF	11.2	300	6	1.816	30.26	0.128	3	0.051	1.705	28.413	0.197	3	0.079	0.12338
74	88	FSIRIGDITPADAGT	19.54	30	12	1.569	13.075	0.122	3	0.049	1.531	12.762	0.09	3	0.036	0.350007
74	88	FSIRIGDITPADAGT	19.54	300	12	2.188	18.236	0.095	3	0.038	2.09	17.42	0.144	3	0.058	0.0811502
75	88	SIRIGDITPADAGT	17.19	30	11	1.73	15.724	0.081	3	0.033	1.757	15.974	0.122	3	0.049	0.470338
75	88	SIRIGDITPADAGT	17.19	300	11	2.4	21.818	0.051	3	0.021	2.36	21.454	0.036	3	0.014	0.057182
76	88	IRIGDITPADAGT	16.88	30	10	1.719	17.194	0.043	3	0.017	1.752	17.517	0.137	3	0.055	0.420012
76	88	IRIGDITPADAGT	16.88	300	10	2.366	23.659	0.063	3	0.025	2.369	23.689	0.153	3	0.062	0.942499
89	104	YYCVKFRKGSPPDVEF	18.99	30	13	1.14	8.767	0.353	3	0.142	1.202	9.25	0.142	3	0.057	0.535402

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Interva l (#D)	#Pts	Stddev	#D	%D	Conf Interva l (#D)	#Pts	Stddev	p
89	104	YCVKFRKGGSPDDVEF	18.99	300	13	2.125	16.345	0.124	3	0.05	2.011	15.469	0.129	3	0.052	0.0520662
90	103	YCVKFRKGGSPDDVE	14.79	30	11	1.583	14.391	0.04	3	0.016	1.569	14.264	0.258	3	0.104	0.838052
90	103	YCVKFRKGGSPDDVE	14.79	300	11	2.257	20.518	0.179	3	0.072	2.277	20.699	0.033	3	0.013	0.680855
90	104	YCVKFRKGGSPDDVEF	18.32	30	12	1.256	10.463	0.086	3	0.035	1.316	10.964	0.051	3	0.02	0.0753816
90	104	YCVKFRKGGSPDDVEF	18.32	300	12	2.173	18.105	0.051	3	0.021	2.168	18.066	0.177	3	0.071	0.920413
91	104	CVKFRKGGSPDDVEF	17.01	30	11	1.415	12.865	0.079	3	0.032	1.455	13.225	0.133	3	0.054	0.346346
91	104	CVKFRKGGSPDDVEF	17.01	300	11	2.379	21.626	0.182	3	0.073	2.287	20.795	0.2	3	0.08	0.219898
104	112	FKSGAGTEL	12.68	30	7	1.107	15.821	0.047	3	0.019	1.086	15.51	0.089	3	0.036	0.420534
104	112	FKSGAGTEL	12.68	300	7	1.533	21.895	0.082	3	0.033	1.434	20.49	0.092	3	0.037	0.0273113
104	114	FKSGAGTELSV	16.17	30	9	1.222	13.582	0.112	3	0.045	1.163	12.917	0.108	3	0.044	0.173918
104	114	FKSGAGTELSV	16.17	300	9	2.185	24.278	0.059	3	0.024	2.081	23.12	0.091	3	0.037	0.0199103
105	112	KSGAGTEL	3.6	30	6	0.9	14.999	0.092	3	0.037	0.794	13.234	0.104	3	0.042	0.0308723
105	112	KSGAGTEL	3.6	300	6	1.315	21.919	0.131	3	0.053	1.237	20.615	0.061	3	0.024	0.108075
105	114	KSGAGTELSV	12.89	30	8	0.823	10.286	0.091	3	0.037	0.791	9.89	0.074	3	0.03	0.31206
105	114	KSGAGTELSV	12.89	300	8	1.684	21.055	0.106	3	0.043	1.591	19.893	0.08	3	0.032	0.0437048
113	137	SVRAKPSAPVVS GPAARATPQHTVS	11.17	30	19	7.81	41.106	0.076	3	0.031	7.877	41.46	0.343	3	0.138	0.491024
113	137	SVRAKPSAPVVS GPAARATPQHTVS	11.17	300	19	9.126	48.033	0.211	3	0.085	9.008	47.411	0.431	3	0.174	0.369683
113	138	SVRAKPSAPVVS GPAARATPQHTVSF	15.73	30	20	6.989	34.946	0.208	3	0.084	6.923	34.614	0.247	3	0.099	0.426885
113	138	SVRAKPSAPVVS GPAARATPQHTVSF	15.73	300	20	8.221	41.103	0.287	3	0.115	7.879	39.395	0.405	3	0.163	0.0473046
113	152	ESHGFS PRDITL	19.21	30	33	7.026	21.291	1.516	3	0.61	7.174	21.741	0.407	3	0.164	0.71925
113	152	ESHGFS PRDITL	19.21	300	33	9.254	28.041	0.171	3	0.069	8.611	26.093	0.184	3	0.074	0.000400102
115	137	RAKPSAPVVS GPAARATPQHTVS	10.68	30	17	7.127	41.926	0.047	3	0.019	7.281	42.828	0.494	3	0.199	0.312981
115	137	RAKPSAPVVS GPAARATPQHTVS	10.68	300	17	8.153	47.958	0.382	3	0.154	8.048	47.34	0.416	3	0.167	0.468583
138	149	FTCESHGFS PRD	15.42	30	9	1.152	12.797	0.136	3	0.055	1.172	13.023	0.102	3	0.041	0.635802
138	149	FTCESHGFS PRD	15.42	300	9	1.361	15.124	0.078	3	0.031	1.327	14.739	0.043	3	0.017	0.190109
138	152	FTCESHGFS PRDITL	19.78	30	12	1.846	15.387	0.25	3	0.101	1.825	15.209	0.122	3	0.049	0.762851
138	152	FTCESHGFS PRDITL	19.78	300	12	2.685	22.374	0.063	3	0.025	2.56	21.333	0.073	3	0.03	0.0054851

