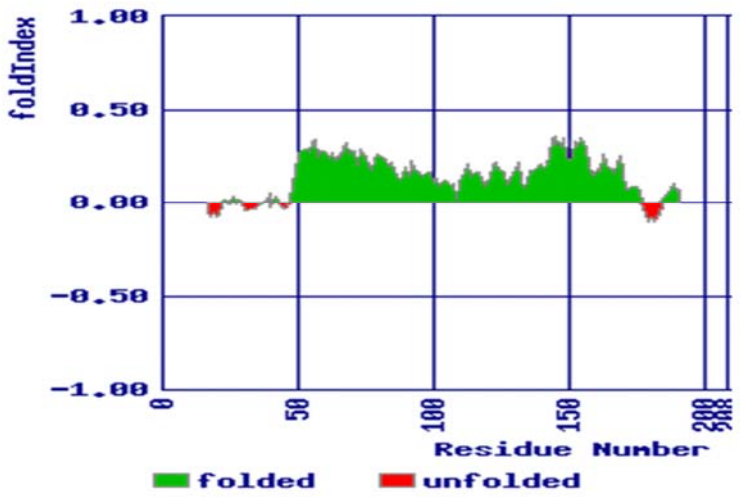
Supplemental Figure Legends

Fig. S1. Prediction of *Mtb* SodC intrinsically folded regions by FoldIndex©.



1 CSSPQHASTV PGTTPSIWTG SPAPSGLSGH DEESPGAQSL TSTLTAPDGT

51 KVATAKFEFA NGYATVTIAT TGVGKLTPGF HGLHIHQVGK CEPNSVAPTG

101 GAPGNFLSAG GHYHVPGHTG TPASGDLASL QVRGDGSAML VTTTDAFTMD

151 DLLSGAKTAI IIHAGADNFA NIPPERYVQV NGTPGPDETT LTTGDAGKRV

201 ACGVIGSG

(Red denotes the predicted disordered segment)

Table SI: rSodC peptide mapping

Trypsin

Peptide	Sequence	Previous amino acid	Next amino acid	Peptide identification probability	SEQUEST XCorr score	SEQUEST DCn score	X! Tandem -log(e) score	Modifications	Precursor Mass (*m/z*)	Spectrum charge	Actual peptide mass (AMU)	Actual minus calculated peptide mass (AMU)	Peptide start index	Peptide stop index
Try1	DEESPGAQSLTSTLTAPDGTK	H	V	95.00%	5.55	0	0		1053.86	2	2105.71	1.7	23	43
Try1	DEESPGAQSLTSTLTAPDGTK	H	V	95.00%	5.07	0	0		1053.85	2	2105.68	1.7	23	43
Try1	DEESPGAQSLTSTLTAPDGTK	H	V	95.00%	4.86	0	0		1053.42	2	2104.82	0.84	23	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.45	0	0		1092.74	1	1091.73	1.2	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.35	0	0		1092.39	1	1091.38	0.83	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.13	0	0		1091.69	1	1090.68	0.13	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.27	0	0		1091.68	1	1090.67	0.12	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.67	0	0		547.23	2	1092.44	1.9	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.16	0.915	0		546.76	2	1091.5	0.95	33	43
Try2	TSTLTAPDGTK	L	V	95.00%	2.3	0.904	0		546.74	2	1091.46	0.91	33	43
Try3	VATAK	K	F	95.00%	2.3	0	0.602		490.66	1	489.65	1.4	44	48
Try3	VATAK	K	F	95.00%	1.91	0	0.602		490.54	1	489.53	1.2	44	48
Try3	VATAK	K	F	95.00%	1.98	0	0.678		490.35	1	489.34	1.1	44	48
Try3	VATAK	K	F	95.00%	1.94	0	0.658		489.96	1	488.95	0.66	44	48
Try3	VATAK	K	F	95.00%	1.67	0	0.62		489.91	1	488.9	0.61	44	48
Try3	VATAK	K	F	95.00%	2	0	0.678		489.66	1	488.65	0.36	44	48
Try3	VATAK	K	F	95.00%	1.87	0	0.678		489.61	1	488.6	0.31	44	48
Try3	VATAK	K	F	95.00%	1.75	0	0.585		489.6	1	488.59	0.3	44	48
Try3	VATAK	K	F	95.00%	1.7	0	0.602		489.58	1	488.57	0.28	44	48
Try3	VATAK	K	F	95.00%	1.98	0	0.638		489.57	1	488.56	0.27	44	48
Try3	VATAK	K	F	95.00%	1.54	0	0.62		489.56	1	488.55	0.26	44	48
Try3	VATAK	K	F	95.00%	2.03	0	0.678		489.54	1	488.53	0.24	44	48
Try3	VATAK	K	F	95.00%	1.86	0	0.638		489.53	1	488.52	0.23	44	48
Try3	VATAK	K	F	95.00%	1.49	0	0.62		489.51	1	488.5	0.21	44	48
Try3	VATAK	K	F	95.00%	1.46	0	0.658		489.5	1	488.49	0.2	44	48
Try3	VATAK	K	F	95.00%	1.37	0	0.602		489.48	1	488.47	0.18	44	48
Try3	VATAK	K	F	95.00%	1.77	0	0.699		489.47	1	488.46	0.17	44	48
Try3	VATAK	K	F	95.00%	1.82	0	0.678		489.47	1	488.46	0.17	44	48
Try3	VATAK	K	F	95.00%	1.93	0	0.678		489.47	1	488.46	0.17	44	48
Try3	VATAK	K	F	95.00%	1.89	0	0.658		489.46	1	488.45	0.16	44	48
Try3	VATAK	K	F	95.00%	1.79	0	0.658		489.45	1	488.44	0.15	44	48
Try3	VATAK	K	F	95.00%	1.74	0	0.678		489.41	1	488.4	0.11	44	48
Try3	VATAK	K	F	95.00%	1.51	0	0.658		489.17	1	488.16	-0.13	44	48
Try3	VATAK	K	F	95.00%	1.51	0	0.638		488.87	1	487.86	-0.43	44	48
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	3.44	0	6.85		1950.04	1	1949.03	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.97	0	4.04		1949.14	1	1948.13	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.94	0	4.77		1949.09	1	1948.08	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.81	0	4.11		1949.09	1	1948.08	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	3.13	0	5.55		1949.08	1	1948.07	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.65	0	4.72		1949.05	1	1948.04	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.69	0	3.96		1949.04	1	1948.03	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.57	0	3.16		1949.04	1	1948.03	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.47	0	5.38		1948.6	1	1947.59	1.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.86	0	4.8		1948.23	1	1947.22	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	3.01	0	5.11		1948.1	1	1947.09	1.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.06	0	1.39		1948.03	1	1947.02	1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	2.81	0	6.34		1947.99	1	1946.98	1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.36		976.25	2	1950.48	4.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.36		976.25	2	1950.48	4.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.35		976.22	2	1950.43	4.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.92		976.21	2	1950.41	4.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.35		976.2	2	1950.38	4.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.92		976.19	2	1950.37	4.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	7.54		976.18	2	1950.34	4.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.92		976.18	2	1950.34	4.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.4		976.17	2	1950.32	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.89		976.1	2	1950.18	4.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	7.14		976.09	2	1950.17	4.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.89		976.08	2	1950.14	4.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	12		976.07	2	1950.12	4.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.19		976.04	2	1950.07	4.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.96		976	2	1949.98	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	11.2		976	2	1949.99	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.92		975.99	2	1949.97	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.17		975.98	2	1949.94	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.68		975.98	2	1949.95	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.62		975.97	2	1949.92	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	7.52		975.96	2	1949.9	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	11.2		975.96	2	1949.9	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	12		975.96	2	1949.91	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	12.7		975.95	2	1949.88	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.96		975.95	2	1949.88	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.19		975.95	2	1949.89	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.4		975.95	2	1949.89	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.89		975.94	2	1949.86	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.6		975.92	2	1949.83	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.5		975.9	2	1949.78	3.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.57	0	8.96		975.83	2	1949.64	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.74	0	12		975.73	2	1949.44	3.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.71	0	10.5		975.72	2	1949.43	3.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.84	0	9.12		975.7	2	1949.38	3.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.71	0	8.96		975.7	2	1949.39	3.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.63	0	9.64		975.7	2	1949.39	3.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.95	0	11.2		975.64	2	1949.26	3.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.64	0	10.5		975.63	2	1949.25	3.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.48	0	6.92		975.61	2	1949.21	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	6.03	0	10.4		975.59	2	1949.16	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.63	0	10.4		975.59	2	1949.17	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.56	0	8.96		975.58	2	1949.14	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.92	0	12		975.58	2	1949.15	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.62	0	10.5		975.58	2	1949.15	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.88	0	11.2		975.58	2	1949.15	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.38	0	10.5		975.57	2	1949.13	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.61	0	9		975.54	2	1949.07	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	6.02	0	10.5		975.53	2	1949.04	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.96	0	12.7		975.52	2	1949.02	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.52	0	11.2		975.52	2	1949.03	3.1	49	67

Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.75	0	11.2	975.52	2	1949.03	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.87	0	9.66	975.51	2	1949.01	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.99	0	10.5	975.49	2	1948.97	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.65	0	10.4	975.48	2	1948.94	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.53	0	12	975.47	2	1948.93	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.99	0	11.2	975.47	2	1948.93	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.67	0	10.5	975.47	2	1948.93	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.54	0	10.5	975.46	2	1948.9	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.62	0	10.5	975.44	2	1948.87	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.64	0	11.2	975.44	2	1948.87	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.87	0	9.77	975.43	2	1948.84	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.6	0	11.9	975.43	2	1948.84	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.74	0	11.2	975.42	2	1948.83	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.44	0	7.52	975.41	2	1948.8	2.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.95	0	12	975.39	2	1948.77	2.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.54	0	8.96	975.37	2	1948.72	2.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.81	0	10.5	975.36	2	1948.7	2.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.8	0	8.18	975.34	2	1948.67	2.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.86	0	9.64	975.3	2	1948.59	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.78	0	10.4	975.29	2	1948.57	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.9	0	12	975.29	2	1948.57	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.47	0	9.64	975.29	2	1948.57	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.87	0	11.9	975.24	2	1948.47	2.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.66	0	10.5	975.14	2	1948.27	2.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.55	0	11.2	975.12	2	1948.22	2.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.68	0	12	975.1	2	1948.19	2.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.62	0	11.2	975.08	2	1948.15	2.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.6	0	11.2	975.08	2	1948.15	2.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	6.13	0	11.9	975.07	2	1948.13	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.8	0	11.9	975.05	2	1948.08	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.58	0	10.6	975.01	2	1948	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.83	0	10.5	975.01	2	1948.01	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.66	0	12	974.98	2	1947.95	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.85	0	11.2	974.98	2	1947.95	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.89	0	11.2	974.98	2	1947.95	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.7	0	10.5	974.97	2	1947.92	1.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.59	0	12	974.95	2	1947.89	1.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.72	0	11.2	974.93	2	1947.84	1.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.6	0	10.5	974.92	2	1947.82	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.98	0	11.2	974.92	2	1947.82	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.72	0	11.2	974.92	2	1947.83	1.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.62	0	12	974.91	2	1947.8	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.64	0	11.2	974.9	2	1947.78	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.79	0	11.2	974.88	2	1947.75	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.84	0	12	974.86	2	1947.7	1.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.42	0	12	974.8	2	1947.58	1.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.44	0	11.2	974.77	2	1947.53	1.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.65	0	11.9	974.73	2	1947.44	1.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.49	0	10.5	974.73	2	1947.45	1.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.67	0	11.2	974.72	2	1947.42	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.47	0	12	974.7	2	1947.38	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.66	0	12	974.7	2	1947.39	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.71	0	11.2	974.69	2	1947.36	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.69	0	10.5	974.69	2	1947.37	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.77	0	11.9	974.68	2	1947.34	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.53	0	11.2	974.68	2	1947.35	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.44	0	12	974.67	2	1947.32	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.35	0	11.2	974.67	2	1947.32	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.66	0	11.2	974.67	2	1947.33	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.83	0	12.7	974.67	2	1947.33	1.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.6	0	10.5	974.66	2	1947.3	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.63	0	10.4	974.66	2	1947.3	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.55	0	12	974.66	2	1947.31	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.47	0	11.2	974.66	2	1947.31	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.62	0	11.2	974.65	2	1947.28	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.52	0	11.2	974.65	2	1947.28	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.48	0	11.2	974.65	2	1947.29	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.52	0	12.8	974.64	2	1947.27	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.66	0	11.2	974.63	2	1947.24	1.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.59	0	11.2	974.61	2	1947.2	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.71	0	11.2	974.6	2	1947.18	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.23	0	11.3	974.6	2	1947.19	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.54	0	11.2	974.59	2	1947.17	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.42	0	10.5	974.58	2	1947.14	1.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.45	0	11.2	974.53	2	1947.04	1.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.39	0	10.5	974.49	2	1946.96	0.98	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.69	0	12	974.39	2	1946.77	0.79	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.33	0	12.8	974.22	2	1946.42	0.44	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.86	0	12.8	974.13	2	1946.24	0.26	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.79	0	12	974.12	2	1946.23	0.25	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.05	0	12	974.11	2	1946.2	0.22	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.72	651.11	3	1950.31	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.68	651.1	3	1950.27	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.3	651.1	3	1950.28	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	7.47	651.1	3	1950.28	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.3	651.09	3	1950.23	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	6.85	651.09	3	1950.24	4.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.4	651.08	3	1950.21	4.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.57	651.08	3	1950.21	4.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.85	651.02	3	1950.02	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	8.33	651.01	3	1950	4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	10.5	650.98	3	1949.9	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.1	650.95	3	1949.83	3.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.89	650.91	3	1949.71	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	0	0	9.57	650.9	3	1949.66	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.52	0	8.27	650.89	3	1949.64	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.55	0	12.3	650.89	3	1949.65	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.69	0	11.8	650.89	3	1949.65	3.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.54	0	10.4	650.88	3	1949.61	3.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.54	0	10.6	650.85	3	1949.52	3.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.8	0	10.4	650.85	3	1949.53	3.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.74	0	9.55	650.85	3	1949.53	3.6	49	67

Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.6	0	9.72		650.84	3	1949.5	3.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.72	0	11.6		650.83	3	1949.46	3.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.15	0	10.9		650.81	3	1949.39	3.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.58	0	10.9		650.81	3	1949.4	3.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.69	0	8.6		650.78	3	1949.3	3.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.71	0	12.4		650.77	3	1949.27	3.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.45	0	12.2		650.75	3	1949.21	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.23	0	11.8		650.75	3	1949.21	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.57	0	10.4		650.75	3	1949.23	3.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.55	0	10.4		650.72	3	1949.14	3.2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.72	0	10.6		650.71	3	1949.1	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.6	0	12.7		650.7	3	1949.07	3.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.52	0	11.1		650.68	3	1949	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.64	0	10.5		650.66	3	1948.95	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.79	0	11.2		650.66	3	1948.96	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.6	0	10.7		650.65	3	1948.93	3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.51	0	10.9		650.64	3	1948.89	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.66	0	12.3		650.64	3	1948.9	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.26	0	11.6		650.64	3	1948.9	2.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.38	0	13		650.59	3	1948.73	2.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.33	0	11.8		650.58	3	1948.72	2.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.68	0	12.4		650.56	3	1948.66	2.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.36	0	10.9		650.55	3	1948.63	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.41	0	10.9		650.53	3	1948.55	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.54	0	10.9		650.53	3	1948.58	2.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.84	0	12.3		650.52	3	1948.52	2.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.49	0	11.2		650.51	3	1948.49	2.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.98	0	10.5		650.5	3	1948.48	2.5	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.8	0	11.6		650.47	3	1948.39	2.4	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	5.02	0	9.8		650.44	3	1948.3	2.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.25	0	12.5		650.42	3	1948.24	2.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.17	0	11.9		650.42	3	1948.24	2.3	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.55	0	11.6		650.37	3	1948.09	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.44	0	13.1		650.36	3	1948.04	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.88	0	12.6		650.36	3	1948.04	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.3	0	11.6		650.36	3	1948.05	2.1	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.5	0	12.6		650.35	3	1948.02	2	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.45	0	10.4		650.31	3	1947.9	1.9	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.54	0	13.2		650.26	3	1947.74	1.8	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.44	0	11.8		650.23	3	1947.65	1.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.3	0	11.7		650.23	3	1947.65	1.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.16	0	11.7		650.23	3	1947.66	1.7	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.67	0	11		650.21	3	1947.6	1.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.63	0	10.9		650.21	3	1947.6	1.6	49	67
Try4	FEFANGYATVTIATTGVGK	K	L	95.00%	4.43	0	11.8		650.19	3	1947.55	1.6	49	67
Try5	LTPGFHGLHIHQVGK	K	C	95.00%	0	0	6.35		548.53	3	1642.56	2.7	68	82
Try5	LTPGFHGLHIHQVGK	K	C	95.00%	0	0	6.5		548.23	3	1641.65	1.8	68	82
Try5	LTPGFHGLHIHQVGK	K	C	95.00%	0	0	6.59		547.6	3	1639.77	-0.12	68	82
Try6	HIHQVGK	L	C	95.00%	2.41	0.981	0		410.44	2	818.87	1.4	76	82
Try6	HIHQVGK	L	C	95.00%	2.41	0.88	0		409.91	2	817.81	0.36	76	82
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.1	M6: Oxidation (+16), M16: Oxidation (+16)	1226.36	2	2450.7	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.52	M6: Oxidation (+16), M16: Oxidation (+16)	1226.01	2	2450	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.14	M6: Oxidation (+16), M16: Oxidation (+16)	1225.97	2	2449.93	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.28	M6: Oxidation (+16), M16: Oxidation (+16)	1225.69	2	2449.36	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.68	M6: Oxidation (+16), M16: Oxidation (+16)	1225.52	2	2449.03	0.93	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.18	M6: Oxidation (+16), M16: Oxidation (+16)	1225.52	2	2449.03	0.93	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.48	M6: Oxidation (+16), M16: Oxidation (+16)	1225.49	2	2448.96	0.86	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.64	M6: Oxidation (+16), M16: Oxidation (+16)	1225.48	2	2448.95	0.85	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.54	M16: Oxidation (+16)	1219.06	2	2436.1	4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.8	M6: Oxidation (+16)	1218.98	2	2435.94	3.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.89	M6: Oxidation (+16)	1218.67	2	2435.32	3.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.11	M6: Oxidation (+16)	1218.6	2	2435.18	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.54	M16: Oxidation (+16)	1218.59	2	2435.17	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.89	M6: Oxidation (+16)	1218.58	2	2435.15	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.12	M6: Oxidation (+16)	1218.58	2	2435.15	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.28	M6: Oxidation (+16)	1218.55	2	2435.08	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.52	M6: Oxidation (+16)	1218.55	2	2435.09	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.89	M6: Oxidation (+16)	1218.55	2	2435.09	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.72	M6: Oxidation (+16)	1218.54	2	2435.06	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.57	M6: Oxidation (+16)	1218.54	2	2435.07	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.8	M6: Oxidation (+16)	1218.53	2	2435.04	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.82	M16: Oxidation (+16)	1218.5	2	2434.99	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.15	M6: Oxidation (+16)	1218.49	2	2434.97	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.41	M6: Oxidation (+16)	1218.48	2	2434.94	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.57	M6: Oxidation (+16)	1218.48	2	2434.94	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.72	M6: Oxidation (+16)	1218.48	2	2434.95	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.32	M6: Oxidation (+16)	1218.47	2	2434.92	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.96	M6: Oxidation (+16)	1218.47	2	2434.93	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.77	M6: Oxidation (+16)	1218.43	2	2434.84	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.17	M6: Oxidation (+16)	1218.42	2	2434.83	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.6	M16: Oxidation (+16)	1218.37	2	2434.73	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.8	M6: Oxidation (+16)	1218.35	2	2434.69	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.7	M6: Oxidation (+16)	1218.3	2	2434.59	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.17	M6: Oxidation (+16)	1218.26	2	2434.51	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.72	M6: Oxidation (+16)	1218.17	2	2434.32	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.72	M6: Oxidation (+16)	1218.17	2	2434.32	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.54	M6: Oxidation (+16)	1218.14	2	2434.27	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.4	M6: Oxidation (+16)	1218.12	2	2434.22	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9	M6: Oxidation (+16)	1218.09	2	2434.16	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.4	M6: Oxidation (+16)	1218.09	2	2434.16	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10	M6: Oxidation (+16)	1218.07	2	2434.12	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.96	M6: Oxidation (+16)	1218.07	2	2434.12	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.02	M6: Oxidation (+16)	1218.07	2	2434.12	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.18	M6: Oxidation (+16)	1218.06	2	2434.1	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.75	M6: Oxidation (+16)	1218.06	2	2434.11	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.92	M6: Oxidation (+16)	1218.06	2	2434.11	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.8	M6: Oxidation (+16)	1218.04	2	2434.07	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7	M6: Oxidation (+16)	1218.04	2	2434.07	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.31	M6: Oxidation (+16)	1218.02	2	2434.03	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.01	M6: Oxidation (+16)	1218.01	2	2434.01	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.33	M16: Oxidation (+16)	1218	2	2433.99	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.57	M6: Oxidation (+16)	1217.99	2	2433.96	1.9	126	149

Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.92	M6: Oxidation (+16)	1217.99	2	2433.96	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.59	M16: Oxidation (+16)	1217.98	2	2433.94	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.02	M6: Oxidation (+16)	1217.97	2	2433.92	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.33	M6: Oxidation (+16)	1217.97	2	2433.92	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.19	M16: Oxidation (+16)	1217.97	2	2433.93	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.55	M6: Oxidation (+16)	1217.97	2	2433.93	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.34	M6: Oxidation (+16)	1217.94	2	2433.86	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.66	M6: Oxidation (+16)	1217.94	2	2433.86	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.57	M6: Oxidation (+16)	1217.93	2	2433.85	1.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.64	M6: Oxidation (+16)	1217.88	2	2433.75	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96	M6: Oxidation (+16)	1217.87	2	2433.73	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96	M6: Oxidation (+16)	1217.69	2	2433.37	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.96	M6: Oxidation (+16)	1217.62	2	2433.22	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.92	M6: Oxidation (+16)	1217.62	2	2433.23	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9	M6: Oxidation (+16)	1217.61	2	2433.21	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.68	M6: Oxidation (+16)	1217.6	2	2433.18	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.25	M6: Oxidation (+16)	1217.59	2	2433.16	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M16: Oxidation (+16)	1217.57	2	2433.13	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.22	M6: Oxidation (+16)	1217.57	2	2433.13	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.34	M6: Oxidation (+16)	1217.56	2	2433.1	0.99	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.32	M6: Oxidation (+16)	1217.56	2	2433.11	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.38	M6: Oxidation (+16)	1217.54	2	2433.07	0.96	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.3	M6: Oxidation (+16)	1217.52	2	2433.02	0.91	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.32	M6: Oxidation (+16)	1217.52	2	2433.03	0.92	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5	M6: Oxidation (+16)	1217.51	2	2433	0.89	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.85	M6: Oxidation (+16)	1217.51	2	2433	0.89	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.96	M6: Oxidation (+16)	1217.51	2	2433	0.89	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	1217.51	2	2433.01	0.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5	M6: Oxidation (+16)	1217.5	2	2432.98	0.87	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.68	M6: Oxidation (+16)	1217.5	2	2432.99	0.88	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.55	M6: Oxidation (+16)	1217.49	2	2432.96	0.85	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.13	M6: Oxidation (+16)	1217.48	2	2432.95	0.84	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.23	M6: Oxidation (+16)	1217.48	2	2432.95	0.84	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.13	M6: Oxidation (+16)	1217.47	2	2432.92	0.81	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.96	M6: Oxidation (+16)	1217.47	2	2432.92	0.81	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.09	M6: Oxidation (+16)	1217.46	2	2432.9	0.79	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.09	M6: Oxidation (+16)	1217.45	2	2432.88	0.77	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.7	M6: Oxidation (+16)	1217.44	2	2432.86	0.75	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96	M6: Oxidation (+16)	1217.43	2	2432.84	0.73	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.82	M6: Oxidation (+16)	1217.39	2	2432.76	0.65	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.66	M6: Oxidation (+16)	1217.22	2	2432.43	0.32	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.09	M6: Oxidation (+16)	1217.17	2	2432.33	0.22	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.62	M6: Oxidation (+16)	1216.99	2	2431.97	-0.14	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.3	M6: Oxidation (+16)	1216.94	2	2431.87	-0.24	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9	M6: Oxidation (+16)	1216.84	2	2431.66	-0.45	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.5		1210.93	2	2419.84	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.62		1210.89	2	2419.76	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.04		1210.86	2	2419.7	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.64		1210.83	2	2419.64	3.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.33		1210.76	2	2419.5	3.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.29		1210.65	2	2419.28	3.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.52		1210.63	2	2419.25	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.14		1210.61	2	2419.2	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.92		1210.61	2	2419.21	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.85		1210.6	2	2419.18	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.16		1210.6	2	2419.19	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.92		1210.59	2	2419.16	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.54		1210.59	2	2419.17	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.17		1210.55	2	2419.09	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.15		1210.54	2	2419.06	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.13		1210.54	2	2419.07	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.15		1210.53	2	2419.04	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96		1210.53	2	2419.05	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1210.52	2	2419.02	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.64		1210.52	2	2419.02	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.7		1210.52	2	2419.02	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.59		1210.52	2	2419.03	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.16		1210.51	2	2419	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.85		1210.51	2	2419.01	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9		1210.5	2	2418.98	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.59		1210.5	2	2418.99	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.75		1210.49	2	2418.96	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.31		1210.49	2	2418.97	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.85		1210.48	2	2418.95	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1210.48	2	2418.95	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.4		1210.47	2	2418.92	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.75		1210.47	2	2418.92	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.55		1210.47	2	2418.93	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.6		1210.46	2	2418.9	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	6.75		1210.45	2	2418.88	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.92		1210.45	2	2418.89	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1210.43	2	2418.84	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96		1210.41	2	2418.81	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.51		1210.39	2	2418.77	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.85		1210.35	2	2418.68	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.64		1210.34	2	2418.66	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.75		1210.3	2	2418.58	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.3		1210.29	2	2418.57	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1210.26	2	2418.51	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.96		1210.13	2	2418.25	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.92		1210.12	2	2418.22	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1210.09	2	2418.16	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1210.08	2	2418.15	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10		1210.07	2	2418.12	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.85		1210.03	2	2418.05	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3		1210.02	2	2418.03	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		1210.01	2	2418.01	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	8.19		1210	2	2417.98	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3		1209.99	2	2417.96	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12		1209.99	2	2417.96	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12		1209.99	2	2417.97	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1209.98	2	2417.94	1.8	126	149

Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.4		1209.98	2	2417.95	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9		1209.97	2	2417.93	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.96	2	2417.9	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.68		1209.96	2	2417.91	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.4		1209.94	2	2417.86	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.4		1209.91	2	2417.8	1.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12		1209.9	2	2417.79	1.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.8		1209.87	2	2417.73	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1209.81	2	2417.6	1.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.69	2	2417.36	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3		1209.68	2	2417.35	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1209.63	2	2417.25	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.68		1209.6	2	2417.18	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.59	2	2417.16	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9		1209.58	2	2417.14	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.58	2	2417.15	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.57	2	2417.12	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1209.57	2	2417.12	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1209.57	2	2417.12	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.6		1209.57	2	2417.13	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.5		1209.57	2	2417.13	1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.6		1209.56	2	2417.1	0.99	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.55	2	2417.08	0.97	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.55	2	2417.09	0.98	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.55	2	2417.09	0.98	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.54	2	2417.07	0.96	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1209.53	2	2417.05	0.94	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.59		1209.52	2	2417.02	0.91	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.52	2	2417.03	0.92	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1209.5	2	2416.98	0.87	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		1209.48	2	2416.94	0.83	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12		1209.48	2	2416.95	0.84	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.48	2	2416.95	0.84	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.47	2	2416.92	0.81	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.47	2	2416.93	0.82	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.45	2	2416.88	0.77	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.45	2	2416.89	0.78	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.44	2	2416.87	0.76	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		1209.35	2	2416.69	0.58	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.33	2	2416.65	0.54	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.82		1209.31	2	2416.61	0.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.3	2	2416.59	0.48	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		1209.29	2	2416.57	0.46	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.28	2	2416.55	0.44	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1209.21	2	2416.4	0.29	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.19	2	2416.36	0.25	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.19	2	2416.36	0.25	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		1209.15	2	2416.28	0.17	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1209.1	2	2416.19	0.078	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.64		1209.09	2	2416.17	0.058	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		1209.07	2	2416.13	0.018	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9		1208.92	2	2415.82	-0.29	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		1208.86	2	2415.7	-0.41	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.03	M6: Oxidation (+16), M16: Oxidation (+16)	818.04	3	2451.09	3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8	M6: Oxidation (+16), M16: Oxidation (+16)	817.94	3	2450.79	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8	M6: Oxidation (+16), M16: Oxidation (+16)	817.88	3	2450.61	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2	M6: Oxidation (+16), M16: Oxidation (+16)	817.75	3	2450.21	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8	M6: Oxidation (+16), M16: Oxidation (+16)	817.52	3	2449.52	1.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.1	M6: Oxidation (+16), M16: Oxidation (+16)	817.31	3	2448.91	0.81	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.1	M6: Oxidation (+16)	813.1	3	2436.27	4.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.2	M6: Oxidation (+16)	813.09	3	2436.25	4.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.1	M6: Oxidation (+16)	813.08	3	2436.22	4.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8	M6: Oxidation (+16)	813.06	3	2436.15	4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.1	M6: Oxidation (+16)	813.03	3	2436.07	4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	813	3	2435.98	3.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.8	M6: Oxidation (+16)	812.97	3	2435.87	3.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7	M6: Oxidation (+16)	812.96	3	2435.84	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.96	3	2435.85	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.9	3	2435.66	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.2	M6: Oxidation (+16)	812.86	3	2435.55	3.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.92	M6: Oxidation (+16)	812.81	3	2435.41	3.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.51	M16: Oxidation (+16)	812.68	3	2435.01	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8	M6: Oxidation (+16)	812.66	3	2434.95	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7	M6: Oxidation (+16)	812.66	3	2434.95	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12	M6: Oxidation (+16)	812.65	3	2434.91	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12	M6: Oxidation (+16)	812.65	3	2434.91	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.64	3	2434.88	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7	M6: Oxidation (+16)	812.64	3	2434.89	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	14.2	M6: Oxidation (+16)	812.64	3	2434.9	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2	M6: Oxidation (+16)	812.63	3	2434.86	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	812.61	3	2434.79	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10	M6: Oxidation (+16)	812.58	3	2434.72	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.44	M6: Oxidation (+16)	812.57	3	2434.67	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M16: Oxidation (+16)	812.55	3	2434.63	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.2	M6: Oxidation (+16)	812.55	3	2434.63	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.55	3	2434.63	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.54	3	2434.6	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.53	3	2434.55	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2	M16: Oxidation (+16)	812.52	3	2434.53	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.8	M6: Oxidation (+16)	812.52	3	2434.54	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M16: Oxidation (+16)	812.51	3	2434.49	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12	M6: Oxidation (+16)	812.5	3	2434.46	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2	M6: Oxidation (+16)	812.49	3	2434.43	2.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	812.49	3	2434.44	2.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9	M6: Oxidation (+16)	812.43	3	2434.25	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.9	M6: Oxidation (+16)	812.43	3	2434.25	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.43	3	2434.27	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12	M6: Oxidation (+16)	812.4	3	2434.16	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	812.37	3	2434.07	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.34	3	2433.99	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.1	M6: Oxidation (+16)	812.34	3	2434	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.31	3	2433.9	1.8	126	149

Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.1	M6: Oxidation (+16)	812.27	3	2433.79	1.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.6	M6: Oxidation (+16)	812.25	3	2433.72	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	812.25	3	2433.73	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.8	M6: Oxidation (+16)	812.19	3	2433.54	1.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.44	M6: Oxidation (+16)	812.19	3	2433.54	1.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12	M6: Oxidation (+16)	812.18	3	2433.5	1.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.14	3	2433.38	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2	M6: Oxidation (+16)	812.13	3	2433.35	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.3	M6: Oxidation (+16)	812.13	3	2433.35	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.4	M6: Oxidation (+16)	812.12	3	2433.32	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.6	M6: Oxidation (+16)	812.12	3	2433.34	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	7.68	M6: Oxidation (+16)	812.1	3	2433.27	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.43	M6: Oxidation (+16)	812.09	3	2433.25	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.09	3	2433.25	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10.7	M6: Oxidation (+16)	812.08	3	2433.22	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5	M6: Oxidation (+16)	812	3	2432.98	0.87	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	10	M6: Oxidation (+16)	811.99	3	2432.93	0.82	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	9.04	M6: Oxidation (+16)	811.92	3	2432.72	0.61	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5	M6: Oxidation (+16)	811.85	3	2432.53	0.42	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		807.75	3	2420.21	4.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.75	3	2420.23	4.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.71	3	2420.09	4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.1		807.69	3	2420.04	3.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.1		807.66	3	2419.96	3.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.65	3	2419.92	3.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5		807.65	3	2419.92	3.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.64	3	2419.89	3.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.7		807.62	3	2419.82	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.61	3	2419.81	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5		807.6	3	2419.78	3.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.59	3	2419.73	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.58	3	2419.7	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5		807.58	3	2419.7	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8		807.58	3	2419.71	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.56	3	2419.66	3.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.55	3	2419.61	3.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.53	3	2419.57	3.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.52	3	2419.53	3.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.52	3	2419.53	3.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		807.48	3	2419.41	3.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.45	3	2419.33	3.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.44	3	2419.29	3.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.42	3	2419.23	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.4	3	2419.18	3.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	14.1		807.36	3	2419.04	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		807.35	3	2419.03	2.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.3	3	2418.88	2.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		807.28	3	2418.81	2.7	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8		807.26	3	2418.74	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.26	3	2418.75	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	14.1		807.25	3	2418.71	2.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.22	3	2418.62	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.21	3	2418.59	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		807.21	3	2418.6	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	14.3		807.2	3	2418.57	2.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.19	3	2418.54	2.4	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.16	3	2418.45	2.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.2		807.13	3	2418.35	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.12	3	2418.32	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.11	3	2418.29	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.11	3	2418.3	2.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		807.09	3	2418.23	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		807.09	3	2418.24	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.07	3	2418.17	2.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.06	3	2418.14	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		807.05	3	2418.12	2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.02	3	2418.03	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		807.02	3	2418.04	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		807.01	3	2418	1.9	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		806.97	3	2417.87	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		806.96	3	2417.86	1.8	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		806.92	3	2417.73	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.7		806.91	3	2417.7	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		806.91	3	2417.7	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		806.91	3	2417.7	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	14.9		806.9	3	2417.68	1.6	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		806.89	3	2417.64	1.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		806.88	3	2417.62	1.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		806.87	3	2417.58	1.5	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.6		806.83	3	2417.45	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		806.81	3	2417.4	1.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.2		806.79	3	2417.33	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		806.79	3	2417.35	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		806.78	3	2417.32	1.2	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.4		806.75	3	2417.22	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		806.75	3	2417.23	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		806.74	3	2417.2	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.6		806.73	3	2417.16	1.1	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		806.58	3	2416.7	0.59	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.9		806.57	3	2416.68	0.57	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.8		806.54	3	2416.6	0.49	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13.5		806.54	3	2416.6	0.49	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5		806.53	3	2416.56	0.45	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	11.5		806.53	3	2416.57	0.46	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	13		806.48	3	2416.41	0.3	126	149
Try7	GDGSAMLVTTTDAFTMDDLLSGAK	R	T	95.00%	0	0	12.3		806.41	3	2416.21	0.098	126	149
Try8	TAIIIH	K	A	95.00%	2.02	0	0		668.64	1	667.63	1.2	150	155
Try8	TAIIIH	K	A	95.00%	2.07	0	0		668.56	1	667.55	1.2	150	155
Try8	TAIIIH	K	A	95.00%	2.18	0	0		668.09	1	667.08	0.68	150	155
Try8	TAIIIH	K	A	95.00%	1.94	0.995	0		667.62	1	666.61	0.21	150	155
Try8	TAIIIH	K	A	95.00%	1.82	0.864	0		667.56	1	666.55	0.15	150	155
Try8	TAIIIH	K	A	95.00%	2.27	0.819	0		334.65	2	667.29	0.89	150	155

