Supplementary Material

High-Conductance Channel Formation in Yeast Mitochondria is Mediated by F-ATP Synthase e and g Subunits

Michela Carraro[a,b] Vanessa Checchetto[c] Geppo Sartori[a] Roza Kucharczyk[d] Jean-Paul di Rago[e] Giovanni Minervini[a] Cinzia Franchin[a,f] Giorgio Arrigoni[a,f] Valentina Giorgio[a,b] Valeria Petronilli[a,b] Silvio C.E. Tosatto[a] Giovanna Lippe[g] Ildikó Szabó[b,c] Paolo Bernardi[a,b]

[a]Department of Biomedical Sciences, University of Padova, Padova, [b]Consiglio Nazionale delle Ricerche, Institute of Neuroscience, Padova, [c]Department of Biology, University of Padova, Padova, Italy, [d]Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland, [e]Institut de Biochimie et Génétique Cellulaires and CNRS, UMR 5095, Université de Bordeaux, Bordeaux, France, [f]Proteomics Center, University of Padova and Azienda Ospedaliera di Padova, Padova [g]Department of Food, Environmental and Animal Sciences, University of Udine, Udine, Italy

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Supplementary Material to

High-conductance channel formation in yeast mitochondria is mediated by F-ATP synthase e and g subunits

Michela Carraro[1,2*], Vanessa Checchetto[3*], Geppo Sartori[1], Roza Kucharczyk[4], Jean-Paul di Rago[5], Giovanni Minervini[1], Cinzia Franchin[1,6], Giorgio Arrigoni[1,6], Valentina Giorgio[1,2], Valeria Petronilli[1,2], Silvio Tosatto[1], Giovanna Lippe[7], Ildikó Szabó[2,3], and Paolo Bernardi[1,2]

Supplementary figure legends

Fig. S1. Alignment of b subunits of F-ATP synthase. Sequence alignment of subunit b from *Homo sapiens*, *Mus musculus*, *Rattus norvegicus*, *Danio rerio*, *Drosophila melanogaster* and *Saccharomyces cerevisiae*. Conserved structural and functional domains are highlighted by colored boxes.

Fig. S2. Alignment of e and g subunits of F-ATP synthase. Sequence alignment of subunits e and g. Secondary structure elements are calculated for yeast subunits. Colored boxes represent the position of conserved structural and functional elements. The conserved GxxxG dimerization motifs are highlighted in green.

Fig. S3. Mitochondrial membrane potential and oxygen consumption of mutants. (A) Growth properties of yeast mutants. Fresh liquid glucose or selective medium cultures were kept to OD 0.1 and let growing in YPGal liquid medium at 30°C. Absorbance at 600 nm was checked every 2 hours. Statistical analysis was performed for data at 8 hours, ***$P \leq 0.0001$ vs BY4743 by One-Way ANOVA with Bonferroni correction. (B) One hundred µg mitochondria were suspended in 250 mM sucrose, 10 mM MOPS-Tris, 10 µM EGTA, pH 7.4, in presence of 2 mM Pi and 0.4 µM Rhodamine123. Where indicated 1 mM NADH and 4 µM FCCP were added. Values are expressed as mean ± SEM of at indicated number of independent experiments. * $P \leq 0.05$ vs BY4743 by One-Way ANOVA with Bonferroni correction. (C) Five hundred micrograms of mitochondria were suspended in 250 mM sucrose, 10 mM MOPS-Tris, 10 mM Pi and 10 µM EGTA, pH 7.4. Oxygen consumption was assessed by Clark electrode and calculated as ng atoms O x ml^{-1} after additions of 1 mM NADH, 0.1 mM ADP, 6 µM oligomycin and 4 µM FCCP. Bars refer to average ± SEM of indicated number of independent experiments. Respiratory control ratios were expressed as ADP/NADH, ADP/oligo and FCCP/NADH fraction. Values are expressed as mean ± SEM. * $P \leq 0.05$, **$P \leq 0.005$ and ***$P \leq 0.001$ vs BY4743 by One-Way ANOVA with Bonferroni correction. (D) CRC assay was performed as described in Fig. 2E. Histogram refers to the CRC (nmol Ca^{2+}/mg protein) and shows the mean ± SEM of 5 independent experiments. *P* value 0.613427, ns Student's *t*-test analysis.

Fig. S4. Mass analysis of F-ATP synthase dimer and monomer bands from BN-PAGE. F-ATP synthase subunits that could be detected by mass spectrometry and their relative abundances compared to α subunit. Relative protein abundance was estimated with the intensity Based Absolute Quantification (iBAQ) method. The analysis was performed on the monomeric (A) and dimeric (B) forms of ATP synthase from BY4743 (white bars), *ΔeΔg* (orange bars) and *ΔeΔg + b1ΔTM* (blue bars). (C) Relative abundance of several contaminant proteins isolated with the F-ATP synthase dimers, in particular VDAC, ANT2, PIC and ANT1. For comparison, the relative abundances of F-ATP synthase subunits α, β and b are also shown. All data are reported as

percentage of the relative abundance of F-ATP synthase α subunit for BY4743 (white bars), *ΔeΔg* (orange bars) and *ΔeΔg + b1ΔTM* (blue bars).

Fig. S5. F-ATP synthase channel activity is stabilized by Cu^{2+} treatment. (A) Representative current traces observed with untreated (upper trace) or Cu^{2+}-treated (lower trace) wild-type F-ATP synthase. The mean open time determined from 30 s-long traces with Fetchan and PStat algorythms of PClamp8.0 program were 26.5 ± 110 ms and 382 ± 597 ms, respectively. Flickering activity was very often observed with untreated dimers, while long-lasting events and well-behaved channel activity was observed in 8 out of 11 experiments with Cu^{2+}-treated dimers. (B) Mitochondrial megachannel activity recorded by patch clamp experiments on native mitochondrial inner membrane of mitoplasts obtained from HEK293 cells in 150 mM KCl. Current traces at +10 mV (V pip) before (upper trace) and after (lower trace) addition of Gd^{3+} to the recording chamber are shown with the corresponding amplitude histograms (obtained from 30-s traces). Please note the typical flickering behavior and the characteristic presence of different subconductance states. Experiments were performed as described in [15].

Supplementary Table legends

Table S1. Protein groups identified by LC-MS/MS. The file lists all protein groups that were identified in the different preparations of F-ATP synthase. All parameters useful to assess reliability of protein identification are reported.

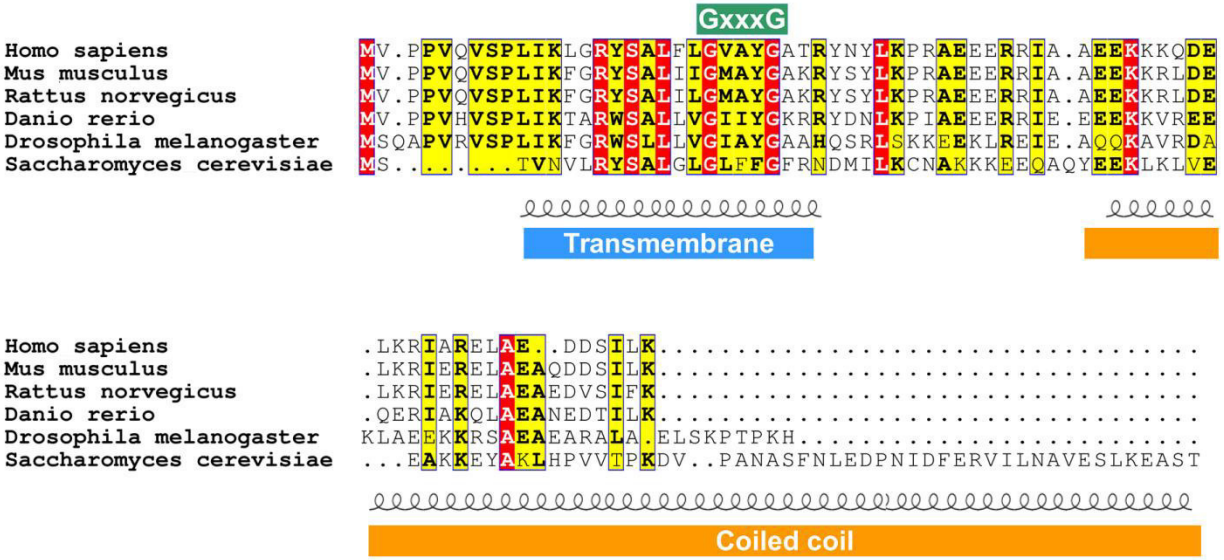
Table S2. Peptides identified by LC-MS/MS. The file lists all peptides that were identified in the different preparations of F-ATP synthase. All parameters useful to assess reliability of peptide identification are reported.

Subunit b



Supplementary Fig. 1

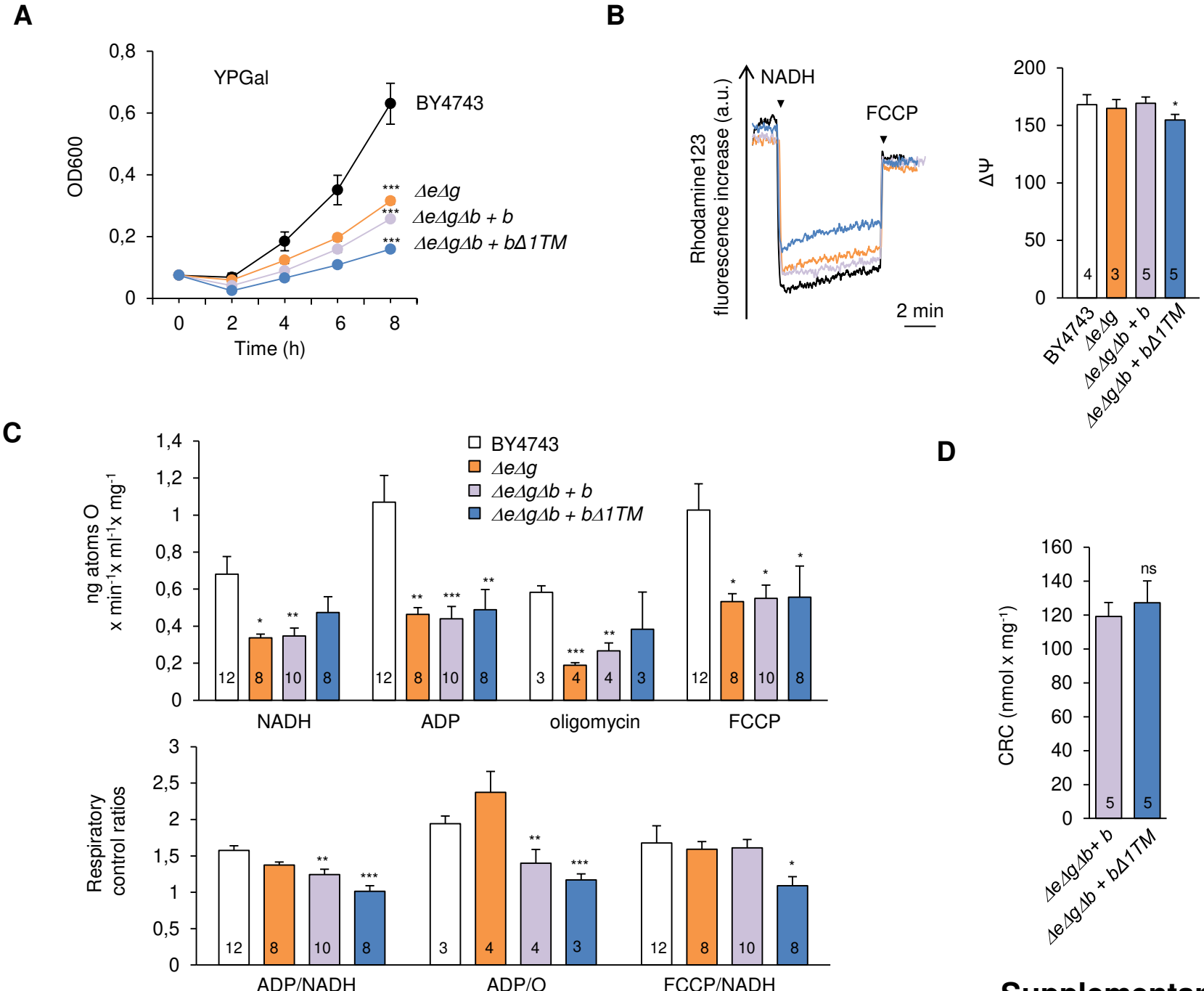
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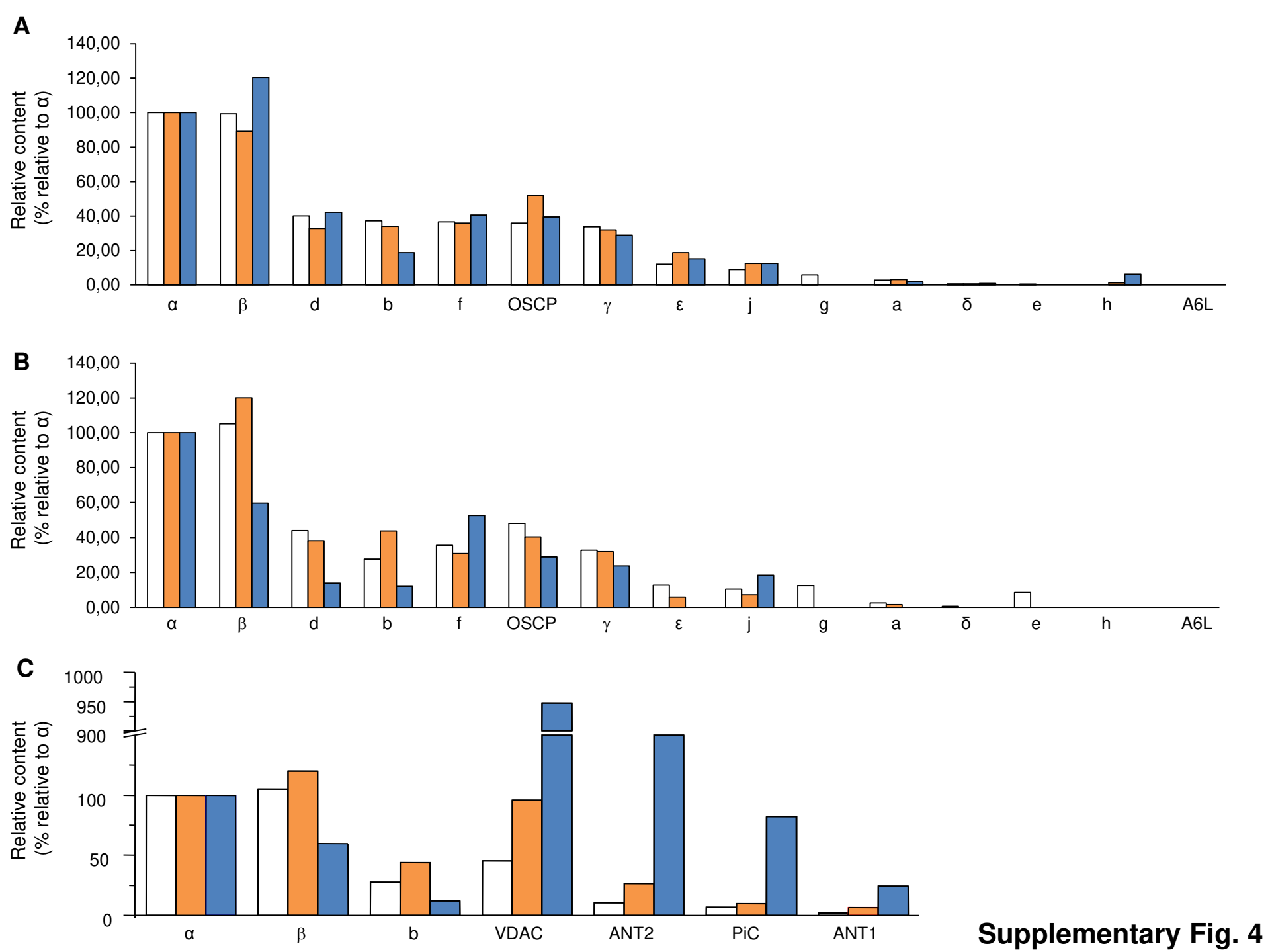
Subunit g



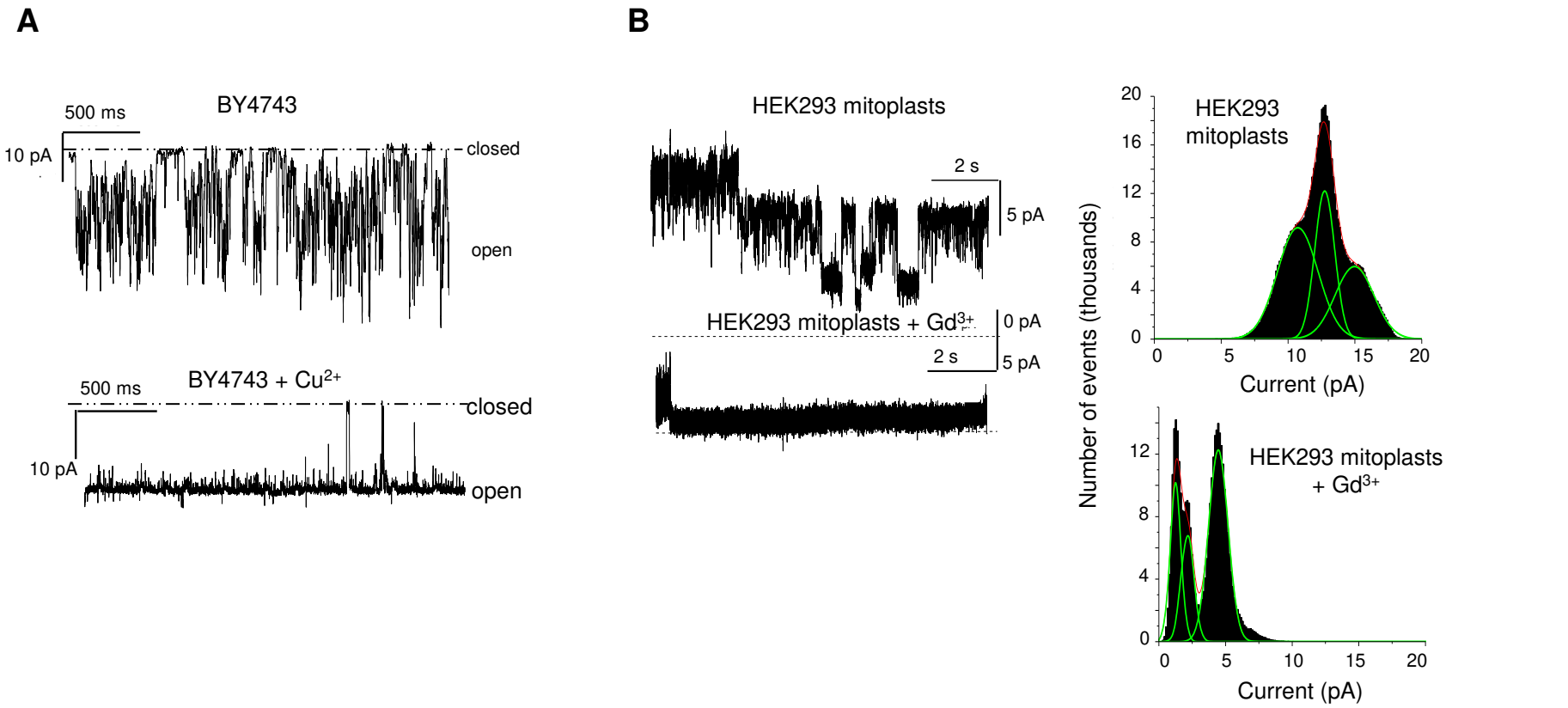
Supplementary Fig. 2



Supplementary Fig. 3



Supplementary Fig. 4



Supplementary Fig. 5

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	3	3	3	>P00761 S	1	3	3
CON__P04	CON__P04	20;1	20;1	11;0	>P04264 S	2	20	20
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CON__P35	CON__P35	15	15	15	>P35527 S	1	15	15
CON__P35	CON__P35	10;2;2;2;2;	8;1;2;1;2;1	4;0;0;0;0;0	>P35908 S	7	10	8
CON__Q8(	CON__Q8(	2	2	2	>Q86YZ3 S	1	2	2
REV__CON	REV__CON	1	1	1	>Q6IME9 T	1	1	1
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Unique pe	Peptides B	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
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12	14	14	12	25,3	25,3	21,8	59,51	593
15	15	15	15	40,8	40,8	40,8	62,129	623
4	10	8	4	20,5	17,4	10,9	65,865	645
2	2	2	2	3,5	3,5	3,5	282,39	2850
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1	1	1	1	11,1	11,1	11,1	7,9021	72
1	1	1	1	8,2	8,2	8,2	17,257	147
11	11	11	11	85,8	85,8	85,8	14,565	127
2	2	2	2	4,4	4,4	4,4	43,655	385
3	3	3	3	15,5	15,5	15,5	28,567	251
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31	31	31	31	72,2	72,2	72,2	54,793	511
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21	21	21	21	77,4	77,4	77,4	30,428	283
15	15	15	15	49,2	49,2	49,2	26,925	244
2	2	2	2	17,2	17,2	17,2	14,554	128
7	7	7	7	31,4	31,4	31,4	34,054	309
7	7	7	7	17	17	17	70,122	617
36	36	36	36	57,4	57,4	57,4	58,607	545
2	2	2	2	16,9	16,9	16,9	6,9631	59
23	23	23	23	62,4	62,4	62,4	50,227	457
27	27	27	27	71,5	71,5	71,5	40,478	368
1	1	1	1	5,6	5,6	5,6	23,505	215
10	10	10	10	54,9	54,9	54,9	23,365	215
1	1	1	1	2,7	2,7	2,7	53,151	488
5	5	5	5	64,9	64,9	64,9	10,974	94
12	12	12	12	63,7	63,7	63,7	22,814	212
4	4	4	4	13,2	13,2	13,2	54,009	499
8	8	8	8	16,9	16,9	16,9	63,625	574
5	5	5	5	20,2	20,2	20,2	30,362	267
3	3	3	3	7,2	7,2	7,2	75,344	663
2	2	2	2	2,8	2,8	2,8	74,467	682
1	1	1	1	1,6	1,6	1,6	76,771	691
3	3	3	3	11,2	11,2	11,2	44,596	393
4	4	4	4	4,1	4,1	4,1	118,64	1071
6	6	6	6	26	26	26	35,65	334
19	21	21	19	50	50	45,6	34,426	318
2	2	2	2	10,1	10,1	10,1	22,063	198
16	16	16	16	24,4	24,4	24,4	85,367	778

24	24	24	24	48,3	48,3	48,3	60,751	572
1	1	1	1	2,5	2,5	2,5	58,402	510
5	5	5	5	71	71	71	6,7425	62
2	2	2	2	7,2	7,2	7,2	39,083	335
3	3	3	3	5,1	5,1	5,1	78,736	704
10	10	10	10	38,7	38,7	38,7	30,231	266
2	3	3	2	6,5	6,5	3,5	48,19	428
15	15	15	15	65,9	65,9	65,9	32,812	311
8	8	8	8	28,4	28,4	28,4	42,038	387
1	1	1	1	2,5	2,5	2,5	62,206	558
1	1	1	1	3,1	3,1	3,1	39,301	360
1	1	1	1	3,6	3,6	3,6	47,156	417
1	1	1	1	1,3	1,3	1,3	113,31	1000
11	11	11	11	39,6	39,6	39,6	39,739	369
13	13	13	13	38,6	38,6	38,6	39,324	360
1	1	1	1	2,3	2,3	2,3	51,719	444
6	6	6	6	13,1	13,1	13,1	77,865	700
17	17	17	17	71,3	71,3	71,3	19,809	174
7	7	7	7	10,8	10,8	10,8	86,869	759
18	18	18	18	33,6	33,6	33,6	72,388	649
1	1	1	1	2,3	2,3	2,3	58,711	526
1	1	1	1	1,7	1,7	1,7	93,288	842
4	4	4	4	14,6	14,6	14,6	57,249	513
2	2	2	2	5,5	5,5	5,5	39,79	345
6	6	6	6	13,2	13,2	13,2	71,124	623
9	9	9	9	11,9	11,9	11,9	95,528	840
1	1	1	1	7,8	7,8	7,8	15,021	129
2	2	2	2	12,8	12,8	12,8	23,332	203
2	2	2	2	4,1	4,1	4,1	65,292	587
2	2	2	2	19,8	19,8	19,8	23,243	222
1	1	1	1	1,3	1,3	1,3	85,136	773
3	3	3	3	13,6	13,6	13,6	22,068	198
5	5	5	5	17,4	17,4	17,4	49,391	430
3	3	3	3	6	6	6	92,674	817
1	1	1	1	2	2	2	67,524	587
1	1	1	1	4,4	4,4	4,4	23,459	206
7	7	7	7	29,1	29,1	29,1	34,137	302
5	5	5	5	9,4	9,4	9,4	61,081	540
2	2	2	2	16,2	16,2	16,2	21,968	197
1	1	1	1	0,9	0,9	0,9	127,11	1133
3	3	3	3	24,3	24,3	24,3	20,248	181
2	2	2	2	33,8	33,8	33,8	8,5928	77
18	18	18	18	55,9	55,9	55,9	34,35	311
2	2	2	2	5,8	5,8	5,8	43,768	429
5	5	5	5	33,5	33,5	33,5	21,137	188
1	1	1	1	3,7	3,7	3,7	38,708	347
3	3	3	3	38,8	38,8	38,8	14,609	134
2	2	2	2	4,5	4,5	4,5	71,32	644
1	1	1	1	4,5	4,5	4,5	34,113	310
1	1	1	1	2,5	2,5	2,5	62,734	570

1	1	1	1	1,4	1,4	1,4	81,528	718
2	2	2	2	15,8	15,8	15,8	24,063	215
1	1	1	1	3,1	3,1	3,1	46,235	415
3	3	3	3	4	4	4	135,27	1215
1	1	1	1	3,3	3,3	3,3	33,528	300
1	1	1	1	7,8	7,8	7,8	14,371	129
2	2	2	2	11,9	11,9	11,9	26,925	244
6	6	6	6	14,2	14,2	14,2	54,658	486
18	18	18	18	35,2	35,2	35,2	62,773	560
1	1	1	1	4,9	4,9	4,9	39,465	345
2	2	2	2	3	3	3	93,275	825
1	1	1	1	1	1	1	99,444	889
1	2	1	1	5,8	2,7	2,7	46,562	412
2	2	2	2	11,1	11,1	11,1	24,018	207
2	2	2	2	2,8	2,8	2,8	95,44	828
19	19	19	19	51,3	51,3	51,3	56,723	519
1	1	1	1	13,1	13,1	13,1	14,697	130
1	1	1	1	1,8	1,8	1,8	87,965	762
2	2	2	2	3,1	3,1	3,1	83,154	721
5	5	5	5	22,3	22,3	22,3	44,427	394
1	1	1	1	2,4	2,4	2,4	52,323	453
2	2	2	2	21,1	21,1	21,1	16,79	152
2	2	2	2	5,4	5,4	5,4	44,441	406
1	1	1	1	8	8	8	15,93	138
2	2	2	2	6,9	6,9	6,9	42,8	393
1	2	1	1	10,3	5,3	5,3	38,349	339
2	2	2	2	9,4	9,4	9,4	25,344	224
10	10	10	10	24,3	24,3	24,3	59,493	526
2	2	2	2	15,6	15,6	15,6	24,106	211
2	2	2	2	30,2	30,2	30,2	10,875	96
4	4	4	4	55,9	55,9	55,9	6,6877	59
10	10	10	10	19,4	19,4	19,4	70,229	640
4	4	4	4	11,7	11,7	11,7	52,088	454
6	6	6	6	14,3	14,3	14,3	55,098	476
3	3	3	3	10,3	10,3	10,3	34,206	310
2	2	2	2	7,3	7,3	7,3	44,881	384
2	2	2	2	12,6	12,6	12,6	18,477	159
6	6	6	6	25,2	25,2	25,2	34,184	314
1	1	1	1	2,2	2,2	2,2	60,813	534
3	3	3	3	10,1	10,1	10,1	53,57	456
1	1	1	1	2,5	2,5	2,5	45,869	403
6	6	6	6	21,4	21,4	21,4	32,916	295
1	1	1	1	5,5	5,5	5,5	24,723	219
4	4	4	4	30,7	30,7	30,7	11,312	101
1	1	1	1	8,9	8,9	8,9	17,91	168
1	1	1	1	2,6	2,6	2,6	66,689	583
1	1	1	1	3,1	3,1	3,1	65,004	573
3	3	3	3	45	45	45	17,02	160
4	5	5	4	15,8	15,8	10,9	38,071	341
5	5	5	5	45,2	45,2	45,2	12,921	115

1	1	1	1	11,3	11,3	11,3	14,128	124
1	1	1	1	4,4	4,4	4,4	20,269	180
1	1	1	1	4,9	4,9	4,9	36,802	344
1	1	1	1	13,7	13,7	13,7	8,1644	73
1	1	1	1	13,7	13,7	13,7	8,381	73
2	2	2	2	15,6	15,6	15,6	9,6176	90
1	1	1	1	11,3	11,3	11,3	10,408	97
1	1	1	1	3,2	3,2	3,2	36,767	310
2	2	2	2	7,5	7,5	7,5	34,007	307

Sequence l	Q-value	Sequence (	Intensity	Intensity B	iBAQ	iBAQ BY_M	LFQ intens	MS/MS Co
231	0	16,5	4,84E+06	4,84E+06	4,40E+05	4,40E+05	4,68E+06	4
644;99	0	33,4	3,62E+07	3,62E+07	1,17E+06	1,17E+06	3,62E+07	18
593;570;4	0	25,3	2,41E+07	2,41E+07	9,29E+05	9,29E+05	2,41E+07	19
623	0	40,8	1,30E+07	1,30E+07	5,01E+05	5,01E+05	1,30E+07	15
645;524;5	0	20,5	1,90E+07	1,90E+07	4,87E+05	4,87E+05	1,90E+07	9
2850	0	3,5	2,29E+05	2,29E+05	2,70E+03	2,70E+03	2,29E+05	2
520	0,006579	0	3,09E+06	3,09E+06	NaN	NaN	3,09E+06	1
72	0	11,1	3,91E+05	3,91E+05	1,30E+05	1,30E+05	3,91E+05	1
147	0	8,2	1,22E+06	1,22E+06	2,04E+05	2,04E+05	1,22E+06	1
127	0	85,8	3,79E+07	3,79E+07	4,74E+06	4,74E+06	3,79E+07	13
385;423;5	0	4,4	4,76E+06	4,76E+06	9,51E+05	9,51E+05	4,76E+06	2
251	0	15,5	2,98E+06	2,98E+06	3,73E+05	3,73E+05	2,98E+06	5
153	0	37,3	3,15E+06	3,15E+06	3,94E+05	3,94E+05	3,15E+06	2
151	0	21,2	3,76E+06	3,76E+06	4,17E+05	4,17E+05	3,76E+06	3
511	0	72,2	1,93E+09	1,93E+09	7,13E+07	7,13E+07	1,92E+09	62
259	0	9,3	6,09E+06	6,09E+06	2,03E+06	2,03E+06	6,09E+06	1
479	0	21,5	7,11E+06	7,11E+06	2,85E+05	2,85E+05	7,11E+06	7
437;437	0	5	6,98E+05	6,98E+05	3,49E+04	3,49E+04	6,98E+05	2
437	0	6,9	1,11E+06	1,11E+06	4,64E+04	4,64E+04	1,11E+06	2
458	0	15,1	6,92E+06	6,92E+06	3,15E+05	3,15E+05	6,92E+06	7
78	0	12,8	2,30E+06	2,30E+06	5,74E+05	5,74E+05	2,30E+06	1
528;520	0	4,7	3,17E+05	3,17E+05	1,27E+04	1,27E+04	3,17E+05	1
309	0	8,1	3,71E+07	3,71E+07	1,95E+06	1,95E+06	3,71E+07	6
283	0	77,4	9,39E+08	9,39E+08	5,87E+07	5,87E+07	9,39E+08	32
244	0	49,2	3,74E+08	3,74E+08	2,67E+07	2,67E+07	3,74E+08	26
128;128;1	0	17,2	2,11E+06	2,11E+06	3,52E+05	3,52E+05	2,11E+06	2
309	0	31,4	2,42E+07	2,42E+07	2,20E+06	2,20E+06	2,42E+07	7
617	0	17	8,78E+06	8,78E+06	2,66E+05	2,66E+05	8,78E+06	9
545	0	57,4	2,15E+09	2,15E+09	7,18E+07	7,18E+07	2,15E+09	71
59	0	16,9	2,70E+06	2,70E+06	9,00E+05	9,00E+05	2,70E+06	3
457	0	62,4	1,84E+08	1,84E+08	7,98E+06	7,98E+06	1,84E+08	31
368	0	71,5	2,56E+08	2,56E+08	1,22E+07	1,22E+07	2,56E+08	38
215	0	5,6	3,52E+05	3,52E+05	2,51E+04	2,51E+04	3,52E+05	1
215	0	54,9	1,55E+07	1,55E+07	1,55E+06	1,55E+06	1,55E+07	7
488	0	2,7	6,89E+05	6,89E+05	2,87E+04	2,87E+04	6,89E+05	1
94	0	64,9	5,97E+06	5,97E+06	9,95E+05	9,95E+05	5,97E+06	5
212	0	63,7	3,09E+08	3,09E+08	2,58E+07	2,58E+07	3,09E+08	20
499	0	13,2	1,47E+06	1,47E+06	5,26E+04	5,26E+04	1,47E+06	3
574	0	16,9	8,30E+06	8,30E+06	3,95E+05	3,95E+05	8,30E+06	7
267	0	20,2	3,95E+05	3,95E+05	2,64E+04	2,64E+04	3,95E+05	3
663	0	7,2	1,18E+06	1,18E+06	3,93E+04	3,93E+04	1,18E+06	3
682	0	2,8	3,35E+05	3,35E+05	1,02E+04	1,02E+04	3,35E+05	2
691	0	1,6	2,31E+05	2,31E+05	7,01E+03	7,01E+03	2,31E+05	1
393	0	11,2	1,52E+06	1,52E+06	8,02E+04	8,02E+04	1,52E+06	2
1071	0	4,1	2,02E+06	2,02E+06	3,25E+04	3,25E+04	2,02E+06	5
334	0	26	4,72E+06	4,72E+06	2,95E+05	2,95E+05	4,72E+06	7
318;307	0	50	2,25E+08	2,25E+08	1,18E+07	1,18E+07	2,25E+08	18
198	0	10,1	8,64E+05	8,64E+05	1,08E+05	1,08E+05	8,64E+05	2
778	0	24,4	1,77E+07	1,77E+07	4,43E+05	4,43E+05	1,77E+07	12

572	0	48,3	7,12E+07	7,12E+07	2,22E+06	2,22E+06	7,12E+07	27
510	1	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
62	0	71	3,46E+07	3,46E+07	8,66E+06	8,66E+06	3,46E+07	7
335	0	7,2	2,28E+05	2,28E+05	1,20E+04	1,20E+04	2,28E+05	0
704	0	5,1	9,26E+05	9,26E+05	2,11E+04	2,11E+04	9,26E+05	4
266	0	38,7	1,53E+07	1,53E+07	9,56E+05	9,56E+05	1,53E+07	8
428	0	6,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
311	0	65,9	1,09E+08	1,09E+08	6,83E+06	6,83E+06	1,09E+08	22
387	0	28,4	8,24E+06	8,24E+06	5,49E+05	5,49E+05	8,24E+06	8
558	0	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
360	0	3,1	3,19E+05	3,19E+05	1,59E+04	1,59E+04	3,19E+05	1
417	0	3,6	3,52E+05	3,52E+05	1,53E+04	1,53E+04	3,52E+05	1
1000	1	1,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
369	0	39,6	2,35E+07	2,35E+07	1,96E+06	1,96E+06	2,35E+07	14
360	0	38,6	2,16E+07	2,16E+07	1,14E+06	1,14E+06	2,16E+07	16
444	0	2,3	6,60E+05	6,60E+05	3,14E+04	3,14E+04	6,60E+05	1
700	0	13,1	4,22E+06	4,22E+06	1,11E+05	1,11E+05	4,22E+06	6
174	0	71,3	2,88E+08	2,88E+08	2,88E+07	2,88E+07	2,88E+08	26
759;753	0	10,8	7,56E+06	7,56E+06	2,10E+05	2,10E+05	7,56E+06	7
649	0	33,6	6,54E+06	6,54E+06	1,64E+05	1,64E+05	6,54E+06	11
526	0	2,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
842	0	1,7	1,03E+05	1,03E+05	2,23E+03	2,23E+03	1,03E+05	1
513	0	14,6	2,76E+06	2,76E+06	1,10E+05	1,10E+05	2,76E+06	4
345	0	5,5	1,07E+06	1,07E+06	6,70E+04	6,70E+04	1,07E+06	2
623	0	13,2	2,57E+06	2,57E+06	7,13E+04	7,13E+04	2,57E+06	7
840	0	11,9	4,55E+06	4,55E+06	1,38E+05	1,38E+05	4,55E+06	8
129	0	7,8	6,18E+05	6,18E+05	6,87E+04	6,87E+04	6,18E+05	1
203	0	12,8	3,04E+06	3,04E+06	2,53E+05	2,53E+05	3,04E+06	2
587	0	4,1	7,62E+05	7,62E+05	3,05E+04	3,05E+04	7,62E+05	2
222	0	19,8	9,24E+05	9,24E+05	1,03E+05	1,03E+05	9,24E+05	2
773	0	1,3	4,43E+05	4,43E+05	1,27E+04	1,27E+04	4,43E+05	1
198	0	13,6	3,33E+06	3,33E+06	2,77E+05	2,77E+05	3,33E+06	3
430	0	17,4	2,70E+06	2,70E+06	1,35E+05	1,35E+05	2,70E+06	7
817	0	6	1,76E+06	1,76E+06	5,69E+04	5,69E+04	1,76E+06	3
587	0	2	7,38E+05	7,38E+05	4,10E+04	4,10E+04	7,38E+05	1
206	0	4,4	6,53E+05	6,53E+05	7,26E+04	7,26E+04	6,53E+05	2
302	0	29,1	4,50E+06	4,50E+06	2,50E+05	2,50E+05	4,50E+06	7
540	0	9,4	3,94E+06	3,94E+06	1,46E+05	1,46E+05	3,94E+06	5
197	0	16,2	3,71E+06	3,71E+06	5,30E+05	5,30E+05	3,71E+06	2
1133	1	0,9	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
181	0	24,3	2,54E+06	2,54E+06	2,82E+05	2,82E+05	2,54E+06	3
77	0	33,8	9,19E+06	9,19E+06	1,84E+06	1,84E+06	9,19E+06	2
311	0	55,9	4,37E+08	4,37E+08	2,43E+07	2,43E+07	4,37E+08	19
429	0	5,8	1,98E+06	1,98E+06	1,98E+05	1,98E+05	1,98E+06	2
188	0	33,5	1,77E+06	1,77E+06	1,26E+05	1,26E+05	1,77E+06	2
347	0	3,7	3,58E+05	3,58E+05	2,24E+04	2,24E+04	3,58E+05	1
134	0	38,8	8,47E+06	8,47E+06	2,12E+06	2,12E+06	8,47E+06	6
644	0	4,5	4,04E+05	4,04E+05	1,39E+04	1,39E+04	4,04E+05	1
310	0	4,5	6,78E+05	6,78E+05	3,39E+04	3,39E+04	6,78E+05	1
570;570	0	2,5	3,62E+05	3,62E+05	1,81E+04	1,81E+04	3,62E+05	1

718	0	1,4	3,60E+05	3,60E+05	1,09E+04	1,09E+04	3,60E+05	1
215;207	0	15,8	6,04E+05	6,04E+05	1,01E+05	1,01E+05	6,04E+05	2
415	0	3,1	2,31E+05	2,31E+05	1,21E+04	1,21E+04	2,31E+05	1
1215	0	4	1,39E+06	1,39E+06	2,28E+04	2,28E+04	1,39E+06	3
300	0	3,3	1,16E+06	1,16E+06	8,26E+04	8,26E+04	1,16E+06	1
129	0	7,8	3,17E+05	3,17E+05	4,52E+04	4,52E+04	3,17E+05	1
244	0	11,9	7,71E+05	7,71E+05	6,42E+04	6,42E+04	7,71E+05	2
486	0	14,2	4,00E+06	4,00E+06	1,74E+05	1,74E+05	4,00E+06	5
560	0	35,2	2,64E+07	2,64E+07	8,25E+05	8,25E+05	2,64E+07	28
345	0	4,9	5,03E+05	5,03E+05	4,19E+04	4,19E+04	5,03E+05	1
825;761	0	3	7,13E+05	7,13E+05	1,52E+04	1,52E+04	7,13E+05	2
889	0	1	7,10E+05	7,10E+05	1,58E+04	1,58E+04	7,10E+05	1
412;420	1	5,8	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
207	0	11,1	8,58E+05	8,58E+05	6,60E+04	6,60E+04	8,58E+05	2
828;835	0	2,8	2,80E+05	2,80E+05	5,95E+03	5,95E+03	2,80E+05	2
519	0	51,3	3,99E+07	3,99E+07	1,33E+06	1,33E+06	3,99E+07	22
130	0	13,1	4,87E+05	4,87E+05	8,12E+04	8,12E+04	4,87E+05	1
762	0	1,8	9,73E+05	9,73E+05	3,74E+04	3,74E+04	9,73E+05	1
721	0	3,1	5,97E+05	5,97E+05	1,66E+04	1,66E+04	5,97E+05	2
394	0	22,3	2,63E+06	2,63E+06	1,05E+05	1,05E+05	2,63E+06	3
453	0	2,4	1,85E+05	1,85E+05	9,27E+03	9,27E+03	1,85E+05	1
152	0	21,1	1,02E+06	1,02E+06	1,46E+05	1,46E+05	1,02E+06	2
406	0	5,4	9,19E+05	9,19E+05	5,74E+04	5,74E+04	9,19E+05	2
138	0	8	4,32E+05	4,32E+05	1,44E+05	1,44E+05	4,32E+05	1
393	0	6,9	5,58E+05	5,58E+05	2,33E+04	2,33E+04	5,58E+05	1
339	0	10,3	2,03E+06	2,03E+06	1,35E+05	1,35E+05	2,03E+06	2
224	0	9,4	9,18E+05	9,18E+05	1,15E+05	1,15E+05	9,18E+05	2
526	0	24,3	8,44E+06	8,44E+06	2,91E+05	2,91E+05	8,44E+06	9
211	0	15,6	8,26E+05	8,26E+05	9,18E+04	9,18E+04	8,26E+05	3
96	0	30,2	2,48E+06	2,48E+06	4,14E+05	4,14E+05	2,48E+06	3
59	0	55,9	2,59E+07	2,59E+07	6,48E+06	6,48E+06	2,59E+07	3
640;634	0	19,4	9,03E+06	9,03E+06	2,82E+05	2,82E+05	9,03E+06	7
454;483	0	11,7	3,28E+06	3,28E+06	1,37E+05	1,37E+05	3,28E+06	4
476	0	14,3	2,15E+06	2,15E+06	8,95E+04	8,95E+04	2,15E+06	4
310	0	10,3	8,82E+05	8,82E+05	5,19E+04	5,19E+04	8,82E+05	1
384	0	7,3	1,18E+06	1,18E+06	7,35E+04	7,35E+04	1,18E+06	3
159	0	12,6	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
314	0	25,2	4,80E+06	4,80E+06	3,43E+05	3,43E+05	4,80E+06	7
534	1	2,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
456	0	10,1	1,33E+06	1,33E+06	4,92E+04	4,92E+04	1,33E+06	3
403	0	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
295	0	21,4	3,86E+06	3,86E+06	2,03E+05	2,03E+05	3,86E+06	5
219	0	5,5	1,05E+06	1,05E+06	1,05E+05	1,05E+05	1,05E+06	1
101	0	30,7	1,58E+08	1,58E+08	2,63E+07	2,63E+07	1,58E+08	9
168	0	8,9	2,84E+05	2,84E+05	7,10E+04	7,10E+04	2,84E+05	1
583	0	2,6	2,88E+05	2,88E+05	9,01E+03	9,01E+03	2,88E+05	1
573	0	3,1	7,83E+05	7,83E+05	2,37E+04	2,37E+04	7,83E+05	1
160	0	45	3,44E+06	3,44E+06	4,92E+05	4,92E+05	3,44E+06	3
341	0	15,8	1,92E+06	1,92E+06	1,28E+05	1,28E+05	1,92E+06	3
115	0	45,2	3,42E+07	3,42E+07	4,28E+06	4,28E+06	3,42E+07	5

124	0	11,3	4,77E+06	4,77E+06	5,97E+05	5,97E+05	4,77E+06	1
180	0	4,4	1,23E+06	1,23E+06	1,54E+05	1,54E+05	1,23E+06	1
344	0	4,9	5,22E+05	5,22E+05	2,90E+04	2,90E+04	5,22E+05	1
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
73	0	13,7	1,04E+06	1,04E+06	3,47E+05	3,47E+05	1,04E+06	1
90	0	15,6	2,53E+06	2,53E+06	6,33E+05	6,33E+05	2,53E+06	3
97	0	11,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
310	0	3,2	1,98E+05	1,98E+05	1,41E+04	1,41E+04	1,98E+05	1
307	0	7,5	2,92E+05	2,92E+05	1,72E+04	1,72E+04	2,92E+05	1

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
4			+	0	389;441;7(	True;True;	390;442;7(	466;530;8
18			+	1	9;119;188;	True;True;	9;119;189;	10;140;22
19			+	2	156;249;3	True;True;	156;250;3	181;293;3
15			+	3	83;142;19	True;True;	83;142;19	99;165;23
9			+	4	52;178;18	True;True;	52;179;18	64;212;22
2			+	5	247;544	True;True	248;545	291;649
1		+	+	6	58	True	58	70
1				7	432	True	433	520
1				8	33	True	33	42
13				9	17;49;144;	True;True;	17;49;144;	21;22;60;6
2				10	111;239	True;True	111;240	132;282
5				11	22;204;41	True;True;	22;205;41	27;241;49
2				12	466;520;5(	True;True;	467;521;5(	560;622;6
3				13	141;406;4(	True;True;	141;407;4(	164;488;5(
62				14	16;62;70;1	True;True;	16;62;70;1	18;19;20;7
1				15	24;771	True;True	24;773	29;926;92
7				16	21;42;59;3	True;True;	21;42;59;3	26;52;71;3
2				17	289;740	True;True	290;742	342;890
2				18	337;409	True;True	338;410	403;493
7				19	287;420;5	True;True;	288;421;5	340;505;6
1				20	80	True	80	96
1				21	27;334	True;True	27;335	32;400
6				22	523;524;7	True;True;	524;525;7	625;626;6
32				23	28;29;74;7	True;True;	28;29;74;7	33;34;35;3
26				24	26;43;61;1	True;True;	26;43;61;1	31;53;54;7
2				25	307;668	True;True	308;670	367;802
7				26	4;114;203;	True;True;	4;114;204;	4;135;240;
9				27	30;38;183;	True;True;	30;38;184;	38;39;47;2
71				28	32;45;57;1	True;True;	32;45;57;1	41;56;69;1
3				29	145;205	True;True	145;206	168;169;2
31				30	1;40;41;63	True;True;	1;40;41;63	1;49;50;51
38				31	79;95;96;1	True;True;	79;95;96;1	94;95;113;
1				32	764	True	766	918
7				33	243;339;3	True;True;	244;340;3	287;406;4(
1				34	23	True	23	28
5				35	15;226;22	True;True;	15;227;22	17;266;26
20				36	0;101;216;	True;True;	0;101;217;	0;120;253;
3				37	476;562;7(	True;True;	477;563;7(	571;673;8
7				38	78;366;55	True;True;	78;367;55	93;441;66
3				39	86;379;51	True;True;	86;380;51	103;455;6
3				40	7;386;790	True;True;	7;387;793	7;463;953
2				41	443;642	True;True	444;643	532;771
1				42	82	True	82	98
2				43	11;589;61	True;True;	11;590;61	12;704;73
5				44	55;198;47	True;True;	55;199;47	67;234;57
7				45	69;112;18	True;True;	69;112;18	83;133;22
18				46	35;165;20	True;True;	35;166;21(	44;191;19
2				47	541;542	True;True	542;543	646;647
12				48	87;140;17	True;True;	87;140;17	104;163;2(

27		49	6;44;102;1	True;True;	6;44;102;1	6;55;121;1
0	+	50	275	True	276	325
7		51	14;329;61	True;True;	14;330;61	15;16;392;
0		52	10;162	True;True	10;163	11;188
4		53	123;155;7	True;True;	123;155;7	145;180;8
8		54	36;77;93;1	True;True;	36;77;93;1	45;92;111;
1		55	540;645;7	True;True;	541;646;7	645;774;8
22		56	46;53;132;	True;True;	46;53;132;	57;65;155;
8		57	12;110;24	True;True;	12;110;24	13;131;28
0		58	412	True	413	496
1		59	783	True	786	945
1		60	682	True	684	817
0	+	61	85	True	85	102
14		62	160;174;3	True;True;	161;175;3	186;207;3
16		63	60;84;116;	True;True;	60;84;116;	72;100;10
1		64	118	True	118	139
6		65	20;223;23	True;True;	20;224;23	25;260;27
26		66	91;92;99;1	True;True;	91;92;99;1	109;110;1
7		67	67;81;185;	True;True;	67;81;186;	81;97;221;
11		68	51;54;94;1	True;True;	51;54;94;1	63;66;112;
0		69	616	True	617	738
1		70	169	True	170	197
4		71	250;347;5	True;True;	251;348;5	294;416;7
2		72	3;454	True;True	3;455	3;548
7		73	253;651;6	True;True;	254;652;6	297;782;8
8		74	19;71;103;	True;True;	19;71;103;	24;85;123;
1		75	662	True	664	796
2		76	107;171	True;True	107;172	127;128;2
2		77	400;675	True;True	401;677	479;810
2		78	261;681	True;True	262;683	308;816
1		79	395	True	396	474
3		80	2;270;754	True;True;	2;271;756	2;319;905
7		81	117;380;3	True;True;	117;381;3	138;456;4
3		82	317;396;5	True;True;	318;397;5	378;475;6
1		83	756	True	758	908
2		84	529	True	530	632
7		85	97;219;25	True;True;	97;220;25	115;256;2
5		86	37;301;40	True;True;	37;302;40	46;359;48
2		87	436;703	True;True	437;705	524;843
0	+	88	154	True	154	179
3		89	255;377;6	True;True;	256;378;6	299;453;7
2		90	195;305	True;True	196;306	231;364
19		91	68;90;149;	True;True;	68;90;149;	82;107;10
2		92	716;741	True;True	718;743	861;891
2		93	426;460;5	True;True;	427;461;5	512;554;6
1		94	778	True	781	938
6		95	128;229;4	True;True;	128;230;4	151;270;5
1		96	641;725	True;True	642;727	770;871
1		97	47	True	47	58
1		98	365	True	366	440

1		99	75	True	75	90	
2		100	356;669	True;True	357;671	428;803	
1		101	98	True	98	116	
3		102	351;430;58	True;True;	352;431;58	422;518;70	
1		103	456	True	457	550	
1		104	277	True	278	327	
2		105	56;172	True;True	56;173	68;205	
5		106	153;345;48	True;True;	153;346;48	178;414;58	
28		107	18;120;121	True;True;	18;120;121	23;141;142	
1		108	164	True	165	190	
2		109	207;659	True;True	208;661	244;793	
1		110	31	True	31	40	
1	+	111	397;645	True;False	398;646	476;774	
2		112	311;427	True;True	312;428	371;513	
2		113	325;729	True;True	326;731	387;875	
22		114	13;129;158	True;True;	13;129;159	14;152;184	
1		115	757	True	759	909	
1		116	274	True	275	324	
2		117	130;722	True;True	130;724	153;868	
3		118	281;291;29	True;True;	282;292;29	333;344;34	
1		119	652	True	653	783	
2		120	549;644	True;True	550;645	656;773	
2		121	577;803	True;True	578;806	691;967	
1		122	746	True	748	896	
1		123	717;742	True;True	719;744	862;892	
2		124	8;48	False;True	8;48	8;9;59	
2		125	88;697	True;True	88;699	105;835	
9		126	66;106;161	True;True;	66;106;162	80;126;187	
3		127	73;105	True;True	73;105	88;125	
3		128	113;721	True;True	113;723	134;867	
3		129	133;194;55	True;True;	133;195;55	156;230;66	
7		130	25;64;108;	True;True;	25;64;108;	30;78;129;	
4		131	134;428;51	True;True;	134;429;51	157;514;61	
4		132	115;310;40	True;True;	115;311;40	136;370;48	
1		133	5;422;462	True;True;	5;423;463	5;507;556	
3		134	245;437	True;True	246;438	289;525	
0		135	89;461	True;True	89;462	106;555	
7		136	284;445;47	True;True;	285;446;47	336;337;53	
0	+	137	444	True	445	533	
3		138	418;434;61	True;True;	419;435;62	503;522;74	
0		139	273	True	274	323	
5		140	360;384;39	True;True;	361;385;39	434;461;47	
1		141	50	True	50	62	
9		142	278;558;60	True;True;	279;559;60	328;329;33	
1		143	125	True	125	147	
1		144	303	True	304	362	
1		145	630	True	631	757	
3		146	122;290;42	True;True;	122;291;42	143;144;34	
3		147	8;34;177;3	True;True;	8;34;178;3	8;9;43;211	
5		148	39;309;479	True;True;	39;310;480	48;369;574	

1	149	65	True	65	79	
1	150	323	True	324	384	
1	151	583	True	584	698	
0	152	378	True	379	454	
1	153	564	True	565	676	
3	154	590;591	True;True	591;592	705;706;7(	
0	155	768	True	770	923	
1	156	353	True	354	425	
1	157	196;222	True;True	197;223	232;259	

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
553;625;98	553;625;988		
12;158;255	12;158;259	0;1;2;3	259;262;469;493
200;346;44	200;346;44	4;5	306;321
110;111;18	110;183;27	6;7;8	245;269;326
71;247;259	71;247;259	9	343
344;767	344;767		
77	77		
614	614		
47	47		
26;27;66;6	27;68;185;	10	56
149;329	149;329		
32;284;285	32;285;589		
662;734;79	662;734;79	11	41
182;576;66	182;576;662		
21;22;23;2	24;82;93;1	12;13;14;1	97;234;255;322;426;492
34;1091;10	34;1091	18;19	80;82
31;57;78;4	31;57;78;4	20	84
406;1046	406;1046		
477;584	477;584		
404;596;75	404;596;752;776;941;1134		
107	107		
37;474	37;474		
737;738;73	737;739;1118;1120		
38;39;40;4	40;42;99;1	21;22	142;167
36;58;59;8	36;58;81;135;217;512;750;995;1034;1036;1040;1054;1057;1124;1126		
435;945	435;945		
5;6;153;28	5;153;283;	23;24;25	128;233;247
43;44;52;2	44;52;253;532;543;698;798		
46;61;76;1	46;61;76;1	26;27	99;263
186;187;28	186;287		
2;54;55;56	2;54;56;84	28;29;30;3	339;446;452;454;455
105;106;12	105;128;129;205;209;252;257;267;268;276;282;314;323;448;478;496;530;572;664;666;8		
1082	1082		
338;480;48	338;480;48	33;34;35;3	59;63;82;91;134
33	33		
19;20;311;	19;311;312	38;39	10;16
0;1;137;29	1;137;298;356;393;538;546;556;558;680;701;974		
673;793;98	673;793;98	40	243
104;526;78	104;526;78	41	303
115;541;73	115;541;73	42;43;44	29;33;158
9;550;1122	9;550;1122		
627;906	627;906		
109	109		
14;828;870	14;828;870	45;46	44;46
74;275;675	74;275;675;895		
92;150;258	92;150;258;363;498;1073		
49;211;212	49;211;291	47;48;49;5	29;57;114;255;256;257;304;310
764;765	764;765		
116;181;24	116;181;24	55;56;57;5	299;390;520;615

8;60;138;1 8;60;139;1 59;60;61;6 135;187;214;513
385 385 63 481
17;18;463; 17;463;871;877;907
13;208 13;208 64 107
163;199;1(163;199;1049
50;103;12(50;103;12(65;66;67;6 97;127;226;231
763;909;1(763;909;1(69 34
62;63;72;1 62;72;173; 70;71;72 35;119;124
15;148;33(15;148;33(73 94
587 587 74 403
1114 1114
961 961
114 114 75 498
206;241;2 206;242;443;509;521;841;911;917;972;1100;1139
79;80;112; 80;112;155;180;243;281;328;386;431;552;771;931;969
157 157
30;305;32 30;305;32 76 142
121;122;1 121;122;1 77;78 153;174
90;108;25(90;108;256;292;376;630;686
70;73;127; 70;73;127; 79;80;81;8 322;346;359;385;519;585;622
872 872 86 359
219 219
347;499;8 347;499;834;879
4;650 4;650
350;921;9 350;922;973;1012;1037;1143
29;94;140; 29;94;140; 87;88 14;356
938 938
144;145;2 144;238
566;954 566;954
366;960 366;960
561 561
3;379;106 3;379;1064
156;542;5 156;542;549;640;887
449;562;7 449;562;740
1071 1071
747;748 748
130;131;3(130;301;3 89 82
51;427;56 51;427;569;688;1063
619;990 619;990
198 198 90 481
355;539;8 355;539;857
272;432 272;432
91;119;12(91;119;19 91;92;93;9 77;251;255;280
1013;1047 1013;1047
605;656;8(605;656;8(95;96;97;9 1;11;14;15;72;121
1106 1106
169;315;3 169;316;591
905;1023 905;1023 101 137
64 64
525 525

100 100
511;946 511;946
132 132
505;612;8 505;612;824
652 652
387 387
75;239 75;239
197;497;6 197;497;6 102;103 291;339
28;159;16 28;159;160;166;184;290;325;396;510;682;696;718;797;827;913;964;966;1132
210 210
289;935 289;935
45 45
563;909 563;909 104;105 254;258
439;606 439;606
458;1029 458;1029
16;170;20 16;170;20 106;107;1 370;441;499
1072 1072
384 384
171;1020 171;1020
395;408;4 395;408;409;735;861
923 923
775;908 775;908
815;1137 815;1137
1053 1053
1014;1048 1014;1048 109 271
10;11;65 10;65
117;981 117;981
89;143;20 89;143;20 110 475
97;98;142 97;142
151;152;1 151;1019
174;271;7 174;271;7 111 27
35;87;146; 35;87;146; 112;113;1 114;133;270;340
175;607;7 175;607;722;1004
154;438;5 154;438;5 116;117;1 408;410;427
7;598;658 7;598;658 119;120 39;65
341;342;6 341;620
118;657 118;657 121;122 4;18
398;399;6 398;629;670;733;809;953
628 628 123 404
594;617;8 594;617;876
383 383 124 157
517;518;5 518;548;5 125 192
69 69
388;389;3 390;786;844;1117
165 165
430 430
891 891
161;162;4 161;407;5 126 82
10;11;48;2 10;48;246; 127 72
53;437;67 53;437;676;768;892

88	88		
455	455		
822	822		
540	540	128	42
796	796		
829;830;8	829;831		
1088	1088	129	41
508	508		
273;304	273;304	130	180

305;880;898;1059;1061;1062;1113

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	4	4	4	>P00761 S	1	4	4
CON__P02	CON__P02	6;3;3;3;3;2	1;1;1;0;0;0	1;1;1;0;0;0	>P02533 S	16	6	1
CON__P04	CON__P04	28;1	28;1	18;0	>P04264 S	2	28	28
CON__P08	CON__P08	8	5	3	>P08779 S	1	8	5
CON__P13	CON__P13	19;7;3	19;7;3	15;5;0	>P13645 S	3	19	19
CON__P35	CON__P35	17;1	16;0	16;0	>P35527 S	2	17	16
CON__P35	CON__P35	14;2;2;2;2;	12;1;2;1;2;	7;0;0;0;0;0	>P35908 S	9	14	12
REV__sp|F	REV__sp|F	1	1	1	>sp|P3238	1	1	1
sp|P00044	sp|P00044	1	1	1	>sp|P0004	1	1	1
sp|P00127	sp|P00127	1	1	1	>sp|P0012	1	1	1
sp|P00128	sp|P00128	11	11	11	>sp|P0012	1	11	11
sp|P00163	sp|P00163	2;2;2;2	2;2;2;2	2;2;2;2	>sp|P0016	4	2	2
sp|P00401	sp|P00401	2	2	2	>sp|P0040	1	2	2
sp|P00410	sp|P00410	7	7	7	>sp|P0041	1	7	7
sp|P00424	sp|P00424	7	5	5	>sp|P0042	1	7	5
sp|P00425	sp|P00425	8	8	6	>sp|P0042	1	8	8
sp|P00427	sp|P00427	5	5	5	>sp|P0042	1	5	5
sp|P00830	sp|P00830	33	33	33	>sp|P0083	1	33	33
sp|P00854	sp|P00854	2	2	2	>sp|P0085	1	2	2
sp|P00890	sp|P00890	5	5	5	>sp|P0089	1	5	5
sp|P02994	sp|P02994	3	3	3	>sp|P0299	1	3	3
sp|P04037	sp|P04037	6	6	6	>sp|P0403	1	6	6
sp|P04039	sp|P04039	1	1	1	>sp|P0403	1	1	1
sp|P04710	sp|P04710	3	1	1	>sp|P0471	1	3	1
sp|P04840	sp|P04840	22	22	22	>sp|P0484	1	22	22
sp|P05626	sp|P05626	15	15	15	>sp|P0562	1	15	15
sp|P06780	sp|P06780	1	1	1	>sp|P0678	1	1	1
sp|P07143	sp|P07143	9	9	9	>sp|P0714	1	9	9
sp|P07213	sp|P07213	5	5	5	>sp|P0721	1	5	5
sp|P07251	sp|P07251	41	41	41	>sp|P0725	1	41	41
sp|P07255	sp|P07255	3	3	3	>sp|P0725	1	3	3
sp|P07256	sp|P07256	23	23	23	>sp|P0725	1	23	23
sp|P07257	sp|P07257	33	33	33	>sp|P0725	1	33	33
sp|P08067	sp|P08067	10	10	10	>sp|P0806	1	10	10
sp|P08525	sp|P08525	5	5	5	>sp|P0852	1	5	5
sp|P09457	sp|P09457	13	13	13	>sp|P0945	1	13	13
sp|P10174	sp|P10174	1	1	1	>sp|P1017	1	1	1
sp|P13181	sp|P13181	5	5	5	>sp|P1318	1	5	5
sp|P13186	sp|P13186	1	1	1	>sp|P1318	1	1	1
sp|P14020	sp|P14020	4	4	4	>sp|P1402	1	4	4
sp|P16622	sp|P16622	2	2	2	>sp|P1662	1	2	2
sp|P17505	sp|P17505	1	1	1	>sp|P1750	1	1	1
sp|P18239	sp|P18239	21;4	21;4	19;2	>sp|P1823	2	21	21
sp|P19414	sp|P19414	14	14	14	>sp|P1941	1	14	14
sp|P19516	sp|P19516	1	1	1	>sp|P1951	1	1	1
sp|P19882	sp|P19882	28	28	28	>sp|P1988	1	28	28
sp|P21306	sp|P21306	6	6	6	>sp|P2130	1	6	6
sp|P21801	sp|P21801	6	6	6	>sp|P2180	1	6	6
sp|P21954	sp|P21954	2;1;1	2;1;1	2;1;1	>sp|P2195	3	2	2

sp|P22289	sp|P22289	2	2	2	>sp|P2228	1	2	2
sp|P22855	sp|P22855	1	1	1	>sp|P2285	1	1	1
sp|P23641	sp|P23641	16	16	16	>sp|P2364	1	16	16
sp|P23644	sp|P23644	5	5	5	>sp|P2364	1	5	5
sp|P25379	sp|P25379	1	1	1	>sp|P2537	1	1	1
sp|P28241	sp|P28241	4	4	4	>sp|P2824	1	4	4
sp|P28834	sp|P28834	3	3	3	>sp|P2883	1	3	3
sp|P29704	sp|P29704	1	1	1	>sp|P2970	1	1	1
sp|P30624	sp|P30624	2	2	2	>sp|P3062	1	2	2
sp|P30902	sp|P30902	20	20	20	>sp|P3090	1	20	20
sp|P31382	sp|P31382	2	2	2	>sp|P3138	1	2	2
sp|P32191	sp|P32191	18	18	18	>sp|P3219	1	18	18
sp|P32340	sp|P32340	1	1	1	>sp|P3234	1	1	1
sp|P32563	sp|P32563	5	5	5	>sp|P3256	1	5	5
sp|P32795	sp|P32795	1	1	1	>sp|P3279	1	1	1
sp|P32799	sp|P32799	7	7	7	>sp|P3279	1	7	7
sp|P32843	sp|P32843	32	32	32	>sp|P3284	1	32	32
sp|P32897	sp|P32897	1	1	1	>sp|P3289	1	1	1
sp|P33421	sp|P33421	1	1	1	>sp|P3342	1	1	1
sp|P33775	sp|P33775	1	1	1	>sp|P3377	1	1	1
sp|P36060	sp|P36060	3	3	3	>sp|P3606	1	3	3
sp|P36112	sp|P36112	2	2	2	>sp|P3611	1	2	2
sp|P36147	sp|P36147	1	1	1	>sp|P3614	1	1	1
sp|P37298	sp|P37298	2	2	2	>sp|P3729	1	2	2
sp|P37299	sp|P37299	6	6	6	>sp|P3729	1	6	6
sp|P38077	sp|P38077	18	18	18	>sp|P3807	1	18	18
sp|P38248	sp|P38248	2	2	2	>sp|P3824	1	2	2
sp|P38264	sp|P38264	6	6	6	>sp|P3826	1	6	6
sp|P38325	sp|P38325	2	2	2	>sp|P3832	1	2	2
sp|P38885	sp|P38885	2	2	2	>sp|P3888	1	2	2
sp|P38988	sp|P38988	1	1	1	>sp|P3898	1	1	1
sp|P40075	sp|P40075	1	1	1	>sp|P4007	1	1	1
sp|P40086	sp|P40086	6	6	6	>sp|P4008	1	6	6
sp|P40215	sp|P40215	12	12	12	>sp|P4021	1	12	12
sp|P40341	sp|P40341	2;1	2;1	2;1	>sp|P4034	2	2	2
sp|P40961	sp|P40961	8	8	8	>sp|P4096	1	8	8
sp|P41832	sp|P41832	1	1	1	>sp|P4183	1	1	1
sp|P46367	sp|P46367	24;1	24;1	24;1	>sp|P4636	2	24	24
sp|P50085	sp|P50085	12	12	12	>sp|P5008	1	12	12
sp|P50277	sp|P50277	1	1	1	>sp|P5027	1	1	1
sp|P53206	sp|P53206	1	1	1	>sp|P5320	1	1	1
sp|P53721	sp|P53721	8	8	8	>sp|P5372	1	8	8
sp|P54783	sp|P54783	4	4	4	>sp|P5478	1	4	4
sp|P54837	sp|P54837	2	2	2	>sp|P5483	1	2	2
sp|P81449	sp|P81449	6	6	6	>sp|P8144	1	6	6
sp|P81450	sp|P81450	4	4	4	>sp|P8145	1	4	4
sp|Q00711	sp|Q00711	5;2	5;2	5;2	>sp|Q0071	2	5	5
sp|Q02776	sp|Q02776	4	4	4	>sp|Q0277	1	4	4
sp|Q03028	sp|Q03028	3	3	3	>sp|Q0302	1	3	3
sp|Q03713	sp|Q03713	2	2	2	>sp|Q0371	1	2	2

sp|Q0379{	sp|Q0379{	1	1	1	>sp|Q037{	1	1	1
sp|Q0401:	sp|Q0401:	4	4	4	>sp|Q040[	1	4	4
sp|Q0494]	sp|Q0494]	1	1	1	>sp|Q049{	1	1	1
sp|Q0640[	sp|Q0640[	4	4	4	>sp|Q064(	1	4	4
sp|Q0734[	sp|Q0734[	1	1	1	>sp|Q073{	1	1	1
sp|Q1202[	sp|Q1202[	1	1	1	>sp|Q120[	1	1	1
sp|Q1216[	sp|Q1216[	3	3	3	>sp|Q121(	1	3	3
sp|Q1223:	sp|Q1223:	6	6	6	>sp|Q122:	1	6	6
sp|Q1234[	sp|Q1234[	1	1	1	>sp|Q123{	1	1	1
sp|Q1248[	sp|Q1248[	1	1	1	>sp|Q124{	1	1	1
sp|Q1252[	sp|Q1252[	1	1	1	>sp|Q125[	1	1	1
sp|Q2V2P{	sp|Q2V2P{	1	1	1	>sp|Q2V2[	1	1	1
sp|Q2V2P[	sp|Q2V2P[	2	2	2	>sp|Q2V2[	1	2	2
sp|Q8TGU	sp|Q8TGU	1	1	1	>sp|Q8TG[	1	1	1
sp|Q99297	sp|Q99297	2	2	2	>sp|Q992[	1	2	2

Unique pe	Peptides B	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
4	4	4	4	25,1	25,1	25,1	24,409	231
1	6	1	1	11,4	2,8	2,8	51,621	472
18	28	28	18	38,5	38,5	26,9	66,017	644
3	8	5	3	17,1	13,3	8,5	51,267	473
15	19	19	15	32,2	32,2	27,2	59,51	593
16	17	16	16	46,4	45,3	45,3	62,129	623
7	14	12	7	29,8	26,7	18,8	65,865	645
1	1	1	1	0	0	0	111,78	944
1	1	1	1	15,6	15,6	15,6	12,182	109
1	1	1	1	8,2	8,2	8,2	17,257	147
11	11	11	11	85,8	85,8	85,8	14,565	127
2	2	2	2	4,4	4,4	4,4	43,655	385
2	2	2	2	7,7	7,7	7,7	58,797	534
7	7	7	7	37,5	37,5	37,5	28,567	251
5	7	5	5	52,9	42,5	42,5	17,14	153
6	8	8	6	49	49	38,4	17,197	151
5	5	5	5	31,1	31,1	31,1	17,341	148
33	33	33	33	78,1	78,1	78,1	54,793	511
2	2	2	2	9,3	9,3	9,3	29,099	259
5	5	5	5	12,5	12,5	12,5	53,359	479
3	3	3	3	9	9	9	50,032	458
6	6	6	6	58,7	58,7	58,7	17,142	155
1	1	1	1	12,8	12,8	12,8	8,9066	78
1	3	1	1	8,1	3,6	3,6	34,12	309
22	22	22	22	74,6	74,6	74,6	30,428	283
15	15	15	15	48,4	48,4	48,4	26,925	244
1	1	1	1	7,7	7,7	7,7	23,152	209
9	9	9	9	36,9	36,9	36,9	34,054	309
5	5	5	5	12,2	12,2	12,2	70,122	617
41	41	41	41	69	69	69	58,607	545
3	3	3	3	37,3	37,3	37,3	6,9631	59
23	23	23	23	61,5	61,5	61,5	50,227	457
33	33	33	33	77,2	77,2	77,2	40,478	368
10	10	10	10	55,3	55,3	55,3	23,365	215
5	5	5	5	64,9	64,9	64,9	10,974	94
13	13	13	13	60,4	60,4	60,4	22,814	212
1	1	1	1	20	20	20	6,9323	60
5	5	5	5	10,3	10,3	10,3	63,625	574
1	1	1	1	1,6	1,6	1,6	128,34	1147
4	4	4	4	18,4	18,4	18,4	30,362	267
2	2	2	2	9,2	9,2	9,2	44,596	393
1	1	1	1	4,2	4,2	4,2	35,65	334
19	21	21	19	53,1	53,1	48,7	34,426	318
14	14	14	14	22,8	22,8	22,8	85,367	778
1	1	1	1	5	5	5	34,044	300
28	28	28	28	50,9	50,9	50,9	60,751	572
6	6	6	6	91,9	91,9	91,9	6,7425	62
6	6	6	6	25,2	25,2	25,2	30,231	266
2	2	2	2	7	7	7	48,19	428

2	2	2	2	27,3	27,3	27,3	7,4763	66
1	1	1	1	0,9	0,9	0,9	124,5	1083
16	16	16	16	68,5	68,5	68,5	32,812	311
5	5	5	5	20,9	20,9	20,9	42,038	387
1	1	1	1	3,1	3,1	3,1	39,301	360
4	4	4	4	20,9	20,9	20,9	39,739	369
3	3	3	3	11,4	11,4	11,4	39,324	360
1	1	1	1	2,3	2,3	2,3	51,719	444
2	2	2	2	2,7	2,7	2,7	77,865	700
20	20	20	20	75,9	75,9	75,9	19,809	174
2	2	2	2	3,2	3,2	3,2	86,869	759
18	18	18	18	34,5	34,5	34,5	72,388	649
1	1	1	1	2,9	2,9	2,9	57,249	513
5	5	5	5	7,5	7,5	7,5	95,528	840
1	1	1	1	2	2	2	81,771	747
7	7	7	7	43,4	43,4	43,4	15,021	129
32	32	32	32	44,5	44,5	44,5	96,687	850
1	1	1	1	8,6	8,6	8,6	23,243	222
1	1	1	1	5,6	5,6	5,6	22,068	198
1	1	1	1	2,4	2,4	2,4	92,674	817
3	3	3	3	12,3	12,3	12,3	34,137	302
2	2	2	2	5	5	5	61,081	540
1	1	1	1	6,6	6,6	6,6	21,968	197
2	2	2	2	17,1	17,1	17,1	20,248	181
6	6	6	6	55,8	55,8	55,8	8,5928	77
18	18	18	18	55,3	55,3	55,3	34,35	311
2	2	2	2	5,8	5,8	5,8	43,768	429
6	6	6	6	33,5	33,5	33,5	21,137	188
2	2	2	2	32,8	32,8	32,8	14,609	134
2	2	2	2	9,7	9,7	9,7	34,113	310
1	1	1	1	3,3	3,3	3,3	33,215	300
1	1	1	1	5,7	5,7	5,7	26,925	244
6	6	6	6	13	13	13	54,658	486
12	12	12	12	30,5	30,5	30,5	62,773	560
2	2	2	2	3,5	3,5	3,5	93,275	825
8	8	8	8	32,8	32,8	32,8	31,427	287
1	1	1	1	0,7	0,7	0,7	219,67	1953
24	24	24	24	69,7	69,7	69,7	56,723	519
12	12	12	12	40,6	40,6	40,6	34,406	310
1	1	1	1	2,5	2,5	2,5	53,708	480
1	1	1	1	3,8	3,8	3,8	42,8	393
8	8	8	8	27,7	27,7	27,7	25,344	224
4	4	4	4	9,5	9,5	9,5	59,493	526
2	2	2	2	8,5	8,5	8,5	24,106	211
6	6	6	6	57,3	57,3	57,3	10,875	96
4	4	4	4	55,9	55,9	55,9	6,6877	59
5	5	5	5	10,5	10,5	10,5	70,229	640
4	4	4	4	10,9	10,9	10,9	55,098	476
3	3	3	3	7,7	7,7	7,7	34,206	310
2	2	2	2	13,2	13,2	13,2	18,477	159

1	1	1	1	6,3	6,3	6,3	29,076	255
4	4	4	4	17,2	17,2	17,2	34,184	314
1	1	1	1	3,7	3,7	3,7	32,916	295
4	4	4	4	29,7	29,7	29,7	11,312	101
1	1	1	1	2,9	2,9	2,9	48,312	420
1	1	1	1	5,2	5,2	5,2	35,414	327
3	3	3	3	45	45	45	17,02	160
6	6	6	6	63,5	63,5	63,5	12,921	115
1	1	1	1	11,3	11,3	11,3	14,128	124
1	1	1	1	0,9	0,9	0,9	104,3	902
1	1	1	1	4,1	4,1	4,1	26,457	245
1	1	1	1	13,7	13,7	13,7	8,1644	73
2	2	2	2	18,2	18,2	18,2	7,4516	66
1	1	1	1	14,7	14,7	14,7	7,759	68
2	2	2	2	7,5	7,5	7,5	34,007	307

Sequence l	Q-value	Sequence (	Intensity	Intensity B	iBAQ	iBAQ BY_D	LFQ intens	MS/MS Co
231	0	25,1	3,82E+08	3,82E+08	3,47E+07	3,47E+07	3,82E+08	5
472;432;43	0	11,4	6,79E+06	6,79E+06	2,34E+05	2,34E+05	6,79E+06	5
644;99	0	38,5	6,97E+07	6,97E+07	2,25E+06	2,25E+06	6,97E+07	25
473	0	17,1	8,00E+06	8,00E+06	2,76E+05	2,76E+05	8,00E+06	7
593;570;43	0	32,2	4,25E+07	4,25E+07	1,63E+06	1,63E+06	4,25E+07	16
623;423	0	46,4	2,34E+07	2,34E+07	9,00E+05	9,00E+05	2,34E+07	12
645;524;53	0	29,8	3,19E+07	3,19E+07	8,19E+05	8,19E+05	3,19E+07	13
944	0,009259	0	1,26E+08	1,26E+08	NaN	NaN	1,26E+08	1
109	0	15,6	7,81E+05	7,81E+05	1,30E+05	1,30E+05	7,81E+05	1
147	0	8,2	2,45E+06	2,45E+06	4,08E+05	4,08E+05	2,45E+06	1
127	0	85,8	7,05E+07	7,05E+07	8,81E+06	8,81E+06	7,05E+07	15
385;423;51	0	4,4	8,69E+06	8,69E+06	1,74E+06	1,74E+06	8,69E+06	2
534	0	7,7	4,71E+06	4,71E+06	5,89E+05	5,89E+05	4,71E+06	2
251	0	37,5	5,99E+07	5,99E+07	7,48E+06	7,48E+06	5,99E+07	5
153	0	52,9	3,42E+07	3,42E+07	4,28E+06	4,28E+06	3,42E+07	5
151	0	49	3,49E+07	3,49E+07	3,88E+06	3,88E+06	3,49E+07	7
148	0	31,1	8,58E+06	8,58E+06	8,58E+05	8,58E+05	8,58E+06	7
511	0	78,1	3,77E+09	3,77E+09	1,40E+08	1,40E+08	3,77E+09	109
259	0	9,3	1,01E+07	1,01E+07	3,37E+06	3,37E+06	1,01E+07	1
479	0	12,5	3,10E+06	3,10E+06	1,24E+05	1,24E+05	3,10E+06	5
458	0	9	3,83E+06	3,83E+06	1,74E+05	1,74E+05	3,83E+06	3
155	0	58,7	8,08E+06	8,08E+06	1,01E+06	1,01E+06	8,08E+06	6
78	0	12,8	6,88E+06	6,88E+06	1,72E+06	1,72E+06	6,88E+06	1
309	0	8,1	4,66E+07	4,66E+07	2,45E+06	2,45E+06	4,66E+07	5
283	0	74,6	9,62E+08	9,62E+08	6,02E+07	6,02E+07	9,62E+08	30
244	0	48,4	5,15E+08	5,15E+08	3,68E+07	3,68E+07	5,15E+08	27
209	0	7,7	2,70E+05	2,70E+05	2,70E+04	2,70E+04	2,70E+05	1
309	0	36,9	1,17E+08	1,17E+08	1,06E+07	1,06E+07	1,17E+08	9
617	0	12,2	4,45E+06	4,45E+06	1,35E+05	1,35E+05	4,45E+06	6
545	0	69	3,99E+09	3,99E+09	1,33E+08	1,33E+08	3,98E+09	120
59	0	37,3	5,82E+06	5,82E+06	1,94E+06	1,94E+06	5,82E+06	3
457	0	61,5	3,46E+08	3,46E+08	1,50E+07	1,50E+07	3,46E+08	31
368	0	77,2	5,79E+08	5,79E+08	2,76E+07	2,76E+07	5,79E+08	56
215	0	55,3	4,43E+07	4,43E+07	4,43E+06	4,43E+06	4,43E+07	8
94	0	64,9	1,28E+07	1,28E+07	2,14E+06	2,14E+06	1,28E+07	6
212	0	60,4	7,68E+08	7,68E+08	6,40E+07	6,40E+07	7,67E+08	23
60	0	20	8,95E+06	8,95E+06	4,48E+06	4,48E+06	8,95E+06	2
574	0	10,3	4,74E+06	4,74E+06	2,26E+05	2,26E+05	4,74E+06	4
1147	0,009091	1,6	1,31E+06	1,31E+06	2,30E+04	2,30E+04	1,31E+06	1
267	0	18,4	8,72E+05	8,72E+05	5,81E+04	5,81E+04	8,72E+05	2
393	0	9,2	7,97E+05	7,97E+05	4,19E+04	4,19E+04	7,97E+05	2
334	0	4,2	5,38E+05	5,38E+05	3,36E+04	3,36E+04	5,38E+05	1
318;307	0	53,1	2,62E+08	2,62E+08	1,38E+07	1,38E+07	2,62E+08	20
778	0	22,8	1,41E+07	1,41E+07	3,52E+05	3,52E+05	1,41E+07	8
300	0	5	4,95E+05	4,95E+05	2,91E+04	2,91E+04	4,95E+05	1
572	0	50,9	1,18E+08	1,18E+08	3,68E+06	3,68E+06	1,18E+08	27
62	0	91,9	6,78E+07	6,78E+07	1,69E+07	1,69E+07	6,78E+07	9
266	0	25,2	7,23E+06	7,23E+06	4,52E+05	4,52E+05	7,23E+06	5
428;412;42	0	7	8,18E+05	8,18E+05	3,56E+04	3,56E+04	8,18E+05	1

66	0	27,3	3,54E+06	3,54E+06	1,77E+06	1,77E+06	3,54E+06	2
1083	0,009174	0,9	7,20E+05	7,20E+05	1,14E+04	1,14E+04	7,20E+05	0
311	0	68,5	1,41E+08	1,41E+08	8,80E+06	8,80E+06	1,41E+08	19
387	0	20,9	2,34E+06	2,34E+06	1,56E+05	1,56E+05	2,34E+06	4
360	0	3,1	6,16E+05	6,16E+05	3,08E+04	3,08E+04	6,16E+05	1
369	0	20,9	4,88E+06	4,88E+06	4,07E+05	4,07E+05	4,88E+06	4
360	0	11,4	1,47E+06	1,47E+06	7,74E+04	7,74E+04	1,47E+06	4
444	0	2,3	6,03E+05	6,03E+05	2,87E+04	2,87E+04	6,03E+05	1
700	0	2,7	1,37E+06	1,37E+06	3,60E+04	3,60E+04	1,37E+06	2
174	0	75,9	5,85E+08	5,85E+08	5,85E+07	5,85E+07	5,85E+08	26
759	0	3,2	1,90E+06	1,90E+06	5,27E+04	5,27E+04	1,90E+06	2
649	0	34,5	1,34E+07	1,34E+07	3,34E+05	3,34E+05	1,34E+07	15
513	0	2,9	8,03E+05	8,03E+05	3,21E+04	3,21E+04	8,03E+05	1
840	0	7,5	2,06E+06	2,06E+06	6,25E+04	6,25E+04	2,06E+06	4
747	1	2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
129	0	43,4	1,37E+07	1,37E+07	1,53E+06	1,53E+06	1,37E+07	4
850	0	44,5	6,11E+07	6,11E+07	1,22E+06	1,22E+06	6,11E+07	29
222	0	8,6	3,42E+05	3,42E+05	3,80E+04	3,80E+04	3,42E+05	1
198	0	5,6	2,99E+06	2,99E+06	2,49E+05	2,49E+05	2,99E+06	1
817	0	2,4	7,93E+05	7,93E+05	2,56E+04	2,56E+04	7,93E+05	1
302	0	12,3	1,71E+06	1,71E+06	9,53E+04	9,53E+04	1,71E+06	3
540	0	5	1,36E+06	1,36E+06	5,03E+04	5,03E+04	1,36E+06	2
197	0	6,6	2,39E+06	2,39E+06	3,41E+05	3,41E+05	2,39E+06	1
181	0	17,1	1,72E+06	1,72E+06	1,91E+05	1,91E+05	1,72E+06	2
77	0	55,8	4,76E+07	4,76E+07	9,53E+06	9,53E+06	4,76E+07	8
311	0	55,3	7,83E+08	7,83E+08	4,35E+07	4,35E+07	7,83E+08	20
429	0	5,8	3,09E+06	3,09E+06	3,09E+05	3,09E+05	3,09E+06	2
188	0	33,5	1,54E+06	1,54E+06	1,10E+05	1,10E+05	1,54E+06	2
134	0	32,8	3,88E+06	3,88E+06	9,71E+05	9,71E+05	3,88E+06	4
310	0	9,7	3,75E+05	3,75E+05	1,87E+04	1,87E+04	3,75E+05	6
300	0	3,3	4,56E+05	4,56E+05	2,53E+04	2,53E+04	4,56E+05	0
244	0	5,7	4,27E+05	4,27E+05	3,56E+04	3,56E+04	4,27E+05	1
486	0	13	4,38E+06	4,38E+06	1,90E+05	1,90E+05	4,38E+06	6
560	0	30,5	1,94E+07	1,94E+07	6,08E+05	6,08E+05	1,94E+07	14
825;761	0	3,5	1,23E+06	1,23E+06	2,61E+04	2,61E+04	1,23E+06	2
287	0	32,8	1,26E+07	1,26E+07	8,99E+05	8,99E+05	1,26E+07	6
1953	0	0,7	1,04E+06	1,04E+06	1,06E+04	1,06E+04	1,04E+06	0
519;520	0	69,7	4,12E+07	4,12E+07	1,37E+06	1,37E+06	4,12E+07	23
310	0	40,6	2,20E+07	2,20E+07	1,29E+06	1,29E+06	2,20E+07	16
480	0	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
393	0,009009	3,8	5,07E+05	5,07E+05	2,11E+04	2,11E+04	5,07E+05	1
224	0	27,7	1,65E+07	1,65E+07	2,06E+06	2,06E+06	1,65E+07	8
526	0	9,5	2,20E+06	2,20E+06	7,57E+04	7,57E+04	2,20E+06	4
211	0	8,5	5,67E+05	5,67E+05	6,30E+04	6,30E+04	5,67E+05	1
96	0	57,3	6,76E+07	6,76E+07	1,13E+07	1,13E+07	6,76E+07	6
59	0	55,9	5,54E+07	5,54E+07	1,39E+07	1,39E+07	5,54E+07	3
640;634	0	10,5	3,87E+06	3,87E+06	1,21E+05	1,21E+05	3,87E+06	4
476	0	10,9	2,52E+06	2,52E+06	1,05E+05	1,05E+05	2,52E+06	3
310	0	7,7	1,25E+06	1,25E+06	7,36E+04	7,36E+04	1,25E+06	3
159	0	13,2	2,23E+06	2,23E+06	2,79E+05	2,79E+05	2,23E+06	2

255	0	6,3	4,62E+05	4,62E+05	2,72E+04	2,72E+04	4,62E+05	1
314	0	17,2	3,08E+06	3,08E+06	2,20E+05	2,20E+05	3,08E+06	4
295	0	3,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
101	0	29,7	2,83E+08	2,83E+08	4,72E+07	4,72E+07	2,83E+08	9
420	0	2,9	1,11E+05	1,11E+05	4,61E+03	4,61E+03	1,11E+05	1
327	0	5,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
160	0	45	5,21E+06	5,21E+06	7,45E+05	7,45E+05	5,21E+06	4
115	0	63,5	1,33E+08	1,33E+08	1,67E+07	1,67E+07	1,33E+08	11
124	0	11,3	8,33E+06	8,33E+06	1,04E+06	1,04E+06	8,33E+06	2
902	0	0,9	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
245	1	4,1	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
66	0	18,2	1,26E+07	1,26E+07	4,19E+06	4,19E+06	1,26E+07	2
68	0	14,7	4,12E+05	4,12E+05	1,03E+05	1,03E+05	4,12E+05	1
307	0	7,5	1,73E+06	1,73E+06	1,02E+05	1,02E+05	1,73E+06	2

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
5			+	0	266;348;4(	True;True;	269;352;4(	342;455;5
5			+	1	29;54;158;	False;False	29;54;160;	36;66;203;
25			+	2	10;114;17	True;True;	10;115;17	10;142;22
7			+	3	29;54;331;	True;True;	29;54;335;	36;66;435;
16			+	4	8;9;30;147	True;True;	8;9;30;148	8;9;37;182
12			+	5	83;135;20(	True;True;	84;136;20	103;167;2
13			+	6	51;161;17	True;True;	51;163;17	63;207;22
1		+		7	402	True	406	527
1				8	244	True	247	312
1				9	34	True	34	42
15				10	18;49;137;	True;True;	18;49;138;	21;22;60;6
2				11	107;216	True;True	108;218	133;276
2				12	42;577	True;True	42;582	52;739
5				13	22;131;17	True;True;	22;132;17(	26;163;22
5				14	425;478;4	False;True;	430;483;4	554;614;6
7				15	7;57;58;13	True;True;	7;57;58;13	7;69;70;16
7				16	68;124;52(	True;True;	69;125;52	84;154;66
109				17	17;63;77;1	True;True;	17;63;64;7	18;19;20;7
1				18	24;720	True;True	24;729	28;29;923;
5				19	21;61;290;	True;True;	21;61;293;	25;73;375;
3				20	381;620;7	True;True;	385;627;7	502;792;9
6				21	72;130;30	True;True;	73;131;31	89;162;40
1				22	82	True	83	102
5				23	480;732;7	True;False;	485;742;7	616;617;9
30				24	27;28;80;1	True;True;	27;28;81;1	32;33;34;3
27				25	26;40;98;1	True;True;	26;40;99;1	31;49;50;1
1				26	664	True	672	844
9				27	4;109;110;	True;True;	4;110;111;	4;136;137;
6				28	31;337;34	True;True;	31;341;34	38;39;442;
120				29	32;33;45;6	True;True;	32;33;45;6	40;41;55;7
3				30	138;422;6(	True;True;	139;427;6	171;172;5
31				31	1;38;39;66	True;True;	1;38;39;67	1;46;47;48
56				32	56;76;81;9	True;True;	56;77;82;9	68;93;100;
8				33	219;220;3(	True;True;	222;223;3(	281;282;3
6				34	16;207;20	True;True;	16;209;21(	17;264;26
23				35	0;99;230;2	True;True;	0;100;233;	0;123;124;
2				36	254	True	257	324;325
4				37	330;533;7(	True;True;	334;538;7	434;687;9(
1				38	428	True	433	558
2				39	344;475;6	True;True;	348;480;6	450;611;8
2				40	540;570	True;True	545;575	695;731
1				41	170	True	172	219
20				42	35;153;19	True;True;	35;155;19(	43;191;24
8				43	84;115;13	True;True;	85;116;13	104;143;1
1				44	159	True	161	204
27				45	6;20;43;44	True;True;	6;20;43;44	6;24;53;54
9				46	15;296;43	True;True;	15;299;43	15;16;382;
5				47	36;92;128;	True;True;	36;93;129;	44;114;15
1				48	75;596	True;True	76;602	92;765

2		49	247;538	True;True	250;543	315;693	
0		50	187	True	189	239	
19		51	46;53;122;	True;True;	46;53;123;	56;65;152;	
4		52	12;218;37	True;True;	12;221;38	12;280;50	
1		53	729	True	739	939	
4		54	255;327;6	True;True;	258;331;6	326;431;8	
4		55	62;186;61	True;True;	62;188;61	74;238;78	
1		56	113	True	114	141	
2		57	598;658	True;True	604;666	767;837	
26		58	90;91;97;1	True;True;	91;92;98;1	112;113;1	
2		59	406;447	True;True	410;452	531;579	
15		60	55;93;106;	True;True;	55;94;107;	67;115;13	
1		61	579	True	584	741	
4		62	101;169;2	True;True;	102;171;2	127;218;3	
0	+	63	298	True	301	386	
4		64	105;112;1	True;True;	106;113;1	131;140;2	
29		65	5;14;41;50	True;True;	5;14;41;50	5;14;51;62	
1		66	638	True	645	812	
1		67	3	True	3	3	
1		68	481	True	486	618	
3		69	225;456;6	True;True;	228;461;6	288;589;8	
2		70	276;643	True;True	279;650	357;819	
1		71	398	True	402	522	
2		72	229;561	True;True	232;566	294;721	
8		73	70;181;18	True;True;	71;183;18	87;232;23	
20		74	73;74;87;1	True;True;	74;75;88;1	90;91;107;	
2		75	672;696	True;True	680;704	861;890	
2		76	390;419;5	True;True;	394;424;5	512;548;6	
4		77	210;378	True;True	212;382	268;498;4	
6		78	47;713	True;True	47;722	57;58;914	
0		79	431	True	436	561	
1		80	59	True	59	71	
6		81	146;315;4	True;True;	147;318;4	181;412;5	
14		82	19;116;13	True;True;	19;117;13	23;144;16	
2		83	150;192	True;True	152;194	187;246	
6		84	11;23;89;4	True;True;	11;23;90;4	11;27;111;	
0		85	48	True	48	59	
23		86	13;64;120;	True;True;	13;65;121;	13;79;149;	
16		87	2;65;88;11	True;True;	2;66;89;11	2;80;110;1	
1		88	562	True	567	722	
1		89	673	True	681	862	
8		90	85;86;172;	True;True;	86;87;174;	105;106;2	
4		91	71;104;41	True;True;	72;105;41	88;130;54	
1		92	103;362	True;True	104;366	129;472	
6		93	108;123;3	True;True;	109;124;3	134;135;1	
3		94	125;180;5	True;True;	126;182;5	155;231;6	
4		95	25;67;541;	True;True;	25;68;546;	30;83;696;	
3		96	111;283;3	True;True;	112;286;3	139;366;4	
3		97	127;384;6	True;True;	128;388;6	157;505;8	
2		98	411;616	True;True	415;623	539;788	

1		99	571	True	576	732	
4		100	256;405;47	True;True;	259;409;48	327;530;61	
0		101	639	True	646	813	
9		102	248;434;51	True;True;	251;439;51	316;317;56	
1		103	275	True	278	356	
0		104	679	True	687	870	
4		105	118;262;38	True;True;	119;265;38	146;336;50	
11		106	37;129;436	True;True;	37;130;441	45;159;160	
2		107	69	True	70	85;86	
0		108	404	True	408	529	
0	+	109	263	True	266	337	
0		110	343	True	347	449	
2		111	259;260	True;True	262;263	331;332	
1		112	354	True	358	463	
2		113	284;446	True;True	287;451	367;578	

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
417;566;64	417;566;64	0	94
42;75;252;	42;75;252;	1	119
10;163;27	10;163;27	2;3;4;5	259;262;469;493
42;75;541;	42;75;541;	1	121
8;9;43;205	8;9;43;205	1;6;7;8	150;271;306;321
119;190;3(	119;190;3(	9;10;11;12	157;234;269;276;286;326
72;256;27	72;256;27	15	343
648	648		
381	381		
48	48		
27;28;68;6	27;69;193;	16	56
153;333	153;333		
59;900	59;900		
32;186;27	32;186;27	17;18	167;232
683;746;7(	683;746;7(	19;20	41;124
7;79;80;18	7;79;80;18	21	38
96;177;81	96;177;812	;1156;1164	
20;21;22;2	24;88;110;	22;23;24;2	97;234;255;322;426;492
34;35;113	34;1136	28;29	80;82
31;84;455;	31;84;455;	661;1119	
622;961;1	622;961;1174		
102;185;5(	102;185;5(	30	94
118	118		
748;749;1	748;1157;1159		
38;39;40;4	39;41;115;	31	142
37;56;57;1	37;57;142;	221;382;527;762;1022;1076;1079;1082;1094;1098;1166;1167	
1024	1024		
4;156;157;	4;157;158;	32;33;34	128;233;247
44;45;550;	45;550;561;	632;720	
46;47;62;6	46;47;62;8	35;36	99;263
194;195;6	195;680;9	37	1
1;53;54;55	1;53;55;93	38;39	339;446
77;78;106;	78;107;116;	136;138;214;215;261;262;266;280;281;288;294;323;331;452;476;510;512;54	
343;344;4	343;344;4	40;41;42;4	59;63;82;91;134
17;18;19;3	19;320;32	45;46	10;16
0;143;144;	0;143;362;	390;557;564;569;571;704;722;723;857;995	
394;395	395		
540;832;1	540;832;1	47	303
688	688		
560;743;1(	560;743;1(	48;49;50	29;33;158
842;843;8	842;892	51;52	44;46
268	268		
49;216;21	49;217;30	53;54;55;5	29;57;114;255;256;257;304;310
120;164;1	120;164;1	61;62;63;6	299;390;520;596;615
253	253		
6;30;60;61	6;30;60;61	66;67;68;6	90;135;187;214;513
15;16;462;	15;464;693;	894;899;930	
50;134;18	50;134;18	71;72;73	97;226;231
105;931	105;931		

384;839 384;839
293 293
64;74;175; 64;74;175; 74;75;76 35;119;124
12;342;62(12;342;62(77 94
1154 1154
396;537;9 396;537;994;1178
85;86;292; 86;292;953
162 162
933;1014 933;1014
131;132;1 131;132;1 78;79;80 101;153;174
653;710 653;710
76;135;15 76;135;15 81;82;83;8 322;346;359;385;519
903 903
147;267;4 147;267;4 86 356
467 467 87 547
151;160;1 151;160;2 88;89;90 38;50;99
5;14;58;71 5;14;58;71 91;92;93;9 341;398;474;480;660;683;694;741
982 982
3 3
750 750
350;721;9 350;721;981
435;991 435;991
643 643
361;873 361;873
99;100;28 99;284;285;440;507;938
103;104;1 103;104;1 99;100;10 77;187;251;255;280
1055;1091 1055;1091
633;677;8 633;677;8 104;105;1(1;11;14;15;72;121
324;325;6 324;618
65;66;112(66;1123
691 691
81 81
204;513;7 204;513;7 110;111 291;339
29;165;19 29;165;19 112 326
210;300 210;300
11;33;130; 11;33;130; 113;114 29;89
67 67
13;91;172; 13;91;172; 115;116;1 370;441;499
2;92;129;1 2;92;129;1 118 118
874 874
1056 1056
121;122;2 121;122;271;436;811;814;942;1002
101;150;6 101;150;6 119 475
149;584 149;584
154;155;1 154;176;573;581;582;1064
178;283;7 178;283;7 120 27
36;95;844; 36;95;845; 121;122 270;340
159;445;5 159;445;5 123 427
180;625;9 180;625;974
666;957 666;957

	893	893		
397;652;7		397;652;745;972		
	983	983	124	192
385;386;3		387;694;793;863		
	434	434		
	1065	1065	125	246
167;168;1		168;409;6	126	82
51;52;182;		51;184;697;780;919;1160		
97;98		98		
	651	651	127	611
	411	411	128	62
	559	559	129	42
404;405		404;405		
	574	574		
446;709		446;709		

17;583;684;686;818;820;905;921;1099;1101;1102;1124;1153

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	2	2	2	>P00761 S	1	2	2
CON__P02	CON__P02	5;4;3;3;3;1	2;1;1;1;1;1	1;0;1;1;0;0	>P02533 S	6	5	2
CON__P02	CON__P02	1	1	1	>P02668 S	1	1	1
CON__P04	CON__P04	30;2	30;2	18;0	>P04264 S	2	30	30
CON__P13	CON__P13	24;7;3;3;2;	24;7;3;3;2;	20;5;0;0;0;	>P13645 S	14	24	24
CON__P13	CON__P13	7	3	2	>P13647 S	1	7	3
CON__P35	CON__P35	14;1	13;0	13;0	>P35527 S	2	14	13
CON__P35	CON__P35	25;3;2;2	22;1;1;1	16;0;0;0	>P35908 S	4	25	22
CON__Q5[	CON__Q5[	1	1	1	>Q5D862 S	1	1	1
CON__Q8(	CON__Q8(	3	3	3	>Q86YZ3 S	1	3	3
REV__sp|F	REV__sp|F	1	1	1	>sp|P2325	1	1	1
REV__sp|F	REV__sp|F	1	1	1	>sp|P3238	1	1	1
sp|P00127	sp|P00127	1	1	1	>sp|P0012	1	1	1
sp|P00128	sp|P00128	10	10	10	>sp|P0012	1	10	10
sp|P00163	sp|P00163	2;2;2;2	2;2;2;2	2;2;2;2	>sp|P0016	4	2	2
sp|P00830	sp|P00830	31	31	31	>sp|P0083	1	31	31
sp|P00854	sp|P00854	2	2	2	>sp|P0085	1	2	2
sp|P00890	sp|P00890	3	3	3	>sp|P0089	1	3	3
sp|P02992	sp|P02992	1	1	1	>sp|P0299	1	1	1
sp|P02994	sp|P02994	2	2	2	>sp|P0299	1	2	2
sp|P04710	sp|P04710	4	2	2	>sp|P0471	1	4	2
sp|P04840	sp|P04840	22	22	22	>sp|P0484	1	22	22
sp|P05626	sp|P05626	13	13	13	>sp|P0562	1	13	13
sp|P0CH0	sp|P0CH0	1;1;1;1	1;1;1;1	1;1;1;1	>sp|P0CH(	4	1	1
sp|P06168	sp|P06168	1	1	1	>sp|P0616	1	1	1
sp|P06182	sp|P06182	1	1	1	>sp|P0618	1	1	1
sp|P06780	sp|P06780	1	1	1	>sp|P0678	1	1	1
sp|P07143	sp|P07143	8	8	8	>sp|P0714	1	8	8
sp|P07213	sp|P07213	4	4	4	>sp|P0721	1	4	4
sp|P07251	sp|P07251	39	39	39	>sp|P0725	1	39	39
sp|P07256	sp|P07256	23	23	23	>sp|P0725	1	23	23
sp|P07257	sp|P07257	29	29	29	>sp|P0725	1	29	29
sp|P07267	sp|P07267	2	2	2	>sp|P0726	1	2	2
sp|P07560	sp|P07560	1	1	1	>sp|P0756	1	1	1
sp|P08067	sp|P08067	10	10	10	>sp|P0806	1	10	10
sp|P08525	sp|P08525	5	5	5	>sp|P0852	1	5	5
sp|P09457	sp|P09457	13	13	13	>sp|P0945	1	13	13
sp|P10363	sp|P10363	2	2	2	>sp|P1036	1	2	2
sp|P13181	sp|P13181	12	12	12	>sp|P1318	1	12	12
sp|P14020	sp|P14020	4	4	4	>sp|P1402	1	4	4
sp|P14736	sp|P14736	1	1	1	>sp|P1473	1	1	1
sp|P16622	sp|P16622	2	2	2	>sp|P1662	1	2	2
sp|P17505	sp|P17505	2	2	2	>sp|P1750	1	2	2
sp|P18239	sp|P18239	20;4	20;4	18;2	>sp|P1823	2	20	20
sp|P19414	sp|P19414	5	5	5	>sp|P1941	1	5	5
sp|P19882	sp|P19882	19	19	19	>sp|P1988	1	19	19
sp|P21306	sp|P21306	6	6	6	>sp|P2130	1	6	6
sp|P21801	sp|P21801	4	4	4	>sp|P2180	1	4	4
sp|P22289	sp|P22289	1	1	1	>sp|P2228	1	1	1

sp|P23641	sp|P23641	14	14	14	>sp|P2364	1	14	14
sp|P23644	sp|P23644	8	8	8	>sp|P2364	1	8	8
sp|P25045	sp|P25045	1	1	1	>sp|P2504	1	1	1
sp|P25087	sp|P25087	3	3	3	>sp|P2508	1	3	3
sp|P25515	sp|P25515	1	1	1	>sp|P2551	1	1	1
sp|P25574	sp|P25574	1	1	1	>sp|P2557	1	1	1
sp|P28241	sp|P28241	10	10	10	>sp|P2824	1	10	10
sp|P28834	sp|P28834	9	9	9	>sp|P2883	1	9	9
sp|P30902	sp|P30902	16	16	16	>sp|P3090	1	16	16
sp|P31382	sp|P31382	7;2	7;2	7;2	>sp|P3138	2	7	7
sp|P32191	sp|P32191	12	12	12	>sp|P3219	1	12	12
sp|P32331	sp|P32331	1	1	1	>sp|P3233	1	1	1
sp|P32340	sp|P32340	5	5	5	>sp|P3234	1	5	5
sp|P32366	sp|P32366	5	5	5	>sp|P3236	1	5	5
sp|P32368	sp|P32368	3	3	3	>sp|P3236	1	3	3
sp|P32386	sp|P32386	2	2	2	>sp|P3238	1	2	2
sp|P32563	sp|P32563	11	11	11	>sp|P3256	1	11	11
sp|P32803	sp|P32803	1	1	1	>sp|P3280	1	1	1
sp|P32842	sp|P32842	1	1	1	>sp|P3284	1	1	1
sp|P32891	sp|P32891	3	3	3	>sp|P3289	1	3	3
sp|P32897	sp|P32897	4	4	4	>sp|P3289	1	4	4
sp|P32915	sp|P32915	1	1	1	>sp|P3291	1	1	1
sp|P33421	sp|P33421	2	2	2	>sp|P3342	1	2	2
sp|P33767	sp|P33767	5	5	5	>sp|P3376	1	5	5
sp|P33775	sp|P33775	4	4	4	>sp|P3377	1	4	4
sp|P34248	sp|P34248	1	1	1	>sp|P3424	1	1	1
sp|P35723	sp|P35723	2	2	2	>sp|P3572	1	2	2
sp|P36060	sp|P36060	4	4	4	>sp|P3606	1	4	4
sp|P36112	sp|P36112	3	3	3	>sp|P3611	1	3	3
sp|P36147	sp|P36147	1	1	1	>sp|P3614	1	1	1
sp|P37298	sp|P37298	3	3	3	>sp|P3729	1	3	3
sp|P37299	sp|P37299	5	5	5	>sp|P3729	1	5	5
sp|P38077	sp|P38077	17	17	17	>sp|P3807	1	17	17
sp|P38244	sp|P38244	2	2	2	>sp|P3824	1	2	2
sp|P38248	sp|P38248	2	2	2	>sp|P3824	1	2	2
sp|P38264	sp|P38264	6	6	6	>sp|P3826	1	6	6
sp|P38286	sp|P38286	1	1	1	>sp|P3828	1	1	1
sp|P38325	sp|P38325	2	2	2	>sp|P3832	1	2	2
sp|P38353	sp|P38353	1	1	1	>sp|P3835	1	1	1
sp|P38626	sp|P38626	2	2	2	>sp|P3862	1	2	2
sp|P38631	sp|P38631	1	1	1	>sp|P3863	1	1	1
sp|P38821	sp|P38821	1	1	1	>sp|P3882	1	1	1
sp|P38872	sp|P38872	1	1	1	>sp|P3887	1	1	1
sp|P38885	sp|P38885	1	1	1	>sp|P3888	1	1	1
sp|P38988	sp|P38988	2	2	2	>sp|P3898	1	2	2
sp|P39004	sp|P39004	4;4;1;1;1;1	4;4;1;1;1;1	4;4;1;1;1;1	>sp|P3900	9	4	4
sp|P39007	sp|P39007	1	1	1	>sp|P3900	1	1	1
sp|P39012	sp|P39012	1	1	1	>sp|P3901	1	1	1
sp|P39968	sp|P39968	2	2	2	>sp|P3996	1	2	2
sp|P39986	sp|P39986	2	2	2	>sp|P3998	1	2	2

sp|P40046	sp|P40046	2	2	2	>sp|P4004	1	2	2
sp|P40075	sp|P40075	2	2	2	>sp|P4007	1	2	2
sp|P40086	sp|P40086	5	5	5	>sp|P4008	1	5	5
sp|P40215	sp|P40215	16	16	16	>sp|P4021	1	16	16
sp|P40319	sp|P40319	1	1	1	>sp|P4031	1	1	1
sp|P40341	sp|P40341	2;1	2;1	2;1	>sp|P4034	2	2	2
sp|P41832	sp|P41832	1	1	1	>sp|P4183	1	1	1
sp|P46367	sp|P46367	16	16	16	>sp|P4636	1	16	16
sp|P46971	sp|P46971	1	1	1	>sp|P4697	1	1	1
sp|P47069	sp|P47069	1	1	1	>sp|P4706	1	1	1
sp|P47075	sp|P47075	3	3	3	>sp|P4707	1	3	3
sp|P47127	sp|P47127	1	1	1	>sp|P4712	1	1	1
sp|P48439	sp|P48439	1	1	1	>sp|P4843	1	1	1
sp|P49334	sp|P49334	2	2	2	>sp|P4933	1	2	2
sp|P53075	sp|P53075	1	1	1	>sp|P5307	1	1	1
sp|P53173	sp|P53173	1	1	1	>sp|P5317	1	1	1
sp|P53206	sp|P53206	1	1	1	>sp|P5320	1	1	1
sp|P53507	sp|P53507	1	1	1	>sp|P5350	1	1	1
sp|P53721	sp|P53721	2	2	2	>sp|P5372	1	2	2
sp|P54783	sp|P54783	7	7	7	>sp|P5478	1	7	7
sp|P81450	sp|P81450	4	4	4	>sp|P8145	1	4	4
sp|Q00711	sp|Q00711	3;1	3;1	3;1	>sp|Q0071	2	3	3
sp|Q01532	sp|Q01532	3;3	3;3	3;3	>sp|Q0153	2	3	3
sp|Q02776	sp|Q02776	6	6	6	>sp|Q0277	1	6	6
sp|Q02795	sp|Q02795	1	1	1	>sp|Q0279	1	1	1
sp|Q03028	sp|Q03028	1	1	1	>sp|Q0302	1	1	1
sp|Q03798	sp|Q03798	1	1	1	>sp|Q0379	1	1	1
sp|Q04013	sp|Q04013	4	4	4	>sp|Q0401	1	4	4
sp|Q04080	sp|Q04080	1	1	1	>sp|Q0408	1	1	1
sp|Q04172	sp|Q04172	1	1	1	>sp|Q0417	1	1	1
sp|Q04697	sp|Q04697	1	1	1	>sp|Q0469	1	1	1
sp|Q04947	sp|Q04947	7	7	7	>sp|Q0494	1	7	7
sp|Q05359	sp|Q05359	1	1	1	>sp|Q0535	1	1	1
sp|Q06405	sp|Q06405	4	4	4	>sp|Q0640	1	4	4
sp|Q07914	sp|Q07914	1	1	1	>sp|Q0791	1	1	1
sp|Q08179	sp|Q08179	1	1	1	>sp|Q0817	1	1	1
sp|Q12029	sp|Q12029	2	2	2	>sp|Q1202	1	2	2
sp|Q12165	sp|Q12165	3	3	3	>sp|Q1216	1	3	3
sp|Q12230	sp|Q12230	2;1	2;1	2;1	>sp|Q1223	2	2	2
sp|Q12349	sp|Q12349	2	2	2	>sp|Q1234	1	2	2
sp|Q12374	sp|Q12374	1	1	1	>sp|Q1237	1	1	1
sp|Q2V2P4	sp|Q2V2P4	1	1	1	>sp|Q2V2F	1	1	1
sp|Q3E776	sp|Q3E776	2	2	2	>sp|Q3E77	1	2	2
sp|Q3E824	sp|Q3E824	3	3	3	>sp|Q3E82	1	3	3
sp|Q99297	sp|Q99297	2	2	2	>sp|Q9929	1	2	2