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	30	22	3.445	15.658	0.392	3	0.158	3.635	16.522	0.249	2	0.028	0.167407
139	163	TCESHGFSPRDITLKWFKNGNELSD	20.13	300	22	4.504	20.473	0.309	3	0.124	4.457	20.258	0.351	3	0.141	0.686615
150	160	ITLKWFKNGNE	19.21	30	9	1.485	16.498	0.092	3	0.037	1.47	16.332	0.051	3	0.02	0.582182
150	160	ITLKWFKNGNE	19.21	300	9	1.618	17.978	0.102	3	0.041	1.526	16.955	0.126	3	0.051	0.0734417
150	161	ITLKWFKNGNEL	20.05	30	10	1.377	13.77	0.228	3	0.092	1.281	12.813	0.07	3	0.028	0.206092
150	161	ITLKWFKNGNEL	20.05	300	10	1.574	15.735	0.144	3	0.058	1.371	13.714	0.122	3	0.049	0.010561
150	163	ITLKWFKNGNELSD	19.56	30	12	2.25	18.752	0.169	3	0.068	2.184	18.202	0.15	3	0.06	0.27835
150	163	ITLKWFKNGNELSD	19.56	300	12	2.452	20.436	0.116	3	0.047	2.238	18.652	0.205	3	0.083	0.0271732
150	164	ITLKWFKNGNELSDF	20.74	30	13	2.305	17.728	0.304	3	0.122	2.172	16.706	0.058	3	0.023	0.196778
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.582	19.861	0.2	3	0.08	2.266	17.431	0.249	3	0.1	0.014501
152	163	LKWFKNGNELSD	18.17	30	10	1.839	18.386	0.046	3	0.019	1.865	18.647	0.163	3	0.066	0.567893
152	163	LKWFKNGNELSD	18.17	300	10	2.012	20.116	0.106	3	0.043	1.944	19.44	0.169	3	0.068	0.232413
152	164	LKWFKNGNELSDF	20.17	30	11	1.84	16.728	0.089	3	0.036	1.781	16.189	0.117	3	0.047	0.161785
152	164	LKWFKNGNELSDF	20.17	300	11	2.013	18.298	0.117	3	0.047	1.846	16.78	0.155	3	0.062	0.0237248
153	161	KWFKNGNEL	17.1	30	7	0.873	12.475	0.009	3	0.003	0.91	13.007	0.074	3	0.03	0.162932
153	161	KWFKNGNEL	17.1	300	7	1.011	14.444	0.058	3	0.023	1.022	14.596	0.087	3	0.035	0.687381
153	163	KWFKNGNELSD	15.89	30	9	1.786	19.84	0.089	3	0.036	1.826	20.293	0.112	3	0.045	0.2896
153	163	KWFKNGNELSD	15.89	300	9	1.945	21.613	0.079	3	0.032	1.911	21.235	0.172	3	0.069	0.498059
153	164	KWFKNGNELSDF	19.44	30	10	1.763	17.635	0.051	3	0.021	1.746	17.459	0.098	3	0.039	0.542617
153	164	KWFKNGNELSDF	19.44	300	10	1.956	19.561	0.098	3	0.039	1.804	18.045	0.148	3	0.06	0.0274274
155	163	FKNGNELSD	6.09	30	7	2.7	38.567	0.195	3	0.078	2.827	40.392	0.185	3	0.075	0.1106
155	163	FKNGNELSD	6.09	300	7	2.982	42.599	0.128	3	0.051	2.952	42.167	0.265	3	0.107	0.689522
164	173	FQTNVDPVGE	15.84	30	7	2.851	40.731	0.188	3	0.076	2.918	41.688	0.118	3	0.047	0.275705
164	173	FQTNVDPVGE	15.84	300	7	3.049	43.559	0.15	3	0.061	2.969	42.41	0.199	3	0.08	0.242349
164	174	FQTNVDPVGES	15.57	30	8	3.747	46.836	0.124	3	0.05	3.818	47.722	0.132	3	0.053	0.16786
164	174	FQTNVDPVGES	15.57	300	8	4.041	50.512	0.086	3	0.035	4.005	50.061	0.229	3	0.092	0.578066
164	176	FQTNVDPVGESVS	16.73	30	10	5.009	50.092	0.081	3	0.032	5.058	50.578	0.221	3	0.089	0.450279
164	176	FQTNVDPVGESVS	16.73	300	10	5.3	52.999	0.077	3	0.031	5.253	52.532	0.241	3	0.097	0.497721

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Interva l (#D)	#Pts	Stddev	#D	%D	Conf Interva l (#D)	#Pts	Stddev	p
164	177	FQTNVDPVGESVSY	18.66	30	11	4.687	42.606	0.13	3	0.052	4.681	42.551	0.209	3	0.084	0.920674
164	177	FQTNVDPVGESVSY	18.66	300	11	5.162	46.924	0.074	3	0.03	5.012	45.563	0.322	3	0.13	0.178278
164	183	FQTNVDPVGESVSYSIHSTA	19.05	30	17	5.138	30.222	0.143	3	0.058	5.169	30.409	0.143	3	0.058	0.536861
164	183	FQTNVDPVGESVSYSIHSTA	19.05	300	17	5.795	34.089	0.189	3	0.076	5.52	32.471	0.328	3	0.132	0.047705
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	30	21	5.733	27.3	0.535	3	0.215	5.711	27.193	0.237	3	0.095	0.880572
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	300	21	6.99	33.284	0.265	3	0.107	6.723	32.014	0.169	3	0.068	0.0287237
165	174	QTNVDPVGES	7.07	30	7	3.449	49.276	0.106	3	0.042	3.549	50.704	0.205	3	0.083	0.159543
165	174	QTNVDPVGES	7.07	300	7	3.746	53.517	0.185	3	0.074	3.701	52.869	0.292	3	0.117	0.607341
165	176	QTNVDPVGESVS	13.71	30	9	4.23	47.001	0.124	3	0.05	4.303	47.81	0.144	3	0.058	0.176511
165	176	QTNVDPVGESVS	13.71	300	9	4.455	49.495	0.098	3	0.039	4.414	49.047	0.178	3	0.072	0.454482
165	177	QTNVDPVGESVSY	17.17	30	10	4.209	42.094	0.173	3	0.069	4.2	41.995	0.285	3	0.115	0.905779
165	177	QTNVDPVGESVSY	17.17	300	10	4.66	46.596	0.087	3	0.035	4.544	45.439	0.233	3	0.094	0.15484
165	183	QTNVDPVGESVSYSIHSTA	18.32	30	16	4.846	30.288	0.102	3	0.041	4.828	30.172	0.132	3	0.053	0.657607
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.554	34.711	0.147	3	0.059	5.283	33.016	0.274	3	0.11	0.0318253
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	30	20	5.414	27.072	0.467	3	0.188	5.354	26.771	0.127	3	0.051	0.640989
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.599	32.993	0.214	3	0.086	6.351	31.754	0.176	3	0.071	0.0197041
174	183	SVSYIHSTA	13.32	30	8	1.15	14.372	0.068	3	0.027	1.139	14.239	0.049	3	0.02	0.615654
174	183	SVSYIHSTA	13.32	300	8	1.743	21.788	0.086	3	0.035	1.739	21.742	0.178	3	0.072	0.941227
175	183	VSYIHSTA	12.57	30	7	0.63	9.001	0.094	3	0.038	0.627	8.963	0.057	3	0.023	0.922865
175	183	VSYIHSTA	12.57	300	7	1.193	17.042	0.034	3	0.014	1.176	16.8	0.055	3	0.022	0.334603
175	187	VSYIHSTAKVVL	17.59	30	11	1.395	12.683	0.049	3	0.02	1.404	12.767	0.073	3	0.029	0.678296
175	187	VSYIHSTAKVVL	17.59	300	11	2.357	21.431	0.048	3	0.019	2.209	20.081	0.179	3	0.072	0.0616386
177	187	YSIHSTAKVVL	16.72	30	9	1.083	12.036	0.087	3	0.035	1.095	12.169	0.136	3	0.055	0.768116
177	187	YSIHSTAKVVL	16.72	300	9	1.658	18.421	0.091	3	0.037	1.627	18.077	0.099	3	0.04	0.37916
178	187	SIHSTAKVVL	13.67	30	8	1.023	12.785	0.073	3	0.03	1.025	12.812	0.059	3	0.024	0.92422
178	187	SIHSTAKVVL	13.67	300	8	1.61	20.12	0.023	3	0.009	1.57	19.628	0.044	3	0.018	0.0404998
179	187	IHSTAKVVL	13.75	30	7	0.882	12.604	0.075	3	0.03	0.889	12.694	0.032	3	0.013	0.763771
179	187	IHSTAKVVL	13.75	300	7	1.368	19.536	0.019	3	0.008	1.368	19.546	0.028	3	0.011	0.935728