Try8	TAIIIH	K	A	95.00%	2.13	0.769	0	334.59	2	667.16	0.76	150	155
Try8	TAIIIH	K	A	95.00%	1.88	0.748	0	334.58	2	667.14	0.74	150	155
Try9	TAIIIHAGADN	K	F	95.00%	3.54	0	0	548.67	2	1095.32	0.75	150	160
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1012.03	2	2022.04	3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1012.02	2	2022.02	3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	12.3	1012.01	2	2022	3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.8	1011.98	2	2021.94	2.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1011.96	2	2021.9	2.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.5	1011.94	2	2021.86	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.08	1011.93	2	2021.84	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.5	1011.88	2	2021.75	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.82	2	2021.62	2.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1011.66	2	2021.31	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	12.3	1011.61	2	2021.21	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.59	2	2021.16	2.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	12.3	1011.56	2	2021.1	2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.24	1011.56	2	2021.1	2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1011.52	2	2021.02	2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1011.52	2	2021.03	2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.7	1011.43	2	2020.85	1.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.68	1011.39	2	2020.76	1.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1011.31	2	2020.61	1.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.29	2	2020.56	1.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	14.7	1011.19	2	2020.36	1.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1011.11	2	2020.2	1.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.08	1011.1	2	2020.19	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.77	1011.09	2	2020.17	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.96	1011.08	2	2020.14	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	12.3	1011.07	2	2020.12	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1011.06	2	2020.1	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.5	1011.06	2	2020.1	1.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1011.05	2	2020.09	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.05	2	2020.09	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.05	2	2020.09	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10	1011.01	2	2020	0.95	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.25	1010.99	2	2019.97	0.92	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.54	1010.95	2	2019.88	0.83	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1010.95	2	2019.89	0.84	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1010.93	2	2019.84	0.79	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.7	1010.86	2	2019.7	0.65	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.05	1010.84	2	2019.66	0.61	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1010.76	2	2019.5	0.45	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	15.5	1010.76	2	2019.5	0.45	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	14.7	1010.71	2	2019.4	0.35	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.9	1010.7	2	2019.39	0.34	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	13.1	1010.59	2	2019.16	0.11	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.09	675.41	3	2023.19	4.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	675.36	3	2023.05	4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.44	675.34	3	2022.98	3.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.33	675.33	3	2022.95	3.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.77	675.32	3	2022.93	3.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8	675.31	3	2022.91	3.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.03	675.3	3	2022.86	3.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.46	675.25	3	2022.71	3.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.51	675.25	3	2022.73	3.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.06	675.24	3	2022.68	3.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.77	675.21	3	2022.59	3.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.38	675.21	3	2022.61	3.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.39	675.19	3	2022.53	3.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.08	675.18	3	2022.52	3.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.46	675.13	3	2022.36	3.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.39	675.09	3	2022.24	3.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.02	675.06	3	2022.16	3.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.82	675.05	3	2022.13	3.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.16	675	3	2021.96	2.9	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.92	674.97	3	2021.89	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.55	674.96	3	2021.84	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.16	674.96	3	2021.86	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.96	3	2021.86	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.72	674.94	3	2021.8	2.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.85	674.93	3	2021.75	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.06	674.93	3	2021.75	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.02	674.92	3	2021.72	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.8	674.92	3	2021.72	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.44	674.92	3	2021.73	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.1	674.92	3	2021.74	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.91	3	2021.71	2.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.66	674.9	3	2021.66	2.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.15	674.89	3	2021.63	2.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.07	674.89	3	2021.64	2.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.2	674.88	3	2021.61	2.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.87	3	2021.57	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.8	674.87	3	2021.57	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.17	674.86	3	2021.56	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8	674.85	3	2021.52	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.15	674.85	3	2021.52	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.14	674.85	3	2021.53	2.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.15	674.84	3	2021.48	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.8	674.84	3	2021.49	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.36	674.82	3	2021.43	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.64	674.82	3	2021.44	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.5	674.81	3	2021.4	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.96	674.81	3	2021.4	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.6	674.81	3	2021.41	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.8	674.81	3	2021.41	2.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.82	674.8	3	2021.36	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.34	674.8	3	2021.37	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.55	674.8	3	2021.37	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.8	3	2021.37	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.34	674.8	3	2021.37	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.89	674.8	3	2021.38	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.6	674.79	3	2021.34	2.3	150	168

Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.72	674.78	3	2021.31	2.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.89	674.77	3	2021.28	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.66	674.77	3	2021.29	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.77	3	2021.29	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.66	674.76	3	2021.26	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.57	674.75	3	2021.21	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.41	674.75	3	2021.21	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.37	674.75	3	2021.22	2.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.6	674.74	3	2021.2	2.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.92	674.71	3	2021.11	2.1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.21	674.69	3	2021.03	2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.31	674.64	3	2020.89	1.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.55	674.62	3	2020.84	1.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.21	674.61	3	2020.81	1.8	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.6	3	2020.78	1.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.34	674.6	3	2020.78	1.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.5	674.57	3	2020.68	1.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.89	674.54	3	2020.6	1.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.3	674.53	3	2020.55	1.5	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.17	674.5	3	2020.47	1.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.3	674.49	3	2020.44	1.4	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.1	674.44	3	2020.3	1.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.8	674.44	3	2020.3	1.3	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.89	674.42	3	2020.24	1.2	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.39	674.37	3	2020.07	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.5	674.36	3	2020.05	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.3	674.36	3	2020.06	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.82	674.36	3	2020.06	1	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.32	3	2019.92	0.87	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.16	674.31	3	2019.9	0.85	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.15	674.3	3	2019.86	0.81	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.04	674.3	3	2019.86	0.81	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.21	674.3	3	2019.87	0.82	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.5	674.3	3	2019.88	0.83	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.34	674.28	3	2019.82	0.77	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.4	674.26	3	2019.75	0.7	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.96	674.24	3	2019.68	0.63	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.23	3	2019.65	0.6	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.23	3	2019.66	0.61	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.23	3	2019.67	0.62	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.21	674.23	3	2019.67	0.62	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.89	674.22	3	2019.63	0.58	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.66	674.22	3	2019.64	0.59	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.72	674.21	3	2019.59	0.54	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.3	674.17	3	2019.48	0.43	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	12.4	674.17	3	2019.49	0.44	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	6.51	674.17	3	2019.49	0.44	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	674.15	3	2019.41	0.36	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.6	674.12	3	2019.32	0.27	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.89	674.12	3	2019.34	0.29	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.22	674.11	3	2019.31	0.26	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.72	674.11	3	2019.31	0.26	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.72	674.11	3	2019.31	0.26	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	11.1	674.1	3	2019.27	0.22	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	10.5	674.07	3	2019.18	0.13	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.17	674.01	3	2019.01	-0.042	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	7.4	674	3	2018.97	-0.082	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	9.82	673.98	3	2018.91	-0.14	150	168
Try10	TAIIIHAGADNFANIPPER	K	Y	95.00%	0	0	8.62	673.78	3	2018.32	-0.73	150	168
Try11	FANIPPER	N	Y	95.00%	2.77	0	0	472.72	2	943.43	0.94	161	168
Try12	YVQVN	R	G	95.00%	1.84	0	0	623.52	1	622.51	1.2	169	173
Try12	YVQVN	R	G	95.00%	1.75	0	0	623.08	1	622.07	0.76	169	173
Try12	YVQVN	R	G	95.00%	1.65	0	0	622.56	1	621.55	0.24	169	173
Try12	YVQVN	R	G	95.00%	1.45	0	0	622.51	1	621.5	0.19	169	173
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	0	0	8.85	1113.07	2	2224.12	4.1	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	6.51	0	10.6	1112.66	2	2223.31	3.3	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	5.18	0	6.72	1112.46	2	2222.91	2.9	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	6.11	0	7.64	1112.28	2	2222.54	2.5	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	6.18	0	12	1111.56	2	2221.1	1.1	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	0	0	11.6	742.42	3	2224.23	4.2	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	2.59	0	9.52	742.03	3	2223.06	3	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	2.89	0	11.2	741.98	3	2222.91	2.9	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	4.64	0	11.6	741.96	3	2222.85	2.8	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	2.65	0	10.6	741.87	3	2222.57	2.5	169	190
Try13	YVQVNGTPGPDETTLTTGDAGK	R	R	95.00%	4.75	0	13.5	741.83	3	2222.46	2.4	169	190
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	7.06	1190.51	2	2379.01	2.9	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	7.85	1190.43	2	2378.85	2.7	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	8.62	1189.79	2	2377.56	1.4	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	9.89	1189.77	2	2377.53	1.4	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	9.96	1189.5	2	2376.98	0.83	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	7.77	793.87	3	2378.58	2.4	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	7.5	793.79	3	2378.35	2.2	169	191
Try14	YVQVNGTPGPDETTLTTGDAGKR	R	V	95.00%	0	0	7.77	793.53	3	2377.56	1.4	169	191
Try15	GTPGPDETTLTTGDAGK	N	R	95.00%	2.96	0	0	810.1	2	1618.19	1.4	174	190
Try16	GTPGPDETTLTTGDAGKR	N	V	95.00%	3.36	0	0	888.95	2	1775.89	3	174	191
Try16	GTPGPDETTLTTGDAGKR	N	V	95.00%	3.15	0	0	887.96	2	1773.9	1.1	174	191
Try16	GTPGPDETTLTTGDAGKR	N	V	95.00%	2.72	0	0	887.92	2	1773.82	0.97	174	191
Try16	GTPGPDETTLTTGDAGKR	N	V	95.00%	3.13	0	0	887.8	2	1773.59	0.74	174	191
Try17	RVACGVIGSGK	K	L	95.00%	2.35	0	1.15	524.08	2	1046.15	0.58	191	201
Try17	RVACGVIGSGK	K	L	95.00%	2.39	0	1.06	524.05	2	1046.08	0.51	191	201
Try18	VACGVIGSGK	R	L	95.00%	2.43	0	2.43	446	2	889.99	0.52	192	201
Try18	VACGVIGSGK	R	L	95.00%	2.43	0	2.09	445.84	2	889.67	0.2	192	201
Try18	VACGVIGSGK	R	L	95.00%	2.39	0	2.08	445.79	2	889.56	0.093	192	201