Unique pe	Peptides D	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
2	2	2	2	12,1	12,1	12,1	24,409	231
1	5	2	1	9,1	5,3	2,8	51,621	472
1	1	1	1	5,9	5,9	5,9	18,974	169
18	30	30	18	41,6	41,6	30	66,017	644
20	24	24	20	48,2	48,2	43,2	59,51	593
2	7	3	2	10	5,1	3,4	62,378	590
13	14	13	13	38,2	37,1	37,1	62,129	623
16	25	22	16	56,1	51,8	43,7	65,865	645
1	1	1	1	0,5	0,5	0,5	248,07	2391
3	3	3	3	6,5	6,5	6,5	282,39	2850
1	1	1	1	0	0	0	161,47	1407
1	1	1	1	0	0	0	111,78	944
1	1	1	1	8,2	8,2	8,2	17,257	147
10	10	10	10	78,7	78,7	78,7	14,565	127
2	2	2	2	4,4	4,4	4,4	43,655	385
31	31	31	31	74,8	74,8	74,8	54,793	511
2	2	2	2	9,3	9,3	9,3	29,099	259
3	3	3	3	7,9	7,9	7,9	53,359	479
1	1	1	1	3,7	3,7	3,7	47,972	437
2	2	2	2	6,3	6,3	6,3	50,032	458
2	4	2	2	8,1	3,6	3,6	34,12	309
22	22	22	22	85,5	85,5	85,5	30,428	283
13	13	13	13	45,9	45,9	45,9	26,925	244
1	1	1	1	7	7	7	14,554	128
1	1	1	1	2,5	2,5	2,5	44,368	395
1	1	1	1	4,1	4,1	4,1	30,081	269
1	1	1	1	7,7	7,7	7,7	23,152	209
8	8	8	8	36,6	36,6	36,6	34,054	309
4	4	4	4	8,8	8,8	8,8	70,122	617
39	39	39	39	56,9	56,9	56,9	58,607	545
23	23	23	23	61,7	61,7	61,7	50,227	457
29	29	29	29	75,3	75,3	75,3	40,478	368
2	2	2	2	8,4	8,4	8,4	44,498	405
1	1	1	1	5,6	5,6	5,6	23,505	215
10	10	10	10	59,1	59,1	59,1	23,365	215
5	5	5	5	64,9	64,9	64,9	10,974	94
13	13	13	13	60,4	60,4	60,4	22,814	212
2	2	2	2	3,7	3,7	3,7	47,69	409
12	12	12	12	24,6	24,6	24,6	63,625	574
4	4	4	4	18,4	18,4	18,4	30,362	267
1	1	1	1	1,1	1,1	1,1	87,173	754
2	2	2	2	9,2	9,2	9,2	44,596	393
2	2	2	2	9,9	9,9	9,9	35,65	334
18	20	20	18	47,8	47,8	43,4	34,426	318
5	5	5	5	6,8	6,8	6,8	85,367	778
19	19	19	19	40,2	40,2	40,2	60,751	572
6	6	6	6	91,9	91,9	91,9	6,7425	62
4	4	4	4	19,2	19,2	19,2	30,231	266
1	1	1	1	16,7	16,7	16,7	7,4763	66

14	14	14	14	65,9	65,9	65,9	32,812	311
8	8	8	8	28,4	28,4	28,4	42,038	387
1	1	1	1	2,5	2,5	2,5	62,206	558
3	3	3	3	11,2	11,2	11,2	43,43	383
1	1	1	1	11,2	11,2	11,2	16,35	160
1	1	1	1	1,3	1,3	1,3	87,18	760
10	10	10	10	37,7	37,7	37,7	39,739	369
9	9	9	9	28,3	28,3	28,3	39,324	360
16	16	16	16	71,3	71,3	71,3	19,809	174
7	7	7	7	10,8	10,8	10,8	86,869	759
12	12	12	12	23,6	23,6	23,6	72,388	649
1	1	1	1	4,6	4,6	4,6	33,375	307
5	5	5	5	12,3	12,3	12,3	57,249	513
5	5	5	5	17,1	17,1	17,1	39,79	345
3	3	3	3	5,9	5,9	5,9	71,124	623
2	2	2	2	1,5	1,5	1,5	189,16	1661
11	11	11	11	14,8	14,8	14,8	95,528	840
1	1	1	1	5,9	5,9	5,9	23,332	203
1	1	1	1	11	11	11	17,037	164
3	3	3	3	7,2	7,2	7,2	65,292	587
4	4	4	4	27	27	27	23,243	222
1	1	1	1	2,3	2,3	2,3	52,936	480
2	2	2	2	9,6	9,6	9,6	22,068	198
5	5	5	5	17,4	17,4	17,4	49,391	430
4	4	4	4	8,7	8,7	8,7	92,674	817
1	1	1	1	2	2	2	67,524	587
2	2	2	2	9,2	9,2	9,2	23,459	206
4	4	4	4	18,5	18,5	18,5	34,137	302
3	3	3	3	6,7	6,7	6,7	61,081	540
1	1	1	1	6,6	6,6	6,6	21,968	197
3	3	3	3	22,1	22,1	22,1	20,248	181
5	5	5	5	55,8	55,8	55,8	8,5928	77
17	17	17	17	51,1	51,1	51,1	34,35	311
2	2	2	2	1,9	1,9	1,9	111,03	976
2	2	2	2	5,8	5,8	5,8	43,768	429
6	6	6	6	33,5	33,5	33,5	21,137	188
1	1	1	1	3,7	3,7	3,7	38,708	347
2	2	2	2	32,8	32,8	32,8	14,609	134
1	1	1	1	4,3	4,3	4,3	53,311	490
2	2	2	2	7,7	7,7	7,7	31,493	284
1	1	1	1	0,9	0,9	0,9	214,85	1876
1	1	1	1	2	2	2	54,173	490
1	1	1	1	3	3	3	27,884	237
1	1	1	1	4,5	4,5	4,5	34,113	310
2	2	2	2	10,3	10,3	10,3	33,215	300
4	4	4	4	9,5	9,5	9,5	62,734	570
1	1	1	1	1,4	1,4	1,4	81,528	718
1	1	1	1	2,3	2,3	2,3	69,22	614
2	2	2	2	4,5	4,5	4,5	63,207	578
2	2	2	2	1,6	1,6	1,6	135,27	1215

2	2	2	2	13,2	13,2	13,2	14,371	129
2	2	2	2	11,1	11,1	11,1	26,925	244
5	5	5	5	11,3	11,3	11,3	54,658	486
16	16	16	16	33	33	33	62,773	560
1	1	1	1	4,9	4,9	4,9	39,465	345
2	2	2	2	3	3	3	93,275	825
1	1	1	1	0,7	0,7	0,7	219,67	1953
16	16	16	16	48	48	48	56,723	519
1	1	1	1	1,8	1,8	1,8	87,965	762
1	1	1	1	1,2	1,2	1,2	79,174	682
3	3	3	3	5	5	5	83,154	721
1	1	1	1	3	3	3	44,427	394
1	1	1	1	3,4	3,4	3,4	39,483	350
2	2	2	2	24,3	24,3	24,3	16,79	152
1	1	1	1	2,8	2,8	2,8	66,862	577
1	1	1	1	8	8	8	15,93	138
1	1	1	1	3,8	3,8	3,8	42,8	393
1	1	1	1	21,7	21,7	21,7	6,8699	60
2	2	2	2	9,4	9,4	9,4	25,344	224
7	7	7	7	15,2	15,2	15,2	59,493	526
4	4	4	4	55,9	55,9	55,9	6,6877	59
3	3	3	3	5,6	5,6	5,6	70,229	640
3	3	3	3	6,6	6,6	6,6	52,088	454
6	6	6	6	14,3	14,3	14,3	55,098	476
1	1	1	1	4,5	4,5	4,5	31,653	286
1	1	1	1	2,6	2,6	2,6	34,206	310
1	1	1	1	6,3	6,3	6,3	29,076	255
4	4	4	4	15,9	15,9	15,9	34,184	314
1	1	1	1	2,2	2,2	2,2	60,813	534
1	1	1	1	2,6	2,6	2,6	53,57	456
1	1	1	1	2,5	2,5	2,5	45,869	403
7	7	7	7	29,5	29,5	29,5	32,916	295
1	1	1	1	5,5	5,5	5,5	24,723	219
4	4	4	4	29,7	29,7	29,7	11,312	101
1	1	1	1	8,9	8,9	8,9	17,91	168
1	1	1	1	3,1	3,1	3,1	65,004	573
2	2	2	2	8,9	8,9	8,9	35,414	327
3	3	3	3	45	45	45	17,02	160
2	2	2	2	7,9	7,9	7,9	38,071	341
2	2	2	2	40,3	40,3	40,3	14,128	124
1	1	1	1	3,2	3,2	3,2	70,861	616
1	1	1	1	13,7	13,7	13,7	8,1644	73
2	2	2	2	20,8	20,8	20,8	13,741	120
3	3	3	3	35,6	35,6	35,6	9,6176	90
2	2	2	2	6,8	6,8	6,8	34,007	307

Sequence l	Q-value	Sequence (	Intensity	Intensity D	iBAQ	iBAQ DKO_	LFQ intens	MS/MS Co
231	0	12,1	3,18E+08	3,18E+08	2,89E+07	2,89E+07	3,18E+08	4
472;473;4	0	9,1	1,10E+07	1,10E+07	3,78E+05	3,78E+05	1,10E+07	5
169	0,007299	5,9	7,06E+05	7,06E+05	1,01E+05	1,01E+05	7,06E+05	1
644;99	0	41,6	1,17E+08	1,17E+08	3,76E+06	3,76E+06	1,17E+08	28
593;570;4	0	48,2	9,92E+07	9,92E+07	3,82E+06	3,82E+06	9,92E+07	31
590	0	10	2,07E+07	2,07E+07	6,67E+05	6,67E+05	2,07E+07	7
623;423	0	38,2	2,62E+07	2,62E+07	1,01E+06	1,01E+06	2,62E+07	12
645;578;5	0	56,1	1,43E+08	1,43E+08	3,68E+06	3,68E+06	1,43E+08	28
2391	0	0,5	2,21E+05	2,21E+05	2,98E+03	2,98E+03	2,21E+05	1
2850	0	6,5	2,92E+05	2,92E+05	3,44E+03	3,44E+03	2,92E+05	2
1407	1	0	0,00E+00	0,00E+00	NaN	NaN	0,00E+00	0
944	0,007463	0	1,46E+08	1,46E+08	NaN	NaN	1,46E+08	1
147	0	8,2	1,73E+06	1,73E+06	2,89E+05	2,89E+05	1,73E+06	1
127	0	78,7	6,63E+07	6,63E+07	8,29E+06	8,29E+06	6,63E+07	13
385;423;5	0	4,4	9,39E+06	9,39E+06	1,88E+06	1,88E+06	9,39E+06	2
511	0	74,8	2,86E+09	2,86E+09	1,06E+08	1,06E+08	2,86E+09	85
259	0	9,3	1,16E+07	1,16E+07	3,87E+06	3,87E+06	1,16E+07	1
479	0	7,9	1,72E+06	1,72E+06	6,86E+04	6,86E+04	1,72E+06	3
437	0	3,7	6,30E+05	6,30E+05	2,62E+04	2,62E+04	6,30E+05	1
458	0	6,3	1,51E+06	1,51E+06	6,88E+04	6,88E+04	1,51E+06	2
309	0	8,1	4,40E+07	4,40E+07	2,32E+06	2,32E+06	4,40E+07	5
283	0	85,5	6,90E+08	6,90E+08	4,31E+07	4,31E+07	6,90E+08	31
244	0	45,9	5,65E+08	5,65E+08	4,04E+07	4,04E+07	5,65E+08	31
128;128;1	0,007353	7	1,34E+06	1,34E+06	2,24E+05	2,24E+05	1,34E+06	1
395	0	2,5	5,19E+05	5,19E+05	2,73E+04	2,73E+04	5,19E+05	1
269	1	4,1	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
209	0	7,7	3,76E+05	3,76E+05	3,76E+04	3,76E+04	3,76E+05	1
309	0	36,6	5,48E+07	5,48E+07	4,98E+06	4,98E+06	5,48E+07	7
617	0	8,8	5,03E+06	5,03E+06	1,53E+05	1,53E+05	5,03E+06	5
545	0	56,9	3,56E+09	3,56E+09	1,19E+08	1,19E+08	3,55E+09	122
457	0	61,7	2,58E+08	2,58E+08	1,12E+07	1,12E+07	2,58E+08	33
368	0	75,3	3,57E+08	3,57E+08	1,70E+07	1,70E+07	3,57E+08	41
405	0	8,4	1,42E+06	1,42E+06	9,45E+04	9,45E+04	1,42E+06	2
215	0	5,6	5,49E+05	5,49E+05	3,92E+04	3,92E+04	5,49E+05	1
215	0	59,1	3,08E+07	3,08E+07	3,08E+06	3,08E+06	3,08E+07	7
94	0	64,9	9,62E+06	9,62E+06	1,60E+06	1,60E+06	9,62E+06	5
212	0	60,4	7,39E+08	7,39E+08	6,16E+07	6,16E+07	7,39E+08	23
409	0	3,7	6,71E+05	6,71E+05	2,58E+04	2,58E+04	6,71E+05	1
574	0	24,6	2,75E+07	2,75E+07	1,31E+06	1,31E+06	2,75E+07	10
267	0	18,4	1,38E+06	1,38E+06	9,23E+04	9,23E+04	1,38E+06	2
754	0	1,1	7,10E+05	7,10E+05	1,78E+04	1,78E+04	7,10E+05	1
393	0	9,2	7,53E+05	7,53E+05	3,97E+04	3,97E+04	7,53E+05	2
334	0	9,9	1,01E+06	1,01E+06	6,32E+04	6,32E+04	1,01E+06	2
318;307	0	47,8	2,29E+08	2,29E+08	1,20E+07	1,20E+07	2,29E+08	19
778	0	6,8	2,30E+06	2,30E+06	5,76E+04	5,76E+04	2,30E+06	5
572	0	40,2	4,19E+07	4,19E+07	1,31E+06	1,31E+06	4,19E+07	19
62	0	91,9	8,90E+07	8,90E+07	2,23E+07	2,23E+07	8,90E+07	9
266	0	19,2	1,26E+06	1,26E+06	7,85E+04	7,85E+04	1,26E+06	2
66	0	16,7	5,00E+05	5,00E+05	2,50E+05	2,50E+05	5,00E+05	1

311	0	65,9	1,14E+08	1,14E+08	7,14E+06	7,14E+06	1,14E+08	20
387	0	28,4	1,11E+07	1,11E+07	7,41E+05	7,41E+05	1,11E+07	10
558	0	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
383	0	11,2	8,04E+05	8,04E+05	3,65E+04	3,65E+04	8,04E+05	2
160	0	11,2	7,35E+05	7,35E+05	1,47E+05	1,47E+05	7,35E+05	1
760	0,007194	1,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
369	0	37,7	1,11E+07	1,11E+07	9,23E+05	9,23E+05	1,11E+07	11
360	0	28,3	9,69E+06	9,69E+06	5,10E+05	5,10E+05	9,69E+06	9
174	0	71,3	3,90E+08	3,90E+08	3,90E+07	3,90E+07	3,90E+08	22
759;753	0	10,8	7,50E+06	7,50E+06	2,08E+05	2,08E+05	7,50E+06	7
649	0	23,6	3,87E+06	3,87E+06	9,69E+04	9,69E+04	3,87E+06	8
307	0	4,6	4,98E+05	4,98E+05	3,32E+04	3,32E+04	4,98E+05	1
513	0	12,3	2,75E+06	2,75E+06	1,10E+05	1,10E+05	2,75E+06	4
345	0	17,1	3,55E+06	3,55E+06	2,22E+05	2,22E+05	3,55E+06	4
623	0	5,9	1,51E+06	1,51E+06	4,20E+04	4,20E+04	1,51E+06	3
1661	0	1,5	2,23E+05	2,23E+05	2,75E+03	2,75E+03	2,23E+05	2
840	0	14,8	8,62E+06	8,62E+06	2,61E+05	2,61E+05	8,62E+06	8
203	0	5,9	1,00E+06	1,00E+06	8,35E+04	8,35E+04	1,00E+06	1
164	0	11	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
587	0	7,2	1,88E+06	1,88E+06	7,51E+04	7,51E+04	1,88E+06	3
222	0	27	3,10E+06	3,10E+06	3,44E+05	3,44E+05	3,10E+06	3
480	0	2,3	4,57E+05	4,57E+05	2,69E+04	2,69E+04	4,57E+05	1
198	0	9,6	4,31E+05	4,31E+05	3,59E+04	3,59E+04	4,31E+05	2
430	0	17,4	3,70E+06	3,70E+06	1,85E+05	1,85E+05	3,70E+06	6
817	0	8,7	3,23E+06	3,23E+06	1,04E+05	1,04E+05	3,23E+06	3
587	0	2	6,32E+05	6,32E+05	3,51E+04	3,51E+04	6,32E+05	1
206	0	9,2	1,05E+06	1,05E+06	1,16E+05	1,16E+05	1,05E+06	2
302	0	18,5	1,80E+06	1,80E+06	1,00E+05	1,00E+05	1,80E+06	4
540	0	6,7	1,62E+06	1,62E+06	5,98E+04	5,98E+04	1,62E+06	3
197	0	6,6	2,85E+06	2,85E+06	4,07E+05	4,07E+05	2,85E+06	1
181	0	22,1	1,91E+06	1,91E+06	2,12E+05	2,12E+05	1,91E+06	3
77	0	55,8	2,54E+07	2,54E+07	5,08E+06	5,08E+06	2,54E+07	6
311	0	51,1	6,84E+08	6,84E+08	3,80E+07	3,80E+07	6,84E+08	21
976	0	1,9	8,32E+05	8,32E+05	2,03E+04	2,03E+04	8,32E+05	2
429	0	5,8	1,77E+06	1,77E+06	1,77E+05	1,77E+05	1,77E+06	2
188	0	33,5	2,63E+06	2,63E+06	1,88E+05	1,88E+05	2,63E+06	2
347	0	3,7	3,32E+05	3,32E+05	2,08E+04	2,08E+04	3,32E+05	1
134	0	32,8	2,79E+06	2,79E+06	6,97E+05	6,97E+05	2,79E+06	4
490	0,007246	4,3	2,65E+05	2,65E+05	1,56E+04	1,56E+04	2,65E+05	1
284	0	7,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
1876	0	0,9	5,21E+05	5,21E+05	7,13E+03	7,13E+03	5,21E+05	1
490	0	2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
237	0	3	1,13E+08	1,13E+08	9,38E+06	9,38E+06	1,13E+08	1
310	0	4,5	5,46E+05	5,46E+05	2,73E+04	2,73E+04	5,46E+05	1
300	0	10,3	6,32E+05	6,32E+05	3,51E+04	3,51E+04	6,32E+05	2
570;570;5(	0	9,5	1,90E+06	1,90E+06	9,51E+04	9,51E+04	1,90E+06	3
718	0	1,4	3,35E+05	3,35E+05	1,02E+04	1,02E+04	3,35E+05	1
614	0,007407	2,3	3,97E+05	3,97E+05	1,80E+04	1,80E+04	3,97E+05	1
578	0	4,5	5,10E+05	5,10E+05	2,22E+04	2,22E+04	5,10E+05	1
1215	0	1,6	6,87E+05	6,87E+05	1,13E+04	1,13E+04	6,87E+05	2

129	0	13,2	4,19E+05	4,19E+05	5,98E+04	5,98E+04	4,19E+05	2
244	0	11,1	4,97E+05	4,97E+05	4,14E+04	4,14E+04	4,97E+05	3
486	0	11,3	2,05E+06	2,05E+06	8,90E+04	8,90E+04	2,05E+06	4
560	0	33	3,51E+07	3,51E+07	1,10E+06	1,10E+06	3,51E+07	18
345	0	4,9	6,19E+05	6,19E+05	5,16E+04	5,16E+04	6,19E+05	1
825;761	0	3	8,40E+05	8,40E+05	1,79E+04	1,79E+04	8,40E+05	2
1953	0	0,7	4,04E+05	4,04E+05	4,12E+03	4,12E+03	4,04E+05	0
519	0	48	1,76E+07	1,76E+07	5,87E+05	5,87E+05	1,76E+07	14
762	0	1,8	8,13E+05	8,13E+05	3,13E+04	3,13E+04	8,13E+05	1
682	0	1,2	5,04E+06	5,04E+06	1,48E+05	1,48E+05	5,04E+06	1
721	0	5	9,23E+05	9,23E+05	2,56E+04	2,56E+04	9,23E+05	1
394	0	3	3,47E+05	3,47E+05	1,39E+04	1,39E+04	3,47E+05	1
350	0	3,4	4,23E+05	4,23E+05	3,52E+04	3,52E+04	4,23E+05	1
152	0	24,3	1,36E+06	1,36E+06	1,94E+05	1,94E+05	1,36E+06	2
577	0	2,8	7,39E+05	7,39E+05	2,84E+04	2,84E+04	7,39E+05	1
138	0	8	2,88E+05	2,88E+05	9,60E+04	9,60E+04	2,88E+05	1
393	0	3,8	3,53E+05	3,53E+05	1,47E+04	1,47E+04	3,53E+05	1
60	0	21,7	3,70E+05	3,70E+05	1,23E+05	1,23E+05	3,70E+05	1
224	0	9,4	9,23E+05	9,23E+05	1,15E+05	1,15E+05	9,23E+05	2
526	0	15,2	5,18E+06	5,18E+06	1,79E+05	1,79E+05	5,18E+06	6
59	0	55,9	6,00E+07	6,00E+07	1,50E+07	1,50E+07	6,00E+07	3
640;634	0	5,6	2,79E+06	2,79E+06	8,72E+04	8,72E+04	2,79E+06	3
454;483	0	6,6	1,85E+06	1,85E+06	7,70E+04	7,70E+04	1,85E+06	3
476	0	14,3	3,29E+06	3,29E+06	1,37E+05	1,37E+05	3,29E+06	4
286	0	4,5	3,14E+05	3,14E+05	3,92E+04	3,92E+04	3,14E+05	1
310	1	2,6	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
255	0	6,3	2,89E+05	2,89E+05	1,70E+04	1,70E+04	2,89E+05	1
314	0	15,9	3,54E+06	3,54E+06	2,53E+05	2,53E+05	3,54E+06	3
534	0	2,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
456	0	2,6	5,30E+05	5,30E+05	1,96E+04	1,96E+04	5,30E+05	1
403	1	2,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
295	0	29,5	7,79E+06	7,79E+06	4,10E+05	4,10E+05	7,79E+06	6
219	0	5,5	9,53E+05	9,53E+05	9,53E+04	9,53E+04	9,53E+05	1
101	0	29,7	2,56E+08	2,56E+08	4,26E+07	4,26E+07	2,56E+08	7
168	0	8,9	2,92E+05	2,92E+05	7,31E+04	7,31E+04	2,92E+05	1
573	0	3,1	8,04E+05	8,04E+05	2,44E+04	2,44E+04	8,04E+05	1
327	0	8,9	2,22E+05	2,22E+05	1,58E+04	1,58E+04	2,22E+05	1
160	0	45	5,11E+06	5,11E+06	7,31E+05	7,31E+05	5,11E+06	7
341;339	0	7,9	1,78E+05	1,78E+05	1,19E+04	1,19E+04	1,78E+05	2
124	0	40,3	1,16E+07	1,16E+07	1,45E+06	1,45E+06	1,16E+07	4
616	0	3,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
120	0	20,8	6,75E+05	6,75E+05	1,12E+05	1,12E+05	6,75E+05	1
90	0	35,6	1,73E+06	1,73E+06	4,33E+05	4,33E+05	1,73E+06	2
307	0	6,8	8,43E+05	8,43E+05	4,96E+04	4,96E+04	8,43E+05	1

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
4			+	0	343;636	True;True	346;643	434;797
5			+	1	29;143;32	True;True;	29;144;32	36;180;40
1			+	2	713	True	721	909
28			+	3	9;10;91;10	True;True;	9;10;91;10	10;11;112;
31			+	4	7;30;129;2	True;True;	7;30;129;2	7;8;37;153
7			+	5	47;150;27	True;False;	47;151;28	58;188;351
12			+	6	73;176;19	True;True;	73;177;19	89;217;238
28			+	7	48;92;150;	True;True;	48;92;151;	59;113;188
1			+	8	175	True	176	216
2			+	9	238;486;48	True;True;	240;489;49	297;611;61
0	+	+		10	501	True	504	633
1		+		11	394	True	397	501
1				12	36	True	36	44
13				13	20;45;119;	True;True;	20;45;119;	24;25;55;5
2				14	95;212	True;True	95;213	116;263
85				15	18;56;65;1	True;True;	18;56;65;1	20;21;22;6
1				16	24;692	True;True	24;699	29;879;88(
3				17	285;401;68	True;True;	287;404;69	358;510;87
1				18	294	True	296	370
2				19	374;604	True;True	377;609	476;759
5				20	469;470;70	True;True;	472;473;71	589;590;59
31				21	27;28;69;1	True;True;	27;28;69;1	32;33;34;3
31				22	26;40;85;1	True;True;	26;40;85;1	31;49;50;1
1				23	607	True	612	762
1				24	145	True	146	182
0	+			25	169	True	170	210
1				26	642	True	649	804
7				27	5;96;97;18	True;True;	5;96;97;18	5;117;118;
5				28	31;327;33	True;True;	31;330;33	38;39;416;
122				29	32;33;41;5	True;True;	32;33;41;5	40;41;51;6
33				30	1;38;39;58	True;True;	1;38;39;58	1;46;47;48
41				31	51;64;71;8	True;True;	51;64;71;8	62;78;86;8
2				32	152;467	True;True	153;470	190;587
1				33	687	True	694	872
7				34	217;296;57	True;True;	219;298;57	270;373;71
5				35	17;200;201	True;True;	17;201;202	19;247;248
23				36	0;86;226;2	True;True;	0;86;228;2	0;106;107;
1				37	313;468	True;True	316;471	399;588
10				38	15;70;216;	True;True;	15;70;218;	16;85;269;
2				39	334;466;63	True;True;	337;469;63	424;586;79
1				40	302	True	304	382
2				41	529;557	True;True	533;561	667;701
2				42	162;682	True;True	163;689	203;865
19				43	137;186;19	True;True;	138;187;19	164;229;23
5				44	117;165;23	True;True;	117;166;23	140;206;28
19				45	6;189;219;	True;True;	6;190;221;	6;232;272;
9				46	16;289;424	True;True;	16;291;427	17;18;362;
2				47	37;80;115;	True;True;	37;80;115;	45;98;138;
1				48	247	True	249	307

20	49	42;49;111;	True;True;	42;49;111;	52;60;134;	
10	50	13;94;215;	True;True;	13;94;217;	14;115;26	
0	51	365	True	368	465	
2	52	146;182;6	True;True;	147;183;6	183;225;8	
1	53	528	True	532	666	
1	54	153	True	154	191	
11	55	133;147;2	True;True;	134;148;2	160;184;3	
9	56	55;74;99;1	True;True;	55;74;99;1	66;90;120;	
22	57	78;79;84;1	True;True;	78;79;84;1	96;97;103;	
7	58	62;72;160;	True;True;	62;72;161;	76;88;200;	
8	59	50;81;93;1	True;True;	50;81;93;1	61;99;114;	
1	60	381	True	384	484	
4	61	207;303;4	True;True;	208;305;4	257;383;5	
4	62	3;76;406;4	True;True;	3;76;409;4	3;92;517;5	
3	63	253;592;7	True;True;	255;596;7	315;745;9	
2	64	14;601	True;True	14;606	15;756	
8	65	23;66;87;1	True;True;	23;66;87;1	28;80;108;	
1	66	144	True	145	181	
0	67	526	True	530	664	
3	68	34;353;61	True;True;	34;356;61	42;446;76	
3	69	203;350;3	True;True;	204;353;3	251;443;4	
1	70	11	True	11	12	
2	71	2;242	True;True	2;244	2;301	
6	72	100;335;3	True;True;	100;338;3	121;425;4	
3	73	234;282;3	True;True;	236;284;3	292;354;4	
1	74	679	True	686	862	
2	75	474;724	True;True	477;732	596;922	
4	76	221;376;4	True;True;	223;379;4	274;478;5	
3	77	270;356;6	True;True;	272;359;6	339;449;8	
1	78	390	True	393	496	
3	79	225;332;5	True;True;	227;335;5	280;422;6	
6	80	61;174;27	True;True;	61;175;27	75;215;34	
21	81	63;77;123;	True;True;	63;77;123;	77;93;94;9	
2	82	287;513	True;True	289;516	360;648	
2	83	651;667	True;True	658;674	825;846	
2	84	382;411;5	True;True;	385;414;5	485;522;6	
1	85	699	True	706	891	
4	86	204;370	True;True	205;373	252;470;4	
1	87	649	True	656	823	
0	88	22;599	True;True	22;604	27;754	
1	89	707	True	715	902	
1	90	89	True	89	110	
1	91	298	True	300	377	
1	92	43	True	43	53	
2	93	284;507	True;True	286;510	357;641	
3	94	59;211;45	True;True;	59;212;46	72;262;57	
1	95	68	True	68	83	
1	96	19	True	19	23	
1	97	35;399	True;True	35;402	43;508	
2	98	168;320	True;True	169;323	209;407	

2		99	248;645	True;True	250;652	308;807	
3		100	53;141	True;True	53;142	64;168	
4		101	128;439;46	True;True;	128;442;46	152;553;58	
18		102	21;103;104	True;True;	21;103;104	26;124;125	
1		103	136	True	137	163	
2		104	184;600	True;True	185;605	227;755	
0		105	44	True	44	54	
14		106	57;109;131	True;True;	57;109;132	69;132;157	
1		107	246	True	248	306	
1		108	393	True	396	500	
1		109	173;656;69	True;True;	174;663;70	214;831;88	
1		110	554	True	558	697	
1		111	12	True	12	13	
2		112	585;643	True;True	589;650	737;805	
1		113	312	True	315	398	
1		114	670	True	677	851	
1		115	652	True	659	826	
1		116	523	True	526	660	
2		117	75;631	True;True	75;637	91;790	
6		118	4;90;134;4	True;True;	4;90;135;4	4;111;161;	
3		119	113;172;49	True;True;	113;173;49	136;213;62	
3		120	25;532;589	True;True;	25;536;593	30;670;671	
3		121	112;384;64	True;True;	112;387;65	135;487;82	
4		122	98;274;354	True;True;	98;276;357	119;344;44	
1		123	52	True	52	63	
0	+	124	412	True	415	523	
1		125	558	True	562	702	
3		126	255;422;48	True;True;	257;425;48	317;318;53	
0		127	396	True	399	503	
1		128	372	True	375	474	
0	+	129	245	True	247	305	
6		130	108;314;34	True;True;	108;317;34	131;400;43	
1		131	46	True	46	57	
7		132	249;426;49	True;True;	251;429;50	309;310;53	
1		133	106	True	106	128	
1		134	573	True	577	723	
1		135	477;655	True;True	480;662	600;830	
7		136	105;259;37	True;True;	105;261;38	126;127;32	
2		137	8;425	True;True	8;428	9;537	
4		138	60;321	True;True	60;324	73;74;408	
0		139	546	True	550	686	
0		140	333	True	336	423	
1		141	195;209	True;True	196;210	239;260	
2		142	524;530;53	True;True;	527;528;53	661;662;66	
1		143	148;275	True;True	149;277	185;345	

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
540;963;9(	540;964		
43;228;51(	43;228;51(	0	119
1112	1112		
14;15;130;	14;15;130;	1;2;3;4;5	259;262;296;469;493
7;8;9;10;1:	8;44;176;3	0;6;7;8	150;271;306;321
68;237;43:	68;237;437	;667;670;1	102;1104
103;269;2(	103;269;2(	9;10;11	157;234;269
69;131;23:	69;131;23:	12;13;14	300;343;497
268	268		
372;744;7	372;744;745		
767	767	15	791
615	615		
51	51		
31;32;65;6	32;65;165;	16	56
134;321	134;321		
25;26;27;2	28;78;92;1	17;18;19;2	97;234;255;322;426;492
36;1079;1(	36;1084	23;24	80;82
444;625;1(	444;625;1068		
457	457		
589;919	589;919		
717;718;7:	717;719;1107;1108		
39;40;41;4	39;42;98;1	25;26	142;167
38;56;57;5	38;56;122;193;491;730;972;1027;1029;1043;1048;1115;1117		
922	922		
230	230		
262	262	27	160
973	973		
5;135;136;	5;135;136;	28;29;30	128;233;247
45;46;518;	46;518;530;686		
47;48;59;6	47;48;59;7	31;32	99;263
1;53;54;55	1;53;55;81	33;34;35;3	339;446;452;454;455
72;90;100;	72;90;101;118;120;182;185;244;245;250;263;264;270;276;306;319;439;458;517;559;652		
239;715	239;715		
1069	1069		
335;460;8(	335;460;8(	38;39;40;4	59;63;82;91;134
23;24;304;	24;304;305	43;44	10;16
0;124;125;	0;125;355;387;525;533;543;545;669;688;690;821;946		
496;716	496;716		
20;99;334;	20;99;334;	45;46	196;303
528;714;9:	528;714;9:	47;48;49	29;33;158
476	476		
806;807;8	806;848	50;51	44;46
252;1062	252;1062		
187;188;1(	188;283;28	52;53;54;5	29;57;255;256;257;304;310
162;255;3(	162;255;362;582;694		
6;286;338;	6;286;338;	59;60;61;6	135;187;214;513
21;22;448;	21;449;659;850;858;890		
52;116;16(	52;116;16(	63;64;65	97;226;231
382	382		

62;70;156; 62;70;156; 66;67;68 35;119;124
18;133;33 18;133;33 69 94
577 577 70 403
231;279;1 231;279;1070
805 805
240 240
183;232;2 183;232;433;488;502;823;892;896;945;1127
77;104;13 77;104;138;161;275;539;662;748;913
114;115;1 114;115;1 71;72 153;174
87;102;24 87;102;249;284;368;618;675
71;117;13 71;117;13 73;74;75;7 346;359;385;519;622
597 597
315;477;6 315;477;6 78 410
3;106;636; 3;106;636; 79 175
390;901;1 390;901;1131
19;916 19;916
35;93;126; 35;93;126; 80;81;82 14;124;356
229 229
803 803 83 57
49;552;92 49;552;929
308;549;5 308;549;596;938
16 16
2;376 2;376
139;529;5 139;529;538;626;870
366;440;5 366;440;550;720
1057 1057
727;1125 727;1125
340;591;6 340;591;6 84 82
422;555;1 422;555;1053
610 610
354;526;8 354;526;837
86;267;42 86;267;424;471;898
88;89;107; 88;111;17 85;86;87;8 77;251;255;280
446;785 446;785
1008;1037 1008;1037
598;642;6 598;643;7 89;90;91;9 1;11;14;15;72;121
1093 1093
309;310;5 310;583
1006 1006
34;914 34;914 95;96 57;170
1105 1105
128 128
470 470
63 63
443;777 443;777
83;320;70 83;320;70 97 527
97 97
30 30
50;623 50;623 98 260
261;507 261;507

383;976	383;976		
74;75;195	75;195		
175;676;7	175;676;7	99	339
33;142;14	33;142;14	100;101	305;326
186	186		
281;915	281;915		
64	64		
80;154;18	80;154;18	102;103;1	370;441;499
381	381		
614	614		
266;1014;	266;1014;	105	271
843	843		
17	17		
891;974	891;974		
495	495		
1042	1042		
1009	1009		
799	799		
105;953	105;953		
4;129;184;	4;129;184;	106	475
158;265;7	158;265;7	107	27
37;810;81	37;811;89	108	340
157;600;1	157;600;1004		
137;429;5	137;429;5	109;110;1	408;410;427
73	73		
645	645	112	39
849	849		
392;393;6	392;657;7	113	183
617	617	114	404
587	587		
380	380	115	157
153;497;5	153;497;5	116	192
67	67		
384;385;6	385;661;761;826		
150	150		
875	875		
732;1013	732;1013	117	246
144;145;1	144;403;5	118	82
13;660	13;660		
84;85;508;	85;509		
827;828	828	119	288
527	527	120	42
293;318	293;318		
800;801;8	800;808;8	121	62
234;430	234;430		

2;654;781;860;881;1049;1051;1052;1101

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	3	3	3	>P00761 S	1	3	3
CON__P02	CON__P02	6;3;3;3;3;3	3;1;1;2;1;0	2;1;1;1;0;0	>P02533 S	25	6	3
CON__P02	CON__P02	2	2	2	>P02668 S	1	2	2
CON__P04	CON__P04	20;4;4;3;2;	20;4;4;3;2;	12;1;1;0;0;	>P04264 S	9	20	20
CON__P08	CON__P08	6	2	2	>P08779 S	1	6	2
CON__P13	CON__P13	21;9;4;3;3;	21;9;4;3;3;	16;5;0;1;1;	>P13645 S	8	21	21
CON__P13	CON__P13	4	1	1	>P13647 S	1	4	1
CON__P35	CON__P35	13	13	13	>P35527 S	1	13	13
CON__P35	CON__P35	17;2;2;1	15;2;2;1	10;0;0;0	>P35908 S	4	17	15
REV__sp|F	REV__sp|F	1	1	1	>sp|P4694	1	1	1
sp|P00044	sp|P00044	1	1	1	>sp|P0004	1	1	1
sp|P00127	sp|P00127	1	1	1	>sp|P0012	1	1	1
sp|P00128	sp|P00128	11	11	11	>sp|P0012	1	11	11
sp|P00163	sp|P00163	1;1;1;1	1;1;1;1	1;1;1;1	>sp|P0016	4	1	1
sp|P00401	sp|P00401	2;1;1;1;1	2;1;1;1;1	1;0;0;0;0	>sp|P0040	5	2	2
sp|P00410	sp|P00410	7	7	7	>sp|P0041	1	7	7
sp|P00424	sp|P00424	6	6	5	>sp|P0042	1	6	6
sp|P00425	sp|P00425	3	2	2	>sp|P0042	1	3	2
sp|P00427	sp|P00427	4	4	4	>sp|P0042	1	4	4
sp|P00830	sp|P00830	30	30	30	>sp|P0083	1	30	30
sp|P00854	sp|P00854	2	2	2	>sp|P0085	1	2	2
sp|P00890	sp|P00890	2	2	2	>sp|P0089	1	2	2
sp|P01123	sp|P01123	1	1	1	>sp|P0112	1	1	1
sp|P02994	sp|P02994	4	4	4	>sp|P0299	1	4	4
sp|P04037	sp|P04037	4	4	4	>sp|P0403	1	4	4
sp|P04039	sp|P04039	1	1	1	>sp|P0403	1	1	1
sp|P04710	sp|P04710	4	2	2	>sp|P0471	1	4	2
sp|P04840	sp|P04840	22	22	22	>sp|P0484	1	22	22
sp|P05030	sp|P05030	5;5	5;5	5;5	>sp|P0503	2	5	5
sp|P05374	sp|P05374	1	1	1	>sp|P0537	1	1	1
sp|P05626	sp|P05626	14	14	14	>sp|P0562	1	14	14
sp|P07143	sp|P07143	9	9	9	>sp|P0714	1	9	9
sp|P07213	sp|P07213	7	7	7	>sp|P0721	1	7	7
sp|P07251	sp|P07251	32	32	32	>sp|P0725	1	32	32
sp|P07255	sp|P07255	2	2	2	>sp|P0725	1	2	2
sp|P07256	sp|P07256	23	23	23	>sp|P0725	1	23	23
sp|P07257	sp|P07257	29	29	29	>sp|P0725	1	29	29
sp|P07267	sp|P07267	1	1	1	>sp|P0726	1	1	1
sp|P07271	sp|P07271	2;2	2;2	2;2	>sp|P0727	2	2	2
sp|P07560	sp|P07560	1	1	1	>sp|P0756	1	1	1
sp|P08067	sp|P08067	10	10	10	>sp|P0806	1	10	10
sp|P08525	sp|P08525	4	4	4	>sp|P0852	1	4	4
sp|P09457	sp|P09457	13	13	13	>sp|P0945	1	13	13
sp|P11491	sp|P11491	2	2	2	>sp|P1149	1	2	2
sp|P13181	sp|P13181	12	12	12	>sp|P1318	1	12	12
sp|P14020	sp|P14020	4	4	4	>sp|P1402	1	4	4
sp|P14906	sp|P14906	5	5	5	>sp|P1490	1	5	5
sp|P16603	sp|P16603	1	1	1	>sp|P1660	1	1	1
sp|P16622	sp|P16622	2	2	2	>sp|P1662	1	2	2

sp|P18239	sp|P18239	21;4	21;4	19;2	>sp|P1823	2	21	21
sp|P19073	sp|P19073	1	1	1	>sp|P1907	1	1	1
sp|P19414	sp|P19414	5	5	5	>sp|P1941	1	5	5
sp|P19516	sp|P19516	1	1	1	>sp|P1951	1	1	1
sp|P19882	sp|P19882	24	24	24	>sp|P1988	1	24	24
sp|P21306	sp|P21306	5	5	5	>sp|P2130	1	5	5
sp|P21576	sp|P21576	2	2	2	>sp|P2157	1	2	2
sp|P21801	sp|P21801	7	7	7	>sp|P2180	1	7	7
sp|P22146	sp|P22146	2	2	2	>sp|P2214	1	2	2
sp|P22855	sp|P22855	5	5	5	>sp|P2285	1	5	5
sp|P23641	sp|P23641	12	12	12	>sp|P2364	1	12	12
sp|P23644	sp|P23644	5	5	5	>sp|P2364	1	5	5
sp|P25045	sp|P25045	3	3	3	>sp|P2504	1	3	3
sp|P25379	sp|P25379	2	2	2	>sp|P2537	1	2	2
sp|P28241	sp|P28241	4	4	4	>sp|P2824	1	4	4
sp|P28834	sp|P28834	4	4	4	>sp|P2883	1	4	4
sp|P29704	sp|P29704	3	3	3	>sp|P2970	1	3	3
sp|P30624	sp|P30624	2	2	2	>sp|P3062	1	2	2
sp|P30902	sp|P30902	17	17	17	>sp|P3090	1	17	17
sp|P31382	sp|P31382	3	3	3	>sp|P3138	1	3	3
sp|P32191	sp|P32191	12	12	12	>sp|P3219	1	12	12
sp|P32340	sp|P32340	2	2	2	>sp|P3234	1	2	2
sp|P32366	sp|P32366	5	5	5	>sp|P3236	1	5	5
sp|P32368	sp|P32368	7	7	7	>sp|P3236	1	7	7
sp|P32386	sp|P32386	2	2	2	>sp|P3238	1	2	2
sp|P32563	sp|P32563	11	11	11	>sp|P3256	1	11	11
sp|P32795	sp|P32795	2	2	2	>sp|P3279	1	2	2
sp|P32799	sp|P32799	5	5	5	>sp|P3279	1	5	5
sp|P32843	sp|P32843	30	30	30	>sp|P3284	1	30	30
sp|P32891	sp|P32891	3	3	3	>sp|P3289	1	3	3
sp|P32915	sp|P32915	2	2	2	>sp|P3291	1	2	2
sp|P33311	sp|P33311	4	4	3	>sp|P3331	1	4	4
sp|P33421	sp|P33421	1	1	1	>sp|P3342	1	1	1
sp|P33767	sp|P33767	2	2	2	>sp|P3376	1	2	2
sp|P33775	sp|P33775	2	2	2	>sp|P3377	1	2	2
sp|P34224	sp|P34224	1	1	1	>sp|P3422	1	1	1
sp|P35723	sp|P35723	3	3	3	>sp|P3572	1	3	3
sp|P36060	sp|P36060	4	4	4	>sp|P3606	1	4	4
sp|P36112	sp|P36112	4	4	4	>sp|P3611	1	4	4
sp|P36147	sp|P36147	2	2	2	>sp|P3614	1	2	2
sp|P37298	sp|P37298	2	2	2	>sp|P3729	1	2	2
sp|P37299	sp|P37299	5	5	5	>sp|P3729	1	5	5
sp|P38077	sp|P38077	17	17	17	>sp|P3807	1	17	17
sp|P38248	sp|P38248	3	3	3	>sp|P3824	1	3	3
sp|P38264	sp|P38264	5	5	5	>sp|P3826	1	5	5
sp|P38325	sp|P38325	1	1	1	>sp|P3832	1	1	1
sp|P38353	sp|P38353	2	2	2	>sp|P3835	1	2	2
sp|P38626	sp|P38626	2	2	2	>sp|P3862	1	2	2
sp|P38631	sp|P38631	4;2	4;2	4;2	>sp|P3863	2	4	4
sp|P38694	sp|P38694	2	2	2	>sp|P3869	1	2	2

sp|P38786	sp|P38786	1	1	1	>sp|P3878	1	1	1
sp|P38885	sp|P38885	1	1	1	>sp|P3888	1	1	1
sp|P39004	sp|P39004	2;2;1;1;1	2;2;1;1;1	2;2;1;1;1	>sp|P3900	5	2	2
sp|P39727	sp|P39727	1	1	1	>sp|P3972	1	1	1
sp|P39925	sp|P39925	3	3	2	>sp|P3992	1	3	3
sp|P39952	sp|P39952	1	1	1	>sp|P3995	1	1	1
sp|P39968	sp|P39968	2	2	2	>sp|P3996	1	2	2
sp|P39986	sp|P39986	4	4	4	>sp|P3998	1	4	4
sp|P40046	sp|P40046	1	1	1	>sp|P4004	1	1	1
sp|P40075	sp|P40075	3	3	3	>sp|P4007	1	3	3
sp|P40086	sp|P40086	5	5	5	>sp|P4008	1	5	5
sp|P40215	sp|P40215	20;1	20;1	20;1	>sp|P4021	2	20	20
sp|P40341	sp|P40341	3	2	2	>sp|P4034	1	3	2
sp|P40961	sp|P40961	7	7	7	>sp|P4096	1	7	7
sp|P40970	sp|P40970	1	1	1	>sp|P4097	1	1	1
sp|P43557	sp|P43557	2	2	2	>sp|P4355	1	2	2
sp|P46367	sp|P46367	18	18	18	>sp|P4636	1	18	18
sp|P46964	sp|P46964	1	1	1	>sp|P4696	1	1	1
sp|P46971	sp|P46971	1	1	1	>sp|P4697	1	1	1
sp|P47069	sp|P47069	1	1	1	>sp|P4706	1	1	1
sp|P47133	sp|P47133	1	1	1	>sp|P4713	1	1	1
sp|P47154	sp|P47154	1	1	1	>sp|P4715	1	1	1
sp|P49573	sp|P49573	1	1	1	>sp|P4957	1	1	1
sp|P50085	sp|P50085	11	11	11	>sp|P5008	1	11	11
sp|P53075	sp|P53075	2	2	2	>sp|P5307	1	2	2
sp|P53206	sp|P53206	4	4	4	>sp|P5320	1	4	4
sp|P53721	sp|P53721	5	5	5	>sp|P5372	1	5	5
sp|P54783	sp|P54783	9	9	9	>sp|P5478	1	9	9
sp|P81450	sp|P81450	3	3	3	>sp|P8145	1	3	3
sp|Q00711	sp|Q00711	4;1	4;1	4;1	>sp|Q0071	2	4	4
sp|Q02725	sp|Q02725	2	2	2	>sp|Q0272	1	2	2
sp|Q02776	sp|Q02776	8	8	8	>sp|Q0277	1	8	8
sp|Q02889	sp|Q02889	1	1	1	>sp|Q0288	1	1	1
sp|Q03028	sp|Q03028	4	4	4	>sp|Q0302	1	4	4
sp|Q03713	sp|Q03713	4	4	4	>sp|Q0371	1	4	4
sp|Q03798	sp|Q03798	2	2	2	>sp|Q0379	1	2	2
sp|Q04013	sp|Q04013	4	4	4	>sp|Q0401	1	4	4
sp|Q04080	sp|Q04080	1	1	1	>sp|Q0408	1	1	1
sp|Q04636	sp|Q04636	1	1	1	>sp|Q0463	1	1	1
sp|Q04697	sp|Q04697	2	2	2	>sp|Q0469	1	2	2
sp|Q04947	sp|Q04947	4	4	4	>sp|Q0494	1	4	4
sp|Q05359	sp|Q05359	1	1	1	>sp|Q0535	1	1	1
sp|Q06405	sp|Q06405	3	3	3	>sp|Q0640	1	3	3
sp|Q08023	sp|Q08023	1	1	1	>sp|Q0802	1	1	1
sp|Q08179	sp|Q08179	1	1	1	>sp|Q0817	1	1	1
sp|Q12029	sp|Q12029	2	2	2	>sp|Q1202	1	2	2
sp|Q12324	sp|Q12324	1	1	1	>sp|Q1232	1	1	1
sp|Q12402	sp|Q12402	2	2	2	>sp|Q1240	1	2	2
sp|Q2V2P4	sp|Q2V2P4	1	1	1	>sp|Q2V2I	1	1	1
sp|Q2V2P9	sp|Q2V2P9	2	2	2	>sp|Q2V2I	1	2	2

sp|Q99297	sp|Q99297	4	4	4	>sp|Q9929	1	4	4

Unique pe	Peptides D	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
3	3	3	3	21,6	21,6	21,6	24,409	231
2	6	3	2	13,8	8,5	5,9	51,621	472
2	2	2	2	16,6	16,6	16,6	18,974	169
12	20	20	12	32,6	32,6	21,4	66,017	644
2	6	2	2	14,8	7	7	51,267	473
16	21	21	16	32,7	32,7	26,5	59,51	593
1	4	1	1	5,3	1,5	1,5	62,378	590
13	13	13	13	34,2	34,2	34,2	62,129	623
10	17	15	10	34,3	31,2	22,9	65,865	645
1	1	1	1	0	0	0	90,797	817
1	1	1	1	15,6	15,6	15,6	12,182	109
1	1	1	1	8,2	8,2	8,2	17,257	147
11	11	11	11	85,8	85,8	85,8	14,565	127
1	1	1	1	2,1	2,1	2,1	43,655	385
1	2	2	1	4,7	4,7	3,2	58,797	534
7	7	7	7	37,5	37,5	37,5	28,567	251
5	6	6	5	51,6	51,6	42,5	17,14	153
2	3	2	2	21,2	11,9	11,9	17,197	151
4	4	4	4	24,3	24,3	24,3	17,341	148
30	30	30	30	73,2	73,2	73,2	54,793	511
2	2	2	2	9,3	9,3	9,3	29,099	259
2	2	2	2	5,6	5,6	5,6	53,359	479
1	1	1	1	6,8	6,8	6,8	23,214	206
4	4	4	4	8,5	8,5	8,5	50,032	458
4	4	4	4	41,9	41,9	41,9	17,142	155
1	1	1	1	12,8	12,8	12,8	8,9066	78
2	4	2	2	8,1	3,6	3,6	34,12	309
22	22	22	22	82,3	82,3	82,3	30,428	283
5	5	5	5	5,9	5,9	5,9	99,618	918
1	1	1	1	1,7	1,7	1,7	101,2	869
14	14	14	14	49,2	49,2	49,2	26,925	244
9	9	9	9	37,5	37,5	37,5	34,054	309
7	7	7	7	16,4	16,4	16,4	70,122	617
32	32	32	32	59,1	59,1	59,1	58,607	545
2	2	2	2	16,9	16,9	16,9	6,9631	59
23	23	23	23	63,9	63,9	63,9	50,227	457
29	29	29	29	68,5	68,5	68,5	40,478	368
1	1	1	1	4	4	4	44,498	405
2	2	2	2	2,2	2,2	2,2	93,098	820
1	1	1	1	5,6	5,6	5,6	23,505	215
10	10	10	10	59,1	59,1	59,1	23,365	215
4	4	4	4	48,9	48,9	48,9	10,974	94
13	13	13	13	65,1	65,1	65,1	22,814	212
2	2	2	2	4,4	4,4	4,4	63,003	566
12	12	12	12	21,6	21,6	21,6	63,625	574
4	4	4	4	18,4	18,4	18,4	30,362	267
5	5	5	5	11,3	11,3	11,3	75,344	663
1	1	1	1	1,6	1,6	1,6	76,771	691
2	2	2	2	8,1	8,1	8,1	44,596	393

19	21	21	19	50	50	45,6	34,426	318
1	1	1	1	5,2	5,2	5,2	21,322	191
5	5	5	5	7,8	7,8	7,8	85,367	778
1	1	1	1	5	5	5	34,044	300
24	24	24	24	46,3	46,3	46,3	60,751	572
5	5	5	5	85,5	85,5	85,5	6,7425	62
2	2	2	2	3,4	3,4	3,4	78,736	704
7	7	7	7	32	32	32	30,231	266
2	2	2	2	5	5	5	59,582	559
5	5	5	5	4,8	4,8	4,8	124,5	1083
12	12	12	12	45	45	45	32,812	311
5	5	5	5	20,9	20,9	20,9	42,038	387
3	3	3	3	8,8	8,8	8,8	62,206	558
2	2	2	2	5,6	5,6	5,6	39,301	360
4	4	4	4	15,7	15,7	15,7	39,739	369
4	4	4	4	16,4	16,4	16,4	39,324	360
3	3	3	3	7	7	7	51,719	444
2	2	2	2	3,1	3,1	3,1	77,865	700
17	17	17	17	76,4	76,4	76,4	19,809	174
3	3	3	3	5,3	5,3	5,3	86,869	759
12	12	12	12	23,1	23,1	23,1	72,388	649
2	2	2	2	4,7	4,7	4,7	57,249	513
5	5	5	5	20	20	20	39,79	345
7	7	7	7	15,1	15,1	15,1	71,124	623
2	2	2	2	1,9	1,9	1,9	189,16	1661
11	11	11	11	15,6	15,6	15,6	95,528	840
2	2	2	2	2,8	2,8	2,8	81,771	747
5	5	5	5	36,4	36,4	36,4	15,021	129
30	30	30	30	41,1	41,1	41,1	96,687	850
3	3	3	3	7	7	7	65,292	587
2	2	2	2	4,6	4,6	4,6	52,936	480
3	4	4	3	5,4	5,4	4,5	85,136	773
1	1	1	1	5,6	5,6	5,6	22,068	198
2	2	2	2	5,6	5,6	5,6	49,391	430
2	2	2	2	3,8	3,8	3,8	92,674	817
1	1	1	1	6,7	6,7	6,7	22,278	193
3	3	3	3	15,5	15,5	15,5	23,459	206
4	4	4	4	19,9	19,9	19,9	34,137	302
4	4	4	4	9,3	9,3	9,3	61,081	540
2	2	2	2	16,2	16,2	16,2	21,968	197
2	2	2	2	14,9	14,9	14,9	20,248	181
5	5	5	5	55,8	55,8	55,8	8,5928	77
17	17	17	17	59,5	59,5	59,5	34,35	311
3	3	3	3	9,3	9,3	9,3	43,768	429
5	5	5	5	23,4	23,4	23,4	21,137	188
1	1	1	1	13,4	13,4	13,4	14,609	134
2	2	2	2	6,1	6,1	6,1	53,311	490
2	2	2	2	12	12	12	31,493	284
4	4	4	4	3,3	3,3	3,3	214,85	1876
2	2	2	2	4,5	4,5	4,5	71,32	644

1	1	1	1	2,7	2,7	2,7	32,224	293
1	1	1	1	4,5	4,5	4,5	34,113	310
2	2	2	2	4	4	4	62,734	570
1	1	1	1	3,1	3,1	3,1	46,235	415
2	3	3	2	5,3	5,3	3,7	84,543	761
1	1	1	1	3,5	3,5	3,5	44,815	402
2	2	2	2	4,5	4,5	4,5	63,207	578
4	4	4	4	4,4	4,4	4,4	135,27	1215
1	1	1	1	7,8	7,8	7,8	14,371	129
3	3	3	3	25	25	25	26,925	244
5	5	5	5	10,3	10,3	10,3	54,658	486
20	20	20	20	41,2	41,2	41,2	62,773	560
2	3	2	2	5,1	3,6	3,6	93,275	825
7	7	7	7	29,3	29,3	29,3	31,427	287
1	1	1	1	2,7	2,7	2,7	63,11	561
2	2	2	2	10,6	10,6	10,6	24,018	207
18	18	18	18	52	52	52	56,723	519
1	1	1	1	13,1	13,1	13,1	14,697	130
1	1	1	1	1,8	1,8	1,8	87,965	762
1	1	1	1	1,2	1,2	1,2	79,174	682
1	1	1	1	3,1	3,1	3,1	33,855	292
1	1	1	1	2,4	2,4	2,4	52,323	453
1	1	1	1	2,5	2,5	2,5	44,441	406
11	11	11	11	38,4	38,4	38,4	34,406	310
2	2	2	2	4,2	4,2	4,2	66,862	577
4	4	4	4	13,2	13,2	13,2	42,8	393
5	5	5	5	19,6	19,6	19,6	25,344	224
9	9	9	9	21,9	21,9	21,9	59,493	526
3	3	3	3	25,4	25,4	25,4	6,6877	59
4	4	4	4	6,4	6,4	6,4	70,229	640
2	2	2	2	2,6	2,6	2,6	96,552	835
8	8	8	8	22,5	22,5	22,5	55,098	476
1	1	1	1	16,8	16,8	16,8	12,252	113
4	4	4	4	11,9	11,9	11,9	34,206	310
4	4	4	4	24,5	24,5	24,5	18,477	159
2	2	2	2	11,4	11,4	11,4	29,076	255
4	4	4	4	19,1	19,1	19,1	34,184	314
1	1	1	1	2,2	2,2	2,2	60,813	534
1	1	1	1	1,3	1,3	1,3	62,993	552
2	2	2	2	7,7	7,7	7,7	45,869	403
4	4	4	4	15,9	15,9	15,9	32,916	295
1	1	1	1	5,5	5,5	5,5	24,723	219
3	3	3	3	20,8	20,8	20,8	11,312	101
1	1	1	1	2,6	2,6	2,6	66,689	583
1	1	1	1	3,1	3,1	3,1	65,004	573
2	2	2	2	9,2	9,2	9,2	35,414	327
1	1	1	1	1,6	1,6	1,6	77,952	675
2	2	2	2	10,6	10,6	10,6	20,269	180
1	1	1	1	13,7	13,7	13,7	8,1644	73
2	2	2	2	18,2	18,2	18,2	7,4516	66

4	4	4	4	13	13	13	34,007	307

Sequence l	Q-value	Sequence (	Intensity	Intensity D	iBAQ	iBAQ DKO_	LFQ intens	MS/MS Co
231	0	21,6	5,79E+06	5,79E+06	5,26E+05	5,26E+05	5,79E+06	2
472;432;43	0	13,8	4,93E+06	4,93E+06	1,70E+05	1,70E+05	4,93E+06	5
169	0	16,6	9,39E+05	9,39E+05	1,34E+05	1,34E+05	9,39E+05	2
644;580;6(	0	32,6	3,07E+07	3,07E+07	9,90E+05	9,90E+05	3,07E+07	18
473	0	14,8	5,34E+06	5,34E+06	1,84E+05	1,84E+05	5,34E+06	8
593;570;43	0	32,7	2,96E+07	2,96E+07	1,14E+06	1,14E+06	2,96E+07	23
590	0	5,3	8,04E+06	8,04E+06	2,59E+05	2,59E+05	8,04E+06	4
623	0	34,2	5,71E+06	5,71E+06	2,20E+05	2,20E+05	5,71E+06	10
645;629;63	0	34,3	2,38E+07	2,38E+07	6,10E+05	6,10E+05	2,38E+07	18
817	0,006993	0	3,17E+05	3,17E+05	NaN	NaN	3,17E+05	1
109	0	15,6	3,05E+05	3,05E+05	5,08E+04	5,08E+04	3,05E+05	1
147	0	8,2	1,67E+06	1,67E+06	2,79E+05	2,79E+05	1,67E+06	1
127	0	85,8	2,15E+07	2,15E+07	2,69E+06	2,69E+06	2,15E+07	21
385;423;51	0,006803	2,1	1,54E+06	1,54E+06	3,08E+05	3,08E+05	1,54E+06	1
534;415;5	0	4,7	1,10E+07	1,10E+07	1,38E+06	1,38E+06	1,10E+07	3
251	0	37,5	1,22E+07	1,22E+07	1,53E+06	1,53E+06	1,22E+07	8
153	0	51,6	9,02E+06	9,02E+06	1,13E+06	1,13E+06	9,02E+06	6
151	0	21,2	6,01E+06	6,01E+06	6,68E+05	6,68E+05	6,01E+06	4
148	0	24,3	2,08E+06	2,08E+06	2,08E+05	2,08E+05	2,08E+06	5
511	0	73,2	9,60E+08	9,60E+08	3,56E+07	3,56E+07	9,60E+08	49
259	0	9,3	1,42E+06	1,42E+06	4,73E+05	4,73E+05	1,42E+06	1
479	0	5,6	8,18E+05	8,18E+05	3,27E+04	3,27E+04	8,18E+05	2
206	0	6,8	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
458	0	8,5	3,07E+06	3,07E+06	1,40E+05	1,40E+05	3,07E+06	3
155	0	41,9	3,72E+06	3,72E+06	4,65E+05	4,65E+05	3,72E+06	5
78	0	12,8	3,18E+06	3,18E+06	7,96E+05	7,96E+05	3,18E+06	1
309	0	8,1	3,50E+07	3,50E+07	1,84E+06	1,84E+06	3,50E+07	6
283	0	82,3	4,54E+08	4,54E+08	2,84E+07	2,84E+07	4,54E+08	33
918;947	0	5,9	1,78E+06	1,78E+06	5,95E+04	5,95E+04	1,78E+06	3
869	0	1,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
244	0	49,2	1,82E+08	1,82E+08	1,30E+07	1,30E+07	1,82E+08	30
309	0	37,5	3,73E+07	3,73E+07	3,39E+06	3,39E+06	3,73E+07	11
617	0	16,4	3,46E+06	3,46E+06	1,05E+05	1,05E+05	3,46E+06	9
545	0	59,1	8,88E+08	8,88E+08	2,96E+07	2,96E+07	8,88E+08	61
59	0	16,9	6,41E+06	6,41E+06	2,14E+06	2,14E+06	6,41E+06	3
457	0	63,9	2,04E+08	2,04E+08	8,87E+06	8,87E+06	2,04E+08	37
368	0	68,5	2,29E+08	2,29E+08	1,09E+07	1,09E+07	2,29E+08	42
405	0	4	2,33E+05	2,33E+05	1,55E+04	1,55E+04	2,33E+05	1
820;859	0	2,2	3,31E+06	3,31E+06	7,87E+04	7,87E+04	3,31E+06	2
215	0,006897	5,6	4,62E+05	4,62E+05	3,30E+04	3,30E+04	4,62E+05	1
215	0	59,1	1,76E+07	1,76E+07	1,76E+06	1,76E+06	1,76E+07	11
94	0	48,9	8,02E+06	8,02E+06	1,34E+06	1,34E+06	8,02E+06	5
212	0	65,1	1,43E+08	1,43E+08	1,19E+07	1,19E+07	1,43E+08	20
566	0	4,4	1,38E+05	1,38E+05	5,32E+03	5,32E+03	1,38E+05	1
574	0	21,6	2,36E+07	2,36E+07	1,12E+06	1,12E+06	2,36E+07	16
267	0	18,4	7,64E+05	7,64E+05	5,10E+04	5,10E+04	7,64E+05	1
663	0	11,3	1,23E+06	1,23E+06	4,09E+04	4,09E+04	1,23E+06	4
691	0	1,6	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
393	0	8,1	9,68E+05	9,68E+05	5,09E+04	5,09E+04	9,68E+05	3

318;307	0	50	1,49E+08	1,49E+08	7,83E+06	7,83E+06	1,49E+08	18
191	0	5,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
778	0	7,8	1,41E+06	1,41E+06	3,52E+04	3,52E+04	1,41E+06	5
300	0	5	2,99E+05	2,99E+05	1,76E+04	1,76E+04	2,99E+05	1
572	0	46,3	3,02E+07	3,02E+07	9,45E+05	9,45E+05	3,02E+07	26
62	0	85,5	6,89E+06	6,89E+06	1,72E+06	1,72E+06	6,89E+06	6
704	0	3,4	3,42E+05	3,42E+05	7,77E+03	7,77E+03	3,42E+05	3
266	0	32	5,79E+06	5,79E+06	3,62E+05	3,62E+05	5,79E+06	5
559	0	5	3,28E+05	3,28E+05	1,49E+04	1,49E+04	3,28E+05	1
1083	0	4,8	6,35E+05	6,35E+05	1,01E+04	1,01E+04	6,35E+05	3
311	0	45	4,52E+07	4,52E+07	2,83E+06	2,83E+06	4,52E+07	17
387	0	20,9	2,23E+06	2,23E+06	1,49E+05	1,49E+05	2,23E+06	6
558	0	8,8	4,55E+05	4,55E+05	2,17E+04	2,17E+04	4,55E+05	2
360	0	5,6	3,33E+05	3,33E+05	1,66E+04	1,66E+04	3,33E+05	2
369	0	15,7	1,54E+06	1,54E+06	1,28E+05	1,28E+05	1,54E+06	5
360	0	16,4	1,30E+06	1,30E+06	6,85E+04	6,85E+04	1,30E+06	5
444	0	7	8,51E+05	8,51E+05	4,05E+04	4,05E+04	8,51E+05	1
700	0	3,1	4,51E+05	4,51E+05	1,19E+04	1,19E+04	4,51E+05	1
174	0	76,4	1,13E+08	1,13E+08	1,13E+07	1,13E+07	1,13E+08	20
759	0	5,3	2,47E+06	2,47E+06	6,86E+04	6,86E+04	2,47E+06	3
649	0	23,1	2,26E+06	2,26E+06	5,66E+04	5,66E+04	2,26E+06	7
513	0	4,7	2,36E+05	2,36E+05	9,43E+03	9,43E+03	2,36E+05	1
345	0	20	1,03E+06	1,03E+06	6,41E+04	6,41E+04	1,03E+06	4
623	0	15,1	2,64E+06	2,64E+06	7,33E+04	7,33E+04	2,64E+06	8
1661	0	1,9	1,01E+07	1,01E+07	1,24E+05	1,24E+05	1,01E+07	2
840	0	15,6	4,83E+06	4,83E+06	1,46E+05	1,46E+05	4,83E+06	10
747	0	2,8	5,18E+05	5,18E+05	1,36E+04	1,36E+04	5,18E+05	2
129	0	36,4	2,97E+06	2,97E+06	3,30E+05	3,30E+05	2,97E+06	3
850	0	41,1	2,56E+07	2,56E+07	5,12E+05	5,12E+05	2,56E+07	28
587	0	7	5,73E+05	5,73E+05	2,29E+04	2,29E+04	5,73E+05	2
480	0	4,6	2,36E+06	2,36E+06	1,39E+05	1,39E+05	2,36E+06	2
773	0	5,4	6,38E+05	6,38E+05	1,82E+04	1,82E+04	6,38E+05	3
198	0	5,6	1,40E+06	1,40E+06	1,17E+05	1,17E+05	1,40E+06	1
430	0	5,6	5,09E+05	5,09E+05	2,55E+04	2,55E+04	5,09E+05	2
817	0	3,8	5,40E+05	5,40E+05	1,74E+04	1,74E+04	5,40E+05	3
193	0,006757	6,7	1,94E+05	1,94E+05	1,94E+04	1,94E+04	1,94E+05	1
206	0	15,5	9,18E+05	9,18E+05	1,02E+05	1,02E+05	9,18E+05	3
302	0	19,9	8,97E+05	8,97E+05	4,98E+04	4,98E+04	8,97E+05	2
540	0	9,3	1,59E+05	1,59E+05	5,90E+03	5,90E+03	1,59E+05	4
197	0	16,2	2,67E+06	2,67E+06	3,82E+05	3,82E+05	2,67E+06	2
181	0	14,9	5,49E+05	5,49E+05	6,10E+04	6,10E+04	5,49E+05	2
77	0	55,8	1,66E+07	1,66E+07	3,32E+06	3,32E+06	1,66E+07	7
311	0	59,5	1,70E+08	1,70E+08	9,42E+06	9,42E+06	1,70E+08	21
429	0	9,3	2,56E+06	2,56E+06	2,56E+05	2,56E+05	2,56E+06	3
188	0	23,4	1,56E+06	1,56E+06	1,11E+05	1,11E+05	1,56E+06	2
134	0	13,4	1,62E+06	1,62E+06	4,04E+05	4,04E+05	1,62E+06	2
490	0	6,1	3,44E+05	3,44E+05	2,02E+04	2,02E+04	3,44E+05	1
284	0	12	6,98E+05	6,98E+05	3,67E+04	3,67E+04	6,98E+05	3
1876;1895	0	3,3	9,33E+05	9,33E+05	1,28E+04	1,28E+04	9,33E+05	4
644	0	4,5	2,28E+05	2,28E+05	7,86E+03	7,86E+03	2,28E+05	0

293	0	2,7	1,00E+07	1,00E+07	5,88E+05	5,88E+05	1,00E+07	1
310	0	4,5	5,01E+05	5,01E+05	2,51E+04	2,51E+04	5,01E+05	2
570;570;5(	0	4	8,00E+05	8,00E+05	4,00E+04	4,00E+04	8,00E+05	2
415	0	3,1	1,10E+05	1,10E+05	5,77E+03	5,77E+03	1,10E+05	1
761	0	5,3	1,19E+06	1,19E+06	3,39E+04	3,39E+04	1,19E+06	2
402	0	3,5	6,06E+05	6,06E+05	5,51E+04	5,51E+04	6,06E+05	1
578	0	4,5	2,28E+05	2,28E+05	9,93E+03	9,93E+03	2,28E+05	1
1215	0	4,4	9,81E+05	9,81E+05	1,61E+04	1,61E+04	9,81E+05	3
129	0	7,8	1,70E+05	1,70E+05	2,43E+04	2,43E+04	1,70E+05	1
244	0	25	1,14E+06	1,14E+06	9,54E+04	9,54E+04	1,14E+06	3
486	0	10,3	1,18E+06	1,18E+06	5,13E+04	5,13E+04	1,18E+06	4
560;545	0	41,2	2,68E+07	2,68E+07	8,37E+05	8,37E+05	2,68E+07	30
825	0	5,1	1,52E+06	1,52E+06	3,23E+04	3,23E+04	1,52E+06	4
287	0	29,3	1,58E+07	1,58E+07	1,13E+06	1,13E+06	1,58E+07	6
561	0	2,7	3,91E+05	3,91E+05	1,56E+04	1,56E+04	3,91E+05	1
207	0	10,6	4,90E+05	4,90E+05	3,77E+04	3,77E+04	4,90E+05	2
519	0	52	1,04E+07	1,04E+07	3,47E+05	3,47E+05	1,04E+07	18
130	0	13,1	2,55E+05	2,55E+05	4,25E+04	4,25E+04	2,55E+05	1
762	0	1,8	4,86E+05	4,86E+05	1,87E+04	1,87E+04	4,86E+05	1
682	0,006849	1,2	1,74E+06	1,74E+06	5,13E+04	5,13E+04	1,74E+06	1
292	0	3,1	2,48E+06	2,48E+06	1,65E+05	1,65E+05	2,48E+06	1
453	0	2,4	1,74E+05	1,74E+05	8,68E+03	8,68E+03	1,74E+05	1
406	0,006944	2,5	4,86E+05	4,86E+05	3,04E+04	3,04E+04	4,86E+05	1
310	0	38,4	3,18E+07	3,18E+07	1,87E+06	1,87E+06	3,18E+07	16
577	0	4,2	5,65E+05	5,65E+05	2,17E+04	2,17E+04	5,65E+05	2
393	0	13,2	9,62E+05	9,62E+05	4,01E+04	4,01E+04	9,62E+05	4
224	0	19,6	1,85E+07	1,85E+07	2,31E+06	2,31E+06	1,85E+07	7
526	0	21,9	3,94E+06	3,94E+06	1,36E+05	1,36E+05	3,94E+06	12
59	0	25,4	8,45E+06	8,45E+06	2,11E+06	2,11E+06	8,45E+06	3
640;634	0	6,4	1,42E+06	1,42E+06	4,42E+04	4,42E+04	1,42E+06	3
835	0	2,6	1,08E+05	1,08E+05	2,34E+03	2,34E+03	1,08E+05	2
476	0	22,5	2,27E+06	2,27E+06	9,48E+04	9,48E+04	2,27E+06	7
113	0	16,8	2,91E+05	2,91E+05	9,69E+04	9,69E+04	2,91E+05	1
310	0	11,9	5,81E+05	5,81E+05	3,42E+04	3,42E+04	5,81E+05	2
159	0	24,5	2,16E+06	2,16E+06	2,69E+05	2,69E+05	2,16E+06	3
255	0	11,4	5,91E+05	5,91E+05	3,48E+04	3,48E+04	5,91E+05	3
314	0	19,1	1,44E+06	1,44E+06	1,03E+05	1,03E+05	1,44E+06	5
534	1	2,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
552	0	1,3	1,23E+05	1,23E+05	4,24E+03	4,24E+03	1,23E+05	1
403	0	7,7	2,36E+05	2,36E+05	1,18E+04	1,18E+04	2,36E+05	1
295	0	15,9	2,10E+06	2,10E+06	1,11E+05	1,11E+05	2,10E+06	3
219	0	5,5	3,09E+05	3,09E+05	3,09E+04	3,09E+04	3,09E+05	1
101	0	20,8	5,47E+07	5,47E+07	9,12E+06	9,12E+06	5,47E+07	6
583	0	2,6	1,62E+05	1,62E+05	5,05E+03	5,05E+03	1,62E+05	1
573	0	3,1	1,07E+06	1,07E+06	3,25E+04	3,25E+04	1,07E+06	1
327	0	9,2	1,44E+05	1,44E+05	1,03E+04	1,03E+04	1,44E+05	1
675	0	1,6	1,51E+05	1,51E+05	6,28E+03	6,28E+03	1,51E+05	1
180	0	10,6	5,69E+05	5,69E+05	7,12E+04	7,12E+04	5,69E+05	2
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
66	0	18,2	2,78E+06	2,78E+06	9,28E+05	9,28E+05	2,78E+06	3

307	0	13	8,55E+05	8,55E+05	5,03E+04	5,03E+04	8,55E+05	3

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
2			+	0	289;386;43	True;True;	289;386;43	340;458;51
5			+	1	34;238;357	True;True;	34;238;357	39;279;425
2			+	2	608;781	True;True	608;781	714;922
18			+	3	13;112;121	True;True;	13;112;121	14;135;145
8			+	4	34;51;286;	False;True;	34;51;286;	39;60;335;
23			+	5	35;72;241;	True;True;	35;72;241;	40;86;282;
4			+	6	55;470;471	True;False;	55;470;471	65;551;552
10			+	7	83;140;196	True;True;	83;140;196	100;166;22
18			+	8	56;122;186	True;True;	56;122;186	66;146;219
1		+		9	545	True	545	636
1				10	266	True	266	312
1				11	38	True	38	44
21				12	23;52;144;	True;True;	23;52;144;	25;61;62;1
1				13	232	True	232	271
3				14	45;759	True;True	45;759	53;54;896
8				15	27;138;187	True;True;	27;138;187	29;164;220
6				16	456;517;52	True;True;	456;517;52	536;603;61
4				17	139;399;45	True;True;	139;399;45	165;473;53
5				18	69;131;774	True;True;	69;131;774	82;157;914
49				19	22;65;136;	True;True;	22;65;136;	23;24;75;7
1				20	29;758	True;True	29;758	31;892;893
2				21	26;442	True;True	26;442	28;521
0				22	163	True	163	193
3				23	284;412;53	True;True;	284;412;53	333;488;61
5				24	137;373;40	True;True;	137;373;40	163;443;48
1				25	81	True	81	98
6				26	519;520;77	True;True;	519;520;77	605;606;60
33				27	32;33;75;7	True;True;	32;33;75;7	34;35;36;3
3				28	352;450;62	True;True;	352;450;62	419;530;73
0				29	692	True	692	808
30				30	31;44;64;1	True;True;	31;44;64;1	33;51;52;7
11				31	6;7;115;11	True;True;	6;7;115;11	6;7;138;13
9				32	36;40;88;1	True;True;	36;40;88;1	41;42;46;1
61				33	48;62;129;	True;True;	48;62;129;	57;72;154;
3				34	145;203	True;True	145;203	172;173;23
37				35	2;41;42;67	True;True;	2;41;42;67	2;47;48;49
42				36	80;95;98;9	True;True;	80;95;98;9	96;97;114;
1				37	176	True	176	207
2				38	271;641	True;True	271;641	319;752
1				39	755	True	755	888
11				40	236;332;33	True;True;	236;332;33	276;392;39
5				41	21;225;466	True;True;	21;225;466	22;261;547
20				42	1;105;216;	True;True;	1;105;216;	1;126;127;
1				43	273;753	True;True	273;753	321;886
16				44	19;79;235;	True;True;	19;79;235;	20;94;95;2
1				45	378;512;69	True;True;	378;512;69	449;598;81
4				46	11;68;483;	True;True;	11;68;483;	12;81;565;
1				47	82	True	82	99
3				48	584;765	True;True	584;765	685;904

18	49	39;164;207	True;True;	39;164;207	45;194;241
1	50	802	True	802	948
5	51	253;362;49	True;True;	253;362;49	297;431;57
1	52	170	True	170	201
26	53	10;46;47;1	True;True;	10;46;47;1	11;55;56;1
6	54	20;323;467	True;True;	20;323;467	21;380;548
3	55	126;328	True;True	126;328	151;387
5	56	78;96;134;	True;True;	78;96;134;	93;115;160
1	57	161;338	True;True	161;338	191;399
3	58	12;200;209	True;True;	12;200;209	13;233;243
17	59	49;58;130;	True;True;	49;58;130;	58;68;156;
6	60	16;234;410	True;True;	16;234;410	17;274;486
2	61	404;536;54	True;True;	404;536;54	479;625;63
2	62	297;771	True;True	297;771	350;911
5	63	171;359;68	True;True;	171;359;68	202;428;80
5	64	84;118;199	True;True;	84;118;199	101;142;23
1	65	120;143;36	True;True;	120;143;36	144;169;43
1	66	437;700	True;True	437;700	515;819
20	67	93;94;103;	True;True;	93;94;103;	112;113;12
3	68	208;438;48	True;True;	208;438;48	242;516;56
7	69	59;97;113;	True;True;	59;97;113;	69;116;136
1	70	447;619	True;True	447;619	527;726
4	71	5;87;460;4	True;True;	5;87;460;4	5;104;105;
8	72	153;245;27	True;True;	153;245;27	182;286;32
2	73	658;683	True;True	658;683	770;799
10	74	25;107;184	True;True;	25;107;184	27;130;216
2	75	175;754	True;True	175;754	206;887
3	76	110;119;18	True;True;	110;119;18	133;143;21
28	77	8;18;54;57	True;True;	8;18;54;57	8;9;19;64;6
2	78	156;394;67	True;True;	156;394;67	185;468;78
2	79	15;691	True;True	15;691	16;807
3	80	91;392;690	True;True;	91;392;690	110;466;80
1	81	4	True	4	4
2	82	160;383	True;True	160;383	190;455
3	83	313;521	True;True	313;521	368;608
1	84	735	True	735	865
3	85	493;525;79	True;True;	493;525;79	576;612;93
2	86	100;242;41	True;True;	100;242;41	120;283;49
4	87	300;648;74	True;True;	300;648;74	353;760;87
2	88	429;701	True;True	429;701	507;820
2	89	247;376	True;True	247;376	289;447
7	90	70;193;304	True;True;	70;193;304	83;84;226;
21	91	73;90;148;	True;True;	73;90;148;	87;108;109
3	92	419;711;73	True;True;	419;711;73	496;834;86
2	93	420;568;79	True;True;	420;568;79	497;667;94
2	94	409	True	409	484;485
1	95	60;111	True;True	60;111	70;134
3	96	320;631	True;True	320;631	376;741
4	97	295;562;73	True;True;	295;562;73	348;660;86
0	98	643;717	True;True	643;717	754;842

1		99	479	True	479	561	
2		100	50	True	50	59	
2		101	363;507	True;True	363;507	432;593	
1		102	102	True	102	122	
2		103	205;406;4(	True;True;	205;406;4(	239;481;5-	
1		104	494	True	494	577	
1		105	37;440	True;True	37;440	43;519	
3		106	189;385;4:	True;True;	189;385;4:	222;457;5(	
1		107	268	True	268	314	
3		108	61;125;16!	True;True;	61;125;16!	71;150;20(	
4		109	150;343;5(	True;True;	150;343;5(	179;406;5!	
30		110	9;24;123;1	True;True;	9;24;123;1	10;26;147;	
4		111	155;205;6!	True;False;	155;205;6!	184;239;7(	
6		112	14;28;523;	True;True;	14;28;523;	15;30;610;	
1		113	272	True	272	320	
2		114	308;435	True;True	308;435	363;513	
18		115	17;154;21(	True;True;	17;154;21(	18;183;24-	
1		116	749	True	749	881	
1		117	265	True	265	311	
1		118	432	True	432	510	
1		119	314	True	314	369	
1		120	650	True	650	762	
1		121	798	True	798	944	
16		122	3;66;92;29	True;True;	3;66;92;29	3;77;78;11	
2		123	43;355	True;True	43;355	50;423	
4		124	63;365;63-	True;True;	63;365;63-	73;434;74-	
7		125	85;86;301;	True;True;	85;86;301;	102;103;3!	
12		126	71;109;15!	True;True;	71;109;15!	85;132;18!	
3		127	132;192;5-	True;True;	132;192;5-	158;225;6:	
3		128	30;585;65(	True;True;	30;585;65(	32;686;76(	
2		129	342;347	True;True	342;347	405;412	
7		130	117;306;3!	True;True;	117;306;3!	141;361;4(	
1		131	513	True	513	599	
2		132	133;224;4:	True;True;	133;224;4:	159;260;4!	
3		133	89;152;44-	True;True;	89;152;44-	107;181;5-	
3		134	613;684	True;True	613;684	719;800	
5		135	279;465;5:	True;True;	279;465;5:	327;546;6(	
0	+	136	436	True	436	514	
1		137	321	True	321	377	
1		138	0;264	True;True	0;264	0;310	
3		139	382;391;6:	True;True;	382;391;6:	454;465;7-	
1		140	53	True	53	63	
6		141	269;550;6(	True;True;	269;550;6(	315;316;6-	
1		142	303	True	303	357	
1		143	628	True	628	738	
1		144	349;716	True;True	349;716	415;841	
1		145	368	True	368	437	
2		146	114;317	True;True	114;317	137;372	
0		147	377	True	377	448	
3		148	282;283	True;True	282;283	331;332	

3	149	172;221;3(	True;True;	172;221;3(	203;255;3(

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
402;550;6:	402;550;6:	0	94
43;329;50:	43;329;50:	1;2	119;272
852;1102	852;1102		
15;151;16:	15;151;16:	3;4;5;6	259;262;296;469
43;65;396;	43;65;398;	2	121
44;101;33:	44;101;33:	2;7;8	150;306;321
77;664;66:	77;664;665;669		
116;188;2(	116;188;2(	9;10;11	157;234;269
78;163;25:	78;163;25:	12;13	343;473
763	763		
368	368		
48	48		
28;66;67;6	28;72;193;	14	56
314	314		
57;58;107	57;1074		
32;186;25:	32;186;25:	15;16	167;232
647;648;7:	648;719;7:	17;18	41;124
187;567;6	187;567;648		
97;179;10:	97;179;1093;1107		
26;27;88;8	27;89;184;	19;20;21;2	97;255;322;426;492
34;1067;1(	34;1071	24;25	80;82
31;627	31;627		
217	217	26	173
394;586;7:	394;586;739;1121		
185;532;5:	185;533;580;895		
114	114		
722;723;7:	722;724;1095;1097		
37;38;39;4	37;42;106;	27;28;29	1;142;167
495;641;8	495;641;8	30;31;32	556;904;907
967	967	33	329
36;55;56;8	36;55;86;140;382;494;734;1018;1019;1026;1039;1043;1109;1110		
6;7;8;154;:	7;8;155;15	34;35;36	128;233;247
45;46;50;1	46;50;122;244;540;688;781		
61;84;172;	61;84;172;	37;38	99;263
195;196;2:	195;279		
2;51;52;53	2;51;53;93	39;40;41;4	339;446;452;454;455
112;113;1:	113;130;133;135;210;212;216;242;243;247;257;259;267;274;306;434;461;479;526;565;6		
239	239		
377;899	377;899		
1063	1063		
323;324;4(	323;462;4(	44;45;46;4	59;63;82;91;134
23;24;25;3	25;304;66(	49;50	10;16
1;142;143;	1;142;293;343;375;536;543;553;555;668;692;835;962		
379;1061	379;1061	51	211
21;110;11:	21;111;32:	52	303
539;714;9:	539;714;9:	53;54;55	29;33;158
13;96;678;	13;96;678;	56	169
115	115		
815;816;1(	815;1082		

49;218;21 49;220;28 57;58;59;6 29;57;114;256;257;304;310
1130 1130
353;512;6 353;512;693;922;1078
232 232
12;59;60;1 12;59;60;1 64;65;66 135;214;513
22;448;44 22;448;661;862;902
168;169;4 168;457
109;131;1 109;131;1 67;68;69 97;226;231
215;474 215;474 70 431
14;273;28 14;273;28 71;72 511;675
62;80;175; 62;80;176; 73 35
18;319;32 18;320;58 74 94
576;750;7 576;750;7 75 403
413;1090 413;1090
233;234;5 233;506;961;1128
117;159;2 117;159;272;920
161;192;5 161;192;517
618;982 618;982
128;129;1 128;129;1 76;77 153;174
284;619;6 284;619;675
81;132;15 81;132;15 78;79;80;8 346;359;385;519;585;622
638;868 638;868 84 410
5;120;121; 5;121;654; 85 175
205;336;3 205;336;381;548;915;1023;1133
925;957 925;957
30;146;24 30;146;24 86;87 14;356
238;1062 238;1062
149;160;2 149;160;2 88;89;90 38;50;99
9;10;20;75 9;20;75;79 91;92;93;9 341;398;474;480;660;741
209;560;9 209;560;9 97 278
17;966 17;966
126;558;9 126;558;965;994
4 4
214;547 214;547
435;725;7 435;725
1035 1035
690;730;1 690;730;1120
136;333;5 136;333;5 98 82
416;913;1 416;913;1048;1075
610;983 610;983
342;537 342;537
98;99;262; 98;262;421;473;909
102;103;1 103;124;1 99;100;10 77;251;255
597;999;1 597;999;1034
598;796;1 598;796;1 102;103 72;121
582;583 582
82;150 82;150 104 408
443;444;8 444;888
410;788;1 410;788;1038;1092
901;1007 901;1007 105 137

674 674
63;64 63
513;708 513;708
138 138
281;579;6 281;579;6 106 486
691 691
47;624 47;624 107 260
256;549;6 256;549;603;804
371 371
83;167;23 83;167;231
202;481;6 202;481;6 108;109 291;339
11;29;164; 11;29;164;165;171;189;282;312;380;492;670;686;706;780;823;904;935;949;950;1118
207;208;2 207;281;924
16;33;728; 16;33;728; 110 29
378 378
426;616 426;616
19;206;28 19;206;28 111;112;1 370;441;499
1055 1055
367 367
613 613
436 436
916 916
1126 1126
3;90;91;12 3;90;127;4 114 118
54;499 54;499
85;515;89 85;515;891;1000
118;119;4 118;119;418;786;970
100;148;2 100;148;2 115 475
180;261;7 180;261;764
35;817;92 35;817;923 116 340
480;487 480;487
158;424;5 158;424;5 117;118;1 378;408;410;427
715 715
181;303;5 181;303;5 121;122 39;90
123;204;6 123;204;6 123 18
860;861;9 860;958
385;386;6 386;659;717;797
617 617 124 404
445 445
0;366 0;366 125 157
546;557;8 546;557;8 126 192
74 74
372;373;3 374;770;839
420 420
884 884
491;1006 491;1006 127 246
518 518
153;439 153;439
538 538 128 42
391;392;3 391;393

235;298;42	235;298;42	129	180

650;653;790;791;893;1044;1046;1047;1089

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	4	4	4	>P00761 S	1	4	4
CON__P02	CON__P02	3;3	1;1	0;0	>P02533 S	2	3	1
CON__P04	CON__P04	15;2;2;1;1	15;2;2;1;1	10;2;2;1;1	>P04264 S	5	15	15
CON__P13	CON__P13	12;6;2;2;2;	12;6;2;2;2;	9;3;0;0;0;0	>P13645 S	29	12	12
CON__P35	CON__P35	9	9	9	>P35527 S	1	9	9
CON__P35	CON__P35	10;2;2;2;2;	8;2;2;2;2;1	6;1;1;1;1;1	>P35908 S	9	10	8
CON__Q86	CON__Q86	3	3	3	>Q86YZ3 S	1	3	3
REV__sp|F	REV__sp|F	1	1	1	>sp|P3238	1	1	1
REV__sp|C	REV__sp|C	1	1	1	>sp|Q0898	1	1	1
sp|P00044	sp|P00044	3;1	3;1	3;1	>sp|P0004	2	3	3
sp|P00127	sp|P00127	1	1	1	>sp|P0012	1	1	1
sp|P00128	sp|P00128	10	10	10	>sp|P0012	1	10	10
sp|P00163	sp|P00163	1;1;1;1	1;1;1;1	1;1;1;1	>sp|P0016	4	1	1
sp|P00401	sp|P00401	1	1	1	>sp|P0040	1	1	1
sp|P00410	sp|P00410	6	6	6	>sp|P0041	1	6	6
sp|P00424	sp|P00424	4	4	3	>sp|P0042	1	4	4
sp|P00427	sp|P00427	6	6	6	>sp|P0042	1	6	6
sp|P00549	sp|P00549	1	1	1	>sp|P0054	1	1	1
sp|P00560	sp|P00560	4	4	4	>sp|P0056	1	4	4
sp|P00830	sp|P00830	31	31	31	>sp|P0083	1	31	31
sp|P00854	sp|P00854	2	2	2	>sp|P0085	1	2	2
sp|P00890	sp|P00890	7	7	7	>sp|P0089	1	7	7
sp|P02294	sp|P02294	1;1	1;1	1;1	>sp|P0229	2	1	1
sp|P02992	sp|P02992	2	2	2	>sp|P0299	1	2	2
sp|P02994	sp|P02994	12	12	12	>sp|P0299	1	12	12
sp|P04037	sp|P04037	2	2	2	>sp|P0403	1	2	2
sp|P04039	sp|P04039	1	1	1	>sp|P0403	1	1	1
sp|P04385	sp|P04385	4	4	4	>sp|P0438	1	4	4
sp|P04710	sp|P04710	5	3	3	>sp|P0471	1	5	3
sp|P04840	sp|P04840	24	24	24	>sp|P0484	1	24	24
sp|P04912	sp|P04912	1;1	1;1	1;1	>sp|P0491	2	1	1
sp|P05030	sp|P05030	11;10	11;10	11;10	>sp|P0503	2	11	11
sp|P05626	sp|P05626	12	12	12	>sp|P0562	1	12	12
sp|P0CH0	sp|P0CH0	2;2;2;2	2;2;2;2	2;2;2;2	>sp|P0CH0	4	2	2
sp|P06168	sp|P06168	6	6	6	>sp|P0616	1	6	6
sp|P06780	sp|P06780	8	8	8	>sp|P0678	1	8	8
sp|P07143	sp|P07143	10	10	10	>sp|P0714	1	10	10
sp|P07213	sp|P07213	10	10	10	>sp|P0721	1	10	10
sp|P07251	sp|P07251	35	35	35	>sp|P0725	1	35	35
sp|P07255	sp|P07255	3	3	3	>sp|P0725	1	3	3
sp|P07256	sp|P07256	22	22	22	>sp|P0725	1	22	22
sp|P07257	sp|P07257	27	27	27	>sp|P0725	1	27	27
sp|P07267	sp|P07267	5	5	5	>sp|P0726	1	5	5
sp|P07560	sp|P07560	2	2	2	>sp|P0756	1	2	2
sp|P08067	sp|P08067	5	5	5	>sp|P0806	1	5	5
sp|P08417	sp|P08417	2	2	2	>sp|P0841	1	2	2
sp|P08431	sp|P08431	1	1	1	>sp|P0843	1	1	1
sp|P08456	sp|P08456	1	1	1	>sp|P0845	1	1	1
sp|P08466	sp|P08466	5	5	5	>sp|P0846	1	5	5

sp|P08525	sp|P08525	5	5	5	>sp|P0852	1	5	5
sp|P09457	sp|P09457	12	12	12	>sp|P0945	1	12	12
sp|P09624	sp|P09624	5	5	5	>sp|P0962	1	5	5
sp|P0C5R9	sp|P0C5R9	1	1	1	>sp|P0C5R	1	1	1
sp|P10614	sp|P10614	6	6	6	>sp|P1061	1	6	6
sp|P19146	sp|P19146	1;1	1;1	1;1	>sp|P1914	2	1	1
sp|P11491	sp|P11491	5	5	5	>sp|P1149	1	5	5
sp|P13181	sp|P13181	16	16	16	>sp|P1318	1	16	16
sp|P14020	sp|P14020	9	9	9	>sp|P1402	1	9	9
sp|P14906	sp|P14906	8	8	8	>sp|P1490	1	8	8
sp|P15367	sp|P15367	1	1	1	>sp|P1536	1	1	1
sp|P16474	sp|P16474	1	1	1	>sp|P1647	1	1	1
sp|P16547	sp|P16547	3	3	3	>sp|P1654	1	3	3
sp|P16622	sp|P16622	7	7	7	>sp|P1662	1	7	7
sp|P17255	sp|P17255	10	10	10	>sp|P1725	1	10	10
sp|P17505	sp|P17505	4	4	4	>sp|P1750	1	4	4
sp|P17695	sp|P17695	3	3	3	>sp|P1769	1	3	3
sp|P18239	sp|P18239	20;3	20;3	18;1	>sp|P1823	2	20	20
sp|P19073	sp|P19073	2	2	2	>sp|P1907	1	2	2
sp|P19414	sp|P19414	7	7	7	>sp|P1941	1	7	7
sp|P19882	sp|P19882	25	25	25	>sp|P1988	1	25	25
sp|P20050	sp|P20050	1	1	1	>sp|P2005	1	1	1
sp|P20107	sp|P20107	2	2	2	>sp|P2010	1	2	2
sp|P21147	sp|P21147	6	6	6	>sp|P2114	1	6	6
sp|P21306	sp|P21306	6	6	6	>sp|P2130	1	6	6
sp|P21576	sp|P21576	4	4	4	>sp|P2157	1	4	4
sp|P21801	sp|P21801	11	11	11	>sp|P2180	1	11	11
sp|P21954	sp|P21954	4;1;1	4;1;1	4;1;1	>sp|P2195	3	4	4
sp|P23641	sp|P23641	17	17	17	>sp|P2364	1	17	17
sp|P23644	sp|P23644	10	10	10	>sp|P2364	1	10	10
sp|P25045	sp|P25045	3	3	3	>sp|P2504	1	3	3
sp|P25087	sp|P25087	3	3	3	>sp|P2508	1	3	3
sp|P25340	sp|P25340	3	3	3	>sp|P2534	1	3	3
sp|P25342	sp|P25342	3	3	3	>sp|P2534	1	3	3
sp|P25349	sp|P25349	2	2	2	>sp|P2534	1	2	2
sp|P25365	sp|P25365	2	2	2	>sp|P2536	1	2	2
sp|P25371	sp|P25371	2	2	2	>sp|P2537	1	2	2
sp|P25374	sp|P25374	1	1	1	>sp|P2537	1	1	1
sp|P25379	sp|P25379	2	2	2	>sp|P2537	1	2	2
sp|P25515	sp|P25515	1	1	1	>sp|P2551	1	1	1
sp|P25574	sp|P25574	2	2	2	>sp|P2557	1	2	2
sp|P25618	sp|P25618	3	3	3	>sp|P2561	1	3	3
sp|P28241	sp|P28241	12	12	12	>sp|P2824	1	12	12
sp|P28834	sp|P28834	10	10	10	>sp|P2883	1	10	10
sp|P29704	sp|P29704	4	4	4	>sp|P2970	1	4	4
sp|P30624	sp|P30624	9	9	9	>sp|P3062	1	9	9
sp|P30902	sp|P30902	16	16	16	>sp|P3090	1	16	16
sp|P31382	sp|P31382	12;2	12;2	12;2	>sp|P3138	2	12	12
sp|P32191	sp|P32191	13	13	13	>sp|P3219	1	13	13
sp|P32317	sp|P32317	1	1	1	>sp|P3231	1	1	1

sp|P32324	sp|P32324	1	1	1	>sp|P3232	1	1	1
sp|P32331	sp|P32331	1	1	1	>sp|P3233	1	1	1
sp|P32335	sp|P32335	2	2	2	>sp|P3233	1	2	2
sp|P32340	sp|P32340	13	13	13	>sp|P3234	1	13	13
sp|P32352	sp|P32352	2	2	2	>sp|P3235	1	2	2
sp|P32353	sp|P32353	3	3	3	>sp|P3235	1	3	3
sp|P32366	sp|P32366	10	10	10	>sp|P3236	1	10	10
sp|P32368	sp|P32368	17	17	17	>sp|P3236	1	17	17
sp|P32378	sp|P32378	1	1	1	>sp|P3237	1	1	1
sp|P32386	sp|P32386	15;1	15;1	15;1	>sp|P3238	2	15	15
sp|P32476	sp|P32476	1	1	1	>sp|P3247	1	1	1
sp|P32563	sp|P32563	23	23	23	>sp|P3256	1	23	23
sp|P32568	sp|P32568	3	3	3	>sp|P3256	1	3	3
sp|P32799	sp|P32799	2	2	2	>sp|P3279	1	2	2
sp|P32803	sp|P32803	2	2	2	>sp|P3280	1	2	2
sp|P32843	sp|P32843	3	3	3	>sp|P3284	1	3	3
sp|P32891	sp|P32891	4	4	4	>sp|P3289	1	4	4
sp|P32897	sp|P32897	5	5	5	>sp|P3289	1	5	5
sp|P32915	sp|P32915	3	3	3	>sp|P3291	1	3	3
sp|P33310	sp|P33310	1	1	1	>sp|P3331	1	1	1
sp|P33311	sp|P33311	2	2	2	>sp|P3331	1	2	2
sp|P33333	sp|P33333	1	1	1	>sp|P3333	1	1	1
sp|P33421	sp|P33421	3	3	3	>sp|P3342	1	3	3
sp|P33767	sp|P33767	10	10	10	>sp|P3376	1	10	10
sp|P33775	sp|P33775	5	5	5	>sp|P3377	1	5	5
sp|P34248	sp|P34248	3	3	3	>sp|P3424	1	3	3
sp|P35179	sp|P35179	1	1	1	>sp|P3517	1	1	1
sp|P35180	sp|P35180	4	4	4	>sp|P3518	1	4	4
sp|P35191	sp|P35191	2	2	2	>sp|P3519	1	2	2
sp|P35206	sp|P35206	1	1	1	>sp|P3520	1	1	1
sp|P35723	sp|P35723	4	4	4	>sp|P3572	1	4	4
sp|P36060	sp|P36060	7	7	7	>sp|P3606	1	7	7
sp|P36112	sp|P36112	10	10	10	>sp|P3611	1	10	10
sp|P36147	sp|P36147	3	3	3	>sp|P3614	1	3	3
sp|P36148	sp|P36148	3	3	3	>sp|P3614	1	3	3
sp|P37292	sp|P37292	1	1	1	>sp|P3729	1	1	1
sp|P37298	sp|P37298	3	3	3	>sp|P3729	1	3	3
sp|P37299	sp|P37299	3	3	3	>sp|P3729	1	3	3
sp|P38077	sp|P38077	17	17	17	>sp|P3807	1	17	17
sp|P38244	sp|P38244	7	7	7	>sp|P3824	1	7	7
sp|P38248	sp|P38248	3	3	3	>sp|P3824	1	3	3
sp|P38264	sp|P38264	8	8	8	>sp|P3826	1	8	8
sp|P38286	sp|P38286	3	3	3	>sp|P3828	1	3	3
sp|P38325	sp|P38325	1	1	1	>sp|P3832	1	1	1
sp|P38353	sp|P38353	3	3	3	>sp|P3835	1	3	3
sp|P38626	sp|P38626	10	10	10	>sp|P3862	1	10	10
sp|P38631	sp|P38631	7;3	7;3	7;3	>sp|P3863	2	7	7
sp|P38694	sp|P38694	8	8	8	>sp|P3869	1	8	8
sp|P38720	sp|P38720	1	1	1	>sp|P3872	1	1	1
sp|P38875	sp|P38875	3	3	3	>sp|P3887	1	3	3

sp|P38885	sp|P38885	2	2	2	>sp|P3888	1	2	2
sp|P38891	sp|P38891	2;1	2;1	2;1	>sp|P3889	2	2	2
sp|P38929	sp|P38929	2	2	2	>sp|P3892	1	2	2
sp|P38988	sp|P38988	2	2	2	>sp|P3898	1	2	2
sp|P39004	sp|P39004	5;5;1;1;1	5;5;1;1;1	5;5;1;1;1	>sp|P3900	5	5	5
sp|P39007	sp|P39007	2	2	2	>sp|P3900	1	2	2
sp|P39012	sp|P39012	4	4	4	>sp|P3901	1	4	4
sp|P39105	sp|P39105	1	1	1	>sp|P3910	1	1	1
sp|P39109	sp|P39109	7	7	7	>sp|P3910	1	7	7
sp|P39522	sp|P39522	2	2	2	>sp|P3952	1	2	2
sp|P39540	sp|P39540	1	1	1	>sp|P3954	1	1	1
sp|P39685	sp|P39685	2	2	2	>sp|P3968	1	2	2
sp|P39704	sp|P39704	2;1	2;1	2;1	>sp|P3970	2	2	2
sp|P39727	sp|P39727	2	2	2	>sp|P3972	1	2	2
sp|P39742	sp|P39742	1	1	1	>sp|P3974	1	1	1
sp|P39925	sp|P39925	2	1	1	>sp|P3992	1	2	1
sp|P39952	sp|P39952	3	3	3	>sp|P3995	1	3	3
sp|P39968	sp|P39968	4	4	4	>sp|P3996	1	4	4
sp|P39986	sp|P39986	12	12	12	>sp|P3998	1	12	12
sp|P40008	sp|P40008	1	1	1	>sp|P4000	1	1	1
sp|P40035	sp|P40035	4	4	4	>sp|P4003	1	4	4
sp|P40075	sp|P40075	4	4	4	>sp|P4007	1	4	4
sp|P40086	sp|P40086	5	5	5	>sp|P4008	1	5	5
sp|P40098	sp|P40098	3	3	3	>sp|P4009	1	3	3
sp|P40215	sp|P40215	26	26	26	>sp|P4021	1	26	26
sp|P40318	sp|P40318	2	2	2	>sp|P4031	1	2	2
sp|P40319	sp|P40319	2	2	2	>sp|P4031	1	2	2
sp|P40341	sp|P40341	3	3	2	>sp|P4034	1	3	3
sp|P40354	sp|P40354	1	1	1	>sp|P4035	1	1	1
sp|P40416	sp|P40416	6	6	6	>sp|P4041	1	6	6
sp|P40502	sp|P40502	1	1	1	>sp|P4050	1	1	1
sp|P40548	sp|P40548	1	1	1	>sp|P4054	1	1	1
sp|P41543	sp|P41543	3	3	3	>sp|P4154	1	3	3
sp|P41832	sp|P41832	1	1	1	>sp|P4183	1	1	1
sp|P42949	sp|P42949	2	2	2	>sp|P4294	1	2	2
sp|P43557	sp|P43557	2	2	2	>sp|P4355	1	2	2
sp|P43585	sp|P43585	6	6	6	>sp|P4358	1	6	6
sp|P46367	sp|P46367	12	12	12	>sp|P4636	1	12	12
sp|P46956	sp|P46956	2	2	2	>sp|P4695	1	2	2
sp|P46964	sp|P46964	1	1	1	>sp|P4696	1	1	1
sp|P46971	sp|P46971	5	5	5	>sp|P4697	1	5	5
sp|P47075	sp|P47075	10	10	10	>sp|P4707	1	10	10
sp|P47127	sp|P47127	8	8	8	>sp|P4712	1	8	8
sp|P47131	sp|P47131	1	1	1	>sp|P4713	1	1	1
sp|P47154	sp|P47154	3	3	3	>sp|P4715	1	3	3
sp|P48439	sp|P48439	2	2	2	>sp|P4843	1	2	2
sp|P48837	sp|P48837	1	1	1	>sp|P4883	1	1	1
sp|P49334	sp|P49334	4	4	4	>sp|P4933	1	4	4
sp|P49573	sp|P49573	4	4	4	>sp|P4957	1	4	4
sp|P50085	sp|P50085	4	4	4	>sp|P5008	1	4	4

sp|P50087	sp|P50087	2	2	2	>sp|P5008	1	2	2
sp|P53075	sp|P53075	5	5	5	>sp|P5307	1	5	5
sp|P53154	sp|P53154	1	1	1	>sp|P5315	1	1	1
sp|P53171	sp|P53171	1	1	1	>sp|P5317	1	1	1
sp|P53206	sp|P53206	2	2	2	>sp|P5320	1	2	2
sp|P53337	sp|P53337	1	1	1	>sp|P5333	1	1	1
sp|P53507	sp|P53507	1	1	1	>sp|P5350	1	1	1
sp|P53721	sp|P53721	2	2	2	>sp|P5372	1	2	2
sp|P53723	sp|P53723	2	2	2	>sp|P5372	1	2	2
sp|P53736	sp|P53736	1	1	1	>sp|P5373	1	1	1
sp|P54781	sp|P54781	5	5	5	>sp|P5478	1	5	5
sp|P54783	sp|P54783	11	11	11	>sp|P5478	1	11	11
sp|P54837	sp|P54837	4	4	4	>sp|P5483	1	4	4
sp|P80967	sp|P80967	1	1	1	>sp|P8096	1	1	1
sp|P81450	sp|P81450	4	4	4	>sp|P8145	1	4	4
sp|Q00711	sp|Q00711	12;1	12;1	12;1	>sp|Q0071	2	12	12
sp|Q01532	sp|Q01532	3;3	3;3	3;3	>sp|Q0153	2	3	3
sp|Q01852	sp|Q01852	2	2	2	>sp|Q0185	1	2	2
sp|Q02725	sp|Q02725	8	8	8	>sp|Q0272	1	8	8
sp|Q02776	sp|Q02776	8	8	8	>sp|Q0277	1	8	8
sp|Q02889	sp|Q02889	1	1	1	>sp|Q0288	1	1	1
sp|Q03028	sp|Q03028	6	6	6	>sp|Q0302	1	6	6
sp|Q03103	sp|Q03103	2	2	2	>sp|Q0310	1	2	2
sp|Q03529	sp|Q03529	1	1	1	>sp|Q0352	1	1	1
sp|Q03713	sp|Q03713	4	4	4	>sp|Q0371	1	4	4
sp|Q03798	sp|Q03798	2	2	2	>sp|Q0379	1	2	2
sp|Q04013	sp|Q04013	5	5	5	>sp|Q0401	1	5	5
sp|Q04080	sp|Q04080	3	3	3	>sp|Q0408	1	3	3
sp|Q04172	sp|Q04172	3	3	3	>sp|Q0417	1	3	3
sp|Q04458	sp|Q04458	2	2	2	>sp|Q0445	1	2	2
sp|Q04636	sp|Q04636	1	1	1	>sp|Q0463	1	1	1
sp|Q04697	sp|Q04697	2	2	2	>sp|Q0469	1	2	2
sp|Q04935	sp|Q04935	2	2	2	>sp|Q0493	1	2	2
sp|Q04947	sp|Q04947	9	9	9	>sp|Q0494	1	9	9
sp|Q05359	sp|Q05359	2	2	2	>sp|Q0535	1	2	2
sp|Q06405	sp|Q06405	3	3	3	>sp|Q0640	1	3	3
sp|Q06493	sp|Q06493	1	1	1	>sp|Q0649	1	1	1
sp|Q06538	sp|Q06538	1	1	1	>sp|Q0653	1	1	1
sp|Q06833	sp|Q06833	3	3	3	>sp|Q0683	1	3	3
sp|Q07555	sp|Q07555	1	1	1	>sp|Q0755	1	1	1
sp|Q07914	sp|Q07914	1	1	1	>sp|Q0791	1	1	1
sp|Q08023	sp|Q08023	1	1	1	>sp|Q0802	1	1	1
sp|Q08179	sp|Q08179	7	7	7	>sp|Q0817	1	7	7
sp|Q12029	sp|Q12029	4	4	4	>sp|Q1202	1	4	4
sp|Q12078	sp|Q12078	1	1	1	>sp|Q1207	1	1	1
sp|Q12117	sp|Q12117	1	1	1	>sp|Q1211	1	1	1
sp|Q12165	sp|Q12165	3	3	3	>sp|Q1216	1	3	3
sp|Q12324	sp|Q12324	1	1	1	>sp|Q1232	1	1	1
sp|Q12349	sp|Q12349	3	3	3	>sp|Q1234	1	3	3
sp|Q12374	sp|Q12374	3	3	3	>sp|Q1237	1	3	3

sp|Q1240	sp|Q1240	1	1	1	>sp|Q124(	1	1	1
sp|Q1246	sp|Q1246	1	1	1	>sp|Q124(	1	1	1
sp|Q1248(	sp|Q1248(	1	1	1	>sp|Q124	1	1	1
sp|Q1274	sp|Q1274	1	1	1	>sp|Q127	1	1	1
sp|Q1274	sp|Q1274	1	1	1	>sp|Q127	1	1	1
sp|Q2V2P	sp|Q2V2P	1	1	1	>sp|Q2V2	1	1	1
sp|Q2V2P	sp|Q2V2P	1	1	1	>sp|Q2V2	1	1	1
sp|Q3E77(	sp|Q3E77(	2	2	2	>sp|Q3E7	1	2	2
sp|Q3E7B(	sp|Q3E7B(	2	2	2	>sp|Q3E7	1	2	2
sp|Q3E82	sp|Q3E82	2	2	2	>sp|Q3E8	1	2	2
sp|Q8TGU	sp|Q8TGU	1	1	1	>sp|Q8TG	1	1	1
sp|Q96VH	sp|Q96VH	1	1	1	>sp|Q96V	1	1	1
sp|Q9919(	sp|Q9919(	1	1	1	>sp|Q991	1	1	1
sp|Q9929	sp|Q9929	5	5	5	>sp|Q992	1	5	5
sp|Q9938	sp|Q9938	1	1	1	>sp|Q993	1	1	1