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
188	219	TREDVHSQVICEVAHVTLQGDPLRGADLSET	20.03	30	29	6.396	22.054	0.22	3	0.089	6.526	22.505	0.19	3	0.076	0.126454
188	219	TREDVHSQVICEVAHVTLQGDPLRGADLSET	20.03	300	29	8.194	28.253	0.268	3	0.108	8.056	27.781	0.362	3	0.146	0.265808
200	205	VAHVTL	13.3	30	4	1.299	32.483	0.07	3	0.028	1.293	32.325	0.091	3	0.037	0.826259
200	205	VAHVTL	13.3	300	4	2.339	58.463	0.052	3	0.021	2.29	57.239	0.124	3	0.05	0.226455
200	219	VAHVTLQGDPLRGADLSET	18.13	30	17	5.93	34.883	0.137	3	0.055	6.003	35.313	0.355	3	0.143	0.477578
200	219	VAHVTLQGDPLRGADLSET	18.13	300	17	7.543	44.371	0.136	3	0.055	7.467	43.925	0.363	3	0.146	0.471384
200	226	VAHVTLQGDPLRGADLSETIRVPPTL	19.91	30	22	6.385	29.021	0.183	3	0.074	6.63	30.138	0.381	3	0.153	0.0912818
200	226	VAHVTLQGDPLRGADLSETIRVPPTL	19.91	300	22	8.16	37.089	0.152	3	0.061	8.289	37.678	0.416	3	0.168	0.312538
201	205	AHVTL	13.38	30	3	1.073	35.752	0.104	3	0.042	1.072	35.741	0.087	3	0.035	0.992433
201	205	AHVTL	13.38	300	3	1.86	62.016	0.051	3	0.021	1.84	61.338	0.079	3	0.032	0.413819
202	219	HVTLQGDPLRGADLSET	18.07	30	15	4.562	30.411	0.12	3	0.048	4.634	30.891	0.248	3	0.1	0.345509
202	219	HVTLQGDPLRGADLSET	18.07	300	15	5.964	39.76	0.121	3	0.049	5.989	39.924	0.287	3	0.116	0.759044
206	219	QGDPLRGADLSET	16.13	30	11	2.403	21.85	0.053	3	0.021	2.463	22.395	0.098	3	0.039	0.101003
206	219	QGDPLRGADLSET	16.13	300	11	2.878	26.164	0.117	3	0.047	2.838	25.799	0.181	3	0.073	0.4759
217	226	SETIRVPPTL	17.59	30	6	0.989	16.486	0.086	3	0.035	0.989	16.488	0.064	3	0.026	0.997204
217	226	SETIRVPPTL	17.59	300	6	1.321	22.021	0.032	3	0.013	1.28	21.33	0.031	3	0.013	0.0165731
217	227	SETIRVPPTLE	17.16	30	7	0.995	14.219	0.111	3	0.045	1.004	14.342	0.057	3	0.023	0.786645
217	227	SETIRVPPTLE	17.16	300	7	1.329	18.983	0.049	3	0.02	1.313	18.759	0.055	3	0.022	0.41355
219	226	TIRVPPTL	16.83	30	4	0.923	23.063	0.022	3	0.009	0.927	23.163	0.08	3	0.032	0.851911
219	226	TIRVPPTL	16.83	300	4	1.206	30.152	0.029	3	0.012	1.176	29.39	0.045	3	0.018	0.082056
220	226	IRVPPTL	16.04	30	3	0.83	27.677	0.129	3	0.052	0.869	28.981	0.042	3	0.017	0.320799
220	226	IRVPPTL	16.04	300	3	1.158	38.593	0.016	3	0.007	1.148	38.271	0.002	3	0.001	0.121007
220	227	IRVPPTLE	15.46	30	4	0.864	21.602	0.047	3	0.019	0.871	21.775	0.032	3	0.013	0.628051
220	227	IRVPPTLE	15.46	300	4	1.182	29.538	0.079	3	0.032	1.143	28.566	0.032	3	0.013	0.1577
222	226	VPPTL	16.11	30	2	0.454	22.709	0.02	3	0.008	0.453	22.649	0.012	3	0.005	0.839497
222	226	VPPTL	16.11	300	2	0.596	29.815	0.016	3	0.006	0.582	29.091	0.042	3	0.017	0.269557
223	226	PPTL	16.15	30	2	0.357	17.834	0.066	3	0.027	0.368	18.398	0.038	3	0.015	0.567304

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
223	226	PPTL	16.15	300	2	0.492	24.588	0.03	3	0.012	0.48	23.994	0.023	3	0.009	0.252197
227	244	EVTQQPVRAENQVDVTCQ	14.76	30	15	5.529	36.863	0.193	3	0.078	5.733	38.222	0.598	3	0.241	0.277419
227	244	EVTQQPVRAENQVDVTCQ EVTQQPVRAENQVDVTCQVRKFYPQRL	14.76	300	15	6.69	44.597	0.115	3	0.046	6.522	43.479	0.255	3	0.103	0.0880869
227	255	QL EVTQQPVRAENQVDVTCQVRKFYPQRL	19.67	30	25	6.928	27.713	0.75	3	0.302	6.911	27.643	0.175	3	0.071	0.930896
227	255	QL	19.67	300	25	8.885	35.539	0.212	3	0.085	8.451	33.802	0.136	3	0.055	0.00325437
245	255	VRKFYPQRLQL	18	30	8	2.384	29.795	0.161	3	0.065	2.366	29.58	0.115	3	0.046	0.729602
245	255	VRKFYPQRLQL	18	300	8	2.958	36.974	0.095	3	0.038	2.864	35.806	0.092	3	0.037	0.0383666
256	271	TWLENGDVSRTETAST	17.04	30	14	6.455	46.104	0.159	3	0.064	6.557	46.835	0.217	3	0.087	0.18322
256	271	TWLENGDVSRTETAST	17.04	300	14	6.758	48.272	0.087	3	0.035	6.657	47.549	0.408	3	0.164	0.39768
256	282	TWLENGDVSRTETASTVTENKDGTYNW	19.9	30	25	8.242	32.97	0.351	3	0.141	8.08	32.319	0.282	3	0.113	0.198036
256	282	TWLENGDVSRTETASTVTENKDGTYNW TWLENGDVSRTETASTVTENKDGTYNW	19.9	300	25	9.391	37.566	0.374	3	0.151	8.676	34.705	0.485	3	0.195	0.00864658
256	286	MSWL TWLENGDVSRTETASTVTENKDGTYNW	22.36	30	29	7.684	26.495	1.274	3	0.513	7.354	25.36	0.462	3	0.186	0.385497
256	286	MSWL	22.36	300	29	9.422	32.489	0.442	3	0.178	8.458	29.165	0.185	3	0.074	0.00493916
269	282	ASTVTENKDGTYNW	18.1	30	12	3.716	30.965	0.084	3	0.034	3.761	31.34	0.216	3	0.087	0.473164
269	282	ASTVTENKDGTYNW	18.1	300	12	4.534	37.785	0.123	3	0.05	4.471	37.261	0.216	3	0.087	0.351922
269	286	ASTVTENKDGTYNWMSWL	22.41	30	16	3.467	21.667	0.514	3	0.207	3.26	20.372	0.223	3	0.09	0.218764
269	286	ASTVTENKDGTYNWMSWL	22.41	300	16	4.639	28.993	0.318	3	0.128	4.196	26.225	0.198	3	0.08	0.0112007
270	282	STVTENKDGTYNW	18	30	11	3.191	29.007	0.078	3	0.031	3.223	29.296	0.174	3	0.07	0.528752
270	282	STVTENKDGTYNW	18	300	11	3.981	36.193	0.07	3	0.028	3.922	35.651	0.183	3	0.074	0.295168
270	286	STVTENKDGTYNWMSWL	22.44	30	15	3.135	20.902	0.811	3	0.326	2.941	19.609	0.249	3	0.1	0.414664
270	286	STVTENKDGTYNWMSWL	22.44	300	15	4.328	28.852	0.398	3	0.16	3.86	25.731	0.068	3	0.027	0.0337113
272	282	VTENKDGTYNW	17.74	30	9	1.671	18.564	0.123	3	0.05	1.706	18.959	0.147	3	0.059	0.470665
272	282	VTENKDGTYNW	17.74	300	9	2.477	27.521	0.104	3	0.042	2.388	26.532	0.171	3	0.069	0.143768
272	283	VTENKDGTYNWM	19.48	30	10	2.043	20.428	0.173	3	0.07	2.022	20.218	0.161	3	0.065	0.721191
272	283	VTENKDGTYNWM	19.48	300	10	2.835	28.348	0.095	3	0.038	2.81	28.105	0.138	3	0.055	0.57001
272	285	VTENKDGTYNWMSW	21.49	30	12	2.12	17.664	0.381	3	0.153	2.021	16.842	0.12	3	0.048	0.383297