Chymotrypsin

Peptide	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	SEQUEST XCorr score	SEQUEST DCn score	X! Tandem -log(e) score	Modifications	Precursor Mass (*m/z*)	Spectrum charge	Actual peptide mass (AMU)	Actual minus calculated peptide mass (AMU)	Peptide start index	Peptide stop index
Chy3	SGHDEESPGAQSL	L	T	95.00%	3.59	0	4.48		1314.88	1	1313.87	1.3	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.46	0	4.89		1314.17	1	1313.16	0.61	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.95	0	5.57		1314.13	1	1313.12	0.57	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	3.03	0	4.75		658.68	2	1315.35	2.8	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.57	0	2.92		658.22	2	1314.43	1.9	20	32

Chy3	SGHDEESPGAQSL	L	T	95.00%	2.26	0	2.92		658.21	2	1314.41	1.9	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	3.16	0	4.8		658.2	2	1314.39	1.8	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	3.36	0	4.14		658.15	2	1314.28	1.7	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.23	0	2.96		658.14	2	1314.26	1.7	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.53	0	3.52		658.14	2	1314.27	1.7	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.41	0	4.14		657.75	2	1313.49	0.94	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	3.23	0	4.8		657.71	2	1313.41	0.86	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.51	0	3.08		657.64	2	1313.26	0.71	20	32
Chy3	SGHDEESPGAQSL	L	T	95.00%	2.39	0	3.59		657.56	2	1313.11	0.56	20	32
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.19	0.736	3		1307.83	1	1306.82	1.1	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.16	0.762	3.03		1307.46	1	1306.45	0.76	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	1.68	0.828	3.05		1306.9	1	1305.89	0.2	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	1.72	0.704	3.12		1306.86	1	1305.85	0.16	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.54	0	4.2		655.28	2	1308.54	2.9	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.77	0	4.72		655.2	2	1308.39	2.7	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.42	0	3.7		654.82	2	1307.62	1.9	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.66	0	4.17		654.81	2	1307.61	1.9	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	3.28	0	2.96		654.68	2	1307.34	1.7	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.69	0.986	4.77		654.36	2	1306.71	1	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.66	0.92	4.2		654.36	2	1306.71	1	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.65	0.899	4.77		654.33	2	1306.64	0.95	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.71	0.946	3.7		654.26	2	1306.51	0.82	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.41	0.972	3.75		654.2	2	1306.39	0.7	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.5	0	3.72		653.79	2	1305.56	-0.13	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.59	0.922	4.22		653.73	2	1305.44	-0.25	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	2.03	0	4.35		653.25	2	1304.48	-1.2	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	1.07	0	5.36		436.85	3	1307.52	1.8	37	49
Chy4	TAPDGTKVATAKF	L	E	95.00%	1.11	0	4.8		436.65	3	1306.93	1.2	37	49
Chy5	ATVTIATTGVGKLTPGF	Y	H	95.00%	2.69	0	5.28		818	2	1633.99	1.1	56	72
Chy5	ATVTIATTGVGKLTPGF	Y	H	95.00%	2.15	0	4.01		817.87	2	1633.73	0.82	56	72
Chy6	ATVTIATTGVGKLTPGFHGL	Y	H	95.00%	3.98	0	7.41		971.53	2	1941.05	0.98	56	75
Chy6	ATVTIATTGVGKLTPGFHGL	Y	H	95.00%	3.91	0	10.6		648.53	3	1942.57	2.5	56	75
Chy6	ATVTIATTGVGKLTPGFHGL	Y	H	95.00%	3.69	0	10.7		648.45	3	1942.32	2.3	56	75
Chy6	ATVTIATTGVGKLTPGFHGL	Y	H	95.00%	3.43	0	10.6		648.37	3	1942.09	2	56	75
Chy7	TPGFHGL	L	H	95.00%	2.17	0	2.72		365.28	2	728.55	1.2	69	75
Chy7	TPGFHGL	L	H	95.00%	2.16	0	2.72		365.14	2	728.26	0.9	69	75
Chy7	TPGFHGL	L	H	95.00%	1.99	0	2.75		365.09	2	728.16	0.8	69	75
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	1.8	0.876	2.92		1346.8	1	1345.79	1.2	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	1.75	0.898	3.42		1346.76	1	1345.75	1.1	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.39	0.954	4.68		1346.26	1	1345.25	0.61	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	1.83	0	4.68		1345.77	1	1344.76	0.12	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.31	0.917	5.3		674.83	2	1347.64	3	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.35	0.917	4.66		674.82	2	1347.63	3	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.06	0	3.5		674.75	2	1347.49	2.9	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.39	0.97	5.32		674.72	2	1347.43	2.8	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	1.93	0.981	4.75		674.72	2	1347.43	2.8	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.45	0.936	5.31		674.58	2	1347.15	2.5	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.76	0	5.32		673.89	2	1345.77	1.1	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.05	0	4.68		673.83	2	1345.64	1	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.47	0	5.32		673.81	2	1345.61	0.97	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.38	0	5.33		673.79	2	1345.56	0.92	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.55	0.939	4.66		673.73	2	1345.44	0.8	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	2.32	0	5.34		673.73	2	1345.45	0.81	106	119
Chy8	HVPGHTGTPASGDL	Y	A	95.00%	1.37	0.156	4.3		449.86	3	1346.56	1.9	106	119
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	2.46	0	4.68		1617.92	1	1616.91	1.1	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	2.22	0	4.59		1617.34	1	1616.33	0.54	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	4.01	0	4.02		810.45	2	1618.89	3.1	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.44	0	4.64		810.39	2	1618.77	3	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.46	0	5.23		810.32	2	1618.62	2.8	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.44	0	5.23		810.27	2	1618.53	2.7	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.03	0	5.24		809.46	2	1616.91	1.1	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.04	0	5.23		809.37	2	1616.72	0.93	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	3.21	0	5.23		809.34	2	1616.67	0.88	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	1.78	0	6.51		540.34	3	1618	2.2	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	2.13	0	5.8		540.06	3	1617.16	1.4	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	1.48	0	7.02		540.04	3	1617.11	1.3	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	1.23	0	4.68		539.9	3	1616.66	0.87	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	1.15	0	6.36		539.9	3	1616.69	0.9	106	122
Chy9	HVPGHTGTPASGDLASL	Y	Q	95.00%	2.29	0	8.57		539.46	3	1615.36	-0.43	106	122
Chy10	QVRGDGSAML	L	V	95.00%	2.23	0	2.46		1034.72	1	1033.71	1.2	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.19	0	2.46		1034.65	1	1033.64	1.1	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.35	0	4.46	M9: Oxidation (+16)	526.69	2	1051.37	2.9	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.02	0	3.7	M9: Oxidation (+16)	526.68	2	1051.34	2.8	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.93	0	4.43	M9: Oxidation (+16)	526.67	2	1051.32	2.8	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.87	0	3.17	M9: Oxidation (+16)	525.78	2	1049.55	1.1	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.12	0	4.46	M9: Oxidation (+16)	525.74	2	1049.47	0.98	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2	0	3.13	M9: Oxidation (+16)	525.66	2	1049.31	0.82	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.12	0	4.5	M9: Oxidation (+16)	525.65	2	1049.28	0.79	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.71	0	4.47	M9: Oxidation (+16)	525.64	2	1049.26	0.77	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.14	0	3.82	M9: Oxidation (+16)	525.63	2	1049.25	0.76	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.48	0	4.14		518.56	2	1035.11	2.6	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.02	0	4.24		518.44	2	1034.86	2.4	123	132
Chy10	QVRGDGSAML	L	V	95.00%	2.1	0	3.66		518.09	2	1034.17	1.7	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.72	0	3.6		517.72	2	1033.43	0.93	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.77	0	3.62		517.7	2	1033.39	0.89	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.83	0	4.25		517.68	2	1033.35	0.85	123	132
Chy10	QVRGDGSAML	L	V	95.00%	1.76	0	3.03		517.58	2	1033.14	0.64	123	132
Chy11	VTTTDAFTMDDLL	L	S	95.00%	3.47	0	3.35	M9: Oxidation (+16)	731.28	2	1460.54	2.9	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	3.18	0	4	M9: Oxidation (+16)	730.88	2	1459.75	2.1	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	3.39	0	4.02	M9: Oxidation (+16)	730.76	2	1459.5	1.8	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	2.41	0	3.96	M9: Oxidation (+16)	730.33	2	1458.65	0.99	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	3.69	0	5.38		722.4	2	1442.79	1.1	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	3.06	0	4.75		722.32	2	1442.63	0.97	133	145
Chy11	VTTTDAFTMDDLL	L	S	95.00%	2.94	0	5.43		722.27	2	1442.53	0.87	133	145
Chy12	VTTTDAFTMDDLLSGAKTAIIIHAGAI	L	A	95.00%	0	0	9.6		1005.02	3	3012.02	3.5	133	161
Chy12	VTTTDAFTMDDLLSGAKTAIIIHAGAI	L	A	95.00%	0	0	11.4		1004.53	3	3010.56	2.1	133	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	6.17	0	6.36	M2: Oxidation (+16)	1146.94	2	2291.86	2.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.91	0	7.59	M2: Oxidation (+16)	1146.01	2	2290.01	0.88	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.82	0	4.72		1138.95	2	2275.88	2.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	2.85	0	3.41		1138.76	2	2275.51	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.74	0	5.26		1138.63	2	2275.25	2.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	6	0	6.66		1138.53	2	2275.05	1.9	140	161

Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.93	0	4.09		1138.45	2	2274.89	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.31	0	3.48		1138.15	2	2274.28	1.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.03	0	4.11		1138.13	2	2274.25	1.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.51	0	2.85		1138.05	2	2274.08	0.95	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.44	0	7		1138.02	2	2274.03	0.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.9	0	6.66		1138.01	2	2274	0.87	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.17	0	2.92		1137.91	2	2273.81	0.68	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	3.82	M2: Oxidation (+16)	765.43	3	2293.25	4.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.31	0	7.7	M2: Oxidation (+16)	765.35	3	2293.01	3.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.82	0	5.85	M2: Oxidation (+16)	765.35	3	2293.01	3.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.36	0	6.31	M2: Oxidation (+16)	765.32	3	2292.92	3.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.87	0	7.43	M2: Oxidation (+16)	765.29	3	2292.83	3.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.06	0	6.64	M2: Oxidation (+16)	765.21	3	2292.59	3.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.17	0	9.34	M2: Oxidation (+16)	765.08	3	2292.21	3.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.91	0	7.8	M2: Oxidation (+16)	765.03	3	2292.07	2.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.77	0	6.82	M2: Oxidation (+16)	764.94	3	2291.78	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.04	0	8.01	M2: Oxidation (+16)	764.92	3	2291.72	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.83	0	6.92	M2: Oxidation (+16)	764.92	3	2291.72	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.49	0	7.21	M2: Oxidation (+16)	764.9	3	2291.68	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.78	0	9.06	M2: Oxidation (+16)	764.89	3	2291.63	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.4	0	9.51	M2: Oxidation (+16)	764.89	3	2291.64	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.18	0	9.82	M2: Oxidation (+16)	764.89	3	2291.65	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.3	0	8.39	M2: Oxidation (+16)	764.87	3	2291.58	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.79	0	11.1	M2: Oxidation (+16)	764.86	3	2291.55	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.86	0	9.54	M2: Oxidation (+16)	764.85	3	2291.51	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.48	0	7.3	M2: Oxidation (+16)	764.84	3	2291.49	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.25	0	8.6	M2: Oxidation (+16)	764.83	3	2291.45	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.59	0	7.03	M2: Oxidation (+16)	764.82	3	2291.42	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.53	0	10.2	M2: Oxidation (+16)	764.81	3	2291.39	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.36	0	9.18	M2: Oxidation (+16)	764.8	3	2291.37	2.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.4	0	7.07	M2: Oxidation (+16)	764.78	3	2291.3	2.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.28	0	8.51	M2: Oxidation (+16)	764.77	3	2291.27	2.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.21	0	9.28	M2: Oxidation (+16)	764.76	3	2291.24	2.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.81	0	5.66	M2: Oxidation (+16)	764.74	3	2291.19	2.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.6	0	9.05	M2: Oxidation (+16)	764.73	3	2291.16	2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.54	0	10.6	M2: Oxidation (+16)	764.71	3	2291.11	2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.38	0	8.52	M2: Oxidation (+16)	764.7	3	2291.08	2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.95	0	8.31	M2: Oxidation (+16)	764.66	3	2290.95	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.14	0	8.01	M2: Oxidation (+16)	764.65	3	2290.93	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.09	0	9.48	M2: Oxidation (+16)	764.65	3	2290.93	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.94	0	7.92	M2: Oxidation (+16)	764.64	3	2290.88	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.63	0	7.77	M2: Oxidation (+16)	764.64	3	2290.88	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.81	0	9.57	M2: Oxidation (+16)	764.63	3	2290.87	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.07	0	7	M2: Oxidation (+16)	764.63	3	2290.87	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3	0	6.16	M2: Oxidation (+16)	764.61	3	2290.81	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.97	0	10.6	M2: Oxidation (+16)	764.61	3	2290.81	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.25	0	7.85	M2: Oxidation (+16)	764.6	3	2290.76	1.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.19	0	7.96	M2: Oxidation (+16)	764.58	3	2290.71	1.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.45	0	5.72	M2: Oxidation (+16)	764.57	3	2290.68	1.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.21	0	7.48	M2: Oxidation (+16)	764.56	3	2290.66	1.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.33	0	9.25	M2: Oxidation (+16)	764.53	3	2290.55	1.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.5	0	8.44	M2: Oxidation (+16)	764.53	3	2290.56	1.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.27	0	11.3	M2: Oxidation (+16)	764.51	3	2290.51	1.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.7	0	7.16	M2: Oxidation (+16)	764.5	3	2290.47	1.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.43	0	6.82	M2: Oxidation (+16)	764.49	3	2290.45	1.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.27	0	6.85	M2: Oxidation (+16)	764.47	3	2290.37	1.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.37	0	9.18	M2: Oxidation (+16)	764.45	3	2290.33	1.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.23	0	5.08	M2: Oxidation (+16)	764.44	3	2290.29	1.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.35	0	10.1	M2: Oxidation (+16)	764.41	3	2290.21	1.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.18	0	9.75	M2: Oxidation (+16)	764.36	3	2290.04	0.91	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.44	0	11.5	M2: Oxidation (+16)	764.35	3	2290.01	0.88	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.63	0	7.92	M2: Oxidation (+16)	764.34	3	2290	0.87	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	2.56	0	6.64	M2: Oxidation (+16)	764.33	3	2289.96	0.83	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.13	0	9.05	M2: Oxidation (+16)	764.3	3	2289.86	0.73	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.06	0	8.09	M2: Oxidation (+16)	764.3	3	2289.86	0.73	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.3	0	7.55	M2: Oxidation (+16)	764.25	3	2289.72	0.59	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.04	0	3.92	M2: Oxidation (+16)	764.25	3	2289.73	0.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.6	0	5.96	M2: Oxidation (+16)	764.19	3	2289.55	0.42	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.07	0	11.6	M2: Oxidation (+16)	764.18	3	2289.52	0.39	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.63	0	12.2	M2: Oxidation (+16)	764.16	3	2289.46	0.33	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	2.41	0	6.59	M2: Oxidation (+16)	764.02	3	2289.04	-0.089	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.53	0	5.36	M2: Oxidation (+16)	763.96	3	2288.84	-0.29	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	8.15		760.22	3	2277.64	4.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	6.64		760.13	3	2277.35	4.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	7.55		760.12	3	2277.34	4.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	7.07		760.11	3	2277.31	4.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	10.5		760.1	3	2277.27	4.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	6.96		760.05	3	2277.13	4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	2.74	0	5.8		760.02	3	2277.04	3.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.31	0	5.96		760.01	3	2277	3.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.33	0	5.85		759.97	3	2276.87	3.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.8	0	10.1		759.95	3	2276.83	3.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.07	0	7.64		759.93	3	2276.76	3.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.89	0	7.35		759.93	3	2276.77	3.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.69	0	6.66		759.92	3	2276.74	3.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.32	0	10.5		759.91	3	2276.71	3.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.35	0	8		759.9	3	2276.67	3.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.2	0	7.37		759.83	3	2276.45	3.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.86	0	6.22		759.8	3	2276.36	3.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.87	0	10.4		759.78	3	2276.32	3.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.29	0	10.2		759.72	3	2276.12	3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.3	0	10.4		759.68	3	2276	2.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.91	0	9.89		759.67	3	2275.98	2.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.37	0	10.4		759.66	3	2275.94	2.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.43	0	9.66		759.65	3	2275.93	2.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.2	0	9.07		759.63	3	2275.87	2.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.61	0	8.96		759.63	3	2275.87	2.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.85	0	9.52		759.63	3	2275.87	2.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.43	0	8.08		759.62	3	2275.82	2.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.75	0	9.82		759.6	3	2275.78	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.22	0	12.1		759.59	3	2275.74	2.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.36	0	9.19		759.57	3	2275.68	2.6	140	161

Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.71	0	9.09	759.56	3	2275.64	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.45	0	10.3	759.56	3	2275.64	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.55	0	14.3	759.56	3	2275.65	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.22	0	10.3	759.56	3	2275.66	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.46	0	12.5	759.55	3	2275.61	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.61	0	11.5	759.54	3	2275.59	2.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.83	0	10.5	759.53	3	2275.55	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.77	0	10.7	759.52	3	2275.52	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.25	0	9.89	759.52	3	2275.54	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.59	0	8.82	759.51	3	2275.49	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.88	0	11.7	759.51	3	2275.51	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.15	0	10.9	759.51	3	2275.51	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.25	0	12.3	759.5	3	2275.47	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.88	0	9.92	759.5	3	2275.48	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.15	0	10.8	759.5	3	2275.48	2.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.79	0	10.3	759.49	3	2275.43	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.14	0	9.96	759.49	3	2275.43	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.01	0	10.9	759.49	3	2275.44	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.52	0	11.1	759.49	3	2275.45	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.82	0	12.2	759.48	3	2275.42	2.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.55	0	12.2	759.46	3	2275.34	2.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.95	0	11	759.45	3	2275.31	2.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.22	0	9.21	759.45	3	2275.33	2.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.83	0	9.85	759.42	3	2275.24	2.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.61	0	11	759.39	3	2275.13	2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.71	0	7.85	759.34	3	2275	1.9	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.82	0	12.7	759.32	3	2274.94	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.72	0	9.96	759.31	3	2274.9	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.82	0	12.3	759.31	3	2274.9	1.8	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.12	0	11	759.28	3	2274.82	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.93	0	11.1	759.27	3	2274.79	1.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.13	0	9.89	759.26	3	2274.75	1.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.78	0	9.62	759.21	3	2274.6	1.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.47	0	11.8	759.18	3	2274.5	1.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.66	0	11.4	759.14	3	2274.39	1.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.27	0	9.04	759.13	3	2274.35	1.2	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.19	0	9.36	759.1	3	2274.26	1.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.45	0	8.44	759.09	3	2274.24	1.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.77	0	10.4	759.09	3	2274.25	1.1	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	5.16	0	9.07	759.03	3	2274.05	0.92	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.36	0	11.4	759.03	3	2274.07	0.94	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.3	0	11.2	758.98	3	2273.9	0.77	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.37	0	10.4	758.98	3	2273.91	0.78	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.7	0	8.68	758.98	3	2273.92	0.79	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.73	0	7.22	758.97	3	2273.87	0.74	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.63	0	10.9	758.97	3	2273.89	0.76	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.76	0	10.2	758.95	3	2273.83	0.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.37	0	10.2	758.95	3	2273.83	0.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.5	0	10.9	758.95	3	2273.83	0.7	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.23	0	9.07	758.94	3	2273.79	0.66	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.29	0	11	758.93	3	2273.77	0.64	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.84	0	9.96	758.92	3	2273.73	0.6	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.74	0	9	758.91	3	2273.7	0.57	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.15	0	9.64	758.91	3	2273.7	0.57	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.68	0	10.9	758.9	3	2273.66	0.53	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.18	0	9.92	758.89	3	2273.63	0.5	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.65	0	10.5	758.88	3	2273.61	0.48	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.5	0	8.59	758.87	3	2273.57	0.44	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.65	0	8.96	758.87	3	2273.58	0.45	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4	0	11.6	758.86	3	2273.55	0.42	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.45	0	9.77	758.85	3	2273.53	0.4	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.48	0	8.5	758.84	3	2273.48	0.35	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.52	0	8.24	758.84	3	2273.48	0.35	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.94	0	7.96	758.84	3	2273.5	0.37	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.08	0	10.7	758.83	3	2273.47	0.34	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	3.86	0	10.8	758.82	3	2273.43	0.3	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	0	0	4.72	758.74	3	2273.2	0.066	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	4.29	0	10.8	758.73	3	2273.16	0.026	140	161
Chy13	TMDDLLSGAKTAIIIHAGADNF	F	A	95.00%	2.77	0	8.8	758.64	3	2272.89	-0.24	140	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	0	0	4.1	795.43	2	1588.84	4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.75	0	3.92	795.07	2	1588.13	3.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.76	0	2.59	795.05	2	1588.08	3.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.86	0	4.57	795.03	2	1588.04	3.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.36	0	4.47	795.01	2	1588	3.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.44	0	4.44	795	2	1587.99	3.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.04	0	3.21	794.99	2	1587.97	3.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.96	0	3.22	794.98	2	1587.94	3.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.12	0	5.31	794.94	2	1587.86	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.17	0	6.17	794.91	2	1587.8	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.43	0	3.92	794.9	2	1587.78	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.59	0	3.06	794.9	2	1587.79	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.71	0	5.31	794.89	2	1587.77	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.28	0	6.03	794.88	2	1587.74	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.25	0	4.57	794.88	2	1587.75	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.6	0	4.8	794.86	2	1587.71	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.95	0	5.34	794.85	2	1587.68	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.52	0	4.57	794.85	2	1587.69	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.22	0	6.01	794.85	2	1587.69	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.95	0	4.7	794.85	2	1587.69	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.26	0	6.04	794.84	2	1587.66	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.81	0	6.04	794.84	2	1587.67	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.4	0	5.34	794.83	2	1587.64	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.3	0	4.75	794.83	2	1587.64	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.31	0	4.72	794.81	2	1587.6	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.73	0	6.8	794.8	2	1587.58	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.92	0	2.89	794.78	2	1587.54	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.92	0	3.33	794.78	2	1587.55	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.18	0	5.47	794.77	2	1587.52	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.76	0	5.43	794.76	2	1587.51	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.4	0	6.89	794.73	2	1587.44	2.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.7	0	4.7	794.67	2	1587.33	2.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.81	0	6.16	794.62	2	1587.22	2.4	146	161

Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.06	0	4.07	794.6	2	1587.19	2.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.34	0	5.47	794.58	2	1587.15	2.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.12	0	5.4	794.57	2	1587.13	2.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.98	0	7.54	794.54	2	1587.07	2.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.76	0	6.2	794.54	2	1587.07	2.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.03	0	5.34	794.52	2	1587.02	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.65	0	7.51	794.52	2	1587.03	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.8	0	6.82	794.51	2	1587.01	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.32	0	3.6	794.5	2	1586.98	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.47	0	6	794.47	2	1586.92	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.77	0	7.64	794.47	2	1586.93	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.48	0	6.92	794.43	2	1586.85	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.12	0	5.48	794.43	2	1586.85	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.99	0	6.7	794.42	2	1586.82	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.95	0	6.05	794.42	2	1586.83	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.88	0	5.42	794.41	2	1586.81	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.46	0	6.89	794.39	2	1586.76	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.28	0	7.62	794.32	2	1586.62	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.57	0	7.62	794.26	2	1586.5	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.49	0	6.68	794.26	2	1586.51	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.53	0	7.51	794.24	2	1586.46	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.65	0	6.1	794.24	2	1586.46	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.67	0	6.92	794.24	2	1586.47	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.58	0	7.55	794.23	2	1586.44	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.28	0	7.6	794.22	2	1586.42	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.22	0	6.14	794.17	2	1586.33	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.79	0	7.66	794.04	2	1586.07	1.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.53	0	7.66	794.03	2	1586.05	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.34	0	6.16	794.03	2	1586.05	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.86	0	8.31	794.02	2	1586.03	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.3	0	8.29	794.01	2	1586	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.85	0	6.89	793.97	2	1585.92	1.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.49	0	6.8	793.96	2	1585.9	1.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	5.23	0	8.28	793.95	2	1585.89	1.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.94	0	8.29	793.94	2	1585.86	1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.37	0	6.92	793.94	2	1585.86	1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.42	0	7.68	793.93	2	1585.85	1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.43	0	8.32	793.92	2	1585.83	1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.72	0	5.46	793.91	2	1585.8	0.98	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.9	0	8.32	793.91	2	1585.8	0.98	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.95	0	7.55	793.91	2	1585.81	0.99	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.73	0	6.14	793.9	2	1585.79	0.97	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.8	0	5.5	793.89	2	1585.76	0.94	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.43	0	7.55	793.89	2	1585.76	0.94	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.32	0	6.89	793.89	2	1585.76	0.94	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.17	0	5.48	793.89	2	1585.76	0.94	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.11	0	6.92	793.89	2	1585.77	0.95	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.78	0	8.27	793.89	2	1585.77	0.95	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.81	0	7.54	793.88	2	1585.74	0.92	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.24	0	7.59	793.88	2	1585.74	0.92	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	5.35	0	7.55	793.87	2	1585.72	0.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.96	0	7.66	793.87	2	1585.72	0.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.52	0	8.29	793.86	2	1585.7	0.88	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.92	0	5.48	793.86	2	1585.71	0.89	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.54	0	7.64	793.86	2	1585.71	0.89	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.82	0	7.54	793.85	2	1585.68	0.86	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.97	0	7.66	793.85	2	1585.69	0.87	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.76	0	8.3	793.84	2	1585.67	0.85	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.95	0	7.5	793.83	2	1585.64	0.82	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.38	0	6.82	793.83	2	1585.65	0.83	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.27	0	6.14	793.82	2	1585.62	0.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.4	0	7.55	793.82	2	1585.62	0.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.76	0	7.55	793.82	2	1585.63	0.81	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.62	0	6.75	793.8	2	1585.59	0.77	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.99	0	6.92	793.79	2	1585.57	0.75	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.05	0	6.16	793.78	2	1585.54	0.72	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.33	0	7.55	793.69	2	1585.36	0.54	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.59	0	7.57	793.69	2	1585.36	0.54	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.42	0	8.3	793.68	2	1585.35	0.53	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.62	0	8.28	793.67	2	1585.33	0.51	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.52	0	7.64	793.65	2	1585.28	0.46	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.48	0	7.54	793.64	2	1585.27	0.45	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.99	0.904	7.59	793.62	2	1585.22	0.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.48	0.917	7.64	793.62	2	1585.23	0.41	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.91	0.88	7.68	793.61	2	1585.21	0.39	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.48	0.921	7.57	793.6	2	1585.18	0.36	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.28	0.884	8.34	793.6	2	1585.19	0.37	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.03	0.919	7.57	793.6	2	1585.19	0.37	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.05	0.857	6.92	793.59	2	1585.17	0.35	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.34	0.901	8.22	793.58	2	1585.15	0.33	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.53	0.885	7.46	793.58	2	1585.15	0.33	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.45	0.894	7.54	793.57	2	1585.12	0.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.26	0.936	7.6	793.57	2	1585.12	0.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.13	0.975	7.52	793.57	2	1585.12	0.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.37	0.908	8.27	793.57	2	1585.13	0.31	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.59	0.908	8.28	793.56	2	1585.1	0.28	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.23	0.891	5.51	793.56	2	1585.11	0.29	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.86	0.779	5.5	793.55	2	1585.09	0.27	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.96	0.917	6.77	793.55	2	1585.09	0.27	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.63	0.889	6.24	793.54	2	1585.07	0.25	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	4.48	0.922	6.89	793.01	2	1584.01	-0.81	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.22	0	5.96	530.39	3	1588.14	3.3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.53	0	5.17	530.34	3	1587.99	3.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.72	0	4.08	530.33	3	1587.95	3.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.11	0	5.15	530.28	3	1587.83	3	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.11	0	5.5	530.25	3	1587.71	2.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.01	0	5.14	530.21	3	1587.59	2.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.63	0	4.59	530.19	3	1587.53	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.95	0	5.92	530.19	3	1587.55	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.42	0	3.6	530.18	3	1587.51	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.86	0	5.55	530.18	3	1587.51	2.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.69	0	6.11	530.17	3	1587.48	2.7	146	161

Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.41	0	5.48	530.15	3	1587.42	2.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.53	0	5.02	530.14	3	1587.38	2.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.36	0	4.92	530.14	3	1587.4	2.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.1	0	5.13	530.14	3	1587.4	2.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.41	0	5.16	530.13	3	1587.35	2.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.16	0	6.41	530.13	3	1587.36	2.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.63	0	5.38	530.1	3	1587.26	2.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.69	0	6.75	530.09	3	1587.25	2.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.96	0	4.92	530.08	3	1587.21	2.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.75	0	5.77	530.07	3	1587.19	2.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.68	0	5.5	530.02	3	1587.03	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.82	0	5.48	530.01	3	1587.01	2.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.19	0	6.14	530	3	1586.96	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	1.13	0	3.77	529.99	3	1586.95	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.23	0	5.25	529.97	3	1586.88	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.97	0	5.26	529.97	3	1586.89	2.1	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.62	0	5.54	529.96	3	1586.85	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.72	0	5.17	529.95	3	1586.81	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.05	0	6.59	529.95	3	1586.83	2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.35	0	6.16	529.91	3	1586.7	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.07	0	5.43	529.91	3	1586.7	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.63	0	5.57	529.9	3	1586.67	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.21	0	5.8	529.9	3	1586.67	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.07	0	5.2	529.9	3	1586.69	1.9	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.15	0	5.54	529.89	3	1586.63	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.4	0	5.57	529.89	3	1586.63	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.97	0	6.15	529.89	3	1586.63	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.24	0	6.59	529.89	3	1586.65	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.12	0	6.57	529.88	3	1586.61	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.19	0	6.1	529.88	3	1586.62	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.32	0	5.96	529.88	3	1586.62	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.14	0	6.15	529.87	3	1586.57	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.74	0	5.16	529.87	3	1586.59	1.8	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.16	0	4.85	529.86	3	1586.54	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.9	0	6.55	529.86	3	1586.55	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.37	0	5.96	529.86	3	1586.55	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.77	0	5.17	529.85	3	1586.51	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.52	0	5.54	529.85	3	1586.52	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.35	0	5.8	529.85	3	1586.52	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.34	0	5.96	529.85	3	1586.52	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.3	0	6.13	529.85	3	1586.52	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.62	0	5.59	529.85	3	1586.53	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.13	0	5.96	529.85	3	1586.53	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.52	0	6.19	529.85	3	1586.53	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.88	0	5.85	529.85	3	1586.53	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.88	0	5.77	529.84	3	1586.48	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.55	0	5.07	529.84	3	1586.49	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.26	0	5.52	529.84	3	1586.49	1.7	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.06	0	6.15	529.83	3	1586.45	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.07	0	6.44	529.82	3	1586.42	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.87	0	5.52	529.82	3	1586.43	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3	0	5.52	529.82	3	1586.43	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.32	0	6.15	529.81	3	1586.41	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.89	0	5.46	529.81	3	1586.41	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.65	0	5.8	529.8	3	1586.38	1.6	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.06	0	4.96	529.79	3	1586.35	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.25	0	5.52	529.79	3	1586.36	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.08	0	6.59	529.78	3	1586.3	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.26	0	5.52	529.77	3	1586.28	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.3	0	5.51	529.77	3	1586.28	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.16	0	5.54	529.77	3	1586.28	1.5	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.61	0	5.57	529.75	3	1586.21	1.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.29	0	6.57	529.75	3	1586.23	1.4	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.64	0	5.52	529.67	3	1585.98	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.69	0	4.64	529.67	3	1585.99	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.1	0	5.51	529.67	3	1585.99	1.2	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.08	0	6.57	529.59	3	1585.75	0.93	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.88	0	5.16	529.53	3	1585.55	0.73	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.93	0	5.5	529.51	3	1585.49	0.67	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.46	0	5.51	529.51	3	1585.5	0.68	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.72	0	6.09	529.49	3	1585.43	0.61	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.9	0	5.6	529.48	3	1585.41	0.59	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.94	0	4.96	529.47	3	1585.37	0.55	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.76	0	5.51	529.47	3	1585.38	0.56	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.01	0	5.07	529.44	3	1585.3	0.48	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.87	0.768	5.16	529.35	3	1585.03	0.21	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.76	0.807	6.1	529.34	3	1585	0.18	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.88	0.822	5.92	529.31	3	1584.89	0.066	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.81	0.805	4.96	529.31	3	1584.89	0.066	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.63	0.94	5.75	529.3	3	1584.87	0.046	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.58	0.84	5.52	529.29	3	1584.86	0.036	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.98	0.83	5.16	529.28	3	1584.81	-0.014	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	3.05	0.841	6.16	529.24	3	1584.68	-0.14	146	161
Chy14	SGAKTAIIIHAGADNF	L	A	95.00%	2.65	0.828	6.11	529.24	3	1584.7	-0.12	146	161
Chy15	ANIPPERY	F	V	95.00%	2.22	0	2.59	480.84	2	959.67	1.2	162	169
Chy15	ANIPPERY	F	V	95.00%	2.16	0	2.59	480.81	2	959.6	1.1	162	169
Chy15	ANIPPERY	F	V	95.00%	2.27	0	3.15	480.77	2	959.52	1	162	169
Chy15	ANIPPERY	F	V	95.00%	2.2	0	2.59	480.77	2	959.53	1	162	169
Chy15	ANIPPERY	F	V	95.00%	2.16	0	2.59	480.76	2	959.5	1	162	169
Chy15	ANIPPERY	F	V	95.00%	2.16	0	2.59	480.75	2	959.49	1	162	169
Chy15	ANIPPERY	F	V	95.00%	2.17	0	2.59	480.74	2	959.46	0.98	162	169
Chy15	ANIPPERY	F	V	95.00%	2.3	0	2.59	480.72	2	959.42	0.94	162	169
Chy15	ANIPPERY	F	V	95.00%	2.24	0	2.59	480.7	2	959.39	0.91	162	169
Chy15	ANIPPERY	F	V	95.00%	2.26	0	2.59	480.69	2	959.37	0.89	162	169
Chy15	ANIPPERY	F	V	95.00%	2.2	0	2.59	480.67	2	959.32	0.84	162	169
Chy15	ANIPPERY	F	V	95.00%	2.17	0	2.59	480.65	2	959.29	0.81	162	169
Chy15	ANIPPERY	F	V	95.00%	2.16	0	2.59	480.64	2	959.26	0.78	162	169
Chy15	ANIPPERY	F	V	95.00%	2.15	0	2.59	480.63	2	959.24	0.76	162	169
Chy15	ANIPPERY	F	V	95.00%	2.26	0	2.59	480.63	2	959.25	0.77	162	169
Chy15	ANIPPERY	F	V	95.00%	2.17	0	2.59	480.63	2	959.25	0.77	162	169
Chy15	ANIPPERY	F	V	95.00%	2.2	0	2.59	480.62	2	959.23	0.75	162	169
Chy15	ANIPPERY	F	V	95.00%	2.21	0	3.14	480.59	2	959.16	0.68	162	169