Unique pe	Peptides T	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
4	4	4	4	25,1	25,1	25,1	24,409	231
0	3	1	0	5,9	2,5	0	51,621	472
10	15	15	10	25,9	25,9	19,3	66,017	644
9	12	12	9	23,3	23,3	18,5	59,51	593
9	9	9	9	26,6	26,6	26,6	62,129	623
6	10	8	6	17,4	14,3	11,5	65,865	645
3	3	3	3	5,4	5,4	5,4	282,39	2850
1	1	1	1	0	0	0	111,78	944
1	1	1	1	0	0	0	59,389	517
3	3	3	3	33	33	33	12,182	109
1	1	1	1	8,2	8,2	8,2	17,257	147
10	10	10	10	70,1	70,1	70,1	14,565	127
1	1	1	1	2,1	2,1	2,1	43,655	385
1	1	1	1	3,2	3,2	3,2	58,797	534
6	6	6	6	28,7	28,7	28,7	28,567	251
3	4	4	3	34	34	24,8	17,14	153
6	6	6	6	43,9	43,9	43,9	17,341	148
1	1	1	1	2,6	2,6	2,6	54,544	500
4	4	4	4	14,7	14,7	14,7	44,738	416
31	31	31	31	76,9	76,9	76,9	54,793	511
2	2	2	2	9,3	9,3	9,3	29,099	259
7	7	7	7	19,2	19,2	19,2	53,359	479
1	1	1	1	11,5	11,5	11,5	14,237	131
2	2	2	2	7,1	7,1	7,1	47,972	437
12	12	12	12	33,4	33,4	33,4	50,032	458
2	2	2	2	18,7	18,7	18,7	17,142	155
1	1	1	1	12,8	12,8	12,8	8,9066	78
4	4	4	4	10	10	10	57,944	528
3	5	3	3	10,7	6,1	6,1	34,12	309
24	24	24	24	95,1	95,1	95,1	30,428	283
1	1	1	1	6,8	6,8	6,8	13,989	132
11	11	11	11	15,9	15,9	15,9	99,618	918
12	12	12	12	40,2	40,2	40,2	26,925	244
2	2	2	2	14,1	14,1	14,1	14,554	128
6	6	6	6	20,8	20,8	20,8	44,368	395
8	8	8	8	52,2	52,2	52,2	23,152	209
10	10	10	10	39,2	39,2	39,2	34,054	309
10	10	10	10	27,1	27,1	27,1	70,122	617
35	35	35	35	58,3	58,3	58,3	58,607	545
3	3	3	3	33,9	33,9	33,9	6,9631	59
22	22	22	22	60,6	60,6	60,6	50,227	457
27	27	27	27	74,5	74,5	74,5	40,478	368
5	5	5	5	18,8	18,8	18,8	44,498	405
2	2	2	2	12,1	12,1	12,1	23,505	215
5	5	5	5	32,1	32,1	32,1	23,365	215
2	2	2	2	4,9	4,9	4,9	53,151	488
1	1	1	1	4,6	4,6	4,6	42,385	366
1	1	1	1	3,6	3,6	3,6	30,804	276
5	5	5	5	22,8	22,8	22,8	37,209	329

5	5	5	5	64,9	64,9	64,9	10,974	94
12	12	12	12	61,3	61,3	61,3	22,814	212
5	5	5	5	14,8	14,8	14,8	54,009	499
1	1	1	1	9,4	9,4	9,4	9,3609	85
6	6	6	6	17,4	17,4	17,4	60,719	530
1	1	1	1	8,3	8,3	8,3	20,657	181
5	5	5	5	12,9	12,9	12,9	63,003	566
16	16	16	16	29,6	29,6	29,6	63,625	574
9	9	9	9	40,1	40,1	40,1	30,362	267
8	8	8	8	16,7	16,7	16,7	75,344	663
1	1	1	1	10,2	10,2	10,2	18,762	167
1	1	1	1	1,9	1,9	1,9	74,467	682
3	3	3	3	8,4	8,4	8,4	44,58	393
7	7	7	7	32,3	32,3	32,3	44,596	393
10	10	10	10	10,6	10,6	10,6	118,64	1071
4	4	4	4	18,6	18,6	18,6	35,65	334
3	3	3	3	25,9	25,9	25,9	15,861	143
18	20	20	18	51,9	51,9	47,5	34,426	318
2	2	2	2	11	11	11	21,322	191
7	7	7	7	11,4	11,4	11,4	85,367	778
25	25	25	25	48,3	48,3	48,3	60,751	572
1	1	1	1	1,5	1,5	1,5	68,875	605
2	2	2	2	10,6	10,6	10,6	48,344	442
6	6	6	6	10,8	10,8	10,8	58,402	510
6	6	6	6	91,9	91,9	91,9	6,7425	62
4	4	4	4	7,2	7,2	7,2	78,736	704
11	11	11	11	35,3	35,3	35,3	30,231	266
4	4	4	4	11,9	11,9	11,9	48,19	428
17	17	17	17	69,8	69,8	69,8	32,812	311
10	10	10	10	42,9	42,9	42,9	42,038	387
3	3	3	3	9	9	9	62,206	558
3	3	3	3	12,8	12,8	12,8	43,43	383
3	3	3	3	6,1	6,1	6,1	56,039	473
3	3	3	3	12,7	12,7	12,7	37,024	322
2	2	2	2	12,6	12,6	12,6	26,35	247
2	2	2	2	1,8	1,8	1,8	114,08	1065
2	2	2	2	2,4	2,4	2,4	117,23	1049
1	1	1	1	3,4	3,4	3,4	54,466	497
2	2	2	2	6,9	6,9	6,9	39,301	360
1	1	1	1	11,2	11,2	11,2	16,35	160
2	2	2	2	2,9	2,9	2,9	87,18	760
3	3	3	3	3,3	3,3	3,3	107,88	953
12	12	12	12	39,6	39,6	39,6	39,739	369
10	10	10	10	35	35	35	39,324	360
4	4	4	4	8,6	8,6	8,6	51,719	444
9	9	9	9	18,4	18,4	18,4	77,865	700
16	16	16	16	77,6	77,6	77,6	19,809	174
12	12	12	12	21,5	21,5	21,5	86,869	759
13	13	13	13	25,9	25,9	25,9	72,388	649
1	1	1	1	2,8	2,8	2,8	58,264	509

1	1	1	1	1,7	1,7	1,7	93,288	842
1	1	1	1	2,6	2,6	2,6	33,375	307
2	2	2	2	4,4	4,4	4,4	50,88	436
13	13	13	13	34,3	34,3	34,3	57,249	513
2	2	2	2	11,7	11,7	11,7	24,895	222
3	3	3	3	8,8	8,8	8,8	42,73	365
10	10	10	10	36,2	36,2	36,2	39,79	345
17	17	17	17	38	38	38	71,124	623
1	1	1	1	2,7	2,7	2,7	41,001	372
15	15	15	15	11,4	11,4	11,4	189,16	1661
1	1	1	1	2,2	2,2	2,2	55,125	496
23	23	23	23	29,6	29,6	29,6	95,528	840
3	3	3	3	2,2	2,2	2,2	168,76	1501
2	2	2	2	15,5	15,5	15,5	15,021	129
2	2	2	2	12,8	12,8	12,8	23,332	203
3	3	3	3	5,3	5,3	5,3	96,687	850
4	4	4	4	11,1	11,1	11,1	65,292	587
5	5	5	5	41	41	41	23,243	222
3	3	3	3	6,2	6,2	6,2	52,936	480
1	1	1	1	4	4	4	75,949	695
2	2	2	2	3,2	3,2	3,2	85,136	773
1	1	1	1	3,3	3,3	3,3	33,887	303
3	3	3	3	13,6	13,6	13,6	22,068	198
10	10	10	10	31,9	31,9	31,9	49,391	430
5	5	5	5	9,4	9,4	9,4	92,674	817
3	3	3	3	6,5	6,5	6,5	67,524	587
1	1	1	1	12,5	12,5	12,5	8,9435	80
4	4	4	4	35,5	35,5	35,5	20,317	183
2	2	2	2	6,3	6,3	6,3	55,56	511
1	1	1	1	3,2	3,2	3,2	45,442	410
4	4	4	4	28,2	28,2	28,2	23,459	206
7	7	7	7	28,1	28,1	28,1	34,137	302
10	10	10	10	21,9	21,9	21,9	61,081	540
3	3	3	3	20,3	20,3	20,3	21,968	197
3	3	3	3	6,6	6,6	6,6	83,644	743
1	1	1	1	2,2	2,2	2,2	53,686	490
3	3	3	3	24,3	24,3	24,3	20,248	181
3	3	3	3	44,2	44,2	44,2	8,5928	77
17	17	17	17	55,6	55,6	55,6	34,35	311
7	7	7	7	9,9	9,9	9,9	111,03	976
3	3	3	3	9,3	9,3	9,3	43,768	429
8	8	8	8	44,1	44,1	44,1	21,137	188
3	3	3	3	11,8	11,8	11,8	38,708	347
1	1	1	1	13,4	13,4	13,4	14,609	134
3	3	3	3	10,4	10,4	10,4	53,311	490
10	10	10	10	47,2	47,2	47,2	31,493	284
7	7	7	7	5,8	5,8	5,8	214,85	1876
8	8	8	8	16,6	16,6	16,6	71,32	644
1	1	1	1	2,9	2,9	2,9	53,543	489
3	3	3	3	6,1	6,1	6,1	68,771	610

2	2	2	2	9,7	9,7	9,7	34,113	310
2	2	2	2	7,6	7,6	7,6	43,596	393
2	2	2	2	2	2	2	130,86	1173
2	2	2	2	8,3	8,3	8,3	33,215	300
5	5	5	5	12,5	12,5	12,5	62,734	570
2	2	2	2	3,9	3,9	3,9	81,528	718
4	4	4	4	7,2	7,2	7,2	69,22	614
1	1	1	1	1,7	1,7	1,7	71,667	664
7	7	7	7	6,4	6,4	6,4	171,12	1515
2	2	2	2	3,9	3,9	3,9	62,86	585
1	1	1	1	4,2	4,2	4,2	36,233	310
2	2	2	2	2,2	2,2	2,2	151,65	1337
2	2	2	2	15,8	15,8	15,8	24,063	215
2	2	2	2	5,8	5,8	5,8	46,235	415
1	1	1	1	5,7	5,7	5,7	21,607	193
1	2	1	1	3	1,4	1,4	84,543	761
3	3	3	3	11,2	11,2	11,2	44,815	402
4	4	4	4	9	9	9	63,207	578
12	12	12	12	13,1	13,1	13,1	135,27	1215
1	1	1	1	4,3	4,3	4,3	25,086	231
4	4	4	4	15	15	15	33,528	300
4	4	4	4	21,3	21,3	21,3	26,925	244
5	5	5	5	11,9	11,9	11,9	54,658	486
3	3	3	3	11,9	11,9	11,9	27,698	244
26	26	26	26	47,5	47,5	47,5	62,773	560
2	2	2	2	1,7	1,7	1,7	151,45	1319
2	2	2	2	10,4	10,4	10,4	39,465	345
2	3	3	2	4,5	4,5	3	93,275	825
1	1	1	1	1,8	1,8	1,8	51,896	457
6	6	6	6	11,9	11,9	11,9	77,521	690
1	1	1	1	14,6	14,6	14,6	16,923	157
1	1	1	1	10,7	10,7	10,7	18,306	159
3	3	3	3	11,8	11,8	11,8	54,071	476
1	1	1	1	0,7	0,7	0,7	219,67	1953
2	2	2	2	10,1	10,1	10,1	16,216	149
2	2	2	2	12,1	12,1	12,1	24,018	207
6	6	6	6	8,3	8,3	8,3	95,44	828
12	12	12	12	33,1	33,1	33,1	56,723	519
2	2	2	2	9,3	9,3	9,3	34,881	311
1	1	1	1	13,1	13,1	13,1	14,697	130
5	5	5	5	8,7	8,7	8,7	87,965	762
10	10	10	10	15,4	15,4	15,4	83,154	721
8	8	8	8	27,4	27,4	27,4	44,427	394
1	1	1	1	20	20	20	11,25	105
3	3	3	3	8,2	8,2	8,2	52,323	453
2	2	2	2	6,3	6,3	6,3	39,483	350
1	1	1	1	2,2	2,2	2,2	57,498	541
4	4	4	4	38,8	38,8	38,8	16,79	152
4	4	4	4	10,1	10,1	10,1	44,441	406
4	4	4	4	16,8	16,8	16,8	34,406	310

2	2	2	2	14,6	14,6	14,6	26,912	233
5	5	5	5	9,2	9,2	9,2	66,862	577
1	1	1	1	1,8	1,8	1,8	65,339	560
1	1	1	1	5,6	5,6	5,6	32,959	287
2	2	2	2	7,1	7,1	7,1	42,8	393
1	1	1	1	3,9	3,9	3,9	35,012	310
1	1	1	1	21,7	21,7	21,7	6,8699	60
2	2	2	2	5,8	5,8	5,8	25,344	224
2	2	2	2	5,9	5,9	5,9	47,093	404
1	1	1	1	7,4	7,4	7,4	28,636	256
5	5	5	5	11,3	11,3	11,3	61,334	538
11	11	11	11	26,6	26,6	26,6	59,493	526
4	4	4	4	26,1	26,1	26,1	24,106	211
1	1	1	1	30	30	30	5,9849	50
4	4	4	4	55,9	55,9	55,9	6,6877	59
12	12	12	12	30	30	30	70,229	640
3	3	3	3	9,3	9,3	9,3	52,088	454
2	2	2	2	6	6	6	48,854	431
8	8	8	8	10,5	10,5	10,5	96,552	835
8	8	8	8	21,4	21,4	21,4	55,098	476
1	1	1	1	16,8	16,8	16,8	12,252	113
6	6	6	6	19	19	19	34,206	310
2	2	2	2	4,8	4,8	4,8	65,032	563
1	1	1	1	3,9	3,9	3,9	44,881	384
4	4	4	4	22,6	22,6	22,6	18,477	159
2	2	2	2	11	11	11	29,076	255
5	5	5	5	20,1	20,1	20,1	34,184	314
3	3	3	3	6,4	6,4	6,4	60,813	534
3	3	3	3	6,1	6,1	6,1	53,57	456
2	2	2	2	6	6	6	59,978	532
1	1	1	1	1,3	1,3	1,3	62,993	552
2	2	2	2	5,5	5,5	5,5	45,869	403
2	2	2	2	10,2	10,2	10,2	23,758	205
9	9	9	9	31,5	31,5	31,5	32,916	295
2	2	2	2	9,6	9,6	9,6	24,723	219
3	3	3	3	20,8	20,8	20,8	11,312	101
1	1	1	1	3,1	3,1	3,1	52,174	454
1	1	1	1	1,7	1,7	1,7	89,342	782
3	3	3	3	4,8	4,8	4,8	87,323	770
1	1	1	1	3,1	3,1	3,1	32,916	291
1	1	1	1	8,9	8,9	8,9	17,91	168
1	1	1	1	2,6	2,6	2,6	66,689	583
7	7	7	7	19,9	19,9	19,9	65,004	573
4	4	4	4	15,6	15,6	15,6	35,414	327
1	1	1	1	3,8	3,8	3,8	51,775	473
1	1	1	1	5,3	5,3	5,3	36,19	320
3	3	3	3	45	45	45	17,02	160
1	1	1	1	1,6	1,6	1,6	77,952	675
3	3	3	3	62,1	62,1	62,1	14,128	124
3	3	3	3	7	7	7	70,861	616

1	1	1	1	4,4	4,4	4,4	20,269	180
1	1	1	1	5,5	5,5	5,5	26,875	236
1	1	1	1	5,8	5,8	5,8	36,802	344
1	1	1	1	5,3	5,3	5,3	38,13	341
1	1	1	1	1,8	1,8	1,8	84,251	733
1	1	1	1	13,7	13,7	13,7	8,1644	73
1	1	1	1	16,7	16,7	16,7	7,4516	66
2	2	2	2	20,8	20,8	20,8	13,741	120
2	2	2	2	13,7	13,7	13,7	8,381	73
2	2	2	2	15,6	15,6	15,6	9,6176	90
1	1	1	1	14,7	14,7	14,7	7,759	68
1	1	1	1	11,3	11,3	11,3	10,408	97
1	1	1	1	3,2	3,2	3,2	36,767	310
5	5	5	5	23,8	23,8	23,8	34,007	307
1	1	1	1	2,7	2,7	2,7	44,646	411

Sequence l	Q-value	Sequence (	Intensity	Intensity T	iBAQ	iBAQ TM_I	LFQ intens	MS/MS Co
231	0	25,1	7,38E+06	7,38E+06	6,71E+05	6,71E+05	7,38E+06	3
472;473	0,007843	5,9	2,69E+06	2,69E+06	9,26E+04	9,26E+04	2,69E+06	2
644;580;6(	0	25,9	3,18E+07	3,18E+07	1,03E+06	1,03E+06	3,18E+07	14
593;570;4:	0	23,3	2,55E+07	2,55E+07	9,82E+05	9,82E+05	2,55E+07	12
623	0	26,6	8,00E+06	8,00E+06	3,08E+05	3,08E+05	8,00E+06	7
645;564;5(	0	17,4	2,12E+07	2,12E+07	5,43E+05	5,43E+05	2,12E+07	10
2850	0	5,4	6,74E+05	6,74E+05	7,93E+03	7,93E+03	6,74E+05	4
944	0,003984	0	6,84E+07	6,84E+07	NaN	NaN	6,84E+07	1
517	0,007905	0	2,35E+06	2,35E+06	NaN	NaN	2,35E+06	1
109;113	0	33	2,93E+06	2,93E+06	4,89E+05	4,89E+05	2,93E+06	1
147	0	8,2	3,70E+06	3,70E+06	6,16E+05	6,16E+05	3,70E+06	1
127	0	70,1	8,78E+07	8,78E+07	1,10E+07	1,10E+07	8,78E+07	10
385;423;5:	0,007874	2,1	3,37E+06	3,37E+06	6,74E+05	6,74E+05	3,37E+06	1
534	0	3,2	6,14E+06	6,14E+06	7,67E+05	7,67E+05	6,14E+06	1
251	0	28,7	6,07E+06	6,07E+06	7,59E+05	7,59E+05	6,07E+06	8
153	0	34	5,30E+06	5,30E+06	6,63E+05	6,63E+05	5,30E+06	2
148	0	43,9	5,53E+06	5,53E+06	5,53E+05	5,53E+05	5,53E+06	8
500	0	2,6	6,21E+05	6,21E+05	2,22E+04	2,22E+04	6,21E+05	1
416	0	14,7	1,88E+06	1,88E+06	6,97E+04	6,97E+04	1,88E+06	3
511	0	76,9	1,72E+09	1,72E+09	6,36E+07	6,36E+07	1,72E+09	64
259	0	9,3	2,93E+06	2,93E+06	9,76E+05	9,76E+05	2,93E+06	1
479	0	19,2	1,11E+07	1,11E+07	4,45E+05	4,45E+05	1,11E+07	6
131;131	0	11,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
437	0	7,1	8,09E+05	8,09E+05	3,37E+04	3,37E+04	8,09E+05	1
458	0	33,4	2,90E+07	2,90E+07	1,32E+06	1,32E+06	2,90E+07	11
155	0	18,7	2,22E+06	2,22E+06	2,78E+05	2,78E+05	2,22E+06	2
78	0	12,8	3,31E+06	3,31E+06	8,27E+05	8,27E+05	3,31E+06	1
528	0	10	2,38E+06	2,38E+06	9,51E+04	9,51E+04	2,38E+06	3
309	0	10,7	1,31E+08	1,31E+08	6,89E+06	6,89E+06	1,31E+08	7
283	0	95,1	1,10E+09	1,10E+09	6,88E+07	6,88E+07	1,10E+09	36
132;132	0	6,8	2,98E+05	2,98E+05	5,96E+04	5,96E+04	2,98E+05	1
918;947	0	15,9	1,37E+08	1,37E+08	4,56E+06	4,56E+06	1,37E+08	10
244	0	40,2	1,38E+08	1,38E+08	9,87E+06	9,87E+06	1,38E+08	20
128;128;1:	0	14,1	6,79E+06	6,79E+06	1,13E+06	1,13E+06	6,79E+06	4
395	0	20,8	6,32E+06	6,32E+06	3,32E+05	3,32E+05	6,32E+06	6
209	0	52,2	1,06E+07	1,06E+07	1,06E+06	1,06E+06	1,06E+07	9
309	0	39,2	6,57E+07	6,57E+07	5,97E+06	5,97E+06	6,57E+07	10
617	0	27,1	1,12E+07	1,12E+07	3,39E+05	3,39E+05	1,12E+07	11
545	0	58,3	1,59E+09	1,59E+09	5,28E+07	5,28E+07	1,59E+09	57
59	0	33,9	7,60E+06	7,60E+06	2,53E+06	2,53E+06	7,60E+06	3
457	0	60,6	2,18E+08	2,18E+08	9,47E+06	9,47E+06	2,18E+08	34
368	0	74,5	3,07E+08	3,07E+08	1,46E+07	1,46E+07	3,07E+08	41
405	0	18,8	5,47E+06	5,47E+06	3,65E+05	3,65E+05	5,47E+06	5
215	0	12,1	2,21E+06	2,21E+06	1,58E+05	1,58E+05	2,21E+06	2
215	0	32,1	6,36E+06	6,36E+06	6,36E+05	6,36E+05	6,36E+06	4
488	0	4,9	1,07E+06	1,07E+06	4,46E+04	4,46E+04	1,07E+06	1
366	0	4,6	4,36E+05	4,36E+05	2,29E+04	2,29E+04	4,36E+05	1
276	0	3,6	3,92E+05	3,92E+05	3,92E+04	3,92E+04	3,92E+05	1
329	0	22,8	4,57E+06	4,57E+06	2,54E+05	2,54E+05	4,57E+06	5

94	0	64,9	3,94E+06	3,94E+06	6,57E+05	6,57E+05	3,94E+06	4
212	0	61,3	2,50E+08	2,50E+08	2,09E+07	2,09E+07	2,50E+08	19
499	0	14,8	1,68E+06	1,68E+06	5,99E+04	5,99E+04	1,68E+06	2
85	0	9,4	1,47E+06	1,47E+06	1,47E+06	1,47E+06	1,47E+06	1
530	0	17,4	3,28E+06	3,28E+06	1,26E+05	1,26E+05	3,28E+06	4
181;181	0,007813	8,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
566	0	12,9	9,13E+05	9,13E+05	3,51E+04	3,51E+04	9,13E+05	3
574	0	29,6	1,29E+08	1,29E+08	6,15E+06	6,15E+06	1,29E+08	19
267	0	40,1	7,15E+06	7,15E+06	4,77E+05	4,77E+05	7,15E+06	7
663	0	16,7	5,07E+06	5,07E+06	1,69E+05	1,69E+05	5,07E+06	8
167	0	10,2	6,98E+05	6,98E+05	8,72E+04	8,72E+04	6,98E+05	1
682	0,003968	1,9	7,95E+05	7,95E+05	2,41E+04	2,41E+04	7,95E+05	1
393	0	8,4	4,11E+05	4,11E+05	1,87E+04	1,87E+04	4,11E+05	2
393	0	32,3	9,21E+06	9,21E+06	4,85E+05	4,85E+05	9,21E+06	6
1071	0	10,6	1,17E+07	1,17E+07	1,88E+05	1,88E+05	1,17E+07	10
334	0	18,6	4,50E+06	4,50E+06	2,81E+05	2,81E+05	4,50E+06	4
143	0	25,9	1,58E+06	1,58E+06	1,98E+05	1,98E+05	1,58E+06	3
318;307	0	51,9	5,13E+08	5,13E+08	2,70E+07	2,70E+07	5,13E+08	19
191	0	11	1,66E+06	1,66E+06	2,76E+05	2,76E+05	1,66E+06	2
778	0	11,4	7,63E+06	7,63E+06	1,91E+05	1,91E+05	7,63E+06	7
572	0	48,3	4,02E+07	4,02E+07	1,26E+06	1,26E+06	4,02E+07	24
605	1	1,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
442	0	10,6	1,67E+06	1,67E+06	1,86E+05	1,86E+05	1,67E+06	2
510	0	10,8	2,84E+06	2,84E+06	1,42E+05	1,42E+05	2,84E+06	3
62	0	91,9	3,21E+07	3,21E+07	8,02E+06	8,02E+06	3,21E+07	6
704	0	7,2	1,58E+06	1,58E+06	3,59E+04	3,59E+04	1,58E+06	4
266	0	35,3	3,51E+07	3,51E+07	2,20E+06	2,20E+06	3,51E+07	11
428;412;42	0	11,9	4,79E+06	4,79E+06	2,08E+05	2,08E+05	4,79E+06	6
311	0	69,8	2,36E+08	2,36E+08	1,47E+07	1,47E+07	2,36E+08	22
387	0	42,9	4,89E+07	4,89E+07	3,26E+06	3,26E+06	4,89E+07	11
558	0	9	1,18E+06	1,18E+06	5,63E+04	5,63E+04	1,18E+06	2
383	0	12,8	1,84E+06	1,84E+06	8,37E+04	8,37E+04	1,84E+06	4
473	0	6,1	2,49E+06	2,49E+06	1,38E+05	1,38E+05	2,49E+06	3
322	0	12,7	1,30E+06	1,30E+06	7,62E+04	7,62E+04	1,30E+06	3
247	0	12,6	3,44E+05	3,44E+05	2,15E+04	2,15E+04	3,44E+05	1
1065	0	1,8	9,39E+05	9,39E+05	2,85E+04	2,85E+04	9,39E+05	2
1049	0	2,4	1,17E+06	1,17E+06	2,71E+04	2,71E+04	1,17E+06	2
497	0	3,4	5,36E+05	5,36E+05	2,15E+04	2,15E+04	5,36E+05	1
360	0	6,9	1,61E+06	1,61E+06	8,06E+04	8,06E+04	1,61E+06	2
160	0	11,2	2,03E+06	2,03E+06	4,06E+05	4,06E+05	2,03E+06	1
760	0	2,9	1,18E+06	1,18E+06	4,72E+04	4,72E+04	1,18E+06	2
953	0	3,3	1,55E+06	1,55E+06	4,84E+04	4,84E+04	1,55E+06	2
369	0	39,6	1,87E+07	1,87E+07	1,56E+06	1,56E+06	1,87E+07	14
360	0	35	1,41E+07	1,41E+07	7,40E+05	7,40E+05	1,41E+07	11
444	0	8,6	3,32E+06	3,32E+06	1,58E+05	1,58E+05	3,32E+06	3
700	0	18,4	1,35E+07	1,35E+07	3,54E+05	3,54E+05	1,35E+07	8
174	0	77,6	2,23E+08	2,23E+08	2,23E+07	2,23E+07	2,23E+08	18
759;753	0	21,5	2,66E+07	2,66E+07	7,39E+05	7,39E+05	2,66E+07	10
649	0	25,9	1,13E+07	1,13E+07	2,83E+05	2,83E+05	1,13E+07	12
509	0	2,8	3,06E+05	3,06E+05	1,22E+04	1,22E+04	3,06E+05	1

842	0,007752	1,7	4,61E+05	4,61E+05	1,00E+04	1,00E+04	4,61E+05	1
307	1	2,6	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
436	0	4,4	3,87E+05	3,87E+05	1,49E+04	1,49E+04	3,87E+05	1
513	0	34,3	1,80E+07	1,80E+07	7,19E+05	7,19E+05	1,80E+07	15
222	0	11,7	1,69E+06	1,69E+06	4,22E+05	4,22E+05	1,69E+06	2
365	0	8,8	2,24E+06	2,24E+06	1,60E+05	1,60E+05	2,24E+06	2
345	0	36,2	1,18E+07	1,18E+07	7,35E+05	7,35E+05	1,18E+07	10
623	0	38	2,02E+07	2,02E+07	5,62E+05	5,62E+05	2,02E+07	21
372	0	2,7	3,46E+05	3,46E+05	3,46E+04	3,46E+04	3,46E+05	1
1661;1592	0	11,4	1,05E+07	1,05E+07	1,30E+05	1,30E+05	1,05E+07	14
496	0	2,2	9,74E+05	9,74E+05	3,90E+04	3,90E+04	9,74E+05	1
840	0	29,6	4,50E+07	4,50E+07	1,36E+06	1,36E+06	4,50E+07	24
1501	0	2,2	5,80E+05	5,80E+05	8,17E+03	8,17E+03	5,80E+05	3
129	0	15,5	7,47E+05	7,47E+05	8,31E+04	8,31E+04	7,47E+05	1
203	0	12,8	6,77E+06	6,77E+06	5,64E+05	5,64E+05	6,77E+06	2
850	0	5,3	1,41E+06	1,41E+06	2,82E+04	2,82E+04	1,41E+06	3
587	0	11,1	3,40E+06	3,40E+06	1,36E+05	1,36E+05	3,40E+06	4
222	0	41	5,61E+06	5,61E+06	6,24E+05	6,24E+05	5,61E+06	4
480	0	6,2	3,13E+06	3,13E+06	1,84E+05	1,84E+05	3,13E+06	3
695	0	4	6,37E+05	6,37E+05	1,99E+04	1,99E+04	6,37E+05	2
773	0	3,2	5,56E+05	5,56E+05	1,59E+04	1,59E+04	5,56E+05	2
303	0	3,3	6,02E+05	6,02E+05	3,34E+04	3,34E+04	6,02E+05	1
198	0	13,6	9,91E+06	9,91E+06	8,26E+05	8,26E+05	9,91E+06	3
430	0	31,9	8,27E+06	8,27E+06	4,14E+05	4,14E+05	8,27E+06	12
817	0	9,4	8,38E+06	8,38E+06	2,70E+05	2,70E+05	8,38E+06	5
587	0	6,5	2,79E+06	2,79E+06	1,55E+05	1,55E+05	2,79E+06	3
80	0	12,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
183	0	35,5	3,09E+06	3,09E+06	3,09E+05	3,09E+05	3,09E+06	3
511	0	6,3	3,48E+05	3,48E+05	1,24E+04	1,24E+04	3,48E+05	0
410	0	3,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
206	0	28,2	4,70E+06	4,70E+06	5,22E+05	5,22E+05	4,70E+06	4
302	0	28,1	5,55E+06	5,55E+06	3,08E+05	3,08E+05	5,55E+06	6
540	0	21,9	8,49E+06	8,49E+06	3,15E+05	3,15E+05	8,49E+06	10
197	0	20,3	6,06E+06	6,06E+06	8,66E+05	8,66E+05	6,06E+06	3
743	0	6,6	2,17E+06	2,17E+06	5,72E+04	5,72E+04	2,17E+06	3
490	0	2,2	6,93E+05	6,93E+05	2,39E+04	2,39E+04	6,93E+05	1
181	0	24,3	4,54E+06	4,54E+06	5,05E+05	5,05E+05	4,54E+06	3
77	0	44,2	4,46E+06	4,46E+06	8,92E+05	8,92E+05	4,46E+06	3
311	0	55,6	2,75E+08	2,75E+08	1,53E+07	1,53E+07	2,75E+08	14
976	0	9,9	7,66E+06	7,66E+06	1,87E+05	1,87E+05	7,66E+06	7
429	0	9,3	9,46E+06	9,46E+06	9,46E+05	9,46E+05	9,46E+06	4
188	0	44,1	8,59E+06	8,59E+06	6,14E+05	6,14E+05	8,59E+06	5
347	0	11,8	2,01E+06	2,01E+06	1,25E+05	1,25E+05	2,01E+06	2
134	0	13,4	3,20E+06	3,20E+06	7,99E+05	7,99E+05	3,20E+06	4
490	0	10,4	3,41E+06	3,41E+06	2,01E+05	2,01E+05	3,41E+06	5
284	0	47,2	9,25E+06	9,25E+06	4,87E+05	4,87E+05	9,25E+06	9
1876;1895	0	5,8	3,37E+06	3,37E+06	4,61E+04	4,61E+04	3,37E+06	10
644	0	16,6	3,12E+06	3,12E+06	1,08E+05	1,08E+05	3,12E+06	4
489	0	2,9	2,24E+05	2,24E+05	7,99E+03	7,99E+03	2,24E+05	1
610	0	6,1	3,06E+06	3,06E+06	1,39E+05	1,39E+05	3,06E+06	4

310	0	9,7	1,45E+06	1,45E+06	7,24E+04	7,24E+04	1,45E+06	4
393;376	0	7,6	8,47E+05	8,47E+05	3,85E+04	3,85E+04	8,47E+05	2
1173	0	2	2,04E+05	2,04E+05	3,64E+03	3,64E+03	2,04E+05	1
300	0	8,3	1,02E+06	1,02E+06	5,67E+04	5,67E+04	1,02E+06	2
570;570;5(	0	12,5	6,81E+06	6,81E+06	3,40E+05	3,40E+05	6,81E+06	4
718	0	3,9	1,68E+06	1,68E+06	5,10E+04	5,10E+04	1,68E+06	3
614	0	7,2	8,21E+05	8,21E+05	3,73E+04	3,73E+04	8,21E+05	1
664	0,007782	1,7	2,54E+05	2,54E+05	1,21E+04	1,21E+04	2,54E+05	1
1515	0	6,4	4,24E+06	4,24E+06	5,58E+04	5,58E+04	4,24E+06	6
585	0	3,9	7,09E+05	7,09E+05	2,53E+04	2,53E+04	7,09E+05	2
310	0	4,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
1337	0	2,2	7,97E+05	7,97E+05	1,19E+04	1,19E+04	7,97E+05	2
215;207	0	15,8	1,99E+06	1,99E+06	3,32E+05	3,32E+05	1,99E+06	2
415	0	5,8	7,34E+05	7,34E+05	3,86E+04	3,86E+04	7,34E+05	1
193	0	5,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
761	0	3	2,62E+06	2,62E+06	7,47E+04	7,47E+04	2,62E+06	2
402	0	11,2	1,68E+05	1,68E+05	1,53E+04	1,53E+04	1,68E+05	0
578	0	9	2,58E+06	2,58E+06	1,12E+05	1,12E+05	2,58E+06	3
1215	0	13,1	1,04E+07	1,04E+07	1,70E+05	1,70E+05	1,04E+07	11
231	0	4,3	1,93E+05	1,93E+05	1,29E+04	1,29E+04	1,93E+05	1
300	0	15	2,50E+06	2,50E+06	1,78E+05	1,78E+05	2,50E+06	3
244	0	21,3	2,95E+06	2,95E+06	2,45E+05	2,45E+05	2,95E+06	6
486	0	11,9	6,15E+06	6,15E+06	2,67E+05	2,67E+05	6,15E+06	4
244	0	11,9	7,78E+05	7,78E+05	4,86E+04	4,86E+04	7,78E+05	2
560	0	47,5	1,13E+08	1,13E+08	3,52E+06	3,52E+06	1,13E+08	36
1319	0	1,7	6,68E+05	6,68E+05	1,26E+04	1,26E+04	6,68E+05	2
345	0	10,4	3,44E+06	3,44E+06	2,87E+05	2,87E+05	3,44E+06	2
825	0	4,5	3,39E+06	3,39E+06	7,20E+04	7,20E+04	3,39E+06	3
457	0	1,8	5,21E+05	5,21E+05	2,08E+04	2,08E+04	5,21E+05	1
690	0	11,9	3,67E+06	3,67E+06	1,18E+05	1,18E+05	3,67E+06	6
157	0	14,6	7,18E+05	7,18E+05	1,20E+05	1,20E+05	7,18E+05	3
159	0	10,7	5,29E+05	5,29E+05	6,61E+04	6,61E+04	5,29E+05	2
476	0	11,8	1,66E+06	1,66E+06	1,04E+05	1,04E+05	1,66E+06	4
1953	0	0,7	8,19E+05	8,19E+05	8,35E+03	8,35E+03	8,19E+05	0
149	0	10,1	1,01E+06	1,01E+06	9,21E+04	9,21E+04	1,01E+06	1
207	0	12,1	7,12E+05	7,12E+05	5,48E+04	5,48E+04	7,12E+05	1
828	0	8,3	2,95E+06	2,95E+06	6,28E+04	6,28E+04	2,95E+06	6
519	0	33,1	1,22E+07	1,22E+07	4,06E+05	4,06E+05	1,22E+07	13
311	0	9,3	2,47E+06	2,47E+06	1,54E+05	1,54E+05	2,47E+06	2
130	0	13,1	9,83E+05	9,83E+05	1,64E+05	1,64E+05	9,83E+05	1
762	0	8,7	6,24E+06	6,24E+06	2,40E+05	2,40E+05	6,24E+06	5
721	0	15,4	1,60E+07	1,60E+07	4,45E+05	4,45E+05	1,60E+07	11
394	0	27,4	8,99E+06	8,99E+06	3,60E+05	3,60E+05	8,99E+06	10
105	0	20	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
453	0	8,2	2,26E+06	2,26E+06	1,13E+05	1,13E+05	2,26E+06	3
350	0	6,3	1,77E+06	1,77E+06	1,48E+05	1,48E+05	1,77E+06	2
541	0	2,2	3,03E+05	3,03E+05	1,32E+04	1,32E+04	3,03E+05	1
152	0	38,8	4,32E+06	4,32E+06	6,18E+05	6,18E+05	4,32E+06	4
406	0	10,1	2,49E+07	2,49E+07	1,55E+06	1,55E+06	2,49E+07	6
310	0	16,8	2,28E+06	2,28E+06	1,34E+05	1,34E+05	2,28E+06	5

233	0	14,6	3,96E+05	3,96E+05	3,30E+04	3,30E+04	3,96E+05	1
577	0	9,2	2,75E+06	2,75E+06	1,06E+05	1,06E+05	2,75E+06	4
560	0	1,8	9,88E+05	9,88E+05	3,80E+04	3,80E+04	9,88E+05	1
287	0	5,6	2,42E+05	2,42E+05	1,51E+04	1,51E+04	2,42E+05	1
393	0	7,1	5,70E+05	5,70E+05	2,38E+04	2,38E+04	5,70E+05	2
310	0	3,9	2,86E+05	2,86E+05	2,04E+04	2,04E+04	2,86E+05	1
60	0	21,7	7,73E+05	7,73E+05	2,58E+05	2,58E+05	7,73E+05	1
224	0	5,8	1,27E+06	1,27E+06	1,58E+05	1,58E+05	1,27E+06	2
404	0	5,9	5,02E+05	5,02E+05	2,18E+04	2,18E+04	5,02E+05	1
256	0	7,4	2,81E+05	2,81E+05	2,34E+04	2,34E+04	2,81E+05	2
538	0	11,3	1,67E+06	1,67E+06	5,55E+04	5,55E+04	1,67E+06	5
526	0	26,6	1,44E+07	1,44E+07	4,97E+05	4,97E+05	1,44E+07	10
211	0	26,1	3,37E+06	3,37E+06	3,74E+05	3,74E+05	3,37E+06	4
50	0	30	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
59	0	55,9	2,66E+07	2,66E+07	6,65E+06	6,65E+06	2,66E+07	3
640;634	0	30	2,38E+07	2,38E+07	7,43E+05	7,43E+05	2,38E+07	12
454;483	0	9,3	2,20E+06	2,20E+06	9,18E+04	9,18E+04	2,20E+06	3
431	0	6	4,96E+05	4,96E+05	1,84E+04	1,84E+04	4,96E+05	2
835	0	10,5	5,11E+06	5,11E+06	1,11E+05	1,11E+05	5,11E+06	7
476	0	21,4	6,98E+06	6,98E+06	2,91E+05	2,91E+05	6,98E+06	8
113	0	16,8	1,87E+06	1,87E+06	6,22E+05	6,22E+05	1,87E+06	1
310	0	19	4,16E+06	4,16E+06	2,45E+05	2,45E+05	4,16E+06	4
563	0	4,8	3,87E+05	3,87E+05	1,29E+04	1,29E+04	3,87E+05	1
384	0	3,9	5,31E+05	5,31E+05	3,32E+04	3,32E+04	5,31E+05	1
159	0	22,6	1,20E+06	1,20E+06	1,50E+05	1,50E+05	1,20E+06	2
255	0	11	1,96E+06	1,96E+06	1,15E+05	1,15E+05	1,96E+06	2
314	0	20,1	1,23E+07	1,23E+07	8,79E+05	8,79E+05	1,23E+07	5
534	0	6,4	7,43E+05	7,43E+05	4,37E+04	4,37E+04	7,43E+05	2
456	0	6,1	1,06E+06	1,06E+06	3,92E+04	3,92E+04	1,06E+06	3
532	0	6	2,68E+06	2,68E+06	1,22E+05	1,22E+05	2,68E+06	2
552	0	1,3	3,05E+05	3,05E+05	1,05E+04	1,05E+04	3,05E+05	1
403	0	5,5	3,42E+06	3,42E+06	1,71E+05	1,71E+05	3,42E+06	2
205	0	10,2	1,10E+06	1,10E+06	8,50E+04	8,50E+04	1,10E+06	2
295	0	31,5	2,01E+07	2,01E+07	1,06E+06	1,06E+06	2,01E+07	8
219	0	9,6	2,06E+06	2,06E+06	2,06E+05	2,06E+05	2,06E+06	3
101	0	20,8	1,29E+08	1,29E+08	2,15E+07	2,15E+07	1,29E+08	6
454	0	3,1	7,97E+05	7,97E+05	2,95E+04	2,95E+04	7,97E+05	1
782	0	1,7	4,18E+05	4,18E+05	1,35E+04	1,35E+04	4,18E+05	1
770	0	4,8	3,00E+05	3,00E+05	6,83E+03	6,83E+03	3,00E+05	3
291	0	3,1	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
168	0	8,9	1,61E+06	1,61E+06	4,04E+05	4,04E+05	1,61E+06	2
583	0	2,6	7,03E+05	7,03E+05	2,20E+04	2,20E+04	7,03E+05	1
573	0	19,9	6,92E+06	6,92E+06	2,10E+05	2,10E+05	6,92E+06	5
327	0	15,6	1,98E+06	1,98E+06	1,41E+05	1,41E+05	1,98E+06	2
473	0	3,8	1,06E+06	1,06E+06	7,57E+04	7,57E+04	1,06E+06	1
320	0	5,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
160	0	45	3,49E+06	3,49E+06	4,98E+05	4,98E+05	3,49E+06	4
675	0	1,6	5,51E+05	5,51E+05	2,29E+04	2,29E+04	5,51E+05	1
124	0	62,1	2,65E+07	2,65E+07	3,31E+06	3,31E+06	2,65E+07	5
616	0	7	1,04E+06	1,04E+06	3,36E+04	3,36E+04	1,04E+06	2

180	0	4,4	3,91E+06	3,91E+06	4,88E+05	4,88E+05	3,91E+06	1
236	0	5,5	4,84E+05	4,84E+05	4,03E+04	4,03E+04	4,84E+05	1
344	0	5,8	1,67E+06	1,67E+06	9,26E+04	9,26E+04	1,67E+06	1
341	0	5,3	4,67E+05	4,67E+05	3,11E+04	3,11E+04	4,67E+05	1
733	1	1,8	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
66	0	16,7	8,89E+05	8,89E+05	2,96E+05	2,96E+05	8,89E+05	1
120	0	20,8	1,66E+06	1,66E+06	2,76E+05	2,76E+05	1,66E+06	2
73	0	13,7	1,25E+07	1,25E+07	4,18E+06	4,18E+06	1,25E+07	3
90	0	15,6	2,84E+06	2,84E+06	7,09E+05	7,09E+05	2,84E+06	2
68	0	14,7	2,45E+06	2,45E+06	6,13E+05	6,13E+05	2,45E+06	2
97	1	11,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
310	0	3,2	1,13E+06	1,13E+06	8,05E+04	8,05E+04	1,13E+06	1
307	0	23,8	3,34E+06	3,34E+06	1,96E+05	1,96E+05	3,34E+06	3
411	0,003953	2,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
3			+	0	461;607;69	True;True;	463;610;69	523;695;80
2			+	1	45;558;119	True;False;	45;561;119	52;643;137
14			+	2	13;284;332	True;True;	13;285;333	13;318;369
12			+	3	46;380;558	True;True;	46;382;561	53;428;643
7			+	4	136;304;33	True;True;	137;305;33	153;340;37
10			+	5	82;284;331	True;False;	82;285;332	90;318;368
4			+	6	373;404;97	True;True;	375;406;98	420;421;45
1		+		7	699	True	703	805
1		+		8	573	True	576	658
1				9	416;724;11	True;True;	418;728;11	471;832;12
1				10	54	True	54	61
10				11	31;204;265	True;True;	31;205;266	34;35;231;
1				12	365	True	366	409
1				13	68	True	68	76
8				14	37;285;316	True;True;	37;286;317	41;319;352
2				15	742;825;10	True;True;	746;829;10	851;945;12
8				16	107;192;89	True;True;	108;193;89	119;218;10
1				17	38	True	38	42
3				18	22;48;84;2	True;True;	22;48;84;3	22;55;92;3
64				19	29;100;119	True;True;	29;100;101	30;31;32;1
1				20	41;1213	True;True	41;1219	45;1393;13
6				21	36;66;364;	True;True;	36;66;365;	40;74;408;
0				22	956	True	960	1097
1				23	420;527	True;True	422;529	476;602
11				24	242;314;65	True;True;	243;315;66	273;350;75
2				25	198;648	True;True	199;652	225;746
1				26	133	True	134	150
3				27	175;524;73	True;True;	176;526;73	199;599;83
7				28	370;831;83	True;True;	372;835;83	417;951;95
36				29	42;43;93;1	True;True;	42;43;93;1	46;47;48;4
1				30	27	True	27	28
10				31	551;612;67	True;True;	554;615;68	634;703;78
20				32	156;243;41	True;True;	157;244;42	176;177;27
4				33	238;1052	True;True	239;1057	268;269;12
6				34	3;147;340;	True;True;	3;148;341;	3;166;377;
9				35	247;374;37	True;True;	248;376;37	279;422;42
10				36	5;170;171;	True;True;	5;171;172;	5;193;194;
11				37	47;62;271;	True;True;	47;62;272;	54;69;304;
57				38	71;98;186;	True;True;	71;98;187;	79;107;211
3				39	205;319;10	True;True;	206;320;10	232;356;11
34				40	0;63;64;10	True;True;	0;63;64;10	0;70;71;72
41				41	89;132;150	True;True;	89;133;151	97;148;149
5				42	266;531;82	True;True;	267;533;83	299;609;94
2				43	746;1202	True;True	750;1208	857;1381
4				44	371;529;10	True;True;	373;531;10	418;605;12
1				45	39;944	True;True	39;948	43;1083
1				46	583	True	586	669
1				47	291	True	292	326
5				48	250;627;69	True;True;	251;630;70	282;720;80

4		49	28;345;346	True;True;	28;346;347	29;384;385	
19		50	157;333;38	True;True;	158;334;39	178;179;37	
2		51	449;757;88	True;True;	451;761;88	507;868;10	
1		52	877	True	881	1004	
4		53	40;217;394	True;True;	40;218;396	44;245;448	
0		54	827	True	831	947	
3		55	432;499;56	True;True;	434;501;57	489;568;65	
19		56	24;131;362	True;True;	24;132;363	24;146;147	
7		57	138;546;55	True;True;	139;549;55	155;628;64	
8		58	11;595;603	True;True;	11;598;606	11;682;691	
1		59	797	True	801	913	
1		60	502	True	504	572	
2		61	214;327;78	True;True;	215;328;79	242;364;90	
6		62	96;716;921	True;True;	96;720;925	104;823;10	
10		63	60;61;90;2	True;True;	60;61;90;2	67;68;98;2	
4		64	279;391;48	True;True;	280;393;48	313;443;55	
3		65	92;407;563	True;True;	92;409;566	100;462;64	
19		66	56;237;324	True;True;	56;238;325	63;266;267	
2		67	674;1269	True;True	678;1276	779;1461	
7		68	200;286;39	True;True;	201;287;39	227;320;45	
24		69	8;35;69;70	True;True;	8;35;69;70	8;39;77;78	
0	+	70	295	True	296	330	
2		71	300;692	True;True	301;696	335;798	
3		72	221;222;30	True;True;	222;223;30	249;250;33	
6		73	26;516;755	True;True;	26;518;759	26;27;588;	
4		74	117;181;52	True;True;	118;182;52	130;206;59	
11		75	57;130;148	True;True;	57;131;149	64;145;167	
6		76	758;937;10	True;True;	762;941;10	869;1075;1	
22		77	72;85;191;	True;True;	72;85;192;	80;93;217;	
11		78	20;168;368	True;True;	20;169;370	20;191;414	
2		79	641;870;94	True;True;	645;874;94	739;996;10	
4		80	256;307;12	True;True;	257;308;12	288;343;14	
3		81	671;855;10	True;True;	675;859;10	774;979;11	
3		82	645;698;90	True;True;	649;702;91	743;804;10	
1		83	733;1048	True;True	737;1053	841;1203	
2		84	711;782	True;True	715;786	818;896	
2		85	833;960	True;True	837;964	954;1103	
1		86	918	True	922	1055	
2		87	691;1234	True;True	695;1241	797;1420	
1		88	919	True	923	1056	
2		89	14;702	True;True	14;706	14;808	
2		90	162;384;67	True;True;	163;386;67	184;434;77	
14		91	228;258;49	True;True;	229;259;49	257;290;56	
11		92	99;137;173	True;True;	99;138;174	108;154;19	
3		93	176;203;57	True;True;	177;204;57	200;230;65	
8		94	34;169;356	True;True;	34;170;357	38;192;397	
18		95	146;155;21	True;True;	147;156;21	165;175;23	
10		96	114;134;27	True;True;	115;135;27	127;151;30	
12		97	87;167;182	True;True;	87;168;183	95;190;207	
1		98	280	True	281	314	

1		99	244	True	245	275	
0	+	100	328	True	329	365	
1		101	1039;1164	True;True	1044;1170	1193;1338	
15		102	83;351;381	True;True;	83;352;383	91;391;429	
2		103	113;1050	True;True	114;1055	126;1205	
2		104	437;882;11	True;True;	439;886;11	494;1010;1	
10		105	4;108;142;	True;True;	4;109;143;	4;120;159;	
21		106	382;385;42	True;True;	384;387;42	431;435;48	
1		107	580	True	583	665	
14		108	23;103;231	True;True;	23;104;232	23;114;260	
1		109	761	True	765	872	
24		110	33;121;143	True;True;	33;122;144	37;135;160	
3		111	111;149;10	True;True;	112;150;10	124;168;11	
1		112	281;1043	True;True	282;1048	315;1197	
2		113	164;249	True;True	165;250	186;187;28	
3		114	81;297;766	True;True;	81;298;770	89;332;879	
4		115	49;623;906	True;True;	49;626;910	56;715;104	
4		116	348;393;61	True;True;	349;395;62	388;446;44	
3		117	17;53;1092	True;True;	17;53;1097	17;60;1252	
2		118	18	True	18	18	
2		119	544;1091	True;True	547;1096	626;1251	
1		120	55	True	55	62	
3		121	2;412;1184	True;True;	2;414;1190	2;467;1361	
12		122	174;230;40	True;True;	175;231;40	198;259;46	
5		123	497;620;65	True;True;	499;623;65	566;712;75	
3		124	447;1190;1	True;True;	449;1196;1	505;1368;1	
1		125	704	True	708	810	
3		126	15;52;185;	True;True;	15;52;186;	15;59;210;	
0		127	490;1102	True;True	492;1108	559;1265	
0		128	737	True	741	846	
4		129	792;840;11	True;True;	796;844;11	906;962;13	
6		130	124;152;33	True;True;	125;153;34	138;172;37	
10		131	59;399;474	True;True;	59;401;476	66;454;541	
3		132	452;685;11	True;True;	454;689;11	510;790;12	
3		133	101;484;94	True;True;	102;486;94	112;553;10	
1		134	1142	True	1148	1311	
3		135	386;591;95	True;True;	388;594;95	436;678;10	
3		136	296;532;10	True;True;	297;534;10	331;610;11	
14		137	115;116;14	True;True;	116;117;14	128;129;16	
7		138	10;226;303	True;True;	10;227;304	10;255;339	
4		139	669;1131;1	True;True;	673;1137;1	772;1298;1	
5		140	454;672;73	True;True;	456;676;73	512;513;77	
2		141	914;1014;1	True;True;	918;1018;1	1051;1162	
4		142	651	True	655	749;750	
5		143	94;166;112	True;True;	94;167;113	102;189;12	
9		144	209;274;36	True;True;	210;275;36	236;308;41	
10		145	75;509;622	True;True;	75;511;625	83;580;714	
4		146	80;112;272	True;True;	80;113;273	88;125;305	
1		147	928	True	932	1066	
4		148	86;429;507	True;True;	86;431;509	94;486;577	

4	149	73;1201	True;True	73;1207	81;1380
2	150	218;430	True;True	219;432	246;487
1	151	690;813	True;True	694;817	796;933
2	152	604;750	True;True	607;754	692;861
4	153	106;363;5(	True;True;	107;364;5(	118;407;6!
3	154	127;1004	True;True	128;1008	142;1151
1	155	30;482;50(	True;True;	30;484;50	33;550;57(
1	156	428	True	430	485
6	157	12;74;224;	True;True;	12;74;225;	12;82;252;
2	158	1118;1266	True;True	1124;1273	1282;1458
0	159	311	True	312	347
2	160	262;1159	True;True	263;1165	294;1333
2	161	549;1053	True;True	552;1058	631;1208
1	162	139;154	True;True	140;155	156;174
0	163	807	True	811	925
2	164	322;748	False;True	323;752	359;859
0	165	642;661;1(	True;True;	646;665;1(	740;762;1:
3	166	51;712;76!	True;True;	51;716;76!	58;819;87(
11	167	50;248;28(	True;True;	50;249;28!	57;280;32:
1	168	400	True	402	455
3	169	455;514;7:	True;True;	457;516;7:	514;585;8:
6	170	95;252;25:	True;True;	95;253;25	103;284;2(
4	171	215;535;7:	True;True;	216;537;7(	243;613;8!
2	172	628;1079;1	True;True;	631;1084;1	721;1235;1
36	173	6;32;178;1	True;True;	6;32;179;1	6;36;202;2
2	174	1042;1172	True;True	1047;1178	1196;1346
2	175	235;1119	True;True	236;1125	264;1283
3	176	223;322;8:	True;True;	224;323;8(	251;359;1(
1	177	353	True	354	394
6	178	79;320;43:	True;True;	79;321;43:	87;357;48(
3	179	1070	True	1075	1225;1226
2	180	76	True	76	84
4	181	756;776;1:	True;True;	760;780;1:	867;890;1-
0	182	77	True	77	85
1	183	16;633	True;True	16;636	16;726
1	184	338;489	True;True	339;491	375;558
6	185	44;232;49:	True;True;	44;233;49:	51;261;56(
13	186	220;326;4(	True;True;	221;327;4:	248;363;4(
2	187	403;1120	True;True	405;1126	458;1284
1	188	1193	True	1199	1371
5	189	118;161;4:	True;True;	119;162;4:	131;183;4:
11	190	188;254;2!	True;True;	189;255;2!	214;286;3:
10	191	426;457;8:	True;True;	428;459;8:	483;516;5:
0	192	128	True	129	143
3	193	657;696;1(	True;True;	661;700;1(	757;802;1:
2	194	19;964	True;True	19;968	19;1107
1	195	793	True	797	907
4	196	861;1009;1	True;True;	865;1013;1	986;1156;1
6	197	120;419;9(	True;True;	121;421;9(	133;134;4:
5	198	102;1044;1	True;True;	103;1049;1	113;1198;1

1	199	801;1243	True;True	805;1250	917;1430
4	200	65;706;11	True;True;	65;710;11	73;812;13
1	201	640	True	644	738
1	202	683	True	687	788
2	203	570;1132	True;True	573;1138	655;1299
1	204	961	True	965	1104
1	205	913	True	917	1050
2	206	140;141	True;True	141;142	157;158
1	207	58;1168	True;True	58;1174	65;1342
2	208	1013	True	1017	1161
5	209	153;313;4	True;True;	154;314;4	173;349;4
10	210	110;163;2	True;True;	111;164;2	123;185;2
4	211	122;632;8	True;True;	123;635;8	136;725;1
0	212	727	True	731	835
3	213	193;293;8	True;True;	194;294;8	219;328;9
12	214	25;97;105;	True;True;	25;97;106;	25;105;10
3	215	582;815;1	True;True;	585;819;1	668;935;1
2	216	255;257	True;True	256;258	287;289
7	217	123;278;3	True;True;	124;279;3	137;312;3
8	218	135;172;4	True;True;	136;173;4	152;196;5
1	219	822	True	826	942
4	220	7;195;344;	True;True;	7;196;345;	7;221;222;
1	221	681;693	True;True	685;697	786;799
1	222	377	True	379	425
2	223	144;216;7	True;True;	145;217;7	162;244;8
2	224	971;1098	True;True	975;1103	1114;1259
5	225	442;705;7	True;True;	444;709;7	499;500;8
2	226	617;664;7	True;True;	620;668;7	708;765;8
3	227	251;439;6	True;True;	252;441;6	283;496;7
2	228	456;473	True;True	458;475	515;540
1	229	512	True	514	583
2	230	88;467	True;True	88;469	96;532
2	231	260;471	True;True	261;473	292;538
8	232	187;559;6	True;True;	188;562;6	213;644;6
3	233	78;91	True;True	78;91	86;99
6	234	422;875;9	True;True;	424;879;9	478;479;1
1	235	985	True	989	1130
1	236	246	True	247	278
3	237	207;602;6	True;True;	208;605;6	234;690;8
1	238	521	True	523	595
2	239	183	True	184	208
1	240	479	True	481	547
5	241	21;264;28	True;True;	21;265;29	21;297;32
2	242	1;842;114	True;True;	1;846;114	1;964;130
1	243	67	True	67	75
0	244	616	True	619	707
4	245	180;453;6	True;True;	181;455;6	205;511;7
1	246	575	True	578	660
5	247	109;233;5	True;True;	110;234;5	121;122;2
2	248	541;659;9	True;True;	544;663;9	622;760;1

1	249	505	True	507	575	
1	250	1107	True	1113	1270	
1	251	1124	True	1130	1289	
1	252	615	True	618	706	
0 +	253	472	True	474	539	
0	254	592	True	595	679	
1	255	446	True	448	504	
2	256	334;354	True;True	335;355	371;395	
3	257	885;908	True;True	889;912	1014;1015	
2	258	923;924	True;True	927;928	1060;1061	
2	259	619	True	622	710;711	
0 +	260	1210	True	1216	1390	
1	261	545	True	548	627	
3	262	259;298;3	True;True;	260;299;3	291;333;3	
1	263	9	True	9	9	

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
585;778;9(	585;778;9(	0	94
54;722;154	54;722;154	1	119
13;352;40	13;352;40	2;3	259;262
55;480;72	55;480;72	1;4;5	150;306;321
168;376;4	168;376;4	6	326
95;352;408	95;352;408	414;555;719;857;995;1201;1432	
471;472;5	471;515;1260		
907	907		
740	740		
527;937;14	527;937;14	7	86
63	63		
36;37;256;	37;256;332	8	56
452	452		
78	78		
43;353;389	43;353;389	9	167
962;1062;1	962;1062;1	10;11	41;124
130;243;11	130;243;1150;1497;1606;1619		
44	44		
23;57;97;3	23;57;97;370		
32;33;34;1	33;120;146	12;13;14;1	97;234;255;322;426;492
47;1572;15	47;1574	18;19	80;82
42;76;451;	42;76;451;	20	84
1232	1232	21	63
532;671	532;671		
303;387;84	303;387;84	22;23;24	199;274;408
250;837	250;837		
165	165		
219;668;94	219;668;94	25	342
466;1068;1	466;1068;1070;1607;1609		
48;49;50;5	48;51;109;	26;27	142;208
30	30		
713;788;88	713;788;88	28;29;30;3	556;592;904;907
194;195;30	195;304;529;551;711;1436;1494;1501;1519;1524;1622;1625		
297;298;29	298;1354		
3;182;417;	3;182;417;1001;1080;1361		
311;473;47	311;473;475;917;969;1066;1294;1437		
5;212;213;	5;213;215;	32;33;34	128;233;247
56;71;338;	56;71;338;	35	406
81;117;235	81;117;236	36;37	99;263
257;395;13	257;395;1326		
0;72;73;74	0;72;74;12	38;39	339;446
103;104;16	103;163;186;188;281;290;336;344;360;363;378;383;427;436;630;672;750;810;964;1153		
333;688;10	333;688;1063;1556;1596		
968;1560	968;1560		
467;674;13	467;674;13	40	134
45;1212	45;1212	41	432
752	752		
361	361		
314;806;9(	314;806;905;1110;1514		

31;424;42[illegible]	31;424;42[illegible]	42;43	10;16
196;197;4[illegible]	196;410;493;539;759;768;781;783;994;1022;1208;1395		
565;980;1[illegible]	565;980;1[illegible]	44	243
1129	1129		
46;270;27[illegible]	46;270;50[illegible]	45;46;47;4	197;203;266;363
1064	1064	49	134
546;634;7[illegible]	546;634;7[illegible]	50;51;52	77;84;211
25;161;16[illegible]	25;162;44[illegible]	53;54	196;303
170;707;7[illegible]	170;707;7[illegible]	55;56;57;5	29;33;146;147;158
11;765;77[illegible]	11;765;774;1005;1100;1202;1313;1611		
1027	1027		
638	638		
267;404;1[illegible]	267;404;1[illegible]	60	159
114;925;1[illegible]	114;925;1[illegible]	61;62	44;46
69;70;105;	69;70;106;	63	668
347;498;6[illegible]	347;498;620;1513		
108;518;7[illegible]	108;518;727		
65;293;29[illegible]	65;293;40[illegible]	64;65;66;6	29;57;114;255;256;257;304;310
879;1646	879;1646		
252;354;5[illegible]	252;354;5[illegible]	72	390
8;41;79;80	8;41;79;80	73;74;75	135;214;513
366	366	76	392
371;900	371;900		
275;276;3[illegible]	275;276;3[illegible]	77;78;79	61;411;481
28;29;655;	28;655;977;1254;1259;1297		
142;229;6[illegible]	142;229;665;1516		
66;160;18[illegible]	66;160;18[illegible]	80;81;82	97;226;231
981;1203;[illegible]	981;1203;1301;1653		
82;98;241;	82;98;242;	83;84;85;8	18;35;119;124
21;210;46[illegible]	21;210;46[illegible]	87;88	94;164
830;1120;[illegible]	830;1120;[illegible]	89	403
320;380;1[illegible]	320;380;1650		
872;1102;[illegible]	872;1102;1307		
834;906;1[illegible]	834;906;1172		
947;1350	947;1350	90	50
920;1009	920;1009		
1071;1238	1071;1238		
1183	1183		
899;1602	899;1602		
1184	1184		
14;910	14;910		
202;489;8[illegible]	202;489;8[illegible]	91	819
284;322;3[illegible]	284;322;627;708;725;1213;1214;1303;1314;1389;1580;1645		
118;169;2[illegible]	118;169;217;251;283;327;382;614;1106;1331		
220;255;7[illegible]	220;255;741;835		
40;211;43[illegible]	40;211;43[illegible]	92	142
181;193;2[illegible]	181;193;2[illegible]	93;94	153;174
138;166;3[illegible]	138;166;3[illegible]	95;96	67;488
101;208;2[illegible]	101;208;2[illegible]	97;98;99;1	322;359;385;519
348	348		

305	305		
405	405	101	285
1340;1506	1340;1506		
96;431;48	96;431;48	102	410
137;1352	137;1352		
552;1135;1	552;1135;1498		
4;131;174;	4;131;174;	103	175
485;490;5	485;490;5	104	59
748	748		
24;124;28	24;124;28	105	1357
984	984		
39;150;17	39;150;17	106;107;1	14;124;356
135;184;1	135;184;1	109	482
349;1344	349;1344	110	38
204;205;3	204;313		
94;368;99	94;368;992		
58;800;11	58;800;1169;1368		
428;501;5	428;502;7	111	51
17;62;140	17;62;1409		
18;19	19		
705;1408	705;1408		
64	64		
2;523;153	2;523;1533		
218;286;5	218;286;516;522;764;772;924;1018;1272;1359		
632;797;8	632;797;847;1010;1021		
563;1541;1	563;1541;1632		
912	912		
15;61;234;	15;61;234;	112	75
625;1424	625;1424	113	409
957	957	114;115	78;81
1019;1082	1019;1082;1531;1638		
153;189;4	153;189;4	116	82
68;510;60	68;510;604;734;808;915;1321;1385;1532;1578		
568;892;1	568;892;1431		
122;619;1	122;619;1211		
1476	1476		
491;761;1	491;761;1231		
367;689;1	367;689;1318		
139;140;1	139;141;1	117;118;1	77;187;251;255;280
10;282;37	10;282;375;506;747;1158;1649		
870;1461;1	870;1461;1511		
571;572;8	571;873;9	122;123;1	1;11;14;15;72;121
1178;1306	1178;1306	128	4
840;841;8	840		
110;207;1	110;207;1	129	408
261;342;4	261;342;4	130;131	57;202
85;86;646;	85;646;799;1152;1275;1518;1604		
93;136;33	93;136;33	132;133;1	137;378;502;503
1194	1194		
99;100;54	99;543;643		

83;1557;15 83;1558
272;544 272;544
898;1050 898;1050
775;972 775;972
129;449;45 129;449;73 136 527
157;1292;1 157;1292
35;615;642 35;615;642 137;138;13 14;97;325
542 542
12;84;278; 12;84;278; 140 1038
1441;1643 1441;1643
384 384 141 161
328;1500 328;1500
710;1355 710;1355
171;192 171;192
1039 1039 142 87
398;970 398;970
831;855;13 831;855;13 143;144;14 172;185;346
60;921;991 60;921;991 146 260
59;312;358 59;312;358 147 385
511 511
573;652;93 573;652;936;1563
111;112;11 112;316;317;1111
268;692;10 268;692;10 148;149 291;339
807;1386;1 807;1386;1 150 218
6;38;223;2 6;38;223;2 151;152;15 255;305;326;546
1343;1515 1343;1515
291;1442 291;1442
277;398;11 277;398;1131
434 434
92;396;545 92;396;545 155 594
1375;1376 1375
87;88 87
978;979;10 978;1003;1612
89 89
16;812 16;812
415;624 415;624
53;288;626 53;288;626;754;839;1486
274;403;52 274;403;52 156;157 370;499
514;1443 514;1443
1547 1547
143;201;52 143;201;526;1405;1464
238;318;36 238;318;36 158;159 329;346
540;575;57 540;576;10 160 309
158 158 161 56
850;904;13 850;904;1323
20;1242 20;1242
1020 1020
1109;1298 1109;1298;1299;1438
148;149;53 148;530;1166;1642
123;1345;1 123;1345;1472;1499

1031;1613	1031;1613	162;163	170;178
75;914;153	75;914;1537;1562;1636		
829	829		
890	890		
736;1462	736;1462		
1239	1239		
1177	1177		
172;173	172;173		
67;1510	67;1510	164	34
1304;1305	1305		
190;191;38	191;386;55	165	281
134;203;28	134;203;28	166	475
151;811;11	151;811;1149;1413		
940	940	167	1
244;364;11	244;364;11	168	27
26;27;115;	26;116;128	169;170;17	133;270;599
751;1052;1	751;1052;1449		
319;321	319;321		
152;346;39	152;346;39	172	218
167;216;62	167;216;62	173;174;17	156;378;408;410;427
1059	1059		
7;246;247;	7;246;423;	178;179;18	39;65;90
888;901	888;901	181	415
477	477		
178;269;93	178;269;93	182;183	4;18
1253;1416	1253;1416		
557;558;91	557;913;975;1061;1365		
793;858;90	793;858;90	184	404
315;554;88	315;554;887		
574;603	574;603		
650	650		
102;595	102;595		
326;601	326;601		
237;723;77	237;723;77	185	192
90;91;107	91;107		
534;535;53	536;1126;1217		
1269	1269		
310	310		
259;773;90	259;773;903		
664	664		
231;232	232		
611	611		
22;331;359	22;331;359	186;187;18	234;247;269;279
1;1084;147	1;1084;147	190;191	229;246
77	77		
792	792	192	281
226;227;22	227;570;85	193	82
742	742		
132;133;28	133;289;738		
701;853;12	701;853;12	194	288

641	641		
1429	1429		
1450	1450		
791	791		
602	602	195	702
762	762	196	42
562	562		
411;435	411;435		
1139;1140	1139;1171		
1188;1189	1188;1189		
795;796	796		
1569	1569	197	41
706	706		
325;369;4	325;369;4	198;199;2(	86;88;227
9	9		

;1155;1265;1287;1526;1527;1564;1601

Protein IDs	Majority p	Peptide co	Peptide co	Peptide co	Fasta head	Number of	Peptides	Razor + un
CON__P00	CON__P00	4	4	4	>P00761 S	1	4	4
CON__P02	CON__P02	5;5;4;2	1;1;1;1	0;0;0;0	>P02533 S	4	5	1
CON__P02	CON__P02	3	3	3	>P02668 S	1	3	3
CON__P04	CON__P04	23;1	21;1	15;0	>P04264 S	2	23	21
CON__P13	CON__P13	26;7;4;4;3;	26;7;4;4;3;	21;4;0;0;0;	>P13645 S	30	26	26
CON__P35	CON__P35	14	13	13	>P35527 S	1	14	13
CON__P35	CON__P35	24;5;4;3;3;	24;5;4;3;3;	16;1;0;0;0;	>P35908 S	12	24	24
CON__Q92	CON__Q92	8;8;5;5;4	2;2;1;1;1	0;0;0;0;0	>Q922U2 S	5	8	2
CON__Q86	CON__Q86	5	5	5	>Q86YZ3 S	1	5	5
REV__sp|F	REV__sp|F	1;1;1;1	1;1;1;1	1;1;1;1	>sp|P0CZ1	4	1	1
REV__sp|F	REV__sp|F	1	1	1	>sp|P3238	1	1	1
REV__sp|F	REV__sp|F	1	1	1	>sp|P4694	1	1	1
sp|A5Z2X5	sp|A5Z2X5	1	1	1	>sp|A5Z2X	1	1	1
sp|P00044	sp|P00044	3;1	3;1	3;1	>sp|P0004	2	3	3
sp|P00127	sp|P00127	1	1	1	>sp|P0012	1	1	1
sp|P00128	sp|P00128	10	10	10	>sp|P0012	1	10	10
sp|P00163	sp|P00163	2;2;2;2	2;2;2;2	2;2;2;2	>sp|P0016	4	2	2
sp|P00401	sp|P00401	2	2	2	>sp|P0040	1	2	2
sp|P00410	sp|P00410	9	9	9	>sp|P0041	1	9	9
sp|P00424	sp|P00424	7	7	6	>sp|P0042	1	7	7
sp|P00425	sp|P00425	3	2	2	>sp|P0042	1	3	2
sp|P00427	sp|P00427	7	7	7	>sp|P0042	1	7	7
sp|P00560	sp|P00560	2	2	2	>sp|P0056	1	2	2
sp|P00830	sp|P00830	25	25	25	>sp|P0083	1	25	25
sp|P00890	sp|P00890	9	9	9	>sp|P0089	1	9	9
sp|P01123	sp|P01123	1	1	1	>sp|P0112	1	1	1
sp|P02992	sp|P02992	2	2	2	>sp|P0299	1	2	2
sp|P02994	sp|P02994	16	16	16	>sp|P0299	1	16	16
sp|P04037	sp|P04037	5	5	5	>sp|P0403	1	5	5
sp|P04039	sp|P04039	1	1	1	>sp|P0403	1	1	1
sp|P04385	sp|P04385	5;1	5;1	5;1	>sp|P0438	2	5	5
sp|P04710	sp|P04710	5	2	2	>sp|P0471	1	5	2
sp|P04840	sp|P04840	26	26	26	>sp|P0484	1	26	26
sp|P05030	sp|P05030	13;11	13;11	13;11	>sp|P0503	2	13	13
sp|P05626	sp|P05626	10	10	10	>sp|P0562	1	10	10
sp|P0CH0	sp|P0CH0	4;4;4;4	4;4;4;4	4;4;4;4	>sp|P0CH0	4	4	4
sp|P06779	sp|P06779	2	2	2	>sp|P0677	1	2	2
sp|P06780	sp|P06780	5	5	5	>sp|P0678	1	5	5
sp|P07143	sp|P07143	10	10	10	>sp|P0714	1	10	10
sp|P07213	sp|P07213	11	11	11	>sp|P0721	1	11	11
sp|P07246	sp|P07246	1	1	1	>sp|P0724	1	1	1
sp|P07251	sp|P07251	28	28	28	>sp|P0725	1	28	28
sp|P07255	sp|P07255	3	3	3	>sp|P0725	1	3	3
sp|P07256	sp|P07256	26	26	26	>sp|P0725	1	26	26
sp|P07257	sp|P07257	32	32	32	>sp|P0725	1	32	32
sp|P07560	sp|P07560	2	2	2	>sp|P0756	1	2	2
sp|P08067	sp|P08067	12	12	12	>sp|P0806	1	12	12
sp|P08417	sp|P08417	1	1	1	>sp|P0841	1	1	1
sp|P08466	sp|P08466	4	4	4	>sp|P0846	1	4	4

sp|P08525	sp|P08525	3	3	3	>sp|P0852	1	3	3
sp|P09457	sp|P09457	12	12	12	>sp|P0945	1	12	12
sp|P0C5R9	sp|P0C5R9	1	1	1	>sp|P0C5R	1	1	1
sp|P0CX54	sp|P0CX54	1;1	1;1	1;1	>sp|P0CX5	2	1	1
sp|P10174	sp|P10174	1	1	1	>sp|P1017	1	1	1
sp|P10614	sp|P10614	4	4	4	>sp|P1061	1	4	4
sp|P40150	sp|P40150	2;2	2;2	2;2	>sp|P4015	2	2	2
sp|P11491	sp|P11491	5	5	5	>sp|P1149	1	5	5
sp|P12684	sp|P12684	2;1	2;1	2;1	>sp|P1268	2	2	2
sp|P13181	sp|P13181	14	14	14	>sp|P1318	1	14	14
sp|P14020	sp|P14020	8	8	8	>sp|P1402	1	8	8
sp|P14906	sp|P14906	9	9	9	>sp|P1490	1	9	9
sp|P16547	sp|P16547	2	2	2	>sp|P1654	1	2	2
sp|P16603	sp|P16603	1	1	1	>sp|P1660	1	1	1
sp|P16622	sp|P16622	4	4	4	>sp|P1662	1	4	4
sp|P17255	sp|P17255	5	5	5	>sp|P1725	1	5	5
sp|P17505	sp|P17505	1	1	1	>sp|P1750	1	1	1
sp|P17695	sp|P17695	1	1	1	>sp|P1769	1	1	1
sp|P18239	sp|P18239	24;5	24;5	21;2	>sp|P1823	2	24	24
sp|P19073	sp|P19073	2	2	2	>sp|P1907	1	2	2
sp|P19414	sp|P19414	10	10	10	>sp|P1941	1	10	10
sp|P19882	sp|P19882	20	20	20	>sp|P1988	1	20	20
sp|P20107	sp|P20107	2	2	2	>sp|P2010	1	2	2
sp|P21147	sp|P21147	6	6	6	>sp|P2114	1	6	6
sp|P21560	sp|P21560	2	2	2	>sp|P2156	1	2	2
sp|P21576	sp|P21576	1	1	1	>sp|P2157	1	1	1
sp|P21592	sp|P21592	1	1	1	>sp|P2159	1	1	1
sp|P21801	sp|P21801	9	9	9	>sp|P2180	1	9	9
sp|P21825	sp|P21825	1	1	1	>sp|P2182	1	1	1
sp|P21954	sp|P21954	2;1;1	2;1;1	2;1;1	>sp|P2195	3	2	2
sp|P22146	sp|P22146	4	4	4	>sp|P2214	1	4	4
sp|P22289	sp|P22289	2	2	2	>sp|P2228	1	2	2
sp|P22855	sp|P22855	8	8	8	>sp|P2285	1	8	8
sp|P23641	sp|P23641	16	16	16	>sp|P2364	1	16	16
sp|P23644	sp|P23644	10	10	10	>sp|P2364	1	10	10
sp|P23833	sp|P23833	1	1	1	>sp|P2383	1	1	1
sp|P25045	sp|P25045	5	5	5	>sp|P2504	1	5	5
sp|P25087	sp|P25087	2	2	2	>sp|P2508	1	2	2
sp|P25340	sp|P25340	3	3	3	>sp|P2534	1	3	3
sp|P25349	sp|P25349	1	1	1	>sp|P2534	1	1	1
sp|P25374	sp|P25374	1	1	1	>sp|P2537	1	1	1
sp|P25379	sp|P25379	3	3	3	>sp|P2537	1	3	3
sp|P25515	sp|P25515	1	1	1	>sp|P2551	1	1	1
sp|P25574	sp|P25574	2	2	2	>sp|P2557	1	2	2
sp|P25618	sp|P25618	2	2	2	>sp|P2561	1	2	2
sp|P25628	sp|P25628	1	1	1	>sp|P2562	1	1	1
sp|P28241	sp|P28241	5	5	5	>sp|P2824	1	5	5
sp|P28834	sp|P28834	3	3	3	>sp|P2883	1	3	3
sp|P29704	sp|P29704	4	4	4	>sp|P2970	1	4	4
sp|P30624	sp|P30624	9;1	9;1	9;1	>sp|P3062	2	9	9

sp|P30902	sp|P30902	10	10	10	>sp|P3090	1	10	10
sp|P31382	sp|P31382	8;2	8;2	8;2	>sp|P3138	2	8	8
sp|P32191	sp|P32191	12	12	12	>sp|P3219	1	12	12
sp|P32317	sp|P32317	2	2	2	>sp|P3231	1	2	2
sp|P32331	sp|P32331	3	3	3	>sp|P3233	1	3	3
sp|P32332	sp|P32332	3	3	3	>sp|P3233	1	3	3
sp|P32335	sp|P32335	1	1	1	>sp|P3233	1	1	1
sp|P32340	sp|P32340	9	9	9	>sp|P3234	1	9	9
sp|P32366	sp|P32366	7	7	7	>sp|P3236	1	7	7
sp|P32368	sp|P32368	13	13	13	>sp|P3236	1	13	13
sp|P32386	sp|P32386	7	7	7	>sp|P3238	1	7	7
sp|P32476	sp|P32476	2	2	2	>sp|P3247	1	2	2
sp|P32563	sp|P32563	18	18	18	>sp|P3256	1	18	18
sp|P32564	sp|P32564	1	1	1	>sp|P3256	1	1	1
sp|P32568	sp|P32568	4	4	4	>sp|P3256	1	4	4
sp|P32792	sp|P32792	1	1	1	>sp|P3279	1	1	1
sp|P32795	sp|P32795	1	1	1	>sp|P3279	1	1	1
sp|P32799	sp|P32799	6	6	6	>sp|P3279	1	6	6
sp|P32803	sp|P32803	2	2	2	>sp|P3280	1	2	2
sp|P32839	sp|P32839	2	2	2	>sp|P3283	1	2	2
sp|P32842	sp|P32842	1	1	1	>sp|P3284	1	1	1
sp|P32843	sp|P32843	32	32	32	>sp|P3284	1	32	32
sp|P32891	sp|P32891	2	2	2	>sp|P3289	1	2	2
sp|P32897	sp|P32897	3	3	3	>sp|P3289	1	3	3
sp|P33310	sp|P33310	1	1	1	>sp|P3331	1	1	1
sp|P33311	sp|P33311	5	5	5	>sp|P3331	1	5	5
sp|P33333	sp|P33333	1	1	1	>sp|P3333	1	1	1
sp|P33421	sp|P33421	2	2	2	>sp|P3342	1	2	2
sp|P33767	sp|P33767	5	5	5	>sp|P3376	1	5	5
sp|P33775	sp|P33775	5	5	5	>sp|P3377	1	5	5
sp|P33892	sp|P33892	2	2	2	>sp|P3389	1	2	2
sp|P34224	sp|P34224	1	1	1	>sp|P3422	1	1	1
sp|P34248	sp|P34248	3	3	3	>sp|P3424	1	3	3
sp|P35179	sp|P35179	1	1	1	>sp|P3517	1	1	1
sp|P35191	sp|P35191	2	2	2	>sp|P3519	1	2	2
sp|P36060	sp|P36060	8	8	8	>sp|P3606	1	8	8
sp|P36112	sp|P36112	5	5	5	>sp|P3611	1	5	5
sp|P36147	sp|P36147	3	3	3	>sp|P3614	1	3	3
sp|P36148	sp|P36148	2	2	2	>sp|P3614	1	2	2
sp|P37298	sp|P37298	4	4	4	>sp|P3729	1	4	4
sp|P37299	sp|P37299	5	5	5	>sp|P3729	1	5	5
sp|P38077	sp|P38077	16	16	16	>sp|P3807	1	16	16
sp|P38169	sp|P38169	1	1	1	>sp|P3816	1	1	1
sp|P38244	sp|P38244	8	8	8	>sp|P3824	1	8	8
sp|P38248	sp|P38248	2	2	2	>sp|P3824	1	2	2
sp|P38264	sp|P38264	8	8	8	>sp|P3826	1	8	8
sp|P38286	sp|P38286	3	3	3	>sp|P3828	1	3	3
sp|P38325	sp|P38325	3	3	3	>sp|P3832	1	3	3
sp|P38353	sp|P38353	4	4	4	>sp|P3835	1	4	4
sp|P38626	sp|P38626	9	9	9	>sp|P3862	1	9	9

sp|P38631	sp|P38631	9;5	9;5	9;5	>sp|P3863	2	9	9
sp|P38694	sp|P38694	5	5	5	>sp|P3869	1	5	5
sp|P38703	sp|P38703	1	1	1	>sp|P3870	1	1	1
sp|P38885	sp|P38885	3	3	3	>sp|P3888	1	3	3
sp|P47176	sp|P47176	1;1	1;1	1;1	>sp|P4717	2	1	1
sp|P38988	sp|P38988	1	1	1	>sp|P3898	1	1	1
sp|P38992	sp|P38992	3	3	3	>sp|P3899	1	3	3
sp|P39003	sp|P39003	4;3	4;3	4;3	>sp|P3900	2	4	4
sp|P39007	sp|P39007	1	1	1	>sp|P3900	1	1	1
sp|P39103	sp|P39103	2	2	2	>sp|P3910	1	2	2
sp|P39109	sp|P39109	2	2	2	>sp|P3910	1	2	2
sp|P39540	sp|P39540	1	1	1	>sp|P3954	1	1	1
sp|P39727	sp|P39727	3	3	3	>sp|P3972	1	3	3
sp|P39925	sp|P39925	4	3	3	>sp|P3992	1	4	3
sp|P39952	sp|P39952	5	5	5	>sp|P3995	1	5	5
sp|P39968	sp|P39968	1	1	1	>sp|P3996	1	1	1
sp|P39986	sp|P39986	7	7	7	>sp|P3998	1	7	7
sp|P40008	sp|P40008	1	1	1	>sp|P4000	1	1	1
sp|P40012	sp|P40012	1	1	1	>sp|P4001	1	1	1
sp|P40035	sp|P40035	3	3	3	>sp|P4003	1	3	3
sp|P40046	sp|P40046	3	3	3	>sp|P4004	1	3	3
sp|P40075	sp|P40075	5	5	5	>sp|P4007	1	5	5
sp|P40086	sp|P40086	8	8	8	>sp|P4008	1	8	8
sp|P40098	sp|P40098	2	2	2	>sp|P4009	1	2	2
sp|P40215	sp|P40215	22	22	22	>sp|P4021	1	22	22
sp|P40318	sp|P40318	4	4	4	>sp|P4031	1	4	4
sp|P40319	sp|P40319	1	1	1	>sp|P4031	1	1	1
sp|P40341	sp|P40341	7	7	6	>sp|P4034	1	7	7
sp|P40548	sp|P40548	1	1	1	>sp|P4054	1	1	1
sp|P40961	sp|P40961	11	11	11	>sp|P4096	1	11	11
sp|P40970	sp|P40970	5	5	5	>sp|P4097	1	5	5
sp|P41543	sp|P41543	1	1	1	>sp|P4154	1	1	1
sp|P42839	sp|P42839	2	2	2	>sp|P4283	1	2	2
sp|P42940	sp|P42940	1	1	1	>sp|P4294	1	1	1
sp|P42949	sp|P42949	2	2	2	>sp|P4294	1	2	2
sp|P43557	sp|P43557	2	2	2	>sp|P4355	1	2	2
sp|P43585	sp|P43585	3	3	3	>sp|P4358	1	3	3
sp|P46367	sp|P46367	12	12	12	>sp|P4636	1	12	12
sp|P46964	sp|P46964	1	1	1	>sp|P4696	1	1	1
sp|P46971	sp|P46971	3	3	3	>sp|P4697	1	3	3
sp|P47069	sp|P47069	1	1	1	>sp|P4706	1	1	1
sp|P47075	sp|P47075	14	14	14	>sp|P4707	1	14	14
sp|P47127	sp|P47127	2	2	2	>sp|P4712	1	2	2
sp|P47154	sp|P47154	2	2	2	>sp|P4715	1	2	2
sp|P48439	sp|P48439	1	1	1	>sp|P4843	1	1	1
sp|P49334	sp|P49334	1	1	1	>sp|P4933	1	1	1
sp|P49573	sp|P49573	5	5	5	>sp|P4957	1	5	5
sp|P50085	sp|P50085	13	13	13	>sp|P5008	1	13	13
sp|P52871	sp|P52871	1	1	1	>sp|P5287	1	1	1
sp|P53075	sp|P53075	3	3	3	>sp|P5307	1	3	3

sp|P53199	sp|P53199	2	2	2	>sp|P5319	1	2	2
sp|P53206	sp|P53206	5	5	5	>sp|P5320	1	5	5
sp|P53337	sp|P53337	1	1	1	>sp|P5333	1	1	1
sp|P53721	sp|P53721	7	7	7	>sp|P5372	1	7	7
sp|P53735	sp|P53735	1	1	1	>sp|P5373	1	1	1
sp|P53736	sp|P53736	1	1	1	>sp|P5373	1	1	1
sp|P54781	sp|P54781	5	5	5	>sp|P5478	1	5	5
sp|P54783	sp|P54783	12	12	12	>sp|P5478	1	12	12
sp|P60010	sp|P60010	1	1	1	>sp|P6001	1	1	1
sp|P81450	sp|P81450	2	2	2	>sp|P8145	1	2	2
sp|Q00711	sp|Q00711	10;2	10;2	10;2	>sp|Q0071	2	10	10
sp|Q02725	sp|Q02725	7	7	7	>sp|Q0272	1	7	7
sp|Q02774	sp|Q02774	1	1	1	>sp|Q0277	1	1	1
sp|Q02776	sp|Q02776	9	9	9	>sp|Q0277	1	9	9
sp|Q02889	sp|Q02889	1	1	1	>sp|Q0288	1	1	1
sp|Q03028	sp|Q03028	5	5	5	>sp|Q0302	1	5	5
sp|Q03707	sp|Q03707	1	1	1	>sp|Q0370	1	1	1
sp|Q03713	sp|Q03713	5	5	5	>sp|Q0371	1	5	5
sp|Q03798	sp|Q03798	4	4	4	>sp|Q0379	1	4	4
sp|Q03880	sp|Q03880	1	1	1	>sp|Q0388	1	1	1
sp|Q04013	sp|Q04013	8	8	8	>sp|Q0401	1	8	8
sp|Q04458	sp|Q04458	3	3	3	>sp|Q0445	1	3	3
sp|Q04697	sp|Q04697	3	3	3	>sp|Q0469	1	3	3
sp|Q04935	sp|Q04935	2	2	2	>sp|Q0493	1	2	2
sp|Q04947	sp|Q04947	11	11	11	>sp|Q0494	1	11	11
sp|Q05359	sp|Q05359	3	3	3	>sp|Q0535	1	3	3
sp|Q05867	sp|Q05867	1	1	1	>sp|Q0586	1	1	1
sp|Q06116	sp|Q06116	1	1	1	>sp|Q0611	1	1	1
sp|Q06405	sp|Q06405	4	4	4	>sp|Q0640	1	4	4
sp|Q06409	sp|Q06409	1	1	1	>sp|Q0640	1	1	1
sp|Q07349	sp|Q07349	1	1	1	>sp|Q0734	1	1	1
sp|Q08023	sp|Q08023	2	2	2	>sp|Q0802	1	2	2
sp|Q08179	sp|Q08179	5	5	5	>sp|Q0817	1	5	5
sp|Q08548	sp|Q08548	1	1	1	>sp|Q0854	1	1	1
sp|Q12010	sp|Q12010	1	1	1	>sp|Q1201	1	1	1
sp|Q12029	sp|Q12029	5	5	5	>sp|Q1202	1	5	5
sp|Q12117	sp|Q12117	2	2	2	>sp|Q1211	1	2	2
sp|Q12452	sp|Q12452	2	2	2	>sp|Q1245	1	2	2
sp|Q12480	sp|Q12480	5	5	5	>sp|Q1248	1	5	5
sp|Q12482	sp|Q12482	1	1	1	>sp|Q1248	1	1	1
sp|Q12746	sp|Q12746	2	2	2	>sp|Q1274	1	2	2
sp|Q2V2P4	sp|Q2V2P4	1	1	1	>sp|Q2V2F	1	1	1
sp|Q2V2P9	sp|Q2V2P9	2	2	2	>sp|Q2V2F	1	2	2
sp|Q3E776	sp|Q3E776	2	2	2	>sp|Q3E77	1	2	2
sp|Q3E7B6	sp|Q3E7B6	1	1	1	>sp|Q3E7E	1	1	1
sp|Q3E824	sp|Q3E824	1	1	1	>sp|Q3E82	1	1	1
sp|Q6Q560	sp|Q6Q560	2	2	2	>sp|Q6Q5(	1	2	2
sp|Q8TGU	sp|Q8TGU	1	1	1	>sp|Q8TG(	1	1	1
sp|Q96VH9	sp|Q96VH9	1	1	1	>sp|Q96VI	1	1	1
sp|Q99190	sp|Q99190	3	3	3	>sp|Q9919	1	3	3

sp|Q99297	sp|Q99297	4	4	4	>sp|Q9929	1	4	4

Unique pe	Peptides T	Razor + un	Unique pe	Sequence	Unique + r	Unique sec	Mol. weigh	Sequence l
4	4	4	4	25,1	25,1	25,1	24,409	231
0	5	1	0	7,8	2,5	0	51,621	472
3	3	3	3	23,1	23,1	23,1	18,974	169
15	23	21	15	41,3	40,1	31,5	66,017	644
21	26	26	21	46,2	46,2	40	59,51	593
13	14	13	13	40,1	39	39	62,129	623
16	24	24	16	46,7	46,7	36,3	65,865	645
0	8	2	0	11,4	2,9	0	61,766	580
5	5	5	5	8,6	8,6	8,6	282,39	2850
1	1	1	1	0	0	0	38,686	362
1	1	1	1	0	0	0	111,78	944
1	1	1	1	0	0	0	90,797	817
1	1	1	1	11,1	11,1	11,1	7,9021	72
3	3	3	3	33	33	33	12,182	109
1	1	1	1	8,2	8,2	8,2	17,257	147
10	10	10	10	80,3	80,3	80,3	14,565	127
2	2	2	2	4,4	4,4	4,4	43,655	385
2	2	2	2	7,7	7,7	7,7	58,797	534
9	9	9	9	50,2	50,2	50,2	28,567	251
6	7	7	6	52,9	52,9	42,5	17,14	153
2	3	2	2	22,5	11,9	11,9	17,197	151
7	7	7	7	54,1	54,1	54,1	17,341	148
2	2	2	2	5,5	5,5	5,5	44,738	416
25	25	25	25	71,4	71,4	71,4	54,793	511
9	9	9	9	23,2	23,2	23,2	53,359	479
1	1	1	1	6,8	6,8	6,8	23,214	206
2	2	2	2	7,1	7,1	7,1	47,972	437
16	16	16	16	43,4	43,4	43,4	50,032	458
5	5	5	5	45,8	45,8	45,8	17,142	155
1	1	1	1	12,8	12,8	12,8	8,9066	78
5	5	5	5	11	11	11	57,944	528
2	5	2	2	8,7	3,6	3,6	34,12	309
26	26	26	26	95,4	95,4	95,4	30,428	283
13	13	13	13	19,3	19,3	19,3	99,618	918
10	10	10	10	41	41	41	26,925	244
4	4	4	4	25,8	25,8	25,8	14,554	128
2	2	2	2	2,7	2,7	2,7	63,777	565
5	5	5	5	25,8	25,8	25,8	23,152	209
10	10	10	10	39,2	39,2	39,2	34,054	309
11	11	11	11	25,4	25,4	25,4	70,122	617
1	1	1	1	2,4	2,4	2,4	40,369	375
28	28	28	28	57,6	57,6	57,6	58,607	545
3	3	3	3	35,6	35,6	35,6	6,9631	59
26	26	26	26	68,7	68,7	68,7	50,227	457
32	32	32	32	77,2	77,2	77,2	40,478	368
2	2	2	2	12,6	12,6	12,6	23,505	215
12	12	12	12	60	60	60	23,365	215
1	1	1	1	2,3	2,3	2,3	53,151	488
4	4	4	4	12,5	12,5	12,5	37,209	329

3	3	3	3	35,1	35,1	35,1	10,974	94
12	12	12	12	61,3	61,3	61,3	22,814	212
1	1	1	1	9,4	9,4	9,4	9,3609	85
1	1	1	1	9,1	9,1	9,1	17,822	165
1	1	1	1	20	20	20	6,9323	60
4	4	4	4	11,5	11,5	11,5	60,719	530
2	2	2	2	4,9	4,9	4,9	66,594	613
5	5	5	5	11,7	11,7	11,7	63,003	566
2	2	2	2	2,5	2,5	2,5	115,69	1045
14	14	14	14	25,4	25,4	25,4	63,625	574
8	8	8	8	26,2	26,2	26,2	30,362	267
9	9	9	9	16,9	16,9	16,9	75,344	663
2	2	2	2	6,9	6,9	6,9	44,58	393
1	1	1	1	1,7	1,7	1,7	76,771	691
4	4	4	4	14	14	14	44,596	393
5	5	5	5	4,8	4,8	4,8	118,64	1071
1	1	1	1	6	6	6	35,65	334
1	1	1	1	9,1	9,1	9,1	15,861	143
21	24	24	21	53,5	53,5	48,4	34,426	318
2	2	2	2	11	11	11	21,322	191
10	10	10	10	16,2	16,2	16,2	85,367	778
20	20	20	20	48,1	48,1	48,1	60,751	572
2	2	2	2	8,6	8,6	8,6	48,344	442
6	6	6	6	13,3	13,3	13,3	58,402	510
2	2	2	2	7,5	7,5	7,5	39,083	335
1	1	1	1	1,7	1,7	1,7	78,736	704
1	1	1	1	2,8	2,8	2,8	52,147	462
9	9	9	9	33,8	33,8	33,8	30,231	266
1	1	1	1	3,6	3,6	3,6	31,346	274
2	2	2	2	6,8	6,8	6,8	48,19	428
4	4	4	4	6,8	6,8	6,8	59,582	559
2	2	2	2	27,3	27,3	27,3	7,4763	66
8	8	8	8	8	8	8	124,5	1083
16	16	16	16	68,2	68,2	68,2	32,812	311
10	10	10	10	47,5	47,5	47,5	42,038	387
1	1	1	1	4,4	4,4	4,4	33,166	295
5	5	5	5	12,7	12,7	12,7	62,206	558
2	2	2	2	6,8	6,8	6,8	43,43	383
3	3	3	3	3,4	3,4	3,4	56,039	473
1	1	1	1	6,5	6,5	6,5	26,35	247
1	1	1	1	3,4	3,4	3,4	54,466	497
3	3	3	3	7,8	7,8	7,8	39,301	360
1	1	1	1	11,2	11,2	11,2	16,35	160
2	2	2	2	2	2	2	87,18	760
2	2	2	2	2,3	2,3	2,3	107,88	953
1	1	1	1	1,6	1,6	1,6	71,612	610
5	5	5	5	17,9	17,9	17,9	39,739	369
3	3	3	3	10,6	10,6	10,6	39,324	360
4	4	4	4	8,3	8,3	8,3	51,719	444
9	9	9	9	17,9	17,9	17,9	77,865	700

10	10	10	10	62,1	62,1	62,1	19,809	174
8	8	8	8	12,4	12,4	12,4	86,869	759
12	12	12	12	23,9	23,9	23,9	72,388	649
2	2	2	2	4,3	4,3	4,3	58,264	509
3	3	3	3	14	14	14	33,375	307
3	3	3	3	9	9	9	35,153	324
1	1	1	1	2,3	2,3	2,3	50,88	436
9	9	9	9	27,1	27,1	27,1	57,249	513
7	7	7	7	28,4	28,4	28,4	39,79	345
13	13	13	13	27,1	27,1	27,1	71,124	623
7	7	7	7	5,2	5,2	5,2	189,16	1661
2	2	2	2	4,4	4,4	4,4	55,125	496
18	18	18	18	23,7	23,7	23,7	95,528	840
1	1	1	1	4,3	4,3	4,3	20,118	187
4	4	4	4	3,5	3,5	3,5	168,76	1501
1	1	1	1	2,1	2,1	2,1	44,235	385
1	1	1	1	1,9	1,9	1,9	81,771	747
6	6	6	6	30,2	30,2	30,2	15,021	129
2	2	2	2	12,8	12,8	12,8	23,332	203
2	2	2	2	5,9	5,9	5,9	51,107	456
1	1	1	1	11	11	11	17,037	164
32	32	32	32	45,3	45,3	45,3	96,687	850
2	2	2	2	4,1	4,1	4,1	65,292	587
3	3	3	3	23,9	23,9	23,9	23,243	222
1	1	1	1	1,4	1,4	1,4	75,949	695
5	5	5	5	7,1	7,1	7,1	85,136	773
1	1	1	1	4	4	4	33,887	303
2	2	2	2	9,6	9,6	9,6	22,068	198
5	5	5	5	15,1	15,1	15,1	49,391	430
5	5	5	5	8,1	8,1	8,1	92,674	817
2	2	2	2	0,9	0,9	0,9	296,69	2672
1	1	1	1	6,7	6,7	6,7	22,278	193
3	3	3	3	3,7	3,7	3,7	67,524	587
1	1	1	1	12,5	12,5	12,5	8,9435	80
2	2	2	2	6,3	6,3	6,3	55,56	511
8	8	8	8	29,1	29,1	29,1	34,137	302
5	5	5	5	11,1	11,1	11,1	61,081	540
3	3	3	3	20,3	20,3	20,3	21,968	197
2	2	2	2	3,9	3,9	3,9	83,644	743
4	4	4	4	24,3	24,3	24,3	20,248	181
5	5	5	5	44,2	44,2	44,2	8,5928	77
16	16	16	16	58,8	58,8	58,8	34,35	311
1	1	1	1	2	2	2	52,429	460
8	8	8	8	10,5	10,5	10,5	111,03	976
2	2	2	2	5,8	5,8	5,8	43,768	429
8	8	8	8	44,1	44,1	44,1	21,137	188
3	3	3	3	15,6	15,6	15,6	38,708	347
3	3	3	3	48,5	48,5	48,5	14,609	134
4	4	4	4	12,2	12,2	12,2	53,311	490
9	9	9	9	40,5	40,5	40,5	31,493	284