Appendix Table A4 – Nb 03

Start	End	Sequence	RT [min]	Deut Time (sec)	maxD	SIRPa					SIRPa + Nb03					
						#D	%D	Conf Interva l (#D)	#Pts	Stddev	#D	%D	Conf Interva l (#D)	#Pts	Stddev	p
272	285	VTENKDGTYNWMSW	21.49	300	12	3.255	27.129	0.145	3	0.058	3.016	25.135	0.212	3	0.085	0.0203803
272	286	VTENKDGTYNWMSWL	22.49	30	13	1.614	12.416	0.448	3	0.18	1.466	11.276	0.175	3	0.07	0.289469
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.495	19.192	0.207	3	0.083	2.186	16.813	0.151	3	0.061	0.00828035
272	287	VTENKDGTYNWMSWLL	23.08	30	14	1.76	12.573	0.608	3	0.245	1.622	11.584	0.185	3	0.075	0.433593
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.252	23.23	0.138	3	0.056	2.904	20.743	0.098	3	0.039	0.00143685
275	286	NKDGTYNWMSWL	22.6	30	10	1.273	12.734	0.249	3	0.1	1.213	12.131	0.081	3	0.033	0.409738
275	286	NKDGTYNWMSWL	22.6	300	10	1.985	19.849	0.108	3	0.043	1.863	18.628	0.092	3	0.037	0.0215171
281	285	NWMSW	21.67	30	3	0.939	31.289	0.143	3	0.058	0.937	31.22	0.035	3	0.014	0.956766
281	285	NWMSW	21.67	300	3	1.497	49.893	0.149	3	0.06	1.521	50.707	0.125	3	0.05	0.619096
281	286	NWMSWL	22.9	30	4	1.029	25.72	0.093	3	0.038	1.005	25.132	0.104	3	0.042	0.509359
281	286	NWMSWL	22.9	300	4	1.604	40.111	0.041	3	0.016	1.586	39.645	0.047	3	0.019	0.270634
283	287	MSWLL	22.05	30	3	0.478	15.938	0.102	3	0.041	0.458	15.258	0.085	3	0.034	0.545209
283	287	MSWLL	22.05	300	3	1.381	46.025	0.062	3	0.025	1.322	44.059	0.121	3	0.049	0.160015
286	292	LLNVSA	17.3	30	5	2.65	53.009	0.151	3	0.061	2.709	54.173	0.156	3	0.063	0.312505
286	292	LLNVSA	17.3	300	5	2.716	54.324	0.04	3	0.016	2.691	53.828	0.17	3	0.068	0.598284
287	292	LVNVSA	8.3	30	4	2.689	67.236	0.289	3	0.116	2.703	67.563	0.096	3	0.039	0.867593
287	292	LVNVSA	8.3	300	4	2.68	66.991	0.089	3	0.036	2.668	66.696	0.167	3	0.067	0.805882
287	299	LVNVSAHRDDVKL	15.26	30	11	2.95	26.816	0.07	3	0.028	2.944	26.766	0.138	3	0.056	0.886925
287	299	LVNVSAHRDDVKL	15.26	300	11	3.767	34.245	0.078	3	0.032	3.745	34.048	0.23	3	0.093	0.730759

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	#D	%D	Conf Interva l (#D)	#Pt s	Stdde v	p
1	14	EEELQVIQPKSVL	19.29	300	11	4.927	44.795	0.128	3	0.052	4.705	42.769	0.183	3	0.074	0.0160897
1	14	EEELQVIQPKSVL	19.29	1800	11	4.894	44.491	0.307	3	0.124	4.907	44.608	0.058	3	0.023	0.874416
4	14	LQVIQPKSVL	18.26	300	8	3.723	46.544	0.099	3	0.04	3.585	44.81	0.104	3	0.042	0.0142891
4	14	LQVIQPKSVL	18.26	1800	8	3.701	46.264	0.196	3	0.079	3.774	47.174	0.069	3	0.028	0.246784
5	14	QVIQPKSVL	15.48	300	7	2.98	42.578	0.08	3	0.032	2.906	41.518	0.084	3	0.034	0.0512469
5	14	QVIQPKSVL	15.48	1800	7	2.999	42.837	0.2	3	0.08	3.053	43.613	0.025	3	0.01	0.362072
6	14	VIQPKSVL	15.59	300	6	2.976	49.604	0.077	3	0.031	2.904	48.401	0.092	3	0.037	0.0633556
6	14	VIQPKSVL	15.59	1800	6	2.96	49.326	0.208	3	0.084	3.032	50.541	0.042	3	0.017	0.268335
15	25	VAAGETALRC	13.53	300	9	2.989	33.206	0.138	3	0.056	2.708	30.084	0.21	3	0.085	0.0122864
15	25	VAAGETALRC	13.53	1800	9	3.7	41.114	0.232	3	0.093	3.761	41.789	0.034	3	0.014	0.376325
15	47	VAAGETALRC VAAGETALRC TATS LIPV GPIQ WFR GAGPGRE	21.24	300	28	7.975	28.482	0.24	3	0.096	7.49	26.751	0.82	2	0.091	0.0195616
15	47	VAAGETALRC VAAGETALRC TATS LIPV GPIQ WFR GAGPGRE	21.24	1800	28	9.419	33.639	0.626	3	0.252	9.336	33.342	0.463	3	0.186	0.671458
23	47	LRCTATSLIPV GPIQWFR GAGPGRE	21.05	300	20	6.267	31.334	0.193	3	0.078	5.888	29.438	0.402	3	0.162	0.0377352
23	47	LRCTATSLIPV GPIQWFR GAGPGRE	21.05	1800	20	6.949	34.745	0.38	3	0.153	6.971	34.855	0.208	3	0.084	0.839867
26	47	TATSLIPV GPIQWFR GAGPGRE	21.14	300	17	6.006	35.329	0.035	2	0.004	5.7	33.53	0.318	3	0.128	0.053627
26	47	TATSLIPV GPIQWFR GAGPGRE	21.14	1800	17	6.618	38.931	2.082	2	0.232	6.707	39.453	0.118	3	0.047	0.682866
28	47	TSLIPV GPIQWFR GAGPGRE	21.16	300	15	5.053	33.687	0.415	3	0.167	4.775	31.83	1.084	2	0.121	0.123898
28	47	TSLIPV GPIQWFR GAGPGRE	21.16	1800	15	5.787	38.579	0.918	3	0.37	5.648	37.65	0.264	3	0.106	0.586359
29	47	SLIPV GPIQWFR GAGPGRE	21.14	300	14	4.355	31.109	0.223	3	0.09	4.219	30.137	0.171	3	0.069	0.110649
29	47	SLIPV GPIQWFR GAGPGRE	21.14	1800	14	5.016	35.827	0.339	3	0.136	5.125	36.608	0.224	3	0.09	0.320053
31	47	IPV GPIQWFR GAGPGRE	20.4	300	13	3.738	28.754	0.074	3	0.03	3.564	27.416	0.091	3	0.036	0.00349072
31	47	IPV GPIQWFR GAGPGRE	20.4	1800	13	4.331	33.317	0.271	3	0.109	4.338	33.37	0.075	3	0.03	0.924732
39	66	FRGAGPGRE LIYNQKEGH FPRVTTV SDL	19.05	300	24	7.409	30.869	0.222	3	0.089	6.681	27.839	0.346	3	0.139	0.00296475
39	66	FRGAGPGRE LIYNQKEGH FPRVTTV SDL	19.05	1800	24	7.663	31.928	0.528	3	0.213	7.378	30.74	0.213	3	0.086	0.132821