Chy15	ANIPPERY	F	V	95.00%	2.14	0	2.59	480.59	2	959.17	0.69	162	169
Chy15	ANIPPERY	F	V	95.00%	2.13	0	2.59	480.55	2	959.09	0.61	162	169
Chy15	ANIPPERY	F	V	95.00%	2.1	0	2.59	480.49	2	958.97	0.49	162	169
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.37	0	3.62	1429.9	1	1428.89	2.2	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.34	0	3.6	1429.81	1	1428.8	2.1	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.47	0	4.12	1429.76	1	1428.75	2.1	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.08	0	3.54	1428.41	1	1427.4	0.71	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.2	0	3.54	1428.39	1	1427.38	0.69	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2	0	3.54	1428.37	1	1427.36	0.67	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	3.14	0	2.89	715.8	2	1429.59	2.9	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	3.07	0	6.01	715.21	2	1428.4	1.7	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.87	0	6.01	714.95	2	1427.88	1.2	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.53	0	6.66	714.87	2	1427.73	1	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	1.75	0	4.01	714.84	2	1427.67	0.98	170	183
Chy16	VQVNGTPGPDETTL	Y	T	95.00%	2.25	0	3.77	714.81	2	1427.6	0.91	170	183

Thermolysin

	Peptide sequence	Previous amino acid	Next amino acid	Peptide identification probability	SEQUEST XCorr score	SEQUEST DCn score	X! Tandem -log(e) score	Modifications	Precursor Mass (m/z)	Spectrum charge	Actual peptide mass (AMU)	Actual minus calculated peptide mass (AMU)	Peptide start index	Peptide stop index
TL1	LTAPDGTK	T	V	95.00%	1.21	0	1.89		802.8	1	801.79	0.37	36	43
TL1	LTAPDGTK	T	V	95.00%	1.42	0	1.85		802.67	1	801.66	0.24	36	43
TL1	LTAPDGTK	T	V	95.00%	1.4	0	1.85		802.53	1	801.52	0.099	36	43
TL1	LTAPDGTK	T	V	95.00%	1.4	0	1.85		802.46	1	801.45	0.029	36	43
TL2	IATTGVGK	T	L	95.00%	1.56	0	1.13		746.52	1	745.51	0.079	60	67
TL3	VAPTGGAPGNF	S	L	95.00%	2.56	0	3.72		989.53	1	988.52	2	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.85	0	3.72		987.73	1	986.72	0.24	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.52	0	2.62		987.7	1	986.69	0.21	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.79	0	3.72		987.62	1	986.61	0.13	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.57	0	3.13		987.6	1	986.59	0.11	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.73	0	4.28		987.52	1	986.51	0.03	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.88	0	4.39		987.51	1	986.5	0.02	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	1.72	0	1.55		987.5	1	986.49	0.0099	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	2.42	0	6.72		494.98	2	987.95	1.5	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	2.74	0	6.07		494.55	2	987.08	0.6	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	2.73	0	6.72		494.48	2	986.94	0.46	88	98
TL3	VAPTGGAPGNF	S	L	95.00%	2.64	0	6.72		494.46	2	986.91	0.43	88	98
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	3.19	0	7.7		1095.85	2	2189.69	1.7	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	3.47	0	7.03		1095.42	2	2188.82	0.79	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	3.04	0	8.43		1095.34	2	2188.67	0.64	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	2.85	0	7.03		1095.3	2	2188.59	0.56	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	1.33	0	4.04		730.9	3	2189.68	1.7	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	1.75	0	4.85		730.75	3	2189.23	1.2	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	1.88	0	5.75		730.69	3	2189.05	1	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	1.8	0	5.7		730.6	3	2188.78	0.75	99	121
TL4	LSAGGHYHVPGHTGTPASGDLAS	F	L	95.00%	2.3	0	7.92		730.11	3	2187.3	-0.73	99	121
TL5	LSAGGHYHVPGHTGTPASGD	F	L	95.00%	3.61	0	7.96		640.81	3	1919.41	2.5	99	118
TL5	LSAGGHYHVPGHTGTPASGD	F	L	95.00%	4.09	0	8.14		640.5	3	1918.48	1.6	99	118
TL6	VRGDGSAML	Q	V	95.00%	1.93	0	2.08		905.7	1	904.69	0.25	124	132
TL6	VRGDGSAML	Q	V	95.00%	1.78	0	2.08		905.63	1	904.62	0.18	124	132
TL7	VQVNGTPGPDETT	Y	L	95.00%	1.84	0.931	3.96		1315.56	1	1314.55	0.94	170	182
TL7	VQVNGTPGPDETT	Y	L	95.00%	2	0.97	6		658.56	2	1315.1	1.5	170	182
TL8	LTTGDAGKR	T	V	95.00%	1.74	0	2.85		918.56	1	917.55	0.059	183	191
TL8	LTTGDAGKR	T	V	95.00%	2.51	0	2.72		460.2	2	918.39	0.9	183	191
TL8	LTTGDAGKR	T	V	95.00%	2	0	3.96		460.17	2	918.33	0.84	183	191
TL8	LTTGDAGKR	T	V	95.00%	2.37	0	3.48		460.11	2	918.21	0.72	183	191
TL8	LTTGDAGKR	T	V	95.00%	2.77	0	3.48		460.03	2	918.04	0.55	183	191
TL8	LTTGDAGKR	T	V	95.00%	2.27	0	3.02		459.97	2	917.92	0.43	183	191
TL8	LTTGDAGKR	T	V	95.00%	1.99	0	2.47		459.92	2	917.83	0.34	183	191
TL9	LHHHHHH	K	-	95.00%	2.19	0	1.7		478.19	2	954.36	0.91	202	208
TL9	LHHHHHH	K	-	95.00%	2.43	0	2.21		478.06	2	954.1	0.65	202	208
TL9	LHHHHHH	K	-	95.00%	2.28	0	1.57		478	2	953.98	0.53	202	208
TL9	LHHHHHH	K	-	95.00%	2.69	0	2.28		477.99	2	953.96	0.51	202	208
TL9	LHHHHHH	K	-	95.00%	2.28	0	2.38		319.15	3	954.42	0.97	202	208

Table SII. Plasmids and primers used in this study

	Description/Sequence[a]	Reference or Source
Plasmid		
pCR4Blunt-TOPO	cloning vector, Amp^r, Kan^r	Invitrogen
pET23b	*E. coli* expression vector, Amp^r	Novagen
pVV16	*Mycobacteria* expression vector, Kan^r, Hyg^r	Schulbach *et al.* (2001)
pMRLB60	*rv0432* gene fragment lacking signal peptide sequence in pet23b	This study
pMRLB61	Full-length *rv0432* gene in pVV16	This study
pMRLB61.1	Derivative of pMRLB61 encoding Rv0432 Thr_{41} to Ala_{41} substitution	This study
pMRLB61.2	Derivative of pMRLB61 encoding Rv0432 Thr_{45} to Ala_{45} substitution	This study
pMRLB61.3	Derivative of pMRLB61 encoding Rv0432 Thr_{46} to Ala_{46} substitution	This study
pMRLB61.4	Derivative of pMRLB61 encoding Rv0432 $Thr_{45}Thr_{46}$ to $Ala_{45}Ala_{46}$ substitution	This study
pMRLB61.5	Derivative of pMRLB61 encoding Rv0432 Thr_{51} to Ala_{51} substitution	This study
pMRLB61.6	Derivative of pMRLB61 encoding Rv0432 Thr_{131} to Ala_{131} substitution	This study
pMRLB62	*rv0432* gene fragment lacking signal peptide sequence in pVV16	This study
Primer		
SodC(-SP)F	5'-CATATGTGCTCGTCGCCGCAG	This study
SodCR1	5'-CTCGAGGCCGGAACCAATGAC	This study
SodC(+SP)F	5'-CATATGCCAAAGCCCGCCGAT	This study
SodCR2	5'-AAGCTTGCCGGAACCAATGAC	This study
SodCT41AF	5'-GCCGCAGCACGCGTCT**GCC**GTTCCGGGTACCACGCC	This study
SodCT41AR	5'-GGCGTGGTACCCGGAAC**GGC**AGACGCGTGCTGCGGC	This study
SodCT45AF	5'-CTACAGTTCCGGGT**GCC**ACGCCGTCGATTTGGACC	This study
SodCT45AR	5'-GGTCCAAATCGACGGCGT**GGC**ACCCGGAACTGTAG	This study
SodCT46AF	5'-CTACAGTTCCGGGTACC**GCG**CCGTCGATTTGGACC	This study
SodCT46AR	5'-GGTCCAAATCGACGG**CGC**GGTACCCGGAACTGTAG	This study
SodCTTAAF	5'-CTACAGTTCCGGGT**GCCGCG**CCGTCGATTTGGACC	This study
SodCTTAAR	5'-GGTCCAAATCGA**CGGCGC**GGCACCCGGAACTGTAG	This study
SodCT51AF	5'-GCCGTCGATTTGG**GCC**GGATCGCCCGCGCC	This study
SodCT51AR	5'-GGCGCGGGCGATCC**GGC**CCAAATCGACGGC	This study
SodCT131AF	5'-CAACTCGGTTGCCCCC**GCC**GGCGGTGCGCC	This study
SodCT131AR	5'-GGCGCACCGCC**GGC**GGGGGCAACCGAGTTG	This study

a. Restriction endonuclease sites are underlined, site-directed mutations are shown in bold