9	9	9	9	6,5	6,5	6,5	214,85	1876
5	5	5	5	10,4	10,4	10,4	71,32	644
1	1	1	1	4,9	4,9	4,9	48,454	411
3	3	3	3	12,3	12,3	12,3	34,113	310
1	1	1	1	2,4	2,4	2,4	41,624	376
1	1	1	1	3,3	3,3	3,3	33,215	300
3	3	3	3	5,4	5,4	5,4	40,734	349
4	4	4	4	11,9	11,9	11,9	62,704	570
1	1	1	1	1,4	1,4	1,4	81,528	718
2	2	2	2	38,6	38,6	38,6	7,9589	70
2	2	2	2	1,8	1,8	1,8	171,12	1515
1	1	1	1	2,9	2,9	2,9	36,233	310
3	3	3	3	8	8	8	46,235	415
3	4	3	3	5,1	3,5	3,5	84,543	761
5	5	5	5	16,2	16,2	16,2	44,815	402
1	1	1	1	2,6	2,6	2,6	63,207	578
7	7	7	7	7,8	7,8	7,8	135,27	1215
1	1	1	1	4,3	4,3	4,3	25,086	231
1	1	1	1	3,7	3,7	3,7	59,702	539
3	3	3	3	12	12	12	33,528	300
3	3	3	3	14	14	14	14,371	129
5	5	5	5	25,4	25,4	25,4	26,925	244
8	8	8	8	15,2	15,2	15,2	54,658	486
2	2	2	2	9,4	9,4	9,4	27,698	244
22	22	22	22	48,2	48,2	48,2	62,773	560
4	4	4	4	3,9	3,9	3,9	151,45	1319
1	1	1	1	4,9	4,9	4,9	39,465	345
6	7	7	6	12,2	12,2	10,8	93,275	825
1	1	1	1	10,7	10,7	10,7	18,306	159
11	11	11	11	62,4	62,4	62,4	31,427	287
5	5	5	5	15,5	15,5	15,5	63,11	561
1	1	1	1	4,4	4,4	4,4	54,071	476
2	2	2	2	2,3	2,3	2,3	102,5	908
1	1	1	1	6,1	6,1	6,1	28,758	261
2	2	2	2	22,8	22,8	22,8	16,216	149
2	2	2	2	12,1	12,1	12,1	24,018	207
3	3	3	3	3,3	3,3	3,3	95,44	828
12	12	12	12	32,6	32,6	32,6	56,723	519
1	1	1	1	13,1	13,1	13,1	14,697	130
3	3	3	3	5,9	5,9	5,9	87,965	762
1	1	1	1	1,2	1,2	1,2	79,174	682
14	14	14	14	20,8	20,8	20,8	83,154	721
2	2	2	2	7,9	7,9	7,9	44,427	394
2	2	2	2	6	6	6	52,323	453
1	1	1	1	3,4	3,4	3,4	39,483	350
1	1	1	1	9,9	9,9	9,9	16,79	152
5	5	5	5	14,3	14,3	14,3	44,441	406
13	13	13	13	38,1	38,1	38,1	34,406	310
1	1	1	1	14,8	14,8	14,8	9,606	88
3	3	3	3	6,6	6,6	6,6	66,862	577

2	2	2	2	12	12	12	38,706	349
5	5	5	5	14	14	14	42,8	393
1	1	1	1	3,9	3,9	3,9	35,012	310
7	7	7	7	22,8	22,8	22,8	25,344	224
1	1	1	1	1,2	1,2	1,2	67,46	605
1	1	1	1	4,3	4,3	4,3	28,636	256
5	5	5	5	11,3	11,3	11,3	61,334	538
12	12	12	12	27,6	27,6	27,6	59,493	526
1	1	1	1	2,7	2,7	2,7	41,689	375
2	2	2	2	25,4	25,4	25,4	6,6877	59
10	10	10	10	20,3	20,3	20,3	70,229	640
7	7	7	7	8,1	8,1	8,1	96,552	835
1	1	1	1	4,8	4,8	4,8	23,512	210
9	9	9	9	26,9	26,9	26,9	55,098	476
1	1	1	1	16,8	16,8	16,8	12,252	113
5	5	5	5	14,2	14,2	14,2	34,206	310
1	1	1	1	1,3	1,3	1,3	95,496	834
5	5	5	5	30,8	30,8	30,8	18,477	159
4	4	4	4	18,8	18,8	18,8	29,076	255
1	1	1	1	13,9	13,9	13,9	13,962	122
8	8	8	8	28	28	28	34,184	314
3	3	3	3	5,8	5,8	5,8	59,978	532
3	3	3	3	7,9	7,9	7,9	45,869	403
2	2	2	2	9,3	9,3	9,3	23,758	205
11	11	11	11	38	38	38	32,916	295
3	3	3	3	12,8	12,8	12,8	24,723	219
1	1	1	1	4,5	4,5	4,5	36,574	314
1	1	1	1	0,3	0,3	0,3	285,9	2489
4	4	4	4	29,7	29,7	29,7	11,312	101
1	1	1	1	0,5	0,5	0,5	221,56	1932
1	1	1	1	2,9	2,9	2,9	48,312	420
2	2	2	2	4,6	4,6	4,6	66,689	583
5	5	5	5	12,6	12,6	12,6	65,004	573
1	1	1	1	2,4	2,4	2,4	72,227	619
1	1	1	1	3,2	3,2	3,2	34,872	308
5	5	5	5	18	18	18	35,414	327
2	2	2	2	8,1	8,1	8,1	36,19	320
2	2	2	2	5,2	5,2	5,2	39,724	347
5	5	5	5	23,3	23,3	23,3	36,802	344
1	1	1	1	1,9	1,9	1,9	104,3	902
2	2	2	2	8,7	8,7	8,7	35,287	312
1	1	1	1	13,7	13,7	13,7	8,1644	73
2	2	2	2	18,2	18,2	18,2	7,4516	66
2	2	2	2	20	20	20	13,741	120
1	1	1	1	13,7	13,7	13,7	8,381	73
1	1	1	1	20	20	20	9,6176	90
2	2	2	2	21,3	21,3	21,3	11,266	94
1	1	1	1	14,7	14,7	14,7	7,759	68
1	1	1	1	17,5	17,5	17,5	10,408	97
3	3	3	3	9	9	9	36,767	310

4	4	4	4	15,3	15,3	15,3	34,007	307

Sequence l	Q-value	Sequence (	Intensity	Intensity T	iBAQ	iBAQ TM_[	LFQ intens	MS/MS Co
231	0	25,1	1,67E+09	1,67E+09	1,52E+08	1,52E+08	1,66E+09	7
472;473;4	0	7,8	8,62E+07	8,62E+07	2,97E+06	2,97E+06	8,62E+07	5
169	0	23,1	2,50E+06	2,50E+06	3,57E+05	3,57E+05	2,50E+06	3
644;99	0	41,3	2,86E+08	2,86E+08	9,23E+06	9,23E+06	2,86E+08	27
593;570;4	0	46,2	3,71E+08	3,71E+08	1,43E+07	1,43E+07	3,71E+08	37
623	0	40,1	7,00E+07	7,00E+07	2,69E+06	2,69E+06	7,00E+07	13
645;707;5	0	46,7	1,68E+08	1,68E+08	4,30E+06	4,30E+06	1,68E+08	27
580;601;5	0	11,4	5,30E+07	5,30E+07	1,77E+06	1,77E+06	5,30E+07	9
2850	0	8,6	5,08E+06	5,08E+06	5,98E+04	5,98E+04	5,08E+06	5
362;362;3	1	0	0,00E+00	0,00E+00	NaN	NaN	0,00E+00	0
944	0,008658	0	7,10E+07	7,10E+07	NaN	NaN	7,10E+07	1
817	0,004695	0	5,08E+06	5,08E+06	NaN	NaN	5,08E+06	1
72	0,00463	11,1	1,19E+07	1,19E+07	3,98E+06	3,98E+06	1,19E+07	2
109;113	0	33	1,38E+07	1,38E+07	2,29E+06	2,29E+06	1,38E+07	1
147	0	8,2	2,33E+07	2,33E+07	3,88E+06	3,88E+06	2,33E+07	2
127	0	80,3	4,73E+08	4,73E+08	5,92E+07	5,92E+07	4,73E+08	15
385;423;5	0	4,4	4,85E+07	4,85E+07	9,71E+06	9,71E+06	4,85E+07	2
534	0	7,7	6,07E+07	6,07E+07	7,59E+06	7,59E+06	6,07E+07	5
251	0	50,2	1,27E+08	1,27E+08	1,59E+07	1,59E+07	1,27E+08	10
153	0	52,9	6,93E+07	6,93E+07	8,66E+06	8,66E+06	6,93E+07	6
151	0	22,5	3,70E+07	3,70E+07	4,11E+06	4,11E+06	3,70E+07	3
148	0	54,1	3,74E+07	3,74E+07	3,74E+06	3,74E+06	3,74E+07	10
416	0	5,5	1,12E+06	1,12E+06	4,14E+04	4,14E+04	1,12E+06	2
511	0	71,4	4,53E+08	4,53E+08	1,68E+07	1,68E+07	4,53E+08	34
479	0	23,2	4,75E+07	4,75E+07	1,90E+06	1,90E+06	4,75E+07	9
206	0	6,8	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
437	0	7,1	3,01E+06	3,01E+06	1,25E+05	1,25E+05	3,01E+06	1
458	0	43,4	1,47E+08	1,47E+08	6,70E+06	6,70E+06	1,47E+08	15
155	0	45,8	3,80E+07	3,80E+07	4,75E+06	4,75E+06	3,80E+07	6
78	0	12,8	1,17E+07	1,17E+07	2,93E+06	2,93E+06	1,17E+07	1
528;520	0	11	1,08E+07	1,08E+07	4,31E+05	4,31E+05	1,08E+07	5
309	0	8,7	1,30E+08	1,30E+08	6,87E+06	6,87E+06	1,30E+08	5
283	0	95,4	4,27E+09	4,27E+09	2,67E+08	2,67E+08	4,27E+09	47
918;947	0	19,3	1,92E+08	1,92E+08	6,40E+06	6,40E+06	1,92E+08	11
244	0	41	4,70E+07	4,70E+07	3,36E+06	3,36E+06	4,70E+07	15
128;128;1	0	25,8	4,72E+07	4,72E+07	7,87E+06	7,87E+06	4,72E+07	6
565	0	2,7	1,91E+05	1,91E+05	7,34E+03	7,34E+03	1,91E+05	0
209	0	25,8	3,42E+07	3,42E+07	3,42E+06	3,42E+06	3,42E+07	7
309	0	39,2	6,97E+08	6,97E+08	6,34E+07	6,34E+07	6,97E+08	18
617	0	25,4	6,63E+07	6,63E+07	2,01E+06	2,01E+06	6,63E+07	13
375	0,008475	2,4	9,20E+05	9,20E+05	4,18E+04	4,18E+04	9,20E+05	1
545	0	57,6	8,44E+08	8,44E+08	2,81E+07	2,81E+07	8,44E+08	47
59	0	35,6	8,36E+07	8,36E+07	2,79E+07	2,79E+07	8,36E+07	4
457	0	68,7	1,80E+09	1,80E+09	7,83E+07	7,83E+07	1,80E+09	43
368	0	77,2	1,97E+09	1,97E+09	9,37E+07	9,37E+07	1,97E+09	66
215	0	12,6	1,40E+07	1,40E+07	1,00E+06	1,00E+06	1,40E+07	2
215	0	60	9,45E+07	9,45E+07	9,45E+06	9,45E+06	9,45E+07	12
488	1	2,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
329	0	12,5	8,76E+06	8,76E+06	4,87E+05	4,87E+05	8,76E+06	4

94	0	35,1	4,05E+07	4,05E+07	6,75E+06	6,75E+06	4,05E+07	6
212	0	61,3	9,73E+07	9,73E+07	8,11E+06	8,11E+06	9,73E+07	19
85	0,004546	9,4	6,27E+06	6,27E+06	6,27E+06	6,27E+06	6,27E+06	1
165;165	0	9,1	1,88E+06	1,88E+06	2,09E+05	2,09E+05	1,88E+06	1
60	0	20	5,27E+06	5,27E+06	2,64E+06	2,64E+06	5,27E+06	2
530	0	11,5	5,29E+06	5,29E+06	2,03E+05	2,03E+05	5,29E+06	2
613;613	0	4,9	1,10E+06	1,10E+06	3,67E+04	3,67E+04	1,10E+06	1
566	0	11,7	4,23E+06	4,23E+06	1,63E+05	1,63E+05	4,23E+06	4
1045;1054	0	2,5	2,01E+06	2,01E+06	4,18E+04	4,18E+04	2,01E+06	2
574	0	25,4	4,49E+08	4,49E+08	2,14E+07	2,14E+07	4,49E+08	17
267	0	26,2	1,62E+07	1,62E+07	1,08E+06	1,08E+06	1,62E+07	5
663	0	16,9	1,88E+07	1,88E+07	6,27E+05	6,27E+05	1,88E+07	13
393	0	6,9	1,45E+06	1,45E+06	6,60E+04	6,60E+04	1,45E+06	2
691	0	1,7	9,92E+05	9,92E+05	3,01E+04	3,01E+04	9,92E+05	1
393	0	14	3,20E+07	3,20E+07	1,68E+06	1,68E+06	3,20E+07	5
1071	0	4,8	1,45E+07	1,45E+07	2,34E+05	2,34E+05	1,45E+07	6
334	0	6	4,93E+05	4,93E+05	3,08E+04	3,08E+04	4,93E+05	1
143	0	9,1	2,74E+06	2,74E+06	3,43E+05	3,43E+05	2,74E+06	1
318;307	0	53,5	1,31E+09	1,31E+09	6,87E+07	6,87E+07	1,31E+09	21
191	0	11	6,73E+06	6,73E+06	1,12E+06	1,12E+06	6,73E+06	2
778	0	16,2	2,38E+07	2,38E+07	5,96E+05	5,96E+05	2,38E+07	8
572	0	48,1	1,24E+08	1,24E+08	3,88E+06	3,88E+06	1,24E+08	23
442	0	8,6	5,73E+06	5,73E+06	6,37E+05	6,37E+05	5,73E+06	3
510	0	13,3	8,11E+06	8,11E+06	4,06E+05	4,06E+05	8,11E+06	5
335	0	7,5	2,71E+06	2,71E+06	1,42E+05	1,42E+05	2,71E+06	2
704	0	1,7	2,28E+06	2,28E+06	5,17E+04	5,17E+04	2,28E+06	1
462	0,008368	2,8	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
266	0	33,8	9,68E+07	9,68E+07	6,05E+06	6,05E+06	9,68E+07	9
274	0,008403	3,6	7,64E+05	7,64E+05	5,46E+04	5,46E+04	7,64E+05	1
428;412;42	0	6,8	1,94E+06	1,94E+06	8,44E+04	8,44E+04	1,94E+06	2
559	0	6,8	2,03E+07	2,03E+07	9,24E+05	9,24E+05	2,03E+07	3
66	0	27,3	1,57E+07	1,57E+07	7,83E+06	7,83E+06	1,57E+07	2
1083	0	8	1,33E+07	1,33E+07	2,12E+05	2,12E+05	1,33E+07	6
311	0	68,2	3,70E+08	3,70E+08	2,31E+07	2,31E+07	3,70E+08	35
387	0	47,5	3,66E+07	3,66E+07	2,44E+06	2,44E+06	3,66E+07	11
295	0,008439	4,4	2,41E+06	2,41E+06	1,42E+05	1,42E+05	2,41E+06	1
558	0	12,7	9,55E+06	9,55E+06	4,55E+05	4,55E+05	9,55E+06	4
383	0	6,8	9,47E+05	9,47E+05	4,31E+04	4,31E+04	9,47E+05	1
473	0	3,4	3,19E+06	3,19E+06	1,77E+05	1,77E+05	3,19E+06	3
247	0,004425	6,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
497	0,004505	3,4	1,45E+06	1,45E+06	5,80E+04	5,80E+04	1,45E+06	1
360	0	7,8	8,56E+06	8,56E+06	4,28E+05	4,28E+05	8,56E+06	2
160	0	11,2	2,62E+06	2,62E+06	5,24E+05	5,24E+05	2,62E+06	3
760	0	2	3,68E+06	3,68E+06	1,47E+05	1,47E+05	3,68E+06	2
953	0	2,3	7,17E+06	7,17E+06	2,24E+05	2,24E+05	7,17E+06	1
610	0	1,6	6,40E+05	6,40E+05	2,78E+04	2,78E+04	6,40E+05	1
369	0	17,9	7,74E+06	7,74E+06	6,45E+05	6,45E+05	7,74E+06	5
360	0	10,6	2,00E+06	2,00E+06	1,05E+05	1,05E+05	2,00E+06	4
444	0	8,3	3,18E+07	3,18E+07	1,51E+06	1,51E+06	3,18E+07	4
700;694	0	17,9	6,91E+07	6,91E+07	1,82E+06	1,82E+06	6,91E+07	13

174	0	62,1	3,91E+07	3,91E+07	3,91E+06	3,91E+06	3,91E+07	13
759;753	0	12,4	6,65E+07	6,65E+07	1,85E+06	1,85E+06	6,65E+07	8
649	0	23,9	3,97E+07	3,97E+07	9,92E+05	9,92E+05	3,97E+07	14
509	0	4,3	4,15E+05	4,15E+05	1,66E+04	1,66E+04	4,15E+05	2
307	0	14	8,47E+05	8,47E+05	5,65E+04	5,65E+04	8,47E+05	1
324	0	9	1,81E+06	1,81E+06	1,01E+05	1,01E+05	1,81E+06	2
436	0	2,3	1,38E+06	1,38E+06	5,31E+04	5,31E+04	1,38E+06	1
513	0	27,1	3,33E+07	3,33E+07	1,33E+06	1,33E+06	3,33E+07	7
345	0	28,4	2,02E+07	2,02E+07	1,26E+06	1,26E+06	2,02E+07	11
623	0	27,1	2,88E+07	2,88E+07	8,01E+05	8,01E+05	2,88E+07	20
1661	0	5,2	1,13E+07	1,13E+07	1,39E+05	1,39E+05	1,13E+07	6
496	0	4,4	3,99E+06	3,99E+06	1,60E+05	1,60E+05	3,99E+06	3
840	0	23,7	5,07E+07	5,07E+07	1,54E+06	1,54E+06	5,07E+07	21
187	0,004651	4,3	9,89E+05	9,89E+05	1,41E+05	1,41E+05	9,89E+05	2
1501	0	3,5	6,28E+06	6,28E+06	8,85E+04	8,85E+04	6,28E+06	5
385	1	2,1	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
747	0	1,9	2,29E+06	2,29E+06	6,03E+04	6,03E+04	2,29E+06	2
129	0	30,2	1,11E+07	1,11E+07	1,23E+06	1,23E+06	1,11E+07	5
203	0	12,8	6,79E+06	6,79E+06	5,66E+05	5,66E+05	6,79E+06	3
456	0	5,9	4,80E+06	4,80E+06	2,18E+05	2,18E+05	4,80E+06	2
164	0	11	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
850	0	45,3	2,16E+08	2,16E+08	4,32E+06	4,32E+06	2,16E+08	32
587	0	4,1	5,65E+06	5,65E+06	2,26E+05	2,26E+05	5,65E+06	2
222	0	23,9	1,53E+07	1,53E+07	1,70E+06	1,70E+06	1,53E+07	5
695	0	1,4	3,36E+06	3,36E+06	1,05E+05	1,05E+05	3,36E+06	1
773	0	7,1	1,29E+07	1,29E+07	3,70E+05	3,70E+05	1,29E+07	5
303	0,004367	4	2,85E+06	2,85E+06	1,58E+05	1,58E+05	2,85E+06	1
198	0	9,6	2,08E+07	2,08E+07	1,74E+06	1,74E+06	2,08E+07	2
430	0	15,1	1,20E+07	1,20E+07	5,99E+05	5,99E+05	1,20E+07	7
817	0	8,1	9,92E+06	9,92E+06	3,20E+05	3,20E+05	9,92E+06	5
2672	0	0,9	4,55E+06	4,55E+06	3,18E+04	3,18E+04	4,55E+06	1
193	0	6,7	1,38E+06	1,38E+06	1,38E+05	1,38E+05	1,38E+06	1
587	0	3,7	1,08E+07	1,08E+07	6,00E+05	6,00E+05	1,08E+07	2
80	0	12,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
511	0	6,3	2,38E+06	2,38E+06	8,50E+04	8,50E+04	2,38E+06	1
302	0	29,1	2,26E+07	2,26E+07	1,26E+06	1,26E+06	2,26E+07	7
540	0	11,1	1,48E+07	1,48E+07	5,49E+05	5,49E+05	1,48E+07	6
197	0	20,3	4,79E+07	4,79E+07	6,84E+06	6,84E+06	4,79E+07	4
743	0	3,9	2,69E+06	2,69E+06	7,07E+04	7,07E+04	2,69E+06	1
181	0	24,3	2,12E+07	2,12E+07	2,36E+06	2,36E+06	2,12E+07	4
77	0	44,2	1,22E+08	1,22E+08	2,44E+07	2,44E+07	1,22E+08	7
311	0	58,8	1,21E+08	1,21E+08	6,70E+06	6,70E+06	1,21E+08	19
460	0,004673	2	1,98E+06	1,98E+06	7,61E+04	7,61E+04	1,98E+06	1
976	0	10,5	3,11E+07	3,11E+07	7,59E+05	7,59E+05	3,11E+07	10
429	0	5,8	7,74E+06	7,74E+06	7,74E+05	7,74E+05	7,74E+06	2
188	0	44,1	7,04E+07	7,04E+07	5,03E+06	5,03E+06	7,04E+07	5
347	0	15,6	2,91E+06	2,91E+06	1,82E+05	1,82E+05	2,91E+06	2
134	0	48,5	9,58E+06	9,58E+06	2,39E+06	2,39E+06	9,58E+06	10
490	0	12,2	4,63E+06	4,63E+06	2,73E+05	2,73E+05	4,63E+06	3
284	0	40,5	2,28E+07	2,28E+07	1,20E+06	1,20E+06	2,28E+07	6

1876;1895	0	6,5	2,43E+07	2,43E+07	3,33E+05	3,33E+05	2,43E+07	11
644	0	10,4	6,10E+06	6,10E+06	2,11E+05	2,11E+05	6,10E+06	4
411	1	4,9	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
310	0	12,3	4,20E+06	4,20E+06	2,10E+05	2,10E+05	4,20E+06	4
376;393	0,004386	2,4	1,82E+06	1,82E+06	8,27E+04	8,27E+04	1,82E+06	1
300	0	3,3	2,16E+06	2,16E+06	1,20E+05	1,20E+05	2,16E+06	1
349	0	5,4	1,88E+06	1,88E+06	1,88E+05	1,88E+05	1,88E+06	2
570;570	0	11,9	4,78E+06	4,78E+06	2,39E+05	2,39E+05	4,78E+06	2
718	0	1,4	1,20E+06	1,20E+06	3,63E+04	3,63E+04	1,20E+06	1
70	0	38,6	1,14E+06	1,14E+06	2,85E+05	2,85E+05	1,14E+06	2
1515	0	1,8	2,70E+06	2,70E+06	3,55E+04	3,55E+04	2,70E+06	1
310	0,004566	2,9	1,02E+07	1,02E+07	1,14E+06	1,14E+06	1,02E+07	1
415	0	8	3,20E+06	3,20E+06	1,68E+05	1,68E+05	3,20E+06	3
761	0	5,1	2,43E+07	2,43E+07	6,95E+05	6,95E+05	2,43E+07	5
402	0	16,2	1,30E+07	1,30E+07	1,18E+06	1,18E+06	1,30E+07	3
578	0	2,6	2,14E+06	2,14E+06	9,28E+04	9,28E+04	2,14E+06	2
1215	0	7,8	1,54E+07	1,54E+07	2,52E+05	2,52E+05	1,54E+07	9
231	0,004608	4,3	1,04E+06	1,04E+06	6,91E+04	6,91E+04	1,04E+06	1
539	0,004484	3,7	4,94E+05	4,94E+05	1,37E+04	1,37E+04	4,94E+05	2
300	0	12	3,58E+06	3,58E+06	2,56E+05	2,56E+05	3,58E+06	4
129	0	14	1,54E+07	1,54E+07	2,20E+06	2,20E+06	1,54E+07	3
244	0	25,4	1,79E+07	1,79E+07	1,49E+06	1,49E+06	1,79E+07	5
486	0	15,2	4,00E+07	4,00E+07	1,74E+06	1,74E+06	4,00E+07	10
244	0	9,4	2,57E+06	2,57E+06	1,61E+05	1,61E+05	2,57E+06	2
560	0	48,2	4,28E+08	4,28E+08	1,34E+07	1,34E+07	4,28E+08	37
1319	0	3,9	6,27E+06	6,27E+06	1,18E+05	1,18E+05	6,27E+06	4
345	0	4,9	6,05E+06	6,05E+06	5,04E+05	5,04E+05	6,05E+06	1
825	0	12,2	4,11E+07	4,11E+07	8,75E+05	8,75E+05	4,11E+07	9
159	0,008621	10,7	1,12E+06	1,12E+06	1,39E+05	1,39E+05	1,12E+06	1
287	0	62,4	1,77E+08	1,77E+08	1,26E+07	1,26E+07	1,77E+08	14
561	0	15,5	1,90E+07	1,90E+07	7,61E+05	7,61E+05	1,90E+07	6
476	0	4,4	7,52E+05	7,52E+05	4,70E+04	4,70E+04	7,52E+05	2
908	0	2,3	1,11E+06	1,11E+06	4,27E+04	4,27E+04	1,11E+06	2
261	0	6,1	9,91E+05	9,91E+05	7,62E+04	7,62E+04	9,91E+05	2
149	0	22,8	1,71E+06	1,71E+06	1,55E+05	1,55E+05	1,71E+06	2
207	0	12,1	6,73E+06	6,73E+06	5,18E+05	5,18E+05	6,73E+06	3
828	0	3,3	7,93E+06	7,93E+06	1,69E+05	1,69E+05	7,93E+06	3
519	0	32,6	3,91E+07	3,91E+07	1,30E+06	1,30E+06	3,91E+07	18
130	0	13,1	1,01E+06	1,01E+06	1,68E+05	1,68E+05	1,01E+06	1
762	0	5,9	2,06E+07	2,06E+07	7,92E+05	7,92E+05	2,06E+07	6
682	0,004464	1,2	3,99E+07	3,99E+07	1,17E+06	1,17E+06	3,99E+07	1
721	0	20,8	6,13E+07	6,13E+07	1,70E+06	1,70E+06	6,13E+07	16
394	0	7,9	3,91E+06	3,91E+06	1,56E+05	1,56E+05	3,91E+06	4
453	0	6	4,36E+06	4,36E+06	2,18E+05	2,18E+05	4,36E+06	2
350	0	3,4	1,32E+06	1,32E+06	1,10E+05	1,10E+05	1,32E+06	1
152	0,004587	9,9	8,21E+05	8,21E+05	1,17E+05	1,17E+05	8,21E+05	1
406	0	14,3	1,71E+07	1,71E+07	1,07E+06	1,07E+06	1,71E+07	4
310	0	38,1	4,39E+08	4,39E+08	2,58E+07	2,58E+07	4,39E+08	24
88	0	14,8	8,62E+06	8,62E+06	1,72E+06	1,72E+06	8,62E+06	1
577	0	6,6	8,76E+06	8,76E+06	3,37E+05	3,37E+05	8,76E+06	4

349	0	12	6,73E+06	6,73E+06	3,74E+05	3,74E+05	6,73E+06	1
393	0	14	6,84E+06	6,84E+06	2,85E+05	2,85E+05	6,84E+06	4
310	0	3,9	1,32E+06	1,32E+06	9,46E+04	9,46E+04	1,32E+06	1
224	0	22,8	3,69E+08	3,69E+08	4,62E+07	4,62E+07	3,69E+08	9
605	0,008333	1,2	1,39E+06	1,39E+06	8,70E+04	8,70E+04	1,39E+06	1
256	0,008511	4,3	1,01E+06	1,01E+06	8,41E+04	8,41E+04	1,01E+06	1
538	0	11,3	1,62E+07	1,62E+07	5,38E+05	5,38E+05	1,62E+07	4
526	0	27,6	4,11E+07	4,11E+07	1,42E+06	1,42E+06	4,11E+07	13
375	0,004525	2,7	1,43E+06	1,43E+06	7,13E+04	7,13E+04	1,43E+06	1
59	0	25,4	2,07E+07	2,07E+07	5,18E+06	5,18E+06	2,07E+07	2
640;634	0	20,3	4,84E+07	4,84E+07	1,51E+06	1,51E+06	4,84E+07	11
835	0	8,1	1,00E+07	1,00E+07	2,17E+05	2,17E+05	1,00E+07	8
210	0,004348	4,8	3,66E+06	3,66E+06	9,14E+05	9,14E+05	3,66E+06	1
476	0	26,9	2,43E+07	2,43E+07	1,01E+06	1,01E+06	2,43E+07	11
113	0	16,8	2,85E+06	2,85E+06	9,50E+05	9,50E+05	2,85E+06	2
310	0	14,2	2,42E+07	2,42E+07	1,42E+06	1,42E+06	2,42E+07	4
834	0,004329	1,3	1,05E+06	1,05E+06	2,61E+04	2,61E+04	1,05E+06	1
159	0	30,8	2,77E+07	2,77E+07	3,46E+06	3,46E+06	2,77E+07	4
255	0	18,8	3,38E+06	3,38E+06	1,99E+05	1,99E+05	3,38E+06	5
122	0,004405	13,9	9,50E+05	9,50E+05	4,75E+05	4,75E+05	9,50E+05	1
314	0	28	4,21E+07	4,21E+07	3,01E+06	3,01E+06	4,21E+07	11
532	0	5,8	6,49E+06	6,49E+06	2,95E+05	2,95E+05	6,49E+06	2
403	0	7,9	6,60E+06	6,60E+06	3,30E+05	3,30E+05	6,60E+06	2
205	0	9,3	3,98E+06	3,98E+06	3,06E+05	3,06E+05	3,98E+06	2
295	0	38	5,54E+07	5,54E+07	2,92E+06	2,92E+06	5,54E+07	8
219	0	12,8	3,81E+06	3,81E+06	3,81E+05	3,81E+05	3,81E+06	3
314	0	4,5	9,79E+05	9,79E+05	5,15E+04	5,15E+04	9,79E+05	1
2489	1	0,3	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
101	0	29,7	8,89E+07	8,89E+07	1,48E+07	1,48E+07	8,89E+07	5
1932	0,008584	0,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1
420	0	2,9	9,69E+05	9,69E+05	4,04E+04	4,04E+04	9,69E+05	1
583	0	4,6	4,76E+06	4,76E+06	1,49E+05	1,49E+05	4,76E+06	1
573	0	12,6	4,62E+07	4,62E+07	1,40E+06	1,40E+06	4,62E+07	7
619	0,008547	2,4	2,51E+06	2,51E+06	9,64E+04	9,64E+04	2,51E+06	1
308	1	3,2	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
327	0	18	1,51E+07	1,51E+07	1,08E+06	1,08E+06	1,51E+07	4
320	0	8,1	1,01E+07	1,01E+07	1,01E+06	1,01E+06	1,01E+07	1
347	0	5,2	4,88E+06	4,88E+06	2,32E+05	2,32E+05	4,88E+06	2
344	0	23,3	9,40E+06	9,40E+06	5,22E+05	5,22E+05	9,40E+06	5
902	0,004444	1,9	6,53E+05	6,53E+05	1,39E+04	1,39E+04	6,53E+05	1
312	0	8,7	7,37E+06	7,37E+06	4,91E+05	4,91E+05	7,37E+06	3
73	0	13,7	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
66	0	18,2	2,22E+07	2,22E+07	7,39E+06	7,39E+06	2,22E+07	3
120	0	20	4,66E+06	4,66E+06	7,76E+05	7,76E+05	4,66E+06	3
73	0	13,7	5,17E+07	5,17E+07	1,72E+07	1,72E+07	5,17E+07	2
90	1	20	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
94	0	21,3	3,30E+05	3,30E+05	4,12E+04	4,12E+04	3,30E+05	2
68	0	14,7	1,06E+07	1,06E+07	2,65E+06	2,65E+06	1,06E+07	2
97	1	17,5	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0
310	0	9	1,22E+07	1,22E+07	8,69E+05	8,69E+05	1,22E+07	4

307	0	15,3	1,90E+07	1,90E+07	1,12E+06	1,12E+06	1,90E+07	4

MS/MS Co	Only identi	Reverse	Potential c	id	Peptide ID	Peptide is	Mod. pept	Evidence ID
7			+	0	454;602;68	True;True;	454;602;68	528;713;81
5			+	1	50;562;575	True;False;	50;562;575	59;666;681
3			+	2	888;962;12	True;True;	891;965;12	1050;1136
27			+	3	15;168;281	True;True;	15;168;281	18;199;330
37			+	4	13;14;17;5	True;True;	13;14;17;5	16;17;20;6
13			+	5	132;300;32	True;True;	132;300;32	158;350;37
27			+	6	83;256;257	True;True;	83;256;257	100;301;30
9			+	7	256;257;28	False;False	256;257;28	301;302;32
5			+	8	362;363;36	True;True;	362;363;36	422;423;42
0	+	+		9	427	True	427	494
1		+		10	688	True	689	816
1		+		11	851	True	854	1005
2				12	673	True	674	798;799
1				13	408;708;11	True;True;	408;709;11	473;839;13
2				14	59	True	59	70;71
15				15	35;77;207;	True;True;	35;77;207;	40;41;93;9
2				16	171;354	True;True	171;354	202;413
5				17	70;976	True;True	70;979	84;85;1155
10				18	42;198;199	True;True;	42;198;199	48;234;235
6				19	314;812;82	True;True;	314;815;82	367;958;97
3				20	202;629;93	True;True;	202;629;93	238;744;10
10				21	110;191;81	True;True;	110;191;81	132;226;96
2				22	87;1229	True;True	87;1235	104;1456
34				23	33;103;241	True;True;	33;103;241	37;38;122;
9				24	41;57;98;5	True;True;	41;57;98;5	47;68;116;
0				25	237	True	237	279
1				26	413;524	True;True	413;524	478;621
15				27	201;242;25	True;True;	201;242;25	237;286;30
6				28	197;586;58	True;True;	197;586;58	233;695;69
1				29	130	True	130	155
5				30	46;177;217	True;True;	46;177;217	52;210;255
5				31	815;816;12	True;True;	818;819;12	961;962;14
47				32	47;48;94;1	True;True;	47;48;94;1	53;54;55;5
11				33	316;390;55	True;True;	316;390;55	369;453;65
15				34	102;430;55	True;True;	102;430;55	121;497;65
6				35	239;484;92	True;True;	239;484;93	282;283;56
0				36	0;727	True;True	0;729	0;860
7				37	244;697;73	True;True;	244;698;73	288;826;87
18				38	8;174;175;	True;True;	8;174;175;	9;205;206;
13				39	53;65;138;	True;True;	53;65;138;	62;63;78;1
1				40	508	True	508	599
47				41	71;81;97;1	True;True;	71;81;97;1	86;98;115;
4				42	208;1024;1	True;True;	208;1027;1	245;246;12
43				43	1;66;67;10	True;True;	1;66;67;10	1;79;80;81
66				44	91;117;121	True;True;	91;117;121	109;139;14
2				45	196;1192	True;True	196;1197	232;1413
12				46	359;407;52	True;True;	359;407;52	419;472;62
0	+			47	943	True	946	1113
4				48	246;511;51	True;True;	246;511;51	290;602;61

6	49	31;746;10	True;True;	31;748;10	34;35;880;
19	50	158;325;3	True;True;	158;325;3	186;187;3
1	51	861	True	864	1015
1	52	99	True	99	118
2	53	434	True	434	501;502
2	54	221;384;9	True;True;	221;384;1	260;447;1
1	55	451;852	True;True	451;855	524;1006
4	56	425;570;7	True;True;	425;570;7	491;492;6
2	57	43;360	True;True	43;360	49;420
17	58	27;128;35	True;True;	27;128;35	30;151;15
5	59	133;415;5	True;True;	133;415;5	159;480;6
13	60	440;480;5	True;True;	440;480;5	510;562;7
2	61	779;874	True;True	782;877	919;1032
1	62	387	True	387	450
5	63	20;915;96	True;True;	20;918;97	23;1080;1
6	64	92;249;30	True;True;	92;249;30	110;293;3
1	65	894	True	897	1056
1	66	399	True	399	462
21	67	61;238;31	True;True;	61;238;31	73;280;28
2	68	670;1255	True;True	671;1261	794;1488
8	69	134;179;2	True;True;	134;179;2	160;212;2
23	70	11;206;32	True;True;	11;206;32	14;242;37
3	71	469;684	True;True	469;685	549;812
5	72	296;297;4	True;True;	296;297;4	346;347;4
2	73	230;1214	True;True	230;1220	271;1440
1	74	1166	True	1169	1381
0	75	867	True	870	1022
9	76	111;148;1	True;True;	111;148;1	133;174;2
1	77	54	True	54	64
2	78	751;1013	True;True	753;1016	885;1202
3	79	231;533;5	True;True;	231;533;5	272;632;6
2	80	414;902	True;True	414;905	479;1065
6	81	60;69;373;	True;True;	60;69;373;	72;83;434;
35	82	72;88;190;	True;True;	72;88;190;	87;105;22
11	83	21;170;35	True;True;	21;170;35	24;201;41
1	84	1167	True	1170	1382
4	85	34;640;84	True;True;	34;641;84	39;759;99
1	86	250;710	True;True	250;711	294;841
3	87	45;663;66	True;True;	45;664;66	51;786;78
0	88	716	True	718	848
1	89	911	True	914	1076
2	90	336;464;1	True;True;	336;464;1	389;542;1
3	91	912	True	915	1077
2	92	228;690	True;True	228;691	269;818
1	93	162;333	True;True	162;333	191;386
1	94	1232	True	1238	1459
5	95	1015;1087	True;True;	1018;1090	1205;1286
4	96	101;478;1	True;True;	101;478;1	120;560;1
4	97	178;577;6	True;True;	178;577;6	211;684;7
13	98	40;141;16	True;True;	40;141;16	46;167;19

13		99	147;157;21	True;True;	147;157;21	173;185;25	
8		100	115;209;27	True;True;	115;209;27	137;247;31	
14		101	80;89;169;	True;True;	80;89;169;	97;106;107	
2		102	276;667	True;True	276;668	324;791	
1		103	145;319;9	True;True;	145;319;9	171;372;11	
2		104	335;604;71	True;True;	335;604;72	388;715;85	
1		105	1041	True	1044	1232	
7		106	84;343;369	True;True;	84;343;369	101;399;43	
11		107	4;704;705;	True;True;	4;705;706;	5;835;836;	
20		108	375;428;42	True;True;	375;428;42	436;495;49	
6		109	26;232;778	True;True;	26;232;781	29;273;918	
3		110	172;948	True;True	172;951	203;1120	
21		111	39;120;140	True;True;	39;120;140	45;142;166	
2		112	1048	True	1051	1240	
5		113	114;149;27	True;True;	114;149;27	136;175;31	
0	+	114	783	True	786	923	
2		115	637	True	638	756	
5		116	166;236;27	True;True;	166;236;27	196;278;32	
3		117	165;245	True;True	165;245	195;289	
2		118	1064;1122	True;True	1067;1125	1260;1328	
0		119	908	True	911	1072;1073	
32		120	9;24;82;85	True;True;	9;24;82;85	10;11;27;9	
2		121	619;1066	True;True	619;1069	733;1262	
5		122	383;613;10	True;True;	383;613;10	446;725;72	
1		123	1096	True	1099	1298	
5		124	419;547;61	True;True;	419;547;61	485;648;72	
1		125	468	True	468	548	
2		126	3;1175	True;True	3;1178	4;1392	
7		127	403;444;59	True;True;	403;444;59	467;514;51	
5		128	499;595;61	True;True;	499;595;61	588;706;72	
1		129	30;86	True;True	30;86	33;103	
1		130	1164	True	1167	1379	
2		131	261;1179;1	True;True;	261;1183;1	306;1398;1	
1		132	691	True	692	819	
1		133	492;1106	True;True	492;1109	579;1309	
7		134	122;152;33	True;True;	122;152;33	144;179;38	
6		135	450;472;57	True;True;	450;472;57	523;552;67	
4		136	445;680;11	True;True;	445;681;11	516;806;80	
1		137	275;931	True;True	275;934	323;1099	
4		138	377;590;95	True;True;	377;590;95	438;699;11	
7		139	289;290;48	True;True;	289;290;48	339;340;56	
19		140	116;143;21	True;True;	116;143;21	138;169;25	
1		141	23	True	23	26	
10		142	12;227;298	True;True;	12;227;298	15;268;348	
2		143	1131;1161	True;True	1134;1164	1337;1375	
5		144	203;446;66	True;True;	203;446;66	239;517;51	
2		145	347;901;12	True;True;	347;904;12	405;1064;1	
10		146	341;394;64	True;True;	341;394;64	396;457;76	
3		147	95;167;740	True;True;	95;167;742	113;197;19	
6		148	38;212;269	True;True;	38;212;269	44;250;316	

11		149	75;144;47	True;True;	75;144;47	90;91;170;
4		150	113;266;2	True;True;	113;266;2	135;312;3
0	+	151	426	True	426	493
4		152	6;73;1191	True;True;	6;73;1196	7;88;1412
1		153	583	True	583	691
1		154	742	True	744	876
2		155	68;447;44	True;True;	68;447;44	82;519;52
2		156	107;352;5	True;True;	107;352;5	129;411;6
1		157	125	True	125	148
2		158	51;1221	True;True	51;1227	60;1447
1		159	74;860	True;True	74;863	89;1014
1		160	100	True	100	119
3		161	135;155;4	True;True;	135;155;4	161;183;5
5		162	310;738;9	False;True;	310;740;9	363;872;1
3		163	501;539;6	True;True;	501;539;6	590;591;6
2		164	58	True	58	69
9		165	56;286;54	True;True;	56;286;54	66;67;336;
1		166	392	True	392	455
2		167	965	True	968	1140
4		168	515;707;1	True;True;	515;708;1	608;838;1
3		169	416;531;1	True;True;	416;531;1	481;629;1
5		170	96;247;24	True;True;	96;247;24	114;291;2
10		171	216;537;7	True;True;	216;537;7	254;637;6
2		172	62;1197	True;True	62;1202	74;1418
37		173	10;36;109;	True;True;	10;36;109;	12;13;42;1
4		174	748;940;1	True;True;	750;943;1	882;1109;1
1		175	234	True	234	276
9		176	224;310;4	True;True;	224;310;4	264;363;4
1		177	76	True	76	92
14		178	16;63;64;1	True;True;	16;63;64;1	19;75;76;7
6		179	78;412;42	True;True;	78;412;42	95;477;48
2		180	1227	True	1233	1454
2		181	694;1001	True;True	695;1004	823;1187
2		182	294	True	294	344
2		183	18;25	True;True	18;25	21;28
3		184	331;489	True;True	331;489	384;574;5
3		185	49;647;73	True;True;	49;648;73	58;766;86
18		186	104;223;3	True;True;	104;223;3	124;263;3
1		187	1183	True	1188	1403
6		188	406;1134;1	True;True;	406;1137;1	471;1340;1
1		189	685	True	686	813
16		190	187;222;3	True;True;	187;222;3	221;261;2
4		191	449;959	True;True	449;962	521;522;1
2		192	653;1021	True;True	654;1024	773;1211
1		193	19	True	19	22
1		194	846	True	849	999
4		195	119;550;8	True;True;	119;550;8	141;651;1
24		196	2;105;182;	True;True;	2;105;182;	2;3;125;12
1		197	810	True	813	956
4		198	139;558;1	True;True;	139;558;1	165;661;1

1		199	37;1128	True;True	37;1131	43;1334
4		200	504;573;1(	True;True;	504;573;1(	594;679;1:
1		201	957	True	960	1130
9		202	136;137;4	True;True;	136;137;4	162;163;5
1		203	676	True	677	802
1		204	251	True	251	295
4		205	153;306;4	True;True;	153;306;4	180;358;5(
13		206	5;112;163;	True;True;	5;112;163;	6;134;192;
1		207	28	True	28	31
2		208	192;853	True;True	192;856	227;1007
11		209	29;44;189;	True;True;	29;44;189;	32;50;224;
8		210	498;500;5	True;True;	498;500;5	587;589;6
1		211	624	True	624	739
11		212	32;173;17(	True;True;	32;173;17(	36;204;208
2		213	807	True	810	953
4		214	193;339;6	True;True;	193;339;6	228;229;3
1		215	1171	True	1174	1386
4		216	142;219;7(	True;True;	142;219;7(	168;257;8
5		217	970;1083;1	True;True;	973;1086;1	1147;1282
1		218	118	True	118	140
11		219	435;692;6	True;True;	435;693;6	503;504;8
2		220	470;641;1	True;True;	470;642;1	550;760;1
2		221	90;405;46	True;True;	90;405;46	108;470;5
2		222	253;1155	True;True	253;1158	297;1369
8		223	186;563;5	True;True;	186;563;5	220;667;7(
3		224	79;93;156	True;True;	79;93;156	96;111;18
1		225	754	True	756	888
0	+	226	1053	True	1056	1246
5		227	417;750;8	True;True;	417;752;8	482;483;8
1		228	561	True	561	665
1		229	471	True	471	551
1		230	477;1065	True;True	477;1068	559;1261
7		231	22;108;25	True;True;	22;108;25	25;130;30(
1		232	278	True	278	327
0	+	233	721	True	723	854
4		234	204;397;5	True;True;	204;397;5	240;460;6
1		235	612;803	True;True	612;806	724;949
2		236	7;574	True;True	7;574	8;680
5		237	55;696;89	True;True;	55;697;90	65;825;10
1		238	353	True	353	412
3		239	1080;1162	True;True	1083;1165	1279;1376
0		240	591	True	591	700
3		241	438;439	True;True	438;439	507;508;5(
3		242	293;345	True;True	293;345	343;402
2		243	870	True	873	1025;1026
0	+	244	905	True	908	1069
2		245	731;804	True;True	733;807	864;950
2		246	614	True	614	727;728
0	+	247	1005	True	1008	1193
4		248	164;493;5	True;True;	164;493;5	193;194;5

4	249	252;292;48	True;True;	252;292;48	296;342;57

MS/MS IDs	Best MS/M	Oxidation (	Oxidation (M) site positions
656;878;1(	656;878;1(	0	94
78;820;83	78;820;83	1	119
1300;1408	1300;1408	2	95
26;255;42(	26;255;42(	3;4;5;6	259;262;296;493
20;21;22;2	20;23;29;8	1;7;8;9	150;271;306;321
202;203;2(	204;444;4	10;11;12;1	157;234;269;276;286
128;389;3	128;389;3	15;16	263;343
389;390;4	389;390;419;924;982;1099;1369;1808		
534;535;5	534;535;539;579;1239		
615	615	17	183
1004	1004		
1252	1252		
983;984	983		
591;1037;1	591;1037;1	18	86
90;91	90		
56;57;119;	57;122;313	19	56
260;518	260;518		
105;106;1(	106;1442		
67;302;30	67;302;30	20;21	167;232
464;1188;1	464;1188;1	22;23	41;124
308;916;1	308;916;1359		
170;293;2	170;293;1190;1709;1723;1810;1832		
132;1825	132;1825		
53;54;153;	54;157;369	24;25;26;2	97;255;322;426;492
65;66;87;1	66;87;148;	29	84
360	360	30	173
596;767	596;767		
307;370;3	307;370;3	31;32;33	274;292;408
301;859;8(	301;859;860;940;1490		
198	198		
71;272;328	71;272;328;412;1193		
1191;1192	1191;1192;1816;1818;1819		
72;73;74;7	74;75;143;	34;35;36;3	1;142;167;208
467;570;8(	467;570;8(	38;39;40;4	258;556;592;631;904;907
152;619;8(	152;619;807;1213;1648;1703;1712;1735;1834;1836		
366;367;7(	367;708;1358;1556		
0;1061	0;1061	44	1
373;1015;1	373;1015;1073;1496;1649		
9;10;11;26	9;265;269;	45;46;47	128;233;247
81;82;99;2	82;99;210;319;399;719;836;848;968;1131;1409		
744	744		
109;126;1	109;126;1	48;49	99;263
316;317;1	316;1513;1514		
1;100;101;	1;100;102;	50;51;52;5	339;446;452;454;455
137;138;1	137;180;184;197;230;232;342;345;356;396;398;409;428;430;447;449;494;730;770;786;8		
300;1775	300;1775		
527;528;5	527;590;7	55;56;57;5	59;63;82;91;134
1375	1375	60	432
375;747;7	375;747;759;1003		

47;48;49;5	51;1084;1(	61;62	10;16
240;241;4	240;477;552;607;862;868;882;884;1102;1135;1372;1603		
1262	1262		
149	149		
623;624	623		
334;564;1	334;564;1	63;64;65	197;203;363
651;1253	651;1253	66	89
612;613;8	613;833;1	67;68;69	77;84;211
68;531	68;531		
41;194;19	41;195;51	70	303
205;598;8	205;598;8	71;72;73;7	29;33;146;147;158
636;699;7(	636;701;867;875;1114;1115;1232;1356;1636		
1128;1279	1128;1279		
567	567		
33;1336;1	33;1336;1	76;77	44;46
141;378;4	141;378;446;1091;1474		
1307	1307		
580	580		
93;361;36	93;362;46	78;79;80;8	29;57;114;255;256;257;304;310
979;1861	979;1861		
206;274;3(	206;274;3(	86;87;88	520;596;615
17;18;312;	17;312;47	89;90;91	135;214;513
685;686;1(	685;1000		
439;440;4	439;441;5	92;93	56;481
350;1805	350;1805		
1732	1732		
1269	1269	94	138
171;224;2	171;224;2	95;96;97	97;127;240
83	83		
1089;1498	1089;1498		
351;352;7	351;781;7	98	431
597;1316	597;1316		
92;104;54(	92;104;54(	99;100	221;931
110;133;2	110;133;2	101;102;1(	35;56;119;124
34;35;258;	35;258;52	105;106	94;164
1733	1733		
55;935;12	55;935;12	107	403
379;1039	379;1039	108	254
70;970;97	70;970;971		
1047	1047	109	50
1330	1330		
488;670;1	488;670;1	110	46
1331;1332	1332		
348;1007	348;1007		
246;485	246;485		
1830	1830		
1504;1599	1504;1599;1788;1858;1860		
151;697;1	151;697;1526		
273;842;9	273;842;914;1314		
63;64;213;	64;213;245;507;639;660;752;1533;1635		

221;222;2	223;239;3	111	174
175;318;4	175;318;406;463;577;1013;1109;1126		
125;134;1	125;135;2	112;113;1	322;359;519
414;975	414;975		
218;470;1	218;470;1	115;116	247;285
487;880;1	487;880;1	117;118	50;56
1537	1537		
129;502;5	129;502;5	119	410
5;1033;10	5;1033;10	120	175
548;616;6	548;616;618;876;928;1078;1189;1508;1568;1602;1666;1704;1866		
40;353;11	40;353;1127;1348;1532;1776;1797		
261;1387;1	261;1387		
62;183;21	62;183;21	121;122;1	14;124;356
1546;1547	1546		
174;227;2	174;228;4	124	482
1132	1132	125	127
931;932	931		
252;359;4	252;359;4	126;127	38;50
250;251;3	250;374		
1569;1659	1569;1659		
1325;1326	1326	128	57
12;13;38;1	12;38;127;	129;130;1	341;398;474;480;660;741
902;1571	902;1571		
562;563;8	563;895;1583		
1615	1615		
604;801;8	604;801;892;1446;1616		
684	684		
4;1746	4;1746		
585;640;6	585;641;874;1022;1465		
733;871;8	733;871;898;1133;1194		
46;131	46;131		
1730	1730		
394;1755;1	394;1755;1	135;136	152;153
1008	1008		
720;1632;1	720;1632	137	409
185;233;4	185;233;4	138	82
650;689;8	650;689;835;908;1745		
642;994;9	642;995;1643		
413;1360	413;1360	139	130
550;863;1	550;863;1391;1392		
431;432;7	431;432;702;779;1506		
176;215;2	176;216;3	140;141;1	77;251;255
37	37		
19;346;34	19;346;44	143	609
1668;1726	1668;1726		
309;643;6	309;643;9	144;145;1	1;11;14;15;72;121
509;510;1	509;1315;1	150	208
496;497;4	499;575;943		
144;253;2	144;254;1	151	408
61;323;40	61;323;40	152;153;1	57;170;202

114;115;1 115;217;6 155;156 185;190
173;400;4 173;400;4 157;158 502;503
614 614 159 40
7;111;112; 7;112;1774
849 849
1079 1079
103;645;6 103;645;646
167;516;8 167;516;8 160;161 527;555
190 190
79;1812 79;1812
113;1261 113;1261 162 1038
150 150
207;237;6 207;237;664
459;1075; 459;1075;1351;1718
735;736;7 736;790;9 163;164;1 172;185;346
88;89 88
85;86;427; 86;427;795;877;980;1165;1303
572 572
1414;1415 1415
753;1036; 753;1036;1779
599;778;1 599;778;1654
145;376;3 145;376;377;760;1247
327;787;7 327;788;1 166;167 291;339
94;1782 94;1782
14;15;16;5 16;59;169; 168;169 255;326
1086;1371 1086;1371;1542;1731
357 357
340;341;4 340;459;581;707;823;1264;1530
118 118
27;28;95;9 27;95;96;2 170;171;1 29;89;175
123;595;6 123;595;608;611;1729
1822;1823 1823
1012;1480 1012;1480
436;437 437
31;39 31;39
483;715;7 483;716
77;942;10 77;942;1064
159;337;3 159;337;4 173 499
1764 1764
589;1671; 589;1673;1772
1001 1001
286;335;3 286;336;5 174;175 329;346
647;648;6 648;1403
951;1510 951;1510
32 32
1246 1246
182;804;1 182;804;1299;1584;1856
2;3;160;16 2;160;279;668;1196;1286;1411;1438;1439;1545;1681;1710;1715
1185 1185
211;815;1 211;815;1752

60;1665 60;1665
739;837;1 739;837;1 176 304
1401 1401
208;209;6 208;209;691;1278;1280;1509;1613
988 988
380 380
234;452;6 234;452;6 177 281
6;172;247; 6;172;247; 178 475
42 42
295;1254 295;1254
43;44;45;6 45;69;290; 179;180;1 133;340;599
732;734;7 732;734;7 182 444
910 910
52;262;27 52;262;27 183;184 378;427
1181;1182 1181
296;297;4 297;492;9 185;186 39;90
1739 1739
214;331;1 214;331;1 187;188 4;18
1434;1593 1434;1594;1619;1865
181 181
625;626;6 626;1009; 189 183
687;936;1 687;936;1 190 91
136;588;6 136;588;6 191 157
382;1719 382;1719
285;821;8 285;821;8 192 192
124;142;2 124;142;238
1092 1092
1554 1554 193 2349
600;601;1 601;1088;1260;1381
819 819
688 688
696;1570 696;1570
36;168;38 36;168;388;1469;1522
417 417
1055 1055 194 1
310;578;8 310;578;8 195 246
893;1175 893;1175 196 281
8;838 8;838
84;1014;1 84;1014;1312;1443;1660
517 517
1590;1727 1590;1727
864 864 197 42
633;634;6 633;635
435;505;5 435;505
1272;1273 1272
1322 1322 198 62
1065;1176 1065;1176
896;897 897
1487;1488 1488 199 47
248;249;7 248;721;802

381;434;7381;434;712;1108

345;911;1067;1070;1282;1284;1447;1486;1741;1742;1780;1804

BY M	N-term cle	C-term cle	Amino acic	First amino	Second am	Second las	Last amino	Amino acic
AAAPPPVR	SLRAAASK	AAAPPPVR	K	A	A	V	R	L
AAFLGSEV	TKPVLKKK	AFLGSEVR	K	A	A	V	R	L
AAIAEEQIL	VASEMNTI	AEEQILNK	K	A	A	N	K	Q
AALANVYE	AQDFEGVF	LANVYEYR	R	A	A	Y	R	G
AANQGALI	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AAVDHYTC	HPAVVAAK	GVMDCLTI	K	A	A	T	K	I
AAVEEGILF	DDALNATF	GGGTALVK	R	A	A	V	K	A
ADFLVPGE	IPNLKIIKAL	STPYISLKV	K	A	D	L	K	V
AEAESLVAI	VLEQELVR	AQLSNITRE	R	A	E	T	R	E
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AFHLDMDI	ALGELVIRA	AFHLDMDI	R	A	F	D	R	V
AFSENITK	PTNEGLIKA	AFSENITKK	K	A	F	T	K	K
AFSMNPAI	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AFSNGSWI	EAVQAADI	NGIDPIDR	R	A	F	D	R	G
AGISYAAYL	_____	NVAAQAIR	K	A	G	I	R	S
AGREELER	YNEFLYSK	AGREELER	K	A	G	E	R	V
AHGGFSVF	ELINNIAKA	VFTGVGER	K	A	H	E	R	T
AHQTELTH	ARAYRIIRA	LTHHLLPRI	R	A	H	P	R	N
AIADLAVG	LAYIGSDK	DLAVGEAK	K	A	I	A	K	Y
AIFEILNK	FQDVTREK	AIFEILNKSI	K	A	I	N	K	S
AIFTDNSLL	SLVQTGSK	VQAAQDV	K	A	I	V	K	Y
AIGVLPQLI	TVLFGVAR	LPQLIIDRA	R	A	I	D	R	A
AIGYQWYV	ISPAMTIK	IGYQWYW	K	A	I	W	K	Y
AIQQAADE	GLDPKISK	ADEVASGK	K	A	I	G	K	L
AISLGLR	ETLSYFAR	RAISLGLRL	R	A	I	L	R	L
AITMEIR	ACRDVVSR	RAITMEIRE	R	A	I	I	R	E
AKANSIINA	PEKQTDPK	PGNNILTK	K	A	K	T	K	T
AKHVYSES	QVLKLYQR	HVYSESLR	R	A	K	L	R	V
AKQPVKDC	NGIKFSLK	LSTNVEAK	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYK	K	A	K	Y	K	Q
ALELKPDY	KVVEMSTK	ELKPDYSK	K	A	L	S	K	V
ALGDASLQ	ESAEMKW	LGDASLQR	R	A	L	Q	R	F
ALKQVAGS	VGSAAQVK	KQVAGSLK	K	A	L	L	K	L
ALVHHYEE	FKNTEEGK	HYEECAER	K	A	L	E	R	V
AMEVVASI	KTEKGVLR	MEVVASEF	R	A	M	E	R	R
AMFGFKK	FAFKDKIK	KAMFGFKK	K	A	M	K	K	E
AMLNNSM	DQATKTRK	NNSMSLYF	K	A	M	Y	R	C
ANEELLQA	KELEEKLK	NEELLQAK	K	A	N	A	K	H
ANFTAEEK	GEPDFSNK	DKYALALK	K	A	N	L	K	D
ANLLSSK	YTSGLVSK	KANLLSSK	K	A	N	S	K	A
ANLLSSSNI	NQSFIQQK	SSNFEATK	K	A	N	T	K	K
ANLLSSSNI	NQSFIQQK	SNFEATKK	K	A	N	K	K	S
ANQEVLEV	LAGPLHGR	EVLEWLFK	R	A	N	F	K	L
ANSIINAIP	KQTDPKAK	PGNNILTK	K	A	N	T	K	T
APGFGDNI	QVKVCAVK	APGFGDNI	K	A	P	N	R	K
APGILPR	GRSRAQVK	KAPGILPRF	K	A	P	P	R	R
APGQSTVC	SKVNKTKK	GLLAQLAK	K	A	P	A	K	Q
APILINNLLI	AALNDPAK	NLLDSGIRL	K	A	P	I	R	L
APTASQLQ	TYSLRNSR	PPPPSTTK	R	A	P	T	K	G

AQEDVPYL LPRNEWIK LEAEAAAK K	A	Q	A	K	E
AQIYDDQL TLFQATYK/ DDQLQNYI K	A	Q	Y	R	D
AQLDLVIE/ KAFWEFSK VIEALNERK K	A	Q	E	R	K
AQYEEIAQ DSIIAEVKA QYEEIAQR! K	A	Q	Q	R	S
ASEFYYGF/ AKFLVFER/ YYGFAGPK R	A	S	P	K	E
ASLVYHDG MLTTDNLK DGSFNDSR K	A	S	S	R	L
ATFSVDSR IGDGLSDR/ ATFSVDSRI R	A	T	S	R	D
AVADVWS SPYDLNGK SDLEAEFK(K	A	V	F	K	Q
AVDALVPI(EPVQTGLK DALVPIGR(K	A	V	G	R	G
AVEALISDLDLR	A	V	L	R	
AVGAPIERI LPQLIIDRA GAPIERPK! R	A	V	P	K	S
AVHETIAE(EYATRISKA HETIAEGK K	A	V	G	K	H
AVLDSWVI VELAHEAK AVLDSWVI K	A	V	V	R	Y
AVLEGKYD KDTVASFK GIEDVVAK K	A	V	A	K	A
AWISLAVE LRDDTLPK/ SPNYFVAK K	A	W	A	K	L
AYFSCTSA IATGGYGR DGNAMVS R	A	Y	S	R	A
AYTEQNVE LQGPEALK VETAHVAK K	A	Y	A	K	E
CSNTTLPS VHVPMEV EPLDTSKR R	C	S	K	R	T
DANNEWF QVTCYGYK NNEWFFN K	D	A	N	R	E
DAPTFQES LSINGIGKD ESALIADKL K	D	A	D	K	L
DDLFAINA PRKPGMTF AINASIVR R	D	D	V	R	D
DEEGQDVI LTIAEYFRD LFIDNIFR R	D	E	F	R	F
DELATLQA IAEGWIPR ELATLQAR R	D	E	A	R	L
DFQSYIVS ALSSNISRD SLPGSTDK! R	D	F	D	K	S
DFVTEGQL DPEQVCIR GSVGDGQ R	D	F	Q	K	L
DFYHATPA NINDLLNK TTTANGIK K	D	F	I	K	F
DFYTAEGE WPEEIKER YTAEGEYR R	D	F	Y	R	V
DGPLSTNV LKAKQPVK LSTNVEAK K	D	G	A	K	L
DGTEVLQS LQRSSFPK VLQSIEDR K	D	G	D	R	K
DGTHYLSN RRFGMKH THYLSNVR K	D	G	V	R	T
DGVAHLLN GGSRYATK GVAHLLNR K	D	G	N	R	F
DGVYENIP MKRSVHF VYENIPFK K	D	G	F	K	V
DIALGSSV SDVGQGP GSSVVSIK R	D	I	I	K	N
DIAQVVTE TAVSSGNR QVVTENN R	D	I	N	K	N
DIENQYET QLIAKNRK QEVQSSAK K	D	I	A	K	E
DIGGSSST AEGKHTTR FTNEIINKL R	D	I	N	K	L
DILVKNIT QLGSFIMK NITMELAK K	D	I	A	K	I
DINSQGFK YLENCNPR DINSQGFK R	D	I	F	K	I
DKDGNEFN NPLTDKLK HGDGLPQ K	D	K	Q	R	G
DKFVEGLS RWKSLSTK VEGLSNNK K	D	K	N	K	Y
DLDDMTF(SSFDVTER DDMTFGE R	D	L	E	R	I
DLFEYTLA DTDANVP YAAEISARF R	D	L	A	R	R
DLQSTLDN SLVSKELK LDNIQSAR K	D	L	A	R	P
DLQSTLDN SLVSKELK LTVDDLTK K	D	L	T	K	I
DLVPDLTN LPHMFIVK TNFYQQYK K	D	L	Y	K	S
DMGLLDVI LPSFYCPK DMGLLDVI K	D	M	V	R	T
DQDSAVV! GLFTLFVR AVVSSNIK R	D	Q	I	K	K
DQDSAVV! GLFTLFVR VVSSNIKK R	D	Q	K	K	I
DQGELIGI SGEKKSPK LNNLGYSK K	D	Q	S	K	D
DQSQNEN CGPCYGAK ENLAQEEK K	D	Q	E	K	V

DRFGNLN\	KWDVPGY	RFGNLNVN	K	D	R	V	M	-
DRIDSVSQ	NKHVEAVK	QNVAETTK	K	D	R	T	K	V
DRNSVIDA	LNPALSLKI	DAIVETHKI	K	D	R	H	K	N
DRYDDALN	EVEVGEKK	DDALNATF	K	D	R	T	R	A
DSAYTLGQ	YIPQEISRD	QLGLVQFR	R	D	S	F	R	D
DSGLWGF	NHFSLSYKI	WGFSTATF	K	D	S	T	R	N
DSVGNEYR	QKLNLFVR	SVGNEYRR	R	D	S	R	R	K
DTDYDDFE	LAAGPVKK	DYDDFEMI	K	D	T	M	R	G
DTSHGEITI	HEVLKTVR	ITLSAPYKG	R	D	T	Y	K	G
DVAAPVTL	KHTLSWQK	VAAPVTLK	K	D	V	L	K	Y
DVETNELV	KVIGAEARI	VETNELVR	R	D	V	V	R	I
DVFLSQYFI	NLNKEVSR	QYFFTGLR	R	D	V	L	R	A
DVHNGYIL	SSVEHIMR	VHNGYILR	R	D	V	L	R	Y
DVIEPSFVI	LSGFKGERI	FVDSPLFKS	R	D	V	F	K	S
DVPANASF	LHPVVTPK	DPNIDFER	K	D	V	E	R	V
DVTTFLNV	ATTSQMAI	AEPEHDER	K	D	V	E	R	K
DWEPQESI	GTAIYMAR	QESEELKKI	R	D	W	K	K	D
DYAVFEPG	VAGANFGF	AVFEPGSR	R	D	Y	S	R	H
DYFSPSSEI	SPKGHVIRI	SSNHLLNK	R	D	Y	N	K	Y
DYNEDLVI	LQKTNIIRD	NEDLVDGF	R	D	Y	G	R	S
DYQELMN	EDLARLLRI	YQELMNTI	R	D	Y	T	K	L
DYVDQDLF	VEFAAELRI	DYVDQDLF	R	D	Y	L	R	K
DYVDQDLF	VEFAAELRI	YVDQDLRK	R	D	Y	R	K	W
EAAEAAIQ	NVSSSDAR	ENLQSVLK_	R	E	A	L	K	-
EAISNQFIC	YSRYPALRE	NQFIQFLKI	R	E	A	L	K	D
EALNAVHA	RFAFLDAKI	NAVHATVI	K	E	A	V	K	V
EALQILNLT	FDPKMNSI	LTENTLTKK	K	E	A	T	K	K
EANPSTQV	YVSYSLYRE	DTFPNGSK	R	E	A	S	K	R
EAYPGDVF	LLRRPPGRI	DVFYLHSRI	R	E	A	S	R	L
ECAIEYLK	GHHHNNK	ECAIEYLKA	K	E	C	L	K	A
EDDVEEAV	ICHIYEGRE	EAVQAADI	R	E	D	D	R	A
EDNFDGVI	DTELTMVR	DNFDGVDI	R	E	D	D	R	T
EDVLSAWA	YIEFPVKRE	AGVRPLVR	R	E	D	V	R	D
EEGIGSFYS	GGFSRILKE	GFTPILFKQ	K	E	E	F	K	Q
EFINDPR	ADLSSNTK	KEFINDPRI	K	E	F	P	R	N
EFQSDLTH	SKINSWNK	QLATTVLKI	K	E	F	L	K	N
EGICGSCAI	LTFRRSCRE	CAMNIGGI	R	E	G	G	R	N
EGLALSSNI	ENSAVAAK	ALSSNISRD	K	E	G	S	R	D
EGNDLYR	TGVGERTR	REGNDLYR	R	E	G	Y	R	E
EGVITIR	SAMEKVGI	KEGVITIRE	K	E	G	I	R	E
EGVYEAVE	NIKQTDHK	EAVESLKRI	K	E	G	K	R	N
EHAALEPR	NFGEGSSR	EHAALEPR	R	E	H	P	R	F
EIADNLTEF	NMPNLEQ	IADNLTERC	K	E	I	E	R	Q
EIETYHNLL	SIKMRLEKE	FESSGAGK	K	E	I	G	K	I
EISDAQEIR	YEYSSFLKE	ISDAQEIRL	K	E	I	I	R	L
EKDELDNIE	LEAEAAAK	LDNIEVSK_	K	E	K	S	K	-
EKFYAELAE	HMDKINKF	FYAELAERI	R	E	K	E	R	K
EKGELSKEI	NELLTEIRE	KELLASLKS	R	E	K	L	K	S
ELDSWFQI	SELYAIAKE	SWFQDVTI	K	E	L	T	R	E
ELIIGDR	VPIGRGQR	RELIIGDRQ	R	E	L	D	R	Q

ELIVAITSDI	ATETGAPK	IVAITSDKG	K	E	L	D	K	G
ELIVAITSDI	ATETGAPK	SIHSQLAKA	K	E	L	A	K	A
ELKDLQSTI	ETESLVSKE	LDNIQSARI	K	E	L	A	R	P
ELKDLQSTI	ETESLVSKE	LTVDDLTKI	K	E	L	T	K	I
ELMDENFC	ERWFPSSR	LMDENFCF	R	E	L	C	R	R
ELMNAELC	KSLLVLKKE	MNAELQN	K	E	L	N	K	I
ELSSQELSC	GILDGEAKI	QELSGGAR	K	E	L	A	R	I
ELTTEIDNN	AWFNEKSK	IEQISSYKSE	K	E	L	Y	K	S
EMKETGVI	REGNDLYR	INLEGESKV	R	E	M	S	K	V
EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
ENLEVSGE	FADKVYTK	VVEADLKR	K	E	N	K	R	F
ENTEGEYS	NVDLVLIRE	PGVVQSIK	R	E	N	I	K	L
EQDPDNVI	KKFRKIRKE	DNVFLANK	K	E	Q	N	K	Q
EQGLQYEC	SYYYKICKE	EPLSETAKY	K	E	Q	A	K	Y
ESELLGGTF	RSALKLVRE	ELLGGTFKS	R	E	S	F	K	S
ESEVSGSV	GGKKTVKK	SGSSTGVK	K	E	S	V	K	T
ESNFLIDFL	PPAPAPKK	GVSAAVAK	K	E	S	A	K	T
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETGVINLEC	NDLYREMK	INLEGESKV	K	E	T	S	K	V
ETVELESEA	KVLFDVSKI	ESEAFELKC	K	E	T	L	K	Q
ETVESESSC	SPPVVAYR	SSQTALSKS	R	E	T	S	K	S
EVAAFAQF	KLFLAQYRE	SDLDASTK	R	E	V	T	K	Q
EVKDEQSY	RKLSKLTRE	EQSYIVIRE	R	E	V	I	R	E
EVPAEPET	VPAVVNEK	TQPPVQVK	K	E	V	V	K	K
EVYDFLAS	KRAIDLNKE	FLASATAK	K	E	V	A	K	Y
EYPDLTLET	NVAKELSK	LIDNSVLKV	K	E	Y	L	K	V
FAFDFAK	PKTERIARF	RFAFDFAK	R	F	A	A	K	K
FALAGAIG	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FALIAGYGK	SLRELSEKF	ALIAGYGK	K	F	A	G	K	A
FASFIDK	QIKTLNNKI	KFASFIDKV	K	F	A	D	K	V
FDDLIAEEN	GYKKLGLKI	PIMQTALR	K	F	D	L	R	R
FEIDTDAN	EQSPSFGK	DTDANVPF	K	F	E	P	R	D
FFIDNLGYE	GGYEVFKK	LGYDTASR	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FGDIDTAT	AMSKLKEK	ELSTQPAKI	K	F	G	A	K	E
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FGSYYLR	WDEAHFG	KFGSYYLRF	K	F	G	L	R	H
FIGDSVAAI	LGEENRVR	AIGIPVNKA	R	F	I	N	K	A
FISEVENTC	LDSIRAARF	NTDPTQER	R	F	I	E	R	V
FLEQQNQ	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLGGFAIITI	EHAALEPR	GGFAIITKS	R	F	L	T	K	S
FLSQPFAV	ERARKIQRI	VFTGIPGKI	R	F	L	G	K	L
FLSQPFAV	ERARKIQRI	GIPGKLVRI	R	F	L	V	R	L
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNYVAVGC	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FPTPILK	_____	RFPTPILKV	R	F	P	L	K	V
FQDTLYK	VFTEGWPK	KFQDTLYK	K	F	Q	Y	K	K
FQLEVTTP	PLDVVKTR	PTAAAVGK	R	F	Q	G	K	Q
FSSSSGYG	GGRGGGG	GYGGGSSF	R	F	S	S	R	V
FTCNATHE	REVPELLKF	ATHELVVR	K	F	T	V	R	T

FTDGGLFT	ISSAKLDKF	GLFTLFVRE	K	F	T	V	R	D
FTQAGSEV	LFIDNIFRF	EVSALLGRI	R	F	T	G	R	I
FTVTLIPGD	LPKKYGGR	IPGDGVGK	R	F	T	G	K	E
FVDESLLST	VVEADLKR	LSTLPAGKS	R	F	V	G	K	S
FVFNPPKP	WAGIKTRK	VFNPPKPR	K	F	V	P	R	K
FVVTAADV	VPVDTHIR	AIPSLGIKV	R	F	V	I	K	V
FYAELAER	DKINKREKF	FYAELAERF	K	F	Y	E	R	K
GAFDLCLK	TQPFFTAR	GAFDLCLK	R	G	A	L	K	S
GAILSGPP	KMGAKIPR	SGPPGTGK	R	G	A	G	K	T
GALAYIGSI	EDFKYNHK	LAYIGSDKA	K	G	A	D	K	A
GCGANILR	EGVGSLFK	GCGANILR	K	G	C	L	R	G
GDEDPEKL	VIEIMDQR	HTLTTSFRI	R	G	D	F	R	I
GDVDLVIN	GKAISSSR	DLVINYLKS	R	G	D	L	K	S
GFISPYFITI	TEGMRFDF	PYFITDPKS	R	G	F	P	K	S
GFLPSVVG	DGVAGLYR	VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV	GGGGGGF	AVVSGGSR	R	G	F	S	R	R
GGGGGGY	TISGGGSR	GGGGGGG	R	G	G	G	R	G
GGLIVELGI	NVVKPEIK	LIVELGDKT	K	G	G	D	K	T
GGSGGSH	YGGGSGSR	GYGGGSGI	R	G	G	G	K	S
GGSGGSY	GSYGRGSR	YGGGSGSR	R	G	G	S	R	G
GHFQLVVK	PVSDLSQK	GHFQLVVK	K	G	H	V	K	H
GHLENISNI	AGPWLKYF	GAINAENK	R	G	H	N	K	K
GHLENISNI	AGPWLKYF	AINAENKK	R	G	H	K	K	A
GIESTMWF	EGIMGLYK	GIESTMWF	K	G	I	W	R	N
GILNQIDNI	AVWETVRI	DNLPFLTKI	K	G	I	T	K	K
GIRPAINV	LEAELFYK	NVGLSVSR	K	G	I	S	R	V
GISELGIYP	DATTVLSR	AVDPLDSK	R	G	I	S	K	S
GITSYAVSP	HMGGPKQ	AVSPYAQK	K	G	I	Q	K	P
GITSYAVSP	HMGGPKQ	NAVFNSFR	K	G	I	F	R	R
GKDLSPAI	KIVADLKK	SPAINYTKL	K	G	K	T	K	L
GKPNSTVL	NHNARFLK	TLDGIISKK	K	G	K	S	K	K
GKWDVPG	KVEEMVKK	KWDVPGY	K	G	K	Y	K	D
GKWDVPG	KVEEMVKK	DVPGYKDF	K	G	K	D	R	F
GLCGSIHS	IVAITSDKG	SIHSQLAKA	K	G	L	A	K	A
GLGNPLLY	LYAITFRKG	LLYDGVER	K	G	L	E	R	V
GLIHSLVQ	AYDTLGEK	SLVQTGSK	K	G	L	S	K	A
GLLIDNK	LEEQDSRR	RGLLIDNK	R	G	L	N	K	L
GLNPGLAI	NCTRTCPK	GLAIAEIKK	K	G	L	I	K	K
GLNPGLAI	NCTRTCPK	LAIAEIKKS	K	G	L	K	K	S
GLWHTPAI	KRNKIGLK	GSLNVALR	K	G	L	L	R	K
GLYYGSYR	VMFMHM	GLYYGSYR	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK	IVLFGSDRL	K	G	M	D	R	L
GMALNLEF	VEFSSGVK	FGSDRLVK	K	G	M	V	K	E
GNFFSSNP	PLTAKQSK	SFVVDTYK	K	G	N	Y	K	Q
GPAPLNLE	DISGRIRKG	DGDKVIVG	K	G	P	V	G	-
GPIDAAGR	LGNPIDGK	GPIDAAGR	K	G	P	G	R	S
GSAPLFGN	HRPRHYGK	NFLEPLTKT	K	G	S	T	K	T
GSDWLGD	WHMYDTV	DSIHYMTR	K	G	S	T	R	E
GSGSGQSP	QSPGHGQ	QHGTGFGI	R	G	S	G	R	S
GSIDITTTN	QERIEQIKG	TTTNSYEKE	K	G	S	E	K	E

GSLGGGFS SLRISSSKG' FSGGSFSR(K	G	S	S	R	G
GSNNIFAIC VNDFLQVK QEAEYLAK K	G	S	A	K	N
GSNVVRPY FAKFVTPK(PVSDLSQK(K	G	S	Q	K	G
GSSSGGGY AFGGSGGF SSYGSGGR R	G	S	G	R	Q
GSVPIYWA VFSFLQTR(WAEINNLK R	G	S	L	K	Y
GSVTSVQA ERITTTKKG DATTVLSR(K	G	S	S	R	G
GTPNDAY\ PQKPGGVF YVPPPENK R	G	T	N	K	L
GTVTSAEP DAHNGLLK SAEPLDPK' K	G	T	P	K	S
GVAGAGV GCGANILR' LQMILFGK R	G	V	G	K	K
GVAGAGV GCGANILR' QMILFGKK R	G	V	K	K	F
GVATDLSH LYDLKGAK(IPTNSVVK(K	G	V	V	K	G
GVETLAEA' EGRASLLK(VAATLGPK K	G	V	P	K	G
GVEYLDLE HPLAGLDK SQGLIPSR(K	G	V	S	R	G
GVSDEANL SILEERIKG\ ANLNETGR K	G	V	G	R	V
GYDAGEN HGDGLPQF YQAPPADF R	G	Y	D	R	S
GYFIKPTVF GGERLGSK PTVFGDVK K	G	Y	V	K	E
HALIVYDDI EWFRDNG IVYDDLSK(K	H	A	S	K	Q
HEDLVNSI VVGTGNIK LVNSIESKN K	H	E	S	K	N
HEFYHDVH KFGSYYLR DVHPPLGK R	H	E	G	K	M
HGVQELEII AKEVTQLR ELQSQLSK R	H	G	S	K	K
HIYQSAAA TGSTATGR QSAAAGLK R	H	I	L	K	K
HLIWDTAK IHYGGAIR HLIWDTAK R	H	L	A	K	E
HLNDQPN/ QLAKAVRR DIVTIGDKI R	H	L	D	K	I
HLNDQPN/ QLAKAVRR VTIGDKIK\ R	H	L	I	K	M
HMDLPEIA RLLIPVAKH DLPEIAAKL K	H	M	A	K	L
HQDTDAF YFDIITIKH(FLHSHLAR' K	H	Q	A	R	Y
HSNAAQN' AFSGGVYR QNVLADM R	H	S	M	R	V
HVGLDIK AVFEPGSR RHVGLDIK(R	H	V	I	K	G
IALPTRVEP LQRTPGKK LPTRVEPK\ K	I	A	P	K	V
IANVVHFY GSAPNAKF ANVVHFYK R	I	A	Y	K	S
IAPALVTG PLLMWAV TGNTVVLK K	I	A	L	K	T
IASDFGVL NRLGCFEK DAHNGLLK K	I	A	L	K	G
IASITVQPD RLVDENGK DIPICIKKD(K	I	A	K	K	D
IDQLNWK QYFKKAYK KIDQLNWF K	I	D	W	K	M
IEISELNR GDSVRNSK IEISELNRVI K	I	E	N	R	V
IGASALGG DKLNPFEK NQPIEVIR\ K	I	G	I	R	V
IGDYILK QSFTSIARI(RIGDYILKS R	I	G	L	K	S
IGEFESSFL LDGIELSRI(SSFLSYLKS R	I	G	L	K	S
IGGIGTVP\ LPLQDVYK IGTVPVGR' K	I	G	G	R	V
IGLFGGAG' APYARGGK FGGAGVGI K	I	G	G	K	T
IGSEVYHN KTFAEAMF SEVYHNLK' R	I	G	L	K	S
IGVLANHV NLPAKSGR VMEGSNSI R	I	G	S	K	K
IIELANRPS VANDVNSI ATVSQDGF K	I	I	G	R	V
IIGSSVLEIL FKSSLFHRI APNFQTSR R	I	I	S	R	R
IINVIGEPI VGRETLGR IGEPIDERG R	I	I	E	R	G
IINVIGEPI VGRETLGR IDERGPIKS R	I	I	I	K	S
IKDEQDSTI MVLDALLK QDSTLTFR K	I	K	F	R	R
IKFEMEQN RMTLDDFF FEMEQNLF R	I	K	L	R	Q
IKGVSDEA VSSILEERIK ANLNETGR R	I	K	G	R	V
IKPEIDAK LTVDDLTK IKPEIDAKV K	I	K	A	K	V

IKPEIDAKV	LTVDDLTKI	AKVEEMVI	K	I	K	V	K	K
ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILSNEQIYN	ESTCSGKKI	SNEQIYNR'	K	I	L	N	R	W
ILYGHLDDI	RPFTYAEKI	PHGQDIQI	K	I	L	Q	R	G
INATQEQS	LIKMNGGI	SGQDSLEK	R	I	N	E	K	L
IPDIDLIVIR	SLKGVKTRI	DIDLIVIRE	R	I	P	I	R	E
IPLLGPTLEI	FQDTLYKKI	TPPEDKPN	K	I	P	P	N	-
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IQDKEGIPF	TIDNVKSKI	GIPPDQQR	K	I	Q	Q	R	L
IQLEPTVYN	PIDVVKTRI	LEPTVYNK	R	I	Q	N	K	G
IQNYTSGL\	_____	YTSGLVSK/	R	I	Q	S	K	A
IQQEQMG	EEEKEKIRI	GGQTFTLK	R	I	Q	L	K	D
IREESSHHI	DLSLEKGRI	SHHDLQIK	R	I	R	I	K	E
IRLENEIQT	YQQLLDIKI	ENEIQTYRS	K	I	R	Y	R	S
ISIFEAVHG	PSANIGHK	PDIAGQDK	K	I	S	D	K	A
ISIFYNDPV	MKAGTYPI	EKPIFNAKT	K	I	S	A	K	T
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ISYKPASFIS	LLPEDTKRI	KPASFISKF	R	I	S	S	K	F
ITDEIAHLK	PSRDRKEK	TDEIAHLKY	K	I	T	L	K	Y
ITGSTATQL	AKVISSLRI1	ATQLSSFKI	R	I	T	F	K	K
ITGSTATQL	AKVISSLRI1	TQLSSFKKF	R	I	T	K	K	R
ITSTDPNAI	RNVFKDGK	DPNADYGI	K	I	T	G	K	N
IVAAEGVG	GAFDCLRK	EGVGSLFK	K	I	V	F	K	G
IVAPLTDR	GARMIYQK	IVAPLTDRY	K	I	V	D	R	Y
IVGEAITNI	NIVSGFGKI	EAITNHPKI	K	I	V	P	K	I
IVKKHDK	LNFTGFAK	KIVKKHDKI	K	I	V	D	K	L
IYPLPHMFI	QNESKQLK	LPHMFIVK	K	I	Y	V	K	D
IYQSAHDA	EDRRQSGK	SAHDAINR	K	I	Y	N	R	I
KAAFLGSE\	GTKPVLKK	AFLGSEVRI	K	K	A	V	R	L
KAGISYAA\	_____	NVAAQAIR	R	K	A	I	R	S
KAPGQSTV	LSKVNKTKI	GLLAQLAK	K	K	A	A	K	Q
KDRYDDAL	SEVEVGEK	DDALNATF	K	K	D	T	R	A
KESNFLIDF	LPPAPAPKI	GVSAAVAK	K	K	E	A	K	T
KFFIDNLGY	FGGYEVFK	LGYDTASR'	K	K	F	S	R	Y
KFISAYDAK	EKCPSIIKKF	AKPDFVAR	K	K	F	A	R	S
KFVFNPPK	KWAGIKTR	VFNPPKPR	R	K	F	P	R	K
KGDKNTIV	QWDRRDII	TIVSSYNRN	K	K	G	N	R	N
KGEELEIVC	RVERGNLK	GHNSTPLK	K	K	G	L	K	T
KGLGNPLL'	QLYAITFRK	LLYDGVER'	R	K	G	E	R	V
KGPAPLNL	YDISGRIRK	AYEFDGDK	R	K	G	D	K	V
KGPAPLNL	YDISGRIRK	DGDKVIVG	R	K	G	V	G	-
KGSVTSVQ	QERITTTKK	DATTVLSR	K	K	G	S	R	G
KISSIQDILP	PLLLLSEKK	LEISNQSRF	K	K	I	S	R	R
KIVAAEGV	DGAFDCLR	EGVGSLFK	R	K	I	F	K	G
KIVADLKK	AVVSSNIK	KIVADLKKC	K	K	I	K	K	G
KLDNPAIG	VQAISLFK	NPAIGPMF	K	K	L	M	R	K
KLFGVTTLI	NKGVYNPI	VTTLDSIRA	K	K	L	I	R	A
KLSSYAQSI	IVLNMFEK	HLENTSIKV	K	K	L	I	K	V
KLYCVYVA\	NNGSDESK	VYVAVGQI	K	K	L	Q	K	R

KLYCVYVA	NNGSDESK	YVAVGQKF	K	L	K	R	S
KMDEAEQ	EKAKISAKK	EAEQLFYKI	K	M	Y	K	N
KPADLASLI	KPNGLSEK	GDEAPALK	K	P	L	K	L
KPIHADPP	GPIKSKLRK	EILETGIKV	R	P	I	K	V
KPTLDDVLI	DTEIDLSKK	TLDDVLKKI	K	P	K	K	I
KTFGLFAN	RSLNLTLRK	FANVRPAK	R	T	A	K	S
KVDATTITA	LRLKTMVK	DATTITAKT	K	V	A	K	T
KVEITLEK	NNYGTALK	KVEITLEKE	K	V	E	K	E
KVSDVLNA	DFADARM	SDVLNASR	K	V	S	R	N
KYAGILDCF	LKQGTLDR	AGILDCFKF	R	Y	F	K	R
KYAGILDCF	LKQGTLDR	GILDCFKRT	R	Y	K	R	T
LAADVPLE	PQTASTSK	VPLEPESKA	K	A	S	K	A
LAAQIFGS	SPNYFVAK	NAFEPASR	K	A	S	R	L
LADGLFVN	VHKSTIQR	GLFVNVAK	R	A	A	K	E
LAELIEQDK	DRGKALYR	IETLDNGKA	R	A	G	K	A
LAGAEEW	PCHTRDIK	QNYHLSSK	K	A	S	K	M
LAGNASW	LAGVEAEK	WGELFSSK	K	A	S	K	T
LAGNASW	MAGIEAEK	WGELFSTK	K	A	T	K	T
LASYLDKV	TMQNLND	ASYLDKVR	R	A	V	R	A
LCVPVANC	LKSPVLSKL	FINLAGYKK	K	C	Y	K	K
LCVPVANC	LKSPVLSKL	INLAGYKKI	K	C	K	K	L
LDKFTDGG	SGLISSAKL	GLFTLFVRE	K	D	V	R	D
LDSELKNM	QLKSDQSR	QDMVEDY	R	D	Y	R	N
LDSNNSSV	NYFDKALK	NSSVYYHR	K	D	H	R	G
LEFANLTP	NTNNLQTK	ANLTPGLK	K	E	L	K	N
LEFANLTP	NTNNLQTK	SLTPGVAK	K	E	A	K	S
LENEIQTY	QLLDIKIRL	ENEIQTYRS	R	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK	K	E	I	K	G
LETENDGV	VSLFGIYKL	DGVVGLVK	K	E	V	K	S
LETLDNQT	RNTGLTPK	TLDNQTM	K	E	M	R	N
LFAGMSPE	NIKPLTTRL	GMSPEMA	R	F	A	K	K
LFDNIIVFP	DLYDKEQR	NIIVFPTKG	R	F	T	K	G
LFEEQLDK	ESFTKAARI	NNEDEKLK	R	F	L	K	E
LFGVEGTY	AAAPPPVR	ALYQAAAK	R	F	A	K	N
LFLAQYR	KQVAGSLK	KLFLAQYR	K	F	Y	R	E
LFLGQGLIT	GSIEFVSKL	LGQGLITK	K	F	T	K	Y
LFLNELGIY	GAVPNTIR	LGIYPSPKG	R	F	P	K	G
LFTLEDAK	GDIHTLGK	LFTLEDAKI	K	F	A	K	I
LGANSLLD	VSVHGANF	LDLVVFGR	R	G	G	R	A
LGDGLFR	VHKANIMK	KLGDGLFR	K	G	F	R	N
LGEHNIDV	YKSRIQVR	EQFINAAK	R	G	A	K	I
LGEMIAR	ELATLQAR	RLGEMIAR	R	G	A	R	L
LGHLLLNP	STVKKNPK	LNPALSLKE	K	G	L	K	D
LGHLLLNP	STVKKNPK	PALSLKDR	K	G	D	R	N
LGLKFDDLI	INLAGYKKL	PIMQTALR	K	G	L	R	R
LGPISNLVK	YLDKVESK	GPISNLVKS	K	G	V	K	S
LGSDAYVV	KVGDLISR	SDAYVVSR	R	G	S	R	S
LHSHDHKP	FHTVTRCR	SESSDWQK	R	H	Q	K	E
LIDDMVAC	LGIWYEHR	DMVAQMI	R	I	L	K	S
LIDEYGDD	EGSVIIGKL	EYGDDFAK	K	I	A	K	G

LIKDPTSGK	LNYVEVQK	IKDPTSGK\	K	L	I	G	K	V
LINASESTD	LLDENMM	NASESTDR	K	L	I	D	R	C
LIPFLEYLA1	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LKANEELLC	KDKELEEKL	NEELLQAK	K	L	K	A	K	H
LKDTVASFI	GIPGKLVRL	KDTVASFK/	R	L	K	F	K	A
LKNAVQNE	SPAINYTKL	ELNFDAVK	K	L	K	V	K	D
LKYENEVA	RLAADDFR	YENEVALR	R	L	K	L	R	Q
LLANPETPI	FGLFGLVRI	LANPETPK	R	L	L	P	K	T
LLASAMEK	NGDSHVGI	LLASAMEK	K	L	L	E	K	V
LLDAAVVG	DPLDSKSRI	EHYDVASK	R	L	L	S	K	V
LLDAVDEY	IGEQAIMK	EYIPTPERD	K	L	L	E	R	D
LLDNIQEYC	ASRLQGIKL	NHFSLSYKI	K	L	L	Y	K	D
LLIQNQDE	ASPIERVKL	QNQDEML	K	L	L	L	K	Q
LMDSNND	TSVSKVLKL	DAVQTLQK	K	L	M	Q	K	L
LNDKQTGL	LSTNVEAK	NTNNLQTK	K	L	N	T	K	L
LNQVSALI	KVDATPGR	QVSALIQR	R	L	N	Q	R	E
LNRPFTYA	TLDIVRKRL	RPFTYAEK	R	L	N	E	K	I
LNSASAVA	AIEYLKARL	YLQAFVSK	R	L	N	S	K	T
LNYGWDK	NDLSVSGR	LNYGWDK	R	L	N	K	K	N
LNYNKDEL	ENEINDSR	KDELTSAK	R	L	N	A	K	I
LPEDESYA	IMQTALRR	PEDESYAR/	R	L	P	A	R	A
LPLQDVYK	RPTDKPLR	LPLQDVYK	R	L	P	Y	K	I
LPTEDSEM	DTRRFTFK	LASALFAK	K	L	P	A	K	F
LQDVNSQ	PFELVKIRL	QDVNSQF	R	L	Q	F	K	T
LQFALPHE	AAASSGLK	TQVNLPAK	K	L	Q	A	K	S
LQLGQLYE	ERAKSLLKL	LGAEVLIK	K	L	Q	I	K	G
LQLLKPFK	KVSPTSDR	PFKPWDG	R	L	Q	G	K	D
LQVTTVR	AMSGEGE	KLQVTTVR	K	L	Q	V	R	D
LRDQLLSA	QQRVDFA	DQLLSADR	K	L	R	D	R	S
LREFAETLR	WNSLLTTK	REFAETLR1	K	L	R	L	R	T
LRKPIHAD	ERGPIKSKL	EILETGIKV\	K	L	R	I	K	V
LRPSEDNL	PLLKESIKL	LQLDGVDK	K	L	R	D	K	I
LRSEIDNV	ELNRVIQR	SEIDNVKK	R	L	R	K	K	Q
LRTDETLR	GTYFTYKK	LRTDETLR	K	L	R	L	R	L
LSEPVHK	GSSFDALK	KLSEPVHK	K	L	S	H	K	L
LSEQENEI	SIQEANRK	ENEINDSR	K	L	S	S	R	L
LSGGVAVI	KLQERLAK	SGGVAVIR	K	L	S	I	R	V
LSHNQQLA	IVGSQVFK	QLAQFNN	K	L	S	N	K	N
LSIATDYSN	KELPAEEK	DYSNDYKK	K	L	S	K	K	H
LSINGIGK	RTHPNNIK	LSINGIGKD	K	L	S	G	K	D
LSLGEAFK	EVLIKGSK	LSLGEAFK	K	L	S	F	K	K
LSLGEAFK	EVLIKGSK	SLGEAFKK	K	L	S	K	K	I
LSSPATLN	DNDIMLIK	SPATLNSR	K	L	S	S	R	V
LTISVTDTE	FTLKQWN	VTDTEVER/	R	L	T	E	R	A
LTQEEIDR	TITNDKGR	LTQEEIDR	R	L	T	D	R	M
LTQQFQG	ETLWSLVK	FQGMSIPR	K	L	T	P	R	E
LVEDGIR	GSRFGLSR	RLVEDGIR	R	L	V	I	R	K
LVGSDVGC	MPSLFQA	SDVGQGP	R	L	V	P	R	D
LVLEVAQH	EIKTPQGK	HLGENTVR	K	L	V	V	R	T
LVSQPQFA	PLEATRIRL	GLVGGFSR	R	L	V	S	R	I

LVSTIYEVA FPDYELFKL VAPGVLTK K	L	V	T	K	H
LVWIGSSD FQNLNNAF IGSSDFLKN R	L	V	L	K	N
LWDQDIAI VKAWAGK EGLLDYMR R	L	W	M	R	I
LYCVYVAV(NGSDESKK VYVAVGQI K	L	Y	Q	K	R
LYCVYVAV(NGSDESKK YVAVGQKF K	L	Y	K	R	S
LYHEFNYIR IQEYASSKL YHEFNYIRI K	L	Y	I	R	D
LYQLNEFL(VTVDAGM LNEFLGAK(R	L	Y	A	K	G
LYTSNLQG CRLQVNPK TSNLQGFR K	L	Y	F	R	K
MDEAEQLI KAKISAKKN EAEQLFYKI K	M	D	Y	K	N
MFLGAQS(ATSHKWM AYDTLGEK(K	M	F	E	K	G
MMMTSG(PLDTVRRR MTSGQAV R	M	M	V	K	Y
MNPQVSN _____ LVMMQLS -	M	N	S	R	R
MPSSFDVT _____ SSFDVTERI R	M	P	E	R	D
MQLQVTTI PLDVVKTR MQLQVTTI R	M	Q	T	K	G
MSGECAPI LLEGEESRN TISGGGSR(R	M	S	S	R	G
MSNYLVQI QNYHLSSK LVQNYGTR K	M	S	T	R	S
NAGDMIN NAMDNAS NAGDMIN K	N	A	N	R	Y
NANPWGC SDEYLKSKN GYSQVQSK K	N	A	S	K	-
NASYLEER SVIDDYVRI NASYLEERI R	N	A	E	R	L
NAVQNES\ AINYTKLKN ELNFDAVK K	N	A	V	K	D
NAVQNES\ AINYTKLKN FDAVKDFK K	N	A	F	K	L
NEGATLIT(LKYVDIGKN TLITGGERL K	N	E	E	R	L
NELITSLTP(ANLTPGLK SLTPGVAK! K	N	E	A	K	S
NFLGSTTLA GGKPHWA LAAGPVKK K	N	F	K	K	D
NFTFLESVK KTTMAANI FTFLESVKH R	N	F	V	K	H
NGNEYNEF GIYWYWW\ YNEFLYSKA K	N	G	S	K	A
NIEASVQP! RVTLKSIRN EASVQPSR R	N	I	S	R	D
NIIVATGSE EDHILDVKI GIEIDEEKI\ K	N	I	E	K	I
NINDLLNK PVYSDISRN NINDLLNKI R	N	I	N	K	D
NIPSFLSTD GFLKDGVK STDNIGTRI K	N	I	T	R	E
NIQKNELLI TEVLSCLKN IQKNELLKY K	N	I	L	K	Y
NKYEDEINI QDMVEDY YEDEINKRT R	N	K	K	R	T
NLAEEFDH LNSFEDKKI LAEEFDHR' K	N	L	H	R	V
NLDGYVVN DAIVETHKI GYVVNLLK' K	N	L	L	K	V
NLDLDSIIA ILSMDNSR DSIIAEVKA R	N	L	V	K	A
NLDTTLYN' WGSVSLLK NVVVVSPR K	N	L	P	R	N
NLDVEATE FYKNAETK ATETGAPK K	N	L	P	K	E
NLHTHPVA LVHKSTGR PVAAPVSK R	N	L	S	K	T
NLLENPVT' DKKDLWW VTVQLVHR R	N	L	H	R	T
NLLQEVDE EFEKNLQK EFKENLTK(K	N	L	T	K	Q
NLSDLYTVI QQLAKVNK SDLYTVLKT K	N	L	L	K	T
NLSLQTGT LVNSIESKN TGTKPVLKI K	N	L	L	K	K
NLSLQTGT LVNSIESKN GTKPVLKKI K	N	L	K	K	K
NMAEEFEY SHTNEEVR PDEQGNPI R	N	M	P	K	K
NMQDMV SRLDSELKN QDMVEDY K	N	M	Y	R	N
NNDYDLDL IKVKSSAKN NDYDLDLK K	N	N	L	K	Y
NPSGLPDS DAILQMDF SPLNDNSK R	N	P	S	K	I
NPTVENFI GKATLLTRI EATNLLEKA R	N	P	E	K	A
NQHSFVFN TAFYFANR FVFNESNK' R	N	Q	N	K	V
NSSIDAAF(ALYQAAAK AAFQSLQK K	N	S	Q	K	V

NSVYMGS/	YDTASRYKI	LCPLEATRI	K	N	S	T	R	I
NTIVSSYNF	RDIKKGDK	TIVSSYNRN	K	N	T	N	R	N
NTLACICK	CAMNIGGI	NTLACICKI	R	N	T	C	K	I
NTSVIDKIE	SHYRSVLKI	DKIESYVKC	K	N	T	V	K	Q
NVAAGCNI	AIFTESVKN	GCNPMDLI	K	N	V	L	R	R
NVIITLPHS	RKPRAPMF	ITLPHSSKV	R	N	V	S	K	V
NVSTGDVI	EEEMKDLR	TQLLNNMI	R	N	V	M	R	S
NVTMIDDL	WGFSTATF	DLIHFTLKC	R	N	V	L	K	Q
NWAGIYSA	FRKNYVFK	IYSAKPERY	K	N	W	E	R	Y
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYLMFMK	LIHEEGQKI	KNYLMFM	K	N	Y	M	K	M
NYNADDAI	QLATTVLKI	ADDALLNK	K	N	Y	N	K	T
NYSPYYNT	KGPAAIQK	DLTVGNNI	K	N	Y	N	K	T
PAINVGLS\	ELFYKGIRP	NVGLSVSR	R	P	A	S	R	V
PFDELTVDI	LDNIQSARI	LTVDDLTKI	R	P	F	T	K	I
PGVTLGVG	LAYKQLLRF	GSSFDALKI	R	P	G	L	K	L
PHVASESN	SLSSPVFKP	ESNPIESRL	K	P	H	S	R	L
PIHADPPSI	PIKSKLRKP	EILETGIKV\	K	P	I	I	K	V
PLTIASDPN	STARMMA	SGFFGLQK	R	P	L	Q	K	K
PQSFTSIAR	_____	QSFTSIARI	M	P	Q	A	R	I
PSTTNTAA	_____	AAANVIEK	M	P	S	E	K	K
QAVWYISY	AQLTEPEK	SYGEWGPI	K	Q	A	P	R	R
QELHVEGA	DIANSVER	SNDTVAPK	R	Q	E	P	K	F
QEYEQLIAI	TKTLNDMF	EYEQLIAKN	R	Q	E	A	K	N
QFNGLLDV	GSKSTSQR	NGLLDVYK	R	Q	F	Y	K	K
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QGPVRPFI\	PVPELDIKC	SAELASLRT	K	Q	G	L	R	T
QGVDADIN	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIIAGEGA	KGMVGSFI	YSIQGAFKF	K	Q	I	F	K	F
QIIENAGEE	KAITRPAK	EGSVIIGKL	K	Q	I	G	K	L
QISLEGLQI	LQEELRKK	ISLEGLQKC	K	Q	I	Q	K	Q
QISNLQQS	SEIDNVKK	SISDAEQR	K	Q	I	Q	R	G
QKVELAHE	ESEAFELKC	VELAHEAK	K	Q	K	A	K	A
QLGFFGSF	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLIVAVNK	LAFTLGVR	QLIVAVNK	R	Q	L	N	K	M
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYK	GSSFDALKI	K	Q	L	L	K	L
QLPVFQAH	PHIDEALK	PVFQAHIR	K	Q	L	I	R	K
QLQVIESFE	PVKIDASK	QVIESFEKH	K	Q	L	E	K	H
QNVETLDI\	DHSFINYK	VETLDIVRK	K	Q	N	V	R	K
QPVKDGPL	IKFSLKAKQ	LSTNVEAK	K	Q	P	A	K	L
QPVVELDC	AFSKIKVK	LDGDEMTI	K	Q	P	T	R	I
QQGPLEPT	DSLGAAVK	STAITEERR	K	Q	Q	E	R	R
QQGPLEPT	DSLGAAVK	TAITEERRN	K	Q	Q	R	R	N
QSLELVNP	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSLGHGQI	GQHGSGSI	GQSPSPSR	R	Q	S	S	R	G
QSLNFALK	SVYSNLYK	TEVLSCLK	K	Q	S	L	K	N
QSVEADIN	YENEVALR	ADINGLRR	R	Q	S	R	R	V
QTDHKEG\	DWETINIK	EAVESLKR	K	Q	T	K	R	N
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L

QTISNFFGF	DIVPPGKR(	GFTSSFVRI	R	Q	T	V	R	N
QTVAVGVI	RFAVRDMI	TVAVGVIK:	R	Q	T	I	K	S
QVLDNLTN	DADINGLR	LDNLTMEK	R	Q	V	E	K	S
QVPENPM	GTTDIPLKC	ADIQDILKE	K	Q	V	L	K	E
QVQDFEEN	ATKKSVLK(	EENDHPNF	K	Q	V	N	R	V
QWDTLWT	ITFENLLKQ	WTSSEFIR\	K	Q	W	I	R	V
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RGNNYDLE	EGWIPSSR	HDDKPWY	R	R	G	Y	K	A
RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RIANVVHF'	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S
RLPEDESY/	PIMQTALR	PEDESYAR/	R	R	L	A	R	A
RPLLIIAED\	LEISNQSRF	LAACILNKL	R	R	P	N	K	L
RPVLNKGD	SYGEWGPI	GDSSFIAK(	R	R	P	A	K	G
RPYIAGLG/	VLLVAVGR	IAGLGAEKI	R	R	P	E	K	I
RQLLELQS(	KKRNDEAR	EVDFSHYR:	R	R	Q	Y	R	S
RSDLRPEF/	LHPLVAPR	DLRPEFAE_	R	R	S	A	E	-
RSHGEVHY	EPVRTIARF	YDVDPENK	R	R	S	N	K	T
RSPESYDK/	NGLSNLYK	KADESFTK/	K	R	S	T	K	A
RSTVAQLV	VYVAVGQI	LEQHDAM	K	R	S	M	K	Y
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	R	S	L	K	A
RTGNIVDV	VKEGELVK	VGPGLLGR	K	R	T	G	R	V
SADEVINM	VVTVTKFK:	SNINTALK\	K	S	A	L	K	V
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	S	A	F	R	K
SAEMALVC	EKEEAIFRS	YIPQEISRD	R	S	A	S	R	D
SALEHNEV	MQSISPVK	ALEHNEVK	K	S	A	V	K	I
SASAGGVP	TVEITRHKS	QSSWSVFK	K	S	A	F	K	N
SATESFVA1	KELLASLKS	TESFVATF_	K	S	A	T	F	-
SAVLNTTF1	SLTPGVAK:	TQPFFTAR(	K	S	A	A	R	G
SCPGFGNC	QREIQKAK	FGNCQCGI	K	S	C	G	R	H
SDGVAGLY	DVYKKTLK:	DGVAGLYF	K	S	D	Y	R	G
SDMSMMI	LLDYMRIR:	SDMSMMI	R	S	D	R	W	-
SEGWIPSSI	EEGVLPWI	EGWIPSSR	K	S	E	S	R	R
SEIPEHVIQ	LSADLAAR:	QLLDSLPKI	R	S	E	P	K	D
SEITELRR	IEQISSYKSI	SEITELRRN	K	S	E	R	R	N
SERPELTSA	WVKTILTK:	QNVVTGGI	K	S	E	G	R	A
SEYTDMLA	AKGYDASK	TGIIDPFKV	K	S	E	F	K	V
SFVSSPIVR	_____	FVSSPIVRD	K	S	F	V	R	D
SGGGGGG	FSSSYLSRS	LGSGGSIR:	R	S	G	I	R	S
SGLDQEQL	FVGWWM	DQEQLDAI	K	S	G	A	R	K
SHGEVHYY	PVRTIARR:	YDVDPENK	R	S	H	N	K	T
SHLQSNQL	EGMADLVI	PLDFALGK:	K	S	H	G	K	S
SIEGFLNDL	GKDDDVVI	GFLNDLEK	K	S	I	E	K	D
SIEGFLNDL	GKDDDVVI	NDLEKDTR	K	S	I	T	R	Q
SIIELEHYG\	YMTREAPK	HYGVPFSR	K	S	I	S	R	T
SIIEPIVNFA	PVGTVDEK	PIVNFALKK	K	S	I	L	K	K
SIQPYLQR	TNFYQQYK	SIQPYLQR:	K	S	I	Q	R	S
SKAEAESLY	QNEDIAQK	AESLYQSK\	K	S	K	S	K	Y
SKELTTEID	AEAWFNEI	IEQISSYKSI	K	S	K	Y	K	S
SLDFLNQSI	SLPGSTDK:	NQSFIQQK	K	S	L	Q	K	A
SLDLDSIIAI	ILSMDNNR	DSIIAEVKA	R	S	L	V	K	A