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
48	62	LIYNQKEGHFPRVTT	16.64	300	12	3.473	28.941	0.104	3	0.042	3.224	26.866	0.168	3	0.068	0.00933758
48	62	LIYNQKEGHFPRVTT	16.64	1800	12	3.853	32.112	0.254	3	0.102	3.835	31.959	0.117	3	0.047	0.797165
48	65	LIYNQKEGHFPRVTTVSD	16.99	300	15	4.709	31.396	0.146	3	0.059	4.337	28.912	0.178	3	0.072	0.00255663
48	65	LIYNQKEGHFPRVTTVSD	16.99	1800	15	5.028	33.522	0.331	3	0.133	4.952	33.013	0.194	3	0.078	0.45021
48	66	LIYNQKEGHFPRVTTVSDL	18.64	300	16	4.869	30.431	0.124	3	0.05	4.42	27.622	0.146	3	0.059	0.000614418
48	66	LIYNQKEGHFPRVTTVSDL	18.64	1800	16	5.107	31.918	0.436	3	0.176	4.939	30.87	0.169	3	0.068	0.234458
48	73	LIYNQKEGHFPRVTTVSDLTKRNNM D	17.97	300	23	7.689	33.432	0.274	3	0.11	7.162	31.139	0.311	3	0.125	0.00565205
48	73	LIYNQKEGHFPRVTTVSDLTKRNNM D	17.97	1800	23	7.772	33.79	0.682	3	0.275	7.61	33.089	0.205	3	0.082	0.419045
48	74	LIYNQKEGHFPRVTTVSDLTKRNNM DF	19.06	300	24	7.381	30.754	0.184	3	0.074	6.79	28.293	0.256	3	0.103	0.00192709
48	74	LIYNQKEGHFPRVTTVSDLTKRNNM DF	19.06	1800	24	7.446	31.026	0.55	3	0.221	7.321	30.506	0.332	3	0.134	0.459973
49	66	IYNQKEGHFPRVTTVSDL	18.28	300	15	4.689	31.258	0.157	3	0.063	4.264	28.424	0.3	3	0.121	0.0122073
49	66	IYNQKEGHFPRVTTVSDL	18.28	1800	15	4.917	32.778	0.454	3	0.183	4.765	31.766	0.193	3	0.078	0.286674
58	66	PRVTTVSDL	15.4	300	7	3.432	49.032	0.072	3	0.029	3.335	47.641	0.171	3	0.069	0.119495
58	66	PRVTTVSDL	15.4	1800	7	3.705	52.933	0.147	3	0.059	3.79	54.144	0.041	3	0.017	0.122431
63	66	VSDL	4.32	300	2	1.194	59.701	0.052	3	0.021	1.147	57.356	0.031	3	0.012	0.0397048
63	66	VSDL	4.32	1800	2	1.136	56.819	0.092	3	0.037	1.18	59.013	0.057	3	0.023	0.170506
63	75	VSDLTKRNNMDFS	15.53	300	11	4.441	40.369	0.193	3	0.078	4.329	39.352	0.122	3	0.049	0.115298
63	75	VSDLTKRNNMDFS	15.53	1800	11	4.662	42.383	0.245	3	0.099	4.788	43.525	0.036	3	0.015	0.156092
66	74	LTKRNNMDF	13.6	300	7	2.33	33.285	0.084	3	0.034	2.192	31.319	0.163	3	0.065	0.0480119
66	74	LTKRNNMDF	13.6	1800	7	2.229	31.844	0.192	3	0.077	2.294	32.77	0.05	3	0.02	0.28199
67	74	TKRNNMDF	11.2	300	6	1.816	30.26	0.128	3	0.051	1.775	29.585	0.163	3	0.066	0.449974
67	74	TKRNNMDF	11.2	1800	6	1.735	28.913	0.22	3	0.089	1.83	30.499	0.085	3	0.034	0.195289
67	75	TKRNNMDFS	7.46	300	7	2.588	36.966	0.214	3	0.086	2.484	35.482	0.142	3	0.057	0.167918
67	75	TKRNNMDFS	7.46	1800	7	2.803	40.042	0.308	3	0.124	2.951	42.152	0.107	3	0.043	0.165307
74	88	FSIRIGDITPADAGT	19.54	300	12	2.188	18.236	0.095	3	0.038	2.053	17.104	0.081	3	0.033	0.00994876
74	88	FSIRIGDITPADAGT	19.54	1800	12	2.425	20.208	0.135	3	0.055	2.339	19.494	0.004	3	0.002	0.112551

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
75	88	SIRIGDITPADAGT	17.19	300	11	2.4	21.818	0.051	3	0.021	2.286	20.784	0.074	3	0.03	0.00771774
75	88	SIRIGDITPADAGT	17.19	1800	11	2.656	24.147	0.118	3	0.047	2.609	23.715	0.024	3	0.009	0.221226
76	88	IRIGDITPADAGT	16.88	300	10	2.366	23.659	0.063	3	0.025	2.29	22.902	0.136	3	0.055	0.12432
76	88	IRIGDITPADAGT	16.88	1800	10	2.636	26.361	0.162	3	0.065	2.612	26.12	0.048	3	0.019	0.592689
89	104	YCVKFRKGGSPDDVEF	18.99	300	13	2.125	16.345	0.124	3	0.05	1.933	14.866	0.054	3	0.022	0.01142
89	104	YCVKFRKGGSPDDVEF	18.99	1800	13	2.92	22.46	0.177	3	0.071	2.865	22.036	0.142	3	0.057	0.357011
90	103	YCVKFRKGGSPDDVE	14.79	300	11	2.238	20.347	0.104	3	0.042	2.129	19.353	0.392	3	0.158	0.35258
90	103	YCVKFRKGGSPDDVE	14.79	1800	11	2.842	25.833	0.276	3	0.111	3.037	27.607	0.473	3	0.191	0.216799
90	104	YCVKFRKGGSPDDVEF	18.32	300	12	2.173	18.105	0.051	3	0.021	2.006	16.717	0.097	3	0.039	0.00704769
90	104	YCVKFRKGGSPDDVEF	18.32	1800	12	3.104	25.866	0.365	3	0.147	3.057	25.478	0.16	3	0.064	0.652952
91	104	CVKFRKGGSPDDVEF	17.01	300	11	2.234	20.312	0.532	3	0.214	2.094	19.037	0.06	2	0.007	0.374835
91	104	CVKFRKGGSPDDVEF	17.01	1800	11	3.124	28.401	0.099	3	0.04	3.169	28.812	0.134	3	0.054	0.314679
104	112	FKSGAGTEL	12.68	300	7	1.533	21.895	0.082	3	0.033	1.51	21.569	0.106	3	0.043	0.508315
104	112	FKSGAGTEL	12.68	1800	7	1.731	24.723	0.147	3	0.059	1.766	25.233	0.017	3	0.007	0.406828
104	114	FKSGAGTELSV	16.17	300	9	2.245	24.941	0.087	3	0.035	2.018	22.422	0.018	3	0.007	0.00608217
104	114	FKSGAGTELSV	16.17	1800	9	2.768	30.757	0.179	3	0.072	2.786	30.951	0.101	3	0.041	0.738541
105	112	KSGAGTEL	3.6	300	6	1.315	21.919	0.131	3	0.053	1.269	21.156	0.086	3	0.035	0.287657
105	112	KSGAGTEL	3.6	1800	6	1.593	26.544	0.117	3	0.047	1.602	26.702	0.092	3	0.037	0.797934
105	114	KSGAGTELSV	12.89	300	8	1.684	21.055	0.106	3	0.043	1.529	19.109	0.109	3	0.044	0.0117887
105	114	KSGAGTELSV	12.89	1800	8	2.263	28.284	0.159	3	0.064	2.266	28.324	0.049	3	0.02	0.940405
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	300	19	9.126	48.033	0.211	3	0.085	8.72	45.895	0.336	3	0.135	0.0169671
113	137	SVRAKPSAPVVSGPAARATPQHTVS	11.17	1800	19	10.19	53.648	0.531	3	0.214	9.987	52.562	0.012	3	0.005	0.236331
113	138	F SVRAKPSAPVVSGPAARATPQHTVS	15.73	300	20	8.221	41.103	0.287	3	0.115	7.715	38.574	0.356	3	0.143	0.00990045
113	138	F	15.73	1800	20	9.212	46.061	0.461	3	0.186	8.902	44.511	0.044	3	0.018	0.100179
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	300	17	8.169	48.05	0.448	3	0.18	7.845	46.147	0.318	3	0.128	0.071181
115	137	RAKPSAPVVSGPAARATPQHTVS	10.68	1800	17	9.089	53.467	0.489	3	0.197	8.95	52.645	0.211	3	0.085	0.347874