SLLEGEGSS	ENEIQTYRS	GSSGGGGF	R	S	L	G	R	G
SLNLTLRK	TPIGKGHR	SLNLTLRKT	R	S	L	R	K	T
SLNNQFAS	SREREQIKS	QFASFIDK	K	S	L	D	K	V
SLNNQFAS	SREREQIKS	ASFIDKVRF	K	S	L	V	R	F
SLPQGPAP	ANVVHFYK	QGPAPAIK	K	S	L	I	K	A
SLQDIIAIL	QETLQTYK	DELSEQDK	K	S	L	D	K	L
SLQDIIAIL	QETLQTYK	QDKLTVER	K	S	L	E	R	A
SLVNLGGS	AGGGFGSF	LVNLGGSK	R	S	L	S	K	S
SLWDSSEK	DGVVGLVK	NSQKIEAKI	K	S	L	A	K	K
SMIEYLEA	TSVFPFNK	EYLEATGR	K	S	M	G	R	G
SNHNELLT	SSFLSYLKS	NELLTEIRE	K	S	N	I	R	E
SNVNDNG	TSKGHVKK	DNGVNLEK	K	S	N	E	K	Q
SPNIVFAD	VTLELGGK	FADAELKK	K	S	P	K	K	A
SPPVYSDIS	_____	PVYSDISR	M	S	P	S	R	N
SPTFVGDL	GAFDLCLK	ISAGSISRY	K	S	P	S	R	Y
SPTGIVLM	NMQNAQK	MNMGGPS	R	S	P	S	K	V
SQTDAFYT	QTASVLNR	DAFYTQYK	R	S	Q	Y	K	N
SQVVSNNF	FKHRLCLR	SNNPEMIR	R	S	Q	I	R	R
SQYEQLAE	TQLLNNMI	QLAEQNRK	R	S	Q	R	K	D
SSAGFADK	DLVINYLKS	FADKIDGR	K	S	S	G	R	M
SSEVTDQG	MDKLLPGK	VEEHIEQR	K	S	S	Q	R	G
SSLKTELQT	NVAAQAIR	QTASVLNR	R	S	S	N	R	S
STFNQIAVI	LNDNSKIK	QIAVMDPK	K	S	T	P	K	M
STGVENSG	LVRFASTR	GAGPTSFK	R	S	T	F	K	T
STLDREYIT	ELLGGTFK	DREYITLKA	K	S	T	L	K	A
STLGCPPTI	FGIYGSLKS	IEIGGGGH_	K	S	T	G	H	-
STQEVITFE	VVPGFNIK	ITFENLLKQ	K	S	T	L	K	Q
STVAQLVQ	YVAVGQKF	LEQHDAM	R	S	T	M	K	Y
STVETFISS	LLSSAGAK	ADVLAMA	K	S	T	A	K	V
SVHAVHSH	FNEKSVIK	SYDEEPYK	K	S	V	Y	K	I
SVHEPVQT	APGILPRR	EPVQTGLK	R	S	V	L	K	A
SVTKPVAP	FYSTDKSK	TDAPAKPK	K	S	V	P	K	E
SVYSNLYK	PPTVAQFK	SVYSNLYK	K	S	V	Y	K	Q
SYAYFMVG	NNDADKG	LLSSAGAK	R	S	Y	A	K	S
SYPISEGPE	ELVKEVSK	PISEGPERA	K	S	Y	E	R	A
SYSNSVQW	YCTNYGTK	YSNSVQW	K	S	Y	W	R	V
TAAENDFV	YEDEINKR	ENDFVTLK	R	T	A	L	K	K
TAFKPHEL	ALADVLYK	ESVLPAAR	K	T	A	A	R	Y
TATQEGVI	GILDCFKR	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	LDTILNQKF	K	T	A	Q	K	R
TAVALDTIL	IGDRQTGK	DTILNQKR	K	T	A	K	R	W
TDGSAPGL	GLETLYSR	AGVSYLTR	R	T	D	T	R	Y
TEADIDEM	YLGSFPSK	DIDEMVSK	K	T	E	S	K	A
TEILANEQ	VAVMKNG	LANEQGNF	K	T	E	N	R	I
TELQTASV	QAIRSSLK	QTASVLNR	K	T	E	N	R	S
TFDLQSDA	QQLIEMEK	NILAQGEK	K	T	F	E	K	D
TFESEAAH	ILVTPDGK	AAHGTVTF	K	T	F	T	R	H
TFGLFANV	SLNLTLRK	FANVRPAK	K	T	F	A	K	S
TGDGDIEN	DATTITAK	WATGNAP	K	T	G	P	R	E
TGDLAGTA	IASGPENR	SFTEAVIKR	R	T	G	I	K	R

TGHALLHT RTCAVADR TLYGQALR R	T	G	L	R	H
TGNIVDVP KEGELVKR VGPGLLGR R	T	G	G	R	V
TGPIVYVQ _____ NADGIFFK M	T	G	F	K	L
THEYQADA FVMSLISR YQADAYAK R	T	H	A	K	K
TIAMDGTE HLGENTVR DGTEGLVR R	T	I	V	R	G
TIEQSPSFG EKPIFNAK EQSPSFGK K	T	I	G	K	F
TIEQSPSFG EKPIFNAK DTDANVPF K	T	I	P	R	D
TIFEAENIP KEITDSVR DWETINIK R	T	I	I	K	Q
TIFTVTPGS AAHGLKSK TPGSEQIR K	T	I	I	R	A
TIIATGGYG IHRFRAHK IATGGYGR K	T	I	G	R	A
TKEQGYFE PSKAKSNR YFEGNNSR R	T	K	S	R	N
TKPYLDKV FSQMACEK YLDKVESK K	T	K	S	K	L
TLEDELEV VITIREGRT LEVTEGMR R	T	L	M	R	F
TLFWNPVV FFWGDGD FWNPVVN K	T	L	N	R	H
TLLDIDNTR DLTVGNNK LLDIDNTR K	T	L	T	R	M
TLLEAIDAI KAGVVKGK RPTDKPLR K	T	L	L	R	L
TLLEGEESR DLEIATYRT LLEGEESR R	T	L	S	R	M
TLNDMRQ APGKDLTK EYEQLIAK K	T	L	A	K	N
TLNPSFSEK SDFSVNVK LNPSFSEK K	T	L	E	K	G
TLSDYNIQK GKQLEDGR LSDYNIQK R	T	L	Q	K	E
TLTDEHEA EITLEKEKT NAVEEIDR K	T	L	D	R	N
TLVGVSHT SLDRVAWR SHTNEEVR R	T	L	V	R	N
TNAENEFV YEDEINKR ENEFVTIK R	T	N	I	K	K
TNAENEFV YEDEINKR NEFVTIKK R	T	N	K	K	D
TNEAAGDC LLQEVASK TSATVLGR K	T	N	G	R	A
TNKDDKLN GIRKITGK DKLNPFEK K	T	N	E	K	I
TPEEHETC FHAFIVYR TCSQLVDR R	T	P	D	R	M
TPHEIQEA KPVFIRHR SVDMSALK R	T	P	L	K	D
TPHEIQEA KPVFIRHR DPQTDADR R	T	P	D	R	V
TPLDFLLR SMQYEYCR TPLDFLLR R	T	P	L	R	R
TPNFDDVL LASKSTYR PNFDDVLK R	T	P	L	K	E
TPQDILLR VNLLYGNK TPQDILLR K	T	P	L	R	K
TPTDDANA MSWLFGD GQDTTKPK K	T	P	P	K	E
TPTSTDQP TTMPSHTK PLPGPTPK K	T	P	P	K	A
TQEFSQMA GVEISKQK FSQMACEK K	T	Q	E	K	T
TQSQIEDF RLKNQIVK QSQIEDFK K	T	Q	F	K	Y
TQSQIEDF RLKNQIVK EDFKYNHK K	T	Q	H	K	G
TQSSLDEG QKDVSVFR SSLDEGVR R	T	Q	V	R	N
TREGNDLY VFTGVGER REGNDLYR R	T	R	Y	R	E
TRIPDIDLI FKSLKGVK DIDLIVIRE K	T	R	I	R	E
TTSTTLESE SDLYTVLK SELYAIAKE K	T	T	A	K	E
TTYENVDL AKSIEGFK NVDLVLIR K	T	T	I	R	E
TVDAVLNA PVIYGYAK IVLGLITRR K	T	V	T	R	R
TVDLSISTK LIVELGDK VDLSISTK K	T	V	T	K	I
TVFIQELIN FGGAGVGI ELINNIAKA K	T	V	A	K	A
TVIGEVLLE KFKKEHGK EQAYGGM K	T	V	M	R	G
TYMGWW _____ WGHMGG K	T	Y	P	K	Q
VACFLER GTLDSNGK KVACFLERI K	V	A	E	R	K
VAEEEERLE RRWENALE EEEERLEKE R	V	A	E	K	E
VAFTGSTA TNHPKIKK TGSTATGR K	V	A	G	R	H

VALVFGQN INLEGESKV MNEPPGA K	V	A	A	R	A
VAQYTVPV _____ QYTVPVGK M	V	A	G	K	A
VATVSLPR SPATLNSR\ VATVSLPR R	V	A	P	R	S
VCHAHPTL ASAEDVAR PTLSEAFKE R	V	C	F	K	E
VDASSQSF LKHIINNRV VPDYYGEK R	V	D	E	K	I
VDLLNQEI IKVELQSKV NQEIEFLK\ K	V	D	L	K	V
VEEWYGE EMRGMAL WYGEDLK K	V	E	K	K	F
VEFEKPLL ITDPKSSKV PLLLLSEKK K	V	E	E	K	K
VELAHEAK EAFELKQK' VELAHEAK K	V	E	A	K	A
VEVNLAAI ADVLAMA LAAIPLGKN K	V	E	G	K	N
VFGLNNIQ AVGDGIAR VEFSSGVK R	V	F	V	K	G
VFNTVVST RLQKQDNF STPVTNQK R	V	F	Q	K	S
VGDPFDES KAASESIKV TSQMQLN K	V	G	N	K	I
VGGASEVE SGGVAVIR' SEVEVGEK R	V	G	E	K	K
VGGASEVE SGGVAVIR' EVEVGEKK R	V	G	K	K	D
VGLIGSCT NNWPLDV SSYEDMSR R	V	G	S	R	S
VGPAASW NSLQRNEK VGPAASW K	V	G	W	K	T
VGQSLSIV LNLTQLSK\ VSNDELSK K	V	G	S	K	A
VHYQTTGF FENEANW PEIAHQTK K	V	H	T	K	G
VIEFLSANK GSQVAVEK EFLSANKK K	V	I	K	K	E
VIIIDTDPN KLNRDLSK\ DTDPNSYK K	V	I	Y	K	L
VIIQYLQQL GESKLSGK\ IQYLQQLK K	V	I	L	K	E
VILNAVESL DPNIDFER\ LNAVESLK R	V	I	L	K	E
VKEVQEQ\ KHSEVFRR' EQVQHTV R	V	K	V	R	L
VKQPVVEL LAAFSKIKV LDGDEMTI K	V	K	T	R	I
VLAGTTDI FFLPWQGK GTTDIPLK K	V	L	L	K	Q
VLASLHDY SDFSRRLR\ NNQDLIAR R	V	L	A	R	V
VLAVGDGI ANLNETGR AVGDGIAR R	V	L	A	R	V
VLDELTLT ADINGLRR' LDELTLTK R	V	L	T	K	A
VLDEVVVD TALVKASR\ VVDNFDQI R	V	L	Q	K	L
VLEELLSE LDADAFQR STELDNFK R	V	L	F	K	R
VLEHLHST EENDHPNF TPLSLPTR R	V	L	T	R	G
VLFDDMV GGSIAMAF ATTSQMAI R	V	L	A	K	D
VLFDVSK QNVAETTK KVLFDVSK K	V	L	S	K	E
VLFDVSKE QNVAETTK ESEAFELK K	V	L	L	K	Q
VLGAEEFP\ ANQDQGV PVQGEVVK R	V	L	V	K	I
VLQQSISE GNPKFQEK EIEQLLSK K	V	L	S	K	L
VLYDAEIS NQEIEFLK\ ILSMDNSR K	V	L	S	R	N
VMFFLPW DVRTSDGR FFLPWQGK R	V	M	G	K	V
VMGDEFN NAVHATV DEFNWSE K	V	M	E	K	K
VNLLYGNK ENPNDKTK VNLLYGNK K	V	N	N	K	T
VNQIGTLS AADALLLK\ GTLSESIK K	V	N	I	K	A
VNVFNINN EGFSTLKK\ VFNINNNR K	V	N	N	R	Y
VNYGVMY QGSGFYNF VMYDYVE R	V	N	E	K	E
VPVGDQP VDLPGLTK' DQPPDIER K	V	P	E	R	Q
VQALEEAN RLASYLDK\ ANNDLEN K	V	Q	N	K	I
VQETLQTY EHYDVASK QETLQTYK K	V	Q	Y	K	S
VQLLDATE NLNKIYNK\ LDATEIFRT K	V	Q	F	R	T
VQSELGNP LAKSVISRV QSELGNPK R	V	Q	P	K	F
VSDSGIVTL ASSQVKAK GIVTLAYK K	V	S	Y	K	Q

VSDVLNAS	FADARMKI	SDVLNASR	K	V	S	S	R	N
VSLQDIK	LLYDGVER'	RVSLQDIK[	R	V	S	I	K	D
VSLQDIKDI	LLYDGVER'	DIKDFADK'	R	V	S	D	K	V
VSLQDIKDI	LLYDGVER'	FADKVYTK	R	V	S	T	K	E
VSNLNDAV	ARVGDNLF	VEEVVSLK(	R	V	S	L	K	G
VSNWYHQ	GLGLTTEK'	VSNWYHQ	K	V	S	Q	K	F
VSPEDPAV	RSIAKSNK'	MAGIEAEK	K	V	S	E	K	L
VTIADDNE	LVVLPRYR'	DDNEDLNI	R	V	T	N	K	I
VTSTSSAVI	APKANTPK	TDFQETFK	K	V	T	F	K	T
VTVLGAGC	STVANPYK	QPLSLLLKL	K	V	T	L	K	L
VTVVEFQP	VYSRLGSK'	SMDGEVA	K	V	T	A	K	A
VVDALGNF	VGPGLLGR	LGNPIDGK	R	V	V	G	K	G
VVDALGNF	VGPGLLGR	GPIDAAGR	R	V	V	G	R	S
VVDLLAPY/	EILETGIKV'	DLLAPYAR(	K	V	V	A	R	G
VVPGYGH/	WDTLNAG	GYGHAVLF	R	V	V	L	R	K
VVTADQG	NKSDMETF	DQGEALAK	R	V	V	A	K	E
VYVEESIYD	EVCCAGSR	VEESIYDKF	R	V	Y	D	K	F
VYVEESIYD	EVCCAGSR	DKFIEEFKA	R	V	Y	F	K	A
VYWPFFVA	RFPTPILKV	AVYYGMSI	K	V	Y	S	K	A
WDIVLSNA	VSTILDTK'	VLSNMLVK	K	W	D	V	K	T
WENMPST	AVMDLQSI	EQQDIVSK	R	W	E	S	K	L
WHMYDT\	NMHKDNV	WHMYDT\	K	W	H	V	K	G
WLISQEAI	NNKIIGSR'	DTIMNMT	R	W	L	T	K	G
WNNGSDE	DTILNQKR'	NGSDESKK	R	W	N	K	K	L
WQGKPVF	LGKNVVVK	QGKPVFIR	K	W	Q	I	R	H
YAFEYAR	DASERVIR'	RYAFEYAR/	R	Y	A	A	R	A
YAGILDCF	KQGTLDRK	AGILDCFKF	K	Y	A	F	K	R
YAGILDCF	KQGTLDRK	GILDCFKRT	K	Y	A	K	R	T
YAMALSYF	ISAGSISRY/	MALSYFAK	R	Y	A	A	K	D
YCAITGAS	KYGAKTGK	GASDGIGK	K	Y	C	G	K	E
YDGAFDCL	MTSGQAV	DGAFDCLR	K	Y	D	L	R	K
YDGAFDCL	MTSGQAV	GAFDCLRK	K	Y	D	R	K	I
YDNIPEHA	FKAVLEGK'	GIEDVVAK/	K	Y	D	A	K	A
YDYAVAEC	ESVLPAAR'	VAEQCPVK	R	Y	D	V	K	S
YECLQPSG	ASAQFFLK'	LQPSGSFK	K	Y	E	F	K	S
YEELQITA	AESLYQSK'	ELQITAGR	K	Y	E	G	R	H
YENEVALR	AADDFRLK	YENEVALR	K	Y	E	L	R	Q
YFDGDNA	RLARYKAK'	DGDNASG	K	Y	F	G	K	P
YFPTQALN	GNTANVIR	QALNFAFK	R	Y	F	F	K	D
YFPTQALN	GNTANVIR	LNFAFKDK	R	Y	F	D	K	I
YFQPSSIDE	IYSAKPERY	DEVVELVK	R	Y	F	V	K	S
YGHPDGP(	LVRQNYLK	SHGIALPRF	K	Y	G	P	R	F
YIPQAGIPP	LSALYVSKY	NIVSGFGK	K	Y	I	G	K	I
YLAPAYK	GFTGLVAK	KYLAPAYK	K	Y	L	Y	K	D
YLAPAYKD	GFTGLVAK	YKDFADAR	K	Y	L	A	R	M
YLCEVNKV	TLVPESPR\	VNKVEDAK	R	Y	L	A	K	R
YLCEVNKV	TLVPESPR\	NKVEDAKF	R	Y	L	K	R	S
YLENCNPR	GFFGLQKK	YLENCNPR	K	Y	L	P	R	D
YLPDASSQ'	VNIEFATR\	PDASSQVK	R	Y	L	V	K	A
YLVDYAQD	NILNMFDK	QDLFKEEK	K	Y	L	E	K	I

YPFTIGELK	LVNFDTFR'	PFTIGELKY	R	Y	P	L	K	Y
YQVTVIDA	LWKFETPK	VIDAPGHR	K	Y	Q	H	R	D
YSILYNR	NAGDMIN	RYSILYNRT	R	Y	S	N	R	T
YSMQYEYC	PFTIGELKY	SMQYEYCF	K	Y	S	C	R	T
YSTLPSAN	KKWDKQN	TLPSANSKI	K	Y	S	S	K	D
YTNPLFMC	GFMHLYLK	MQSISPVK	K	Y	T	V	K	S
YTVSFIEGD	KPNPSTGK	GIGPEISKS'	K	Y	T	S	K	S
YVDIGKNE	MQLNKILK	TLITGGERL	K	Y	V	E	R	L
YVEPGNAN	KNDMTTM	AMSGEGEI	K	Y	V	E	K	L
YYQNNWT	DFLNSASR'	NNWTDGP	R	Y	Y	P	R	Q

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
3	1	0	0	0	0	0	0	0
2	1	0	0	0	0	1	1	0
3	0	1	0	0	1	2	0	0
3	1	1	0	0	0	1	0	0
3	0	1	1	0	1	0	1	0
2	0	0	2	1	0	0	1	1
3	0	0	0	0	0	2	4	0
1	0	1	1	0	1	1	1	0
4	1	1	0	0	1	3	0	0
2	0	0	0	0	1	2	0	0
1	1	0	2	0	0	0	0	1
1	0	1	0	0	0	1	0	0
3	0	1	0	0	2	0	1	1
1	1	2	2	0	0	0	2	0
6	1	1	0	0	1	0	1	0
1	2	0	0	0	0	3	1	0
1	1	0	0	0	0	1	4	1
1	1	0	0	0	1	1	0	3
4	0	0	1	0	0	1	1	0
1	0	1	0	0	0	1	0	0
3	0	1	2	0	2	0	0	0
1	1	0	1	0	1	0	1	0
1	0	0	0	0	1	0	1	0
4	0	0	1	0	2	1	1	0
1	1	0	0	0	0	0	1	0
1	1	0	0	0	0	1	0	0
3	0	4	0	0	0	0	1	0
1	1	0	0	0	0	1	0	1
2	0	1	1	0	1	1	1	0
2	0	0	1	0	0	0	1	0
1	0	0	1	0	0	1	0	0
2	1	0	1	0	1	0	1	0
2	0	0	0	0	1	0	1	0
2	1	0	0	1	0	3	0	2
2	1	0	0	0	0	2	0	0
1	0	0	0	0	0	0	1	0
1	1	2	0	0	0	0	0	0
2	0	1	0	0	1	2	0	0
4	0	1	1	0	0	2	0	0
1	0	1	0	0	0	0	0	0
2	0	2	0	0	0	1	0	0
2	0	2	0	0	0	1	0	0
1	0	1	0	0	1	2	0	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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0	1	1	0	0	1	2	1	0
1	1	1	0	0	0	0	0	0
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0	2	2	0	1	0	0	0	0
1	2	0	0	1	3	2	1	0
1	1	0	0	0	0	0	0	0
3	4	1	0	2	1	1	2	0
4	0	1	0	0	0	1	0	0
1	2	1	0	0	0	1	0	0
2	1	0	0	0	0	3	0	0
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2	1	1	1	0	3	0	1	0
0	0	0	0	1	1	0	0	0
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2	1	1	0	0	1	0	1	0
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2	3	1	0	0	2	2	0	0
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2	1	1	1	1	1	1	2	0
1	0	0	0	1	1	3	0	0
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1	1	1	0	1	0	2	5	0

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2	0	1	0	2	1	0	1	0
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1	1	0	1	0	0	0	2	0
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2	0	1	0	2	2	2	2	0
5	0	1	0	1	1	0	2	1
2	0	0	0	1	1	1	3	0
2	0	0	0	0	0	0	2	0
0	0	1	0	1	0	1	1	0
0	1	3	0	0	1	1	1	0
0	2	0	1	0	0	0	2	0
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1	2	0	0	0	0	0	2	0
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0	3	0	0	1	1	0	1	0
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1	2	0	0	0	1	0	1	0
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1	2	0	1	0	0	0	1	0
0	0	1	2	0	1	0	1	2
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0	0	0	0	1	0	1	3	0

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1	3	1	0	1	0	0	0	0
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0	4	2	0	1	1	1	0	0
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1	2	1	0	0	1	0	0	0
1	2	1	0	2	0	2	0	0
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1	1	0	1	0	0	4	1	0
0	0	1	0	0	1	1	0	1
1	2	1	0	0	0	4	0	0
1	0	1	0	0	1	0	3	0
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3	0	1	0	0	1	1	1	0
2	2	1	0	0	0	0	0	0
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0	0	1	1	1	0	1	0	1
0	2	1	0	0	0	0	0	0
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1	0	0	0	1	0	0	0	0
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1	0	0	0	0	3	0	0	0
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2	2	1	1	0	2	1	0	0
1	1	1	0	0	0	0	1	0
0	1	1	0	2	0	3	4	0
1	5	1	0	0	1	1	1	0
1	0	1	1	1	1	1	1	0
1	1	1	0	0	1	0	0	0
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0	1	1	0	0	0	0	1	0
1	0	1	0	0	0	1	0	0
2	0	2	0	2	0	1	0	0
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1	2	1	1	0	0	1	0	1
1	0	1	1	0	1	2	1	1
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1	0	1	0	1	1	0	0	1
0	0	0	0	1	0	0	0	0
1	1	1	0	1	0	0	0	0
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2	0	1	0	0	0	1	1	0
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0	1	2	0	3	1	0	1	0
1	1	1	0	1	1	2	0	0
1	1	0	0	0	3	2	1	0
4	0	1	0	1	3	1	0	0
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0	1	1	0	1	1	0	0	0
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0	1	1	0	0	1	2	0	0
0	2	2	0	1	0	0	0	0

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1	1	0	0	0	0	1	0	0
0	0	0	1	0	0	1	0	0
0	1	1	0	0	1	3	1	0
1	1	1	1	1	2	2	1	0
3	0	1	0	1	1	2	1	0
2	1	1	0	0	0	0	2	0
0	0	1	1	0	1	1	0	0
0	0	0	0	0	1	0	1	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	1	0	8	0	777,4497	sp|P09457	sp|P09457	21
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
2	1	0	10	0	1168,588	sp|P32366	sp|P32366	267
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
1	2	0	15	0	1679,765	sp|Q03028	sp|Q03028	56
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
1	2	0	22	0	2362,206	sp|P14906	sp|P14906	433
0	1	0	17	0	1800,922	sp|Q1223(	sp|Q1223(	176
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
0	0	0	8	0	1003,455	sp|P21560	sp|P21560	102
0	0	0	8	0	908,4604	sp|P16622	sp|P16622	208
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	15	0	1647,764	sp|P46367	sp|P46367	94
2	1	0	17	0	1750,937	sp|P21306	sp|P21306	7
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
0	0	0	8	0	946,5488	sp|P32563	sp|P32563	318
0	2	0	23	1	2467,369	sp|P30624	sp|P30624	176
0	1	0	12	0	1306,797	sp|P00890	sp|P00890	440
2	0	0	9	0	1213,592	sp|P00410	sp|P00410	119
0	1	0	13	0	1286,647	sp|P08417	sp|P08417	98
0	0	0	7	0	728,4545	sp|P00854	sp|P00854	180
0	0	0	7	0	832,4477	sp|Q00711	sp|Q00711	337
0	0	0	18	1	1851,058	sp|P05626	sp|P05626	48
1	1	0	10	1	1188,625	sp|P04385	sp|P04385	394
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
0	0	0	9	0	929,493	sp|P41811	sp|P41811	686
0	1	0	10	1	1013,623	sp|P07251	sp|P07251	419
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
0	2	0	9	0	990,4804	sp|Q1223(	sp|Q1223(	71
0	0	0	7	1	827,4364	sp|P18239	sp|P18239	113
1	0	0	11	0	1298,611	sp|P21801	sp|P21801	225
0	0	0	9	0	1014,535	sp|P36112	sp|P36112	256
1	0	0	16	2	1810,947	sp|P07213	sp|P07213	88
0	0	0	7	0	731,4178	sp|Q1223:	sp|Q1223:	16
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	1	0	11	0	1375,714	sp|P00890	sp|P00890	315
0	0	0	16	0	1651,926	sp|P05626	sp|P05626	50
0	0	0	8	0	832,3828	sp|P19882	sp|P19882	299
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170
0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
0	0	0	18	0	1830,948	sp|P53252	sp|P53252	12

2	1	0	20	0	2203,141	sp|P00128	sp|P00128	96
2	0	0	12	0	1525,716	sp|Q05359	sp|Q05359	51
0	1	0	13	0	1482,804	sp|P32191	sp|P32191	130
1	0	0	9	0	1106,536	CON__P35	CON__P35	360
2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
0	1	0	8	0	881,4243	sp|P17255	sp|P17255	507
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189
0	1	0	12	0	1313,719		REV__CON__Q6IME9	
0	1	0	10	1	1036,603	sp|P00890	sp|P00890	452
0	1	0	10	0	1053,546	sp|P28834	sp|P28834	325
0	2	0	8	0	944,508	sp|P05626	sp|P05626	187
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	1	0	21	0	2291,936	sp|Q00711	sp|Q00711	253
1	2	0	14	0	1559,758	sp|Q12349	sp|Q12349	84
0	0	0	16	1	1804,863	sp|P54783	sp|P54783	359
0	0	0	10	0	1311,563	sp|P31382	sp|P31382	384
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
0	1	0	12	0	1332,704	sp|P17505	sp|P17505	106
0	1	0	16	0	1921,942	sp|P00830	sp|P00830	278
0	0	0	9	0	1015,53	sp|P32563	sp|P32563	344
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
0	4	0	24	0	2472,177	sp|P54837	sp|P54837	38
1	1	0	21	0	2267,086	sp|P04840	sp|P04840	20
2	0	0	10	0	1249,525	sp|P39007	sp|P39007	606
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
0	1	0	12	0	1360,647	sp|P21801	sp|P21801	159
1	1	0	10	0	1160,557	sp|P13181	sp|P13181	111
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
1	1	0	10	0	1180,576	sp|P04039	sp|P04039	32
0	2	0	12	0	1187,676	sp|P31382	sp|P31382	341
0	2	0	11	0	1229,625	sp|P16603	sp|P16603	49
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	18	0	1897,891	sp|P28834	sp|P28834	339
0	1	0	13	1	1486,843	sp|P27895	sp|P27895	490
0	0	0	8	0	907,44	sp|P14020	sp|P14020	176
0	0	0	20	2	2250,085	sp|P19414	sp|P19414	513
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
0	0	0	10	0	1197,497	sp|Q03713	sp|Q03713	14
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	0	0	13	0	1459,727	sp|P30902	sp|P30902	117
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132
0	1	0	8	0	917,4641	sp|P32191	sp|P32191	345
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291
0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
1	0	0	16	0	1732,9	sp|P36060	sp|P36060	281
0	0	0	13	0	1531,675	sp|P39727	sp|P39727	148

0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	17	1	1902,965	sp|P05626	sp|P05626	140
0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	0	0	11	1	1308,606	sp|P19882	sp|P19882	416
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
1	1	0	9	1	1094,511	sp|P54837	sp|P54837	68
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
1	0	0	14	0	1517,736	sp|P32803	sp|P32803	80
0	2	0	9	0	912,528	sp|Q00711	sp|Q00711	608
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
1	1	0	13	0	1591,804	sp|P23644	sp|P23644	73
1	1	0	9	0	1085,562	sp|P00163	sp|P00163	71
0	2	0	14	0	1591,813	sp|P17505	sp|P17505	265
0	1	0	19	0	2161,992	sp|P81449	sp|P81449	64
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q02776	sp|Q02776	134
1	1	0	10	0	1139,525	sp|P28834	sp|P28834	276
1	2	0	20	0	2264,096	sp|P33767	sp|P33767	142
1	1	0	10	0	1194,515	sp|P29704	sp|P29704	226
1	0	0	9	0	1140,512	CON__P04	CON__P04	464
1	1	0	8	0	1022,467	sp|P40215	sp|P40215	295
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
0	3	0	20	0	2153,158	sp|Q12165	sp|Q12165	141
0	0	0	12	0	1436,766	sp|P21576	sp|P21576	495
0	2	0	11	0	1151,63	sp|P32191	sp|P32191	610
0	0	0	15	0	1699,936	sp|Q07914	sp|Q07914	112
0	1	0	19	0	2002,923	sp|P40215	sp|P40215	93
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
1	0	0	8	0	1024,49	sp|P38325	sp|P38325	28
0	2	0	13	0	1445,627	sp|P46367	sp|P46367	81
0	1	0	9	0	1065,436	sp|P47075	sp|P47075	385
0	3	0	15	1	1666,916	sp|P32191	sp|P32191	409
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
0	1	0	16	0	1829,952	sp|Q01532	sp|Q01532	16
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
0	0	0	11	0	1145,604	sp|P07256	sp|P07256	89
1	0	0	7	0	865,393	sp|P00830	sp|P00830	226
0	1	0	7	0	786,46	sp|P19882	sp|P19882	193
1	2	0	12	1	1378,709	sp|P28834	sp|P28834	72
0	0	0	8	0	921,4668	sp|P19414	sp|P19414	669
0	0	0	9	0	1059,52	sp|P00425	sp|P00425	45
1	0	0	23	0	2509,125	CON__P35	CON__P35	450
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
1	0	0	10	1	1254,625	sp|P07255	sp|P07255	45
0	0	0	14	2	1543,882	sp|P07251	sp|P07251	522
0	1	0	11	0	1394,647	sp|P32563	sp|P32563	305
0	0	0	7	0	814,4549	sp|P07251	sp|P07251	202

0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105
0	1	0	22	1	2339,252	sp|P38077	sp|P38077	105
0	0	0	16	1	1829,948	sp|P30902	sp|P30902	114
0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
0	0	0	10	0	1188,581	sp|P36775	sp|P36775	479
0	0	0	12	0	1232,6	sp|P21576	sp|P21576	389
1	0	0	17	0	1995,964	CON__P13	CON__P13	346
0	1	0	15	1	1662,814	sp|P00830	sp|P00830	233
1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
1	3	0	23	0	2544,217	sp|P28241	sp|P28241	151
0	1	0	12	0	1388,657	sp|P54783	sp|P54783	499
1	0	0	16	0	1835,843	sp|P21560	sp|P21560	126
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	3	0	17	0	1566,737	sp|P40319	sp|P40319	318
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	1	0	13	0	1522,74	sp|P05626	sp|P05626	164
0	1	0	14	0	1494,705	sp|P32324	sp|P32324	565
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
1	2	0	12	1	1477,778	sp|P32803	sp|P32803	145
0	3	0	15	0	1646,852	sp|P40075	sp|P40075	166
1	1	0	12	0	1313,65	sp|P19414	sp|P19414	145
1	1	0	18	0	2091,062	sp|P28241	sp|P28241	225
0	0	0	7	0	844,4119	sp|P28834	sp|P28834	176
0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
1	0	0	9	0	938,5226	sp|Q1223(	sp|Q1223(	213
0	0	0	7	0	826,4225	CON__P35	CON__P35	195
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
0	1	0	11	0	1275,61	sp|P38077	sp|P38077	230
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
0	0	0	20	0	2063,006	sp|P07213	sp|P07213	223
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
2	0	0	7	0	904,4443	sp|P31382	sp|P31382	99
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	1	0	14	0	1663,769	sp|P17505	sp|P17505	175
0	1	0	12	0	1474,778	CON__P04	CON__P04	200
0	0	0	10	0	1065,622	sp|P19414	sp|P19414	677
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	3	0	21	1	2275,273	sp|P00830	sp|P00830	446
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
0	0	0	7	0	814,4953	sp|P81450	sp|P81450	5
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
0	2	0	15	0	1531,825	sp|Q99297	sp|Q99297	40
1	0	0	13	0	1234,521	CON__P35	CON__P35	47
0	2	0	12	0	1445,709	sp|P17255	sp|P17255	356

0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294
0	2	0	13	0	1302,718	sp|P28834	sp|P28834	29
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	1	0	9	1	1100,613	sp|P07143	sp|P07143	300
0	3	0	20	0	2112,162	sp|P00410	sp|P00410	177
1	0	0	8	0	997,4869	sp|P07255	sp|P07255	47
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P40341	sp|P40341	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
0	0	0	16	1	1844,891	sp|P31382	sp|P31382	467
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21
3	0	0	31	0	2382,945	CON__P04	CON__P04	519
0	1	0	10	0	999,5601	sp|P09457	sp|P09457	182
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
2	0	0	23	0	1790,72	CON__P35	CON__P35	491
0	2	0	8	0	926,5338	sp|P36060	sp|P36060	116
1	0	0	20	0	2201,054	sp|P19414	sp|P19414	605
1	0	0	21	1	2329,149	sp|P19414	sp|P19414	605
0	0	0	8	0	978,4593	sp|Q99297	sp|Q99297	175
0	0	0	14	0	1584,888	sp|P30624	sp|P30624	374
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397
1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
2	1	0	13	0	1383,703	sp|P08525	sp|P08525	23
2	2	0	28	1	3111,593	sp|P08525	sp|P08525	23
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
0	1	0	26	1	2510,432	sp|P38325	sp|P38325	100
1	1	0	9	1	1048,534	sp|P30902	sp|P30902	157
1	1	0	11	2	1319,662	sp|P30902	sp|P30902	157
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
1	1	0	13	0	1401,725	sp|P07257	sp|P07257	154
0	1	0	12	0	1238,698	sp|P30624	sp|P30624	164
0	0	0	7	0	771,4491	sp|P40215	sp|P40215	404
0	0	0	12	0	1194,697	sp|P21801	sp|P21801	249
0	0	0	13	1	1322,792	sp|P21801	sp|P21801	249
0	1	0	20	0	2129,077	sp|P28834	sp|P28834	90
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
0	3	0	23	1	2412,32	sp|P07251	sp|P07251	98
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
1	2	0	22	1	2313,189	sp|P08067	sp|P08067	194
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
0	0	0	15	0	1589,845	sp|Q03529	sp|Q03529	181
1	0	0	16	0	1879,816	sp|Q00711	sp|Q00711	120
0	0	0	19	0	1746,767	CON__Q86	CON__Q86	430
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372

0	0	0	19	0	1706,765	CON__P13	CON__P13	41
1	1	0	32	0	3313,637	sp|P32340	sp|P32340	374
1	3	0	17	1	1845,959	sp|P36060	sp|P36060	99
2	0	0	20	0	1739,698	CON__P35	CON__P35	531
1	1	0	14	0	1602,841	sp|P32368	sp|P32368	257
1	5	0	36	0	3685,848	sp|P00830	sp|P00830	335
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138
1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	3	0	16	0	1636,878	sp|P17505	sp|P17505	56
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
1	1	0	25	0	2747,35	sp|P32897	sp|P32897	67
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	2	0	13	1	1469,792	sp|P46367	sp|P46367	400
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
1	1	0	13	0	1574,763	sp|P31382	sp|P31382	106
0	1	0	16	0	1836,958	CON__P35	CON__P35	375
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
0	0	0	8	0	982,5236	sp|P33421	sp|P33421	163
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
0	1	0	18	1	1990,048	sp|P38077	sp|P38077	131
0	0	0	10	0	1123,57	sp|Q04697	sp|Q04697	156
0	0	0	14	0	1646,791	sp|P46971	sp|P46971	344
0	1	0	13	0	1425,678	sp|P21147	sp|P21147	470
0	1	0	7	0	780,4494	sp|P28834	sp|P28834	286
0	1	0	10	1	1122,676	sp|P40046	sp|P40046	15
1	2	0	9	0	1089,597	sp|Q06405	sp|Q06405	30
0	3	0	14	0	1394,85	sp|P46367	sp|P46367	202
0	1	0	17	0	1782,926	sp|P09457	sp|P09457	121
0	1	0	16	1	1795,028	sp|P47127	sp|P47127	58
0	0	0	7	0	915,4814	sp|P40215	sp|P40215	456
0	0	0	8	0	972,524	CON__P04	CON__P04	396
0	1	0	21	0	2108,138	sp|Q04013	sp|Q04013	219
1	0	0	7	0	820,4695	sp|P00128	sp|P00128	11
1	0	0	13	0	1518,761	sp|P07251	sp|P07251	498
0	2	0	11	0	1024,603	sp|P02994	sp|P02994	254
0	1	0	11	0	974,5549	sp|P00830	sp|P00830	186
1	1	0	10	0	1158,603	sp|P00925	sp|P00925	186
0	6	0	28	0	2915,543	sp|Q12165	sp|Q12165	61
0	1	0	20	1	2199,201	sp|P47127	sp|P47127	365
0	1	0	19	0	2015,105	sp|P47127	sp|P47127	112
0	1	0	12	0	1366,746	sp|P00830	sp|P00830	128
0	1	0	16	1	1761,999	sp|P00830	sp|P00830	128
0	0	0	12	1	1451,726	sp|P21801	sp|P21801	73
0	0	0	10	1	1306,67	CON__P35	CON__P35	241
0	1	0	15	1	1601,801	sp|P07251	sp|P07251	53
0	0	0	8	1	912,528	sp|P30902	sp|P30902	142

0	2	0	14	2	1627,886	sp|P30902	sp|P30902	142
1	0	0	20	1	2245,204	sp|P23641	sp|P23641	160
1	0	0	10	0	1248,646	sp|P36112	sp|P36112	424
1	0	0	16	0	1875,923	sp|P19414	sp|P19414	65
0	0	0	15	0	1646,775	sp|Q0802	sp|Q0802	120
0	1	0	10	0	1165,707	sp|P28834	sp|P28834	131
0	0	0	19	1	2082,063	sp|P37299	sp|P37299	59
1	1	0	21	0	2259,157	sp|P00830	sp|P00830	308
0	0	0	13	1	1522,774	sp|P0CH0	sp|P0CH0	30
1	1	0	10	0	1203,65	sp|P23641	sp|P23641	45
1	1	0	11	0	1208,64	sp|Q1223	sp|Q1223	5
0	0	0	14	0	1607,798	sp|Q0277	sp|Q0277	422
0	0	0	13	1	1590,811	sp|P43557	sp|P43557	148
1	0	0	11	1	1433,763	CON__P13	CON__P13	440
0	1	0	19	0	1953,98	sp|P28241	sp|P28241	289
1	1	0	25	1	2828,427	sp|P38077	sp|P38077	195
0	0	0	18	0	1983,064	sp|P19882	sp|P19882	248
0	1	0	7	0	730,4589	sp|P07257	sp|P07257	28
1	0	0	11	1	1239,686	sp|P33775	sp|P33775	526
0	0	0	9	0	1038,571	sp|Q1223	sp|Q1223	149
0	0	0	13	0	1339,698	sp|P30902	sp|P30902	22
0	0	0	14	1	1467,793	sp|P30902	sp|P30902	22
1	0	0	12	0	1280,589	sp|P00890	sp|P00890	238
0	2	0	12	0	1189,671	sp|P18239	sp|P18239	275
0	1	0	8	0	883,5127	sp|Q1240	sp|Q1240	143
0	1	0	11	0	1177,646	sp|P46367	sp|P46367	250
0	1	0	7	2	866,5338	sp|P43585	sp|P43585	128
1	1	0	11	0	1356,763	sp|P21801	sp|P21801	121
1	0	0	11	0	1286,637	sp|P30624	sp|P30624	217
0	1	0	10	1	1076,598	sp|P07256	sp|P07256	241
2	1	0	18	1	1879,032	sp|P21306	sp|P21306	6
0	1	0	16	1	1580,925	sp|P23641	sp|P23641	247
1	0	0	12	2	1436,701	sp|P19882	sp|P19882	415
0	2	0	20	1	2096,098	sp|P18239	sp|P18239	19
1	0	0	14	1	1645,81	sp|P23641	sp|P23641	99
1	1	0	15	2	1726,904	sp|P04385	sp|P04385	35
0	1	0	10	2	1228,708	sp|P07143	sp|P07143	299
1	1	0	13	2	1480,763	sp|P19414	sp|P19414	459
0	1	0	16	1	1749,926	sp|P02992	sp|P02992	277
1	1	0	14	1	1529,82	sp|P07257	sp|P07257	153
1	0	0	19	1	2073,042	sp|P08067	sp|P08067	193
1	2	0	23	2	2441,284	sp|P08067	sp|P08067	193
1	5	0	37	1	3813,943	sp|P00830	sp|P00830	334
0	0	0	19	1	2111,159	sp|P19882	sp|P19882	247
0	2	0	13	1	1317,766	sp|P18239	sp|P18239	274
0	1	0	8	2	913,5961	sp|P07257	sp|P07257	303
0	0	0	11	1	1210,649	sp|P40086	sp|P40086	282
0	1	0	12	1	1348,772	sp|P17505	sp|P17505	160
1	0	0	16	1	1804,932	sp|P32340	sp|P32340	284
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235

2	3	0	13	2	1582,865	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
0	0	0	25	1	2464,281	sp|P39986	sp|P39986	930
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148
0	1	0	10	2	1155,686	sp|Q9919(	sp|Q9919(	22
0	1	0	13	2	1447,83	sp|P28241	sp|P28241	120
0	1	0	10	1	1046,597	sp|P40215	sp|P40215	354
0	1	0	8	1	958,5699	sp|P39704	sp|P39704	116
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
0	1	0	12	0	1267,666	sp|Q04947	sp|Q04947	236
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	2	0	11	0	1145,645	sp|P28241	sp|P28241	210
0	1	0	22	1	2413,259	sp|P46367	sp|P46367	115
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	0	0	14	0	1465,72	sp|P39004	sp|P39004	305
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
1	1	0	9	1	1063,603	CON__P13	CON__P13	157
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
1	1	0	16	1	1984,887	CON__P04	CON__P04	252
2	1	0	12	0	1453,659	sp|P07213	sp|P07213	392
0	0	0	11	0	1201,671	sp|P04840	sp|P04840	85
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	3	0	13	0	1371,725	sp|P37298	sp|P37298	151
0	0	0	10	0	1219,587	sp|Q2V2P4	sp|Q2V2P4	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
0	1	0	11	0	1305,733	sp|P33767	sp|P33767	75
0	0	0	16	2	1990,985	sp|P07213	sp|P07213	311
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29
1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
0	0	0	10	0	1088,659	sp|Q04947	sp|Q04947	75
1	0	0	13	0	1489,818	sp|P33767	sp|P33767	124
0	0	0	8	0	935,4964	sp|P14906	sp|P14906	395
0	2	0	14	0	1472,835	sp|Q00711	sp|Q00711	445
0	0	0	7	0	776,4181	sp|P28834	sp|P28834	200
0	1	0	20	0	2210,097	CON__P00	CON__P00	58
0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	1	0	9	0	939,5753	sp|Q04947	sp|Q04947	208
1	2	0	10	0	1065,546	sp|P33311	sp|P33311	231
0	1	0	18	1	2112,998	sp|P33775	sp|P33775	408
0	1	0	11	0	1275,657	sp|P41939	sp|P41939	250
1	0	0	11	0	1284,587	sp|P19882	sp|P19882	491

0	0	0	9	1	957,5495	sp|P32191	sp|P32191	250
0	0	0	10	0	1104,541	sp|P32891	sp|P32891	371
1	0	0	14	0	1663,919	sp|Q0277(	sp|Q0277(	323
0	0	0	11	1	1255,714	sp|P36112	sp|P36112	254
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
1	1	0	10	1	1233,672	CON__P13	CON__P13	236
0	0	0	9	0	981,5495	sp|P00425	sp|P00425	112
0	0	0	8	0	861,463	sp|P19882	sp|P19882	182
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
1	1	0	14	0	1629,825	sp|P02992	sp|P02992	230
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
0	1	0	14	0	1575,756	sp|P25045	sp|P25045	402
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	1	0	10	0	1140,662	sp|P00410	sp|P00410	204
1	0	0	10	1	1237,646	sp|P19414	sp|P19414	55
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38
1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	12	1	1394,704	sp|Q0417(	sp|Q0417(	121
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
0	1	0	19	0	1991,029	sp|P36060	sp|P36060	75
0	1	0	9	0	1077,546	sp|Q03028	sp|Q03028	150
1	2	0	24	0	2641,375	sp|Q12165	sp|Q12165	34
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	0	0	13	2	1568,908	sp|P19414	sp|P19414	562
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	10	1	1185,647	sp|P43557	sp|P43557	93
0	0	0	9	1	1133,619	sp|Q0153(	sp|Q0153(	184
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	1	0	15	1	1697,858	sp|P39986	sp|P39986	321
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
0	0	0	8	1	1002,546	sp|A5Z2X5	sp|A5Z2X5	46
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	0	0	12	0	1432,643	sp|Q0417(	sp|Q0417(	109
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129
2	0	0	13	1	1516,741	sp|Q03529	sp|Q03529	132
0	0	0	8	0	800,4756	sp|P38077	sp|P38077	161
0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	9	1	991,5702	sp|P07256	sp|P07256	401
0	0	0	10	0	1044,556	CON__P00	CON__P00	98
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
0	0	0	8	0	1002,498	sp|P16474	sp|P16474	553
0	0	0	12	0	1404,718	sp|Q0408(	sp|Q0408(	397
0	1	0	7	0	800,4392	sp|Q0401(	sp|Q0401(	195
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79
0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143

1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
0	1	0	11	0	1263,686	sp|P33767	sp|P33767	229
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
2	3	0	11	0	1298,669	sp|P07251	sp|P07251	236
2	3	0	12	1	1454,77	sp|P07251	sp|P07251	236
2	0	0	9	0	1253,619	sp|P32366	sp|P32366	76
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
1	0	0	10	0	1197,614	sp|P40035	sp|P40035	52
1	0	0	10	0	1272,57	sp|P38077	sp|P38077	77
1	2	0	22	0	2324,172	sp|P30624	sp|P30624	142
0	1	0	10	0	1082,492	sp|P18239	sp|P18239	255
0	2	0	19	0	2217,151	sp|P38264	sp|P38264	1
0	1	0	10	0	1167,523	sp|Q0371	sp|Q0371	4
0	1	0	8	0	947,511	sp|Q0302	sp|Q0302	39
0	3	0	26	0	2564,16	CON__P04	CON__P04	493
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
0	0	0	8	0	889,4076	sp|P38077	sp|P38077	276
1	1	0	14	0	1534,717	sp|P00425	sp|P00424	140
1	0	0	8	0	980,4563	sp|P32563	sp|P32563	113
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	3	0	23	1	2550,26	sp|P07257	sp|P07257	325
0	0	0	12	0	1216,605	sp|P46367	sp|P46367	384
0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	1	0	15	1	1502,846	sp|P54783	sp|P54783	452
0	1	0	9	0	1083,56	sp|Q0401	sp|Q0401	53
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	1	0	10	0	1099,562	sp|Q1223	sp|Q1223	134
0	2	0	22	0	2357,2	sp|P09624	sp|P09624	169
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	14	0	1533,779	sp|P17255	sp|P17255	585
0	0	0	9	1	1098,64	sp|Q1223	sp|Q1223	78
1	0	0	10	2	1307,647	CON__P04	CON__P04	268
0	0	0	9	0	1129,515	sp|Q0277	sp|Q0277	350
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P35	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
0	3	0	14	0	1630,916	sp|P40086	sp|P40086	356
0	1	0	15	1	1818,936	sp|P36112	sp|P36112	230
1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	13	1	1397,824	sp|P07256	sp|P07256	227
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
1	0	0	9	0	1108,504	sp|P40215	sp|P40215	206
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
0	1	0	12	0	1449,664	sp|P36060	sp|P36060	34
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47

1	1	0	26	0	2800,323	sp|P23641	sp|P23641	115
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463
0	0	0	8	0	978,4627	sp|P21801	sp|P21801	103
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	12	0	1316,597	sp|P19882	sp|P19882	127
0	1	0	11	0	1207,693	sp|P40086	sp|P40086	458
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	0	0	12	1	1390,699	sp|P54783	sp|P54783	14
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
1	0	0	7	0	945,4452	sp|Q0277	sp|Q0277	405
1	0	0	11	0	1249,594	sp|Q0153	sp|Q0153	32
3	2	0	25	1	2901,403	CON__P35	CON__P35	200
0	2	0	11	0	1111,635	sp|P07251	sp|P07251	400
0	1	0	12	0	1391,682	sp|P30902	sp|P30902	130
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	1	0	13	0	1421,69	sp|P40086	sp|P40086	67
0	0	0	24	0	2537,265	sp|P00830	sp|P00830	149
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
0	0	0	9	0	1005,524	sp|P00128	sp|P00128	2
0	1	0	14	0	1415,726	sp|Q0401	sp|Q0401	2
2	1	0	14	0	1710,815	sp|P00424	sp|P00424	70
1	3	0	21	0	2215,039	sp|P47127	sp|P47127	247
1	0	0	9	0	1120,576	CON__P35	CON__P35	328
1	1	0	10	0	1195,624	sp|P04710	sp|P04710	160
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
0	2	0	20	1	2152,164	sp|P33775	sp|P33775	23
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
1	0	0	29	0	2849,533	sp|P23641	sp|P23641	62
0	1	0	16	0	1655,873	sp|P19882	sp|P19882	475
0	0	0	9	0	1014,571	sp|P35723	sp|P35723	170
0	0	0	15	0	1715,844	CON__P04	CON__P04	418
0	1	0	10	1	1151,63	sp|P05626	sp|P05626	177
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
0	2	0	8	0	883,5491	sp|P02994	sp|P02994	147
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	1	0	10	0	1207,683	sp|Q0494	sp|Q0494	107
0	1	0	10	0	1219,645	sp|P30902	sp|P30902	89
0	2	0	10	0	1185,635	sp|P19414	sp|P19414	43
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	2	0	13	0	1487,693	sp|P21954	sp|P21954	24
0	1	0	19	0	2025,997	sp|P18411	sp|P18411	78
0	1	0	20	1	2182,098	sp|P18411	sp|P18411	78
0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
0	0	0	20	0	1946,894	CON__Q8	CON__Q8	992
0	1	0	17	1	1947,05	sp|Q1223	sp|Q1223	61
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
1	2	0	17	2	1987,996	sp|P28834	sp|P28834	67
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66

0	1	0	15	0	1736,852	sp|P49334	sp|P49334	75
0	3	0	9	0	913,5597	sp|P02994	sp|P02994	429
0	1	0	10	0	1189,601	CON__P35	CON__P35	262
0	1	0	18	0	2037,009	sp|P32191	sp|P32191	379
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
0	0	0	13	0	1667,794	sp|P54783	sp|P54783	211
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
2	0	0	19	2	2405,104	sp|P13181	sp|P13181	552
0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q06405	sp|Q06405	29
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	1	0	22	1	2393,299	sp|P19882	sp|P19882	266
0	1	0	14	2	1530,852	sp|P00424	sp|P00424	84
1	0	0	11	1	1173,651	sp|P09624	sp|P09624	307
1	1	0	19	1	2345,176	sp|P30902	sp|P30902	42
0	0	0	10	2	1218,599	sp|Q3E7B6	sp|Q3E7B6	64
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
1	0	0	15	2	1758,806	sp|P07213	sp|P07213	293
0	2	0	18	1	2054,058	sp|P07251	sp|P07251	247
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
0	3	0	17	1	1718,979	sp|P07251	sp|P07251	127
1	1	0	30	0	3118,488	sp|P46367	sp|P46367	434
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	1	0	17	0	1980,998	sp|P32563	sp|P32563	11
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	2	0	16	0	1593,779	sp|Q04013	sp|Q04013	145
0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
0	0	0	12	0	1398,523	sp|P49573	sp|P49573	303
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
0	0	0	8	1	1042,403	sp|P07256	sp|P07256	450
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	1	0	16	0	1816,994	sp|P00890	sp|P00890	157
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
0	2	0	17	1	1799,913	sp|Q12480	sp|Q12480	216
1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
0	2	0	9	0	990,5498	sp|P39986	sp|P39986	5
0	0	0	16	0	1231,591	CON__P35	CON__P35	14
0	0	0	11	0	1230,584	sp|P40086	sp|P40086	221
3	2	0	20	0	2350,998	sp|P40215	sp|P40215	177
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
0	0	0	11	0	1263,635	sp|Q3E824	sp|Q3E824	71
0	0	0	14	1	1635,81	sp|Q3E824	sp|Q3E824	71
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
0	1	0	12	0	1342,786	sp|P32340	sp|P32340	106
1	0	0	8	0	1003,545	sp|P21801	sp|P21801	146
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
1	0	0	19	1	2211,091	CON__P13	CON__P13	344
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	1	0	12	0	1301,708	CON__P04	CON__P04	344

0	0	0	14	0	1261,59	CON__P13	CON__P13	451
0	0	0	8	1	943,5815	sp|P28241	sp|P28241	113
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	1	0	14	1	1637,853	CON__P04	CON__P04	186
0	0	0	11	0	1077,618	sp|Q0640	sp|Q0640	39
0	0	0	19	0	2117,056	sp|P0083	sp|P0083	416
0	1	0	24	1	2715,4	sp|P0083	sp|P0083	416
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	17	2	1963,949	sp|P3729	sp|P3729	164
1	0	0	11	0	1268,607	sp|P1941	sp|P1941	298
0	0	0	11	0	1324,674	sp|P0725	sp|P0725	511
0	2	0	12	0	1301,621	sp|P4712	sp|P4712	344
0	1	0	13	1	1430,777	sp|P4636	sp|P4636	295
1	1	0	10	0	1119,556	sp|P0484	sp|P0484	2
1	2	0	32	0	3240,54	sp|P0484	sp|P0484	133
0	1	0	15	0	1487,748	sp|P1662	sp|P1662	37
2	0	0	11	0	1350,609	sp|P2130	sp|P2130	39
0	2	0	12	0	1372,677	sp|P3231	sp|P3231	350
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
0	0	0	12	1	1222,594	sp|P4636	sp|P4636	154
0	2	0	22	0	2500,131	sp|Q0417	sp|Q0417	356
0	1	0	15	1	1645,9	sp|P2130	sp|P2130	24
0	1	0	12	0	1349,665	sp|P3219	sp|P3219	314
0	1	0	15	0	1437,674	sp|P3234	sp|P3234	27
1	0	0	11	1	1337,719	sp|P0725	sp|P0725	80
0	0	0	16	0	1551,735	sp|P2364	sp|P2364	296
0	1	0	13	0	1520,809	sp|P5478	sp|P5478	198
0	2	0	17	0	1897,957	sp|P0725	sp|P0725	248
0	2	0	21	0	2173,065	sp|P0806	sp|P0806	73
2	2	0	20	0	2227,977	sp|P3376	sp|P3376	266
0	2	0	11	0	1193,64	sp|P0725	sp|P0725	178
0	2	0	18	2	1793,989	sp|Q0817	sp|Q0817	63
2	1	0	8	0	972,4917	sp|Q1223	sp|Q1223	53
2	1	0	19	0	1922,927	sp|P0806	sp|P0806	54
1	0	0	10	0	1133,535	sp|P1725	sp|P1725	412
1	1	0	9	0	1125,52	sp|P1318	sp|P1318	234
0	1	0	11	0	1207,609	CON__P35	CON__P35	282
0	1	0	17	1	1866	sp|P0725	sp|P0725	112
0	1	0	12	0	1393,699	sp|P1823	sp|P1823	77
0	1	0	12	0	1285,724	sp|P0725	sp|P0725	213
0	1	0	13	1	1441,825	sp|P0725	sp|P0725	213
1	1	0	16	0	1565,732	sp|P2364	sp|P2364	220
0	1	0	11	0	1236,554	sp|P3869	sp|P3869	130
0	0	0	11	0	1243,616	sp|P1647	sp|P1647	72
0	1	0	11	0	1230,657	sp|P2130	sp|P2130	28
0	0	0	17	0	1862,901	sp|P4933	sp|P4933	129
0	1	0	13	0	1404,663	sp|P2195	sp|P2195	319
0	1	0	12	1	1319,735	sp|P2824	sp|P2824	121
1	2	0	23	0	2414,187	sp|P4021	sp|P4021	364
0	1	0	19	0	1868,937	sp|P2824	sp|P2824	349

1	0	0	15	0	1649,9	sp|Q00711	sp|Q00711	187
0	3	0	16	0	1562,878	sp|P07251	sp|P07251	128
1	2	0	16	0	1767,92	sp|P32368	sp|P32368	2
2	0	0	11	0	1295,578	sp|P47154	sp|P47154	388
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49
0	1	0	13	0	1447,767	sp|P19414	sp|P19414	409
1	0	0	10	0	1007,54	sp|Q00711	sp|Q00711	243
1	0	0	13	1	1528,691	sp|P40341	sp|P40341	140
1	1	0	11	2	1306,713	sp|Q04947	sp|Q04947	197
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	2	0	10	0	1244,667	sp|P32799	sp|P32799	114
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	21	2	2362,286	sp|P02994	sp|P02994	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
1	0	0	15	1	1850,92	CON__P35	CON__P35	322
0	0	0	9	0	1021,508	sp|P23644	sp|P23644	182
1	0	0	9	0	1080,545	sp|P0CH09	sp|P0CH09	55
0	2	0	26	0	2924,327	sp|P39704	sp|P39704	126
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	1	0	11	0	1264,63	CON__P04	CON__P04	278
0	1	0	12	1	1392,725	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	0	0	12	2	1447,731	sp|Q04013	sp|Q04013	207
0	1	0	14	0	1699,747	sp|P32891	sp|P32891	505
0	1	0	17	0	1868,894	sp|P08067	sp|P08067	122
0	1	0	25	1	2767,272	sp|P08067	sp|P08067	122
0	0	0	8	0	973,5597	sp|P32191	sp|P32191	592
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
0	1	0	19	1	1885,902	sp|P32897	sp|P32897	9
0	0	0	15	0	1535,783	sp|P25573	sp|P25573	395
0	0	0	11	0	1357,564	sp|Q04947	sp|Q04947	186
0	0	0	9	0	1094,524	sp|P40215	sp|P40215	482
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
0	1	0	10	0	1090,526	sp|Q00711	sp|Q00711	521
1	0	0	9	1	1122,542	sp|P00830	sp|P00830	224
0	1	0	12	1	1422,856	sp|P28834	sp|P28834	129
1	0	0	15	0	1626,835	sp|P32563	sp|P32563	290
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	3	0	18	0	1865,099	sp|P32368	sp|P32368	189
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197
1	2	0	16	0	1734,898	sp|P00890	sp|P00890	70
1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	7	0	893,4429	sp|P23644	sp|P23644	324
0	1	0	10	1	1230,609	sp|P53721	sp|P53721	194
0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264

0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
1	3	0	10	0	1060,592	sp|P30624	sp|P30624	2
0	2	0	8	0	841,5022	CON__P00	CON__P00	108
0	1	0	13	0	1495,724	sp|P09624	sp|P09624	474
2	2	0	19	0	2088,928	sp|P36147	sp|P36147	154
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
1	1	0	11	1	1394,672	sp|P54783	sp|P54783	482
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	1	0	8	0	895,4763	sp|P05626	sp|P05626	179
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
0	4	0	17	0	1835,927	sp|Q0153	sp|Q0153	52
0	1	0	22	0	2427,101	sp|P46367	sp|P46367	353
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
0	3	0	13	1	1287,667	sp|P19882	sp|P19882	403
1	1	0	17	0	1874,814	sp|P19414	sp|P19414	376
0	1	0	8	0	814,4337	sp|P32368	sp|P32368	142
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
1	1	0	12	0	1376,719	sp|Q0277	sp|Q0277	289
1	1	0	10	0	1244,749	sp|P14020	sp|P14020	223
0	2	0	10	0	1084,649	sp|P81449	sp|P81449	83
0	4	0	13	1	1578,848	sp|P47075	sp|P47075	74
0	3	0	15	1	1714,856	sp|P21954	sp|P21954	22
0	1	0	11	0	1126,66	sp|P32191	sp|P32191	368
1	1	0	18	0	2067,111	sp|P38694	sp|P38694	159
0	2	0	10	0	969,5607	sp|P07251	sp|P07251	68
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447
0	1	0	16	0	1864,931	sp|P43585	sp|P43585	103
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	2	0	7	0	806,4538	sp|P05626	sp|P05626	157
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	4	0	15	0	1599,851	sp|P32368	sp|P32368	40
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
1	3	0	27	0	3047,487	CON__P35	CON__P35	321
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
0	1	0	11	0	1340,571	sp|P32191	sp|P32191	621
1	1	0	8	0	919,5127	sp|P36060	sp|P36060	191
0	1	0	12	0	1287,703	sp|P00925	sp|P00925	347
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
3	3	0	12	0	1478,675	sp|P53206	sp|P53206	266
0	2	0	12	0	1320,667	sp|P21576	sp|P21576	185
0	1	0	14	0	1585,758	CON__P35	CON__P35	171
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407
0	1	0	11	0	1303,714	sp|P53173	sp|P53173	89
0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237

0	2	0	9	0	959,5036	sp|P05626	sp|P05626	123
0	1	0	7	0	801,4596	sp|P07257	sp|P07257	167
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	4	0	15	0	1614,847	sp|P36112	sp|P36112	492
1	1	0	8	0	1060,509	sp|P33421	sp|P33421	129
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	1	0	12	0	1345,636	sp|P34248	sp|P34248	235
0	2	0	17	0	1859,915	sp|P46964	sp|P46964	12
0	2	0	19	0	1792,082	sp|P17505	sp|P17505	20
0	4	0	20	0	2104,051	sp|P09624	sp|P09624	230
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
1	3	0	11	0	1166,656	sp|P00890	sp|P00890	352
0	2	0	12	0	1200,635	sp|P07560	sp|P07560	141
2	2	0	10	0	1243,597	sp|P46367	sp|P46367	330
2	2	0	16	1	2036,998	sp|P46367	sp|P46367	330
3	3	0	18	0	2054,996	sp|P81450	sp|P81450	12
0	2	0	11	0	1316,716	sp|Q96VH	sp|Q96VH	34
0	1	0	15	0	1790,815	sp|P00424	sp|P00424	38
1	1	0	8	0	1078,491	sp|Q00711	sp|Q00711	112
1	0	0	17	0	2056,001	sp|P00854	sp|P00854	68
0	0	0	10	1	1163,521	sp|P07251	sp|P07251	226
0	1	0	9	1	1129,64	sp|P08067	sp|P08067	111
2	0	0	7	0	918,4236	sp|P28241	sp|P28241	186
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165
1	0	0	13	0	1311,613	sp|P38286	sp|P38286	64
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	11	0	1314,591	sp|P25379	sp|P25379	27
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
1	1	0	8	0	992,4927	CON__P13	CON__P13	238
1	0	0	10	0	1072,446	sp|Q06405	sp|Q06405	61
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
1	3	0	15	0	1751,898	sp|P54783	sp|P54783	26
1	0	0	18	0	1888,918	sp|P14906	sp|P14906	195
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
2	1	0	14	1	1759,867	sp|P40215	sp|P40215	330

1	0	0	9	0	1066,57	sp|P32191	sp|P32191	574
1	2	0	12	0	1354,699	sp|P02994	sp|P02994	85
2	0	0	7	0	927,4814	sp|P38077	sp|P38077	284
3	0	0	9	0	1298,506	sp|P32191	sp|P32191	583
1	0	0	10	0	1066,53	sp|P49573	sp|P49573	191
1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	18	1	1891,964	sp|P46367	sp|P46367	378
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
2	0	0	11	0	1412,611	sp|P32368	sp|P32368	484

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity B
28	yes	yes	2	0,028307	62,717	1	12978000	12978000
250	yes	yes	2	0,000107	126,07	1	8800900	8800900
70	yes	yes	2	2,65E-07	145,28	1	2979200	2979200
276	yes	yes	2	8,70E-05	121,9	1	710510	710510
182	yes	yes	2	6,59E-05	90,259	1	5466800	5466800
70	yes	yes	3	0,00121	61,409	1	0	0
443	yes	yes	2	0,017175	52,93	1	6232200	6232200
454	yes	yes	2	0,024119	40,197	1	275790	275790
192	no	no	2;3	3,85E-07	120,39	2	1126800	1126800
376	yes	yes	2	1,59E-07	155	1	891180	891180
109	yes	yes	3	0,017337	45,68	1	0	0
215	yes	yes	2	0,0234	67,897	1	688350	688350
113	yes	yes	3	5,87E-05	76,533	1	0	0
108	yes	yes	2	0,014257	81,656	1	428480	428480
23	yes	yes	2;3	2,35E-13	167,92	2	2610600	2610600
91	yes	yes	3	0,011898	64,265	1	2789100	2789100
223	yes	yes	2;3	5,58E-08	134,06	3	77194000	77194000
90	yes	yes	3;4	1,76E-08	142,76	2	12799000	12799000
515	yes	yes	2	5,59E-07	136,81	1	3135000	3135000
325	yes	yes	2	0,005036	96,492	1	495080	495080
198	yes	yes	3	0,008475	42,348	1	752410	752410
451	yes	yes	2	0,008002	66,393	1	870550	870550
127	yes	yes	2	0,002327	93,162	1	666100	666100
110	yes	yes	2	0,001714	81,128	1	689170	689170
186	yes	yes	2	0,003289	118,69	1	6089500	6089500
343	yes	no	2	0,006771	91,906	1	0	0
65	yes	yes	3	0,033467	27,271	1	554860	554860
403	yes	no	3	0,006131	65,627	1	175690	175690
61	yes	yes	2;3;4	1,52E-06	118,55	3	1,07E+08	1,07E+08
248	yes	yes	2;3	0,006227	57,288	2	1858300	1858300
167	yes	yes	2;3	9,27E-06	141,91	2	3876600	3876600
694	yes	yes	2	0,008177	78,113	1	709800	709800
428	yes	yes	2	0,024282	60,167	1	811960	811960
104	yes	yes	3	0,000824	81,525	1	1223000	1223000
79	yes	yes	2	0,029677	45,598	1	0	0
119	yes	yes	2	0,013423	44,531	1	0	0
235	yes	yes	2	1,76E-05	110,84	1	0	0
264	yes	yes	2	0,026711	57,532	1	395360	395360
103	yes	yes	3	0,034028	32,53	1	432380	432380
22	yes	yes	2	0,025561	74,255	1	1595400	1595400
141	yes	yes	2	4,10E-21	220,32	1	4545100	4545100
142	yes	yes	2;3	1,48E-07	129,77	2	13551000	13551000
325	yes	yes	2	3,83E-05	118,87	1	388540	388540
65	yes	yes	2;3	0,001771	71,601	2	47409000	47409000
306	yes	yes	2	0,033434	58,981	1	358850	358850
176	yes	yes	2	0,013016	88,734	1	74517000	74517000
262	yes	yes	2	4,64E-07	128,74	1	7136800	7136800
184	yes	yes	2	4,29E-06	124,51	1	678050	678050
29	yes	yes	3	0,00632	52,019	1	899090	899090

115	yes	yes	2;3		9,43E-06	83,666	2	4396900	4396900
62	yes	yes		2	3,43E-06	128,57	1	1050900	1050900
142	yes	yes		2	0,002802	77,42	1	576960	576960
368	no	no		2	2,73E-05	136,52	1	2488600	2488600
205	yes	yes		2	8,75E-08	148,28	1	8629600	8629600
225	yes	yes		3	0,014147	46,282	1	1294100	1294100
514	yes	yes		2	0,006971	88,819	1	240720	240720
113	yes	yes		2	0,000384	92,151	1	206860	206860
198	yes	yes		2	0,000493	104,22	1	1,28E+08	1,28E+08
	yes	yes		2	0,009932	61,344	1	3089400	3089400
461	yes	yes		3	0,006828	63,076	1	1187500	1187500
334	yes	yes		3	0,015916	49,418	1	2576300	2576300
194	yes	yes		2	1,34E-08	178,99	1	37108000	37108000
502	yes	yes	3;4		5,04E-05	79,021	2	0	0
279	yes	yes	2;3		7,09E-07	104,95	2	6090500	6090500
273	yes	no		3	0,000272	61,87	1	0	0
97	yes	yes		3	0,008585	53,136	1	4774000	4774000
374	yes	yes		3	0,025547	32,702	1	944600	944600
393	yes	yes		2	0,000215	107,79	1	299440	299440
182	yes	yes		2	3,46E-22	221,59	1	52963000	52963000
117	yes	yes		2	0,000271	102,87	1	422140	422140
293	yes	yes		2	6,94E-05	89,358	1	1133800	1133800
352	yes	yes		2	0,000686	105,2	1	527460	527460
115	yes	yes	2;3		3,55E-07	123,92	2	11194000	11194000
61	yes	yes		3	0,001245	57,986	1	720920	720920
40	yes	yes		3	3,85E-07	102,89	1	0	0
615	yes	yes		2	0,002302	86,189	1	359920	359920
61	yes	yes		2	7,56E-07	131,12	1	52805000	52805000
170	yes	yes		2	8,23E-14	196,7	1	2370000	2370000
120	yes	yes		3	0,033862	28,577	1	379490	379490
53	yes	yes	2;3		0,000328	106,68	2	20198000	20198000
41	yes	yes		2	9,38E-06	138,25	1	2295700	2295700
352	yes	yes		2	1,57E-07	144,57	1	732180	732180
59	yes	yes		2	3,10E-05	121,02	1	231270	231270
368	yes	yes		3	5,30E-07	84,312	1	1440600	1440600
356	yes	yes	2;3		1,61E-13	165,9	2	3543500	3543500
502	yes	yes		2	0,017846	48,115	1	0	0
183	yes	yes		2	0,002734	82,426	1	0	0
532	yes	yes		4	0,005214	53,453	1	0	0
116	yes	yes		2	0,00627	77,597	1	381810	381810
23	yes	yes		2	0,000383	102,52	1	0	0
266	yes	yes	2;3		2,05E-10	111,56	2	0	0
129	yes	yes		2	4,19E-08	143,93	1	1422800	1422800
141	yes	yes		3	5,23E-10	108,28	1	19981000	19981000
145	yes	yes		2	0,000513	86,944	1	1813700	1813700
352	yes	yes		2	0,004114	88,177	1	0	0
302	yes	yes		2	8,65E-10	159,66	1	9418100	9418100
303	yes	yes		3	0,011958	51,135	1	6400500	6400500
296	yes	yes		2	0,000697	79,489	1	262170	262170
160	yes	yes		2	0,004193	72,681	1	230660	230660

174	yes	yes		2	1,66E-05	132,01	1	0	0
156	yes	yes	2;3		1,65E-29	226,08	2	21016000	21016000
96	yes	yes		3	2,55E-08	133,48	1	6249200	6249200
426	yes	yes	2;3		0,000628	101,38	2	2647600	2647600
42	yes	yes		2	1,88E-05	106,14	1	520860	520860
335	yes	yes		2	2,77E-07	138,2	1	4523700	4523700
76	yes	yes		3	0,023487	41,427	1	105290	105290
476	yes	yes		2	7,98E-08	157,78	1	0	0
93	yes	yes	2;3		0,000187	100,11	2	1525100	1525100
616	yes	yes		2	0,033279	54,982	1	878310	878310
274	yes	yes		2	5,67E-05	128,86	1	1406000	1406000
85	yes	yes		2	9,65E-08	132,24	1	690130	690130
79	yes	no		2	0,009763	76,1	1	1321400	1321400
278	yes	yes		2	0,000541	85,837	1	712430	712430
82	yes	yes		2	4,24E-08	122,83	1	1103500	1103500
266	yes	yes		3	0,000896	62,861	1	2452500	2452500
145	yes	yes		3	0,034325	30,205	1	783850	783850
285	yes	yes		2	0,01578	62,466	1	1556900	1556900
161	yes	yes		3	0,03305	20,949	1	314280	314280
235	yes	yes		2	0,00018	111,63	1	660170	660170
472	no	no		2	0,000838	99,568	1	0	0
302	yes	yes		2	0,02466	66,568	1	454150	454150
303	yes	yes		2	0,002061	93,649	1	650720	650720
160	yes	yes	2;3		1,75E-08	115,39	2	578990	578990
506	yes	yes		2	0,001177	86,114	1	326840	326840
620	yes	yes		2	0,000478	101,39	1	472450	472450
126	yes	yes		2	0,003689	65,374	1	283910	283910
111	yes	yes		2	9,76E-06	94,973	1	405140	405140
341	yes	yes	2;3		2,59E-15	184,34	2	1,13E+08	1,13E+08
35	yes	yes		2	0,005207	95,815	1	4629600	4629600
93	yes	yes		2	6,35E-08	139,3	1	801290	801290
393	yes	yes		2	0,012835	72,2	1	208490	208490
423	yes	yes		3	0,015679	46,069	1	1074800	1074800
179	yes	yes		2	1,54E-09	136,81	1	1759400	1759400
45	yes	yes		2	0,009116	98,418	1	14336000	14336000
31	yes	no		3	0,030638	27,028	1	787450	787450
102	yes	yes		2	0,000121	99,161	1	0	0
99	yes	yes		2	1,65E-07	148,18	1	15232000	15232000
232	yes	yes		2	0,030224	69,998	1	20328000	20328000
199	yes	yes		2	0,022801	76,774	1	4834900	4834900
83	yes	yes		3	0,011405	53,013	1	965570	965570
676	yes	yes		3	0,016476	52,716	1	266930	266930
53	yes	yes		2	0,015477	68,846	1	746360	746360
472	yes	yes		3	0,005758	45,992	1	630090	630090
251	yes	yes		2	0,008634	77,533	1	3733500	3733500
127	yes	yes		2	1,56E-09	153,49	1	3544200	3544200
54	yes	yes	2;3		0,016268	67,93	2	680910	680910
535	yes	yes		3	0,003607	60,55	1	1249800	1249800
315	yes	yes		2	0,004156	78,903	1	510020	510020
208	yes	yes		2	0,003657	116,88	1	69302000	69302000

114	yes	yes		2	0,000147	115,23	1	29336000	29336000
126	yes	yes		3	0,005621	50,404	1	852730	852730
129	yes	yes		3	0,000178	81,651	1	1837500	1837500
141	yes	yes	3;4		0,000207	68,959	2	14401000	14401000
345	yes	yes		2	0,002067	83,948	1	0	0
488	yes	yes		2	0,034816	41,689	1	0	0
400	yes	yes		2	0,0261	54,199	1	391310	391310
362	yes	yes		2	1,49E-07	126,25	1	782200	782200
247	yes	yes	2;3		2,98E-06	113,4	2	285220	285220
511	yes	yes		2	1,41E-11	158,11	1	0	0
199	yes	yes		3	0,000456	74,141	1	8529300	8529300
173	yes	yes		3	0,003363	52,498	1	1440800	1440800
510	yes	yes		2	4,17E-05	111,63	1	2447300	2447300
141	yes	yes		2	0,008515	72,187	1	228310	228310
79	yes	yes		2	0,002003	89,171	1	11826000	11826000
334	yes	yes		2	4,45E-05	91,317	1	502770	502770
38	yes	yes	2;3		1,21E-10	135,38	2	0	0
113	yes	yes		2	0,031622	60,019	1	13376000	13376000
247	yes	yes		2	4,51E-17	207,34	1	94513000	94513000
176	yes	yes	2;3		1,48E-39	281,26	2	32478000	32478000
578	yes	yes		2	0,003787	70,373	1	102770	102770
452	yes	yes		2	2,63E-38	267,39	6	65479000	65479000
156	yes	yes		3	0,008459	57,164	1	1510000	1510000
180	yes	yes		2	0,023818	51,643	1	563670	563670
156	yes	yes		2	1,20E-09	153,34	1	736380	736380
242	yes	yes		2	9,77E-18	179,14	1	1498300	1498300
182	yes	yes		2	0,024537	75,189	1	1995600	1995600
42	yes	yes	2;3		1,34E-09	107,91	2	0	0
221	yes	yes		2	0,015779	90,37	1	141040	141040
201	no	no		2	0,010628	94,662	1	406110	406110
61	yes	yes		2	3,04E-10	147,37	1	0	0
240	yes	yes	2;3		2,62E-28	254,19	2	32631000	32631000
112	yes	yes		2	1,38E-25	223,03	1	12397000	12397000
232	yes	yes		3	0,030156	38,303	1	1560200	1560200
242	yes	yes		2	1,16E-11	137,69	1	1286000	1286000
99	yes	yes	2;3		0,000344	105,1	2	5942300	5942300
105	yes	no		2	0,012109	90,986	1	272530	272530
247	yes	yes		2	3,76E-06	119,96	1	18724000	18724000
188	yes	yes		2	1,42E-21	220,97	1	1365400	1365400
211	no	no		2	1,65E-35	271,32	1	9794000	9794000
686	yes	yes		2	0,000159	113,93	1	1932600	1932600
463	yes	yes		2	0,001795	63,998	1	78361000	78361000
466	yes	yes		3	0,012823	38,756	1	577030	577030
62	yes	yes		2	3,88E-14	209,21	1	14593000	14593000
368	yes	yes		2	3,49E-07	114,52	1	5149100	5149100
11	yes	yes		2	0,001288	128,48	1	5024600	5024600
57	yes	yes		2	0,004348	113,5	1	7713600	7713600
54	yes	yes		2	0,019837	53,565	1	292360	292360
59	yes	yes		2	0,006987	63,16	1	1847200	1847200
367	yes	yes		3	0,002632	68,786	1	590560	590560

290	yes	yes		2	8,76E-10	159,44	1	1618300	1618300
307	yes	yes	2;3		3,43E-26	236,05	2	1,3E+08	1,3E+08
41	yes	yes		2	0,000138	103,97	1	3010700	3010700
213	yes	yes		2	1,24E-12	174,94	1	22391000	22391000
308	yes	yes		3	0,031642	35,295	1	4484900	4484900
196	yes	yes		3	0,003273	55,546	1	566680	566680
54	yes	yes		2	0,00105	122,19	1	2017800	2017800
132	yes	yes		2	0,000289	134,81	1	35763000	35763000
394	yes	no		2	0,009903	61,419	1	544280	544280
504	yes	yes		2	0,002386	85,355	1	1282200	1282200
294	yes	no		2	0,002347	107,59	1	23041000	23041000
482	yes	yes		3	0,007133	54,393	1	684150	684150
153	yes	yes		2	2,43E-07	145,91	1	3192400	3192400
230	yes	yes		2	1,57E-07	144,57	1	5197300	5197300
204	yes	yes		2	7,40E-06	123,95	1	13905000	13905000
34	no	no		2	3,33E-08	141,65	1	2339200	2339200
549	yes	yes		2	1,16E-07	104,72	1	783730	783730
191	yes	yes		2	0,000127	117,52	1	16027000	16027000
619	yes	yes		3	0,002335	45,077	1	735110	735110
513	yes	yes		2	0,000504	66,31	1	552170	552170
123	yes	yes		2	0,01244	79,469	1	497080	497080
624	yes	yes		3	0,000328	61,684	1	0	0
625	yes	yes		3	2,05E-06	90,581	1	0	0
182	yes	yes		2	0,010023	74,255	1	0	0
387	yes	yes		2	0,003814	70,26	1	329210	329210
410	yes	yes	2;3		1,63E-12	174,94	3	68136000	68136000
387	yes	yes	2;3		2,22E-07	115,1	2	1,54E+08	1,54E+08
35	yes	yes		2	0,005265	69,03	1	888400	888400
50	yes	yes		4	0,034131	10,365	1	449590	449590
322	yes	yes	2;3		1,41E-09	155,66	2	15463000	15463000
125	yes	yes		3	0,004505	50,891	1	1137300	1137300
165	yes	yes		2	0,004171	86,898	1	5224700	5224700
167	yes	yes	3;4		0,011456	57,175	2	19485000	19485000
126	yes	yes	2;3		0,000159	104,94	2	32044000	32044000
166	yes	yes		2	0,000146	103,76	1	15556000	15556000
175	yes	yes		3	0,019004	43,604	1	344620	344620
410	yes	yes		2	0,01083	94,163	1	1231800	1231800
260	yes	yes		2	3,90E-05	112,84	1	760420	760420
261	yes	yes		3	0,027424	35,077	1	1286300	1286300
109	yes	yes		4	0,004243	50,077	1	885970	885970
107	yes	no		2	0,005324	95,352	1	3433700	3433700
117	yes	yes	2;3		5,90E-26	199,7	2	0	0
120	yes	yes		3	0,00612	45,992	1	0	0
46	yes	yes		2	1,45E-07	123,55	1	738780	738780
215	yes	yes		2	0,007399	56,684	1	825090	825090
163	yes	yes		2	0,007956	84,916	1	20794000	20794000
195	yes	yes		2	0,000494	82,925	1	752490	752490
135	yes	yes		3	0,006189	51,092	1	0	0
448	yes	yes		3	0,027865	26,548	1	84321	84321
384	yes	yes		2	3,07E-15	181,67	1	3345100	3345100

59	yes	yes		2	1,32E-05	90,718	1	1879200	1879200
405	yes	yes		3	0,030138	13,213	1	329800	329800
115	yes	yes		3	0,013481	45,618	1	1393300	1393300
550	yes	yes		2	0,00114	62,739	1	323500	323500
270	yes	yes		2	0,031507	49,298	1	351290	351290
370	yes	yes		3	1,45E-21	159,96	1	21674000	21674000
62	yes	yes		2	0,03	49,988	1	882630	882630
149	yes	yes		2	0,000266	102,97	1	55228000	55228000
315	yes	yes	2;3		1,29E-06	91,932	2	0	0
316	yes	yes		3	7,08E-05	79,393	1	0	0
71	yes	yes	2;3		0,001306	75,018	2	1422700	1422700
55	yes	yes	2;3		2,98E-09	131,86	2	5444100	5444100
91	yes	yes		3	0,019316	27,563	1	405480	405480
67	yes	yes		2	5,92E-32	248,67	1	1,11E+08	1,11E+08
548	yes	yes		2	3,17E-09	130,47	1	1378100	1378100
412	yes	yes	2;3		0,000172	104,17	2	2170900	2170900
310	yes	yes	2;3		1,19E-12	184,36	2	1,23E+08	1,23E+08
226	yes	yes		2	5,80E-22	225,79	1	7575700	7575700
118	yes	no		4	0,018179	34,75	1	890740	890740
390	yes	yes		3	8,42E-06	101,42	1	638090	638090
285	yes	yes		2	7,84E-05	107,09	1	4195300	4195300
170	yes	yes		2	0,034745	58,23	1	348780	348780
146	yes	yes	2;3		8,24E-14	170,78	2	38096000	38096000
148	yes	yes		3	1,65E-10	145,82	1	6889100	6889100
165	yes	yes		2	0,008519	64,103	1	0	0
357	yes	yes		4	0,009076	47,606	1	972580	972580
482	yes	yes		3	0,0126	44,367	1	0	0
292	yes	yes		2	0,033517	66,993	1	1196300	1196300
24	yes	yes		3	0,006996	62,463	1	316590	316590
38	yes	yes	1;2;3		0,000229	130,75	3	47849000	47849000
215	yes	yes		2	6,89E-16	192,65	1	3744600	3744600
137	yes	yes		2	1,10E-29	228,49	1	5787600	5787600
73	yes	yes		3	0,028988	39,068	1	153900	153900
462	yes	yes		2	0,008883	98,997	1	1339300	1339300
403	no	no		2	0,003139	104,01	1	1574900	1574900
239	yes	yes	2;3		1,68E-08	110,38	2	1454600	1454600
17	yes	yes		2	4,93E-05	98,418	1	0	0
510	yes	yes		2	5,73E-26	235,73	1	1,1E+08	1,1E+08
264	yes	yes		2	0,003142	81,017	1	1606300	1606300
196	yes	yes		2	0,000902	95,523	1	1,1E+08	1,1E+08
195	yes	no		3	0,02591	37,556	1	464420	464420
88	yes	yes		3	1,70E-05	81,65	1	0	0
384	yes	yes		3	0,029201	40,384	1	467070	467070
130	yes	yes		3	0,000197	76,158	1	458220	458220
139	yes	yes		2	4,01E-13	188,48	1	1,53E+08	1,53E+08
143	yes	yes	2;3		9,70E-18	193,31	2	44291000	44291000
84	yes	yes	2;3		0,000476	88,021	2	3540600	3540600
250	yes	yes		2	0,027785	42,718	1	0	0
67	yes	yes	2;3		1,08E-11	162,64	2	1,27E+08	1,27E+08
149	yes	yes		3	0,007372	75,043	1	20881000	20881000

155	yes	yes	3;4		0,017894	45,28	2	0	0
179	yes	yes	2;3		6,28E-06	96,579	2	9140000	9140000
433	yes	yes		2	2,01E-10	176,6	1	1142600	1142600
80	yes	yes	3;4		0,015776	39,427	2	5957700	5957700
134	yes	yes		2	6,18E-06	113,52	1	288180	288180
140	yes	yes		2	0,000175	112,13	1	1129400	1129400
77	yes	yes		3	7,72E-06	85,473	1	1480900	1480900
328	yes	yes	2;3		4,17E-16	155,49	2	0	0
42	yes	no		3	0,03123	34,768	1	722050	722050
54	yes	yes		2	4,75E-08	169,65	1	21191000	21191000
15	yes	yes		2	9,88E-08	150,09	1	19110000	19110000
435	yes	yes		2	1,90E-05	106,32	1	0	0
160	yes	yes		4	0,020339	40,377	1	593480	593480
450	yes	yes	2;3		0,002906	73,9	2	1283200	1283200
307	yes	yes		3	2,11E-06	100,04	1	3028600	3028600
219	yes	yes		3	9,20E-05	75,773	1	43400000	43400000
265	yes	yes		2	3,96E-07	112,44	1	1170200	1170200
34	yes	yes		2	0,023611	76,035	1	12378000	12378000
536	yes	yes		3	0,016089	51,286	1	502640	502640
157	yes	yes		3	0,006025	67,897	1	247830	247830
34	yes	yes		2	2,80E-20	211,77	1	64969000	64969000
35	yes	yes		2	0,000236	97,203	1	1922600	1922600
249	yes	yes		2	0,00081	92,906	1	1147900	1147900
286	yes	yes		2	1,63E-07	144,28	1	34951000	34951000
150	yes	yes		2	0,007894	85,161	1	1232300	1232300
260	yes	yes	2;3		0,000116	106,4	2	7300200	7300200
134	yes	no		2	0,028509	16,144	1	0	0
131	yes	yes		2	0,033032	46,462	1	0	0
227	yes	yes	2;3		0,009744	67,252	2	1463600	1463600
250	yes	yes		2	0,001959	87,713	1	1512200	1512200
23	yes	yes	2;3		1,04E-05	98,573	2	2072900	2072900
262	yes	yes	2;3		2,59E-09	132,84	2	15461000	15461000
426	yes	yes		3	0,007489	59,155	1	581050	581050
38	yes	yes	2;3		1,51E-09	126,4	2	0	0
112	yes	yes		3	0,001466	70,68	1	958600	958600
49	yes	yes		3	0,034529	22,911	1	141100	141100
308	yes	yes		3	8,42E-05	113,66	1	7436500	7436500
471	yes	yes		3	0,003621	63,292	1	684200	684200
292	yes	yes		3	0,007478	52,93	1	817980	817980
166	yes	yes	2;3		5,91E-06	110,92	2	2110200	2110200
211	yes	yes		3	0,000496	65,105	1	887140	887140
215	yes	yes		3	0,027622	27,964	1	2889400	2889400
370	yes	yes	3;4		2,95E-11	110,78	3	69426000	69426000
265	yes	yes		3	0,002148	58,427	1	1190800	1190800
286	yes	yes		2	6,51E-12	172,58	1	5167000	5167000
310	yes	yes		3	0,026416	49,097	1	543240	543240
292	yes	yes		3	0,012132	52,247	1	0	0
171	yes	yes		3	0,033905	34,05	1	496220	496220
299	yes	yes		3	0,012929	45,873	1	1123100	1123100
246	yes	yes	2;3		1,06E-17	218,07	2	16764000	16764000

247	yes	yes		3	8,47E-06	116,74	1	1957700	1957700
86	yes	yes	2;3		2,22E-05	111,86	2	0	0
954	yes	yes		3	0,012979	34,254	1	430550	430550
172	yes	yes	3;4		4,07E-08	105,72	2	82712000	82712000
31	yes	yes		3	0,008321	62,166	1	197520	197520
132	yes	yes		3	0,000181	98,407	1	755510	755510
363	yes	yes		2	0,002005	87,216	1	1313600	1313600
123	yes	no		2	0,017028	72,879	1	603930	603930
131	yes	yes	2;3		0,000186	108,98	2	13536000	13536000
75	yes	yes		2	0,000134	115,29	1	2127800	2127800
76	yes	yes	2;3		0,001096	83,182	2	7678300	7678300
247	yes	yes		2	4,68E-05	109,39	1	722160	722160
296	yes	yes	2;3		1,35E-36	249,86	2	14953000	14953000
220	yes	yes		2	5,89E-11	175,33	1	3173300	3173300
136	yes	yes		3	3,23E-12	130,02	1	1806900	1806900
518	yes	yes		3	0,005778	59,574	1	0	0
318	yes	no		2	0,003814	70,26	1	362250	362250
324	yes	yes		2	0,003248	72,662	1	1172400	1172400
165	no	no		3	0,020064	48,794	1	876750	876750
39	yes	yes		2	1,18E-06	109,95	1	657950	657950
40	yes	yes		3	0,004781	55,724	1	581300	581300
290	yes	yes		3	2,38E-06	115,68	1	1717700	1717700
267	yes	yes		3	0,01596	42,947	1	0	0
403	yes	yes		3	0,00167	75,566	1	1328800	1328800
95	yes	yes		2	5,83E-08	151,26	1	36704000	36704000
108	yes	yes		3	2,19E-18	160,02	1	16111000	16111000
450	yes	no		2	2,65E-05	136,96	1	1460200	1460200
181	yes	yes	2;3		1,34E-05	136,96	2	27143000	27143000
163	yes	yes		2	2,50E-05	109,6	1	997520	997520
43	yes	yes		2	0,000855	94,363	1	0	0
35	yes	yes		2	0,000346	90,149	1	0	0
85	yes	yes		2	6,79E-07	133,32	1	432190	432190
326	yes	yes		3	0,000589	76,311	1	949710	949710
46	yes	yes	2;3		2,44E-30	226,88	2	64391000	64391000
435	yes	yes		2	1,96E-05	160,69	1	91364000	91364000
84	yes	yes		2	0,006353	77,744	1	470910	470910
136	yes	yes		2	9,62E-08	132,31	1	442000	442000
402	yes	yes		2	0,020912	70,525	1	228010	228010
458	yes	no		2	0,000113	103,11	1	1078600	1078600
206	yes	yes		2	4,94E-08	124,34	1	0	0
77	yes	yes		3	2,92E-12	142,55	1	1574100	1574100
359	yes	yes		2	0,021662	63,306	1	0	0
82	yes	yes	2;3		9,15E-08	133,32	2	31174000	31174000
84	yes	yes	3;4		1,04E-06	123,76	2	21577000	21577000
61	yes	yes		3	2,48E-06	89,011	1	0	0
216	yes	yes		2	0,018779	64,654	1	1189600	1189600
240	yes	yes		2	0,00234	85,813	1	442940	442940
425	yes	yes		4	0,025268	29,422	1	377300	377300
260	yes	no		2	0,011891	47,971	1	0	0
501	yes	yes		2	9,71E-05	106,67	1	3553900	3553900

258	yes	yes		3	0,021444	47,187	1	323880	323880
380	yes	yes		2	0,017448	60,641	1	153230	153230
336	yes	yes		2	0,000292	95,854	1	390860	390860
264	yes	yes	2;3		0,011132	69,864	2	843160	843160
475	yes	yes	2;3		4,49E-05	132,25	2	1,43E+08	1,43E+08
344	yes	yes		3	0,007526	46,569	1	748530	748530
245	yes	yes	2;3		9,31E-05	108,31	2	3804600	3804600
120	yes	yes		2	0,00549	81,525	1	466320	466320
189	yes	yes		2	0,026971	51,346	1	0	0
406	yes	yes	2;3		1,87E-17	178,22	3	1,59E+08	1,59E+08
243	yes	yes		2	0,005842	61,657	1	294610	294610
323	yes	yes		3	2,01E-05	82,609	1	2478900	2478900
59	yes	yes		2	1,04E-22	238,86	1	0	0
415	yes	yes		2	7,15E-06	114,21	1	0	0
84	yes	yes		3	6,02E-27	200,19	1	20373000	20373000
213	yes	yes		2	2,85E-07	152,69	1	1747500	1747500
64	yes	yes		3	0,007685	60,691	1	1278400	1278400
55	yes	yes	2;3		4,06E-10	145,17	2	2705900	2705900
148	yes	yes		3	0,013455	58,596	1	523210	523210
132	yes	yes		3	0,002155	74,611	1	567160	567160
71	yes	yes		2	0,002504	91,867	1	1373800	1373800
253	yes	yes		2	0,001378	118,5	1	974840	974840
93	yes	yes		2	0,000359	74,776	1	0	0
158	yes	yes		2	0,006096	80,755	1	881670	881670
57	yes	yes		3	0,000197	62,589	1	2864000	2864000
397	yes	yes	2;3		2,19E-10	116,94	2	4034800	4034800
574	yes	yes		3	0,000452	84,479	1	717830	717830
85	yes	yes		2	0,024625	75,109	1	1607800	1607800
102	yes	yes		3	0,020529	47,894	1	264480	264480
192	yes	no		3	0,029573	37,717	1	650270	650270
172	yes	yes	3;4;5		1,21E-11	129,27	3	57188000	57188000
335	yes	yes		3	9,76E-05	90,707	1	533240	533240
417	no	no		3	0,001859	82,261	1	428750	428750
53	yes	yes		3	0,002891	90,601	1	391470	391470
274	yes	yes		2	0,002128	124,37	1	6611500	6611500
120	yes	yes		2	0,000105	105,95	1	256180	256180
402	yes	yes		2	0,000308	114,89	1	4781100	4781100
141	yes	yes		3	0,002507	63,966	1	2751600	2751600
144	yes	yes		3	0,025811	36,417	1	423040	423040
168	yes	yes		2	0,032806	68,383	1	9470600	9470600
408	yes	yes		2	0,001919	112,41	1	3872200	3872200
409	yes	yes	2;3		0,000301	113,62	2	4088100	4088100
107	yes	yes		2	0,015966	62,166	1	2702100	2702100
365	yes	yes		2	8,78E-16	179,67	1	0	0
560	yes	yes		2	0,029279	61,691	1	127620	127620
408	yes	yes		2	0,010638	57,434	1	0	0
201	yes	yes		2	0,020235	79,116	1	370690	370690
340	yes	yes		2	3,89E-07	141,71	1	2053200	2053200
93	yes	yes	2;3		5,90E-40	276,75	5	2,1E+08	2,1E+08
159	yes	yes		2	1,95E-09	132,51	1	9599700	9599700

401	yes	yes		2	0,000494	82,925	1	1324300	1324300
239	yes	yes		2	0,012039	62,466	1	341800	341800
447	yes	yes	2;3		3,42E-10	128,8	2	0	0
246	yes	yes		2	1,61E-10	174,41	1	18386000	18386000
247	yes	yes		3	0,00052	83,883	1	933230	933230
84	yes	yes		3	0,018816	46,001	1	361390	361390
109	yes	yes		2	7,69E-06	127,87	1	954630	954630
61	yes	yes		2	0,005487	79,148	1	1156000	1156000
86	yes	yes		2	3,26E-06	144,17	1	0	0
163	yes	yes		3	0,000858	58,93	1	0	0
264	yes	no		2	0,01218	48,284	1	0	0
19	yes	yes		3	0,000552	63,998	1	0	0
13	yes	yes		2	0,031608	51,286	1	0	0
46	yes	yes		2	0,025819	52,49	1	0	0
518	yes	yes		3	0,004505	44,304	1	0	0
530	yes	yes		2	8,40E-05	105,19	1	0	0
283	yes	yes		2	0,000937	115,71	1	0	0
153	no	no		2	2,52E-20	207,31	1	2542700	2542700
120	yes	yes		2	0,015082	76,679	1	354410	354410
344	yes	yes	2;3		6,40E-16	169,85	2	9547900	9547900
347	yes	yes		3	0,008117	43,164	1	999020	999020
395	yes	yes		2	9,78E-08	147,73	1	1429200	1429200
108	yes	yes		2	5,50E-20	202,13	1	29405000	29405000
466	yes	yes		2	0,031085	46,68	1	558680	558680
61	yes	yes		2	0,013425	71,451	1	420320	420320
83	yes	yes		2	1,00E-08	152,4	1	1840900	1840900
143	yes	yes		2	0,000676	102,4	1	405380	405380
190	yes	yes		2	4,05E-06	90,397	1	505720	505720
19	yes	yes		2	6,83E-06	157,68	1	15157000	15157000
598	yes	yes		2	0,030859	49,595	1	662660	662660
86	yes	yes		2	0,022921	66,299	1	339300	339300
277	no	no		3	0,001098	88,134	1	3790400	3790400
358	yes	yes		2	0,020825	59,908	1	0	0
107	yes	yes		2	1,31E-09	164,04	1	25710000	25710000
359	no	no		2	7,28E-07	129,76	1	962140	962140
144	yes	yes	2;3		1,90E-08	139	2	2258500	2258500
104	yes	yes		2	2,55E-39	274,45	1	82780000	82780000
438	yes	yes		3	0,027314	33,751	1	2623000	2623000
369	yes	yes		3	0,015584	44,511	1	486640	486640
244	yes	yes		3	0,019805	41,577	1	802880	802880
289	yes	yes		2	0,002474	84,479	1	959610	959610
239	yes	yes		3	0,021132	43,604	1	14581000	14581000
240	yes	yes		3	0,002139	69,03	1	4633500	4633500
145	yes	yes	2;3		4,82E-11	145,88	2	0	0
267	yes	yes		2	5,37E-05	109,39	1	0	0
214	yes	yes		2	0,001893	96,342	1	496640	496640
311	yes	yes		2	0,001298	78,508	1	625760	625760
533	yes	yes		2	9,07E-07	114,56	1	658740	658740
45	yes	yes		3	0,000406	87,641	1	630760	630760
59	yes	yes	2;3		1,97E-48	309,26	2	24630000	24630000

140	yes	yes	2;3		0,001638	55,158	2	0	0
471	yes	yes		2	0,002171	94,309	1	1436000	1436000
110	yes	yes		2	0,000253	137,13	1	784650	784650
77	yes	yes	2;3		1,78E-25	223,36	2	34930000	34930000
138	yes	yes		2	1,31E-05	120,03	1	0	0
468	yes	yes	2;3		6,95E-05	109,72	2	1277500	1277500
322	yes	yes		3	2,79E-07	91,416	1	0	0
349	yes	yes	2;3		1,69E-12	173,71	2	0	0
25	yes	yes		2	0,007043	73,273	1	606580	606580
164	yes	yes		2	0,00118	62,002	1	2072400	2072400
411	yes	yes		2	0,01579	49,59	1	0	0
42	yes	no		2	7,34E-05	108,56	1	947200	947200
224	yes	yes		3	0,009774	38,161	1	688090	688090
410	yes	yes		2	7,54E-07	131,17	1	3574100	3574100
141	yes	yes		2	2,60E-08	151,55	1	2697300	2697300
267	yes	yes		2	3,33E-06	121,13	1	1832700	1832700
79	yes	yes		3	0,021307	39,394	1	999150	999150
172	yes	yes		3	0,006638	57,39	1	0	0
166	yes	yes		2	2,62E-08	128,82	1	0	0
10	yes	yes		2	0,000293	115,7	1	10203000	10203000
15	yes	yes		2	0,000457	89,232	1	576640	576640
83	yes	yes		2	0,000459	89,136	1	339060	339060
267	yes	yes		3	0,022424	28,325	1	1155800	1155800
336	yes	yes		2	0,033279	54,982	1	1212600	1212600
169	yes	yes		2	0,003869	81,771	1	2811300	2811300
170	yes	yes	2;3		0,001426	86,344	2	7054000	7054000
42	yes	yes		3	2,92E-06	92,671	1	883150	883150
261	yes	yes		2	0,003623	80,014	1	1323800	1323800
90	yes	yes		3	0,007711	39,823	1	403510	403510
490	yes	yes		2	2,35E-36	246,75	1	1874500	1874500
178	yes	yes		2	0,008177	78,113	1	653130	653130
432	yes	yes		2	2,91E-08	131,61	1	583140	583140
186	yes	yes		3	0,024788	43,651	1	4634600	4634600
276	yes	yes		2	0,000485	88,108	1	9003100	9003100
154	yes	yes		2	0,020912	70,525	1	944270	944270
60	yes	yes	2;3		1,04E-10	150,91	2	43642000	43642000
267	yes	yes	2;3		5,05E-32	244,27	2	82299000	82299000
116	yes	yes		3	0,018789	46,001	1	640040	640040
98	yes	yes		2	2,85E-19	224,75	1	28569000	28569000
52	yes	yes		2	0,006353	77,744	1	1589100	1589100
61	yes	yes		2	0,011744	58,814	1	1519000	1519000
36	yes	yes		2	0,011895	55,335	1	0	0
96	yes	yes		2	0,00114	66,893	1	415430	415430
97	yes	yes		3	0,027529	26,837	1	448240	448240
68	yes	yes		2	4,69E-07	121,99	1	1609000	1609000
1011	yes	no		4	0,033364	1,5979	1	145030	145030
77	yes	yes		3	0,009902	50,077	1	4108700	4108700
257	no	no	2;3		0,00661	68,355	2	1396600	1396600
83	yes	yes		4	0,029238	30,536	1	1477600	1477600
84	yes	yes	2;3		1,13E-30	230,48	2	28621000	28621000

89	yes	yes		2	0,003275	67,646	1	363800	363800
437	yes	yes		2	0,002097	94,85	1	945040	945040
271	yes	yes		2	0,007157	67,93	1	0	0
396	yes	yes		2	6,27E-06	101,08	1	0	0
159	yes	yes	2;3		5,79E-20	201,09	2	32565000	32565000
223	yes	yes		2	0,016168	57,267	1	315560	315560
11	yes	yes		2	0,022137	66,962	1	6548200	6548200
570	yes	yes		4	0,005073	54,292	1	2236600	2236600
146	yes	yes	3;4		4,82E-08	126,91	2	16392000	16392000
38	yes	yes	2;3		6,86E-05	112,3	2	42680000	42680000
71	yes	yes	2;3		0,002106	86,114	2	4367500	4367500
287	yes	yes		3	0,034796	17,784	1	249930	249930
97	yes	yes		3	0,0343	23,956	1	266550	266550
317	yes	yes		2	0,034192	50,786	1	516060	516060
60	yes	yes	3;4		1,53E-08	123,42	2	14187000	14187000
73	yes	yes		3	0,007502	64,711	1	1042300	1042300
196	yes	yes		4	0,006883	43,81	1	1051900	1051900
307	yes	yes		3	0,021794	42,958	1	249510	249510
264	yes	yes		3	1,31E-07	113,81	1	0	0
188	yes	yes		3	0,006656	58,098	1	85119000	85119000
143	yes	yes	2;3		4,86E-10	140,03	2	10426000	10426000
463	yes	yes		3	3,42E-07	85,376	1	0	0
152	yes	yes		2	3,14E-07	136,24	1	14307000	14307000
27	yes	yes		2	0,007988	54,768	1	0	0
137	yes	yes		3	0,025729	36,381	1	161490	161490
160	yes	yes		2	0,000869	78,228	1	531500	531500
545	yes	yes		2	1,45E-10	182,76	1	21317000	21317000
124	yes	yes	2;3		2,94E-23	213,94	2	1,34E+08	1,34E+08
314	yes	yes		2	0,027597	53,567	1	160620	160620
191	yes	yes		2	6,52E-05	128,38	1	45589000	45589000
457	yes	yes		2	0,011802	62,546	1	0	0
551	yes	yes		2	0,001661	98,048	1	2062600	2062600
172	yes	yes		2	0,001026	77,068	1	224140	224140
370	yes	no	2;3		0,006811	86,833	2	2034000	2034000
232	yes	yes		3	0,000831	67,685	1	522130	522130
523	yes	yes		2	1,42E-09	135,47	1	0	0
13	yes	yes		2	0,030471	56,432	1	426640	426640
29	yes	yes		2	0,002879	63,462	1	1946300	1946300
231	yes	yes		2	2,67E-06	129,34	1	1233300	1233300
196	yes	yes		3	0,004691	52,814	1	847160	847160
375	yes	yes		3	0,000201	71,969	1	835130	835130
81	yes	yes		2	0,000814	96,745	1	921200	921200
84	yes	yes	2;3		0,003437	75,316	2	1609300	1609300
153	yes	yes	2;3		0,002282	76,759	2	2480800	2480800
117	yes	yes		2	0,002068	81,92	1	480080	480080
153	yes	yes		2	0,004921	96,948	1	4742600	4742600
376	yes	yes		2	1,21E-09	158,52	1	1161800	1161800
362	yes	yes		3	0,001279	60,09	1	1003800	1003800
128	yes	yes		2	1,33E-40	289,86	1	15704000	15704000
355	no	no		2	8,43E-13	177,1	1	2780200	2780200

464	yes	yes		2	3,11E-08	142,39	1	1616200	1616200
120	yes	yes		2	0,010691	80,219	1	663480	663480
197	no	no		2	0,000514	98,368	1	3005500	3005500
199	no	no		3	0,019907	51,135	1	0	0
49	yes	yes		2	0,008802	69,216	1	66738000	66738000
434	yes	yes	2;3		2,44E-08	122,83	2	0	0
439	yes	yes	2;3		5,37E-10	112,37	2	0	0
74	yes	yes		2	0,003013	88,134	1	1012000	1012000
180	yes	yes		3	0,000559	74,89	1	662180	662180
308	yes	yes		2	2,18E-05	119,03	1	0	0
521	yes	yes	2;3		1,80E-12	176,87	2	1,51E+08	1,51E+08
355	yes	yes		2	0,006364	70,68	1	392900	392900
307	yes	yes	2;3		1,87E-11	154,23	2	4076100	4076100
11	yes	yes		2	1,33E-07	158,47	1	1,53E+08	1,53E+08
164	yes	yes		3	2,79E-20	153,12	2	0	0
51	yes	yes		2	0,0007	71,286	1	0	0
49	yes	yes		2	5,78E-13	191,79	1	14174000	14174000
361	yes	yes		2	0,002236	77,185	1	0	0
334	yes	yes	2;3		5,72E-05	105,2	2	6061900	6061900
165	yes	yes		3	0,019337	46,796	1	828190	828190
377	yes	yes		3	0,018041	30,779	1	505410	505410
38	yes	yes		2	0,000227	94,339	1	951530	951530
325	yes	yes		2	0,003224	72,705	1	0	0
41	yes	yes		2	0,001933	75,018	1	825410	825410
90	yes	yes		2	0,002228	84,479	1	3252500	3252500
311	yes	yes		2	4,91E-13	164,64	1	7722000	7722000
210	yes	yes		2	0,000423	96,371	1	751390	751390
264	yes	yes	2;3		3,74E-13	153,92	2	0	0
93	yes	yes	2;3		0,003152	52,432	2	0	0
285	yes	yes	3;4		0,017423	33,707	2	1173900	1173900
188	yes	yes	2;3		0,004694	69,672	2	96047000	96047000
80	yes	yes		3	0,003717	57,936	1	783330	783330
60	yes	yes		2	0,002338	107,69	1	9047600	9047600
72	yes	yes		2	0,000369	63,302	1	0	0
421	yes	yes		2	0,008972	73,499	1	521320	521320
242	yes	yes		2	2,72E-05	136,57	1	777010	777010
292	yes	yes		2	0,014494	60,255	1	479790	479790
128	yes	yes	3;4		3,84E-05	83,751	2	27622000	27622000
88	yes	yes		2	1,62E-06	129,37	1	27901000	27901000
224	yes	yes		2	1,02E-22	237,67	1	1,25E+08	1,25E+08
225	yes	yes	2;3		1,54E-20	215,77	2	2317500	2317500
235	yes	yes		2	4,12E-07	122,96	1	1922700	1922700
140	yes	yes		2	0,017736	53,567	1	0	0
82	yes	yes		2	0,008076	70,728	1	207540	207540
38	yes	yes		2	1,24E-17	219,92	1	14823000	14823000
145	yes	yes		2	1,73E-09	134,83	1	657060	657060
331	no	no		3	0,025342	37,327	1	0	0
132	yes	yes	2;3		3,31E-05	118,9	2	1469800	1469800
386	yes	yes	2;3		1,59E-09	110,6	2	1677600	1677600
367	yes	yes		2	1,09E-18	188,71	1	2739500	2739500

201	yes	yes		4	0,013739	37,613	1	462540	462540
143	yes	yes		2	4,01E-24	220,72	1	1,91E+08	1,91E+08
17	yes	yes		2	7,80E-05	87,138	1	618310	618310
398	yes	yes		2	0,001354	89,266	1	185420	185420
105	yes	yes		2	8,46E-08	145,14	2	0	0
229	yes	yes		2	0,008725	73,9	1	32262000	32262000
240	yes	yes	2;3		1,02E-11	138,28	2	26819000	26819000
66	yes	yes	2;3		3,20E-14	173,87	2	2885900	2885900
421	yes	yes		2	0,000575	92,295	1	1735400	1735400
252	yes	yes		2	9,06E-05	121,5	1	3031700	3031700
152	yes	yes		3	0,014302	50,286	1	169070	169070
207	yes	yes		3	0,018329	68,676	1	839400	839400
215	yes	yes		2	7,15E-26	225,23	1	0	0
123	yes	yes		2	0,000201	109,29	1	617940	617940
233	yes	yes		2	0,000114	125,68	1	1019900	1019900
245	yes	yes		3	0,004934	54,253	1	1182000	1182000
492	no	no		2	0,00117	101,65	1	2000500	2000500
336	yes	yes		3	0,007143	54,402	1	0	0
190	yes	yes		2	0,020505	62,463	1	1980500	1980500
63	yes	no		2	0,003323	85,862	1	1388100	1388100
151	yes	yes		3	0,033173	18,798	1	0	0
126	yes	yes		2	7,92E-17	198,37	1	4396200	4396200
288	yes	yes		2	0,001143	92,19	1	644530	644530
289	yes	yes	2;3		0,001468	77,597	2	4028300	4028300
118	yes	yes		2	1,50E-17	182,28	1	11199000	11199000
218	yes	yes		3	0,00417	66,393	1	1446900	1446900
518	yes	yes		3	0,024381	34,92	1	608910	608910
138	yes	yes		3	0,000689	61,962	1	0	0
146	yes	yes		3	0,005582	46,558	1	0	0
599	yes	yes		2	8,49E-09	186,3	1	770980	770980
44	yes	yes		2	1,83E-05	142	1	1864000	1864000
206	yes	yes		2	0,001946	112,11	1	1119400	1119400
27	yes	yes		3	0,021394	34,586	1	518950	518950
409	yes	yes		2	0,001062	79,804	1	352110	352110
196	yes	yes		2	0,000128	104,94	1	0	0
490	yes	yes		2	0,00549	81,525	1	491790	491790
494	yes	yes	3;4		0,024289	40,516	2	3498200	3498200
530	yes	yes		2	0,028589	55,721	1	1101700	1101700
232	yes	yes		3	0,019	50,034	1	10067000	10067000
140	yes	yes		2	0,012926	61,532	1	409130	409130
304	yes	yes		2	1,35E-05	106,55	1	1177700	1177700
150	yes	yes		2	0,000902	91,202	1	2513100	2513100
206	yes	yes		2	2,35E-06	105,89	1	196800	196800
200	yes	yes		2	4,49E-07	153,97	1	18529000	18529000
209	yes	yes		2	7,75E-48	296,28	1	69620000	69620000
85	yes	yes	2;3		4,88E-05	85,469	2	0	0
20	yes	yes	2;3		9,92E-05	97,779	2	0	0
330	yes	yes		2	0,034135	66,429	1	775110	775110
203	yes	yes		3	0,028516	39,937	1	535960	535960
274	yes	yes		2	0,009443	67,879	1	4485600	4485600

262	yes	yes	2;3		1,58E-21	218,16	2	0	0
11	yes	yes		2	0,002502	84,198	1	1331300	1331300
115	yes	yes		2	0,033434	58,981	2	563340	563340
486	yes	yes		3	0,002149	67,252	1	451530	451530
172	yes	yes		2	0,001055	68,189	1	960570	960570
320	yes	yes		2	8,73E-10	159,5	1	620270	620270
492	yes	yes		3	0,00475	62,466	1	858200	858200
246	yes	yes	2;3		0,002053	81,632	2	6505400	6505400
186	yes	yes		2	0,006522	90,601	1	1333400	1333400
105	yes	yes		2	1,63E-07	144,28	1	3839200	3839200
97	yes	yes	2;3		7,54E-16	156,83	3	56642000	56642000
68	yes	no		2	7,84E-18	190,18	1	894770	894770
374	yes	yes	2;3		4,54E-21	181,64	2	0	0
414	yes	yes		2	0,000425	100,02	1	2451000	2451000
415	yes	yes	2;3		9,20E-06	110,98	2	1759000	1759000
392	yes	yes		2	3,82E-06	104,88	1	0	0
149	yes	yes		2	0,027642	63,419	1	303530	303530
262	yes	yes		2	0,001692	76,341	1	1407800	1407800
219	yes	yes		3	0,000828	73,386	1	558100	558100
157	yes	yes	2;3		6,73E-05	123,35	2	4150200	4150200
300	yes	yes		2	0,00024	103,44	1	973750	973750
232	yes	yes		2	0,01325	66,568	1	146840	146840
92	yes	yes		2	1,34E-05	131,82	1	1381300	1381300
86	yes	yes		3	0,032022	34,183	1	388630	388630
36	yes	yes		3	0,001552	64,04	1	0	0
378	yes	yes		2	5,10E-05	110,84	1	0	0
176	yes	yes		3	0,00052	68,481	1	404490	404490
77	yes	yes		2	0,018522	60,167	1	1,63E+08	1,63E+08
266	yes	yes		2	4,49E-07	153,97	1	1621100	1621100
459	yes	yes		2	4,66E-26	237,41	1	3670700	3670700
118	yes	yes		4	0,031636	13,171	1	279710	279710
179	yes	yes	3;4		3,56E-12	140,3	2	13695000	13695000
249	yes	yes	2;3		1,05E-12	140,63	2	0	0
163	yes	yes		2	0,025561	74,255	1	20289000	20289000
176	yes	yes	2;3		2,50E-15	158,02	2	11647000	11647000
54	yes	yes		2	0,000282	85,976	1	556160	556160
242	yes	yes	2;3		4,88E-12	154,72	2	34589000	34589000
347	yes	yes		3	5,17E-05	76,744	1	0	0
367	yes	yes		2	0,0027	80,455	1	0	0
631	yes	yes		2	0,020934	51,286	1	0	0
198	yes	yes		2	0,007881	85,212	1	593170	593170
358	yes	no		2	0,003665	77,74	1	233620	233620
172	yes	yes		2	0,001016	99,013	1	572800	572800
277	yes	yes		2	0,021493	49,483	1	0	0
196	yes	yes		2	0,001272	84,352	1	208330	208330
184	yes	yes		2	1,54E-11	164,7	1	992670	992670
415	yes	yes		2	5,41E-10	176,6	1	1,23E+08	1,23E+08
99	yes	yes		2	1,01E-05	127,17	1	431890	431890
223	yes	yes		2	0,000354	112,3	1	25357000	25357000
248	yes	yes		2	2,82E-22	225,15	1	86560000	86560000

131	yes	yes		2	2,49E-11	197,79	1	66876000	66876000
173	yes	yes		2	0,028711	71,379	1	1245600	1245600
178	yes	yes	2;3		3,39E-07	139,19	2	12878000	12878000
182	yes	yes		3	2,92E-05	92,8	1	3288800	3288800
506	yes	yes		2	0,001346	78,244	1	752100	752100
136	yes	yes		2	0,030312	45,68	1	0	0
310	yes	yes	2;3		5,14E-10	121,46	2	0	0
246	yes	yes		2	0,000816	92,781	1	738450	738450
28	yes	yes		2	2,42E-05	98,573	1	487150	487150
38	yes	yes		2	0,000809	71,929	1	302380	302380
249	yes	yes		2	0,009373	50,226	1	0	0
155	yes	yes		2	8,75E-06	120,84	2	91455000	91455000
163	yes	yes	2;3		7,17E-49	277,07	2	14782000	14782000
182	yes	yes		2	0,000122	118,03	1	1,17E+08	1,17E+08
362	yes	yes		3	0,026899	36,585	1	1970100	1970100
152	yes	yes		2	0,009375	62,799	1	351830	351830
339	yes	yes		2	0,002142	87,789	1	662620	662620
345	yes	yes	2;3		3,95E-05	84,41	2	1384500	1384500
29	yes	yes		2	1,92E-05	88,385	1	0	0
44	yes	yes		2	0,000781	89,266	1	0	0
52	yes	yes		2	8,39E-05	96,435	1	0	0
119	yes	yes		2	0,026971	51,346	1	0	0
84	yes	yes	2;3		7,86E-24	210,2	4	0	0
235	yes	yes		3	0,03208	44,425	1	17582	17582
119	yes	yes		3	0,011963	58,23	1	5192400	5192400
192	yes	yes		2	0,028752	71,342	1	2767800	2767800
75	yes	yes		2	0,002774	89,886	1	4720400	4720400
76	yes	yes	2;3		1,08E-07	160,36	2	5502200	5502200
174	yes	yes		2	4,42E-09	174,86	2	302140	302140
76	yes	yes		2	0,003842	73,877	1	357910	357910
273	yes	yes		2	0,000279	116,52	1	12321000	12321000
274	yes	yes	2;3		0,000159	112,3	2	14595000	14595000
502	yes	yes	2;3		9,77E-16	153,14	2	0	0
140	yes	yes		2	1,00E-08	152,4	1	14042000	14042000
37	yes	yes		2	7,31E-07	131,83	1	318850	318850
386	yes	yes		2	5,69E-06	144,1	1	3767800	3767800
245	yes	yes		2	0,004089	100,25	1	321960	321960
70	yes	yes		2	0,014046	65,278	1	665870	665870
108	no	no		2	4,52E-05	110,08	1	23424000	23424000
110	no	no	2;3		0,000744	84,753	2	3794600	3794600
40	yes	yes		2	0,001265	78,69	1	1000700	1000700
212	yes	yes		4	0,016682	30,575	1	676310	676310
249	yes	yes		2	0,000929	66,702	1	1533800	1533800
113	yes	yes		2	0,025274	74,517	1	40216000	40216000
119	yes	yes	2;3		6,46E-11	153,32	2	17131000	17131000
279	yes	yes		3	0,001777	76,843	1	491940	491940
280	yes	yes		3	0,003621	63,292	1	1183300	1183300
175	yes	yes		2	0,00232	107,9	1	248540	248540
234	yes	yes		2	0,011334	69,672	1	1,3E+08	1,3E+08
343	yes	yes		3	0,008405	55,04	1	448530	448530

582	yes	yes	2	0,003058	78,264	1	0	0
96	yes	yes	3	5,73E-05	105,03	1	1270500	1270500
290	yes	yes	2	0,001288	128,48	1	33364000	33364000
591	yes	yes	2	0,001304	93,649	1	0	0
200	yes	yes	2	0,017448	60,641	1	758420	758420
128	yes	yes	2	2,59E-08	137,73	1	0	0
53	yes	yes	2	4,28E-05	91,932	1	3436100	3436100
395	yes	yes	3	0,000435	73,252	1	1874600	1874600
78	yes	yes	2	0,000258	89,624	1	0	0
494	yes	yes	2	0,000478	101,39	1	538910	538910

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (
		0	36	0	0	0;1	1	
		1	30	1	1	2	2	
		2	80	2	2	3	3	
		3	72	3	3	4	4	
		4	26	4	4	5;6	5	
		5	133	5	5	7	7	119
		6	49	6	6	8	8	
		7	40	7	7	9	9	
		8	147;124	8	8;9	10;11	10	
	+	9	1	9	10	12	12	
		10	52	10	11	13	13	64
		11	43	11	12	14	14	
		12	57	12	13	15	15	73
		13	114	13	14	16	16	
		14	51	14	15;16	17;18	17	
		15	35	15	17	19;20	19	
		16	14	16	18;19;20	21;22;23;2	24	
		17	9	17	21;22	26;27	27	
		18	107	18	23	28	28	
		19	74	19	24	29	29	
		20	65	20	25	30	30	
		21	16	21	26	31	31	
		22	11	22	27	32	32	
		23	34	23	28	33	33	
		24	15	24	29	34	34	
		25	130	25	30	35	35	112
		26	24	26	31	36	36	
		27	21	27	32	37	37	
		28	23	28	33;34;35	38;39;40	40	
		29	23	29	36;37	41;42	42	
		30	27	30	38;39	43;44	44	
		31	110	31	40	45	45	
		32	28	32	41	46	46	
		33	8	33	42	47	47	
		34	147	34	43	48	48	127
		35	46	35	44	49	49	47
		36	54	36	45	50	50	65;66
		37	86	37	46	51	51	
		38	27	38	47	52	52	
		39	148	39	48	53	53	
		40	30	40	49	54	54	
		41	30	41	50;51	55;56	56	
		42	16	42	52	57	57	
		43	24	43	53;54	58;59	58	
		44	49	44	55	60	60	
		45	28	45	56	61	61	
		46	56	46	57	62;63	62	
		47	97	47	58	64	64	
		48	124	48	59	65	65	

		49	9	49	60;61	66;67;68	68	
		50	141	50	62	69	69	
		51	68	51	63	70	70	
	+	52	4	52	64	71	71	
		53	56	53	65	72	72	
		54	68	54	66	73	73	
		55	44	55	67	74	74	
		56	105	56	68	75	75	
		57	28	57	69	76	76	
+	+	58	6	58	70	77	77	
		59	16	59	71	78	78	
		60	63	60	72	79;80	80	
		61	24	61	73	81	81	
		62	14	62	74;75	82;83	82	12
		63	30	63	76;77	84;85;86	84	
		64	130	64	78	87	87	113
		65	149	65	79	88	88	
		66	126	66	80	89	89	
		67	67	67	81	90	90	
		68	91	68	82	91	91	
		69	45	69	83	92	92	
		70	14	70	84	93	93	
		71	74	71	85	94	94	
		72	30	72	86;87	95;96	95	
		73	127	73	88	97;98	97	
		74	23	74	89	99	99	
		75	99	75	90	100	100	
		76	23	76	91	101;102	101	
		77	54	77	92	103	103	
		78	38	78	93	104	104	
		79	31	79	94;95	105;106	105	
		80	20	80	96	107	107	
		81	67	81	97	108	108	
		82	42	82	98	109	109	
	+	83	3	83	99	110;111	110	
		84	63	84	100;101	112;113	112	
		85	61	85	102	114	114	75
		86	39	86	103	115	115	
		87	48	87	104	116	116	55
		88	125	88	105	117	117	
		89	135	89	106	118	118	121
		90	91	90	107;108	119;120	119	91;92
		91	66	91	109	121	121	
		92	66	92	110	122;123;1	122	
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		94	68	94	112	127	127	79
		95	31	95	113	128	128	
		96	31	96	114	129	129	
		97	85	97	115	130;131	130	
		98	101	98	116	132	132	

	99	66	99	117	133	133	77
	100	24	100	118;119	134;135;13	135	
	101	36	101	120	137	137	
	102	49	102	121;122	138;139	139	
	103	74	103	123	140	140	
	104	30	104	124	141	141	
	105	127	105	125	142	142	
	106	126	106	126	143	143	110
	107	76	107	127;128	144;145	144	
	108	130	108	129	146	146	
	109	68	109	130	147	147	
	110	57	110	131	148	148	
	111	10	111	132	149	149	
	112	45	112	133	150	150	
	113	128	113	134	151;152	151	
	114	26	114	135	153	153	
	115	132	115	136	154	154	
	116	63	116	137	155	155	
	117	81	117	138	156	156	
	118	64	118	139	157	157	
+	119	1	119	140	158	158	0
	120	107	120	141	159	159	
	121	107	121	142	160	160	
	122	146	122	143;144	161;162	161	
	123	53	123	145	163	163	
	124	68	124	146	164	164	
	125	143	125	147	165	165	
	126	107	126	148	166	166	
	127	28	127	149;150	167;168	168	
	128	95	128	151	169	169	
	129	114	129	152	170	170	
	130	117	130	153	171	171	
	131	68	131	154	172	172	
	132	56	132	155	173	173	
	133	129	133	156	174	174	
	134	131	134	157	175	175	
	135	54	135	158	176	176	67
	136	30	136	159	177	177	
	137	14	137	160	178	178	
	138	49	138	161	179	179	
	139	63	139	162	180	180	
	140	48	140	163	181	181	
	141	13	141	164	182	182	
+	142	3	142	165	183	183	
	143	107	143	166	184	184	
	144	9	144	167	185	185	
	145	29	145	168;169	186;187	186	
	146	28	146	170	188	188	
	147	74	147	171	189	189	
	148	28	148	172	190	190	

	149	91	149	173	191	191	
	150	91	150	174	192	192	
	151	66	151	175	193	193	
	152	66	152	176;177	194;195;19	196	
	153	106	153	178	197	197	102
	154	88	154	179	198	198	90
	155	53	155	180	199	199	
+	156	2	156	181	200	200	
	157	14	157;158	182;183	201;202	201	13
	158	114	159	184	203;204	203	106
	159	31	160	185	205	205	
	160	62	161	186	206	206	
	161	126	162	187	207	207	
	162	52	163	188	208	208	
	163	31	164	189	209	209	
	164	108	165	190	210	210	
	165	46	166	191;192	211;212;21	211	48
	166	66	167	193	215	215	
	167	14	168	194	216	216	
	168	24	169	195;196	217;218	217	
	169	70	170	197	219	219	
	170	28	171	198;199;20	220;221;22	220	
	171	76	172	204	238	238	
	172	105	173	205	239	239	
	173	48	174	206	240	240	
	174	62	175	207	241;242	242	
	175	63	176	208	243	243	
	176	56	177	209;210	244;245	244	70
	177	147	178	211	246	246	
+	178	4	179	212	247	247	
	179	9	180	213	248	248	10
	180	91	181	214;215	249;250	249	
	181	56	182	216	251	251	
	182	31	183	217	252	252	
	183	27	184	218	253	253	
	184	56	185	219;220	254;255	254	
	185	67	186	221	256	256	
	186	31	187	222	257	257	
	187	45	188	223	258	258	
+	188	1;4	189	224	259	259	
	189	48	190	225	260	260	
	190	14	191	226	261;262;26	263	
	191	14	192	227	264;265;26	266	
	192	31	193	228	267	267	
	193	31	194	229	268;269;27	268	
	194	129	195	230	271	271	
	195	90	196	231	272	272	
	196	157	197	232	273	273	
+	197	3	198	233	274	274	
	198	44	199	234	275	275	

	199	31	200	235	276;277	276	
	200	14	201	236;237	278;279;28	278	
	201	63	202	238	281	281	
	202	31	203	239	282	282	
	203	26	204	240	283	283	
	204	11	205	241	284;285;28	285	
	205	29	206	242	287	287	
	206	23	207	243	288	288	
	207	109	208	244	289	289	
	208	107	209	245	290	290	
	209	46	210	246	291	291	
	210	67	211	247	292	292	
	211	114	212	248	293	293	
	212	49	213	249	294	294	
	213	46	214	250	295	295	
+	214	4	215	251	296	296	
+	215	1	216	252	297	297	
	216	36	217	253	298	298	
+	217	3	218	254	299	299	
+	218	3	219	255	300	300	
	219	85	220	256	301	301	
	220	48	221	257	302	302	56
	221	48	222	258	303	303	56
	222	157	223	259	304	304	130
	223	65	224	260	305	305	
	224	28	225	261;262;26	306;307;30	307	
	225	14	226	264;265	309;310	310	
	226	35	227	266	311	311	
	227	35	228	267	312	312	
	228	31	229	268;269	313;314	314	
	229	95	230	270	315;316;31	316	
	230	66	231	271	318	318	
	231	66	232	272;273	319;320	319	
	232	91	233	274;275	321;322	322	
	233	31	234	276	323	323	
	234	65	235	277	324	324	
	235	107	236	278	325	325	
	236	54	237	279	326	326	
	237	54	238	280	327	327	
	238	63	239	281	328	328	
	239	10	240	282	329	329	
	240	28	241	283;284	330;331;33	331	26
	241	28	242	285	335	335	26
	242	57	243	286	336;337	336	
	243	33	244	287	338	338	
	244	28	245	288	339;340	340	
	245	134	246	289	341;342	341	
	246	130	247	290	343	343	114
+	247	5	248	291	344	344	
	248	49	249	292	345	345	

+	249	2	250	293	346	346		
	250	71	251	294	347	347		
	251	85	252	295	348	348		
+	252	4	253	296	349	349		
	253	73	254	297	350	350		
	254	14	255	298	351;352;35	351		
	255	89	256	299	355	355		
	256	36	257	300	356	356		
	257	46	258	301;302	357;358;35	358	49;50	
	258	46	259	303	360;361	360	49;50	
	259	45	260	304;305	362;363	363		
	260	49	261	306;307	364;365	364		
	261	78	262	308	366	366		
	262	28	263	309	367;368	367		
	263	48	264	310	369	369		
	264	114	265	311;312	370;371;37	371		
	265	28	266	313;314	373;374	373		
	266	30	267	315	375	375		
	267	67	268	316	376	376		
+	268	3	269	317	377	377		
	269	114	270	318	378	378		
	270	80	271	319	379	379		
	271	91	272	320;321	380;381	381		
	272	91	273	322	382	382		
	273	139	274	323	383	383		124
	274	116	275	324	384	384		
	275	50	276	325	385	385		63
	276	63	277	326	386	386		
	277	104	278	327	387	387		
	278	142	279	328;329;33	388;389;39	390		
	279	114	280	331	392	392		
	280	36	281	332	393;394	393		
	281	118	282	333	395	395		
	282	107	283	334	396	396		
+	283	1;4	284	335	397	397		
	284	136	285	336;337	398;399	398		
	285	9	286	338	400	400		
	286	28	287	339	401;402;40	401		
	287	19	288	340	404	404		
	288	14	289	341	405	405		
	289	17	290	342	406	406		
	290	146	291	343	407	407		126
	291	118	292	344	408	408		
	292	118	293	345	409	409		
	293	14	294	346	410	410		
	294	14	295	347;348	411;412	412		
	295	54	296	349;350	413;414	413		
+	296	3	297	351	415	415		6
	297	28	298	352;353	416;417;41	418		
	298	66	299	354	419;420	420		

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	300	56	301	357;358	423;424;42	425	
	301	86	302	359	427	427	
	302	48	303	360;361	428;429	428	
	303	144	304	362	430	430	
	304	63	305	363	431	431	
	305	90	306	364	432	432	
	306	14	307	365;366	433;434	434	14
	307	25	308	367	435	435	
	308	56	309	368	436	436	
	309	148	310	369	437	437	
	310	132	311	370	438	438	116
	311	112	312	371	439	439	
+	312	2	313	372;373	440;441	440	
	313	62	314	374	442;443	443	
	314	91	315	375	444;445	444	
	315	49	316	376	446;447	446	
	316	31	317	377	448	448	
	317	82	318	378	449	449	
	318	147	319	379	450	450	
	319	66	320	380	451	451	
	320	66	321	381	452	452	
	321	16	322	382	453	453	
	322	46	323	383	454	454	
	323	150	324	384	455	455	
	324	114	325	385;386	456;457	457	
	325	113	326	387	458	458	
	326	54	327	388	459	459	68
	327	65	328	389;390	460;461	461	
	328	30	329	391	462	462	
	329	51	330	392;393	463;464	463	
	330	56	331	394;395	465;466	466	
	331	49	332	396	467	467	
	332	46	333	397;398	468;469;47	469	48
	333	56	334	399	473	473	
	334	21	335	400	474	474	
	335	26	336	401	475	475	
	336	48	337	402	476	476	
	337	18	338	403	477	477	
	338	31	339	404;405	478;479	478	
	339	33	340	406	480	480	
	340	33	341	407	481	481	
	341	14	342	408;409;41	482;483;48	487	
	342	49	343	411	494	494	
	343	46	344	412	495	495	
	344	31	345	413	496	496	
	345	106	346	414	497	497	103
	346	45	347	415	498	498	
	347	71	348	416	499	499	
	348	28	349	417;418	500;501	501	

	349	28	350	419	502	502		
	350	91	351	420;421	503;504	504		93
	351	102	352	422	505	505		
	352	14	353	423;424	506;507	507		
	353	156	354	425	508	508		
	354	62	355	426	509	509		
	355	107	356	427	510	510		
	356	100	357	428	511	511		
	357	24	358	429;430	512;513	512		
	358	46	359	431	514	514		
	359	46	360	432;433	515;516	515		
	360	140	361	434	517;518	518		
	361	30	362	435;436	519;520	519		
	362	62	363	437	521	521		
	363	114	364	438	522;523	522		
	364	68	365	439	524	524		
	365	98	366	440	525	525		
	366	38	367	441	526	526		
+	367	2	368	442	527	527		
	368	9	369	443	528	528		
	369	9	370	444	529	529		
	370	31	371	445	530	530		
+	371	1	372	446	531	531	1;2	
	372	27	373	447	532	532		
	373	23	374	448	533	533		
	374	23	375	449	534;535	534		
+	375	2	376	450	536	536		
	376	36	377	451;452	537;538	538		
	377	89	378	453	539	539		
	378	152	379	454	540	540		128
	379	39	380	455	541	541	42;43	
	380	81	381	456	542	542		
	381	27	382	457	543	543		
	382	36	383	458;459	544;545;54	546		
	383	28	384	460	547	547		
	384	140	385	461	548	548		
	385	81	386	462	549	549		
	386	40	387	463	550	550		
	387	130	388	464	551	551		
	388	63	389	465	552	552		
+	389	0	390	466	553	553		
	390	74	391	467	554	554		87
	391	36	392	468;469	555;556	556		
	392	36	393	470;471	557;558	558		
	393	9	394	472	559	559		10
	394	140	395	473	560	560		
	395	79	396	474	561	561		
	396	82	397	475	562	562		
	397	111	398	476	563	563	104;105	
	398	49	399	477	564	564		

	399	68	400	478	565	565	
	400	77	401	479	566	566	
	401	132	402	480	567	567	
	402	86	403	481;482	568;569	569	
	403	14	404	483;484	570;571	571	
	404	31	405	485	572;573	572	
+	405	2	406	486;487	574;575	574	
	406	13	407	488	576	576	
	407	49	408	489	577	577	59
	408	14	409	490;491;49	578;579;58	582	
	409	18	410	493	584	584	
	410	30	411	494	585	585	
	411	46	412	495	586	586	51
	412	58	413	496	587	587	74
	413	23	414	497	588	588	
	414	11	415	498	589	589	
	415	48	416	499	590	590	
	416	95	417	500;501	591;592	591	
	417	57	418	502	593	593	
	418	138	419	503	594	594	
	419	9	420	504	595	595	
	420	19	421	505	596	596	
	421	85	422	506	597	597	89
	422	133	423	507	598	598	
	423	146	424	508	599	599	
	424	30	425	509;510	600;601;60	602	
	425	48	426	511	604	604	
	426	93	427	512	605	605	
	427	112	428	513	606	606	
	428	131	429	514	607	607	
	429	14	430	515;516;51	608;609;61	610	
	430	102	431	518	612	612	
+	431	1	432	519	613	613	
	432	7	433	520	614	614	
	433	23	434	521	615;616	615	
	434	138	435	522	617	617	
	435	49	436	523	618	618	
	436	87	437	524	619	619	
	437	134	438	525	620	620	
	438	91	439	526	621	621	
	439	30	440	527	622	622	
	440	30	441	528;529	623;624	623	
+	441	0	442	530	625	625	
	442	30	443	531	626	626	
	443	41	444	532	627	627	
	444	137	445	533	628	628	123
	445	136	446	534	629	629	
	446	67	447	535	630	630	
	447	14	448	536;537;53	631;632;63	634	
	448	56	449	541	638	638	

	449	16	450	542	639	639		
	450	81	451	543	640;641	640		
	451	30	452	544;545	642;643;64	647	28	
	452	28	453	546	648	648		
	453	28	454	547	649	649		
	454	72	455	548	650	650		
	455	126	456	549	651	651		
	456	103	457	550	652	652		
	457	91	458	551	653	653	93	
	458	65	459	552	654	654	76	
	459	46	460	553	655	655	52;53;54	
	460	93	461	554	656	656	95;96;97;9	
	461	135	462	555	657	657	122	
	462	133	463	556	658	658	120	
+	463	1	464	557	659	659	3	
	464	68	465	558	660	660	80	
	465	91	466	559	661	661	94	
	466	12;13	467	560	662	662		
	467	74	468	561	663	663		
	468	31	469	562;563	664;665	664		
	469	31	470	564	666	666		
	470	114	471	565	667	667		
	471	23	472	566	668	668		
	472	126	473	567	669	669		
	473	136	474	568	670	670		
	474	35	475	569	671	671		
	475	147	476	570	672	672		
	476	37	477	571	673	673		
	477	23	478	572	674	674		
	478	44	479	573	675	675		
	479	148	480	574	676	676		
+	480	1	481	575	677;678	678		
	481	132	482	576	679	679		
	482	36	483	577	680	680		
+	483	4	484	578	681	681		
	484	107	485	579;580	682;683;68	682		
	485	91	486	581	685	685		
	486	67	487	582	686	686		
	487	106	488	583	687	687		
	488	86	489	584	688	688		
	489	74	490	585	689	689		
	490	30	491	586	690	690		
	491	30	492	587	691	691		
	492	26	493	588;589	692;693;69	692	23	
+	493	1	494	590	695	695	1;2	
	494	107	495	591	696	696		
	495	68	496	592	697	697		
	496	27	497	593	698;699	698		
	497	85	498	594	700	700		
	498	36	499	595;596	701;702	701		

	499	56	500	597;598	703;704	704	71;72		
	500	48	501	599	705	705			
	501	54	502	600	706	706			
	502	66	503	601;602	707;708	707			
	503	49	504	603	709	709		60	
	504	106	505	604;605	710;711	710			
+	505	2	506	606	712	712	4;5		
	506	30	507	607;608	713;714;71	716		29	
	507	126	508	609	717	717			
	508	107	509	610	718;719;72	718			
	509	132	510	611	721	721	117;118		
	510	131	511	612	722	722			
+	511	3	512	613	723;724;72	723			
	512	28	513	614	726	726			
	513	66	514	615	727	727			
	514	23	515	616	728	728			
	515	106	516	617	729	729			
	516	14	517	618	730	730			
	517	39	518	619	731	731		44	
	518	9	519	620	732	732			
	519	136	520	621	733	733			
	520	12	521	622	734	734			
	521	118	522	623	735	735			
+	522	3	523	624	736	736			
	523	22	524	625	737	737			
	524	22	525	626;627	738;739	739			
	525	82	526	628	740	740			
+	526	3	527	629	741	741			
	527	56	528	630	742;743;74	744			
	528	49	529	631	746	746			
	529	84	530	632	747;748	748			
+	530	1	531	633	749	749			
	531	24	532	634	750	750			
	532	56	533	635	751	751			
	533	19	534	636	752	752			
	534	66	535	637;638	753;754	754			
	535	23	536	639;640	755;756;75	756			
	536	140	537	641	758	758			
	537	66	538	642	759;760	759			
	538	48	539	643	761	761			
	539	23	540	644	762	762			
	540	55	541	645	763	763		69	
	541	47	542	646	764	764			
	542	47	543	647	765	765			
	543	57	544	648	766	766			
+	544	5	545	649	767	767			
	545	148	546	650	768	768			
+	546	2	547	651;652	769;770	770			
	547	63	548	653	771	771			
	548	23	549	654;655	772;773;77	772			

	549	120	550	656	775	775	
	550	19	551	657	776	776	
+	551	3	552	658	777	777	7
	552	68	553	659	778	778	81
	553	30	554	660;661	779;780	780	
	554	126	555	662	781	781	
	555	129	556	663	782	782	
	556	38	557	664	783	783	
	557	91	558	665;666	784;785	784	
	558	142	559	667;668	786;787;78	786	
	559	9	560	669;670	789;790	790	
	560	49	561	671	791	791	
	561	12	562	672	792	792	
	562	37	563	673	793	793	
	563	66	564	674;675	794;795	794	
	564	153	565	676	796	796	
	565	107	566	677	797	797	
	566	27	567	678	798	798	
	567	28	568	679	799	799	27
	568	28	569	680	800;801	800	
	569	28	570	681;682	802;803	802	
	570	114	571	683	804	804	107
	571	31	572	684	805;806	805	
	572	74	573	685	807	807	88
	573	93	574	686	808	808	
	574	136	575	687	809	809	
	575	28	576	688	810	810	
	576	23	577	689;690	811;812;81	811	
	577	121	578	691	815	815	
	578	46	579	692	816	816	
	579	30	580	693	817	817	30;31;32
	580	38	581	694	818	818	
	581	16	582	695	819	819	
+	582	2	583	696;697	820;821	821	
	583	151	584	698	822	822	
	584	49	585	699	823	823	61
	585	102	586	700	824	824	
+	586	3	587	701	825	825	
	587	106	588	702	826	826	
	588	107	589	703	827	827	
	589	43	590	704	828	828	
	590	154	591	705	829	829	
	591	154	592	706;707	830;831	831	
	592	130	593	708;709	832;833	833	
	593	71	594	710	834	834	
	594	54	595	711	835	835	
+	595	1	596	712	836	836	
+	596	2	597	713	837	837	
	597	30	598	714	838	838	
+	598	1	599	715	839	839	

+	599	2	600	716	840	840		
	600	62	601	717	841	841		
+	601	1	602	718	842	842		
+	602	1	603	719	843	843		
	603	142	604	720	844	844		
	604	14	605	721;722	845;846	846		15
	605	14	606	723;724	847;848;84	855		15
+	606	1	607	725	856	856		
	607	89	608	726	857	857		
	608	48	609	727	858	858		57
	609	28	610	728;729	859;860	860		
	610	118	611	730	861	861		
	611	114	612	731;732	862;863;86	862		
	612	23	613	733	865	865		
	613	23	614	734;735	866;867;86	866		21
	614	43	615	736	870	870	45;46	
	615	51	616	737	871	871		
	616	69	617	738	872	872		86
+	617	2	618	739;740	873;874	873		
	618	114	619	741	875	875		
	619	138	620	742	876	876		
	620	51	621	743	877	877		
	621	68	622	744	878	878		82
	622	71	623	745	879	879		
	623	31	624	746	880	880		
	624	56	625	747	881	881		
	625	126	626	748	882	882		
	626	28	627	749;750	883;884	884		27
	627	33	628	751;752	885;886	886	33;34	
	628	81	629	753;754	887;888	887		
	629	28	630	755;756	889;890	889		
	630	145	631	757	891	891		
	631	148	632	758	892	892		
	632	33	633	759	893	893	35;36	
	633	44	634	760	894;895	895		
	634	38	635	761	896	896		
+	635	4	636	762	897	897		
	636	31	637	763;764	898;899	898		
	637	46	638	765	900	900		
	638	28	639	766	901	901		
	639	28	640	767;768	902;903	902		
	640	57	641	769	904	904		
	641	96	642	770	905	905		101
	642	41	643	771	906	906		
	643	51	644	772	907	907		
	644	120	645	773	908	908		
	645	55;111	646	774	909	909		
	646	62	647	775;776	910;911	911		
	647	107	648	777;778	912;913;91	913		
	648	62	649	779	917	917		

	649	130	650	780	918	918		
	650	28	651	781	919;920	920		
	651	73	652	782	921;922	922		
	652	119	653	783	923	923		
	653	14	654;655	784;785	924;925;92	924		16
	654	91	656	786	928	928		
	655	91	657	787;788	929;930	930		
	656	63	658	789;790	931;932	931		
	657	48	659	791	933	933		
	658	130	660	792	934	934		
	659	109	661	793	935	935		
	660	140	662	794	936	936		
	661	49	663	795	937	937		62
	662	75	664	796	938	938		
+	663	3	665	797	939	939		
	664	19	666	798	940;941	941		
+	665	1	667	799	942	942		
+	666	3	668	800	943	943		8
	667	57	669	801	944	944		
	668	25	670	802	945	945		
	669	100	671	803	946	946		
	670	26	672	804	947;948	948		
+	671	1	673	805	949	949		
+	672	1	674	806;807	950;951	950		
	673	49	675	808	952	952		
	674	136	676	809	953	953		
	675	77	677	810	954	954		
	676	33	678	811	955	955		37
	677	33	679	812	956	956		37
	678	68	680	813	957	957		
	679	33	681	814	958	958		
	680	85	682	815	959	959		
	681	78	683	816	960	960		
	682	60	684	817	961	961		
	683	140	685	818	962;963	963		125
	684	107	686	819	964	964		
	685	107	687	820;821	965;966	966		
	686	130	688	822	967	967		
	687	14	689	823	968	968		
	688	63	690	824	969	969		
	689	74	691	825	970;971	971		
	690	62	692	826	972	972		
	691	73	693	827	973	973		
	692	36	694	828	974	974		
	693	14	695	829	975	975		
	694	16	696	830;831	976;977	977		20
	695	35	697	832;833	978;979	979	38;39	
	696	57	698	834	980	980		
	697	125	699	835	981	981		
	698	114	700	836	982	982		

	699	14	701	837;838	983;984;98	984	17
	700	65	702	839	986	986	
+	701	0	703	840;841	987;988	988	
	702	37	704	842	989	989	
	703	87	705	843	990	990	
+	704	4	706	844	991	991	
	705	126	707	845	992	992	
	706	49	708	846;847	993;994	994	
	707	24	709	848	995	995	
	708	33	710	849	996;997	997	
	709	28	711	850;851;85	998;999;10	1002	
	710	131	712	853	1004	1004	
	711	114	713	854;855	1005;1006	1005	108
	712	49	714	856	1008	1008	
	713	49	715	857;858	1009;1010	1009	
	714	48	716	859	1011	1011	58
	715	73	717	860	1012	1012	
	716	92	718	861	1013	1013	
	717	123	719	862	1014	1014	
	718	49	720	863;864	1015;1016	1016	
	719	132	721	865	1017	1017	
	720	39	722	866	1018	1018	
	721	128	723	867	1019	1019	
	722	117	724	868	1020	1020	
	723	55	725	869	1021	1021	69
	724	68	726	870	1022	1022	
	725	96	727	871	1023	1023	
	726	28	728	872	1024	1024	
+	727	2	729	873	1025;1026	1025	
	728	49	730	874	1027;1028	1028	
	729	113	731	875	1029	1029	
	730	30	732	876;877	1030;1031	1031	
	731	26	733	878;879	1032;1033	1032	24;25
	732	24	734	880	1034	1034	
	733	24	735	881;882	1035;1036	1036	
	734	73	736	883	1037	1037	
	735	24	737	884;885	1038;1039	1040	
+	736	4	738	886	1041;1042	1041	9
	737	68	739	887	1043	1043	83
	738	68	740	888	1044	1044	84
	739	85	741	889	1045	1045	
	740	17	742	890	1046	1046	
	741	92	743	891	1047	1047	
	742	123	744	892	1048	1048	109
	743	53	745	893	1049;1050	1049	
+	744	3	746	894	1051	1051	
	745	14	747	895	1052	1052	
	746	122	748	896	1053	1053	
	747	24	749	897	1054;1055	1054	
	748	23	750	898	1056	1056	

	749	24	751	899	1057;1058	1057		
	750	31	752	900	1059	1059		
	751	31	753	901;902	1060;1061	1061		
	752	31	754	903	1062	1062		
	753	86	755	904	1063	1063		
	754	80	756	905	1064	1064		
	755	38	757	906;907	1065;1066	1068		41
	756	83	758	908	1071	1071		
	757	115	759	909	1072	1072		
	758	45	760	910	1073;1074	1073		
	759	37	761	911	1075	1075		40
	760	28	762	912;913	1076;1077	1077		
	761	28	763	914;915	1078;1079	1079		
	762	14	764	916	1080	1080		
	763	16	765	917	1081	1081		
	764	32	766	918	1082	1082		
	765	114	767	919	1083	1083		
	766	114	768	920;921	1084;1085	1084		
	767	129	769	922	1086;1087	1087		111
	768	155	770	923	1088	1088		129
	769	12	771	924	1089	1089		11
	770	130	772	925	1090	1090		115
	771	15	773	926;927;92	1091;1092	1091	18;19	
	772	28	774	930	1098	1098		
	773	33	775	931	1099	1099		
	774	62	776	932	1100	1100		
	775	46	777	933	1101	1101		
	776	46	778	934;935	1102;1103	1103		
	777	23	779;780	936;937	1104;1105	1104		22
	778	94	781	938	1106	1106		
	779	46	782	939	1107	1107		
	780	46	783	940;941	1108;1109	1108		
	781	14	784	942;943	1110;1111	1112		12
	782	31	785	944	1113	1113		
	783	59	786	945	1114	1114		
+	784	1	787	946	1115	1115		
+	785	2	788	947	1116	1116		
	786	142	789	948	1117	1117		
	787	46;22	790	949	1118	1118		
	788	46;22	791	950;951	1119;1120	1120		
	789	126	792	952	1121	1121		
	790	40	793	953	1122	1122		
	791	114	794	954	1123	1123		
	792	24	795	955	1124	1124		
	793	24	796	956;957	1125;1126	1126		
	794	38	797	958	1127	1127		
	795	38	798	959	1128	1128		
	796	39	799	960	1129	1129		
	797	23	800	961	1130	1130		
	798	107	801	962	1131;1132	1132		

799	68	802	963	1133	1133	
800	19	803	964	1134	1134	
801	91	804	965	1135	1135	
802	68	805	966	1136	1136	85
803	121	806	967	1137	1137	
804	93	807	968	1138	1138	99
805	62	808	969	1139	1139	
806	114	809	970	1140	1140	
807	93	810	971	1141;1142	1142	100
808	73	811	972	1143	1143	

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Sequence	N-term cle	C-term cle	Amino acic	First amino	Second am	Second las	Last amino	Amino acic
AAAPPPVR	SLRAAASK	AAAPPPVR	K	A	A	V	R	L
AAFLGSEV	TKPVLKKK	AFLGSEVR	K	A	A	V	R	L
AAFVVDK	IAQQDAQF	RAAFVVDK	R	A	A	D	K	A
AAIAEEQIL	VASEMNTI	AEEQILNK	K	A	A	N	K	Q
AANQGALI	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AAPETGIM	IVNKPLFK	NGLITVSR	K	A	A	S	R	D
AAVEEGILF	DDALNATF	GGGTALVK	R	A	A	V	K	A
AAWYISYG	TLNNEEIK	SYGEWGPI	K	A	A	P	R	R
ADLEMQIE	LDELTLTK	TEELAYLKK	K	A	D	L	K	K
ADLEMQIE	LDELTLTK	EELAYLKKN	K	A	D	K	K	N
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AEGEAESA	ERQASVIR	ESAEFISKA	R	A	E	S	K	A
AFSMNPAI	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AFSNGSWI	EAVQAADI	NGIDPIDR	R	A	F	D	R	G
AFVSTGDG	RIALKNYK	GDGTVNVI	K	A	F	V	K	E
AGISYAAYL	_____	NVAAQAIR	K	A	G	I	R	S
AGREELER	YNEFLYSK	AGREELER	K	A	G	E	R	V
AHGGFSVF	ELINNIAKA	VFTGVGER	K	A	H	E	R	T
AHQTELTH	ARAYRIIRA	LTHHLLPRI	R	A	H	P	R	N
AIADLAVG	LAYIGSDK	DLAVGEAK	K	A	I	A	K	Y
AIFTESVK	TSATVLGR	AIFTESVKN	R	A	I	V	K	N
AIGVLPQLI	TVLFGVAR	LPQLIIDRA	R	A	I	D	R	A
AIGYQWYV	ISPAMTIK	IGYQWYW	K	A	I	W	K	Y
AIIYDVR	FLVPWLQK	KAIIYDVRT	K	A	I	V	R	T
AISLGLR	ETLSYFAR	RAISLGLRL	R	A	I	L	R	L
AITMEIR	ACRDVVSR	RAITMEIRE	R	A	I	I	R	E
AKANSIINA	PEKQTDPK	PGNNILTK	K	A	K	T	K	T
AKQPVKDC	NGIKFSLK	LSTNVEAK	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYK	K	A	K	Y	K	Q
ALEEANAD	ASYLDKVR	ANADLEVK	R	A	L	V	K	I
ALEESNYEI	ASYLDKVR	SNYELEGK	R	A	L	G	K	I
ALELKPDY	KVVEMSTK	ELKPDYSK	K	A	L	S	K	V
ALKQVAGS	VGSAAQVK	KQVAGSLK	K	A	L	L	K	L
ALKQVAGS	VGSAAQVK	KLFLAQYR	K	A	L	Y	R	E
ALVHHYEE	FKNTEEGK	HYEECAER	K	A	L	E	R	V
AMFGFKK	FAFKDKIK	AAMFGFKK	K	A	M	K	K	E
AMLNNSM	DQATKTRK	NNSMSLYF	K	A	M	Y	R	C
ANLLSSK	YTSGLVSK	KANLLSSK	K	A	N	S	K	A
ANLLSSSNI	NQSFIQQK	SSNFEATK	K	A	N	T	K	K
ANLLSSSNI	NQSFIQQK	SNFEATKK	K	A	N	K	K	S
ANSIINAIP	KQTDPKAK	PGNNILTK	K	A	N	T	K	T
ANVLYLDC	MQHTLQN	VLYLDCDK	R	A	N	D	K	L
APDFVESN	NKSVIYNK	IFNLNTVK	K	A	P	V	K	S
APGFGDNI	QVKVCAVK	APGFGDNI	K	A	P	N	R	K
APGFGDNI	QVKVCAVK	PGFGDNRI	K	A	P	R	K	N
APGILPR	GRSRAQVK	KAPGILPRF	K	A	P	P	R	R
APGQSTVC	SKVNKTKK	GLLAQLAK	K	A	P	A	K	Q
APILINNLLI	AALNDPAK	NLLDSGIRL	K	A	P	I	R	L
AQAQNLA	DFINEYKK	LAAEEEERL	K	A	Q	E	R	L

AQEDVPYL	LPRNEWIK	LEAEAAAK	K	A	Q	A	K	E
AQVNSLIQ	VVPPKYTK	LIQQNTAR	K	A	Q	A	R	E
AQYEEIAQ	DSIIAEVKA	QYEEIAQR	K	A	Q	Q	R	S
ASAFPVK	NLLSYFTRA	RASAFPVK	R	A	S	V	K	G
ASEFYYGF	AKFLVFER	YYGFAGPK	R	A	S	P	K	E
ASLENSLE	LQSQLSMK	ENSLEETK	K	A	S	T	K	G
ASLVYHDG	MLTTDNLK	DGSFNDSR	K	A	S	S	R	L
ATFLKDDL	DREYITLKA	ALADVLYK	K	A	T	Y	K	T
ATLTDLPE	VQTKALSK	TLTDLPER	K	A	T	E	R	W
ATLTDLPE	VQTKALSK	NMPNLEQ	K	A	T	Q	K	E
AVADVWS	SPYDLNGK	SDLEAEFK	K	A	V	F	K	Q
AVDALVPI	EPVQTGLK	DALVPIGR	K	A	V	G	R	G
AVGAPIER	LPQLIIDRA	GAPIERPK	R	A	V	P	K	S
AVHETIAE	EYATRISKA	HETIAEGK	K	A	V	G	K	H
AVLEGKYD	KDTVASFK	GIEDVVAK	K	A	V	A	K	A
AVQNIILG	FADAELKK	EVCCAGSR	K	A	V	S	R	V
AVVAQFN	SIVNEVLK	ASQLITQR	K	A	V	Q	R	E
AWISLAVE	LRDDTLPK	SPNYFVAK	K	A	W	A	K	L
AYFSCTSA	IATGGYGR	DGNAMVS	R	A	Y	S	R	A
AYLDELKD	VENEDQYK	LDELKDVR	K	A	Y	V	R	Q
AYTEQNVE	LQGPEALK	VETAHVAK	K	A	Y	A	K	E
AYTSHLSS	_____	YTSHLSSKT	M	A	Y	S	K	T
CSNTTLPS	VHVPMEV	EPLDTSKR	R	C	S	K	R	T
CWECGSV	PTVNEVAR	WECGSVY	R	C	W	Y	K	L
DAPTFQES	LSINGIGKD	ESALIADKL	K	D	A	D	K	L
DAPTFQES	LSINGIGKD	DKLLSVMK	K	D	A	M	K	A
DATSDKIT	YDLSVESR	DAAEAIKK	R	D	A	K	K	Y
DDLPYYVN	TLKATFLK	ALADVLYK	K	D	D	Y	K	T
DEEGQDVL	LTIAEYFRD	LFIDNIFR	R	D	E	F	R	F
DFQSYIVS	ALSSNISRD	SLPGSTDK	R	D	F	D	K	S
DGGVFATF	KSTIPVKR	ATFVVPPK	R	D	G	P	K	Y
DGPLSTNV	LKAKQPVK	LSTNVEAK	K	D	G	A	K	L
DGVAHLLN	GGSRYATK	GVAHLLNR	K	D	G	N	R	F
DGVYENIP	MKRSVHFK	VYENIPFK	K	D	G	F	K	V
DIENQYET	QLIAKNRK	QEVQSSAK	K	D	I	A	K	E
DKDGNEFN	NPLTDKLK	HGDGLPQF	K	D	K	Q	R	G
DKFVEGLS	RWKSLSTK	VEGLSNNK	K	D	K	N	K	Y
DKFVEGLS	RWKSLSTK	GLSNNKYK	K	D	K	Y	K	I
DLFEYTLA	DTDANVPF	YAAEISARF	R	D	L	A	R	R
DLQMVNIT	VASLTGTK	QMVNITCF	K	D	L	C	R	V
DLQMVSLT	IATNTGTK	QMVSLTLR	K	D	L	L	R	V
DLQSTLDN	SLVSKELK	LDNIQSAR	K	D	L	A	R	P
DLQSTLDN	SLVSKELK	LTVDDLTK	K	D	L	T	K	I
DLVPDLTN	LPHMFIVK	TNFYQQYK	K	D	L	Y	K	S
DMGLLDVI	LPSFYCPK	DMGLLDVI	K	D	M	V	R	T
DQDSAVVS	GLFTLFVR	AVVSSNIK	R	D	Q	I	K	K
DQDSAVVS	GLFTLFVR	VVSSNIKK	R	D	Q	K	K	I
DQQAGESI	VSSEIQQK	TDTGVIHK	K	D	Q	H	K	S
DRFGNLNV	KWDVPGY	RFGNLNVM	K	D	R	V	M	-
DRIDSVSQ	NKHVEAVK	QNVAETTK	K	D	R	T	K	V

DRNSVIDA LNPALSLKD DAIVETHKI K	D	R	H	K	N
DRYDDALN EVEVGEKK DDALNATF K	D	R	T	R	A
DSAYTLGQ YIPQEISRD QLGLVQFR R	D	S	F	R	D
DSGLWGFS NHFSLSYKD WGFSTATF K	D	S	T	R	N
DSVGNEYR QKLNLFVR SVGNEYRR R	D	S	R	R	K
DTDYDDFE LAAGPVKK DYDDFEMI K	D	T	M	R	G
DTSNMWV MATEKHAI DTSNMWV K	D	T	V	K	I
DVETNELV KVIGAEARI VETNELVR R	D	V	V	R	I
DVHNGYIL SSVEHIMR VHNGYILR R	D	V	L	R	Y
DVPANASF LHPVVTPK DPNIDFER K	D	V	E	R	V
DVTTFLNV ATTSQMAI AEPEHDER K	D	V	E	R	K
DVTTFLNV ATTSQMAI EPEHDERK K	D	V	R	K	R
DWEPQESI GTAIYMAR QESEELKKD R	D	W	K	K	D
DYEFMNIR VPDSEWPF DYEFMNIR R	D	Y	I	R	S
DYNEDLVD LQKTNIIRD NEDLVDGF R	D	Y	G	R	S
DYQELMN EDLARLLRD YQELMNTF R	D	Y	T	K	L
DYRDQGIK KGVPDTAR DYRDQGIK R	D	Y	I	K	W
DYVDQDLF VEFAAELRD YVDQDLRK R	D	Y	R	K	W
DYVELKR GEAIKKSRD RDYVELKR R	D	Y	K	R	L
EAAEAAIQ NVSSSDAR ENLQSVLK R	E	A	L	K	-
EAYPGDVF LLRRPPGRI DVFYLHSR R	E	A	S	R	L
EDDVEEAV ICHIYEGRE EAVQAADF R	E	D	D	R	A
EDVLSAWA YIEFPVKRE AGVRPLVR R	E	D	V	R	D
EEGIGSFYS GGFSRILKE GFTPILFKQ K	E	E	F	K	Q
EEQAQYEE LKCNAKKK EQAQYEEK K	E	E	E	K	L
EFDEAYDLI EFTARYEKE YDLFEVQR K	E	F	Q	R	V
EFINDPR ADLSSNTK KEFINDPR K	E	F	P	R	N
EGELVKR FGSDRLVK KEGELVKR K	E	G	K	R	T
EGFSHLYK CLTKIVKKE EGFSHLYK K	E	G	Y	K	G
EGICGSCAI LTFRRSCRE CAMNIGGI R	E	G	G	R	N
EGLQPPTV ISKQIYLKE PPTVAQFK K	E	G	F	K	S
EGTVPTDL TLIGPGAKE DQETGLAR K	E	G	A	R	L
EGVFYGAC QVSALIQRI GHANMPII R	E	G	I	K	I
EGVITIR SAMEKVGI KEGVITIRE K	E	G	I	R	E
EHAALEPR NFGEGSSR EHAALEPR R	E	H	P	R	F
EIADNLTEF NMPNLEQ IADNLTER K	E	I	E	R	Q
EIETYHNLL SIKMRLEKE FESSGAGK K	E	I	G	K	I
EISDAQEIR YEYSSFLKE ISDAQEIRL K	E	I	I	R	L
EKDELDNIE LEAEAAAK LDNIEVSK_ K	E	K	S	K	-
EKFYAELAE HMDKINKF FYAELAERI R	E	K	E	R	K
EKGELSKEL NELLTEIRE KELLASLKS R	E	K	L	K	S
ELIIGDR VPIGRGQR RELIIGDRQ R	E	L	D	R	Q
ELIVAITSDI ATETGAPK IVAITSDKG K	E	L	D	K	G
ELIVAITSDI ATETGAPK SIHSQLAKA K	E	L	A	K	A
ELKDLQSTL ETESLVSKE LDNIQSARI K	E	L	A	R	P
ELKDLQSTL ETESLVSKE LTVDDLTKI K	E	L	T	K	I
ELLASLK REKGELSKE KELLASLKS K	E	L	L	K	S
ELMDENFC ERWFPSSR LMDENFCF R	E	L	C	R	R
ELTTEIDNN AWFNEKSK IEQISSYKSE K	E	L	Y	K	S
EMKETGVI REGNDLYR INLEGESKV R	E	M	S	K	V

EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
ENAPSIVFI	RDLFKTARI	DEIDAIGKA	R	E	N	G	K	A
ENLEVSGE	FADKVYTK	VVEADLKR	K	E	N	K	R	F
ESELLGGTF	RSALKLVRE	ELLGGTFKS	R	E	S	F	K	S
ESNFLIDFL	PPAPAPKK	GVSAAVAK	K	E	S	A	K	T
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETGVINLE	NDLYREMK	INLEGESKV	K	E	T	S	K	V
ETVELESEA	KVLFDVSKI	ESEAFELKC	K	E	T	L	K	Q
EVAAFAQF	KLFLAQYRE	SDLDASTK	R	E	V	T	K	Q
EVATNSEL	TKTEELNRE	SELVQSGK	R	E	V	G	K	S
EVYVLPGE	WKFVPQQ	ETALAFYKA	R	E	V	Y	K	A
FALAGAIG	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FASFIDK	QIKTLNNKI	KFASFIDKV	K	F	A	D	K	V
FDDLIAEEN	GYKKLGLKI	PIMQTALR	K	F	D	L	R	R
FEIDTDAN	EQSPSFGK	DTDANVPF	K	F	E	P	R	D
FFIDNLGYE	GGYEVFKK	LGYDTASR	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	FFLGEENR	K	F	F	N	R	V
FFLGEENR	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FIGDSVAAI	LGEENRVR	AIGIPVNKA	R	F	I	N	K	A
FILQSGDEF	KNDLEQYR	SGDEFFLK	R	F	I	L	K	G
FISEVENTE	LDSIRAARF	NTDPTQER	R	F	I	E	R	V
FKESLMAT	PDKVAAQK	ESLMATEK	K	F	K	E	K	H
FKPSTLTW	VLPRRYPKI	STLTWSIKT	K	F	K	I	K	T
FLEQQNQ	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLEWLNEC	IEAVSLPKF	FLEWLNEC	K	F	L	E	Q	-
FLGGFAIIT	EHAALEPR	GGFAIITKS	R	F	L	T	K	S
FLSQPFAV	ERARKIQRI	VFTGIPGKL	R	F	L	G	K	L
FLSQPFAV	ERARKIQRI	GIPGKLVRI	R	F	L	V	R	L
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNYVAVGE	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FPTPILK	_____	RFPTPILKV	R	F	P	L	K	V
FQDTLYK	VFTEGWPK	KFQDTLYK	K	F	Q	Y	K	K
FQDTLYKK	VFTEGWPK	FQDTLYKK	K	F	Q	K	K	I
FQGPALTE	PSTTIVIKF	EEIYSLFRR	K	F	Q	F	R	R
FTDGGLFT	ISSAKLDKF	GLFTLFVRE	K	F	T	V	R	D
FTQAGSEV	LFIDNIFRF	EVSALLGRI	R	F	T	G	R	I
FTVTLIPGD	LPKKYGGR	IPGDGVGK	R	F	T	G	K	E
FVASQAQC	MDRFPEYK	ASQAQQFI	K	F	V	F	K	W
FVDESLLST	VVEADLKR	LSTLPAGKS	R	F	V	G	K	S
FVFNPPKP	WAGIKTRK	VFNPPKPR	K	F	V	P	R	K
FVVTAADV	VPVDTHIR	AIPSLGIKV	R	F	V	I	K	V
GAFDLCLK	TQPFFTAR	GAFDLCLK	R	G	A	L	K	S
GAILSGPP	KMGAKIPR	SGPPGTGK	R	G	A	G	K	T
GALAYIGSE	EDFKYNHK	LAYIGSDKA	K	G	A	D	K	A
GCGANILR	EGVGSLFK	GCGANILR	K	G	C	L	R	G
GDVDLVIN	GKAISSSRC	DLVINYLKS	R	G	D	L	K	S
GFISPYFITE	TEGMRFDF	PYFITDPKS	R	G	F	P	K	S
GFLPSVVG	DGVAGLYR	VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV	GGGGGGF	AVVSGGSR	R	G	F	S	R	R

GGGGGGY	TISGGGSR(	GGGGGGG	R	G	G	G	R	G
GGGGSFG\	GSSRVCGR	GGFGGGSI	R	G	G	S	R	G
GGSGGSH(	YGGGSGSR	GYGGGSGI	R	G	G	G	K	S
GGSGGSY(	GSYGRGSR	YGGGSGSF	R	G	G	S	R	G
GHLENISNI	AGPWLKYF	AINAENKK.	R	G	H	K	K	A
GHLVSNFF	IQYENIRRG	NFFTNHTR	R	G	H	T	R	I
GIRPAINV(	LEAELFYKG	NVGLSVSR	K	G	I	S	R	V
GISELGIYP/	DATTVLSR(	AVDPLDSK	R	G	I	S	K	S
GITSYAVSP	HMGGPKQ	AVSPYAQK	K	G	I	Q	K	P
GITSYAVSP	HMGGPKQ	NAVFNSFR	K	G	I	F	R	R
GKDLSPAI\	KIVADLKK(	SPAINYTKL	K	G	K	T	K	L
GKPNSTVL	NHNARFLK	TLDGIISKK\	K	G	K	S	K	K
GKWDVPG	KVEEMVKK	KWDVPGY(	K	G	K	Y	K	D
GKWDVPG	KVEEMVKK	DVPGYKDF	K	G	K	D	R	F
GLCGSIHS(	IVAITSDKG	SIHSQLAK/	K	G	L	A	K	A
GLGNPLLYI	LYAITFRKG	LLYDGVER\	K	G	L	E	R	V
GLNVALVE	CALDAATR	LNVALVEK(	R	G	L	E	K	G
GLYYGSYR	VMFMHM/	GLYYGSYR\	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK(	IVLFGSDRL	K	G	M	D	R	L
GNFFSSNP	PLTAKQSK(	SFVVDTYK(	K	G	N	Y	K	Q
GPAPLNLE	DISGRIRKG	AYEFDGDK	K	G	P	D	K	V
GPAPLNLE	DISGRIRKG	DGDKVIVG	K	G	P	V	G	-
GPIDAAGR	LGNPIDGK(	GPIDAAGR	K	G	P	G	R	S
GSGKHDLV	FVVIRGPR(	MQHTLQN	R	G	S	N	R	A
GSIDITTTN	QERIEQIKG	TTTNSYEKE	K	G	S	E	K	E
GSIDITTTN	QERIEQIKG	TNSYEKEKI	K	G	S	E	K	L
GSNVVRPY	FAKFVTPK(	PVSDLSQK(	K	G	S	Q	K	G
GSPWIEDL	RASAFPVK(	PWIEDLRR	K	G	S	R	R	L
GSSSGGGY	AFGGSGGF	SSYGSGGR	R	G	S	G	R	Q
GSVTSVQA	ERITTTKKG	DATTVLSR(	K	G	S	S	R	G
GTPNDAY\	PQKPGGVF	YVPPPENK	R	G	T	N	K	L
GTVTSAEP	DAHNGLLK	SAEPLDPK\	K	G	T	P	K	S
GVAGAGVI	GCGANILR	LQMILFGK	R	G	V	G	K	K
GVAGAGVI	GCGANILR	QMILFGKK	R	G	V	K	K	F
GVETLAEA'	EGRASLLK(	VAATLGPK	K	G	V	P	K	G
GVSDEANL	SILEERIKG\	ANLNETGR	K	G	V	G	R	V
GYDAGEN]	HGDGLPQF	YQAPPADF	R	G	Y	D	R	S
GYFIKPTVF	GGERLGSK	PTVFGDVK	K	G	Y	V	K	E
HALIVYDDI	EWFRDNG	IVYDDLSK(	K	H	A	S	K	Q
HAMTNAK	QVIESFEKH	ETESLVSKE	K	H	A	S	K	E
HDLVMQH	RGPRGSGK	MQHTLQN	K	H	D	N	R	A
HEDLVNSI	VVGTGNIK	LVNSIESKN	K	H	E	S	K	N
HGVQELEII	AKEVTQLR	ELQSQLSKI	R	H	G	S	K	K
HIYQSAAA	TGSTATGR	QSAAAGLK	R	H	I	L	K	K
HLNDQPN/	QLAKAVRR	DIVTIGDKI	R	H	L	D	K	I
HSGQAEG\	NLHGIFGR	YTDANIKKI	R	H	S	K	K	N
HVEAVKDF	VLNASRNK	QNVAETTK	K	H	V	T	K	V
HVPDSEWI	AEHREHLK	VPDSEWPF	K	H	V	P	R	D
IAAGDGDI	LWKDVKAI	GDGDDDD	R	I	A	D	E	-
IANVVHFYI	GSAPNAKF	ANVVHFYK	R	I	A	Y	K	S

IAPALVTGI	PLLMWAV	TGNTVVLK	K	I	A	L	K	T
IASDFGVLI	NRLGCFEK	DAHNGLLK	K	I	A	L	K	G
IDAITVK	SLGEAFKKI	KIDAITVKD	K	I	D	V	K	D
IEAVSLPK	GHANMPII	IEAVSLPKF	K	I	E	P	K	F
IEISELNR	GDSVRNSK	IEISELNRVI	K	I	E	N	R	V
IFQSSTKPL'	NKVIQLQK	STKPLWWI	K	I	F	W	R	H
IFSAANVPI	EISKSVKKIF	PAVQSITKI	K	I	F	T	K	N
IGASALGG(	DKLNPFEKI	NQPIEVIRV	K	I	G	I	R	V
IGDYILK	QSFTSIARI(	RIGDYILKSI	R	I	G	L	K	S
IGEFESSFLS	LDGIELSRI(	SSFLSYLKSI	R	I	G	L	K	S
IGESWVITE	IKRYTGGRI	SWVITEGR	R	I	G	G	R	R
IGESWVITE	IKRYTGGRI	WVITEGRR	R	I	G	R	R	L
IGLFGGAG'	APYARGGK	FGGAGVGI	K	I	G	G	K	T
IGVLANHV	NLPAKSGR	VMEGSNSI	R	I	G	S	K	K
IIGRMTAG	HTTIAGTRI	GRMTAGN	R	I	I	N	R	R
IINVIGEPI(	VGRETLGR	IGEPIDERG	R	I	I	E	R	G
IINVIGEPI(	VGRETLGR	IDERGPIKS	R	I	I	I	K	S
IITHPNFNC	EQFINAAK	DNDIMLIK	K	I	I	I	K	L
IKDEQDSTI	MVLDALLK	QDSTLTFRI	K	I	K	F	R	R
IKEWYEK	SNYELEGKI	KIKEWYEKI	K	I	K	E	K	H
IKGVSDEAI	VSSILEERI	ANLNETGR	R	I	K	G	R	V
IKPEIDAK	LTVDDLTKI	IKPEIDAKV	K	I	K	A	K	V
IKPEIDAKV	LTVDDLTKI	AKVEEMVI	K	I	K	V	K	K
ILASSPNR	DTARDIAK	ILASSPNRV	K	I	L	N	R	V
ILIAEGWIP	SNYDTNRK	ELATLQARI	K	I	L	A	R	L
ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILQESETSN	YSKADFFKI	SETSNSSKT	K	I	L	S	K	T
ILSNEQIYN	ESTCSGKKI	SNEQIYNR'	K	I	L	N	R	W
ILTQDEIEA	_____	QDEIEAHR	K	I	L	H	R	S
ILYGHLDDI	RPFTYAEKI	PHGQDIQF	K	I	L	Q	R	G
INASNAVIT	RLDYLSGKI	ASNAVITK(	K	I	N	T	K	C
IPLLGPTLEI	FQDTLYKKI	TPPEDKPN	K	I	P	P	N	-
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IQLEPTVYN	PIDVVKTRI	LEPTVYNK(	R	I	Q	N	K	G
IQQEQMG	EEEKEKIRI(	GGQTFTLK	R	I	Q	L	K	D
IQSVDAVS	PFDVVKSR	DAVSSAVK	R	I	Q	V	K	K
IRLENEIQT'	YQQLLDIKI	ENEIQTYRS	K	I	R	Y	R	S
ISIFYNDPV	MKAGTYPI	EKPIFNAKT	K	I	S	A	K	T
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ITGSTATQI	AKVISSLRIT	TQLSSFKKF	R	I	T	K	K	R
ITSTDPNAI	RNVFKDGK	DPNADYGI	K	I	T	G	K	N
IVAAEGVG	GAFDCLRK	EGVGSLFK(	K	I	V	F	K	G
IVGEAITNH	NIVSGFGKI	EAITNHPKI	K	I	V	P	K	I
IVKEEIFGP'	GDVKEDM	GPVVTVTK	R	I	V	T	K	F
KAAFLGSE'	GTKPVLKK	AFLGSEVRI	K	K	A	V	R	L
KAEVILNEK	SEADTSVK	AEVILNEKE	K	K	A	E	K	E
KAGISYAA'	_____	NVAAQAIR	R	K	A	I	R	S
KAPGQSTV	LSKVNKTKI	GLLAQLAK(	K	K	A	A	K	Q
KATAFHEA	MVLTDAAI	AGHAIMAI	R	K	A	A	K	Y

KDRYDDAL	SEVEVGEK	DDALNATF	K	K	D	T	R	A
KESNFLIDF	LPPAPAPK	GVSAAVAK	K	K	E	A	K	T
KFFIDNLGY	FGGYEVFK	LGYDTASR	K	K	F	S	R	Y
KFVFNPPK	KWAGIKTR	VFNPPKPR	R	K	F	P	R	K
KGDKNTIV	QWDRRDII	TIVSSYNRN	K	K	G	N	R	N
KGKWDVP	AKVEEMVK	KWDVPGY	K	K	G	Y	K	D
KGLGNPLL	QLYAITFRK	LLYDGVER	R	K	G	E	R	V
KGPAPLNL	YDISGRIRK	AYEFDGDK	R	K	G	D	K	V
KGSVTSVQ	QERITTTKK	DATTVLSR	K	K	G	S	R	G
KGTMKDPI	TKPLDSSRK	IESYDDYRY	R	K	G	Y	R	Y
KHLWEER	GPDDNHQ	RKHLWEEF	R	K	H	E	R	I
KIDAITVK	LSLGEAFK	KIDAITVKD	K	K	I	V	K	D
KIPLLGPTL	KFQDTLYK	TPPEDKPN	K	K	I	P	N	-
KISSIQDILP	PLLLLSEKK	LEISNQSRF	K	K	I	S	R	R
KIVADLK	AVVSSNIK	KKIVADLKK	K	K	I	L	K	K
KIVADLKK	AVVSSNIK	KIVADLKKC	K	K	I	K	K	G
KLDNPAIG	VQAISLFK	NPAIGPMF	K	K	L	M	R	K
KLYCVYVA	NNGSDESK	VYVAVGQK	K	K	L	Q	K	R
KLYCVYVA	NNGSDESK	YVAVGQKF	K	K	L	K	R	S
KMDEAEQ	EKAKISAK	EAEQLFYK	K	K	M	Y	K	N
KPIHADPP	GPIKSKLR	EILETGIKV	R	K	P	I	K	V
KVSDVLNA	DFADARM	SDVLNASR	K	K	V	S	R	N
KVTLELGG	QSAAAGLK	VTLELGGK	K	K	V	G	K	S
KWEEELKP	GFETGRIK	EELKPLGK	K	K	W	G	K	V
KYAGILDC	LKQGTLDR	AGILDCFK	R	K	Y	F	K	R
KYAGILDC	LKQGTLDR	GILDCFKR	R	K	Y	K	R	T
KYEDEINK	DLVEDYKK	YEDEINKR	K	K	Y	K	R	T
LAAQIFGS	SPNYFVAK	NAFEPASR	K	L	A	S	R	L
LADGLFVN	VHKSTIQR	GLFVNVAK	R	L	A	A	K	E
LAELIEQDK	DRGKALYR	IETLDNGK	R	L	A	G	K	A
LAGAEEW	PCHTRDIK	QNYHLSSK	K	L	A	S	K	M
LAGNASW	MAGIEAEK	WGELFSTK	K	L	A	T	K	T
LASYLDK	TMQNLND	RLASYLDK	R	L	A	D	K	V
LASYLDKV	TMQNLND	ASYLDKVR	R	L	A	V	R	A
LCVPVANC	LKSPVLSK	FINLAGYK	K	L	C	Y	K	K
LCVPVANC	LKSPVLSK	INLAGYKK	K	L	C	K	K	L
LDKFTDGG	SGLISSAK	GLFTLFVR	K	L	D	V	R	D
LDSELKNM	QLKSDQSR	QDMVEDY	R	L	D	Y	R	N
LDSNNSSV	NYFDKALK	NSSVYYHR	K	L	D	H	R	G
LEFANLTP	NTNNLQTK	ANLTPGLK	K	L	E	L	K	N
LEFANLTP	NTNNLQTK	SLTPGVAK	K	L	E	A	K	S
LEGIDVFD	ARLELLGK	TKPLDSSR	K	L	E	S	R	K
LENEIQTY	QLLDIKIRL	ENEIQTYR	R	L	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK	K	L	E	I	K	G
LETLDNQT	RNTGLTPK	TLDNQTM	K	L	E	M	R	N
LFAGMSPE	NIKPLTTR	LGMSPEMA	R	L	F	A	K	K
LFEEQLDK	ESFTKAAR	NNEDEKLK	R	L	F	L	K	E
LFGVEGTY	AAAPPPVR	ALYQAAAK	R	L	F	A	K	N
LFLAQYR	KQVAGSLK	KLFLAQYR	K	L	F	Y	R	E
LGEHNIDV	YKSRIQVR	LEQFINAAK	R	L	G	A	K	I

LGEMIAR	ELATLQAR	RLGEMIAR	R	L	G	A	R	L
LGHLLLNP	STVKKNPK	LNPALSLK	K	L	G	L	K	D
LGHLLLNP	STVKKNPK	PALSLKDR	K	L	G	D	R	N
LGLKFDDL	INLAGYKK	PIMQTALR	K	L	G	L	R	R
LHPVVTPK	EAKKEYAK	LHPVVTPK	K	L	H	P	K	D
LHQLDGIP	EQKEQIKR	QLDGIPHA	R	L	H	H	A	-
LIDEYGDD	EGSVIIGK	EYGDDFAK	K	L	I	A	K	G
LIKDPTSG	LNYVEVQK	IKDPTSGK	K	L	I	G	K	V
LIPFLEYL	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LKDTVASF	GIPGKLVR	KDTVASFK	R	L	K	F	K	A
LKLVEEAK	EQAQYEEK	LKLVEEAK	K	L	K	A	K	K
LKLVEEAK	EQAQYEEK	KLVEEAKK	K	L	K	K	K	E
LKNAVQN	SPAINYTK	LELNFDAV	K	L	K	V	K	D
LKPIEVEL	NKISANEK	KPIEVELR	R	L	K	L	R	R
LKYENEVA	RLAADDFR	YENEVALR	R	L	K	L	R	Q
LLANPETP	FGLFGLVR	LANPETPK	R	L	L	P	K	T
LLASAMEK	NGDSHVG	LLASAMEK	K	L	L	E	K	V
LLDAAVVG	DPLDSKSR	EHYDVASK	R	L	L	S	K	V
LLDNIQEY	ASRLQGIK	NHFSLSYK	K	L	L	Y	K	D
LLDTDTSM	LLEEGQLR	VPVDTHIR	R	L	L	I	R	F
LLEGEDAH	QEIATYRR	SGQSYSSR	R	L	L	S	R	E
LLIQNQDE	ASPIERVK	QNQDEML	K	L	L	L	K	Q
LLRDYQEL	QAKEDLAR	YQELMNTK	R	L	L	T	K	L
LNDKQTGL	LSTNVEAK	NTNNLQTK	K	L	N	T	K	L
LNDLEDAL	ALKDAKNK	EDALQQAK	K	L	N	A	K	E
LNDLEDAL	ALKDAKNK	QAKEDLAR	K	L	N	A	R	L
LNPVGVPN	WECGSVYK	VPNDDHH	K	L	N	H	H	-
LNQVSALC	KVDATPGR	QVSALIQR	R	L	N	Q	R	E
LNRPFTYA	TLDIVRKR	RPFTYAEK	R	L	N	E	K	I
LNSASAVA	AIEYLKAR	YLQAFVSK	R	L	N	S	K	T
LNYGWDK	NDLSVSGR	LNYGWDK	R	L	N	K	K	N
LPEDESYA	IMQTALRR	PEDESYAR	R	L	P	A	R	A
LPLQDVYK	RPTDKPLR	LPLQDVYK	R	L	P	Y	K	I
LPNSNVNI	AKATMNC	VNIEFATR	K	L	P	T	R	Y
LPSTTIVIK	PWIEDLRR	PSTTIVIKF	R	L	P	I	K	F
LQDVNSQF	PFELVKIRL	QDVNSQFI	R	L	Q	F	K	T
LQFALPHE	AAASSGLK	TQVNLPAK	K	L	Q	A	K	S
LQGEIAHV	ELNRVIQR	QGEIAHVK	R	L	Q	V	K	K
LQLGQLYE	ERAKSLLKL	LGAEVLIK	K	L	Q	I	K	G
LQLLKPFK	KVSPTSDR	PFKPWDGI	R	L	Q	G	K	D
LQQEDIDE	KIGLAQMK	EESADLAR	K	L	Q	A	R	T
LQVTTVR	AMSGEGEI	KLQVTTVR	K	L	Q	V	R	D
LRDDTLPK	AFLGSEVR	LRDDTLPK	R	L	R	P	K	A
LRKPIHAD	ERGPIKSK	EILETGIKV	K	L	R	I	K	V
LRSEIDNV	ELNRVIQR	SEIDNVKK	R	L	R	K	K	Q
LSDYIPGP	NPKKRPGK	YPNEQAAF	K	L	S	A	R	A
LSEPVHK	GSSFDALK	KLSEPVHK	K	L	S	H	K	L
LSESLPNQ	ETVASNQR	SLPNQVFK	R	L	S	F	K	N
LSGGVAVI	KLQERLAK	SGGVAVIR	K	L	S	I	R	V
LSHNQQLA	IVGSQVFK	QLAQFNNK	K	L	S	N	K	N

LSLGEAFK	EVLIKGSKL	LSLGEAFKK	K	L	S	F	K	K
LSLGEAFKK	EVLIKGSKL	SLGEAFKKI	K	L	S	K	K	I
LSSPATLNS	DNDIMLIKI	SPATLNSRV	K	L	S	S	R	V
LTGLALK				L	T	L	K	
LTISVTDTE	FTLKQWNF	VTDTEVER.	R	L	T	E	R	A
LTVNDFMF	VAPEKAIKL	LTVNDFMF	K	L	T	M	R	N
LVEDGIR	GSRFGLSRI	RLVEDGIRI	R	L	V	I	R	K
LVGSDVGC	MPSLFQAF	SDVGQGPI	R	L	V	P	R	D
LVLEVAQH	EIKTPQGKI	HLGENTVR	K	L	V	V	R	T
LVSQPQFA	PLEATRIRL	GLVGGFSR	R	L	V	S	R	I
LVSTIYEVA	FPDYELFKL	VAPGVLTK	K	L	V	T	K	H
LWDQDIAI	VKAWAGK	EGLLDYMR	R	L	W	M	R	I
LWIQELER	EKAKMREK	LWIQELERI	K	L	W	E	R	R
LYCVYVAV	NGSDESKK	VYVAVGQI	K	L	Y	Q	K	R
LYCVYVAV	NGSDESKK	YVAVGQKF	K	L	Y	K	R	S
LYQLNEFL	VTVDAGM	LNEFLGAK	R	L	Y	A	K	G
MDEAEQLI	KAKISAKK	EAEQLFYKI	K	M	D	Y	K	N
MIEQASEC	EPSEAVDK	SDKIDSNKS	K	M	I	N	K	S
MLDLQAFV	SLEPLGGRI	LDLQAFVR	R	M	L	V	R	R
MMMTSG	PLDTVRRR	MTSGQAV	R	M	M	V	K	Y
MNPQVSN	_____	LVMMQLS	-	M	N	S	R	R
MSGECAPI	LLEGEESR	TISGGGSR	R	M	S	S	R	G
MSNYLVQI	QNYHLSSK	LVQNYGTR	K	M	S	T	R	S
MTIAPITGT	_____	APITGTIKR	-	M	T	I	K	R
MTLDDFR	LLDIDNTR	RMTLDDFF	R	M	T	F	R	I
NAGDMIN	NAMDNAS	NAGDMIN	K	N	A	N	R	Y
NANPWGC	SDEYLKSK	GYSQVQSK	K	N	A	S	K	-
NAVQNES\	AINYTKLK	ELNFDAVK	K	N	A	V	K	D
NAVQNES\	AINYTKLK	FDAVKDFK	K	N	A	F	K	L
NDQQQAP	MGKQSGP	PADIKQGK	R	N	D	G	K	E
NEGATLIT	LKYVDIGK	TLITGGERL	K	N	E	E	R	L
NELITSLTP	ANLTPGLK	SLTPGVAK	K	N	E	A	K	S
NFDNPESG	IKTRIQNR	DNPESGLR	R	N	F	L	R	I
NGNEYNEF	GIYWYWV	YNEFLYSK	K	N	G	S	K	A
NGTAASEP	DAFYTQYK	SEPTPITK_	K	N	G	T	K	-
NIGSAPNA	PPKVVSSK	IGSAPNAK	K	N	I	A	K	R
NINDLLNK	PVYSDISR	NINDLLNK	R	N	I	N	K	D
NIQKNELL	TEVLSCLK	IQKNELLKY	K	N	I	L	K	Y
NKLNDLED	ENALKDAK	EDALQQAK	K	N	K	A	K	E
NKLNDLED	ENALKDAK	QAKEDLAR	K	N	K	A	R	L
NKLNDLEE	EHALKDAR	QAKEDLAR	R	N	K	A	R	L
NKYEDEIN	QDMVEDY	YEDEINKR	R	N	K	K	R	T
NLASPPNN	DAVREKIR	PIYGLELKS	R	N	L	L	K	S
NLDGYVVN	DAIVETHK	GYVVNLLK	K	N	L	L	K	V
NLDLDSIA	ILSMDNSR	DSIIAEVKA	R	N	L	V	K	A
NLDTTLYN	WGSVSLLK	NVVVVSPR	K	N	L	P	R	N
NLDVEATE	FYKNAETK	ATETGAPK	K	N	L	P	K	E
NLFNTNET	DQYQKIFK	NTNETTQK	K	N	L	Q	K	I
NLHTHPVA	LVHKSTGR	PVAAPVSK	R	N	L	S	K	T
NLLSYFTR	NTARESSK	NLLSYFTRA	K	N	L	T	R	A

NLSDLYTVI	QQLAKVNI	SDLYTVLKT	K	N	L	L	K	T
NLSLQTGT	LVNSIESKN	GTKPVLKKI	K	N	L	K	K	K
NMAEEFEY	SHTNEEVR	PDEQGNPI	R	N	M	P	K	K
NMLTTSLM	ETKESRFRI	TTSLMSIRF	R	N	M	I	R	R
NMQDMV	SRLDSELKI	QDMVEDY	K	N	M	Y	R	N
NPSGLPDS	DAILQMDF	SPLNDNSK	R	N	P	S	K	I
NPTVENFIE	GKATLLTRI	EATNLLEKA	R	N	P	E	K	A
NQHSFVFI	TAFYFANR	FVFNESNK	R	N	Q	N	K	V
NSSIDAAF	ALYQAAAK	AAFQSLQK	K	N	S	Q	K	V
NSVIDAIVE	PALSLKDRI	DAIVETHKI	R	N	S	H	K	N
NSVYMGSA	YDTASRYKI	LCPLEATRI	K	N	S	T	R	I
NTIVSSYNF	RDIKKGDK	TIVSSYNRN	K	N	T	N	R	N
NTLACICK	CAMNIGGI	NTLACICKI	R	N	T	C	K	I
NTSVIDKIE	SHYRSVLKI	DKIESYVKC	K	N	T	V	K	Q
NVAAGCNI	AIFTESVKN	GCNPMDLI	K	N	V	L	R	R
NVIITLPHS	RKPRAPMF	ITLPHSSKV	R	N	V	S	K	V
NVLIEQPF	ATLGPKGR	EQPFGPPK	R	N	V	P	K	I
NVSTGDVI	EEEMKDLR	TQLLNNMI	R	N	V	M	R	S
NVTMIDDL	WGFSTATF	DLIHFTLKC	R	N	V	L	K	Q
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYSPYYNT	KGPAAIQK	DLTVGNNI	K	N	Y	N	K	T
NYVLSQLEI	DASKENSR	DYLYYNKK	R	N	Y	K	K	S
PAINVGLS	ELFYKGIRP	NVGLSVSR	R	P	A	S	R	V
PFDELTVDI	LDNIQSARI	LTVDDLTKI	R	P	F	T	K	I
PGVTLGVG	LAYKQLLRF	GSSFDALKI	R	P	G	L	K	L
PHVASESN	SLSSPVFKP	ESNPIESRL	K	P	H	S	R	L
PLTIASDPI	STARMMA	SGFFGLQK	R	P	L	Q	K	K
PQSFTSIAR	_____	QSFTSIARI	M	P	Q	A	R	I
PSTTNTAA	_____	AAANVIEK	M	P	S	E	K	K
QAVWYISY	AQLTEPEK	SYGEWGPI	K	Q	A	P	R	R
QEYEQLIAI	TKTLNDMF	EYEQLIAKI	R	Q	E	A	K	N
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QGPVRPFI	PVPELDIKC	SAELASLRT	K	Q	G	L	R	T
QGVDADIN	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIAQQDAE	FTKAVEQK	IAQQDAER	K	Q	I	E	R	A
QIAQQDAC	FTNAVEAK	IAQQDAQF	K	Q	I	Q	R	A
QIIAGEGA	KGMVGSFI	YSIQGAFKF	K	Q	I	F	K	F
QIIENAGEE	KAITRPAK	EGSVIIGKL	K	Q	I	G	K	L
QIPYNIAK	GFTPILFKQ	QIPYNIAKF	K	Q	I	A	K	F
QISNLQQS	SEIDNVKK	SISDAEQR	K	Q	I	Q	R	G
QISNLQQS	SEIDNVKK	QRGENALK	K	Q	I	L	K	D
QKLPWAQ	IVSKLSERQ	AQLTEPEK	R	Q	K	E	K	Q
QKVELAHE	ESEAFELKC	VELAHEAK	K	Q	K	A	K	A
QLGFFGSF	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYKC	GSSFDALKI	K	Q	L	L	K	L
QLSLLLR	SKQAVAYR	RQLSLLLRR	R	Q	L	L	R	R
QNQYSPLA	ERLTQLLKC	LDGIELSRI	K	Q	N	S	R	I
QPVKDGPL	IKFSLKAKQ	LSTNVEAKI	K	Q	P	A	K	L
QSLEASLAE	LQSQLALK	SLAETEGR	K	Q	S	G	R	Y

QSLELVNP	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSLNFALK	SVYSNLYK	TEVLSCLK	K	Q	S	L	K	N
QSVEADIN	YENEVALR	ADINGLRR	R	Q	S	R	R	V
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L
QTGLGLTQ	VEAKLNDK	ANLTPGLK	K	Q	T	L	K	N
QVLDNLTN	DADINGLR	LDNLTMEK	R	Q	V	E	K	S
QVPENPM	GTTDIPLK	ADIQDILK	K	Q	V	L	K	E
QVQDFEEN	ATKKSVLK	EENDHPNF	K	Q	V	N	R	V
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RHLNDQPI	SQLAKAVR	VTIGDKIKN	R	R	H	I	K	M
RIANVVHF	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S
RLPEDESY	PIMQTALR	PEDESYAR	R	R	L	A	R	A
RLPSTTIVI	SPWIEDLR	PSTTIVIKF	R	R	L	I	K	F
RPVLNKGD	SYGEWGPF	GDSSFIAK	R	R	P	A	K	G
RQLLELQS	KKRNDEAR	EVDFSHYR	R	R	Q	Y	R	S
RSHGEVHY	EPVRTIARF	YDVDPENK	R	R	S	N	K	T
RSTVAQLV	VYVAVGQH	LEQHDAM	K	R	S	M	K	Y
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	R	S	L	K	A
RTGNIVDV	VKEGELVK	VGPGLLGR	K	R	T	G	R	V
RTGYVSNE	ERLEKEGR	GYVSNEER	R	R	T	E	R	I
RVNDLPTA	EKALRAAR	NDLPTAIR	R	R	V	I	R	V
RWENALR	KQKVNEM	RRWENALI	R	R	W	L	R	V
SAANKLDV	_____	ANKLDWA	K	S	A	A	K	V
SADEVINM	VVTVTKFK	SNINTALK	K	S	A	L	K	V
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	S	A	F	R	K
SAEDQLYA	VAEQCPVK	LYAITFRKG	K	S	A	R	K	G
SAELIGEAI	VRAQGEAK	LIGEAIKKS	K	S	A	K	K	S
SALEHNEV	MQSISPVK	ALEHNEVK	K	S	A	V	K	I
SATESFVA	KELLASLKS	TESFVATF_	K	S	A	T	F	-
SAVLNTTF	SLTPGVAK	TQPFFTAR	K	S	A	A	R	G
SDEETLIYF	TDTGVIHK	YFDNVYAR	K	S	D	A	R	T
SDGVAGLY	DVYKKTLK	DGVAGLYR	K	S	D	Y	R	G
SDLEMQYE	LDNLTMEK	EELMALKK	K	S	D	K	K	N
SEGWIPSS	EEGVLPWK	EGWIPSSR	K	S	E	S	R	R
SEIDNVKK	NRVIQRLR	SEIDNVKK	R	S	E	K	K	Q
SEITELRR	IEQISSYKS	SEITELRRN	K	S	E	R	R	N
SEVTELRR	SELVQSSR	SEVTELRR	R	S	E	R	R	V
SEYTDMLA	AKGYDASK	TGIIDPFKV	K	S	E	F	K	V
SFSSLYK	_____	MSFSSLYK	M	S	F	Y	K	T
SGLDQEQL	FVGWWM	DQEQLDAF	K	S	G	A	R	K
SHLQSNQL	EGMADLVI	PLDFALGK	K	S	H	G	K	S
SIIELEHYG	YMTREAPK	HYGVPFSR	K	S	I	S	R	T
SIQPYLQR	TNFYQQYK	SIQPYLQR	K	S	I	Q	R	S
SISISVAGG	LVGLGGTK	AAGGFGGI	K	S	I	G	R	G
SIVAQFDA	SIGNEVLK	AAELITQR	K	S	I	Q	R	E
SIVLKDKFE	KDGVTVAK	KFENMGA	K	S	I	A	K	L
SKAEAESLY	QNEDIAQK	AESLYQSK	K	S	K	S	K	Y
SKEEAEALY	QYEEIAQR	AEALYHSK	R	S	K	S	K	Y
SKELTTEID	AEAWFNEI	IEQISSYKS	K	S	K	Y	K	S

SKNANPW	LKSDEYLKS	GYSQVQSK	K	S	K	S	K	-
SKPFFWGL	DYEFMNIR	FFWGDGD	R	S	K	D	K	T
SKPFFWGL	DYEFMNIR	FWNPVVN	R	S	K	N	R	H
SLDFLNQSI	SLPGSTDK	NQSFIQQK	K	S	L	Q	K	A
SLKLENVVI	SKLVGQGK	NVVKPEIK	K	S	L	I	K	G
SLLEGEGSS	ENEIQTYR	GSSGGGGF	R	S	L	G	R	G
SLNNQFAS	SREREQIK	QFASFIDK	K	S	L	D	K	V
SLNNQFAS	SREREQIK	ASFIDKVR	K	S	L	V	R	F
SLPQGPAP	ANVVHFYK	QGPAPAIK	K	S	L	I	K	A
SLQDIIAIL	QETLQTYK	DELSEQDK	K	S	L	D	K	L
SLQDIIAIL	QETLQTYK	QDKLTVER	K	S	L	E	R	A
SLVNLGGS	AGGGFGSF	LVNLGGSK	R	S	L	S	K	S
SLWDSSEK	DGVVGLVK	NSQKIEAK	K	S	L	A	K	K
SMDILLRG	LACSVAEK	LLRGEWRK	K	S	M	R	K	Q
SMIEYLEA	TSVFPFNK	EYLEATGR	K	S	M	G	R	G
SNHNELLT	SSFLSYLK	NELLTEIRE	K	S	N	I	R	E
SNHNELLT	SSFLSYLK	LLTEIREKG	K	S	N	E	K	G
SPGEFQR	_____	RSPGEFQR	R	S	P	Q	R	Y
SPNIVFAD	VTLELGGK	FADAELKK	K	S	P	K	K	A
SPPVYSDIS	_____	PVYSDISRN	M	S	P	S	R	N
SPTFVGDL	GAFDLCLK	ISAGSISRY	K	S	P	S	R	Y
SPTGIVLM	NMQNAQK	MNMGGPS	R	S	P	S	K	V
SQGDDINE	ETRKVLQK	LQFVDPVK	K	S	Q	V	K	V
SQTDAFYT	QTASVLNR	DAFYTQYK	R	S	Q	Y	K	N
SQYEQLAE	TQLLNNMI	QLAEQNRK	R	S	Q	R	K	D
SSAGFADK	DLVINYLK	FADKIDGR	K	S	S	G	R	M
SSIICEFFK	LVQNYGTR	SIICEFFKES	R	S	S	F	K	E
SSLKTELQT	NVAAQAIR	QTASVLNR	R	S	S	N	R	S
SSSIEFLLTS	IFNLNTVK	FNTPAVQS	K	S	S	Q	S	-
STFNQIAVI	LNDNSKIK	QIAVMDPK	K	S	T	P	K	M
STGVENSG	LVRFASTR	GAGPTSFK	R	S	T	F	K	T
STLDREYIT	ELLGGTFK	DREYITLKA	K	S	T	L	K	A
STLGCPPTI	FGIYGSLK	IEIGGGGH_	K	S	T	G	H	-
STMQELNS	GILTANEK	TMQELNSF	K	S	T	S	R	L
STQEVITFE	VVPGFNIK	ITFENLLKQ	K	S	T	L	K	Q
STVAQLVQ	YVAVGQKF	LEQHDAM	R	S	T	M	K	Y
STVETFISS	LLSSAGAK	ADVLAMA	K	S	T	A	K	V
SVHEPVQT	APGILPRR	EPVQTGLK	R	S	V	L	K	A
SVYSNLYK	PPTVAQFK	SVYSNLYK	K	S	V	Y	K	Q
SYAYFMVC	NNDADKG	LLSSAGAK	R	S	Y	A	K	S
TAFKPHEL	ALADVLYK	ESVLPAAR	K	T	A	A	R	Y
TAQNLAEV	LQQKPVVK	TLIGPGAK	K	T	A	A	K	E
TATQEGVI	GILDCFKR	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	LDTILNQK	K	T	A	Q	K	R
TAVALDTIL	IGDRQTGK	DTILNQKR	K	T	A	K	R	W
TDGSAPGL	GLETLYSR	AGVSYLTR	R	T	D	T	R	Y
TELQTASVI	QAIRSSLK	QTASVLNR	K	T	E	N	R	S
TFESEAAH	ILVTPDGK	AAHGTVTF	K	T	F	T	R	H
TFEVINPST	FVPSKQNK	ICHIYEGRE	K	T	F	G	R	E
TFSFDDILK	KEVRPDIK	FSFDDILKL	K	T	F	L	K	L

TGDGDIEN	DATTITAKT	WATGNAP	K	T	G	P	R	E
TGHALLHT	RTCAVADR	TLYGQALR	R	T	G	L	R	H
TGLHFGR	YTSHLSSKT	KTGLHFGR	K	T	G	G	R	L
TGNIVDVP	KEGELVKR	VGPGLLGR	R	T	G	G	R	V
TGYVSNEE	RLEKEGRR	GYVSNEER	R	T	G	E	R	I
THNLEPYF	QQVDTSTF	ESFINNLRR	R	T	H	L	R	R
THNLEPYF	QQVDTSTF	SFINNLRRF	R	T	H	R	R	R
THQFDVLI	DLLDRLAK	CALDAATR	K	T	H	T	R	G
TIAMDGTE	HLGENTVR	DGTEGLVR	R	T	I	V	R	G
TIAMDGTE	HLGENTVR	EGLVRGEK	R	T	I	E	K	V
TIAPITGTI	_____	PITGTIKRR	M	T	I	K	R	R
TIEQSPSFG	EKPIFNAK	EQSPSFGK	K	T	I	G	K	F
TIEQSPSFG	EKPIFNAK	DTDANVPF	K	T	I	P	R	D
TIFEAENIP	KEITDSVR	DWETINIK	R	T	I	I	K	Q
TIIATGGYG	IHRFRAHK	IATGGYGR	K	T	I	G	R	A
TKYEHELA	RLAADDFR	YEHELALR	R	T	K	L	R	Q
TLEDELEV	VITIREGRT	LEVTEGMF	R	T	L	M	R	F
TLENEEEIK	RAELARMK	EEIKNLEKE	K	T	L	E	K	E
TLFWNPV	FFWGDGD	FWNPVVN	K	T	L	N	R	H
TLGQDYDE	VQLPTIYRT	LGQDYDEF	R	T	L	E	R	V
TLLDIDNTF	DLTVGNNK	LLDIDNTR	K	T	L	T	R	M
TLLEAIDAI	KAGVVKGK	RPTDKPLRI	K	T	L	L	R	L
TLLEGEESR	DLEIATYRT	LLEGEESR	R	T	L	S	R	M
TLNDMRQ	APGKDLTK	EYEQLIAK	K	T	L	A	K	N
TLNNEEIK	ERQKLPWK	TLNNEEIKA	K	T	L	I	K	A
TLTSSTMT	NKFWKQLI	SSTMTSIK	K	T	L	I	K	Y
TLVGVSHT	SLDRVAWF	SHTNEEVR	R	T	L	V	R	N
TMNKEWC	MAGGQDA	MNKEWQI	K	T	M	L	K	S
TNAENEFV	YEDEINKR	ENEFVTIKK	R	T	N	I	K	K
TNAENEFV	YEDEINKR	NEFVTIKKD	R	T	N	K	K	D
TNEAAGD	LLQEVASK	TSATVLGR	K	T	N	G	R	A
TNKDDKLN	GIRKITGKT	DKLNPFEK	K	T	N	E	K	I
TPHEIQEA	KPVFIRHR	SVDMSALK	R	T	P	L	K	D
TPIEVVK	QDVNSQF	KTPIEVVK	K	T	P	V	K	N
TPLDFLLR	SMQYEYCF	TPLDFLLRR	R	T	P	L	R	R
TPLPPAPA	MSSNAQV	LPPAPAPK	K	T	P	P	K	K
TPNFDDVL	LASKSTYR	PNFDDVLK	R	T	P	L	K	E
TPNFDDVL	LASKSTYR	NNDADKG	R	T	P	G	R	S
TPQDILLR	VNLLYGNK	TPQDILLR	K	T	P	L	R	K
TPTDDANA	MSWLFGD	GQDTTKPK	K	T	P	P	K	E
TQEFSQM	GVEISKQK	FSQMACE	K	T	Q	E	K	T
TQSQIEDF	RLKNQIVK	EDFKYNHK	K	T	Q	H	K	G
TREGNDLY	VFTGVGER	REGNDLYR	R	T	R	Y	R	E
TRLDYLSG	VPDQKLFK	RLDYLSGK	K	T	R	G	K	I
TSEVITELN	LSNYMIQR	TQYENSKR	R	T	S	K	R	E
TTSVWNP	YFDNVYAR	LWYNLLLR	R	T	T	L	R	N
TTTDHISM	ILIKAVGKT	SMAGPWL	K	T	T	L	K	Y
TTYENVDL	AKSIEGFKT	NVDLVLIR	K	T	T	I	R	E
TVDLSISTK	LIVELGDKT	VDLSISTK	K	T	V	T	K	I
TVFIQELIN	FGGAGVG	ELINNIAKA	K	T	V	A	K	A

TYMGWW	_____	WGHMGG	K	T	Y	P	K	Q
VAEEEERLE	RRWENALI	EEEERLEKE	R	V	A	E	K	E
VAFTGSTA	TNHPKIKK\	TGSTATGR	K	V	A	G	R	H
VAIGEVPFT	LPLPRDPR\	VPFTFGVR	R	V	A	V	R	T
VALPIGIIAS	KLIDVITKV/	QYSMYDVI	K	V	A	V	K	G
VALTGLTIA	EPPGARAR	LTIAEYFRD	R	V	A	F	R	D
VALTGLTIA	EPPGARAR	LFIDNIFRF	R	V	A	F	R	F
VALVFGQN	INLEGESKV	MNEPPGA	K	V	A	A	R	A
VAPTTGVV	DKKVILQK\	PTTGVVAK	K	V	A	A	K	Q
VAQYTVPV	_____	QYTVPVGK	M	V	A	G	K	A
VATVSLPR	SPATLNSR\	VATVSLPR	R	V	A	P	R	S
VDLLNQEIE	IKVELQSK\	NQEIEFLK\	K	V	D	L	K	V
VEEMVKK	IKPEIDAKV	KVEEMVKK	K	V	E	K	K	G
VEFEKPLLL	ITDPKSSKV	PLLLLSEKK	K	V	E	E	K	K
VELAHEAK	EAFELKQK\	VELAHEAK	K	V	E	A	K	A
VELALWDT	DVEVDGRF	AGQEDYDF	R	V	E	D	R	L
VEVNLAAIF	ADVLAMA	LAAIPLGKN	K	V	E	G	K	N
VFGLNNIQ	AVGDGIAR	VEFSSGVK	R	V	F	V	K	G
VGDGLLLIF	FISKALAKV	GDGLLLIRF	K	V	G	I	R	R
VGDPFDES	KAASESIKV	TSQMQLN	K	V	G	N	K	I
VGGASEVE	SGGVAVIR'	SEVEVGEK	R	V	G	E	K	K
VGGASEVE	SGGVAVIR'	EVEVGEKK	R	V	G	K	K	D
VGLIGSCTN	NNWPLDV	SSYEDMSR	R	V	G	S	R	S
VGQSLSIVS	LNLTQLSK\	VSNDELSK/	K	V	G	S	K	A
VHYQTTGF	FENEANW	PEIAHQTK	K	V	H	T	K	G
VIEFLSANK	GSQVAVEK	EFLSANKK	K	V	I	K	K	E
VIGAEAR	IKDPTSGK\	KVIGAEAR	K	V	I	A	R	D
VIIIDTDPN	KLNRDLSK\	DTDPNSYK	K	V	I	Y	K	L
VILDNEALL	ILASSPNRV	LNTVVDAR	R	V	I	A	R	I
VILNAVESL	DPNIDFER\	LNAVESLK	R	V	I	L	K	E
VINATPTM	VGETALSR'	IPPLILVRL	R	V	I	V	R	L
VLAGTTDIF	FFLPWQGK	GTTDIPLK	K	V	L	L	K	Q
VLAVGDGI	ANLNETGR	AVGDGIAR	R	V	L	A	R	V
VLDELTLTK	ADINGLRR'	LDELTLTKA	R	V	L	T	K	A
VLDEVVVD	TALVKASR\	VVDNFDQI	R	V	L	Q	K	L
VLDTGGPI	EGLVRGEK	PISVPVGR	K	V	L	G	R	E
VLEHLHST/	EENDHPNF	TPLSLPTR	R	V	L	T	R	G
VLFDDMVE	GGSIAMAF	ATTSQMAI	R	V	L	A	K	D
VLFDVSK	QNVAETTK	KVLFDVSK	K	V	L	S	K	E
VLFDVSKE	QNVAETTK	ESEAFELK	K	V	L	L	K	Q
VLPSIGNE\	LGLDYDER'	SIGNEVLK	R	V	L	L	K	S
VLPSIVNE\	LGQDYDER	SIVNEVLK	R	V	L	L	K	A
VLQQSISEI	GNPKFQEK	EIEQLLSKL	K	V	L	S	K	L
VLSRPDVV	QMVNITCF	VQLPTIYR	R	V	L	Y	R	T
VLYDAEISC	NQEIEFLK\	ILSMDNSR	K	V	L	S	R	N
VMFFLPW	DVRTSDGR	FFLPWQGK	R	V	M	G	K	V
VNAGTVW	TALKVADR	FNASGLGR	R	V	N	G	R	E
VNVFNINN	EGFSTLKK\	VFNINNNR	K	V	N	N	R	Y
VQALEEAN	RLASYLDK\	ANNDLENI	K	V	Q	N	K	I
VQETLQTY	EHYDVASK	QETLQTYK	K	V	Q	Y	K	S

VQSELGNP	LAKSVISRV	QSELGNPK	R	V	Q	P	K	F
VSDSGIVTL	ASSQVKAK	GIVTLAYK(	K	V	S	Y	K	Q
VSDVLNAS	FADARMKI	SDVLNASR	K	V	S	S	R	N
VSLQDIK	LLYDGVER'	RVSLQDIK[	R	V	S	I	K	D
VSLQDIKDI	LLYDGVER'	DIKDFADK'	R	V	S	D	K	V
VSLQDIKDI	LLYDGVER'	FADKVYTK	R	V	S	T	K	E
VSPEDPAV	RSIAKSNK\	MAGIEAEK	K	V	S	E	K	L
VTLVEALPI	PELSKEIKV	NILNMFDK	K	V	T	D	K	Y
VTMQNLN	GLLSGNEK'	TMQNLND	K	V	T	D	R	L
VVDALGNF	VGPGLLGR	LGNPIDGK(	R	V	V	G	K	G
VVDALGNF	VGPGLLGR	GPIDAAGR	R	V	V	G	R	S
VVDLLAPY/	EILETGIKV\	DLLAPYAR(	K	V	V	A	R	G
VVGFETGR	LKTRYLLKV	VVGFETGR	K	V	V	G	R	I
VVPGYGH/	WDTLNAG	GYGHAVLF	R	V	V	L	R	K
VVPVLTGL/	RVNKKGSK	ALASIFAKK	K	V	V	A	K	K
VYTKENLE\	DIKDFADK'	VVEADLKR	K	V	Y	K	R	F
VYVEESIYD	EVCCAGSR	VEESIYDKF	R	V	Y	D	K	F
VYVEESIYD	EVCCAGSR	DKFIEEFKA	R	V	Y	F	K	A
VYWPFFVA	RFPTPILKV	AVYYGMSI	K	V	Y	S	K	A
WDVPGYK(	EEMVKKGI	DVPGYKDF	K	W	D	D	R	F
WENMPST	AVMDLQSI	EQQDIVSK	R	W	E	S	K	L
WLISQEAI\	NNKIIGSR\	DTIMNMT(	R	W	L	T	K	G
WQGKPVF	LGKNVVVK	QGKPVFIR(	K	W	Q	I	R	H
YAGILDCFI	KQGTLDRK	AGILDCFKF	K	Y	A	F	K	R
YAGILDCFI	KQGTLDRK	GILDCFKRT	K	Y	A	K	R	T
YAMALSYF	ISAGSISRY/	MALSYFAK	R	Y	A	A	K	D
YDGAFDCL	MTSGQAV	DGAFDCLR	K	Y	D	L	R	K
YDGAFDCL	MTSGQAV	GAFDCLRK	K	Y	D	R	K	I
YDNIPEHA(	FKAVLEGK'	GIEDVVAK,	K	Y	D	A	K	A
YDYAVAEC	ESVLPAAR'	VAEQCPVK	R	Y	D	V	K	S
YECLQPSG'	ASAQFFLK'	LQPSGSFK'	K	Y	E	F	K	S
YEELQITAC	AESLYQSK\	ELQITAGR(	K	Y	E	G	R	H
YEKEFDEA\	TFEEFTAR\	YDLFEVQR'	R	Y	E	Q	R	V
YFPTQALN	GNTANVIR	QALNFAFK	R	Y	F	F	K	D
YFPTQALN	GNTANVIR	LNFAFKDK(	R	Y	F	D	K	I
YGAYGIQLI	IQKNELLKY	SVGEIIGRR	K	Y	G	G	R	R
YGTIIDIFPF	EIYSLFRRY(	AANNNVA	R	Y	G	A	K	V
YIPQAGIPP	LSALYVSKY	NIVSGFGK(	K	Y	I	G	K	I
YKESPEFK	EWEEEFIK\	YKESPEFKL	K	Y	K	F	K	L
YKVENEDC	IRVFEALKY	VENEDQYK	K	Y	K	Y	K	A
YLAPAYK	GFTGLVAK	KYLAPAYK(	K	Y	L	Y	K	D
YLAPAYKD(	GFTGLVAK	YKDFADAR	K	Y	L	A	R	M
YLCEVNKV(	TLVPESPR\	VNKVEDAK	R	Y	L	A	K	R
YLCEVNKV(	TLVPESPR\	NKVEDAKF	R	Y	L	K	R	S
YLENCNPR	GFFGLQKK	YLENCNPR	K	Y	L	P	R	D
YLPDASSQ'	VNIEFATR\	PDASSQVK	R	Y	L	V	K	A
YLVDYAQD	NILNMFDK	QDLFKEEK(	K	Y	L	E	K	I
YPFTIGELK	LVNFDTFR'	PFTIGELKY	R	Y	P	L	K	Y
YQVTVIDA(	LWKFETPK	VIDAPGHR	K	Y	Q	H	R	D
YSIIVAATA(	LEQHDAM	ASIGEWFR	K	Y	S	F	R	D