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
138	149	FTCESHGFSRPD	15.42	300	9	1.361	15.124	0.078	3	0.031	1.028	11.421	0.103	3	0.042	0.000549151
138	149	FTCESHGFSRPD	15.42	1800	9	1.438	15.976	0.179	3	0.072	1.195	13.283	0.017	3	0.007	0.0274178
138	152	FTCESHGFSRPDITL	19.78	300	12	2.685	22.374	0.063	3	0.025	1.316	10.966	0.169	3	0.068	0.000210704
138	152	FTCESHGFSRPDITL	19.78	1800	12	2.949	24.579	0.183	3	0.074	1.825	15.21	0.237	3	0.095	0.000129195
139	163	TCESHGFSRPDITLKWFKNGNELSD	20.13	300	22	4.504	20.473	0.309	3	0.124	2.832	12.874	0.362	3	0.146	0.000131067
139	163	TCESHGFSRPDITLKWFKNGNELSD	20.13	1800	22	4.784	21.743	0.28	3	0.113	3.584	16.292	0.237	3	0.095	0.000174717
150	160	ITLKWFKNGNE	19.21	300	9	1.618	17.978	0.102	3	0.041	1.317	14.634	0.07	3	0.028	0.000872064
150	160	ITLKWFKNGNE	19.21	1800	9	1.604	17.823	0.14	3	0.056	1.513	16.807	0.132	3	0.053	0.110438
150	161	ITLKWFKNGNEL	20.05	300	10	1.574	15.735	0.144	3	0.058	1.235	12.348	0.052	3	0.021	0.00484358
150	161	ITLKWFKNGNEL	20.05	1800	10	1.689	16.886	0.218	3	0.088	1.511	15.109	0.101	3	0.041	0.0542917
150	163	ITLKWFKNGNELSD	19.56	300	12	2.452	20.436	0.116	3	0.047	2.05	17.085	0.132	3	0.053	0.000653179
150	163	ITLKWFKNGNELSD	19.56	1800	12	2.533	21.109	0.25	3	0.101	2.384	19.868	0.071	3	0.029	0.115588
150	164	ITLKWFKNGNELSDF	20.74	300	13	2.582	19.861	0.2	3	0.08	1.654	12.72	0.139	3	0.056	0.000172423
150	164	ITLKWFKNGNELSDF	20.74	1800	13	2.7	20.773	0.38	3	0.153	1.995	15.344	0.094	3	0.038	0.0115402
152	163	LKWFKNGNELSD	18.17	300	10	2.012	20.116	0.106	3	0.043	1.823	18.228	0.133	3	0.054	0.00993527
152	163	LKWFKNGNELSD	18.17	1800	10	2.101	21.011	0.169	3	0.068	2.018	20.182	0.033	3	0.013	0.165867
152	164	LKWFKNGNELSDF	20.17	300	11	2.013	18.298	0.117	3	0.047	1.337	12.152	0.214	3	0.086	0.00108047
152	164	LKWFKNGNELSDF	20.17	1800	11	2.169	19.72	0.53	3	0.214	1.573	14.303	0.106	3	0.043	0.0358407
153	161	KWFKNGNEL	17.1	300	7	1.011	14.444	0.058	3	0.023	0.938	13.402	0.058	3	0.024	0.0190131
153	161	KWFKNGNEL	17.1	1800	7	1.097	15.667	0.065	3	0.026	1.057	15.095	0.018	3	0.007	0.10796
153	163	KWFKNGNELSD	15.89	300	9	1.945	21.613	0.079	3	0.032	1.841	20.454	0.109	3	0.044	0.0334511
153	163	KWFKNGNELSD	15.89	1800	9	2.003	22.259	0.159	3	0.064	1.98	22	0.069	3	0.028	0.608333
153	164	KWFKNGNELSDF	19.44	300	10	1.956	19.561	0.098	3	0.039	1.335	13.348	0.206	3	0.083	0.00165936
153	164	KWFKNGNELSDF	19.44	1800	10	1.989	19.886	0.203	3	0.082	1.537	15.365	0.128	3	0.051	0.00253315

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
155	163	FKNGNELSD	6.09	300	7	2.982	42.599	0.128	3	0.051	2.864	40.918	0.208	3	0.084	0.121466
155	163	FKNGNELSD	6.09	1800	7	2.935	41.932	0.297	3	0.119	3.067	43.817	0.056	3	0.023	0.192124
161	164	LSDF	13.91	300	2	0.83	41.483	0.038	3	0.015	0.337	16.849	0.159	3	0.064	0.00381656
161	164	LSDF	13.91	1800	2	0.781	39.041	0.087	3	0.035	0.408	20.401	0.123	3	0.049	0.00074363
164	174	FQTNVDPVGES	15.57	300	8	4.041	50.512	0.086	3	0.035	2.881	36.016	0.256	3	0.103	0.00109015
164	174	FQTNVDPVGES	15.57	1800	8	4.198	52.469	0.296	3	0.119	3.265	40.818	0.196	3	0.079	0.00073608
164	176	FQTNVDPVGESVS	16.73	300	10	5.037	50.365	0.103	3	0.042	3.931	39.309	0.211	3	0.085	0.00032464
164	176	FQTNVDPVGESVS	16.73	1800	10	5.154	51.544	0.326	3	0.131	4.342	43.418	0.117	3	0.047	0.00018896
164	177	FQTNVDPVGESVSY	18.66	300	11	5.162	46.924	0.074	3	0.03	3.965	36.044	0.297	3	0.12	0.00429733
164	177	FQTNVDPVGESVSY	18.66	1800	11	5.528	50.251	0.378	3	0.152	4.588	41.705	0.257	3	0.104	0.00206893
164	183	FQTNVDPVGESVSYSIHSTA	19.05	300	17	5.795	34.089	0.189	3	0.076	4.385	25.796	0.294	3	0.118	0.00157089
164	183	FQTNVDPVGESVSYSIHSTA	19.05	1800	17	6.319	37.173	0.437	3	0.176	5.037	29.628	0.185	3	0.074	0.00018896
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	300	21	6.99	33.284	0.265	3	0.107	5.044	24.021	0.341	3	0.137	0.00222592
164	187	FQTNVDPVGESVSYSIHSTAKVVL	20.32	1800	21	7.946	37.839	0.698	3	0.281	5.898	28.085	0.241	3	0.097	6.51E-05
165	174	QTNVDPVGES	7.07	300	7	3.746	53.517	0.185	3	0.074	3.103	44.332	0.211	3	0.085	0.00303147
165	174	QTNVDPVGES	7.07	1800	7	3.903	55.762	0.291	3	0.117	3.429	48.982	0.136	3	0.055	0.00064745
165	176	QTNVDPVGESVS	13.71	300	9	4.455	49.495	0.098	3	0.039	3.95	43.89	0.187	3	0.075	0.00937045
165	176	QTNVDPVGESVS	13.71	1800	9	4.58	50.89	0.35	3	0.141	4.28	47.561	0.103	3	0.042	0.00189741
165	177	QTNVDPVGESVSY	17.17	300	10	4.66	46.596	0.087	3	0.035	3.896	38.957	0.234	3	0.094	0.0564715
165	177	QTNVDPVGESVSY	17.17	1800	10	5.052	50.517	0.306	3	0.123	4.429	44.292	0.2	3	0.08	0.00209156
165	183	QTNVDPVGESVSYSIHSTA	18.32	300	16	5.554	34.711	0.147	3	0.059	4.429	27.678	0.182	3	0.073	0.00322758
165	183	QTNVDPVGESVSYSIHSTA	18.32	1800	16	6.046	37.788	0.361	3	0.145	4.998	31.236	0.253	3	0.102	4.55E-05
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	300	20	6.599	32.993	0.214	3	0.086	4.922	24.611	0.402	3	0.162	0.00088769
165	187	QTNVDPVGESVSYSIHSTAKVVL	20.07	1800	20	7.423	37.117	0.477	3	0.192	5.7	28.499	0.159	3	0.064	0.00049848
174	183	SVSYSIHSTA	13.32	300	8	1.745	21.817	0.076	3	0.031	0.857	10.707	0.051	3	0.02	0.00192212
174	183	SVSYSIHSTA	13.32	1800	8	2.2	27.498	0.132	3	0.053	1.251	15.64	0.343	3	0.138	7.66E-06

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
175	183	VSYSIHSTA	12.57	300	7	1.193	17.042	0.034	3	0.014	0.398	5.682	0.169	3	0.068	0.00173826
175	183	VSYSIHSTA	12.57	1800	7	1.669	23.843	0.079	3	0.032	0.724	10.348	0.24	3	0.097	0.00157912
175	187	VSYSIHSTAKVVL	17.59	300	11	2.357	21.431	0.048	3	0.019	1.201	10.917	0.075	3	0.03	3.78E-06
175	187	VSYSIHSTAKVVL	17.59	1800	11	2.993	27.206	0.122	3	0.049	1.698	15.434	0.304	3	0.122	0.000922598
177	187	YSIHSTAKVVL	16.72	300	9	1.658	18.421	0.091	3	0.037	1.008	11.196	0.024	3	0.01	0.000530543
177	187	YSIHSTAKVVL	16.72	1800	9	1.97	21.89	0.066	3	0.027	1.3	14.449	0.3	3	0.121	0.008261
178	187	SIHSTAKVVL	13.67	300	8	1.61	20.12	0.023	3	0.009	1.006	12.576	0.068	3	0.027	0.000209584
178	187	SIHSTAKVVL	13.67	1800	8	1.918	23.977	0.083	3	0.033	1.245	15.565	0.199	3	0.08	0.00156746
179	187	IHSTAKVVL	13.75	300	7	1.368	19.536	0.019	3	0.008	0.876	12.521	0.058	3	0.023	0.000245823
179	187	IHSTAKVVL	13.75	1800	7	1.657	23.674	0.049	3	0.02	1.089	15.558	0.202	3	0.081	0.00467832
188	199	TREDVHSQVICE	11.82	300	10	1.456	14.564	0.09	3	0.036	1.365	13.647	0.098	3	0.039	0.041612
188	199	TREDVHSQVICE	11.82	1800	10	1.815	18.147	0.111	3	0.045	1.826	18.26	0.087	3	0.035	0.748356
188	219	TREDVHSQVICEVAHVTLQGDPLRG TADLSET	20.03	300	29	8.194	28.253	0.268	3	0.108	7.071	24.383	0.644	3	0.259	0.0088802
188	219	TREDVHSQVICEVAHVTLQGDPLRG TADLSET	20.03	1800	29	9.331	32.175	0.771	3	0.311	9.314	32.116	0.388	3	0.156	0.937875
200	205	VAHVTL	13.3	300	4	2.339	58.463	0.052	3	0.021	1.514	37.861	0.162	3	0.065	0.000886697
200	205	VAHVTL	13.3	1800	4	2.329	58.237	0.116	3	0.047	2.297	57.431	0.068	3	0.028	0.374493
200	219	VAHVTLQGDPLRG TADLSET	18.13	300	17	7.543	44.371	0.136	3	0.055	6.524	38.377	0.369	3	0.149	0.00324163
200	219	VAHVTLQGDPLRG TADLSET	18.13	1800	17	8.385	49.326	0.539	3	0.217	8.434	49.61	0.043	3	0.017	0.737725
200	226	VAHVTLQGDPLRG TADLSETIRVPPT L	19.91	300	22	8.16	37.089	0.152	3	0.061	7.229	32.86	0.389	3	0.157	0.00427608
200	226	VAHVTLQGDPLRG TADLSETIRVPPT L	19.91	1800	22	9.258	42.082	0.508	3	0.204	9.389	42.675	0.092	3	0.037	0.384267
201	205	AHVTL	13.38	300	3	1.851	61.688	0.063	3	0.025	1.254	41.816	0.15	3	0.06	0.000996276
201	205	AHVTL	13.38	1800	3	1.837	61.217	0.107	3	0.043	1.822	60.748	0.014	3	0.006	0.630442
202	219	HVTLQGDPLRG TADLSET	18.07	300	15	5.964	39.76	0.121	3	0.049	5.151	34.34	0.428	3	0.172	0.010169

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
202	219	HVTLQGDPLRGADLSET	18.07	1800	15	6.84	45.601	0.415	3	0.167	6.899	45.996	0.103	3	0.041	0.606182
206	219	QGDPLRGADLSET	16.13	300	11	2.878	26.164	0.117	3	0.047	2.734	24.854	0.118	3	0.047	0.0203925
206	219	QGDPLRGADLSET	16.13	1800	11	3.733	33.936	0.261	3	0.105	3.787	34.428	0.032	3	0.013	0.466511
217	226	SETIRVPPTL	17.59	300	6	1.321	22.021	0.032	3	0.013	1.26	20.996	0.051	3	0.021	0.0174886
217	226	SETIRVPPTL	17.59	1800	6	1.745	29.083	0.091	3	0.037	1.779	29.656	0.008	3	0.003	0.243762
217	227	SETIRVPPTLE	17.16	300	7	1.329	18.983	0.049	3	0.02	1.279	18.272	0.064	3	0.026	0.0606656
217	227	SETIRVPPTLE	17.16	1800	7	1.809	25.841	0.065	3	0.026	1.788	25.549	0.032	3	0.013	0.313828
219	226	TIRVPPTL	16.83	300	4	1.206	30.152	0.029	3	0.012	1.23	30.762	0.135	3	0.054	0.518883
219	226	TIRVPPTL	16.83	1800	4	1.504	37.59	0.097	3	0.039	1.535	38.372	0.012	3	0.005	0.299176
220	226	IRVPPTL	16.04	300	3	1.158	38.593	0.016	3	0.007	1.123	37.439	0.033	3	0.013	0.0283848
220	226	IRVPPTL	16.04	1800	3	1.461	48.694	0.165	3	0.067	1.487	49.559	0.066	3	0.026	0.580719
220	227	IRVPPTLE	15.46	300	4	1.182	29.538	0.079	3	0.032	1.127	28.163	0.043	3	0.018	0.0764018
220	227	IRVPPTLE	15.46	1800	4	1.457	36.424	0.044	3	0.018	1.491	37.287	0.057	3	0.023	0.111795
222	226	VPPTL	16.11	300	2	0.596	29.815	0.016	3	0.006	0.567	28.357	0.014	3	0.006	0.00418356
222	226	VPPTL	16.11	1800	2	0.723	36.169	0.065	3	0.026	0.752	37.582	0.015	3	0.006	0.196435
223	226	PPTL	16.15	300	2	0.492	24.588	0.03	3	0.012	0.475	23.726	0.026	3	0.011	0.136622
223	226	PPTL	16.15	1800	2	0.597	29.859	0.037	3	0.015	0.625	31.24	0.039	3	0.016	0.0904467
227	244	EVTQQPVRAENQVDVTCQ	14.76	300	15	6.69	44.597	0.115	3	0.046	6.435	42.9	0.252	3	0.101	0.0326677
227	244	EVTQQPVRAENQVDVTCQ	14.76	1800	15	7.311	48.739	0.494	3	0.199	7.364	49.091	0.05	3	0.02	0.691494
227	255	EVTQQPVRAENQVDVTCQVRKFYP	19.67	300	25	8.885	35.539	0.212	3	0.085	8.455	33.822	0.367	3	0.148	0.0194255
227	255	EVTQQPVRAENQVDVTCQVRKFYP	19.67	1800	25	10.09	40.379	0.659	3	0.265	10.14	40.596	0.368	3	0.148	0.776332
245	255	VRKFYPQRLQL	18	300	8	2.958	36.974	0.095	3	0.038	2.833	35.408	0.074	3	0.03	0.012479
245	255	VRKFYPQRLQL	18	1800	8	3.073	38.416	0.112	3	0.045	3.062	38.274	0.057	3	0.023	0.72516
256	271	TWLENGDVSRTETAST	17.04	300	14	6.758	48.272	0.087	3	0.035	6.556	46.831	0.078	3	0.032	0.00182537
256	271	TWLENGDVSRTETAST	17.04	1800	14	6.788	48.483	0.475	3	0.191	6.872	49.083	0.299	3	0.12	0.560717
256	282	TWLENGDVSRTETASTVTENKDGTY NW	19.9	300	25	9.391	37.566	0.374	3	0.151	8.788	35.153	0.269	3	0.108	0.00649943