YSILYNR	NAGDMIN	RYSILYNRT	R	Y	S	N	R	T
YTNPLFMC	GFMHLYLK	MQSISPVK	K	Y	T	V	K	S
YTVSFIEGD	KPNPSTGK	GIGPEISKS	K	Y	T	S	K	S
YVDIGKNE	MQLNKILK	TLITGGERL	K	Y	V	E	R	L
YVEPGNAI	KNDMTTM	AMSGEGEI	K	Y	V	E	K	L
YVEPGNAI	KNDMTTM	KLQVTTVR	K	Y	V	V	R	D
YYWGGPD	SSTMTSIK	GPDDNHQ	K	Y	Y	Q	R	K

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
3	1	0	0	0	0	0	0	0
2	1	0	0	0	0	1	1	0
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3	0	1	0	0	1	2	0	0
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6	1	1	0	0	1	0	1	0
1	2	0	0	0	0	3	1	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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0	1	1	1	0	1	1	2	0
0	0	0	0	0	1	0	0	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	1	0	8	0	777,4497	sp|P09457	sp|P09457	21
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	2	0	7	0	748,4119	sp|P50085	sp|P50085	227
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
0	1	0	20	0	2114,068	sp|P32843	sp|P32843	734
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
2	0	0	13	0	1554,726	sp|P00425	sp|P00425	68
1	0	0	18	0	2095,04	CON__P13	CON__P13	267
1	0	0	19	1	2223,135	CON__P13	CON__P13	267
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
0	0	0	13	0	1366,625	sp|P40961	sp|P40961	216
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	15	0	1647,764	sp|P46367	sp|P46367	94
0	3	0	13	0	1293,657	sp|P32843	sp|P32843	492
2	1	0	17	0	1750,937	sp|P21306	sp|P21306	7
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
0	1	0	8	0	893,4858	sp|P19882	sp|P19882	119
0	1	0	12	0	1306,797	sp|P00890	sp|P00890	440
2	0	0	9	0	1213,592	sp|P00410	sp|P00410	119
1	1	0	7	0	848,4756	sp|P40961	sp|P40961	66
0	0	0	7	0	728,4545	sp|P00854	sp|P00854	180
0	0	0	7	0	832,4477	sp|Q00711	sp|Q00711	337
0	0	0	18	1	1851,058	sp|P05626	sp|P05626	48
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235
0	1	0	12	0	1300,651	CON__P02	CON__P08	137
1	0	0	12	0	1380,641	CON__P13	CON__P13	166
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
0	1	0	10	1	1013,623	sp|P07251	sp|P07251	419
1	1	0	17	2	1905,12	sp|P07251	sp|P07251	419
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
0	0	0	7	1	827,4364	sp|P18239	sp|P18239	113
1	0	0	11	0	1298,611	sp|P21801	sp|P21801	225
0	0	0	7	0	731,4178	sp|Q12233	sp|Q12233	16
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	0	0	16	0	1651,926	sp|P05626	sp|P05626	50
1	1	0	10	0	1209,57	sp|P32843	sp|P32843	406
0	2	0	17	0	1907,963	sp|P00401	sp|P00401	494
0	0	0	8	0	832,3828	sp|P19882	sp|P19882	299
0	0	0	9	1	960,4777	sp|P19882	sp|P19882	299
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170
0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
0	0	0	13	0	1457,675	sp|P41832	sp|P41832	1743

2	1	0	20	0	2203,141	sp|P00128	sp|P00128	96
0	1	0	13	0	1441,764	sp|P32843	sp|P32843	153
1	0	0	9	0	1106,536	CON__P35	CON__P35	360
0	1	0	7	0	718,4014	sp|P32843	sp|P32843	178
2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
0	0	0	11	0	1219,593	CON__P02	CON__P08	355
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
3	2	0	21	1	2431,268	sp|P07257	sp|P07257	91
0	0	0	9	0	1014,535	sp|P00425	sp|P00425	26
0	0	0	19	1	2284,116	sp|P00425	sp|P00425	26
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189
0	1	0	10	1	1036,603	sp|P00890	sp|P00890	452
0	1	0	10	0	1053,546	sp|P28834	sp|P28834	325
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
2	2	0	22	0	2443,162	sp|P46367	sp|P46367	308
0	2	0	15	0	1644,895	sp|P50085	sp|P50085	160
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	1	0	21	0	2291,936	sp|Q00711	sp|Q00711	253
1	1	0	10	1	1220,64	sp|P00427	sp|P00427	123
1	2	0	14	0	1559,758	sp|Q1234	sp|Q1234	84
1	0	0	9	0	992,4927	sp|P37299	sp|P37299	2
0	0	0	16	1	1804,863	sp|P54783	sp|P54783	359
1	1	0	9	0	1187,474	sp|P04037	sp|P04037	134
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
0	1	0	20	1	2176,145	sp|P38077	sp|P38077	169
0	0	0	17	2	1803,921	sp|P21954	sp|P21954	66
3	2	0	16	0	1870,935	sp|P07257	sp|P07257	96
0	1	0	16	0	1921,942	sp|P00830	sp|P00830	278
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
0	3	0	13	0	1332,708	sp|P32843	sp|P32843	137
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
1	1	0	10	0	1180,576	sp|P04039	sp|P04039	32
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	20	2	2250,085	sp|P19414	sp|P19414	513
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
1	1	0	13	2	1540,789	sp|P53721	sp|P53721	106
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	1	0	10	0	1248,596	sp|P50085	sp|P50085	115
0	1	0	10	0	1174,638	sp|P40961	sp|P40961	86
0	0	0	13	0	1459,727	sp|P30902	sp|P30902	117
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132
0	1	0	8	0	917,4641	sp|P32191	sp|P32191	345
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291
0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
0	1	0	18	0	1870,866	sp|P32843	sp|P32843	53
0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	17	1	1902,965	sp|P05626	sp|P05626	140

0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	0	0	11	1	1308,606	sp|P19882	sp|P19882	416
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
1	1	0	9	1	1094,511	sp|P54837	sp|P54837	68
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
0	1	0	8	0	979,4433	sp|P32799	sp|P32799	46
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
1	1	0	9	0	1085,562	sp|P00163	sp|P00163	71
0	1	0	19	0	2161,992	sp|P81449	sp|P81449	64
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	1	0	18	1	2246,006	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q02776	sp|Q02776	134
1	0	0	8	0	1086,48	sp|P32799	sp|P32799	95
1	1	0	10	0	1194,515	sp|P29704	sp|P29704	226
1	0	0	9	0	1140,512	CON__P04	CON__P04	464
1	0	0	8	1	993,488	sp|P19414	sp|P19414	646
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
1	1	0	7	1	921,492	sp|P50085	sp|P50085	264
0	3	0	20	0	2153,158	sp|Q12165	sp|Q12165	141
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
0	2	0	13	0	1445,627	sp|P46367	sp|P46367	81
0	3	0	15	1	1666,916	sp|P32191	sp|P32191	409
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
1	0	0	9	0	1152,494	sp|P81449	sp|P81449	34
1	1	0	13	0	1659,742	sp|P00427	sp|P00427	59
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
0	1	0	7	1	829,4658	sp|P07251	sp|P07251	121
1	0	0	8	0	979,4763	sp|Q03028	sp|Q03028	75
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
0	1	0	12	0	1313,698	sp|Q12233	sp|Q12233	41
0	1	0	16	0	1700,822	sp|P04037	sp|P04037	53
1	1	0	22	0	2397,055	sp|P00410	sp|P00410	214
0	1	0	7	0	786,46	sp|P19882	sp|P19882	193
0	0	0	8	0	921,4668	sp|P19414	sp|P19414	669
0	0	0	9	0	1059,52	sp|P00425	sp|P00425	45
1	0	0	23	0	2509,125	CON__P35	CON__P35	450
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
1	0	0	10	1	1254,625	sp|P07255	sp|P07255	45
0	0	0	14	2	1543,882	sp|P07251	sp|P07251	522
0	0	0	7	0	814,4549	sp|P07251	sp|P07251	202
0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105
0	1	0	22	1	2339,252	sp|P38077	sp|P38077	105
0	0	0	16	1	1829,948	sp|P30902	sp|P30902	114
0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	7	0	772,4695	sp|P07251	sp|P07251	529
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
1	0	0	17	0	1995,964	CON__P13	CON__P13	346
0	1	0	15	1	1662,814	sp|P00830	sp|P00830	233

1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	1	0	17	0	1829,941	sp|P40341	sp|P40341	438
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	1	0	13	0	1522,74	sp|P05626	sp|P05626	164
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
0	2	0	13	0	1360,683	CON__P02	CON__P02	316
2	2	0	15	0	1698,887	sp|P19516	sp|P19516	163
0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
0	0	0	7	0	826,4225	CON__P35	CON__P35	195
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
0	1	0	11	0	1275,61	sp|P38077	sp|P38077	230
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	0	0	8	0	1010,482	sp|P07257	sp|P07257	223
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	0	0	12	0	1442,745	sp|P32563	sp|P32563	143
0	1	0	14	0	1663,769	sp|P17505	sp|P17505	175
0	0	0	10	1	1182,596	sp|P32799	sp|P32799	33
0	0	0	11	1	1306,729	sp|P53721	sp|P53721	45
0	1	0	12	0	1474,778	CON__P04	CON__P04	200
0	0	0	8	0	1077,513	sp|P00410	sp|P00410	244
0	0	0	10	0	1065,622	sp|P19414	sp|P19414	677
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	3	0	21	1	2275,273	sp|P00830	sp|P00830	446
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
0	0	0	7	0	814,4953	sp|P81450	sp|P81450	5
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
1	0	0	8	1	1041,55	sp|P37299	sp|P37299	51
1	0	0	16	0	1898,941	sp|P32843	sp|P32843	204
0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294
0	2	0	13	0	1302,718	sp|P28834	sp|P28834	29
0	1	0	10	0	1152,593	sp|P22855	sp|P22855	333
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	1	0	9	1	1100,613	sp|P07143	sp|P07143	300
0	3	0	20	0	2112,162	sp|P00410	sp|P00410	177
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P40341	sp|P40341	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21

3	0	0	31	0	2382,945	CON__P04	CON__P04	519
2	0	0	32	0	2704,154	CON__P35	CON__P35	64
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
2	0	0	23	0	1790,72	CON__P35	CON__P35	491
1	0	0	21	1	2329,149	sp|P19414	sp|P19414	605
0	1	0	13	0	1528,754	sp|P32843	sp|P32843	275
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397
1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
2	1	0	13	0	1383,703	sp|P08525	sp|P08525	23
2	2	0	28	1	3111,593	sp|P08525	sp|P08525	23
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
0	1	0	26	1	2510,432	sp|P38325	sp|P38325	100
1	1	0	9	1	1048,534	sp|P30902	sp|P30902	157
1	1	0	11	2	1319,662	sp|P30902	sp|P30902	157
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
1	1	0	13	0	1401,725	sp|P07257	sp|P07257	154
0	2	0	9	0	941,5546	sp|P32191	sp|P32191	90
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
1	0	0	18	0	1944,947	sp|P08067	sp|P08067	194
1	2	0	22	1	2313,189	sp|P08067	sp|P08067	194
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
0	1	0	16	1	1819,911	sp|P32843	sp|P32843	390
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372
1	0	0	15	1	1684,816	sp|P19882	sp|P19882	372
1	3	0	17	1	1845,959	sp|P36060	sp|P36060	99
0	0	0	10	1	1227,636	sp|P32843	sp|P32843	185
2	0	0	20	0	1739,698	CON__P35	CON__P35	531
1	5	0	36	0	3685,848	sp|P00830	sp|P00830	335
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138
1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	2	0	13	1	1469,792	sp|P46367	sp|P46367	400
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300
0	1	0	15	1	1644,814	sp|P30902	sp|P30902	99
0	1	0	12	0	1490,741	sp|P32843	sp|P32843	394
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
0	1	0	16	0	1836,958	CON__P35	CON__P35	375
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
2	0	0	17	1	1867,87	sp|P00044	sp|P00044	45
0	4	0	23	2	2566,335	sp|P05626	sp|P05626	134
0	1	0	9	0	1121,525	sp|P32799	sp|P32799	86
0	0	0	11	0	1091,389	sp|P22289	sp|P22289	56
1	2	0	9	0	1089,597	sp|Q0640[illegible]	sp|Q0640[illegible]	30

0	3	0	14	0	1394,85	sp|P46367	sp|P46367	202
0	1	0	17	0	1782,926	sp|P09457	sp|P09457	121
0	1	0	7	0	758,4538	sp|P07256	sp|P07256	410
0	1	0	8	0	855,5066	sp|P00410	sp|P00410	236
0	0	0	8	0	972,524	CON__P04	CON__P04	396
0	0	0	12	1	1547,825	sp|P10174	sp|P10174	11
0	4	0	37	0	4015,029	sp|P28241	sp|P28241	58
0	1	0	21	0	2108,138	sp|Q04013	sp|Q04013	219
1	0	0	7	0	820,4695	sp|P00128	sp|P00128	11
1	0	0	13	0	1518,761	sp|P07251	sp|P07251	498
0	1	0	11	0	1245,635	sp|Q2V2P9	sp|Q2V2P9	24
0	1	0	12	1	1401,737	sp|Q2V2P9	sp|Q2V2P9	24
0	1	0	11	0	974,5549	sp|P00830	sp|P00830	186
0	6	0	28	0	2915,543	sp|Q12165	sp|Q12165	61
0	0	0	10	1	1087,592	sp|Q12522	sp|Q12522	58
0	1	0	12	0	1366,746	sp|P00830	sp|P00830	128
0	1	0	16	1	1761,999	sp|P00830	sp|P00830	128
0	0	0	20	0	2282,173	CON__P00	CON__P00	78
0	0	0	12	1	1451,726	sp|P21801	sp|P21801	73
1	0	0	7	1	994,5124	CON__P13	CON__P13	178
0	1	0	15	1	1601,801	sp|P07251	sp|P07251	53
0	0	0	8	1	912,528	sp|P30902	sp|P30902	142
0	2	0	14	2	1627,886	sp|P30902	sp|P30902	142
0	0	0	8	0	856,4767	sp|P50085	sp|P50085	280
0	0	0	19	1	2164,2	sp|P32563	sp|P32563	334
1	0	0	20	1	2245,204	sp|P23641	sp|P23641	160
0	0	0	12	0	1321,636	sp|Q07349	sp|Q07349	359
1	0	0	10	0	1248,646	sp|P36112	sp|P36112	424
0	0	0	11	0	1323,678	sp|P53721	sp|P53721	3
1	0	0	16	0	1875,923	sp|P19414	sp|P19414	65
0	1	0	10	0	1029,582	sp|P32843	sp|P32843	831
0	0	0	19	1	2082,063	sp|P37299	sp|P37299	59
1	1	0	21	0	2259,157	sp|P00830	sp|P00830	308
1	1	0	10	0	1203,65	sp|P23641	sp|P23641	45
0	0	0	14	0	1607,798	sp|Q02776	sp|Q02776	422
0	3	0	12	0	1202,651	sp|Q99297	sp|Q99297	239
1	0	0	11	1	1433,763	CON__P13	CON__P13	440
1	1	0	25	1	2828,427	sp|P38077	sp|P38077	195
0	0	0	18	0	1983,064	sp|P19882	sp|P19882	248
0	1	0	7	0	730,4589	sp|P07257	sp|P07257	28
0	0	0	14	1	1467,793	sp|P30902	sp|P30902	22
1	0	0	12	0	1280,589	sp|P00890	sp|P00890	238
0	2	0	12	0	1189,671	sp|P18239	sp|P18239	275
0	1	0	11	0	1177,646	sp|P46367	sp|P46367	250
0	4	0	15	1	1657,966	sp|P46367	sp|P46367	417
0	1	0	10	1	1076,598	sp|P07256	sp|P07256	241
0	1	0	9	1	1042,602	sp|P32843	sp|P32843	636
2	1	0	18	1	1879,032	sp|P21306	sp|P21306	6
0	1	0	16	1	1580,925	sp|P23641	sp|P23641	247
0	0	0	15	1	1581,809	sp|P32795	sp|P32795	535

1	0	0	12	2	1436,701	sp|P19882	sp|P19882	415
0	2	0	20	1	2096,098	sp|P18239	sp|P18239	19
1	0	0	14	1	1645,81	sp|P23641	sp|P23641	99
0	1	0	10	2	1228,708	sp|P07143	sp|P07143	299
1	1	0	13	2	1480,763	sp|P19414	sp|P19414	459
1	1	0	10	2	1176,629	sp|P30902	sp|P30902	156
1	1	0	14	1	1529,82	sp|P07257	sp|P07257	153
1	0	0	19	1	2073,042	sp|P08067	sp|P08067	193
1	5	0	37	1	3813,943	sp|P00830	sp|P00830	334
2	0	0	17	2	2042,998	sp|P04037	sp|P04037	91
0	0	0	7	1	996,5141	sp|P32843	sp|P32843	358
0	1	0	8	1	886,5488	sp|P07256	sp|P07256	409
0	0	0	20	2	2210,158	sp|P37299	sp|P37299	58
0	0	0	19	1	2111,159	sp|P19882	sp|P19882	247
0	1	0	7	1	785,5011	sp|P07257	sp|P07257	303
0	1	0	8	2	913,5961	sp|P07257	sp|P07257	303
0	0	0	11	1	1210,649	sp|P40086	sp|P40086	282
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235
2	3	0	13	2	1582,865	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
0	1	0	9	1	943,5702	sp|P46367	sp|P46367	286
0	0	0	11	2	1355,745	sp|P32843	sp|P32843	803
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
1	0	0	9	2	1193,604	CON__P35	CON__P35	273
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	2	0	11	0	1145,645	sp|P28241	sp|P28241	210
0	1	0	22	1	2413,259	sp|P46367	sp|P46367	115
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
1	0	0	7	0	808,4331	CON__P35	CON__P13	157
1	1	0	9	1	1063,603	CON__P02	CON__P13	157
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
1	1	0	16	1	1984,887	CON__P04	CON__P04	252
2	1	0	12	0	1453,659	sp|P07213	sp|P07213	392
0	0	0	11	0	1201,671	sp|P04840	sp|P04840	85
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
0	1	0	16	1	1790,905	sp|P04037	sp|P04037	75
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	0	0	10	0	1219,587	sp|Q2V2P4	sp|Q2V2P4	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
0	0	0	16	2	1990,985	sp|P07213	sp|P07213	311
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29
1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
0	1	0	20	0	2210,097	CON__P00	CON__P00	58

0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	2	0	8	0	889,5385	sp|P81449	sp|P81449	56
0	0	0	10	0	1099,577	sp|Q8TGU	sp|Q8TGU	59
1	0	0	11	0	1284,587	sp|P19882	sp|P19882	491
0	0	0	9	1	957,5495	sp|P32191	sp|P32191	250
1	0	0	14	0	1663,919	sp|Q0277(	sp|Q0277(	323
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
0	1	0	8	1	928,5593	sp|P81449	sp|P81449	43
0	1	0	9	2	1056,654	sp|P81449	sp|P81449	43
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
0	1	0	9	1	1095,665	sp|P54837	sp|P54837	137
1	1	0	10	1	1233,672	CON__P13	CON__P13	236
0	0	0	9	0	981,5495	sp|P00425	sp|P00425	112
0	0	0	8	0	861,463	sp|P19882	sp|P19882	182
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	3	0	17	0	1910,977	sp|P00410	sp|P00410	160
1	0	0	22	0	2349,083	CON__P08	CON__P08	420
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
1	0	0	12	1	1522,781	CON__P04	CON__P04	461
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	0	0	12	0	1356,689	CON__P04	CON__P04	444
0	0	0	17	1	1940,98	CON__P04	CON__P04	444
0	2	0	13	0	1449,675	sp|P04037	sp|P04037	143
0	1	0	10	0	1140,662	sp|P00410	sp|P00410	204
1	0	0	10	1	1237,646	sp|P19414	sp|P19414	55
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38
1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
0	1	0	13	0	1473,758	sp|P04840	sp|P04840	212
0	1	0	9	0	970,6063	sp|P32843	sp|P32843	195
0	1	0	9	0	1077,546	sp|Q03028	sp|Q03028	150
1	2	0	24	0	2641,375	sp|Q12165	sp|Q12165	34
0	1	0	9	0	993,5607	CON__P35	CON__P35	412
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	0	0	13	2	1568,908	sp|P19414	sp|P19414	562
0	0	0	21	0	2405,16	sp|P07213	sp|P07213	553
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	8	1	956,5291	sp|P07256	sp|P07256	251
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
2	0	0	16	0	1789,864	sp|P07143	sp|P07143	151
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	1	0	11	0	1260,671	sp|P32843	sp|P32843	566
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129

0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	9	1	991,5702	sp|P07256	sp|P07256	401
0	0	0	10	0	1044,556	CON__P00	CON__P00	98
0	0	0	7	0	714,464		REV__sp|P32380|SP1	
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
0	1	0	8	0	994,4906	sp|Q1248	sp|Q1248	605
0	1	0	7	0	800,4392	sp|Q0401	sp|Q0401	195
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79
0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143
1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
0	0	0	8	0	1085,587	sp|Q0371	sp|Q0371	109
2	3	0	11	0	1298,669	sp|P07251	sp|P07251	236
2	3	0	12	1	1454,77	sp|P07251	sp|P07251	236
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
1	0	0	10	0	1272,57	sp|P38077	sp|P38077	77
0	0	0	22	1	2555,225	sp|P32843	sp|P32843	683
0	1	0	9	0	1091,58	sp|P32843	sp|P32843	660
0	1	0	10	0	1082,492	sp|P18239	sp|P18239	255
0	2	0	19	0	2217,151	sp|P38264	sp|P38264	1
0	3	0	26	0	2564,16	CON__P04	CON__P04	493
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
0	0	0	11	0	1144,653	sp|P07255	sp|P07255	1
0	0	0	7	0	896,4062	CON__P35	CON__P35	234
0	0	0	8	0	889,4076	sp|P38077	sp|P38077	276
1	1	0	14	0	1534,717	sp|P00425	sp|P00425	138
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	3	0	23	1	2550,26	sp|P07257	sp|P07257	325
0	0	0	18	1	1977,994	sp|P13186	sp|P13186	52
0	0	0	12	0	1216,605	sp|P46367	sp|P46367	384
0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	0	0	10	0	1147,526	sp|P38988	sp|P38988	242
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	0	0	13	0	1285,651	sp|P21306	sp|P21306	50
0	0	0	9	0	870,4559	sp|Q0640	sp|Q0640	20
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	9	1	1098,64	sp|Q1223	sp|Q1223	78
0	0	0	14	1	1598,826	CON__P04	CON__P04	442
0	0	0	19	2	2183,118	CON__P04	CON__P04	442
0	0	0	19	2	2197,134	CON__P35	CON__P35	446
1	0	0	10	2	1307,647	CON__P04	CON__P04	268
1	0	0	16	0	1738,925	sp|P32843	sp|P32843	114
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P35	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
0	0	0	11	0	1308,631	sp|Q9929	sp|Q9929	109
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
1	0	0	8	0	1012,534	sp|P32843	sp|P32843	170

1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
0	0	0	11	0	1265,647	sp|P32843	sp|P32843	473
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
0	1	0	12	0	1449,664	sp|P36060	sp|P36060	34
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47
0	2	0	12	0	1324,699	sp|P09457	sp|P09457	85
1	1	0	26	0	2800,323	sp|P23641	sp|P23641	115
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463
0	0	0	8	0	978,4627	sp|P21801	sp|P21801	103
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	12	0	1316,597	sp|P19882	sp|P19882	127
0	1	0	11	0	1207,693	sp|P40086	sp|P40086	458
0	1	0	12	0	1337,734	sp|P19882	sp|P19882	58
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
3	2	0	25	1	2901,403	CON__P35	CON__P35	200
4	1	0	16	1	2052,02	sp|P32843	sp|P32843	590
0	2	0	11	0	1111,635	sp|P07251	sp|P07251	400
0	1	0	12	0	1391,682	sp|P30902	sp|P30902	130
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	1	0	13	0	1421,69	sp|P40086	sp|P40086	67
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
0	0	0	9	0	1005,524	sp|P00128	sp|P00128	2
0	1	0	14	0	1415,726	sp|Q04013	sp|Q04013	2
2	1	0	14	0	1710,815	sp|P00424	sp|P00424	70
1	0	0	9	0	1120,576	CON__P35	CON__P35	328
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
0	2	0	20	1	2152,164	sp|P33775	sp|P33775	23
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
0	0	0	9	0	1057,515	sp|P40961	sp|P40961	189
0	0	0	9	0	1056,531	sp|P50085	sp|P50085	218
1	0	0	29	0	2849,533	sp|P23641	sp|P23641	62
0	1	0	16	0	1655,873	sp|P19882	sp|P19882	475
1	0	0	8	0	945,5284	sp|P23641	sp|P23641	180
0	0	0	15	0	1715,844	CON__P04	CON__P04	418
0	0	0	21	1	2328,167	CON__P04	CON__P04	418
0	0	0	13	1	1566,841	sp|P00424	sp|P00424	57
0	1	0	10	1	1151,63	sp|P05626	sp|P05626	177
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	0	0	7	0	841,5385	sp|P07251	sp|P07251	317
2	2	0	31	0	3410,711	sp|P07251	sp|P07251	467
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	0	0	13	0	1389,674	CON__P13	CON__P13	387

0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
0	1	0	17	1	1947,05	sp|Q1223	sp|Q1223	61
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66
0	0	0	30	1	3243,689	sp|P04840	sp|P04840	66
0	1	0	10	0	1189,601	CON__P35	CON__P35	262
0	1	0	18	0	2037,009	sp|P32191	sp|P32191	379
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
0	1	0	19	2	2146,15	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q0640	sp|Q0640	29
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	1	0	10	1	1126,707	sp|P32843	sp|P32843	194
0	1	0	14	2	1530,852	sp|P00424	sp|P00424	84
1	1	0	19	1	2345,176	sp|P30902	sp|P30902	42
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
0	2	0	18	1	2054,058	sp|P07251	sp|P07251	247
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
0	3	0	17	1	1718,979	sp|P07251	sp|P07251	127
1	1	0	10	1	1209,574	sp|P53721	sp|P53721	207
0	1	0	10	1	1153,657	sp|P00427	sp|P00427	97
0	0	0	7	1	943,4988	sp|P53721	sp|P53721	187
0	0	0	10	1	1102,577	sp|P30902	sp|P30902	6
1	1	0	30	0	3118,488	sp|P46367	sp|P46367	434
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	0	0	13	1	1540,789	sp|P07257	sp|P07257	141
0	0	0	11	1	1157,666	sp|P50085	sp|P50085	251
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
2	1	0	15	0	1833,842	sp|P32843	sp|P32843	71
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
1	0	0	19	1	2298,112	CON__P35	CON__P35	272
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	1	0	8	1	931,4975	CON__P04	CON__P04	410
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
0	1	0	8	1	988,5302	CON__P08	CON__P08	331
1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
1	0	0	7	0	830,4174	sp|P22289	sp|P22289	2
0	0	0	11	0	1230,584	sp|P40086	sp|P40086	221
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
1	0	0	8	0	1003,545	sp|P21801	sp|P21801	146
0	1	0	22	0	1837,907	CON__P35	CON__P35	71
0	1	0	15	0	1660,878	sp|P40961	sp|P40961	131
0	1	0	14	2	1578,844	sp|P19882	sp|P19882	80
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
1	0	0	12	1	1390,673	CON__P35	CON__P35	369
1	0	0	19	1	2211,091	CON__P13	CON__P13	344

1	1	0	16	1	1749,843	sp|P00425	sp|P00425	136
0	0	0	11	1	1282,598	sp|P32799	sp|P32799	103
0	2	0	21	2	2509,254	sp|P32799	sp|P32799	103
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	2	0	13	2	1495,897	sp|P09457	sp|P09457	169
0	0	0	14	0	1261,59	CON__P13	CON__P13	451
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	1	0	14	1	1637,853	CON__P04	CON__P04	186
0	0	0	11	0	1077,618	sp|Q06405	sp|Q06405	39
0	0	0	19	0	2117,056	sp|P00830	sp|P00830	416
0	1	0	24	1	2715,4	sp|P00830	sp|P00830	416
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	17	2	1963,949	sp|P37298	sp|P37298	164
0	0	0	12	2	1502,803	sp|P50277	sp|P50277	366
1	0	0	11	0	1268,607	sp|P19414	sp|P19414	298
0	0	0	11	0	1324,674	sp|P07251	sp|P07251	511
0	0	0	13	1	1581,811	sp|P07251	sp|P07251	511
0	0	0	7	0	819,3875	sp|P50085	sp|P50085	4
0	1	0	13	1	1430,777	sp|P46367	sp|P46367	295
1	1	0	10	0	1119,556	sp|P04840	sp|P04840	2
1	2	0	32	0	3240,54	sp|P04840	sp|P04840	133
0	1	0	15	0	1487,748	sp|P16622	sp|P16622	37
0	2	0	16	0	1802,869	sp|Q03798	sp|Q03798	135
2	0	0	11	0	1350,609	sp|P21306	sp|P21306	39
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
0	0	0	12	1	1222,594	sp|P46367	sp|P46367	154
0	0	0	9	0	1129,548	sp|P32191	sp|P32191	531
0	1	0	15	1	1645,9	sp|P21306	sp|P21306	24
0	2	0	24	0	2515,26	sp|P00401	sp|P00401	511
0	1	0	12	0	1349,665	sp|P32191	sp|P32191	314
0	1	0	15	0	1437,674	sp|P32340	sp|P32340	27
1	0	0	11	1	1337,719	sp|P07257	sp|P07257	80
0	0	0	16	0	1551,735	sp|P23641	sp|P23641	296
0	0	0	9	0	1064,492	CON__P35	CON__P35	155
0	1	0	13	0	1520,809	sp|P54783	sp|P54783	198
0	2	0	17	0	1897,957	sp|P07251	sp|P07251	248
0	2	0	21	0	2173,065	sp|P08067	sp|P08067	73
0	2	0	11	0	1193,64	sp|P07251	sp|P07251	178
2	1	0	8	0	972,4917	sp|Q12233	sp|Q12233	53
2	1	0	19	0	1922,927	sp|P08067	sp|P08067	54
0	1	0	17	1	1866	sp|P07257	sp|P07257	112
0	1	0	20	0	1979,032	sp|P04037	sp|P04037	33
0	1	0	12	0	1393,699	sp|P18239	sp|P18239	77
0	1	0	12	0	1285,724	sp|P07251	sp|P07251	213
0	1	0	13	1	1441,825	sp|P07251	sp|P07251	213
1	1	0	16	0	1565,732	sp|P23644	sp|P23644	220
0	1	0	11	0	1230,657	sp|P21306	sp|P21306	28
0	1	0	13	0	1404,663	sp|P21954	sp|P21954	319
1	1	0	20	0	2422,111	sp|P46367	sp|P46367	61
0	0	0	9	0	1084,544	sp|P30624	sp|P30624	237

1	2	0	23	0	2414,187	sp|P40215	sp|P40215	364
1	0	0	15	0	1649,9	sp|Q00711	sp|Q00711	187
0	0	0	7	0	786,4137	sp|P37299	sp|P37299	11
0	3	0	16	0	1562,878	sp|P07251	sp|P07251	128
1	1	0	9	0	1053,473	sp|P53721	sp|P53721	208
1	0	0	16	0	1992,969	CON__P04	CON__P04	224
1	0	0	17	1	2149,071	CON__P04	CON__P04	224
0	1	0	25	0	2501,233	sp|P32191	sp|P32191	65
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	1	0	15	1	1575,793	sp|P00830	sp|P00830	94
0	0	0	11	1	1169,713	sp|P07255	sp|P07255	2
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49
1	0	0	10	0	1007,54	sp|Q00711	sp|Q00711	243
1	0	0	10	1	1258,667	CON__P08	CON__P08	204
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	0	0	13	1	1587,799	sp|Q03713	sp|Q03713	135
0	2	0	10	0	1244,667	sp|P32799	sp|P32799	114
1	0	0	9	0	1095,483	sp|P50085	sp|P50085	140
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	21	2	2362,286	sp|P02994	sp|P02994	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
1	0	0	15	1	1850,92	CON__P35	CON__P35	322
0	0	0	8	0	959,4924	sp|P00425	sp|P00425	60
0	0	0	11	0	1168,601	sp|P32843	sp|P32843	335
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	0	0	9	1	1176,596	sp|P00424	sp|P00424	123
0	1	0	11	0	1264,63	CON__P04	CON__P04	278
0	1	0	12	1	1392,725	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	0	0	12	2	1447,731	sp|Q04013	sp|Q04013	207
0	1	0	17	0	1868,894	sp|P08067	sp|P08067	122
0	2	0	7	0	784,4695	sp|Q03028	sp|Q03028	159
0	0	0	8	0	973,5597	sp|P32191	sp|P32191	592
0	0	0	10	0	987,5753	sp|P18239	sp|P18239	9
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	1	0	18	2	2046,961	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
0	1	0	19	1	1885,902	sp|P32897	sp|P32897	9
0	0	0	11	0	1357,564	sp|Q04947	sp|Q04947	186
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
1	0	0	9	1	1122,542	sp|P00830	sp|P00830	224
1	0	0	9	1	1051,566	sp|P32843	sp|P32843	822
1	1	0	17	1	2010,986	sp|P36112	sp|P36112	205
1	1	0	16	0	1976,052	sp|P32843	sp|P32843	86
0	0	0	14	0	1556,766	sp|P19414	sp|P19414	589
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197

1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	10	1	1230,609	sp|P53721	sp|P53721	194
0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264
0	3	0	13	0	1390,761	sp|P14020	sp|P14020	200
2	2	0	20	0	2137,149	sp|P40961	sp|P40961	14
1	1	0	13	0	1452,798	sp|P00830	sp|P00830	265
1	2	0	29	1	3356,729	sp|P00830	sp|P00830	265
0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
0	3	0	10	0	941,5546	sp|P40215	sp|P40215	51
1	3	0	10	0	1060,592	sp|P30624	sp|P30624	2
0	2	0	8	0	841,5022	CON__P00	CON__P00	108
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
0	2	0	7	1	861,463	sp|P30902	sp|P30902	150
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	1	0	8	0	895,4763	sp|P05626	sp|P05626	179
1	1	0	16	0	1879,859	sp|P06780	sp|P06780	58
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
0	1	0	9	0	954,5862	sp|P40961	sp|P40961	233
0	1	0	22	0	2427,101	sp|P46367	sp|P46367	353
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
0	3	0	13	1	1287,667	sp|P19882	sp|P19882	403
1	1	0	17	0	1874,814	sp|P19414	sp|P19414	376
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
0	1	0	7	0	714,4024	sp|P32191	sp|P32191	259
1	1	0	12	0	1376,719	sp|Q0277(	sp|Q0277(	289
0	3	0	17	0	1867,042	sp|P50085	sp|P50085	288
0	2	0	10	0	1084,649	sp|P81449	sp|P81449	83
0	3	0	17	0	1846,111	sp|Q1202(	sp|Q1202(	239
0	1	0	11	0	1126,66	sp|P32191	sp|P32191	368
0	2	0	10	0	969,5607	sp|P07251	sp|P07251	68
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447
0	3	0	14	0	1365,762	sp|P00830	sp|P00830	109
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	2	0	7	0	806,4538	sp|P05626	sp|P05626	157
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	2	0	11	0	1167,686	sp|P40961	sp|P40961	120
0	3	0	11	0	1209,733	sp|P50085	sp|P50085	149
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
1	3	0	15	1	1755,004	sp|P50085	sp|P50085	125
1	3	0	27	0	3047,487	CON__P35	CON__P35	321
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
1	3	0	30	0	3217,548	sp|P46367	sp|P46367	468
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
0	1	0	14	0	1585,758	CON__P35	CON__P35	171
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407

0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237
0	2	0	9	0	959,5036	sp|P05626	sp|P05626	123
0	1	0	7	0	801,4596	sp|P07257	sp|P07257	167
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	2	0	16	0	1815,981	sp|P40215	sp|P40215	314
0	1	0	9	0	1089,524	CON__P02	CON__P13	148
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
0	2	0	8	0	863,4501	sp|P32843	sp|P32843	793
1	3	0	11	0	1166,656	sp|P00890	sp|P00890	352
0	3	0	16	0	1597,981	sp|P38885	sp|P38885	44
1	4	0	21	2	2391,228	sp|P07257	sp|P07257	179
2	2	0	10	0	1243,597	sp|P46367	sp|P46367	330
2	2	0	16	1	2036,998	sp|P46367	sp|P46367	330
3	3	0	18	0	2054,996	sp|P81450	sp|P81450	12
1	1	0	9	1	1134,546	sp|P30902	sp|P30902	159
0	1	0	15	0	1790,815	sp|P00424	sp|P00424	38
1	0	0	17	0	2056,001	sp|P00854	sp|P00854	68
0	1	0	9	1	1129,64	sp|P08067	sp|P08067	111
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	11	0	1314,591	sp|P25379	sp|P25379	27
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
2	1	0	16	1	2079,943	sp|P00427	sp|P00427	56
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
3	1	0	20	0	2175,136	sp|Q1223	sp|Q1223	87
1	1	0	19	0	2018,047	sp|P32843	sp|P32843	221
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
1	0	0	8	1	1026,502	sp|P40086	sp|P40086	141
2	1	0	10	1	1314,609	sp|P00427	sp|P00427	113
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
2	1	0	14	1	1759,867	sp|P40215	sp|P40215	330
1	0	0	9	0	1066,57	sp|P32191	sp|P32191	574
1	2	0	12	0	1354,699	sp|P02994	sp|P02994	85
2	1	0	31	0	3313,702	sp|P07251	sp|P07251	265

2	0	0	7	0	927,4814	sp|P38077	sp|P38077	284
1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	18	1	1891,964	sp|P46367	sp|P46367	378
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
1	3	0	21	1	2264,111	sp|P38264	sp|P38264	65
2	0	0	12	0	1506,628	sp|P32843	sp|P32843	346

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity B
28	yes	yes	2	0,010776	83,377	1	24272000	24272000
250	yes	yes	2	0,000263	121,73	1	13479000	13479000
233	yes	yes	2	0,009675	97,602	1	526990	526990
70	yes	yes	2	9,41E-06	129	1	2991600	2991600
182	yes	yes	2	0,000291	88,311	1	11436000	11436000
753	yes	yes	2	2,01E-08	125,79	1	0	0
443	yes	yes	2	0,000178	91,592	1	7096900	7096900
80	yes	yes	2	1,76E-08	138,89	1	1399300	1399300
284	yes	yes	2	0,016618	48,907	1	0	0
285	yes	yes	3	0,01263	41,367	1	0	0
376	yes	yes	2	2,99E-06	141,89	1	2310400	2310400
228	yes	yes	2	5,94E-09	150,11	1	2736800	2736800
113	yes	yes	3	0,005488	50,956	1	0	0
108	yes	yes	2	0,002081	93,909	1	830450	830450
504	yes	yes	2	0,000123	105,66	1	1094600	1094600
23	yes	yes	2;3	1,10E-13	160,81	2	6039700	6039700
91	yes	yes	3	0,016725	52,786	1	4339100	4339100
223	yes	yes	2;3	2,95E-09	151,3	3	1,3E+08	1,3E+08
90	yes	yes	3;4	2,03E-18	202,18	2	16670000	16670000
515	yes	yes	2	1,21E-05	128,08	1	3031800	3031800
126	yes	yes	2	0,036758	60,436	1	4961000	4961000
451	yes	yes	2	0,019929	62,088	1	469500	469500
127	yes	yes	2	5,31E-12	195,81	1	8308900	8308900
72	yes	yes	2	0,025634	77,058	1	2620600	2620600
186	yes	yes	1;2	0,009291	98,418	2	10109000	10109000
343	yes	no	2	0,006856	80,462	1	0	0
65	yes	yes	3	0,028829	30,593	1	1783200	1783200
61	yes	yes	3;4	7,42E-11	152,94	2	83987000	83987000
248	yes	yes	2;3	0,001067	91,616	2	2977800	2977800
148	no	no	2	1,70E-10	155,88	1	666660	666660
177	yes	no	2	7,84E-08	145,83	1	7802900	7802900
167	yes	yes	2;3	0,000969	106,4	2	2584700	2584700
428	yes	yes	2	0,00363	95,483	1	991370	991370
435	yes	yes	3	0,002474	68,413	1	1304200	1304200
104	yes	yes	3	0,00023	94,465	1	2449200	2449200
119	yes	yes	2	0,02143	46,663	1	0	0
235	yes	yes	2	0,002244	75,788	1	0	0
22	yes	yes	2	0,009191	98,629	1	10330000	10330000
141	yes	yes	2	3,72E-35	250,81	1	8258500	8258500
142	yes	yes	2;3	2,33E-13	177,36	2	25431000	25431000
65	yes	yes	2;3	5,24E-09	188,58	2	3582800	3582800
415	yes	yes	2	0,021696	63,624	1	810660	810660
510	yes	yes	3	2,81E-14	161,82	1	3040400	3040400
306	yes	yes	2	0,019991	75,043	1	349950	349950
307	yes	yes	2	0,015079	68,846	1	477870	477870
176	yes	yes	2	0,017469	83,287	1	1,34E+08	1,34E+08
262	yes	yes	2	4,87E-09	139,21	1	10068000	10068000
184	yes	yes	2	0,005864	103,11	2	0	0
1755	yes	yes	2	0,005378	86,772	1	1043400	1043400

115	yes	yes	2;3		1,34E-11	153,06	2	9003100	9003100
165	yes	yes		2	3,29E-22	214,61	1	11602000	11602000
368	no	no		2	2,83E-06	151,22	1	3984600	3984600
184	yes	yes		2	0,018757	82,305	1	900480	900480
205	yes	yes		2	1,75E-19	218,15	1	5136300	5136300
365	no	no		2	0,017142	46,955	1	0	0
225	yes	yes		3	0,000187	86,262	1	1882600	1882600
111	yes	yes		3	0,000701	66,264	1	1683100	1683100
34	yes	yes		2	0,004801	85,355	1	1668300	1668300
44	yes	yes		3	2,22E-05	85,362	1	0	0
113	yes	yes		2	0,000494	92,65	1	427100	427100
198	yes	yes		2	0,000999	102,06	1	1,9E+08	1,9E+08
461	yes	yes		3	0,004188	71,451	1	659820	659820
334	yes	yes		3	0,02931	37,508	1	212740	212740
502	yes	yes	3;4		1,01E-10	130,72	4	1816400	1816400
329	yes	yes		3	7,24E-06	87,676	1	727260	727260
174	yes	yes		2	1,57E-17	192,32	1	2043100	2043100
279	yes	yes	2;3		2,53E-10	132,01	2	18732000	18732000
273	yes	no		3	0,007559	49,306	1	0	0
132	yes	yes		3	9,16E-05	93,598	1	0	0
97	yes	yes	2;3		1,24E-08	136,83	2	8328300	8328300
10	yes	yes		3	0,020508	45,368	1	2421500	2421500
374	yes	yes		3	0,037857	26,825	1	836380	836380
142	yes	yes		2	0,003277	93,649	1	857420	857420
182	yes	yes		2	4,06E-09	149,6	1	1,18E+08	1,18E+08
188	yes	yes		2	1,23E-05	96,633	1	0	0
82	yes	yes		3	0,039058	40,242	1	444580	444580
111	yes	yes		2	1,09E-06	121,82	1	337780	337780
293	yes	yes	2;3		0,004692	74,141	2	2185400	2185400
115	yes	yes	2;3		5,66E-10	138,05	2	28868000	28868000
149	yes	yes		2	0,039901	56,139	1	1874700	1874700
61	yes	yes		2	3,23E-07	136,81	1	41475000	41475000
53	yes	yes	2;3		0,000135	111,95	2	33243000	33243000
41	yes	yes		2	1,30E-09	177,57	1	6881300	6881300
368	yes	yes		3	1,02E-06	95,652	1	5664400	5664400
532	yes	yes		4	0,004723	55,267	1	0	0
116	yes	yes		2	1,25E-05	130,1	1	2301800	2301800
118	yes	yes		3	0,003817	74,537	1	2582900	2582900
266	yes	yes	2;3;4		8,64E-19	178,11	3	0	0
124	yes	yes		2	0,000801	89,805	1	0	0
95	yes	yes		2	7,65E-05	109,72	1	0	0
129	yes	yes		2	1,01E-16	188,12	1	1693600	1693600
141	yes	yes		3	1,23E-13	152,27	1	38222000	38222000
145	yes	yes		2	1,93E-06	127,36	1	1817700	1817700
352	yes	yes		2	0,025846	69,812	1	0	0
302	yes	yes		2	2,64E-11	175,88	1	12224000	12224000
303	yes	yes	2;3		2,21E-06	127,3	2	25095000	25095000
70	yes	yes		3	9,17E-08	123,76	1	9315500	9315500
174	yes	yes		2	7,14E-09	169,44	1	0	0
156	yes	yes	2;3		2,67E-24	205,88	2	39195000	39195000

96	yes	yes	3;4		3,71E-09	135,86	2	21881000	21881000
426	yes	yes	2;3		6,73E-07	136,27	2	4279800	4279800
42	yes	yes		2	0,002023	81,632	1	407020	407020
335	yes	yes		2	1,11E-15	202,18	1	15715000	15715000
76	yes	yes		3	0,039081	20,972	1	56656	56656
476	yes	yes		2	0,005291	69,65	1	0	0
53	yes	yes		2	0,003088	84,498	1	0	0
274	yes	yes		2	0,000975	106,18	1	1522600	1522600
79	yes	no		2	0,004521	86,882	1	1940000	1940000
82	yes	yes	2;3		4,67E-20	181,6	2	28872000	28872000
266	yes	yes	2;3		4,17E-14	172,42	2	7693700	7693700
267	yes	yes		3	0,027799	30,575	1	970380	970380
145	yes	yes		3	0,032227	37,995	1	941750	941750
102	yes	yes		2	1,93E-10	182,68	1	0	0
235	yes	yes		2	1,76E-06	147,62	1	602680	602680
472	no	no		2	1,13E-09	177,78	1	0	0
653	yes	yes		3	0,034991	30,612	1	243980	243980
303	yes	yes		2	0,000213	120,99	1	975720	975720
270	yes	yes		2	0,005431	69,176	1	0	0
160	yes	yes		2	5,51E-15	159,26	1	566830	566830
341	yes	yes	2;3		1,16E-06	130,19	2	1,95E+08	1,95E+08
93	yes	yes		2	6,24E-09	149,82	1	954630	954630
423	yes	yes	2;3		0,003167	79,744	2	1924500	1924500
179	yes	yes		2	1,25E-09	134,88	1	1878100	1878100
42	yes	yes		2	0,0049	84,817	1	241450	241450
71	yes	yes		2	1,31E-08	143,25	1	1216700	1216700
45	yes	yes		2	0,01125	94,262	1	32348000	32348000
127	yes	yes		2	0,031515	60,799	1	1548300	1548300
82	yes	yes		3	0,035273	28,174	1	301300	301300
102	yes	yes		2	0,00014	94,688	1	0	0
52	yes	yes		2	4,16E-06	153,49	3	0	0
68	yes	yes		2	1,13E-06	121,42	1	2914000	2914000
235	yes	yes		3	0,001938	58,427	1	0	0
199	yes	yes		2	0,038774	67,032	1	8418600	8418600
676	yes	yes		3	0,037833	39,253	1	149280	149280
53	yes	yes		2	0,010922	78,264	1	4280700	4280700
472	yes	yes		3	3,23E-09	117,23	1	1304600	1304600
251	yes	yes		2	0,013545	75,509	1	2355500	2355500
127	yes	yes	2;3		3,21E-05	122,46	2	15825000	15825000
54	yes	yes	2;3		0,002263	79,07	2	4354400	4354400
535	yes	yes		3	0,016783	55,415	1	5439300	5439300
208	yes	yes		2	0,028188	75,109	1	1,28E+08	1,28E+08
114	yes	yes		2	7,14E-08	155,53	1	41466000	41466000
126	yes	yes		3	8,05E-06	86,453	1	2314400	2314400
129	yes	yes		3	6,61E-07	110,22	1	3311100	3311100
141	yes	yes		4	0,000301	71,678	1	69421000	69421000
535	yes	yes	1;2		0,022497	79,451	2	1,41E+08	1,41E+08
345	yes	yes		2	0,027596	42,336	1	0	0
362	yes	yes		2	3,19E-12	168,64	1	1127000	1127000
247	yes	yes	2;3		2,15E-09	135,47	3	3415900	3415900

511	yes	yes		2	3,91E-13	170,95	1	0	0
454	yes	yes		2	0,035682	52,52	1	276560	276560
199	yes	yes	2;3		2,53E-19	197,51	2	16247000	16247000
79	yes	yes		2	0,00247	89,827	1	15696000	15696000
38	yes	yes		2	1,92E-05	92,563	1	0	0
113	yes	yes		2	0,014828	79,713	1	24501000	24501000
247	yes	yes		2	3,88E-19	207,34	1	1,1E+08	1,1E+08
176	yes	yes		2	2,67E-43	282,92	1	46063000	46063000
452	yes	yes		2	4,04E-40	269,87	8	1,05E+08	1,05E+08
328	yes	no		2	0,000892	87,083	1	929030	929030
177	yes	yes		2	0,004796	76,311	1	495010	495010
42	yes	yes	2;3		2,05E-09	122,29	2	0	0
201	no	no		2	0,009241	98,523	1	531810	531810
61	yes	yes		2	3,36E-25	210,39	1	0	0
240	yes	yes	2;3		3,54E-07	134,98	2	48064000	48064000
112	yes	yes		2	1,56E-08	140,82	1	14070000	14070000
230	yes	yes		2	0,002542	107,01	1	15809000	15809000
232	yes	yes	2;3		0,013232	80,688	2	1821700	1821700
99	yes	yes	2;3		0,000325	114,89	2	5037600	5037600
247	yes	yes		2	1,81E-17	190,57	1	37937000	37937000
154	yes	yes		2	0,012779	77,597	1	342400	342400
188	yes	yes		2	0,010176	69,92	1	538290	538290
42	yes	yes	2;3		8,06E-05	110,93	2	0	0
55	yes	yes		3	0,012514	55,258	1	998300	998300
211	no	no		2	3,21E-39	284,12	1	14211000	14211000
251	yes	yes		2	6,00E-10	182,53	1	5943400	5943400
686	yes	yes		2	0,000113	121,6	1	2272100	2272100
463	yes	yes	2;3		4,07E-15	176,46	2	2,58E+08	2,58E+08
466	yes	yes		3	0,018836	34,649	1	741680	741680
62	yes	yes		2	4,06E-21	230,24	1	32225000	32225000
368	yes	yes		2	7,64E-07	113,33	1	18460000	18460000
11	yes	yes		2	0,000293	138,85	1	6959100	6959100
57	yes	yes		2	0,006739	103,83	1	14827000	14827000
58	yes	yes		2	0,002956	102,62	1	1237900	1237900
219	yes	yes		2	0,001575	81,594	1	1957100	1957100
290	yes	yes		2	8,76E-15	194,39	1	4471200	4471200
307	yes	yes	2;3		2,03E-35	252,46	2	2,21E+08	2,21E+08
41	yes	yes		2	0,000794	89,44	1	674660	674660
342	yes	yes		2	0,015606	85,533	1	719820	719820
213	yes	yes	2;3		7,72E-07	130,19	2	51853000	51853000
308	yes	yes	2;3		0,003746	101,43	2	11119000	11119000
196	yes	yes		3	0,000726	68,41	1	9007300	9007300
132	yes	yes		2	4,55E-05	148,04	1	53136000	53136000
394	yes	no		2	0,001244	87,713	1	950420	950420
504	yes	yes		2	0,003704	83,862	1	2585000	2585000
294	yes	no		2	0,001705	113,5	1	14126000	14126000
153	yes	yes		2	7,15E-05	126,19	1	0	0
230	yes	yes		2	5,18E-08	149,23	1	7230400	7230400
204	yes	yes		2	1,45E-16	181,66	1	7979800	7979800
34	no	no		2	6,02E-17	188,09	1	2522600	2522600

549	yes	yes		3	0,000274	67,496	1	1570300	1570300
95	yes	yes		2	0,0012	62,213	1	590390	590390
619	yes	yes		3	0,003524	41,173	1	1136700	1136700
513	yes	yes		2	0,000904	73,11	1	1510400	1510400
625	yes	yes	3;4		1,69E-06	104,84	2	0	0
287	yes	yes		3	0,000133	96,756	1	2738800	2738800
410	yes	yes	2;3		3,87E-17	198,48	2	1,14E+08	1,14E+08
387	yes	yes	2;3		3,12E-10	136,57	2	3,09E+08	3,09E+08
35	yes	yes		2	0,003309	81,565	1	766930	766930
50	yes	yes		4	0,006361	50,723	1	4068100	4068100
322	yes	yes	2;3		4,04E-14	183,06	2	28972000	28972000
125	yes	yes		3	0,00544	52,754	1	1189700	1189700
165	yes	yes		3	0,03361	30,564	1	11732000	11732000
167	yes	yes	3;4		0,006297	69,721	2	43789000	43789000
126	yes	yes	2;3		7,57E-06	127,52	2	79619000	79619000
166	yes	yes		2	7,65E-09	148,48	1	31925000	31925000
98	yes	yes		2	8,16E-06	142,43	1	1090600	1090600
107	yes	no		2	0,026455	69,198	1	6746300	6746300
117	yes	yes	2;3		1,30E-15	164,74	3	863950	863950
46	yes	yes		2	3,63E-10	144,17	1	482480	482480
211	yes	yes		2	0,000129	89,877	1	840100	840100
215	yes	yes		2	5,34E-05	88	1	2710500	2710500
163	yes	yes		2	0,005167	98,523	1	27232000	27232000
405	yes	yes		4	0,000103	84,753	1	0	0
384	yes	yes		2	3,05E-22	215,51	1	4211500	4211500
386	yes	yes	2;3		0,028017	60,55	2	1937000	1937000
115	yes	yes		3	0,007285	55,546	1	683840	683840
194	yes	yes	2;3		0,001758	91,087	2	2655600	2655600
550	yes	yes		2	0,029329	50,237	1	264680	264680
370	yes	yes	3;4		0,024321	20,126	2	2665800	2665800
62	yes	yes		2	0,011999	67,095	1	854100	854100
149	yes	yes		2	1,08E-05	125,54	1	96096000	96096000
315	yes	yes	2;3		8,52E-06	97,502	2	0	0
316	yes	yes		3	0,004594	54,103	1	0	0
55	yes	yes	2;3		1,50E-09	139,21	2	12069000	12069000
67	yes	yes		2	1,01E-16	188,13	1	1,18E+08	1,18E+08
548	yes	yes		2	9,77E-10	144,97	1	1154200	1154200
412	yes	yes		3	0,00246	74,698	1	1854200	1854200
310	yes	yes	2;3		4,37E-14	184,36	2	2,4E+08	2,4E+08
113	yes	yes		3	0,002904	63,754	1	0	0
405	yes	yes		3	0,00018	97,163	1	0	0
226	yes	yes		2	6,82E-23	242,97	1	0	0
390	yes	yes		2	9,57E-07	123,08	1	691970	691970
285	yes	yes		2	2,98E-06	131,17	1	3515600	3515600
146	yes	yes		2	1,15E-13	166,77	1	27230000	27230000
61	yes	yes		3	1,80E-07	123,02	1	781360	781360
156	yes	yes		4	0,006465	50,858	1	2857900	2857900
94	yes	yes		2	0,029689	60,102	1	3674500	3674500
66	yes	yes		2	0,024913	60,064	1	329070	329070
38	yes	yes	2;3		7,77E-05	129,42	2	87138000	87138000

215	yes	yes		2	6,07E-17	187,97	1	3202800	3202800
137	yes	yes	2;3		4,41E-25	219,97	2	77052000	77052000
416	yes	yes		2	0,029307	74,255	1	7059700	7059700
243	yes	yes		2	0,039897	59,35	1	6457800	6457800
403	no	no		2	0,002668	106,6	1	3957400	3957400
22	yes	yes	2;3		1,82E-05	126,66	2	8954800	8954800
94	yes	yes		5	0,035802	2,9758	1	2129500	2129500
239	yes	yes		2	2,77E-11	147,28	1	1509100	1509100
17	yes	yes		2	0,009291	98,418	1	8078800	8078800
510	yes	yes		2	3,18E-22	215,02	2	2,42E+08	2,42E+08
34	yes	yes		2	3,57E-10	158,06	1	8389300	8389300
35	yes	yes		3	0,02932	40,496	1	4175300	4175300
196	yes	yes		2	0,000156	107,21	3	2,43E+08	2,43E+08
88	yes	yes		3	0,000169	76,161	1	0	0
67	yes	yes		2	0,037116	46,819	1	0	0
139	yes	yes		2	7,56E-20	223,22	2	2,36E+08	2,36E+08
143	yes	yes	2;3		1,02E-18	197,7	2	1,32E+08	1,32E+08
97	yes	yes		3	0,01142	44,238	1	0	0
84	yes	yes	2;3		0,002349	76,24	2	2722800	2722800
184	yes	no		3	0,038074	40,921	1	1772600	1772600
67	yes	yes	2;3		4,98E-29	244	2	2,23E+08	2,23E+08
149	yes	yes	2;3		0,002643	85,161	2	55036000	55036000
155	yes	yes	3;4		0,000126	92,939	2	0	0
287	yes	yes		2	0,024043	71,379	1	1285800	1285800
352	yes	yes		3	0,017845	38,261	1	873370	873370
179	yes	yes	2;3		1,98E-10	135,98	2	20157000	20157000
370	yes	yes		2	0,013521	69,864	1	110720	110720
433	yes	yes		2	0,000102	122,69	1	687590	687590
13	yes	yes		2	0,004159	81,92	1	1689900	1689900
80	yes	yes	3;4		0,018104	45,614	2	6030500	6030500
840	yes	yes		2	0,011617	74,962	1	1206100	1206100
77	yes	yes		3	0,000997	66,826	1	4568300	4568300
328	yes	yes	2;3		4,51E-22	201,95	2	0	0
54	yes	yes		2	9,34E-05	123,51	1	22192000	22192000
435	yes	yes		2	3,42E-05	105,19	1	0	0
250	yes	yes		2	0,010868	73,082	1	719430	719430
450	yes	yes	2;3		0,002604	92,906	2	3426000	3426000
219	yes	yes		3	2,53E-07	106,42	1	1,08E+08	1,08E+08
265	yes	yes		2	1,60E-10	150,68	1	3272700	3272700
34	yes	yes		2	0,035964	69,176	1	10517000	10517000
35	yes	yes	2;3		8,69E-09	138,31	2	61944000	61944000
249	yes	yes		2	3,04E-05	113,52	1	932640	932640
286	yes	yes		2	2,21E-05	118,61	1	50609000	50609000
260	yes	yes	2;3		1,82E-05	126,03	2	5555100	5555100
431	yes	yes		3	0,017548	48,623	1	836700	836700
250	yes	yes		2	0,010446	72,531	1	3820100	3820100
644	yes	yes		2	0,018798	63,694	1	825340	825340
23	yes	yes	2;3		9,46E-05	90,442	2	4792200	4792200
262	yes	yes	2;3		1,66E-07	130,01	2	19130000	19130000
549	yes	yes		3	0,020379	41,996	1	0	0

426	yes	yes		3	0,001106	83,182	1	1733600	1733600
38	yes	yes	2;3		4,08E-08	115,31	2	0	0
112	yes	yes		3	0,026584	41,495	1	707470	707470
308	yes	yes		3	0,013082	59,153	1	17087000	17087000
471	yes	yes		3	0,003779	74,649	1	1147100	1147100
165	yes	yes		3	0,040054	39,848	1	393230	393230
166	yes	yes	2;3		1,88E-09	145,31	2	6256000	6256000
211	yes	yes		3	0,000752	70,783	1	1806300	1806300
370	yes	yes	3;4		1,26E-10	110,89	6	1,36E+08	1,36E+08
107	yes	yes		4	0,008464	53,981	1	0	0
364	yes	yes		3	0,035857	32,355	1	857740	857740
416	yes	yes		2	1,67E-05	152,11	1	7658000	7658000
77	yes	yes	3;4		1,54E-05	96,143	2	22764000	22764000
265	yes	yes		3	0,000329	78,78	1	2099800	2099800
309	yes	yes		2	0,034689	47,849	1	231800	231800
310	yes	yes	2;3		0,010048	85,862	2	1074800	1074800
292	yes	yes		3	0,004976	61,344	1	0	0
246	yes	yes	2;3		1,65E-15	201,09	2	39768000	39768000
247	yes	yes		3	2,59E-09	150,09	1	4369300	4369300
86	yes	yes	2;3		7,22E-06	121,61	3	5003000	5003000
172	yes	yes	3;4		3,36E-09	109,41	2	1,38E+08	1,38E+08
131	yes	yes	2;3		0,000378	98,898	2	38618000	38618000
294	yes	no		2	0,028001	57,785	1	922460	922460
813	yes	yes		3	0,018191	55,806	1	577970	577970
75	yes	yes	2;3		1,94E-05	105,13	2	2500800	2500800
76	yes	yes		3	1,43E-11	177,57	1	8352800	8352800
281	no	no		3	0,003221	81,95	1	1045300	1045300
296	yes	yes	2;3		7,72E-40	265,6	2	38467000	38467000
220	yes	yes		2	0,001211	93,839	1	742940	742940
136	yes	yes		3	1,77E-08	114,9	1	2898100	2898100
518	yes	yes		3	2,28E-06	92,034	1	1538400	1538400
324	yes	yes		2	0,01522	62,104	1	1107800	1107800
163	no	no		2	0,040031	66,073	1	2853900	2853900
165	no	no		3	0,006348	66,27	1	2340000	2340000
39	yes	yes		2	5,13E-10	150,11	1	1085000	1085000
40	yes	yes		3	0,028025	39,629	1	0	0
290	yes	yes	2;3		7,95E-13	172,42	2	9849900	9849900
267	yes	yes		3	0,002393	64,842	1	0	0
403	yes	yes		3	0,03708	31,348	1	462230	462230
95	yes	yes		2	4,15E-14	185,3	1	41856000	41856000
108	yes	yes		3	0,000321	70,15	1	45412000	45412000
90	yes	yes		3	9,00E-05	86,498	1	1555500	1555500
450	yes	no		2	3,72E-08	160,53	1	3060400	3060400
181	yes	yes	2;3		7,51E-07	143,5	2	50536000	50536000
43	yes	yes		2	9,39E-06	110,39	1	0	0
35	yes	yes		2	0,002973	72,2	1	0	0
326	yes	yes		3	0,013167	55,415	1	502200	502200
46	yes	yes	2;3		1,99E-40	256,13	2	1,61E+08	1,61E+08
435	yes	yes		2	0,000239	141,98	1	1,45E+08	1,45E+08
77	yes	yes		3	3,44E-06	103,99	1	2071900	2071900

359	yes	yes		2	0,025057	50,127	1	0	0
82	yes	yes	2;3		0,000228	103,14	2	54466000	54466000
84	yes	yes	3;4		2,19E-13	165,51	2	94876000	94876000
61	yes	yes		3	3,50E-09	130,02	1	0	0
63	yes	yes		2	0,006744	93,429	1	10227000	10227000
68	yes	yes		3	0,008854	58,433	1	411670	411670
501	yes	yes		2	1,89E-07	144,7	1	6031200	6031200
258	yes	yes		3	0,011266	56,916	1	234930	234930
336	yes	yes		2	1,36E-08	135,02	1	608070	608070
475	yes	yes	2;3		1,13E-05	146,71	2	1,59E+08	1,59E+08
50	yes	yes		3	0,001916	93,429	1	923940	923940
51	yes	yes		3	0,039746	22,58	1	1596800	1596800
344	yes	yes		3	0,011901	41,962	1	1949900	1949900
145	yes	yes		3	0,039312	39,937	1	510090	510090
245	yes	yes		2	0,000454	110,93	1	1972100	1972100
120	yes	yes		2	0,01948	69,275	1	2688600	2688600
189	yes	yes		2	0,004887	79,474	1	0	0
406	yes	yes	2;3		1,50E-25	224,64	11	2,85E+08	2,85E+08
323	yes	yes		3	2,77E-06	100,46	1	8008300	8008300
176	yes	yes		3	6,72E-11	151,49	1	0	0
441	yes	yes		3	0,004141	54,668	1	641000	641000
59	yes	yes		2	9,75E-15	190,26	1	0	0
472	no	no		3	0,01138	55,261	1	0	0
84	yes	yes		3	4,38E-29	210,14	1	38315000	38315000
455	yes	yes		2	0,000991	92,039	1	852770	852770
460	yes	yes		3	2,42E-05	100,4	1	544920	544920
155	yes	yes		3	0,016056	51,727	1	1643500	1643500
213	yes	yes		2	0,002788	87,184	1	30153000	30153000
64	yes	yes		3	0,00909	58,63	1	1215800	1215800
55	yes	yes	2;3		3,36E-14	167,93	2	2692500	2692500
148	yes	yes		3	0,0381	25,137	1	283570	283570
71	yes	yes		2	0,001373	104,01	1	1764400	1764400
253	yes	yes		2	0,003613	103,55	1	1039400	1039400
224	yes	yes		2	2,92E-09	153	1	78891000	78891000
203	yes	yes		2	0,014825	74,165	1	2049500	2049500
158	yes	yes		2	0,020976	67,704	1	950610	950610
57	yes	yes		3	0,000166	76,817	1	4645300	4645300
420	yes	yes		3	0,023116	42,287	1	231860	231860
397	yes	yes	2;3		1,23E-10	131,75	2	8804800	8804800
574	yes	yes		3	0,034661	46,985	1	899880	899880
573	yes	yes		3	0,038452	16,107	1	209910	209910
85	yes	yes		2	0,038774	67,032	1	1379600	1379600
258	yes	yes		3	0,004213	79,713	1	12028000	12028000
172	yes	yes	3;4		1,53E-09	120,27	2	94257000	94257000
417	no	no	3;4		0,000274	105,13	2	1895100	1895100
166	yes	yes		2	1,68E-13	160,8	1	59077000	59077000
274	yes	yes		2	0,000394	132,96	1	9173900	9173900
576	yes	yes		2	1,44E-10	170,89	1	3028000	3028000
402	yes	yes		2	0,006751	82,645	1	7560000	7560000
141	yes	yes		3	0,002019	76,24	1	2390100	2390100

408	yes	yes		2	0,001797	112,41	1	6991300	6991300
409	yes	yes	2;3		0,002424	80,438	2	8425500	8425500
107	yes	yes		2	0,009549	77,288	1	2935100	2935100
10_YEAST	yes	yes		2	0,013898	88,643	1	1,26E+08	1,26E+08
365	yes	yes		2	9,64E-08	143,55	1	11535000	11535000
612	yes	yes		2	0,010333	64,265	1	0	0
201	yes	yes		2	0,029675	73,975	1	305640	305640
340	yes	yes		2	0,001667	88,056	1	520920	520920
93	yes	yes	2;3		4,08E-36	261,61	3	3,25E+08	3,25E+08
159	yes	yes		2	3,90E-25	220,78	1	11598000	11598000
401	yes	yes		2	3,41E-06	116,58	1	1033900	1033900
447	yes	yes	2;3		1,38E-08	120,33	2	0	0
116	yes	yes		2	0,014328	80,165	1	639330	639330
246	yes	yes		2	4,69E-14	182,98	1	40211000	40211000
247	yes	yes		3	0,005529	61,765	1	1789500	1789500
109	yes	yes		2	3,04E-07	137,89	1	510390	510390
86	yes	yes		2	2,11E-06	145,99	1	664260	664260
704	yes	yes		3	0,009034	46,494	1	0	0
668	yes	yes		2	1,44E-08	156,83	1	0	0
264	yes	no		2	0,000564	90,827	2	0	0
19	yes	yes		3	0,004155	56,819	1	0	0
518	yes	yes		3	0,003763	54,943	1	0	0
530	yes	yes		2	4,41E-07	131,32	1	0	0
11	yes	yes		2	0,000376	94,465	1	0	0
240	yes	yes		2	0,008421	76,774	1	0	0
283	yes	yes		2	0,011259	61,679	1	0	0
151	no	no		2	5,81E-17	188,63	1	22713000	22713000
344	yes	yes	2;3		2,12E-26	203,71	2	28428000	28428000
347	yes	yes		3	0,000504	61,942	1	3047400	3047400
69	yes	yes		3	0,016657	42,947	1	1313400	1313400
395	yes	yes		2	5,44E-08	148,89	1	1170700	1170700
108	yes	yes		2	2,78E-17	199,13	1	23072000	23072000
251	yes	yes		2	0,000486	119,22	1	455510	455510
83	yes	yes		2	1,69E-10	156	1	3658200	3658200
62	yes	yes		2	6,50E-09	149,57	1	16790000	16790000
28	yes	yes		2	0,001842	101,46	1	23388000	23388000
19	yes	yes		2	2,59E-05	151,44	1	10531000	10531000
86	yes	yes		2	2,21E-05	137,95	1	5506200	5506200
455	yes	yes		2	0,011506	69,261	1	0	0
460	yes	yes		3	2,04E-05	95,9	1	2140100	2140100
464	yes	yes		3	0,025806	39,585	1	334560	334560
277	no	no		3	0,00175	83,499	1	5490100	5490100
129	yes	yes		2	5,18E-07	127,2	1	3991500	3991500
107	yes	yes		2	3,25E-10	159,99	2	70557000	70557000
359	no	no		2	0,000156	106,29	1	1900800	1900800
144	yes	yes	2;3		3,53E-07	130,47	2	2667700	2667700
104	yes	yes		2	1,22E-28	244	1	1,34E+08	1,34E+08
119	yes	yes		2	4,24E-05	117,86	1	1008800	1008800
438	yes	yes		3	0,001035	80,905	1	1375600	1375600
177	yes	yes		2	0,001365	117,53	1	2382000	2382000

289	yes	yes		2	0,002291	91,313	1	441270	441270
240	yes	yes		3	0,000143	98	1	11181000	11181000
145	yes	yes	2;3		4,78E-16	175,56	2	0	0
483	yes	yes		2	0,001212	70,089	1	0	0
267	yes	yes		2	6,41E-10	175,49	1	0	0
311	yes	yes		2	0,002172	81,346	1	870890	870890
533	yes	yes		2	9,28E-05	102,03	1	686420	686420
45	yes	yes		3	0,033034	36,954	1	368220	368220
59	yes	yes		3	6,52E-10	153,49	1	1483800	1483800
96	yes	yes		2	1,22E-22	240,65	1	0	0
140	yes	yes		3	0,009671	49,765	1	0	0
471	yes	yes		2	0,003663	91,549	1	950330	950330
110	yes	yes		2	0,009303	85,161	1	208000	208000
77	yes	yes	2;3		3,18E-16	179,83	2	1,22E+08	1,22E+08
138	yes	yes		2	3,07E-06	126,34	1	0	0
468	yes	yes	2;3		0,00167	88,021	2	1680800	1680800
69	yes	yes		2	0,001689	98,902	1	7155900	7155900
322	yes	yes		3	6,47E-10	126,3	1	0	0
349	yes	yes	2;3		1,37E-09	149,35	2	0	0
164	yes	yes		2	0,01042	58,082	1	1826700	1826700
224	yes	yes		3	0,020676	32,146	1	1395500	1395500
605	yes	yes		3	2,16E-08	131,32	1	3064700	3064700
410	yes	yes		2	2,31E-07	142,19	1	3705500	3705500
141	yes	yes		2	8,30E-11	168,02	1	5138500	5138500
267	yes	yes		2	4,37E-06	112,24	1	1501700	1501700
79	yes	yes		3	0,003067	71,268	1	1594200	1594200
166	yes	yes		2	0,002205	65,105	1	0	0
10	yes	yes		2	0,001156	105,2	1	12265000	12265000
15	yes	yes		2	0,00692	74,966	1	283340	283340
83	yes	yes		2	4,47E-06	121,13	1	3242500	3242500
336	yes	yes		2	0,015712	73,233	1	1625000	1625000
170	yes	yes	2;3		0,000455	101,3	2	10161000	10161000
42	yes	yes		3	0,002543	58,693	1	793000	793000
261	yes	yes		2	4,13E-05	118,23	1	1580400	1580400
197	yes	yes		2	0,003138	94,409	1	652220	652220
226	yes	yes		2	0,023401	65,157	1	106910	106910
90	yes	yes		3	0,028064	25,572	1	466020	466020
490	yes	yes		2	1,36E-13	164,41	1	1784300	1784300
187	yes	yes		2	0,013194	81,191	1	6581100	6581100
432	yes	yes		2	2,33E-23	222,75	1	1737800	1737800
438	yes	yes		3	0,005554	53,504	1	1461000	1461000
69	yes	yes		3	0,006313	60,161	1	4800500	4800500
186	yes	yes	2;3		0,000571	93,667	2	11995000	11995000
276	yes	yes		2	1,97E-12	165,49	1	14063000	14063000
60	yes	yes	2;3		6,27E-05	99,392	2	1,03E+08	1,03E+08
267	yes	yes	2;3		2,44E-15	156,29	2	73541000	73541000
323	yes	yes		2	0,01137	94,006	1	1,09E+08	1,09E+08
497	yes	yes		4	0,000146	76,267	1	7201100	7201100
61	yes	yes		2	0,005948	79,885	1	1101100	1101100
399	yes	no		2	0,000221	103,3	1	819570	819570

68	yes	yes		2	0,009409	62,861	1	785700	785700
77	yes	yes	2;3		8,97E-10	148,41	2	55177000	55177000
257	no	no		3	0,032258	37,968	1	1325100	1325100
84	yes	yes	2;3		1,35E-26	216,16	2	59283000	59283000
95	yes	yes		3	0,008925	45,489	1	939710	939710
271	yes	yes		2	0,004135	73,666	1	0	0
396	yes	yes		2	0,018164	43,81	1	0	0
159	yes	yes		3	0,002759	72,731	1	46630000	46630000
11	yes	yes		2	0,040385	54,722	1	16112000	16112000
146	yes	yes		3	1,16E-14	172,32	1	22422000	22422000
148	yes	yes		4	0,001241	63,894	1	3859600	3859600
38	yes	yes	2;3		8,52E-05	107,79	2	34282000	34282000
71	yes	yes	2;3		8,52E-05	121,68	2	5783400	5783400
203	yes	yes		2	0,000289	107,21	1	1680500	1680500
97	yes	yes		3	0,002383	77,192	1	2247000	2247000
60	yes	yes		3	2,52E-06	105,92	1	17121000	17121000
196	yes	yes		4	0,006839	51,566	1	787540	787540
264	yes	yes		3	7,59E-20	191,41	1	0	0
188	yes	yes	2;3;4		1,09E-10	159,58	4	1,83E+08	1,83E+08
143	yes	yes	2;3		9,72E-08	127,18	2	31267000	31267000
216	yes	yes		3	0,006814	60,598	1	325640	325640
106	yes	yes	2;3		0,001006	99,343	2	3612000	3612000
193	yes	yes		2	0,004919	104,37	1	5091100	5091100
15	yes	yes	2;3		0,003968	74,962	2	24342000	24342000
463	yes	yes		3	4,78E-10	118,52	1	0	0
152	yes	yes		2	5,24E-25	238,07	1	37200000	37200000
153	yes	yes	2;3		0,00182	80,96	2	4246000	4246000
261	yes	yes	2;3		0,000972	92,943	2	3936100	3936100
137	yes	yes		3	0,033653	28,209	1	157010	157010
545	yes	yes		2	4,67E-12	183,43	1	34729000	34729000
124	yes	yes	2;3		1,23E-39	265,43	3	1,38E+08	1,38E+08
85	yes	yes		2	4,62E-09	140,03	1	1619900	1619900
191	yes	yes		2	0,000224	123,35	1	27200000	27200000
290	yes	yes		3	0,000652	72,898	1	0	0
551	yes	yes		2	0,002819	96,143	1	1316600	1316600
417	no	no		3	0,029087	36,395	1	164380	164380
370	yes	no	2;3		0,007041	85,212	2	2506400	2506400
338	yes	yes		3	0,034888	29,149	1	82039	82039
523	yes	yes		2	1,72E-25	221,59	1	0	0
8	yes	yes		2	0,012892	90,777	1	3207400	3207400
231	yes	yes		2	9,77E-06	128,88	1	885680	885680
375	yes	yes		3	0,011395	43,476	1	796790	796790
153	yes	yes	2;3		0,000631	88,224	2	1880100	1880100
153	yes	yes		2	0,014328	80,165	1	2478900	2478900
92	yes	yes		2	0,027325	48,919	1	393350	393350
145	yes	yes		2	1,27E-12	156,49	1	1577300	1577300
93	yes	yes		3	0,014927	50,897	1	0	0
376	yes	yes		2	0,002667	86,498	1	2181200	2181200
380	yes	yes		3	8,02E-06	114,87	1	1143100	1143100
362	yes	yes		3	0,039357	18,936	1	1719200	1719200

151	no	no		3	0,000287	82,942	1	1209000	1209000
113	yes	yes		3	0,012511	55,261	1	2058400	2058400
123	yes	yes		4	0,011533	45,347	1	2773000	2773000
128	yes	yes		2	1,40E-44	297,5	1	42631000	42631000
181	yes	yes	2;3;4		1,78E-12	161,87	3	88703000	88703000
464	yes	yes		2	7,77E-09	143,94	1	1351100	1351100
197	no	no		2	9,53E-06	126,32	1	4687800	4687800
199	no	no		3	0,00392	64,313	1	1926200	1926200
49	yes	yes		2	0,00516	80,737	1	1,38E+08	1,38E+08
434	yes	yes	2;3		3,60E-11	139,11	2	0	0
439	yes	yes	3;4		2,98E-18	177,32	2	0	0
74	yes	yes		2	0,008614	80,688	1	2016000	2016000
180	yes	yes		3	0,003399	62,104	1	866630	866630
377	yes	yes		2	0,001115	75,566	1	0	0
308	yes	yes		2	1,09E-07	135,99	1	0	0
521	yes	yes		3	4,43E-06	126,66	1	1,43E+08	1,43E+08
523	yes	yes	3;4		9,09E-07	126,83	2	36660000	36660000
10	yes	yes		2	0,007771	101,64	1	480960	480960
307	yes	yes		3	3,07E-17	186,51	1	4341100	4341100
11	yes	yes		2	0,001092	101,3	1	1,34E+08	1,34E+08
164	yes	yes		3	9,75E-20	167,74	1	0	0
51	yes	yes		2	0,002616	64,588	1	0	0
150	yes	yes		2	2,10E-06	112,34	1	461580	461580
49	yes	yes		2	2,99E-07	138,2	1	23075000	23075000
334	yes	yes	2;3		0,000488	97,957	2	8347700	8347700
165	yes	yes		3	0,00946	57,885	1	1129500	1129500
539	yes	yes		2	0,002484	97,965	1	640960	640960
38	yes	yes		2	2,30E-12	158,91	1	1394800	1394800
534	yes	yes		2	0,024347	49,662	1	1669800	1669800
325	yes	yes		2	0,000818	83,204	1	0	0
41	yes	yes		2	0,000257	96,435	1	802910	802910
90	yes	yes	2;3		6,52E-05	137,01	2	16478000	16478000
311	yes	yes		2	3,73E-10	151,66	1	9770000	9770000
163	yes	yes		2	0,018376	67,334	2	321210	321210
210	yes	yes		2	0,000202	103,76	1	848360	848360
264	yes	yes	2;3		4,18E-19	180,93	2	0	0
93	yes	yes	2;3		6,79E-12	147,1	2	0	0
188	yes	yes	2;3		3,91E-08	147,3	2	2,19E+08	2,19E+08
60	yes	yes		2	0,001587	114,89	1	61827000	61827000
72	yes	yes		2	9,39E-09	129,11	1	0	0
128	yes	yes	3;4		3,62E-07	114,54	2	53784000	53784000
52	yes	yes		2	5,93E-15	157,73	1	1109900	1109900
88	yes	yes		2	9,24E-11	166,7	1	33835000	33835000
224	yes	yes		2	4,10E-39	280,17	1	2,12E+08	2,12E+08
225	yes	yes	2;3		1,75E-62	342,32	2	39909000	39909000
235	yes	yes		2	0,006813	69,069	1	790660	790660
38	yes	yes		2	9,70E-25	240,8	1	15682000	15682000
331	yes	no		3	0,030514	39,58	1	373100	373100
80	yes	yes		3	0,007554	50,831	1	776760	776760
245	yes	yes		2	0,012982	76,1	1	494550	494550

386	yes	yes	2;3		1,65E-06	97,621	2	1382200	1382200
201	yes	yes		4	0,007098	58,04	1	396930	396930
17	yes	yes		2	0,023592	78,616	1	1817900	1817900
143	yes	yes		2	5,85E-32	245,39	1	3,09E+08	3,09E+08
216	yes	yes		2	0,004451	87,258	1	2822500	2822500
239	yes	yes		3	4,59E-05	96,707	1	1396200	1396200
240	yes	yes		3	0,035345	26,292	1	1774100	1774100
89	yes	yes		3	0,011602	41,166	1	432640	432640
105	yes	yes		2	2,43E-19	185,3	2	12594000	12594000
108	yes	yes		3	0,016693	47,774	1	0	0
12	yes	yes		3	0,025725	42,718	1	1461100	1461100
229	yes	yes		2	0,00016	117,14	1	55365000	55365000
240	yes	yes	2;3		4,92E-20	179,69	2	83271000	83271000
66	yes	yes		2	0,002509	75,564	1	583060	583060
252	yes	yes		2	0,000236	109,79	1	1593700	1593700
213	yes	yes		3	0,005886	64,73	1	1418300	1418300
215	yes	yes		2	4,38E-17	183,06	1	0	0
147	yes	yes		3	0,00012	98,407	1	1592300	1592300
123	yes	yes		2	4,14E-06	136,52	1	5229200	5229200
148	yes	yes		2	0,00021	123,96	1	2938500	2938500
233	yes	yes		2	0,000409	115,7	1	3137400	3137400
245	yes	yes		3	0,02327	38,377	1	1049300	1049300
492	no	no		2	4,64E-08	155,84	1	3995100	3995100
336	yes	yes		3	0,012624	51,726	1	0	0
67	yes	yes		2	0,006676	93,649	1	977710	977710
345	yes	yes		2	0,000415	92,943	1	0	0
126	yes	yes		2	2,98E-35	255,54	1	9752000	9752000
131	yes	yes		3	0,011704	54,982	1	0	0
288	yes	yes		2	3,60E-05	120,03	1	1214500	1214500
289	yes	yes	2;3		8,72E-06	112,64	2	7259900	7259900
118	yes	yes		2	9,95E-25	211,06	1	13976000	13976000
218	yes	yes		3	0,021591	54,023	1	980200	980200
138	yes	yes		3	0,006001	56,339	1	0	0
165	yes	yes		2	0,014261	58,815	1	0	0
599	yes	yes		2	5,46E-08	131,03	1	0	0
18	yes	yes		2	0,000248	108,57	1	33244000	33244000
44	yes	yes		2	1,37E-05	133,23	1	4082200	4082200
53	yes	yes	3;4		1,64E-05	100,68	2	10054000	10054000
206	yes	yes		2	0,007619	90,601	1	662550	662550
27	yes	yes		3	0,009149	50,117	1	342380	342380
196	yes	yes		2	0,004591	70,089	1	0	0
494	yes	yes		4	0,028877	39,878	1	771410	771410
232	yes	yes	2;3		0,001005	112,11	2	27702000	27702000
830	yes	yes	2;3		0,001089	110,38	2	1292900	1292900
221	yes	yes		3	0,02371	37,177	1	670530	670530
101	yes	yes		2	0,012605	60,158	1	322510	322510
602	yes	yes		3	0,000108	95,273	1	0	0
150	yes	yes		2	0,013942	69,352	1	874330	874330
200	yes	yes		2	1,37E-05	133,23	1	27048000	27048000
209	yes	yes		2	1,90E-35	262,43	1	1,52E+08	1,52E+08

20	yes	yes	2;3		0,00223	73,881	2	0	0
203	yes	yes		3	0,012833	54,982	1	684300	684300
274	yes	yes		2	2,18E-07	143	1	4809100	4809100
212	yes	yes		2	0,003309	81,565	1	689330	689330
33	yes	yes		2	2,19E-08	125,23	1	0	0
277	yes	yes		2	2,26E-28	238,2	1	42979000	42979000
293	yes	yes		3	1,18E-06	94,389	1	2038300	2038300
262	yes	yes	2;3		2,13E-29	232,53	3	3471200	3471200
60	yes	yes		2	0,023337	61,78	1	2405500	2405500
11	yes	yes		2	0,002144	92,538	1	873440	873440
115	yes	yes		2	0,000113	136,27	1	3,77E+08	3,77E+08
320	yes	yes		2	8,50E-11	167,73	1	1417500	1417500
156	yes	yes		2	0,009171	92,467	1	313850	313850
246	yes	yes	2;3		3,17E-08	140,82	2	7043300	7043300
186	yes	yes		2	0,002045	109,48	1	3308400	3308400
73	yes	yes		2	0,007019	68,576	1	269950	269950
105	yes	yes		2	4,89E-11	172,76	1	9716500	9716500
97	yes	yes	2;3		8,35E-34	235,54	9	1,62E+08	1,62E+08
241	yes	yes		2	2,21E-08	168,25	1	2122600	2122600
374	yes	yes	2;3		2,45E-16	168,99	2	0	0
414	yes	yes		2	3,15E-05	112,84	1	3501900	3501900
415	yes	yes		2	0,007741	72,705	1	241820	241820
392	yes	yes		2	7,11E-05	87,676	1	0	0
262	yes	yes		2	1,14E-06	126,91	1	2494200	2494200
219	yes	yes		3	0,017017	48,351	1	506910	506910
157	yes	yes	2;3		3,31E-06	135,43	2	5294800	5294800
265	yes	yes		2	0,034908	38,792	1	0	0
300	yes	yes		2	1,90E-05	120,53	1	970460	970460
304	yes	yes	2;3		1,11E-24	209,23	2	4337800	4337800
92	yes	yes		2	3,86E-05	128,81	1	25766000	25766000
255	yes	yes		2	1,28E-07	126,63	1	0	0
378	yes	yes		2	2,90E-07	138,76	1	2095400	2095400
77	yes	yes		2	5,40E-09	171,33	1	2,54E+08	2,54E+08
266	yes	yes		2	0,000269	121,5	1	2076100	2076100
459	yes	yes		2	1,31E-05	110,55	1	6970100	6970100
122	yes	yes		2	5,12E-17	190,37	1	3,52E+08	3,52E+08
179	yes	yes	3;4		3,85E-12	152,9	2	21972000	21972000
249	yes	yes	2;3		3,15E-17	178,07	2	0	0
163	yes	yes		2	0,040031	66,073	1	35256000	35256000
176	yes	yes	2;3		4,52E-20	189,15	2	44627000	44627000
130	yes	yes		2	0,001082	95,477	1	2875500	2875500
159	yes	yes		2	0,004493	81,525	1	3509900	3509900
242	yes	yes		2	7,60E-23	213	1	97049000	97049000
139	yes	yes		3	2,32E-05	104,7	1	2835500	2835500
347	yes	yes		3	0,000167	76,351	1	0	0
367	yes	yes		2	0,005796	67,897	1	0	0
497	yes	yes		4	0,037545	19,448	1	1082400	1082400
172	yes	yes		2	1,85E-06	147,2	1	598170	598170
184	yes	yes		2	2,11E-12	164,53	1	1916100	1916100
415	yes	yes		2	1,02E-11	188,91	1	2,23E+08	2,23E+08

223	yes	yes		2	5,14E-06	147,4	1	52133000	52133000
248	yes	yes		2	3,76E-20	225,15	1	69941000	69941000
131	yes	yes		2	1,28E-11	185,33	1	93267000	93267000
173	yes	yes		2	0,012492	91,626	1	1861300	1861300
178	yes	yes	2;3		1,39E-10	170	2	18520000	18520000
182	yes	yes	3;4		7,96E-05	95,751	2	22472000	22472000
310	yes	yes	2;3		3,06E-09	117,48	2	0	0
329	yes	yes		2	0,007262	57,525	1	0	0
156	no	no		2	0,001587	84,817	2	304900	304900
155	yes	yes		2	1,77E-06	160,56	2	1,2E+08	1,2E+08
163	yes	yes	2;3		2,31E-22	203,23	3	22887000	22887000
182	yes	yes		2	3,76E-05	128,91	1	1,89E+08	1,89E+08
800	yes	yes		2	0,034296	62,107	1	1299000	1299000
362	yes	yes		3	0,033303	22,686	1	0	0
59	yes	yes		2	1,20E-09	142,45	1	374830	374830
199	yes	yes		4	0,013391	42,633	1	785090	785090
339	yes	yes		2	0,020227	65,278	1	237230	237230
345	yes	yes	2;3		5,94E-07	112,42	2	2739000	2739000
29	yes	yes	2;3		4,52E-08	128,64	2	0	0
167	yes	yes		2	0,026078	76,228	1	2643700	2643700
52	yes	yes		2	1,50E-13	171,15	1	0	0
84	yes	yes	2;3		7,81E-49	281,61	4	0	0
119	yes	yes		3	0,010099	58,23	1	15118000	15118000
75	yes	yes		2	0,000528	110,76	1	3724700	3724700
76	yes	yes	2;3		1,32E-06	147,75	2	11477000	11477000
174	yes	yes		2	0,000209	112,36	1	1167700	1167700
273	yes	yes		2	0,007583	81,771	1	11733000	11733000
274	yes	yes	2;3		0,000158	112,36	2	20680000	20680000
502	yes	yes	2;3		3,58E-16	171,85	3	2519000	2519000
140	yes	yes		2	3,97E-25	241,15	1	33904000	33904000
37	yes	yes		2	2,39E-05	124,12	1	616050	616050
386	yes	yes		2	1,49E-16	214,67	1	6919800	6919800
71	yes	yes		3	2,75E-05	101,75	1	1004800	1004800
108	no	no		2	8,39E-08	145,14	1	27214000	27214000
110	no	no	2;3		2,29E-08	138,55	2	9199800	9199800
106	yes	yes		2	0,01292	57,045	1	357530	357530
239	yes	yes		2	4,20E-05	97,214	1	1773300	1773300
249	yes	yes		3	0,007554	50,831	1	334420	334420
148	yes	yes		3	0,019485	49,423	1	219970	219970
122	yes	yes	2;3		0,00023	121,61	2	2751000	2751000
113	yes	yes		2	0,017469	83,287	1	34851000	34851000
119	yes	yes		2	2,11E-08	145,81	1	10311000	10311000
279	yes	yes		3	0,017823	50,95	1	475540	475540
280	yes	yes		3	4,42E-06	115,37	1	1836100	1836100
175	yes	yes		2	0,03191	64,265	1	182630	182630
234	yes	yes		2	0,016339	69,65	1	54295000	54295000
343	yes	yes		3	0,028458	40,767	1	654050	654050
582	yes	yes		2	0,000458	113,66	1	1144000	1144000
96	yes	yes		3	0,003283	71,558	1	1741500	1741500
295	yes	yes		3	0,020784	29,654	1	710180	710180

290	yes	yes	2	0,000275	139,92	1	60050000	60050000
128	yes	yes	2	0,000157	92,952	1	0	0
53	yes	yes	2	1,08E-06	117,18	1	1136600	1136600
395	yes	yes	3	1,85E-05	99,055	1	3274800	3274800
78	yes	yes	2	0,000204	88,224	1	0	0
85	yes	yes	3	0,000727	63,46	1	0	0
357	yes	yes	3	0,029548	40,015	1	2203700	2203700

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (	
		0	35	0	0	0	0		
		1	31	1	1	1	1		
		2	87	2	2	2	2		
		3	67	3	3	3	3		
		4	27	4	4	4	4		
		5	65	5	5	5	5		91
		6	45	6	6	6	6		
		7	15	7	7	7	7		
	+	8	4	8	8	8	8		6
	+	9	4	9	9	9	9		6
	+	10	2	10	10	10	10		
		11	84	11	11	11	11		
		12	52	12	12	12	12		77
		13	86	13	13	13	13		
		14	65	14	14	14	14		
		15	46	15	15;16	15;16	15		
		16	34	16	17	17;18;19	19		
		17	17	17	18;19;20	20;21;22;2	24		
		18	10	18	21;22	27;28	27		
		19	82	19	23	29	29		
		20	45	20	24	30	30		
		21	19	21	25	31	31		
		22	13	22	26	32	32		
		23	84	23	27	33	33		
		24	18	24	28;29	34;35	34		
		25	95	25	30	36	36		121
		26	25	26	31	37	37		
		27	24	27	32;33	38;39	39		
		28	24	28	34;35	40;41	41		
	+	29	3;1	29	36	42	42		
	+	30	4	30	37	43	43		
		31	28	31	38;39	44;45	45		
		32	29	32	40	46	46		
		33	29	33	41	47	47		
		34	9	34	42	48	48		
		35	42	35	43	49	49		53
		36	47	36	44	50	50	71;72	
		37	106	37	45	51;52	51		
		38	31	38	46	53	53		
		39	31	39	47;48	54;55	55		
		40	25	40	49;50	56;57	57		
		41	65	41	51	58	58		
		42	12	42	52	59	59		
		43	45	43	53	60	60		
		44	45	44	54	61	61		
		45	29	45	55	62;63	62		
		46	51	46	56	64	64		
		47	78	47	57;58	65;66	66		
		48	85	48	59	67	67		

	49	10	49	60;61	68;69;70	69	
	50	65	50	62	71	71	
+	51	6	51	63	72	72	
	52	65	52	64	73	73	
	53	51	53	65	74	74	
+	54	3;1	54	66	75	75	
	55	60	55	67	76	76	
	56	32	56	68	77;78	78	
	57	15	57	69	79	79	
	58	15	58	70	80	80	21
	59	80	59	71	81	81	
	60	29	60	72	82;83	82	
	61	19	61	73	84	84	
	62	55	62	74	85;86	86	
	63	17	63;64	75;76;77;7	87;88;89;9	88	22
	64	86	65	79	91	91	
	65	87	66	80	92	92	
	66	31	67	81;82	93;94	93	
	67	95	68	83	95	95	122
	68	16	69	84	96	96	
	69	107	70	85;86	97;98	98	
	70	73	71	87	99;100	99	
	71	91	72	88	101	101	
	72	21	73	89	102	102	
	73	74	74	90	103	103	
	74	74	75	91	104	104	99
	75	48	76	92	105	105	
	76	32	77	93	106;107;1	107	
	77	17	78	94;95	110;111	110	
	78	31	79	96;97	112;113	113	
	79	65	80	98	114	114	
	80	24	81	99	115	115	
	81	32	82	100;101	116;117	116	
	82	22	83	102	118	118	
+	83	5	84	103	119	119	
	84	43	85	104	120	120	61
	85	90	86	105	121	121	
	86	90	87	106	122	122	
	87	74	88	107;108;1	123;124;1	126	100;101
	88	87	89	110	129	129	118
	89	84	90	111	130	130	113
	90	58	91	112	131	131	
	91	58	92	113	132;133	132	
	92	47	93	114	134	134	
	93	60	94	115	135	135	81
	94	32	95	116	136	136	
	95	32	96	117;118	137;138	138	
	96	65	97	119	139	139	
	97	58	98	120	140	140	78
	98	25	99	121;122	141;142	142	

	99	35	100	123;124	143;144	143	
	100	45	101	125;126	145;146	146	
	101	62	102	127	147	147	
	102	31	103	128	148	148	
	103	92	104	129	149	149	
	104	91	105	130	150	150	119
	105	64	106	131	151	151	88
	106	60	107	132	152	152	
	107	11	108	133	153	153	
	108	93	109	134;135	154;155	154	
	109	27	110	136;137	156;157	157	
	110	27	111	138	158	158	
	111	96	112	139	159	159	
	112	64	113	140	160;161	160	89
	113	56	114	141	162	162	
+	114	2	115	142	163	163	2
	115	43	116	143	164	164	
	116	82	117	144	165	165	
	117	87	118	145	166	166	
	118	105	119	146	167;168;16	168	
	119	29	120	147;148	170;171	171	
	120	86	121	149	172	172	
	121	60	122	150;151	173;174	174	
	122	51	123	152	175	175	
	123	93	124	153	176	176	
	124	16	125	154	177	177	
	125	94	126	155	178	178	
	126	29	127	156	179	179	
	127	97	128	157	180	180	
	128	47	129	158	181	181	73
	129	106	130	159;160;16	182;183;18	184	
	130	21	131	162	185	185	
	131	13	132	163	186	186	17
	132	45	133	164	187	187	
	133	43	134	165	188	188	
	134	15	135	166	189	189	
+	135	5	136	167	190	190	
	136	82	137	168	191	191	
	137	10	138	169;170	192;193	193	
	138	30	139	171;172	194;195	195	
	139	29	140	173	196	196	
	140	29	141	174	197	197	
	141	74	142	175	198	198	
	142	74	143	176	199	199	
	143	58	144	177	200	200	
	144	58	145	178	201	201	
	145	29	146	179;180	202;203	202	
	146	81	147	181	204	204	110
+	147	4	148	182	205	205	
	148	17	149;150	183;184;18	206;207;20	206	23

	149	86	151	186	209	209	115
	150	83	152	187	210	210	
	151	32	153	188;189	211;212;21	214	
	152	32	154	190	215	215	
	153	42	155	191	216;217;21	217	54
	154	58	156	192	219	219	
	155	17	157	193	220	220	
	156	25	158	194	221	221	
	157	29	159	195;196;19	222;223;22	223	
+	158	1	160	203	252	252	
	159	44	161	204	253	253	
	160	51	162	205;206	254;255	254	74
+	161	6	163	207	256	256	
	162	10	164	208	257	257	16
	163	74	165	209;210	258;259	258	
	164	51	166	211	260	260	
	165	32	167	212	261	261	
	166	32	168	213;214	262;263	262	
	167	51	169	215;216	264;265	265	
	168	32	170	217	266	266	
	169	62	171	218	267	267	
	170	41	172	219	268	268	
	171	64	173	220;221	269;270	270	90
	172	90	174	222	271	271	
+	173	2;6	175	223	272	272	
	174	13	176	224	273	273	
	175	43	177	225	274	274	
	176	17	178	226;227	275;276;27	277	
	177	17	179	228	278;279	279	
	178	32	180	229	280	280	
	179	32	181	230	281;282	281	
	180	94	182	231	283	283	
	181	73	183	232	284	284	
	182	73	184	233	285	285	
	183	65	185	234	286;287	286	
	184	32	186	235	288	288	
	185	17	187	236;237	289;290;29	289	
	186	55	188	238	292	292	
	187	50	189	239	293	293	
	188	32	190	240;241	294;295	294	
	189	27	191	242;243	296;297	297	
	190	13	192	244	298	298	
	191	24	193	245	299	299	
	192	83	194	246	300	300	
	193	82	195	247	301	301	
	194	42	196	248	302	302	
	195	86	197	249	303	303	
	196	45	198	250	304	304	
	197	42	199	251	305;306	306	
+	198	6	200	252	307	307	

+	199	2	201	253	308	308		
+	200	5	202	254	309	309		
+	201	5	203	255	310	310		
+	202	5	204	256	311	311		
	203	43	205	257;258	312;313	312		62
	204	65	206	259	314	314		
	205	29	207	260;261	315;316	316		
	206	17	208	262;263	317;318;31	319		
	207	34	209	264	320	320		
	208	34	210	265	321	321		
	209	32	211	266;267	322;323	323		
	210	77	212	268	324;325	324		
	211	58	213	269	326	326		
	212	58	214	270;271	327;328	327		
	213	74	215	272;273	329;330	330		
	214	32	216	274	331	331		
	215	60	217	275	332	332		
	216	11	218	276	333	333		
	217	29	219;220	277;278;27	334;335;33	334		35
	218	52	221	280	342	342		
	219	33	222	281	343	343		
	220	33	223	282	344	344		
	221	29	224	283	345	345		
	222	65	225	284	346	346		92
	223	45	226	285	347	347		
	224	45	227	286;287	348;349	349		
	225	69	228	288	350	350		
	226	65	229	289;290	351;352	352		
+	227	6	230	291	353	353		
	228	17	231	292;293	354;355;35	357		
	229	72	232	294	361	361		
	230	35	233	295	362	362		
	231	42	234	296;297	363;364	364	55;56	
	232	42	235	298	365	365	55;56	
	233	45	236	299;300	366;367	366		
	234	29	237	301	368;369	368		
	235	43	238	302	370	370		
	236	86	239	303	371	371		
	237	29	240	304;305	372;373;37	372		
	238	58	241	306	375	375		79
	239	65	242	307	376	376		92
	240	31	243	308	377	377		
+	241	5	244	309	378	378		
	242	86	245	310	379	379		
	243	74	246	311	380	380		
	244	8	247	312	381	381		
	245	25	248	313	382	382		
	246	64	249	314	383	383		
	247	49	250	315	384	384		
	248	102	251	316;317	385;386;38	387		

	249	86	252	318	388	388	
	250	35	253	319;320	389;390	390	
	251	31	254	321	391	391	
	252	13	255	322	392	392	
+	253	2;6	256	323	393	393	
	254	36	257	324;325	394;395	395	
	255	54	258	326	396	396	
	256	100	259	327	397	397	
	257	10	260	328	398	398	
	258	29	261	329;330	399;400;4(	400	
	259	111	262	331	404	404	
	260	111	263	332	405	405	
	261	17	264	333;334;33	406;407;4(	406	
	262	105	265	336	409;410	409	126
	263	109	266	337	411	411	128
	264	17	267	338;339	412;413;41	412	
	265	17	268	340;341	415;416	416	
+	266	0	269	342	417	417	0
	267	47	270	343;344	418;419	418	
+	268	4	271	345	420	420	
	269	29	272	346;347	421;422;42	423	
	270	58	273	348;349	424;425;42	424	
	271	58	274	350;351	427;428	428	80
	272	87	275	352	429	429	
	273	62	276	353	430;431	431	
	274	51	277	354;355	432;433	433	
	275	103	278	356	434	434	
	276	70	279	357	435	435	
	277	90	280	358	436	436	
	278	43	281	359;360	437;438	438	
	279	65	282	361	439	439	
	280	73	283	362	440	440	
	281	17	284	363;364	441;442;44	442	24
	282	51	285	365	444	444	
	283	96	286	366	445	445	123
	284	113	287	367	446	446	
+	285	4	288	368;369	447;448	448	
	286	74	289	370	449;450	449	
	287	45	290	371	451	451	
	288	32	291	372	452	452	
	289	58	292	373;374	453;454	454	
	290	19	293	375	455	455	
	291	42	294	376	456	456	
	292	86	295	377;378	457;458	458	
	293	86	296	379	459	459	
	294	31	297	380	460	460	
	295	65	298	381	461	461	
	296	46	299	382;383	462;463;46	464	
	297	51	300	384;385	465;466	466	
	298	63	301	386	467	467	87

	299	45	302	387	468	468			
	300	42	303	388;389	469;470;47	471	54		
	301	51	304	390	472	472			
	302	27	305	391	473	473			
	303	43	306	392	474	474			
	304	58	307	393	475	475			
	305	32	308	394;395	476;477	476			
	306	33	309	396	478	478			
	307	17	310	397;398;39	479;480;48	487			
	308	21	311	403	504	504	30		
	309	65	312	404	505	505			
	310	31	313	405	506	506			
	311	73	314	406;407	507;508	507			
	312	45	315	408	509	509			
	313	32	316	409	510	510			
	314	32	317	410;411	511;512	512			
	315	81	318	412	513	513	111		
	316	29	319	413;414	514;515	514			
	317	29	320	415	516	516			
	318	74	321;322	416;417;41	517;518;51	518	102		
	319	17	323	419;420	520;521;52	520			
	320	25	324	421;422	526;527	527			
	321	86	325	423	528	528			
	322	65	326	424	529	529			
	323	42	327	425;426	530;531	531			
	324	42	328	427	532	532			
+	325	6	329	428	533	533			
	326	31	330	429;430	534;535;53	534			
	327	54	331	431	537	537			
	328	86	332	432	538	538			
	329	60	333	433	539	539			
	330	37	334	434	540	540			
+	331	4;5;3;1	335	435	541	541			
+	332	4;3;1	336	436	542	542			
	333	10	337	437	543;544	543			
	334	10	338	438	545	545			
	335	32	339	439;440	546;547;54	547			
+	336	2	340	441	549	549	3;4		
	337	28	341	442	550	550			
	338	24	342	443	551	551			
	339	24	343	444	552;553;55	552			
	340	21	344	445	555	555			
+	341	4	345	446	556	556			
	342	35	346	447;448	557;558	557			
	343	110	347	449	559	559	129		
	344	39	348	450	560	560	48;49		
	345	28	349	451	561	561			
	346	35	350	452;453	562;563;56	564			
	347	29	351	454	565	565			
+	348	0	352	455	566	566			

	349	62	353	456	567	567	86
	350	35	354	457;458	568;569	569	
	351	35	355	459;460	570;571	571	
	352	10	356	461	572	572	16
	353	93	357	462	573	573	
	354	112	358	463	574	574	
	355	45	359	464	575	575	
	356	60	360	465	576	576	
	357	96	361	466	577	577	
	358	17	362	467;468	578;579;58	580	
	359	93	363	469	581	581	
	360	93	364	470	582	582	
	361	32	365	471	583	583	
	362	92	366	472	584	584	
+	363	4	367	473	585	585	
	364	15	368	474	586	586	
	365	45	369	475	587	587	66
	366	17	370	476;477;47	588;589;59	594	
	367	31	371	487	607	607	
	368	13	372	488	608	608	18
+	369	3	373	489	609	609	
	370	42	374	490	610	610	57
+	371	2	375	491	611	611	2
	372	24	376	492	612	612	
+	373	2	377	493	613	613	
+	374	2	378	494	614	614	
	375	21	379	495	615	615	
	376	13	380	496	616	616	
	377	43	381	497	617	617	
	378	77	382	498;499	618;619	618	
	379	52	383	500	620	620	
	380	10	384	501	621	621	
	381	20	385	502	622	622	
	382	24	386	503	623	623	
	383	65	387	504	624	624	
	384	97	388	505	625	625	
	385	105	389	506	626	626	
+	386	6	390	507	627	627	
	387	31	391	508;509	628;629;63	630	
	388	43	392	510	631	631	
	389	28	393	511	632	632	
	390	76	394	512	633	633	
	391	31	395	513	634	634	
	392	17	396	514;515	635;636	636	
+	393	2	397	516;517	637;638	637	
	394	27	398	518	639	639	
	395	24	399	519	640	640	
	396	65	400	520	641	641	
	397	45	401	521	642	642	
	398	71	402	522	643	643	