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
256	282	TWLENGDVSRTETASTVTENKDGTY NW	19.9	1800	25	9.428	37.712	1.053	3	0.424	9.245	36.978	0.422	3	0.17	0.543123
256	286	TWLENGDVSRTETASTVTENKDGTY NWMSWL	22.36	300	29	9.428	32.512	0.438	3	0.176	8.138	28.062	0.233	3	0.094	0.00143227
256	286	TWLENGDVSRTETASTVTENKDGTY NWMSWL	22.36	1800	29	9.415	32.465	0.975	3	0.393	8.566	29.54	0.412	3	0.166	0.0483779
269	282	ASTVTENKDGTYNW	18.1	300	12	4.534	37.785	0.123	3	0.05	4.375	36.456	0.136	3	0.055	0.0206061
269	282	ASTVTENKDGTYNW	18.1	1800	12	4.57	38.086	0.3	3	0.121	4.658	38.821	0.013	3	0.005	0.333543
269	286	ASTVTENKDGTYNWMSWL	22.41	300	16	4.639	28.993	0.318	3	0.128	4.189	26.183	0.137	3	0.055	0.0146887
269	286	ASTVTENKDGTYNWMSWL	22.41	1800	16	4.677	29.23	0.605	3	0.244	4.368	27.302	0.116	3	0.047	0.15538
270	282	STVTENKDGTYNW	18	300	11	3.981	36.193	0.07	3	0.028	3.913	35.569	0.117	3	0.047	0.110558
270	282	STVTENKDGTYNW	18	1800	11	4.017	36.523	0.298	3	0.12	4.177	37.973	0.108	3	0.044	0.135978
270	286	STVTENKDGTYNWMSWL	22.44	300	15	4.328	28.852	0.398	3	0.16	3.871	25.808	0.257	3	0.103	0.0196331
270	286	STVTENKDGTYNWMSWL	22.44	1800	15	4.318	28.787	0.77	3	0.31	4.068	27.117	0.193	3	0.078	0.294626
272	282	VTENKDGTYNW	17.74	300	9	2.465	27.387	0.15	3	0.06	2.364	26.265	0.096	3	0.038	0.0818921
272	282	VTENKDGTYNW	17.74	1800	9	2.515	27.941	0.138	3	0.056	2.59	28.783	0.06	3	0.024	0.128527
272	283	VTENKDGTYNWM	19.48	300	10	2.835	28.348	0.095	3	0.038	2.694	26.939	0.058	3	0.023	0.00950766
272	283	VTENKDGTYNWM	19.48	1800	10	2.897	28.972	0.238	3	0.096	2.917	29.166	0.028	3	0.011	0.760176
272	285	VTENKDGTYNWMSW	21.49	300	12	3.255	27.129	0.145	3	0.058	3.009	25.075	0.075	3	0.03	0.0074229
272	285	VTENKDGTYNWMSW	21.49	1800	12	3.313	27.606	0.291	3	0.117	3.22	26.837	0.061	3	0.024	0.304385
272	286	VTENKDGTYNWMSWL	22.49	300	13	2.723	20.943	0.205	3	0.083	2.448	18.834	0.145	3	0.058	0.0120718
272	286	VTENKDGTYNWMSWL	22.49	1800	13	2.785	21.427	0.392	3	0.158	2.579	19.837	0.028	3	0.011	0.150806
272	287	VTENKDGTYNWMSWLL	23.08	300	14	3.252	23.23	0.138	3	0.056	2.869	20.495	0.022	3	0.009	0.0058997
272	287	VTENKDGTYNWMSWLL	23.08	1800	14	3.393	24.234	0.472	3	0.19	3.146	22.474	0.073	3	0.03	0.150978
275	282	NKDGTYNW	16.96	300	6	0.783	13.055	0.032	3	0.013	0.77	12.825	0.082	3	0.033	0.556296
275	282	NKDGTYNW	16.96	1800	6	0.845	14.076	0.062	3	0.025	0.855	14.249	0.027	3	0.011	0.558859
275	286	NKDGTYNWMSWL	22.6	300	10	1.985	19.849	0.108	3	0.043	1.856	18.561	0.044	3	0.018	0.0230918
275	286	NKDGTYNWMSWL	22.6	1800	10	1.923	19.228	0.278	3	0.112	1.942	19.419	0.045	3	0.018	0.796822
281	285	NWMSW	21.67	300	3	1.519	50.633	0.098	3	0.04	1.431	47.7	0.038	3	0.015	0.0471377

Appendix Table A4 – Nb 04

Start	End	Sequence	RT [min]	Deut Time (sec)	max D	SIRPa					SIRPa + Nb04					
						#D	%D	Conf Intervals (#D)	#Pts	Stddev	#D	%D	Conf Intervals (#D)	#Pts	Stddev	p
281	285	NWMSW	21.67	1800	3	1.428	47.59	0.079	3	0.032	1.491	49.709	0.078	3	0.032	0.0697644
281	286	NWMSWL	22.9	300	4	1.604	40.111	0.041	3	0.016	1.573	39.319	0.04	3	0.016	0.0742221
281	286	NWMSWL	22.9	1800	4	1.574	39.342	0.057	3	0.023	1.57	39.257	0.083	3	0.034	0.893198
283	287	MSWLL	22.05	300	3	1.381	46.025	0.062	3	0.025	1.338	44.598	0.054	3	0.022	0.0896806
283	287	MSWLL	22.05	1800	3	1.478	49.259	0.139	3	0.056	1.505	50.15	0.067	3	0.027	0.511594
287	292	LVNVSA	8.3	300	4	2.68	66.991	0.089	3	0.036	2.621	65.516	0.068	3	0.027	0.0907408
287	292	LVNVSA	8.3	1800	4	2.584	64.602	0.187	3	0.075	2.666	66.648	0.036	3	0.014	0.196662
287	299	LVNVSAHRDDVKL	15.26	300	11	3.767	34.245	0.078	3	0.032	3.641	33.098	0.105	3	0.042	0.0169286
287	299	LVNVSAHRDDVKL	15.26	1800	11	3.9	35.455	0.208	3	0.084	3.929	35.722	0.113	3	0.045	0.6289