		399	31	403	523	644	644			
		400	31	404	524;525	645;646	645			
	+	401	0	405	526	647	647			
+		402	7	406	527	648	648			
		403	31	407	528	649;650	650			
		404	108	408	529	651	651	127		
		405	100	409	530	652	652			
		406	59	410	531	653	653			
		407	17	411	532;533;53	654;655;65	654			
		408	51	412	535	659;660	659			
		409	19	413	536	661	661			
		410	31	414	537;538	662;663;66	662	38		
		411	98	415	539	666	666			
		412	29	416	540	667;668	667			
		413	29	417	541	669	669			
		414	91	418	542	670;671	670			
		415	74	419	543	672	672			
		416	65	420	544	673	673	93;94		
		417	65	421	545	674	674	95		
		418	42	422;423	546;547	675;676	675	58;59;60		
		419	76	424	548	677	677	104;105;10		
	+	420	2	425	549	678	678	5		
		421	60	426	550	679	679	82		
		422	30	427	551	680	680	37		
	+	423	5	428	552	681	681	9		
		424	74	429	553	682	682	103		
		425	15;14	430	554	683	683			
		426	32	431	555;556	684;685	684			
		427	32	432	557	686;687	686			
		428	38	433	558	688	688			
		429	86	434	559	689	689			
		430	24	435	560	690	690			
		431	79	436	561	691	691			
		432	34	437	562	692	692			
		433	46	438	563	693	693			
		434	102	439	564	694;695	694			
		435	24	440	565	696	696			
		436	106	441	566	697	697			
	+	437	2	442	567	698	698			
	+	438	2	443	568	699	699			
	+	439	6	444	569	700	700			
	+	440	2	445	570	701	701			
		441	65	446	571	702	702			
		442	35	447	572;573	703;704	704			
	+	443	6	448	574	705	705			
		444	82	449	575;576	706;707	706			
		445	74	450	577	708	708			
		446	113	451	578	709	709			
		447	59	452	579	710	710			
		448	65	453	580	711;712	712			

	449	62	454	581	713	713		
	450	31	455	582	714	714		
	451	27	456	583;584	715;716	715		32
	452	65	457	585	717	717	96;97	
+	453	2	458	586	718	718	3;4	
	454	60	459	587	719	719		
	455	28	460	588	720	720		
	456	69	461	589	721	721		
	457	35	462	590	722	722		
	458	35	463	591	723	723		
	459	51	464	592	724	724	75;76	
	460	43	465	593	725	725		
	461	47	466	594	726	726		
	462	58	467	595;596	727;728	727		
	463	45	468	597	729	729		67
	464	81	469	598;599	730;731	730		
	465	45	470	600	732	732		
+	466	4	471	601	733	733	7;8	
	467	31	472	602;603	734;735	735		39
	468	82	473	604	736	736		
+	469	5	474	605	737	737		
	470	65	475	606	738	738		
	471	29	476	607	739	739		
	472	58	477	608	740	740		
	473	24	478	609	741	741		
	474	81	479	610	742	742		
	475	39	480	611	743	743		50
	476	10	481	612	744	744		
	477	100	482	613	745	745		
	478	14	483	614	746	746		
+	479	5	484	615	747	747		
	480	23	485	616;617	748;749	748		
	481	68	486	618	750	750		
+	482	5	487	619	751	751		
	483	84	488	620	752	752		
	484	87	489	621	753	753		
	485	51	490	622	754;755	754		
	486	45	491	623	756	756		
	487	51	492	624	757	757		
+	488	2	493	625	758	758		
+	489	2	494	626	759	759		
	490	14	495	627	760	760		
	491	25	496	628;629	761;762;76	762		
	492	51	497	630	765	765		
	493	58	498	631;632	766;767;76	769		
	494	24	499	633;634	770;771	770		
	495	29	500	635	772	772		
	496	29	501	636	773;774	774		
	497	24	502	637	775	775		
+	498	4	503	638	776	776		

	499	52	504	639	777	777		
	500	106	505	640;641	778;779;78	780		
+	501	4	506	642	781	781		
	502	24	507	643;644	782;783	782		
	503	24	508	645	784	784		
+	504	5	509	646	785	785		10
	505	60	510	647	786	786		83
	506	31	511	648	787	787		
	507	94	512	649	788	788		
	508	74	513	650	789;790;79	790		
	509	74	514	651	792	792		
	510	102	515	652;653	793;794;79	793		
	511	10	516	654;655	796;797	797		
	512	65	517	656	798	798		
	513	14	518	657	799	799		
	514	58	519	658	800	800		
	515	82	520	659	801	801		
	516	29	521	660	802	802		36
	517	29	522	661;662;66	803;804;80	806		
	518	29	523	665;666	808;809;81	808		
	519	90	524	667	811	811		
	520	16	525	668;669	812;813	812		
	521	90	526	670	814	814		
	522	58	527	671;672	815;816	816		
	523	86	528	673	817	817		116
	524	32	529	674	818	818		
	525	32	530	675;676	819;820;82	820		
	526	87	531	677;678	822;823	822		
	527	76	532	679	824	824		
	528	29	533	680	825	825		
	529	24	534	681;682;68	826;827;82	826		
	530	65	535	684	829	829		
	531	42	536	685	830	830		
+	532	5	537	686	831	831	11;12	
	533	37	538	687	832	832		
+	534	2	539	688	833	833		
+	535	4	540	689;690	834;835	835		
+	536	3	541	691	836	836		
	537	45	542	692	837;838	838		68
	538	49	543	693	839	839		
	539	81	544	694	840;841	841		
	540	40	545	695	842;843	842		
	541	95	546	696;697	844;845	845		
	542	47	547	698	846	846		
+	543	6	548	699	847	847		
	544	84	549	700	848	848		
	545	45	550	701	849	849		69
+	546	2	551	702	850	850		
+	547	6	552	703	851	851		
+	548	4	553	704	852	852		

	549	15;14	554	705	853	853			
	550	64	555	706	854	854			
	551	64	556	707	855	855			
	552	31	557	708	856	856			
	553	35	558	709;710;71	857;858;85	857			
+	554	4	559	712	860	860			
+	555	2	560	713	861	861			
+	556	2	561	714	862	862			
	557	102	562	715	863	863			
	558	17	563	716;717	864;865;86	864	25		
	559	17	564	718;719	868;869;87	868	25		
+	560	2	565	720	872	872			
	561	72	566	721	873	873			
	562	88	567	722	874	874			
	563	43	568	723	875	875	63		
	564	29	569	724	876;877	876			
	565	29	570	725;726	878;879	878			
	566	87	571	727	880;881;88	880			
	567	86	572	728	883	883			
	568	24	573	729	884	884			
	569	24	574	730	885;886;88	885	31		
	570	40	575	731	892	892	51;52		
	571	99	576	732	893	893			
	572	46	577	733	894	894			
+	573	4	578	734;735	895;896	896			
	574	86	579	736	897	897			
	575	60	580	737	898	898			
	576	46	581	738	899	899			
	577	12	582	739	900	900			
	578	60	583	740	901;902	901	84		
	579	61	584	741	903	903			
	580	32	585	742;743	904;905	905			
	581	51	586	744	906	906			
+	582	5	587;588	745;746	907;908	907	13		
	583	91	589	747	909	909			
	584	29	590	748;749	910;911	911	36		
	585	33	591	750;751	912;913;91	913	40;41		
	586	29	592	752;753	916;917;91	917			
	587	106	593	754	919	919			
	588	33	594	755	920	920	42;43		
	589	32	595	756;757	921;922	921			
	590	21	596	758	923;924	923			
	591	42	597	759	925	925			
	592	29	598	760	926	926			
	593	29	599	761;762	927;928	928			
	594	52	600	763	929	929			
	595	46	601	764	930	930			
	596	48	602	765	931	931			
	597	86	603	766	932	932			
	598	57	604	767	933	933			

	599	82	605	768;769	934;935;93	935	
	600	95	606	770	937	937	
	601	73	607	771	938	938	
	602	29	608	772	939;940;94	940	
	603	90	609	773	942	942	
+	604	2	610	774	943	943	
+	605	2	611	775	944	944	
	606	60	612	776	945	945	
	607	17	613;614	777;778	946;947	947	26
	608	17	615	779	948	948	26
	609	30	616	780	949	949	
	610	74	617	781	950	950	
	611	74	618	782;783	951;952	952	
	612	55	619	784	953	953	
	613	95	620	785	954	954	
+	614	3	621	786	955	955	
	615	45	622	787	956	956	70
	616	98	623	788	957	957	
	617	64	624	789	958	958	
	618	87	625	790	959	959	
+	619	5	626	791	960	960	
	620	20	627	792	961	961	
+	621	2	628	793	962	962	
+	622	5	629	794	963	963	14
	623	15	630	795	964	964	
	624	65	631	796	965	965	98
	625	27	632	797	966	966	
	626	14	633	798	967	967	19
+	627	2	634	799	968	968	
+	628	2	635	800;801	969;970	969	
	629	45	636	802	971	971	
	630	100	637	803	972	972	
	631	33	638	804	973	973	44
	632	97	639	805	974	974	
	633	60	640	806	975	975	
	634	42	641	807	976;977	976	
	635	33	642	808	978	978	
	636	33	643	809;810	979;980	980	
	637	69	644	811	981	981	
	638	66	645	812	982	982	
	639	101	646	813	983	983	124
	640	82	647	814	984	984	
	641	17	648	815;816	985;986;98	988	
	642	65	649	817;818	989;990	989	
	643	70	650	819	991	991	
	644	65	651	820	992	992	
	645	43	652	821	993	993	64
	646	54	653	822	994	994	
	647	35	654	823	995	995	
	648	17	655	824	996;997;99	996	

	649	34	656	825;826	999;1000;1	1000	45;46	
	650	90	657	827	1002	1002		
	651	86	658	828	1003	1003		
	652	39	659	829	1004	1004		
	653	84	660	830	1005	1005		114
	654	17	661	831	1006	1006		
	655	17	662	832	1007;1008	1007		
	656	17	663;664	833;834;83	1009;1010	1010		27
	657	82	665	836	1013	1013		
	658	57	666	837	1014	1014		
+	659	0	667	838	1015;1016	1016		
+	660	6	668	839	1018	1018		
	661	58	669	840	1019	1019		
	662	45	670	841;842	1020;1021	1021		
	663	25	671	843	1022;1023	1022		
	664	26	672	844	1024	1024		
	665	33	673	845	1025	1025		
	666	29	674	846;847;84	1026;1027	1028		
	667	84	675	855	1049	1049		
	668	86	676	856;857	1050;1051	1050		117
	669	45	677	858	1052	1052		
	670	45	678	859	1053	1053		
	671	43	679	860	1054	1054		65
	672	75	680	861	1055	1055		
	673	89	681	862	1056	1056		
	674	45	682	863;864	1057;1058	1058		
	675	60	683	865	1059	1059		
	676	96	684	866	1060	1060		
	677	87	685	867;868	1061;1062	1062		
	678	93	686	869	1064	1064		
	679	104	687	870	1065	1065		125
	680	60	688	871	1066;1067	1066		
	681	29	689	872	1068	1068		
+	682	4	690	873	1069	1069		
	683	45	691	874	1070	1070		
	684	17	692	875	1071	1071		
	685	31	693	876;877	1072;1073	1073		
	686	27	694	878;879	1074;1075	1074	33;34	
	687	25	695	880	1076	1076		
	688	25	696	881;882	1077;1078	1079		
	689	84	697	883	1080	1080		
	690	87	698	884	1081	1081		
	691	25	699	885	1082;1083	1082		
	692	87	700	886	1085	1085		
+	693	6	701	887	1086;1087	1086		15
	694	60	702	888	1088	1088		85
	695	86	703	889	1089;1090	1089		
	696	75	704	890	1091	1091		
+	697	5	705	891	1092	1092		
	698	17	706	892	1093	1093		

	699	25	707	893	1094;1095	1094		
	700	24	708	894	1096;1097	1097		
	701	25	709	895	1098	1098		
	702	32	710	896	1099	1099		
	703	32	711	897;898	1100;1101	1101		
	704	32	712	899;900	1102;1103	1102		
	705	37	713	901;902	1104;1105	1105		47
	706	82	714	903	1106;1107	1107		112
+	707	4;3;1	715;716	904;905	1109;1110	1109		1
	708	29	717	906;907	1111;1112	1112		
	709	29	718	908;909;91	1113;1114	1114		
	710	17	719	911	1116;1117	1116		
	711	65	720	912	1118	1118		
	712	19	721	913	1119	1119		
	713	78	722	914	1120;1121	1123		
	714	32	723	915	1124	1124		
	715	86	724	916	1125	1125		
	716	86	725	917;918	1126;1127	1126		
	717	94	726	919;920	1128;1129	1130		120
	718	58	727	921	1133	1133		
	719	14	728	922	1134	1134		20
	720	18	729	923;924;92	1135;1136	1136	28;29	
	721	33	730	927	1141	1141		
	722	42	731	928	1142	1142		
	723	42	732	929;930	1143;1144	1144		
	724	24	733	931	1145	1145		
	725	42	734	932	1146	1146		
	726	42	735	933;934	1147;1148	1147		
	727	17	736;737	935;936;93	1149;1150	1149		22
	728	32	738	938	1153	1153		
	729	53	739	939	1154	1154		
+	730	2	740	940	1155	1155		
	731	16	741	941	1156	1156		
	732	42;23	742	942	1157	1157		
	733	42;23	743	943;944	1158;1159	1159		
	734	106	744	945	1160	1160		
	735	65	745	946	1161	1161		
	736	86	746	947	1162	1162		
	737	81	747	948	1163	1163		
	738	16	748	949;950	1164;1165	1164		
	739	25	749	951	1166	1166		
	740	25	750	952	1167	1167		
	741	37	751	953	1168	1168		
	742	37	752	954	1169	1169		
	743	39	753	955	1170	1170		
	744	24	754	956	1171	1171		
	745	82	755	957	1172	1172		
	746	60	756	958	1173	1173		
	747	20	757	959	1174	1174		
	748	29	758	960	1175	1175		

749	74	759	961	1176	1176	
750	76	760	962	1177	1177	108
751	54	761	963	1178	1178	
752	86	762	964	1179	1179	
753	76	763	965	1180	1180	109
754	76	764	966	1181	1181	109
755	65	765	967	1182	1182	

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Sequence	N-term cle	C-term cle	Amino acic	First amino	Second am	Second las	Last amino	Amino acic
AAAPPPVR	SLRAAASK	AAAPPPVR	K	A	A	V	R	L
AAFLGSEV	TKPVLKKK	AFLGSEVR	K	A	A	V	R	L
AAIAEEQIL	VASEMNTI	AEEQILNK	K	A	A	N	K	Q
AALANVYE	AQDFEGVF	LANVYEYR	R	A	A	Y	R	G
AALLSVGK	ENDPEVFK	AALLSVGK	K	A	A	G	K	I
AANQGALI	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AAVEEGILF	DDALNATF	GGGTALVK	R	A	A	V	K	A
ADLEMQIE	LDELTLTKA	TEELAYLKK	K	A	D	L	K	K
AEAESLVAI	VLEQELVR	AQLSNITRE	R	A	E	T	R	E
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AEAESLYQ	EDIAQKSK	ELQITAGR	K	A	E	G	R	H
AFAPTTVN	IAEQIFWR	PTTVNSGR	R	A	F	G	R	G
AFQFFQLN	DPSKTIPKA	FQLNNVPF	K	A	F	P	R	L
AFSMNPAI	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AGDLTEIG	KRDFEILKA	DLTEIGEKC	K	A	G	E	K	G
AGESGSEG	KYSNDELK	SVPIEIPKKI	K	A	G	P	K	K
AGISYAAYL	_____	NVAAQAIR	K	A	G	I	R	S
AGREELER	YNEFLYSKA	AGREELER	K	A	G	E	R	V
AHGGFSVF	ELINNIAKA	VFTGVGER	K	A	H	E	R	T
AHGNSGHI	RIQSVTLKA	HDITTFGRI	K	A	H	G	R	I
AHQTELTH	ARAYRIIRA	LTHHLLPRI	R	A	H	P	R	N
AIADLAVG	LAYIGSDKA	DLAVGEAK	K	A	I	A	K	Y
AIAMDPHI	APMYQIM	MDPHDTTI	K	A	I	T	K	V
AIFEILNK	FQDVTREK	AIFEILNKSI	K	A	I	N	K	S
AISLGLR	ETLSYFARA	RAISLGLRL	R	A	I	L	R	L
AITMEIR	ACRDVVSR	RAITMEIRE	R	A	I	I	R	E
AKANSIINA	PEKQTDPK	PGNNILTK	K	A	K	T	K	T
AKQPVKDC	NGIKFSLKA	LSTNVEAK	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYKC	K	A	K	Y	K	Q
ALEEANAD	ASYLDKVR	ANADLEVK	R	A	L	V	K	I
ALEESNYEI	ASYLDKVR	SNYELEGK	R	A	L	G	K	I
ALELKPDY	KVVEMSTK	ELKPDYSK	K	A	L	S	K	V
ALKQVAGS	VGSAAQVK	KQVAGSLK	K	A	L	L	K	L
ALKQVAGS	VGSAAQVK	KLFLAQYR	K	A	L	Y	R	E
ALNAEGTC	LVDRMVKF	EHGVGIGK	R	A	L	G	K	R
ALTTLVYSI	FYSGGPLK	SDNLNLQR	K	A	L	Q	R	S
ALVHHYEE	FKNTEEGK	HYEECAER	K	A	L	E	R	V
AMLNNSM	DQATKTRK	NNSMSLYF	K	A	M	Y	R	C
ANLLSSSNF	NQSFIQQK	SSNFEATK	K	A	N	T	K	K
ANLLSSSNF	NQSFIQQK	SNFEATKK	K	A	N	K	K	S
ANSIINAIP	KQTDPKAK	PGNNILTK	K	A	N	T	K	T
APGILPR	GRSRAQVK	KAPGILPRF	K	A	P	P	R	R
APGQSTVC	SKVNKTKK	GLLAQLAK	K	A	P	A	K	Q
APILINNLL	AALNDPAK	NLLDSGIRL	K	A	P	I	R	L
AQAQNLA	DFINEYKKA	LAAEEEERL	K	A	Q	E	R	L
AQEDVPYL	LPRNEWIK	LEAEAAAK	K	A	Q	A	K	E
AQIYDDQL	TLFQATYK	DDQLQNYI	K	A	Q	Y	R	D
AQYEEIAN	DSIIAEVKA	QYEEIANR	K	A	Q	N	R	S
AQYEEIAQ	DSIIAEVKA	QYEEIAQR	K	A	Q	Q	R	S

ASEFYYGF/ AKFLVFER/ YYGFAGPK R	A	S	P	K	E
ASLVYHDG MLTTDNLK DGSFNDSR K	A	S	S	R	L
ATFLKDDL DREYITLKA ALADVLYK K	A	T	Y	K	T
ATLILASST/ SRSPEPIKA ASSTAKPK K	A	T	P	K	E
AVADVWS SPYDLNGK SDLEAEFK(K	A	V	F	K	Q
AVDALVPI(EPVQTGLK DALVPIGR(K	A	V	G	R	G
AVHETIAE(EYATRISKA HETIAEGK K	A	V	G	K	H
AVLEGKYD KDTVASFK GIEDVVAK K	A	V	A	K	A
AVQNIILGI FADAELKK/ EVCCAGSR K	A	V	S	R	V
AWISLAVE LRDDTLPK/ SPNYFVAK K	A	W	A	K	L
AYGEGEEH KAERDEIK/ EPVVEIPK R	A	Y	P	K	R
AYTEQNVE LQGPEALK VETAHVAK K	A	Y	A	K	E
AYTSHLSSK _____ YTSHLSSKT M	A	Y	S	K	T
DANNEWF QVTCYGYK NNEWFFN K	D	A	N	R	E
DAPTFQES LSINGIGKD ESALIADKL K	D	A	D	K	L
DDLPYYVN TLKATFLKD ALADVLYK K	D	D	Y	K	T
DEEGQDVI LTIAEYFRD LFIDNIFRF R	D	E	F	R	F
DELATLQA IAEGWIPRI ELATLQAR R	D	E	A	R	L
DFQSYIVSS ALSSNISRD SLPGSTDK R	D	F	D	K	S
DFYTAEGE WPEEIKER YTAEGEYR R	D	F	Y	R	V
DGPLSTNV LKAKQPVK LSTNVEAK K	D	G	A	K	L
DGTHYLSN RRFGMKHI THYLSNVR K	D	G	V	R	T
DGVAHLLN GGSRYATK GVAHLLNR K	D	G	N	R	F
DIALGSSV SDVGQGPI GSSVVSIK R	D	I	I	K	N
DIENQYET QLIAKNRK QEVQSSAK K	D	I	A	K	E
DIGGSSST AEGKHTTR FTNEIINKL R	D	I	N	K	L
DKFVEGLS RWKSLSTK VEGLSNNK K	D	K	N	K	Y
DKGEILQR ITGTIHDR DKGEILQR R	D	K	Q	R	C
DLFEYTLA DTDANVPF YAAEISARF R	D	L	A	R	R
DLQSTLDN SLVSKELK LDNIQSAR K	D	L	A	R	P
DLQSTLDN SLVSKELK LTVDDLTK K	D	L	T	K	I
DLVPDLTN LPHMFIVK TNFYQQYK K	D	L	Y	K	S
DMGLLDVI LPSFYCPK DMGLLDVI K	D	M	V	R	T
DQDSAVVS GLFTLFVR AVVSSNIK R	D	Q	I	K	K
DQDSAVVS GLFTLFVR VVSSNIKK R	D	Q	K	K	I
DRFGNLNV KWDVPGY RFGNLNVM K	D	R	V	M	-
DRIDSVSQ NKHVEAVK QNVAETTK K	D	R	T	K	V
DRNSVIDA LNPALSLK DAIVETHK K	D	R	H	K	N
DSAYTLGQ YIPQEISRD QLGLVQFR R	D	S	F	R	D
DSGLWGFS NHFSLSYK WGFSTATF K	D	S	T	R	N
DSWAGHV GFKELSER WAGHVAC R	D	S	Q	K	G
DTDYDDFE LAAGPVKK DYDDFEMI K	D	T	M	R	G
DVDGAYM NEFVTIKK VDGAYMT K	D	V	T	K	V
DVDNAYM NDFVTLKK VDNAYMI K	D	V	I	K	V
DVETNELV KVIGAEAR VETNELVR R	D	V	V	R	I
DVFLSQYF NLNKEVSR QYFFTGLR R	D	V	L	R	A
DVHNGYIL SSVEHIMR VHNGYILR R	D	V	L	R	Y
DVTTFLNV ATTSQMAI AEPEHDER K	D	V	E	R	K
DVTTFLNV ATTSQMAI EPEHDERK K	D	V	R	K	R
DWEPQESI GTAIYMAR QESEELKK R	D	W	K	K	D

DYAVFEPG	VAGANFGI	AVFEPGSR	R	D	Y	S	R	H
DYFSPSSEE	SPKGHVIRI	SSNHLLNK'	R	D	Y	N	K	Y
DYQELMN	EDLARLLRI	YQELMNTI	R	D	Y	T	K	L
DYSLGATLI	MALSYFAK	AFLQVGAK	K	D	Y	A	K	A
DYVDQDLF	VEFAAELRI	DYVDQDLF	R	D	Y	L	R	K
DYVDQDLF	VEFAAELRI	YVDQDLRK	R	D	Y	R	K	W
EAAEAAIQ'	NVSSSDAR	ENLQSVLK_	R	E	A	L	K	-
EALQILNLT	FDPKMNSI	LTENTLTKK	K	E	A	T	K	K
EAYPGDVF	LLRRPPGRI	DVFYLHSRI	R	E	A	S	R	L
ECPNIAGFI	LITKYGPKE	PHIDEALKC	K	E	C	L	K	Q
EDDVEEAV	ICHIYEGRE	EAVQAADI	R	E	D	D	R	A
EDVLSAWA	YIEFPVKRE	AGVRPLVR	R	E	D	V	R	D
EEGIGSFYS	GGFSRILKE	GFTPILFKQ	K	E	E	F	K	Q
EFAETLRTA	SLLTTKLRE	ETLRTALKE	R	E	F	L	K	E
EFINDPR	ADLSSNTKI	KEFINDPRI	K	E	F	P	R	N
EGELVKR	FGSDRLVK	KEGELVKR'	K	E	G	K	R	T
EGICGSCAI	LTFRRSCRE	CAMNIGGI	R	E	G	G	R	N
EGVYEAVE	NIKQTDHK	EAVESLKRI	K	E	G	K	R	N
EHAALEPR	NFGEGSSR	EHAALEPR	R	E	H	P	R	F
EISDAQEIR	YEYSSFLKE	ISDAQEIRL	K	E	I	I	R	L
EKDELDNIE	LEAEAAAK	LDNIEVSK_	K	E	K	S	K	-
EKGELSKEI	NELLTEIRI	KELLASLKS	R	E	K	L	K	S
ELDSWFQE	SELYAIAKE	SWFQDVTI	K	E	L	T	R	E
ELIIGDR	VPIGRGQR	RELIIGDRQ	R	E	L	D	R	Q
ELIVAITSDI	ATETGAPK	IVAITSDKG	K	E	L	D	K	G
ELIVAITSDI	ATETGAPK	SIHSQLAKA	K	E	L	A	K	A
ELKDLQSTI	ETESLVSKE	LDNIQSARI	K	E	L	A	R	P
ELKDLQSTI	ETESLVSKE	LTVDDLTKI	K	E	L	T	K	I
ELLASLK	REKGELSKE	KELLASLKS	K	E	L	L	K	S
ELMDENFC	ERWFPSSR	LMDENFCF	R	E	L	C	R	R
ELTTEIDNN	AWFNEKSK	IEQISSYKSE	K	E	L	Y	K	S
EMKETGVI	REGNDLYR	INLEGESKV	R	E	M	S	K	V
EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
ENLEVSGEI	FADKVYTK	VVEADLKR	K	E	N	K	R	F
ENTEGEYSC	NVDLVLIRE	PGVVQSIK	R	E	N	I	K	L
EQDPDNVI	KKFRKIRKE	DNVFLANK	K	E	Q	N	K	Q
ESELLGGTF	RSALKLVRE	ELLGGTFKS	R	E	S	F	K	S
ESEVSGSVA	GGKKTVKK	SGSSTGVK'	K	E	S	V	K	T
ESNFLIDFL	PPAPAPKK	GVSAAVAK	K	E	S	A	K	T
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETGVINLEC	NDLYREMK	INLEGESKV	K	E	T	S	K	V
ETVELESEA	KVLFDVSKI	ESEAFELKC	K	E	T	L	K	Q
ETVEPVVQ	NQNIQENK	VVQDSEPK	K	E	T	P	K	E
EVAAFAQF	KLFLAQYRE	SDLDASTKC	R	E	V	T	K	Q
EVATNSEL'	TKTEELNRE	SELVQSGK	R	E	V	G	K	S
EVKDEQSY	RKLSKLTRE	EQSYIVIRE	R	E	V	I	R	E
EVNSDLYG	VYQTTFERI	NSDLYGER	R	E	V	E	R	G
EVTAALEN	GLAPEGSK	VGLVAGGK	K	E	V	G	K	S
EYPDLTLET	NVAKELSKI	LIDNSVLKV	K	E	Y	L	K	V
FACNDQYC	EAPKRATK	ACNDQYQI	K	F	A	Q	K	I

FALAGAIG(	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FASFIDK	QIKTLNNKI	KFASFIDKV	K	F	A	D	K	V
FDDLIAEEN	GYKKLGLKI	PIMQTALR	K	F	D	L	R	R
FDGILGLG\	GLTFAFGK	YDTISVDK\	K	F	D	D	K	V
FEDKDHLLI	HDHQYLIK	DKDHLLFK	K	F	E	F	K	L
FEIDTDAN\	EQSPSFGK	DTDANVPF	K	F	E	P	R	D
FFIDNLGYI	GGYEVFKK	LGYDTASR'	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	FFLGEENR\	K	F	F	N	R	V
FFLGEENR\	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FGGFGGPC	GGGFGGG	LLQPLNVK'	R	F	G	V	K	V
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FGSYYLR	WDEAHFG	KFGSYYLRF	K	F	G	L	R	H
FIGDSVAAI	LGEENRVR	AIGIPVNKA	R	F	I	N	K	A
FISEVENTI	LDSIRAARF	NTDPTQER	R	F	I	E	R	V
FLEQQNQ\	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLEQQNQ\	ASFIDKVRF	QQVDTSTF	R	F	L	T	R	T
FLGGFAIITI	EHAALEPR	GGFAIITKS	R	F	L	T	K	S
FLSQPFAV/	ERARKIQRI	VFTGIPGKI	R	F	L	G	K	L
FLSQPFAV/	ERARKIQRI	GIPGKLVRI	R	F	L	V	R	L
FLVDESPK	EQVFSSPKI	FLVDESPKI	K	F	L	P	K	I
FMGKPGVI	HVQPKLLK	KPGVLSPR/	K	F	M	P	R	A
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNYVAVGI	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FPTPILK	_____	RFPTPILKV	R	F	P	L	K	V
FPYAVLEVI	LDDKDICRI	PYAVLEVKI	R	F	P	V	K	L
FQDTLYK	VFTEGWPK	KFQDTLYKI	K	F	Q	Y	K	K
FSNSSSSNI	HEYGSCGR	SSSNEFSKC	R	F	S	S	K	C
FSSSSGYG(	GGRGGGG	GYGGGSSR	R	F	S	S	R	V
FTDGGLFTI	ISSAKLDKF	GLFTLFVRI	K	F	T	V	R	D
FTQAGSEV	LFIDNIFRFT	EVSALLGRI	R	F	T	G	R	I
FTVTLIPGD	LPKKYGGR	IPGDGVGK	R	F	T	G	K	E
FVDESLLST	VVEADLKR	LSTLPAGK'	R	F	V	G	K	S
FVFNPPKP	WAGIKTRK	VFNPPKPR	K	F	V	P	R	K
FYKGESFA/	GSSFHFSRF	SFAASIARF	R	F	Y	A	R	H
GAFDLCLK	TQPFFTAR	GAFDLCLK'	R	G	A	L	K	S
GAILSGPP(	KMGAKIPR	SGPPGTGK	R	G	A	G	K	T
GALAYIGSI	EDFKYNHK	LAYIGSDK/	K	G	A	D	K	A
GCGANILR	EGVGSLFK	GCGANILR	K	G	C	L	R	G
GDEDPEKL	VIEIMDQR	HTLTTSFRI	R	G	D	F	R	I
GDVDLVIN	GKAISSSR(	DLVINYLK'	R	G	D	L	K	S
GFISPYFITI	TEGMRFDF	PYFITDPK'	R	G	F	P	K	S
GFLPSVVG	DGVAGLYR	VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV'	GGGGGGF	AVVSGGSR	R	G	F	S	R	R
GFSSGSAV'	GGGGGGF	VVSGGSRR	R	G	F	R	R	S
GGGGGGY	TISGGGSR(	GGGGGGG	R	G	G	G	R	G
GGGGSFG\	GSSRVCGR	GGFGGGSF	R	G	G	S	R	G
GGNVLPIH	_____	LPIHYDPKT	M	G	G	P	K	T
GGSGGGG	GGRQSGSF	SGGGSGGF	R	G	G	G	R	Y
GGSGGSH(	YGGGSGSR	GYGGGSGI	R	G	G	G	K	S
GIRPAINV(	LEAELFYK(	NVGLSVSR	K	G	I	S	R	V

GISELGIYP/	DATTVLSR(	AVDPLDSK	R	G	I	S	K	S
GITSYAVSP	HMGGPKQ	AVSPYAQK	K	G	I	Q	K	P
GITSYAVSP	HMGGPKQ	NAVFNSFR	K	G	I	F	R	R
GKDLSPAIN	KIVADLKK(	SPAINYTKL	K	G	K	T	K	L
GKHDTAGS	NSTIDALR(	ALTGALFK	R	G	K	F	K	S
GKPNSTVL	NHNARFLK	TLDGIISKK	K	G	K	S	K	K
GKWDVPG	KVEEMVKK	KWDVPGY	K	G	K	Y	K	D
GKWDVPG	KVEEMVKK	DVPGYKDF	K	G	K	D	R	F
GLAVNDFL	PEQNSSKR	VNDFLQVK	R	G	L	V	K	G
GLCGSIHS(	IVAITSDKG	SIHSQLAK/	K	G	L	A	K	A
GLFLEDESL	IMDEAAER	DESLNSSR	R	G	L	S	R	S
GLGNPLLYI	LYAITFRKG	LLYDGVER	K	G	L	E	R	V
GLTLEEVN	LLVVPETK(	EEGVLPWK	K	G	L	W	K	S
GLYYGSYR	VMFMHM/	GLYYGSYR	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK(	IVLFGSDRL	K	G	M	D	R	L
GMALNLEF	VEFSSGVK(	FGSDRLVK	K	G	M	V	K	E
GNFFSSNP	PLTAKQSK(	SFVVDTYK(	K	G	N	Y	K	Q
GNNYDLEI	GWIPSSRR	HDDKPWY	R	G	N	Y	K	A
GPAPLNLE	DISGRIRKG	DGDKVIVG	K	G	P	V	G	-
GPIDAAGR	LGNPIDGK(	GPIDAAGR	K	G	P	G	R	S
GSIDITTTN	QERIEQIKG	TTTNSYEKE	K	G	S	E	K	E
GSLGGGFS	SLRISSSKG	FSGGSFSR(	K	G	S	S	R	G
GSNVVRPY	FAKFVTPK(	PVSDLSQK	K	G	S	Q	K	G
GSSGGGCF	FSGGSFSR(	GFGGGSFR	R	G	S	F	R	G
GSSSGGGY	AFGGSGGF	SSYGSGGR	R	G	S	G	R	Q
GSVTSVQA	ERITTTKKG	DATTVLSR(	K	G	S	S	R	G
GTPNDAY\	PQKPGGVF	YVPPPENK	R	G	T	N	K	L
GTVTSAEP	DAHNGLLK	SAEPLDPK	K	G	T	P	K	S
GVAGAGV	GCGANILR	LQMILFGK	R	G	V	G	K	K
GVAGAGV	GCGANILR	QMILFGKK	R	G	V	K	K	F
GVETLAEA	EGRASLLK(	VAATLGPK	K	G	V	P	K	G
GVSDEANL	SILEERIKG\	ANLNETGR	K	G	V	G	R	V
GYDAGEN	HGDGLPQF	YQAPPADF	R	G	Y	D	R	S
GYFIKPTVF	GGERLGSK	PTVFGDVK	K	G	Y	V	K	E
HALIVYDDI	EWFRDNG	IVYDDLSK(	K	H	A	S	K	Q
HDLTLWY\	VTCASSGR	LLPEDTKR	R	H	D	K	R	I
HEDLVNSI	VVGTGNIK	LVNSIESKN	K	H	E	S	K	N
HEFYHDVH	KFGSYYLR	DVHPPLGK	R	H	E	G	K	M
HGGGGGG	SSFSCLSRH	GGGGFGSF	R	H	G	S	R	S
HGSGSGH	GQSPSRGR	GWSSSSGF	R	H	G	G	R	H
HGVQELEI	AKEVTQLR	ELQSQLSK	R	H	G	S	K	K
HIYQSAAA	TGSTATGR	QSAAAGLK	R	H	I	L	K	K
HKDGTHYL	FLRRFGMK	THYLSNVR	K	H	K	V	R	T
HLIWDTAK	IHYGGAIR	HLIWDTAK	R	H	L	A	K	E
HLNDQPN/	QLAKAVRR	DIVTIGDK	R	H	L	D	K	I
HLNDQPN/	QLAKAVRR	VTIGDKIK	R	H	L	I	K	M
HMDLPEIA	RLLIPVAKH	DLPEIAAKL	K	H	M	A	K	L
HQDTDAFL	YFDIITIKH(	FLHSHLAR	K	H	Q	A	R	Y
IAAGDGDI	LWKDVKAF	GDGDDDD	R	I	A	D	E	-
IALPTRVEP	LQRTPGKK	LPTRVEPK	K	I	A	P	K	V

IANVVHFYI	GSAPNAKF	ANVVHFYK	R	I	A	Y	K	S
IAPALVTGI	PLLMWAV	TGNTVVLK	K	I	A	L	K	T
IASDFGVLI	NRLGCFEK	DAHNGLLK	K	I	A	L	K	G
IDQLNWK	QYFKKAYK	KIDQLNWI	K	I	D	W	K	M
IDSEEAEYII	VSTKFNSRI	SEEAEYIKLI	R	I	D	I	K	L
IEISELNR	GDSVRNSK	IEISELNRVI	K	I	E	N	R	V
IGASALGG	DKLNPFEKI	NQPIEVIRV	K	I	G	I	R	V
IGDYILK	QSFTSIARI	RIGDYILKSI	R	I	G	L	K	S
IGEFESSFLS	LDGIELSRI	SSFLSYLKSI	R	I	G	L	K	S
IGLFGGAG	APYARGGK	FGGAGVGI	K	I	G	G	K	T
IGVLANHV	NLPAKSGR	VMEGSNSI	R	I	G	S	K	K
IINVIGEPI	VGRETLGR	IGEPIDERG	R	I	I	E	R	G
IINVIGEPI	VGRETLGR	IDERGPIKS	R	I	I	I	K	S
IISGLGVGG	WYQYFIGR	LISEIAPKHI	R	I	I	P	K	H
IKDEQDSTI	MVLDALLK	QDSTLTFRI	K	I	K	F	R	R
IKEWYEK	SNYELEGKI	KIKEWYEKI	K	I	K	E	K	H
IKGVSDEAI	VSSILEERIK	ANLNETGR	R	I	K	G	R	V
IKPEIDAK	LTVDDLTKI	IKPEIDAKV	K	I	K	A	K	V
IKPEIDAKV	LTVDDLTKI	AKVEEMVI	K	I	K	V	K	K
ILIAEGWIP	SNYDTNRK	IAEGWIPRI	K	I	L	P	R	D
ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILSNEQIYN	ESTCSGKKI	SNEQIYNR	K	I	L	N	R	W
IPLLGPTLEI	FQDTLYKK	TPPEDKPN	K	I	P	P	N	-
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IQLEPTVYN	PIDVVKTRI	LEPTVYNK	R	I	Q	N	K	G
IQQEQMG	EEEKEKIRI	GGQTFTLK	R	I	Q	L	K	D
IQSVDAVS	PFDVVKSR	DAVSSAVK	R	I	Q	V	K	K
IRLENEIQT	YQQLLDIKI	ENEIQTYRS	K	I	R	Y	R	S
ISIFEAVHG	PSANIGHK	PDIAGQDK	K	I	S	D	K	A
ISIFYNDPV	MKAGTYPI	EKPIFNAKT	K	I	S	A	K	T
ISISTSGGSI	YNLGGSKR	STSGGSFRI	R	I	S	F	R	N
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ISYKPASFIS	LLPEDTKRI	KPASFISKF	R	I	S	S	K	F
ITGSTATQI	AKVISSLRIT	TQLSSFKKF	R	I	T	K	K	R
ITSGQELNF	RLMSNHTK	TSGQELNR	K	I	T	N	R	V
ITSTDPNAI	RNVFKDGK	DPNADYGI	K	I	T	G	K	N
IVAAEGVG	GAFDCLRK	EGVGSLFK	K	I	V	F	K	G
IYQQSVK	TSDTSTARI	RIYQQSVKI	R	I	Y	V	K	E
KAAFLGSE	GTKPVLKK	AFLGSEVRI	K	K	A	V	R	L
KAGISYAA	_____	NVAAQAIR	R	K	A	I	R	S
KAPGQSTV	LSKVNKTKI	GLLAQLAK	K	K	A	A	K	Q
KDAEAWFI	EQLAEQNF	AEAWFNEI	R	K	D	E	K	S
KDRYDDAL	SEVEVGEK	DDALNATF	K	K	D	T	R	A
KESNFLIDF	LPPAPAPKI	GVSAAVAK	K	K	E	A	K	T
KGEELEIVG	RVERGNLK	GHNSTPLK	K	K	G	L	K	T
KGLGNPLL	QLYAITFRK	LLYDGVER	R	K	G	E	R	V
KGPAPLNL	YDISGRIRK	AYEFDGDK	R	K	G	D	K	V
KGSVTSVQ	QERITTTKK	DATTVLSR	K	K	G	S	R	G
KIEALIR	DIIYIQEKKI	KKIEALIRN	K	K	I	I	R	N

KIPLLGPTLI	KFQDTLYKI	TPPEDKPN	K	K	I	P	N	-
KISSIQDILP	PLLLLSEKKI	LEISNQSRF	K	K	I	S	R	R
KIVAAEGV(	DGAFDCLR	EGVGSLFK(	R	K	I	F	K	G
KLLDGLKK	ELPLRSTRK	KLLDGLKK(	R	K	L	K	K	C
KLSSYAQSI	IVLNMFEKI	HLENTSIKV	K	K	L	I	K	V
KLYCVYVA'	NNGSDESK	VYVAVGQI	K	K	L	Q	K	R
KMDEAEQI	EKAKISAKK	EAEQLFYKI	K	K	M	Y	K	N
KPIHADPP:	GPIKSKLRK	EILETGIKV'	R	K	P	I	K	V
KTFGLFAN'	RSLNLTLRK	FANVRPAK	R	K	T	A	K	S
KVDATTITA	LRLKTMVK	DATTITAK]	K	K	V	A	K	T
KVSDVLNA	DFADARM	SDVLNASR	K	K	V	S	R	N
KYAGILDCI	LKQGTLDR	AGILDCFKI	R	K	Y	F	K	R
KYAGILDCI	LKQGTLDR	GILDCFKR]	R	K	Y	K	R	T
KYDTAVKP	PGFDIVARI	VIDDATVK'	R	K	Y	V	K	V
KYWLDNPI	KQLIDSLKK	KYWLDNPI	K	K	Y	P	R	R
LAADVPLEI	PQTASTSKI	VPLEPESKA	K	L	A	S	K	A
LAAQIFGS'	SPNYFVAK	NAFEPASR	K	L	A	S	R	L
LADGLFVN	VHKSTIQRI	GLFVNVAK	R	L	A	A	K	E
LAELIEQDK	DRGKALYR	IETLDNGKA	R	L	A	G	K	A
LAGAEEW]	PCHTRDIKI	QNYHLSSK	K	L	A	S	K	M
LAGNASW(	MAGIEAEK	WGELFSTK	K	L	A	T	K	T
LANVSAVT	CAAPFTSKI	SAVTNIIRC	K	L	A	I	R	Q
LAPSTLQD/	LRELKDTKL	LQGPEALK.	K	L	A	L	K	A
LASYLDK	TMQNLND	RLASYLDK'	R	L	A	D	K	V
LASYLDKVI	TMQNLND	ASYLDKVR/	R	L	A	V	R	A
LCVPVANC	LKSPVLSKL	FINLAGYKI	K	L	C	Y	K	K
LCVPVANC	LKSPVLSKL	INLAGYKKI	K	L	C	K	K	L
LDKFTDGG	SGLISSAKL	GLFTLFVRI	K	L	D	V	R	D
LDSNNSSV'	NYFDKALK	NSSVYYHR	K	L	D	H	R	G
LEFANLTP(	NTNNLQTI	ANLTPGLK	K	L	E	L	K	N
LEFANLTP(	NTNNLQTI	SLTPGVAK:	K	L	E	A	K	S
LENEIQTYI	QLLDIKIRL	ENEIQTYR:	R	L	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK(	K	L	E	I	K	G
LETENDGV	VSLFGIYKL	DGVVGLVI	K	L	E	V	K	S
LETLDNQT	RNTGLTPK	TLDNQTM	K	L	E	M	R	N
LFAGMSPE	NIKPLTTRL	GMSPEMA	R	L	F	A	K	K
LFDNIIVFP'	DLYDKEQR	NIIVFPTKG	R	L	F	T	K	G
LFEEQLDK	ESFTKAARI	NNEDEKLK	R	L	F	L	K	E
LFGVEGTY/	AAAPPPVR	ALYQAAAK	R	L	F	A	K	N
LFLAQYR	KQVAGSLK	KLFLAQYR	K	L	F	Y	R	E
LFLAQYRE'	KQVAGSLK	SDLDASTK(	K	L	F	T	K	Q
LFLGQGLIT	GSIEFVSKL	LGQGLITK'	K	L	F	T	K	Y
LFLNELGIY	GAVPNTIR	LGIYPSPKG	R	L	F	P	K	G
LGDGLFR	VHKANIMI	KLGDGLFR	K	L	G	F	R	N
LGEHNIDV	YKSRIQVR	EQFINAAK	R	L	G	A	K	I
LGEMIAR	ELATLQAR	RLGEMIAR	R	L	G	A	R	L
LGHLLLNP/	STVKKNPK	LNPALSLK	K	L	G	L	K	D
LGHLLLNP/	STVKKNPK	PALSLKDR	K	L	G	D	R	N
LGLKFDDLI	INLAGYKKL	PIMQTALR	K	L	G	L	R	R
LGPISNLVK	YLDKVESK	GPISNLVK:	K	L	G	V	K	S

LGVDIIR	VVDNFDQI	KLGVDIIRK	K	L	G	I	R	K
LHPLAGLD	GMHVDTA	HPLAGLDK	R	L	H	D	K	G
LHSHDHKP	FHTVTRCR	SESSDWQI	R	L	H	Q	K	E
LIDEYGDDI	EGSVIIGKL	EYGDDFAK	K	L	I	A	K	G
LINASESTD	LLDENMM	NASESTDR	K	L	I	D	R	C
LIPFLEYLA	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LIQMEDAT	NASYLEERI	TDQIEVQK	R	L	I	Q	K	N
LKANEELL	KDKELEEKI	NEELLQAK	K	L	K	A	K	H
LKDTVASFI	GIPGKLVRI	KDTVASFK	R	L	K	F	K	A
LKNAVQNE	SPAINYTKL	ELNFDAVK	K	L	K	V	K	D
LKYENEVA	RLAADDFR	YENEVALR	R	L	K	L	R	Q
LLASAMEK	NGDSHVGI	LLASAMEK	K	L	L	E	K	V
LLDAAVVG	DPLDSKSRI	EHYDVASK	R	L	L	S	K	V
LLDNIQEY	ASRLQGIKI	NHFSLSYKI	K	L	L	Y	K	D
LLIQNQDE	ASPIERVKL	QNQDEMLI	K	L	L	L	K	Q
LLRDYQELI	QAKEDLAR	YQELMNTI	R	L	L	T	K	L
LMDSNND	TSVSKVLKL	DAVQTLQI	K	L	M	Q	K	L
LNDKQTGL	LSTNVEAKI	NTNNLQTI	K	L	N	T	K	L
LNDLEDAL	ALKDAKNK	EDALQQAI	K	L	N	A	K	E
LNDLEDAL	ALKDAKNK	QAKEDLAR	K	L	N	A	R	L
LNRPFTYAI	TLDIVRKRL	RPFTYAEKI	R	L	N	E	K	I
LNSASAVA	AIEYLKARL	YLQAFVSK	R	L	N	S	K	T
LNYGWDK	NDLSVSGR	LNYGWDKI	R	L	N	K	K	N
LNYNKDEL	ENEINDSRI	KDELTSAKI	R	L	N	A	K	I
LPEDESYAI	IMQTALRR	PEDESYAR	R	L	P	A	R	A
LPLQDVYK	RPTDKPLRI	LPLQDVYK	R	L	P	Y	K	I
LPNSNVNII	AKATMNC	VNIEFATR	K	L	P	T	R	Y
LPTEDSEM	DTRRFTFKI	LASALFAKI	K	L	P	A	K	F
LQFALPHE	AAASSGLK	TQVNLPAK	K	L	Q	A	K	S
LQGEIAHV	ELNRVIQRI	QGEIAHVK	R	L	Q	V	K	K
LQLGQLYE	ERAKSLLKL	LGAEVLIKC	K	L	Q	I	K	G
LQLNTVLN	IPPNSPGKL	TVLNHITKI	K	L	Q	T	K	R
LQTQTGSG	PIEHVRIRL	SGTNAEFK	R	L	Q	F	K	G
LQVTTVR	AMSGEGEI	KLQVTTVR	K	L	Q	V	R	D
LRDDTLPK	AFLGSEVRI	LRDDTLPK	R	L	R	P	K	A
LREFAETLR	WNSLLTTK	REFAETLRT	K	L	R	L	R	T
LRKPIHADI	ERGPIKSKL	EILETGIKV	K	L	R	I	K	V
LRSEIDNVK	ELNRVIQRI	SEIDNVKK	R	L	R	K	K	Q
LSDYIPGPY	NPKKRPGK	YPNEQAAF	K	L	S	A	R	A
LSEPVHK	GSSFDALKI	KLSEPVHKI	K	L	S	H	K	L
LSGGVAVII	KLQERLAKI	SGGVAVIR	K	L	S	I	R	V
LSHNQQLA	IVGSQVFKI	QLAQFNNI	K	L	S	N	K	N
LSLGEAFK	EVLIKGSKL	LSLGEAFK	K	L	S	F	K	K
LSLGEAFK	EVLIKGSKL	SLGEAFKK	K	L	S	K	K	I
LSQTKEIK	RLISLYVKL	LSQTKEIKA	K	L	S	I	K	A
LTGLALK				L	T	L	K	
LTISVTDTE	FTLKQWNI	VTDTEVER	R	L	T	E	R	A
LTQQFQGI	ETLWSLVK	FQGMSIPR	K	L	T	P	R	E
LVGSDVGC	MPSLFQAI	SDVGQGPI	R	L	V	P	R	D
LVLEVAQH	EIKTPQGKI	HLGENTVR	K	L	V	V	R	T

LVSLMDSP TEPRLVSKL LMDSPSSR K	L	V	S	R	V
LVSQPQFA PLEATRIRL' GLVGGFSR R	L	V	S	R	I
LVSTIYEVA FPDYELFKL VAPGVLTK K	L	V	T	K	H
LVWIGSSD FQNLNNAF IGSSDFLKN R	L	V	L	K	N
LWDQDIAI VKAWAGK EGLLDYMF R	L	W	M	R	I
LYCVYVAV(NGSDESKK VYVAVGQI K	L	Y	Q	K	R
LYCVYVAV(NGSDESKK YVAVGQKF K	L	Y	K	R	S
LYHEFNYIR IQEYASSKL YHEFNYIRI K	L	Y	I	R	D
LYQLNEFL(VTVDAGM LNEFLGAK(R	L	Y	A	K	G
MAQIPNF(YLAKNFDK AQIPNFQK K	M	A	Q	K	N
MDEAEQLI KAKISAKK\ EAEQLFYKI K	M	D	Y	K	N
MMMTSG(PLDTVRRR MTSGQAV R	M	M	V	K	Y
MNPQVSN _____ LVMMQLS -	M	N	S	R	R
MQLQVTTI PLDVVKTR MQLQVTTI R	M	Q	T	K	G
MSGDLSS\ LLEGEECR\ ISSNVASKA R	M	S	S	K	A
MSGECAPI LLEGEESR\ TISGGGSR(R	M	S	S	R	G
MSNYLVQI QNYHLSSK LVQNYGTR K	M	S	T	R	S
MTLDDFR LLDIDNTR\ RMTLDDFF R	M	T	F	R	I
NAGDMIN NAMDNAS NAGDMIN K	N	A	N	R	Y
NAVQNES\ AINYTKLK\ ELNFDAVK K	N	A	V	K	D
NAVQNES\ AINYTKLK\ FDAVKDFK K	N	A	F	K	L
NCFDTAEE TPLAPYFK\ DMNIEIIR\ K	N	C	I	R	N
NELITSLTP(ANLTPGLK SLTPGVAK' K	N	E	A	K	S
NFTFLESV\ KTTMAANI FTFLESVK\ R	N	F	V	K	H
NGNEYNEI GIYWYW\ YNEFLYSKA K	N	G	S	K	A
NGTAASEP DAFYTQYK SEPTPITK_ K	N	G	T	K	-
NIEASVQP' RVTLKSIR\ EASVQPSR R	N	I	S	R	D
NIGSAPNA PPKVVSSK IGSAPNAK K	N	I	A	K	R
NIITEIGQK KLGDGLFR IITEIGQKE\ R	N	I	Q	K	E
NINDLLNK PVYSDISR\ NINDLLNK R	N	I	N	K	D
NITWIAEC KSKEQEVR ECIAQNQR R	N	I	Q	R	E
NKLNDLED ENALKDAK QAKEDLAR K	N	K	A	R	L
NKLNDLEE EHALKDAR QAKEDLAR R	N	K	A	R	L
NKYEDEIN QDMVEDY YEDEINKR' R	N	K	K	R	T
NLAEEFDH LNSFEDKK LAEEFDHR' K	N	L	H	R	V
NLDGYVV\ DAIVETHK GYVVNLLK' K	N	L	L	K	V
NLDLDSIA ILSMDNSR DSIIAEVKA R	N	L	V	K	A
NLDTTLYN' WGSVSLLK NVVVVSPR K	N	L	P	R	N
NLDVEATE FYKNAETK ATETGAPK K	N	L	P	K	E
NLHTHPVA LVHKSTGR PVAAPVSK R	N	L	S	K	T
NLLENPVT' DKKDLWW VTVQLVHR R	N	L	H	R	T
NLSDLYTV QQLAKVN SDLYTVLK' K	N	L	L	K	T
NLSLQTGT LVNSIESK\ TGTKPVLK K	N	L	L	K	K
NLSLQTGT LVNSIESK\ GTKPVLKK K	N	L	K	K	K
NMAEEFEY SHTNEEVR PDEQGNPI R	N	M	P	K	K
NMQDMV SRLDSELK\ QDMVEDY K	N	M	Y	R	N
NPSGLPDS DAILQMDF SPLNDNSK R	N	P	S	K	I
NPTVENFI GKATLLTR\ EATNLLEK/ R	N	P	E	K	A
NQHSFVF\ TAFYFANR FVFNESNK' R	N	Q	N	K	V
NSSIDAAF(ALYQAAAK AAFQSLQK K	N	S	Q	K	V

NSVIDAIVE	PALSLKDRI	DAIVETHKI	R	N	S	H	K	N
NSVYMGSA	YDTASRYKI	LCPLEATRI	K	N	S	T	R	I
NTIVSSYNF	RDIKKGDK	TIVSSYNRN	K	N	T	N	R	N
NTSVIDKIE	SHYRSVLKI	DKIESYVKC	K	N	T	V	K	Q
NVAAGCNI	AIFTESVKN	GCNPMDLI	K	N	V	L	R	R
NVQALEIEI	SEITELRRN	LQSQLALKI	R	N	V	L	K	Q
NVSTGDVI	EEEMKDLR	TQLLNNMI	R	N	V	M	R	S
NVTMIDDL	WGFSTATF	DLIHFTLKC	R	N	V	L	K	Q
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYLMFMK	LIHEEGQKI	KNYLMFM	K	N	Y	M	K	M
NYSNSVQV	YCTNFGTK	YSNSVQW	K	N	Y	W	R	V
NYSPYYNT	KGPAAIQK	DLTVGNNI	K	N	Y	N	K	T
PAINVGLS\	ELFYKGIRP	NVGLSVSR	R	P	A	S	R	V
PFDELTVDI	LDNIQSARI	LTVDDLTKI	R	P	F	T	K	I
PGVTLGVG	LAYKQLLRF	GSSFDALKI	R	P	G	L	K	L
PHVASESN	SLSSPVFKP	ESNPIESRL	K	P	H	S	R	L
PIHADPPSI	PIKSKLRKP	EILETGIKV\	K	P	I	I	K	V
PLTIASDPN	STARMMA	SGFFGLQK	R	P	L	Q	K	K
QDFAEATS	IGDLTIPKQ	GLTFAFGK	K	Q	D	G	K	F
QDSHIIK	TSLFKGPK(	KQDSHIIKL	K	Q	D	I	K	L
QFNGLLDV	GSKSTSQR	NGLLDVYK	R	Q	F	Y	K	K
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QGPVRPFI\	PVPELDIKC	SAELASLRT	K	Q	G	L	R	T
QGVDADIN	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIIAGEGA(	KGMVGSFI	YSIQGAFKF	K	Q	I	F	K	F
QISLEGLQI	LQEELRKK(	ISLEGLQKC	K	Q	I	Q	K	Q
QISNLQQS	SEIDNVKK(	SISDAEQR(	K	Q	I	Q	R	G
QKVELAHE	ESEAFELKC	VELAHEAK	K	Q	K	A	K	A
QLDSTVHP	PEFWRAKI	TVHPDTGK	K	Q	L	G	K	T
QLGFFGSF/	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYKC	GSSFDALKI	K	Q	L	L	K	L
QLPVFQAF	PHIDEALK(	PVFQAHIR	K	Q	L	I	R	K
QMTNWG!	GVNAVAIR	QMTNWG!	R	Q	M	S	R	F
QPVKDGPL	IKFSLKAKQ	LSTNVEAK	K	Q	P	A	K	L
QSLEASLAI	LQSQLALK(	SLAETEGR\	K	Q	S	G	R	Y
QSLELVNP(	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSLGHGQI	GQHGSGSI	GSGWSSSF	R	Q	S	S	R	G
QSSSYGPH	GRHESGSR	PHGYGSGF	R	Q	S	G	R	S
QSVEADIN	YENEVALR	ADINGLRR'	R	Q	S	R	R	V
QTDHKEG\	DWETINIK(	EAVESLKRI	K	Q	T	K	R	N
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L
QVLDNLTN	DADINGLR	LDNLTMEK	R	Q	V	E	K	S
QVPENPM	GTTDIPLKC	ADIQDILKE	K	Q	V	L	K	E
QVQDFEEN	ATKKSVLK(	EENDHPNF	K	Q	V	N	R	V
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RGNNYDLE	EGWIPSSR	HDDKPWY	R	R	G	Y	K	A
RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RHLNDQPI	SQLAKAVR	VTIGDKIKN	R	R	H	I	K	M
RIANVVHF'	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S

RLDNVER	RTFVNEIRF	RRLDNVER	R	L	E	R	Q
RLPEDESY/	PIMQTALR	PEDESYAR/	R	L	A	R	A
RMDLIHLIMPK			R	M	P	K	
RQLLELQS(	KKRNDEAR	EVDFSHYR	R	Q	Y	R	S
RSHGEVHY	EPVRTIARF	YDVDPENK	R	S	N	K	T
RSTVAQLV	VYVAVGQI	LEQHDAM	K	S	M	K	Y
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	S	L	K	A
RTGNIVDV	VKEGELVK	VGPGLLGR	K	T	G	R	V
SAAAGSLI(	EKTGKAMF	LLPLDVLKI	R	A	L	K	I
SAANKLDV	_____	ANKLDWA	K	A	A	K	V
SADEVINM	VVTVTKFK	SNINTALK	K	A	L	K	V
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	A	F	R	K
SAEMALVC	EKEEAIFRS	YIPQEISRD	R	A	S	R	D
SALEHNEV	MQSISPVK	ALEHNEVK	K	A	V	K	I
SASGINELC	ANITKTIKS	INELQLHKL	K	A	H	K	L
SASWVPPS	EEGVLPWK	SWVPPSRF	K	A	R	R	G
SATESFVA	KELLASLKS	TESFVATF_	K	A	T	F	-
SAVLNTTF	SLTPGVAK	TQPFFTAR	K	A	A	R	G
SDGVAGLY	DVYKKTLK	DGVAGLYF	K	D	Y	R	G
SDMSMMF	LLDYMRIR	SDMSMMF	R	D	R	W	-
SEGWIPSS	EEGVLPWK	EGWIPSSR	K	E	S	R	R
SEIDNVKK	NRVIQRLR	SEIDNVKK(	R	E	K	K	Q
SEITELRR	IEQISSYKS	SEITELRRN	K	E	R	R	N
SEYTDMLA	AKGYDASK	TGIIDPFKV	K	E	F	K	V
SFLPSFILSI	_____	FILSDESKE	M	F	S	K	E
SGESSNSD/	SSALSQQK	GKDDDVVI	K	G	V	K	S
SGGGGGG	FSSSYLSRS	LGSGGSIRS	R	G	I	R	S
SGIGIAGIG	GAAIGTAK	FKPELIMK	K	G	M	K	S
SGLDQEQL	FVGWWM	DQEQLDAF	K	G	A	R	K
SGVGICAT(	GAAYGTAK	LRPDLLFKN	K	G	F	K	N
SHLQSNQL	EGMADLVI	PLDFALGK	K	H	G	K	S
SIEGFLNDL	GKDDDVVI	GFLNDLEK	K	I	E	K	D
SIEGFLNDL	GKDDDVVI	NDLEKDTR	K	I	T	R	Q
SIIELEHYG	YMTREAPK	HYGVPFSR	K	I	S	R	T
SIIEPIVNFA	PVGTVDEK	PIVNFALK	K	I	L	K	K
SISISVAGG	LVGLGGTK	AAGGFGGI	K	I	G	R	G
SKAEAESLY	QNEDIAQK	AESLYQSK	K	K	S	K	Y
SKAEAESLY	QNEDIAQK	ELQITAGR	K	K	G	R	H
SKEEAEALY	QYEEIAQR	AEALYHSK	R	K	S	K	Y
SLDFLNQSI	SLPGSTDK	NQSFIQQK	K	L	Q	K	A
SLDLDSIIAI	ILSMDNNR	DSIIAEVKA	R	L	V	K	A
SLKLENVVI	SKLVGQGK	NVVKPEIK(	K	L	I	K	G
SLLEGEGSS	ENEIQTYR	GSSGGGGI	R	L	G	R	G
SLNLTLRK	TPIGKGHR	SLNLTLRKT	R	L	R	K	T
SLNNQFAS	SREREQIKS	QFASFIDK	K	L	D	K	V
SLNNQFAS	SREREQIKS	ASFIDKVR	K	L	V	R	F
SLPQGPAP	ANVVHFYK	QGPAPAIK	K	L	I	K	A
SLQDFFGL/	PNYERRLK	SNLLDVIR(	K	L	I	R	C
SLQDIIAIL(	QETLQTYK	DELSEQDK	K	L	D	K	L
SLQDIIAIL(	QETLQTYK	QDKLTVER	K	L	E	R	A

SLVGLGGT	GGGGFGSF	LVGLGGTK	R	S	L	T	K	S
SLVNLGGS	AGGGFGSF	LVNLGGSK	R	S	L	S	K	S
SLWDSSEK	DGVVGLVK	SEKDNSQK	K	S	L	Q	K	I
SNHNELLT	SSFLSYLKS	NELLTEIRE	K	S	N	I	R	E
SNHNELLT	SSFLSYLKS	LLTEIREKG	K	S	N	E	K	G
SNVNDNG	TSKGHVKK	DNGVNLEK	K	S	N	E	K	Q
SPPVYSDIS	_____	PVYSDISRN	M	S	P	S	R	N
SPTFVGDL	GAFDLCLK	ISAGSISRY	K	S	P	S	R	Y
SPTGIVLM	NMQNAQK	MNMGGPS	R	S	P	S	K	V
SQGDDINE	ETRKVLQK	LQFVDPVK	K	S	Q	V	K	V
SQTDAFYT	QTASVLNR	DAFYTQYK	R	S	Q	Y	K	N
SQYEQLAE	TQLLNNMI	QLAEQNRK	R	S	Q	R	K	D
SQYEQLAE	TQLLNNMI	AEAWFNEI	R	S	Q	E	K	S
SSAGFADK	DLVINYLKS	FADKIDGR	K	S	S	G	R	M
SSLKTELQT	NVAAQAIR	QTASVLNR	R	S	S	N	R	S
STGVENSG	LVRFASTR	GAGPTSFK	R	S	T	F	K	T
STLDREYIT	ELLGGTFK	DREYITLKA	K	S	T	L	K	A
STLGCPPTI	FGIYGSLKS	IEIGGGGH_	K	S	T	G	H	-
STMQELNS	GILTANEKS	TMQELNSF	K	S	T	S	R	L
STQEVITFE	VVPGFNIK	ITFENLLKQ	K	S	T	L	K	Q
STVAQLVQ	YVAVGQKF	LEQHDAM	R	S	T	M	K	Y
STVETFISS	LLSSAGAK	ADVLAMA	K	S	T	A	K	V
SVHAVHSH	FNEKSVIKS	SYDEEPYKI	K	S	V	Y	K	I
SVHEPVQT	APGILPRRS	EPVQTGLK	R	S	V	L	K	A
SVTKPVAP	FYSTDKSK	TDAPAKPK	K	S	V	P	K	E
SYAYFMVC	NNDADKG	LLSSAGAK	R	S	Y	A	K	S
SYSNSVQW	YCTNYGTK	YSNSVQW	K	S	Y	W	R	V
TAAENDFV	YEDEINKR	ENDFVTLK	R	T	A	L	K	K
TAAENDFV	YEDEINKR	NDFVTLKK	R	T	A	K	K	D
TAFKPHEL	ALADVLYK	ESVLPAAR	K	T	A	A	R	Y
TAPVSSTA	ISNLVKSKT	PQTASTSK	K	T	A	S	K	L
TATQEGVI	GILDCFKR	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	LDTILNQK	K	T	A	Q	K	R
TAVALDTIL	IGDRQTGK	DTILNQKR	K	T	A	K	R	W
TDGSAPGL	GLETLYSR	AGVSYLTR	R	T	D	T	R	Y
TELQTASV	QAIRSSLK	QTASVLNR	K	T	E	N	R	S
TFDLQSDA	QQLIEMEK	NILAQGEK	K	T	F	E	K	D
TFGLFANV	SLNLTLRK	FANVRPAK	K	T	F	A	K	S
TGDGDIEN	DATTITAK	WATGNAP	K	T	G	P	R	E
TGDLAGTA	IASGPENR	SFTEAVIKR	R	T	G	I	K	R
TGHALLHT	RTCAVADR	TLYGQALR	R	T	G	L	R	H
TGLHFGR	YTSHLSSK	KTGLHFGR	K	T	G	G	R	L
TGNIVDVP	KEGELVKR	VGPGLLGR	R	T	G	G	R	V
TGPIVYVQ	_____	NADGIFFK	M	T	G	F	K	L
THNLEPYF	QQVDTSTF	ESFINNLRR	R	T	H	L	R	R
TIAMDGTE	HLGENTVR	DGTEGLVR	R	T	I	V	R	G
TIDDLKNQ	RDYSKYYK	LLQIDNARI	K	T	I	A	R	L
TIEQSPSFG	EKPIFNAK	EQSPSFGK	K	T	I	G	K	F
TIEQSPSFG	EKPIFNAK	DTDANVPF	K	T	I	P	R	D
TIFEAENIP	KEITDSVR	DWETINIK	R	T	I	I	K	Q

TILTHNTSN QSFPLVEK THNTSMYH	K	T	I	Y	K	F
TKEQGYFE PSKAKSNR YFEGNNSR	R	T	K	S	R	N
TKPSNEDP RRKISTNKT PQEINDQK	K	T	K	Q	K	S
TLEDELEVT VITIREGRT LEVTEGMR	R	T	L	M	R	F
TLLDIDNTR DLTVGNNK LLDIDNTR	K	T	L	T	R	M
TLLEAIDAIE KAGVVKGK RPTDKPLR	K	T	L	L	R	L
TLLEGEESR DLEIATYRT LLEGEESR	R	T	L	S	R	M
TLNPSFSEK SDFSVNVK LNPSFSEK	K	T	L	E	K	G
TLSDYNIQK GKQLEDGR LSDYNIQK	R	T	L	Q	K	E
TLVGVSHT SLDRVAWR SHTNEEVR	R	T	L	V	R	N
TNAENEFV YEDEINKRT ENEFVTIK	R	T	N	I	K	K
TNAENEFV YEDEINKRT NEFVTIKK	R	T	N	K	K	D
TNEAAGDC LLQEVASK TSATVLGR	K	T	N	G	R	A
TNKDDKLN GIRKITGKT DKLNPFEK	K	T	N	E	K	I
TPEEHETC FHAFIVYRT TCSQLVDR	R	T	P	D	R	M
TPHEIQEA KPVFIRHRT SVDMSALK	R	T	P	L	K	D
TPHEIQEA KPVFIRHRT DPQTDADR	R	T	P	D	R	V
TPLDFLLR SMQYEYCR TPLDFLLRR	R	T	P	L	R	R
TPNFDDVL LASKSTYRT PNFDDVLK	R	T	P	L	K	E
TPNFDDVL LASKSTYRT NNDADKG	R	T	P	G	R	S
TPQDILLR VNLLYGNK TPQDILLR	K	T	P	L	R	K
TPTDDANA MSWLFGD GQDTTKPK	K	T	P	P	K	E
TQEFSQMA GVEISKQK TFSQMACE	K	T	Q	E	K	T
TQSQIEDF RLKNQIVK QSQIEDFK	K	T	Q	F	K	Y
TQSQIEDF RLKNQIVK EDFKYNHK	K	T	Q	H	K	G
TREGNDLY VFTGVGER REGNDLYR	R	T	R	Y	R	E
TTSTTLESE SDLYTVLK SELYAIAKE	K	T	T	A	K	E
TTYENVDL AKSIEGFKT NVDLVLIR	K	T	T	I	R	E
TVDLSISTK LIVELGDKT VDLSISTK	K	T	V	T	K	I
TVFIQELIN FGGAGVGI ELINNIAKA	K	T	V	A	K	A
TYMGWW _____ WGHMGG	K	T	Y	P	K	Q
VACFLER GTLDSNGK KVACFLER	K	V	A	E	R	K
VAEEEERLE RRWENALR EEEERLEK	R	V	A	E	K	E
VAFTGSTA TNHPKIKK TGSTATGR	K	V	A	G	R	H
VAIGEVPF LPLPRDPR VPFTFGVR	R	V	A	V	R	T
VALTGLTIA EPPGARAR LTIAEYFR	R	V	A	F	R	D
VALVFGQN INLEGESK MNEPPGA	K	V	A	A	R	A
VATVSLPR SPATLNSR VATVSLPR	R	V	A	P	R	S
VDLLNQEI IKVELQSK NQEIEFLK	K	V	D	L	K	V
VDPEIQNV LLQPLNVK DPEIQNVK	K	V	D	V	K	A
VEEWYGEE EMRGMAL WYGEDLK	K	V	E	K	K	F
VEFEKPLLL ITDPKSSK PLLLLSEK	K	V	E	E	K	K
VELAHEAK EAFELKQK VELAHEAK	K	V	E	A	K	A
VELALWDT DVEVDGRR AGQEDYDR	R	V	E	D	R	L
VELTEIKD _____ LDEPQFSR	M	V	E	S	R	N
VEVNLAAI ADVLAMAL LAAIPLGK	K	V	E	G	K	N
VFFANER LPTRVEPK KVFFANER	K	V	F	E	R	T
VFGLNNIQ AVGDGIAR VEFSSGVK	R	V	F	V	K	G
VFNTVVST RLQKQDNR STPVTNQK	R	V	F	Q	K	S
VGDPFDES KAASESIK TSQMQLN	K	V	G	N	K	I

VGEDDQTE TFGVSQIK\ INLIQGLRS K	V	G	L	R	S
VGGASEVE SGGVAVIR' SEVEVGEK R	V	G	E	K	K
VGQSLSIVS LNLTQLSK\ VSNDELSK, K	V	G	S	K	A
VHYQTTGF FENEANW PEIAHQTK(K	V	H	T	K	G
VIEFLSANK GSQVAVEK EFLSANKKE K	V	I	K	K	E
VIIIDTDPN KLNRDLSK\ DTDPNSYK K	V	I	Y	K	L
VINATPTM VGETALSR\ IPPLILVRLC R	V	I	V	R	L
VKEVQEQ\ KHSEVFRR' EQVQHTVF R	V	K	V	R	L
VLAVGDGI ANLNETGR AVGDGIAR R	V	L	A	R	V
VLDELTLTK ADINGLRR' LDELTLTKA R	V	L	T	K	A
VLDEVVVD TALVKASR\ VVDNFDQI R	V	L	Q	K	L
VLEHLHST/ EENDHPNF TPLSLPTRC R	V	L	T	R	G
VLFDDMVE GGSIAMAF ATTSQMAI R	V	L	A	K	D
VLFDVSKE QNVAETTK ESEAFELKC K	V	L	L	K	Q
VLQQSISEI GNPKFQEK EIEQLLSKLI K	V	L	S	K	L
VLYDAEISC NQEIEFLK\ ILSMDNSR K	V	L	S	R	N
VMFFLPW(DVRTSDGR FFLPWQGI R	V	M	G	K	V
VMGDEFN NAVHATVI DEFNWSEI K	V	M	E	K	K
VNVFNINN EGFSTLKK\ VFNINNNR K	V	N	N	R	Y
VQALEEAN RLASYLDK\ ANNDLENI K	V	Q	N	K	I
VQETLQTY EHYDVASK QETLQTYK(K	V	Q	Y	K	S
VQLLDATE NLNKIYNK\ LDATEIFRT K	V	Q	F	R	T
VQSELGNP LAKSVISRV QSELGNPK R	V	Q	P	K	F
VSDSGIVTL ASSQVKAK GIVTLAYKC K	V	S	Y	K	Q
VSDVLNAS FADARMKI SDVLNASR K	V	S	S	R	N
VSLQDIK LLYDGVER\ RVSLQDIKE R	V	S	I	K	D
VSLQDIKDI LLYDGVER\ DIKDFADK\ R	V	S	D	K	V
VSLQDIKDI LLYDGVER\ FADKVYTK R	V	S	T	K	E
VSNLNDA\ ARVGDNLF VEEVVSLK(R	V	S	L	K	G
VSPEDPAV RSIAKSNK\ MAGIEAEK K	V	S	E	K	L
VTIADDNE LVVLPRYR\ DDNEDLNI R	V	T	N	K	I
VTLVEALPI PELSKEIKV NILNMFDK K	V	T	D	K	Y
VTMQNLN GLLSGNEK' TMQNLND K	V	T	D	R	L
VTVLGAGC STVANPYK QPLSLLLKL K	V	T	L	K	L
VVDALGNF VGPGLLGR LGNPIDGK(R	V	V	G	K	G
VVDALGNF VGPGLLGR GPIDAAGR R	V	V	G	R	S
VVDLLAPY/ EILETGIKV\ DLLAPYAR(K	V	V	A	R	G
VVPGYGH/ WDTLNAG GYGHAVLF R	V	V	L	R	K
VVTADQGI NKSDMETF DQGEALAK R	V	V	A	K	E
VYAIEATCI FEENTFDK\ EATCHAPK K	V	Y	P	K	L
VYVEESIYD EVCCAGSR VEESIYDKF R	V	Y	D	K	F
VYVEESIYD EVCCAGSR DKFIEEFKA R	V	Y	F	K	A
VYWPFFV/ RFPTPILKV AVYYGMSI K	V	Y	S	K	A
WLISQEAIY NNKIIGSR\ DTIMNMTI R	W	L	T	K	G
WMPELSK YVDQDLRK KWMPELSI K	W	M	S	K	E
WQGKPVF LGKNVVVK QGKPVFIRI K	W	Q	I	R	H
WYGGMST GAEAHRLR TDTIFVERK R	W	Y	E	R	K
YAGILDCFK KQGTLDRK AGILDCFKF K	Y	A	F	K	R
YAGILDCFK KQGTLDRK GILDCFKRT K	Y	A	K	R	T
YAMALSYF ISAGSISRY/ MALSYFAK R	Y	A	A	K	D

YCAITGASI KYGAKTGK GASDGIGK K	Y	C	G	K	E
YDGAFDCL MTSGQAV DGAFDCLR K	Y	D	L	R	K
YDGAFDCL MTSGQAV GAFDCLRK K	Y	D	R	K	I
YDNIPEHA FKAVLEGK GIEDVVAK K	Y	D	A	K	A
YDYAVAEC ESVLPAAR VAEQCPVK R	Y	D	V	K	S
YEDEINKR MVEDYRN YEDEINKR K	Y	E	K	R	T
YEELQITA AESLYQSK ELQITAGR K	Y	E	G	R	H
YEELQQTA AESWYQTK ELQQTAGR K	Y	E	G	R	H
YEEQTTNH NPYAPGLR PVAIVGAR R	Y	E	A	R	E
YENEVALR AADDFRLK YENEVALR K	Y	E	L	R	Q
YFPTQALN GNTANVIR QALNFAFK R	Y	F	F	K	D
YFPTQALN GNTANVIR LNFAFKDK R	Y	F	D	K	I
YFQPSSIDE IYSAKPERY DEVVELVK R	Y	F	V	K	S
YGSGGGSK SGGGSGGF GYGSGGGI R	Y	G	G	K	H
YIPIQYVLSI FFSDKIAKY PIQYVLSRY K	Y	I	S	R	Y
YIPQAGIPP LSALYVSKY NIVSGFGK K	Y	I	G	K	I
YKESPEFK EWEEEFIK YKESPEFKL K	Y	K	F	K	L
YLAPAYK GFTGLVAK KYLAPAYKI K	Y	L	Y	K	D
YLAPAYKD GFTGLVAK YKDFADAR K	Y	L	A	R	M
YLCEVNKV TLVPESPRY VNKVEDAK R	Y	L	A	K	R
YLCEVNKV TLVPESPRY NKVEDAKP R	Y	L	K	R	S
YLENCNPR GFFGLQKK YLENCNPR K	Y	L	P	R	D
YLPDASSQ VNIEFATRY PDASSQVK R	Y	L	V	K	A
YLVDYAQD NILNMFDK QDLFKEEK K	Y	L	E	K	I
YPFTIGELK LVNFDTFR PFTIGELKY R	Y	P	L	K	Y
YQGLINEQ SIVKRLVKY GLINEQEK K	Y	Q	E	K	Q
YTNPLFMC GFMHLYLK MQSISPVK K	Y	T	V	K	S
YTVSFIEGD KPNPSTGK GIGPEISKS K	Y	T	S	K	S
YVDIGKNE MQLNKILK TLITGGERL K	Y	V	E	R	L
YVEPGNAN KNDMTTM AMSGEGEI K	Y	V	E	K	L
YVEPGNAN KNDMTTM KLQVTTVR K	Y	V	V	R	D
YYQNNWT DFLNSASR NNWTDGP R	Y	Y	P	R	Q

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
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2	0	0	0	0	0	0	1	0
3	0	1	1	0	1	0	1	0
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2	0	0	1	0	1	4	0	0
4	1	1	0	0	1	3	0	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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0	3	1	0	0	0	1	4	1
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3	1	2	0	0	1	0	1	0
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0	2	0	0	0	0	1	2	0
1	2	1	0	1	0	1	1	0
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2	1	0	0	0	2	0	2	1
1	1	1	0	1	0	2	5	0
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1	2	0	0	0	2	0	1	0
2	0	1	0	2	1	0	1	0
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2	0	1	0	2	2	2	2	0
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1	2	1	0	1	1	1	1	0
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0	1	1	1	2	1	2	2	0

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1	2	1	0	0	0	4	0	0
1	0	1	0	0	1	0	3	0
1	1	2	0	1	0	1	0	0
3	0	1	0	0	1	1	1	0
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1	1	2	0	1	0	1	0	0
1	1	3	0	1	0	1	1	0
0	2	1	0	0	0	2	0	0
2	2	1	1	0	2	1	0	0
1	1	1	0	0	0	0	1	0
1	3	1	1	1	1	0	1	0
0	1	0	1	0	0	0	1	0
1	5	1	0	0	1	1	1	0
1	1	1	0	0	1	0	0	0
2	1	1	0	0	2	0	0	0
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1	0	1	0	0	1	0	1	0
1	0	1	0	0	0	1	0	0
2	0	2	0	2	0	1	0	0
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3	1	1	2	0	0	1	2	1
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1	0	1	0	1	1	0	0	1
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0	1	2	0	3	1	0	1	0
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4	0	1	0	1	3	1	0	0
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3	0	1	0	1	1	2	1	0
2	1	1	0	0	0	0	2	0
0	0	1	1	0	1	1	0	0
0	1	1	1	0	1	1	2	0
0	0	0	0	0	1	0	1	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	1	0	8	0	777,4497	sp|P09457	sp|P09457	21
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
2	1	0	10	0	1168,588	sp|P32366	sp|P32366	267
0	1	0	8	0	757,4698	sp|P54783	sp|P54783	172
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
1	0	0	18	0	2095,04	CON__P13	CON__P13	267
0	1	0	17	0	1800,922	sp|Q1223(	sp|Q1223(	176
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
2	0	0	20	1	2285,118	CON__P04	CON__P04	367
0	1	0	11	0	1119,567	sp|P32915	sp|P32915	197
0	1	0	12	0	1479,762	sp|P48439	sp|P48439	123
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	10	0	1031,514	sp|P32386	sp|P32386	822
0	1	0	18	0	1770,864	sp|P13181	sp|P13181	45
2	1	0	17	0	1750,937	sp|P21306	sp|P21306	7
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	0	0	14	0	1468,681	sp|P39012	sp|P39012	307
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
0	0	0	11	0	1198,565	sp|P38626	sp|P38626	167
0	0	0	8	0	946,5488	sp|P32563	sp|P32563	318
0	0	0	7	0	728,4545	sp|P00854	sp|P00854	180
0	0	0	7	0	832,4477	sp|Q00711	sp|Q00711	337
0	0	0	18	1	1851,058	sp|P05626	sp|P05626	48
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235
0	1	0	12	0	1300,651	CON__P02	CON__P02	135
1	0	0	12	0	1380,641	CON__P13	CON__P13	166
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
0	1	0	10	1	1013,623	sp|P07251	sp|P07251	419
1	1	0	17	2	1905,12	sp|P07251	sp|P07251	419
0	1	0	18	0	1769,837	sp|P32891	sp|P32891	523
1	1	0	15	0	1719,916	sp|P39968	sp|P39968	51
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
1	0	0	11	0	1298,611	sp|P21801	sp|P21801	225
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	0	0	16	0	1651,926	sp|P05626	sp|P05626	50
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170
0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
0	0	0	13	0	1457,675	sp|P41832	sp|P41832	1743
2	1	0	20	0	2203,141	sp|P00128	sp|P00128	96
2	0	0	12	0	1525,716	sp|Q05359	sp|Q05359	51
1	0	0	9	0	1092,52	CON__P13	CON__P13	344
1	0	0	9	0	1106,536	CON__P35	CON__P35	360

2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
3	2	0	21	1	2431,268	sp|P07257	sp|P07257	91
0	0	0	13	1	1299,776	sp|Q0279	sp|Q0279	135
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189
0	1	0	10	0	1053,546	sp|P28834	sp|P28834	325
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
2	2	0	22	0	2443,162	sp|P46367	sp|P46367	308
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	2	0	16	0	1781,847	sp|P39004	sp|P39004	41
1	2	0	14	0	1559,758	sp|Q1234	sp|Q1234	84
1	0	0	9	0	992,4927	sp|P37299	sp|P37299	2
0	0	0	10	0	1311,563	sp|P31382	sp|P31382	384
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
3	2	0	16	0	1870,935	sp|P07257	sp|P07257	96
0	1	0	16	0	1921,942	sp|P00830	sp|P00830	278
0	0	0	9	0	1015,53	sp|P32563	sp|P32563	344
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
2	0	0	10	0	1249,525	sp|P39007	sp|P39007	606
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
1	1	0	10	0	1160,557	sp|P13181	sp|P13181	111
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
0	2	0	12	0	1187,676	sp|P31382	sp|P31382	341
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	18	0	1897,891	sp|P28834	sp|P28834	339
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
0	0	0	8	1	957,5243	sp|P32366	sp|P32366	119
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	0	0	13	0	1459,727	sp|P30902	sp|P30902	117
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132
0	1	0	8	0	917,4641	sp|P32191	sp|P32191	345
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291
0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	17	1	1902,965	sp|P05626	sp|P05626	140
0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
0	1	0	10	0	1097,525	sp|P38821	sp|P38821	55
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
1	1	0	9	0	998,4379	CON__P04	CON__P04	290
1	1	0	9	0	1067,496	CON__P35	CON__P35	294
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
1	1	0	13	0	1591,804	sp|P23644	sp|P23644	73
1	1	0	9	0	1085,562	sp|P00163	sp|P00163	71
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	1	0	18	1	2246,006	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q0277	sp|Q0277	134

1	1	0	10	0	1139,525	sp|P28834	sp|P28834	276
1	2	0	20	0	2264,096	sp|P33767	sp|P33767	142
1	0	0	9	0	1140,512	CON__P04	CON__P04	464
1	3	0	31	0	3416,689	sp|P04840	sp|P04840	175
1	1	0	8	0	1022,467	sp|P40215	sp|P40215	295
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
0	3	0	20	0	2153,158	sp|Q12165	sp|Q12165	141
0	0	0	15	0	1699,936	sp|Q07914	sp|Q07914	112
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
0	0	0	18	1	2051,051	sp|Q04947	sp|Q04947	89
0	2	0	13	0	1445,627	sp|P46367	sp|P46367	81
0	3	0	15	1	1666,916	sp|P32191	sp|P32191	409
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
0	0	0	11	1	1277,698	sp|Q01532	sp|Q01532	186
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
0	1	0	7	1	829,4658	sp|P07251	sp|P07251	121
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
1	2	0	12	1	1378,709	sp|P28834	sp|P28834	72
0	0	0	8	0	921,4668	sp|P19414	sp|P19414	669
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
0	0	0	14	2	1543,882	sp|P07251	sp|P07251	522
0	1	0	11	0	1394,647	sp|P32563	sp|P32563	305
0	0	0	7	0	814,4549	sp|P07251	sp|P07251	202
0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105
0	1	0	22	1	2339,252	sp|P38077	sp|P38077	105
0	0	0	16	1	1829,948	sp|P30902	sp|P30902	114
0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	7	0	772,4695	sp|P07251	sp|P07251	529
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
1	0	0	17	0	1995,964	CON__P13	CON__P13	346
0	1	0	15	1	1662,814	sp|P00830	sp|P00830	233
1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
1	3	0	23	0	2544,217	sp|P28241	sp|P28241	151
0	1	0	12	0	1388,657	sp|P54783	sp|P54783	499
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	3	0	17	0	1566,737	sp|P40319	sp|P40319	318
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	1	0	13	0	1522,74	sp|P05626	sp|P05626	164
0	3	0	13	0	1455,709	sp|P40075	sp|P40075	144
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
0	2	0	13	0	1360,683	CON__P02	CON__P02	316
1	2	0	12	1	1477,778	sp|P32803	sp|P32803	145
1	1	0	10	0	1180,536	sp|P06168	sp|P06168	251
0	3	0	18	0	1668,905	sp|P25087	sp|P25087	336
1	1	0	18	0	2091,062	sp|P28241	sp|P28241	225
1	0	0	9	0	1172,492	sp|Q99297	sp|Q99297	97

0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
0	0	0	7	0	826,4225	CON__P13	CON__P35	195
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
1	1	0	16	0	1711,867	sp|P07267	sp|P07267	194
0	0	0	10	1	1290,661	sp|P25574	sp|P25574	396
0	1	0	11	0	1275,61	sp|P38077	sp|P38077	230
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	0	0	8	0	1010,482	sp|P07257	sp|P07257	223
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
1	4	0	44	0	4091,065	CON__P35	CON__P35	129
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
2	0	0	7	0	904,4443	sp|P31382	sp|P31382	99
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	1	0	14	0	1663,769	sp|P17505	sp|P17505	175
0	1	0	12	0	1474,778	CON__P04	CON__P04	200
0	2	0	24	1	2931,509	CON__P04	CON__P04	200
0	0	0	10	0	1065,622	sp|P19414	sp|P19414	677
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	3	0	21	1	2275,273	sp|P00830	sp|P00830	446
0	1	0	8	0	933,4808	sp|P39986	sp|P39986	149
0	1	0	11	1	1187,649	sp|P06182	sp|P06182	159
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
0	0	0	7	0	814,4953	sp|P81450	sp|P81450	5
1	2	0	9	0	1064,591	sp|P47075	sp|P47075	420
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
0	0	0	12	0	1319,563	CON__Q5[	CON__Q5[	404
1	0	0	13	0	1234,521	CON__P35	CON__P35	47
0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294
0	2	0	13	0	1302,718	sp|P28834	sp|P28834	29
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	1	0	9	1	1100,613	sp|P07143	sp|P07143	300
1	0	0	13	1	1445,73	sp|P25087	sp|P25087	94
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P40341	sp|P40341	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
0	0	0	16	1	1844,891	sp|P31382	sp|P31382	467
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21
0	2	0	15	1	1409,701	CON__P35	CON__P35	21
3	0	0	31	0	2382,945	CON__P04	CON__P04	519
2	0	0	32	0	2704,154	CON__P35	CON__P35	64
1	1	0	12	0	1308,683	sp|Q3E77(	sp|Q3E77(	2
1	0	0	23	0	1740,741	CON__P35	CON__P35	556
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397

1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
2	1	0	13	0	1383,703	sp|P08525	sp|P08525	23
2	2	0	28	1	3111,593	sp|P08525	sp|P08525	23
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
0	0	0	20	1	1870,99	sp|P32897	sp|P32897	171
0	1	0	26	1	2510,432	sp|P38325	sp|P38325	100
1	1	0	9	1	1048,534	sp|P30902	sp|P30902	157
1	1	0	11	2	1319,662	sp|P30902	sp|P30902	157
0	2	0	11	0	1202,666	sp|P32340	sp|P32340	363
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
0	0	0	13	0	1465,705	sp|Q3E77(	sp|Q3E77(	105
1	1	0	13	0	1401,725	sp|P07257	sp|P07257	154
0	2	0	19	0	2230,098	sp|P39004	sp|P39004	518
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
0	3	0	23	1	2412,32	sp|P07251	sp|P07251	98
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
2	0	0	18	1	2249,003	sp|P13181	sp|P13181	553
1	2	0	22	1	2313,189	sp|P08067	sp|P08067	194
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372
0	0	0	19	0	1706,765	CON__P13	CON__P13	41
1	3	0	17	1	1845,959	sp|P36060	sp|P36060	99
1	0	0	27	0	2341,977	CON__P13	CON__P13	60
2	0	0	20	0	1739,698	CON__P35	CON__P35	531
1	5	0	36	0	3685,848	sp|P00830	sp|P00830	335
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138
1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	2	0	13	1	1469,792	sp|P46367	sp|P46367	400
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300
1	1	0	22	1	2653,314	sp|P33775	sp|P33775	504
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
1	1	0	13	0	1574,763	sp|P31382	sp|P31382	106
0	0	0	16	0	1319,576	CON__P35	CON__P35	46
1	0	0	26	0	2476,014	CON__Q86	CON__Q86	1365
0	1	0	16	0	1836,958	CON__P35	CON__P35	375
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
1	1	0	12	1	1425,711	sp|P13181	sp|P13181	109
0	0	0	8	0	982,5236	sp|P33421	sp|P33421	163
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
0	1	0	18	1	1990,048	sp|P38077	sp|P38077	131
0	0	0	10	0	1123,57	sp|Q04697	sp|Q04697	156
0	0	0	14	0	1646,791	sp|P46971	sp|P46971	344
0	0	0	11	0	1091,389	sp|P22289	sp|P22289	56
0	1	0	10	1	1122,676	sp|P40046	sp|P40046	15

1	2	0	9	0	1089,597	sp|Q0640	sp|Q0640	30
0	3	0	14	0	1394,85	sp|P4636	sp|P4636	202
0	1	0	17	0	1782,926	sp|P0945	sp|P0945	121
0	0	0	7	0	915,4814	sp|P4021	sp|P4021	456
1	0	0	10	0	1195,561	sp|P3236	sp|P3236	104
0	0	0	8	0	972,524	CON__P04	CON__P04	396
0	1	0	21	0	2108,138	sp|Q0401	sp|Q0401	219
1	0	0	7	0	820,4695	sp|P0012	sp|P0012	11
1	0	0	13	0	1518,761	sp|P0725	sp|P0725	498
0	1	0	11	0	974,5549	sp|P0083	sp|P0083	186
0	6	0	28	0	2915,543	sp|Q1216	sp|Q1216	61
0	1	0	12	0	1366,746	sp|P0083	sp|P0083	128
0	1	0	16	1	1761,999	sp|P0083	sp|P0083	128
0	2	0	24	0	2407,358	sp|P1318	sp|P1318	181
0	0	0	12	1	1451,726	sp|P2180	sp|P2180	73
1	0	0	7	1	994,5124	CON__P13	CON__P13	178
0	1	0	15	1	1601,801	sp|P0725	sp|P0725	53
0	0	0	8	1	912,528	sp|P3090	sp|P3090	142
0	2	0	14	2	1627,886	sp|P3090	sp|P3090	142
0	0	0	10	0	1166,681	sp|P3256	sp|P3256	334
1	0	0	20	1	2245,204	sp|P2364	sp|P2364	160
1	0	0	10	0	1248,646	sp|P3611	sp|P3611	424
0	0	0	19	1	2082,063	sp|P3729	sp|P3729	59
1	1	0	21	0	2259,157	sp|P0083	sp|P0083	308
1	1	0	10	0	1203,65	sp|P2364	sp|P2364	45
0	0	0	14	0	1607,798	sp|Q0277	sp|Q0277	422
0	3	0	12	0	1202,651	sp|Q9929	sp|Q9929	239
1	0	0	11	1	1433,763	CON__P13	CON__P13	440
0	1	0	19	0	1953,98	sp|P2824	sp|P2824	289
1	1	0	25	1	2828,427	sp|P3807	sp|P3807	195
0	0	0	11	0	1110,567	CON__P13	CON__P13	74
0	0	0	18	0	1983,064	sp|P1988	sp|P1988	248
0	1	0	7	0	730,4589	sp|P0725	sp|P0725	28
1	0	0	11	1	1239,686	sp|P3377	sp|P3377	526
0	0	0	14	1	1467,793	sp|P3090	sp|P3090	22
0	0	0	9	0	1016,525	sp|P3898	sp|P3898	45
1	0	0	12	0	1280,589	sp|P0089	sp|P0089	238
0	2	0	12	0	1189,671	sp|P1823	sp|P1823	275
1	1	0	7	0	864,4705	sp|P3824	sp|P3824	247
0	1	0	10	1	1076,598	sp|P0725	sp|P0725	241
2	1	0	18	1	1879,032	sp|P2130	sp|P2130	6
0	1	0	16	1	1580,925	sp|P2364	sp|P2364	247
0	0	0	10	1	1236,578	CON__P13	CON__P13	334
1	0	0	12	2	1436,701	sp|P1988	sp|P1988	415
0	2	0	20	1	2096,098	sp|P1823	sp|P1823	19
0	1	0	16	1	1749,926	sp|P0299	sp|P0299	277
1	1	0	14	1	1529,82	sp|P0725	sp|P0725	153
1	0	0	19	1	2073,042	sp|P0806	sp|P0806	193
1	5	0	37	1	3813,943	sp|P0083	sp|P0083	334
0	0	0	7	1	841,5385	sp|P3887	sp|P3887	217

0	0	0	20	2	2210,158	sp|P37299	sp|P37299	58
0	0	0	19	1	2111,159	sp|P19882	sp|P19882	247
0	2	0	13	1	1317,766	sp|P18239	sp|P18239	274
0	0	0	8	2	913,5961	sp|P14736	sp|P14736	198
1	0	0	16	1	1804,932	sp|P32340	sp|P32340	284
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148
0	1	0	13	2	1447,83	sp|P28241	sp|P28241	120
0	1	0	10	1	1046,597	sp|P40215	sp|P40215	354
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
1	3	0	16	2	1761,951	sp|P53075	sp|P53075	71
1	0	0	8	1	1090,556	sp|P10363	sp|P10363	260
0	1	0	12	0	1267,666	sp|Q04947	sp|Q04947	236
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	2	0	11	0	1145,645	sp|P28241	sp|P28241	210
0	1	0	22	1	2413,259	sp|P46367	sp|P46367	115
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
0	2	0	12	0	1269,741	sp|P39986	sp|P39986	968
0	1	0	36	2	3918,053	sp|Q12349	sp|Q12349	48
1	0	0	7	0	808,4331	CON__P35	CON__P13	157
1	1	0	9	1	1063,603	CON__P13	CON__P13	157
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
2	1	0	12	0	1453,659	sp|P07213	sp|P07213	392
0	0	0	11	0	1201,671	sp|P04840	sp|P04840	85
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	3	0	13	0	1371,725	sp|P37298	sp|P37298	151
0	0	0	10	0	1219,587	sp|Q2V2P4	sp|Q2V2P4	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
0	1	0	11	0	1305,733	sp|P33767	sp|P33767	75
0	0	0	16	2	1990,985	sp|P07213	sp|P07213	311
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29
1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
1	1	0	24	1	2647,328	sp|P07251	sp|P07251	429
0	0	0	10	0	1088,659	sp|Q04947	sp|Q04947	75
1	0	0	13	0	1489,818	sp|P33767	sp|P33767	124
0	0	0	7	0	776,4181	sp|P28834	sp|P28834	200
0	1	0	20	0	2210,097	CON__P00	CON__P00	58
0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	1	0	9	0	939,5753	sp|Q04947	sp|Q04947	208

0	1	0	7	0	784,4807	sp|P19882	sp|P19882	460
0	0	0	9	0	962,5549	sp|P32897	sp|P32897	58
0	1	0	18	1	2112,998	sp|P33775	sp|P33775	408
1	0	0	11	0	1284,587	sp|P19882	sp|P19882	491
0	0	0	10	0	1104,541	sp|P32891	sp|P32891	371
1	0	0	14	0	1663,919	sp|Q0277(	sp|Q0277(	323
0	1	0	15	0	1759,866	sp|P32563	sp|P32563	121
0	0	0	11	1	1255,714	sp|P36112	sp|P36112	254
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
1	1	0	10	1	1233,672	CON__P13	CON__P13	236
0	0	0	8	0	861,463	sp|P19882	sp|P19882	182
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
1	0	0	12	1	1522,781	CON__P04	CON__P04	461
0	1	0	14	0	1575,756	sp|P25045	sp|P25045	402
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	0	0	12	0	1356,689	CON__P04	CON__P04	444
0	0	0	17	1	1940,98	CON__P04	CON__P04	444
1	0	0	10	1	1237,646	sp|P19414	sp|P19414	55
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38
1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	12	1	1394,704	sp|Q0417:	sp|Q0417:	121
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
0	1	0	13	0	1473,758	sp|P04840	sp|P04840	212
0	1	0	19	0	1991,029	sp|P36060	sp|P36060	75
1	2	0	24	0	2641,375	sp|Q1216[	sp|Q1216[	34
0	1	0	9	0	993,5607	CON__P35	CON__P35	412
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	1	0	12	0	1392,809	sp|P32897	sp|P32897	132
0	0	0	14	0	1480,716	sp|P32331	sp|P32331	148
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	8	1	956,5291	sp|P07256	sp|P07256	251
0	0	0	9	1	1133,619	sp|Q0153:	sp|Q0153:	184
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
2	0	0	16	0	1789,864	sp|P07143	sp|P07143	151
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129
0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	9	1	991,5702	sp|P07256	sp|P07256	401
0	0	0	8	1	945,5495	sp|P47069	sp|P47069	527
0	0	0	7	0	714,464		REV__sp|P32380|SP1	
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
0	0	0	12	0	1404,718	sp|Q0408(	sp|Q0408(	397
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79

0	1	0	11	0	1190,597	sp|P39968	sp|P39968	256
0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143
1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
0	1	0	11	0	1263,686	sp|P33767	sp|P33767	229
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
2	3	0	11	0	1298,669	sp|P07251	sp|P07251	236
2	3	0	12	1	1454,77	sp|P07251	sp|P07251	236
2	0	0	9	0	1253,619	sp|P32366	sp|P32366	76
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
0	0	0	9	0	1075,549	sp|P32340	sp|P32340	410
1	0	0	10	0	1272,57	sp|P38077	sp|P38077	77
0	1	0	10	0	1082,492	sp|P18239	sp|P18239	255
0	2	0	19	0	2217,151	sp|P38264	sp|P38264	1
0	1	0	8	0	947,511	sp|Q03028	sp|Q03028	39
0	4	0	25	0	2457,191	CON__P35	CON__P35	497
0	3	0	26	0	2564,16	CON__P04	CON__P04	493
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
0	0	0	7	0	896,4062	CON__P35	CON__P35	234
0	0	0	8	0	889,4076	sp|P38077	sp|P38077	276
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	3	0	23	1	2550,26	sp|P07257	sp|P07257	325
0	0	0	18	0	2196,967	sp|P32366	sp|P32366	164
0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	1	0	9	0	1083,56	sp|Q04013	sp|Q04013	53
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	0	0	13	0	1285,651	sp|P21306	sp|P21306	50
0	1	0	10	0	1099,562	sp|Q1223(	sp|Q1223(	134
0	0	0	9	0	870,4559	sp|Q06405	sp|Q06405	20
0	0	0	9	0	1014,571	sp|P28834	sp|P28834	207
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	14	0	1715,841	sp|P32366	sp|P32366	322
0	0	0	19	2	2183,118	CON__P04	CON__P04	442
0	0	0	19	2	2197,134	CON__P35	CON__P35	446
1	0	0	10	2	1307,647	CON__P04	CON__P04	268
0	0	0	9	0	1129,515	sp|Q0277(	sp|Q0277(	350
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P13	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
0	3	0	14	0	1630,916	sp|P40086	sp|P40086	356
1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	13	1	1397,824	sp|P07256	sp|P07256	227
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
0	1	0	12	0	1449,664	sp|P36060	sp|P36060	34
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47

0	2	0	12	0	1324,699	sp|P09457	sp|P09457	85
1	1	0	26	0	2800,323	sp|P23641	sp|P23641	115
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	12	0	1316,597	sp|P19882	sp|P19882	127
0	1	0	16	0	1796,004	CON__P13	CON__P13	371
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
1	0	0	7	0	945,4452	sp|Q0277	sp|Q0277	405
1	1	0	9	0	1152,531	sp|P39004	sp|P39004	228
3	2	0	25	1	2901,403	CON__P35	CON__P35	200
0	2	0	11	0	1111,635	sp|P07251	sp|P07251	400
0	1	0	12	0	1391,682	sp|P30902	sp|P30902	130
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	1	0	13	0	1421,69	sp|P40086	sp|P40086	67
0	0	0	24	0	2537,265	sp|P00830	sp|P00830	149
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
0	0	0	18	0	1914,9	sp|P07267	sp|P07267	176
0	0	0	7	0	839,4501	sp|P10363	sp|P10363	290
1	1	0	10	0	1195,624	sp|P04710	sp|P04710	160
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
0	2	0	20	1	2152,164	sp|P33775	sp|P33775	23
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
1	0	0	29	0	2849,533	sp|P23641	sp|P23641	62
0	0	0	9	0	1014,571	sp|P35723	sp|P35723	170
0	0	0	15	0	1715,844	CON__P04	CON__P04	418
0	1	0	10	1	1151,63	sp|P05626	sp|P05626	177
0	1	0	12	0	1296,631	sp|Q1202	sp|Q1202	72
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	1	0	10	0	1207,683	sp|Q0494	sp|Q0494	107
0	0	0	8	0	978,4342	sp|Q0401	sp|Q0401	182
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	0	0	13	0	1389,674	CON__P13	CON__P13	387
0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
2	0	0	46	2	4489,975	CON__Q86	CON__Q86	1462
2	0	0	14	0	1438,623	CON__Q86	CON__Q86	554
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
1	2	0	17	2	1987,996	sp|P28834	sp|P28834	67
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66
0	1	0	10	0	1189,601	CON__P35	CON__P35	262
0	1	0	18	0	2037,009	sp|P32191	sp|P32191	379
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
2	0	0	19	2	2405,104	sp|P13181	sp|P13181	552
0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
0	1	0	19	2	2146,15	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q0640	sp|Q0640	29

0	1	0	7	1	900,4777	sp|P32563	sp|P32563	61
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	0	0	11	1	1365,763		REV__sp|P23255|TAF	
1	1	0	19	1	2345,176	sp|P30902	sp|P30902	42
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
0	2	0	18	1	2054,058	sp|P07251	sp|P07251	247
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
0	3	0	17	1	1718,979	sp|P07251	sp|P07251	127
0	2	0	22	0	2148,277	sp|P38988	sp|P38988	122
0	0	0	10	1	1102,577	sp|P30902	sp|P30902	6
1	1	0	30	0	3118,488	sp|P46367	sp|P46367	434
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	1	0	17	0	1980,998	sp|P32563	sp|P32563	11
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	0	0	12	0	1295,683	sp|P38244	sp|P38244	873
0	1	0	10	1	1141,599	sp|P39004	sp|P39004	537
0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
0	0	0	8	1	1042,403	sp|P07256	sp|P07256	450
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	1	0	8	1	931,4975	CON__P04	CON__P04	410
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
0	0	0	13	0	1468,745	sp|P53507	sp|P53507	2
0	2	0	18	1	1839,779	sp|Q3E824	sp|Q3E824	53
0	0	0	16	0	1231,591	CON__P35	CON__P35	14
0	0	0	18	1	1831,028	sp|P32842	sp|P32842	41
0	0	0	11	0	1230,584	sp|P40086	sp|P40086	221
0	2	0	18	1	2005,049	sp|P25515	sp|P25515	35
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
0	0	0	11	0	1263,635	sp|Q3E824	sp|Q3E824	71
0	0	0	14	1	1635,81	sp|Q3E824	sp|Q3E824	71
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
0	1	0	12	0	1342,786	sp|P32340	sp|P32340	106
0	1	0	22	0	1837,907	CON__P35	CON__P35	71
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
2	0	0	22	2	2500,245	CON__P04	CON__P04	365
1	0	0	12	1	1390,673	CON__P35	CON__P35	369
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	1	0	12	0	1301,708	CON__P04	CON__P04	344
0	2	0	13	2	1495,897	sp|P09457	sp|P09457	169
0	0	0	14	0	1261,59	CON__P13	CON__P13	451
0	0	0	8	1	943,5815	sp|P28241	sp|P28241	113
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	1	0	14	1	1637,853	CON__P04	CON__P04	186
0	0	0	11	0	1077,618	sp|Q06405	sp|Q06405	39
0	1	0	20	0	2240,115	sp|Q12374	sp|Q12374	279
0	0	0	19	0	2117,056	sp|P00830	sp|P00830	416
0	1	0	24	1	2715,4	sp|P00830	sp|P00830	416

0	1	0	9	0	830,4862	CON__P35	CON__P35	62
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	13	1	1522,69	sp|P37298	sp|P37298	164
0	0	0	11	0	1324,674	sp|P07251	sp|P07251	511
0	0	0	13	1	1581,811	sp|P07251	sp|P07251	511
0	2	0	12	0	1301,621	sp|P47127	sp|P47127	344
1	1	0	10	0	1119,556	sp|P04840	sp|P04840	2
1	2	0	32	0	3240,54	sp|P04840	sp|P04840	133
0	1	0	15	0	1487,748	sp|P16622	sp|P16622	37
0	2	0	16	0	1802,869	sp|Q03798	sp|Q03798	135
2	0	0	11	0	1350,609	sp|P21306	sp|P21306	39
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
1	0	0	21	2	2583,199	CON__P13	CON__P13	323
0	0	0	12	1	1222,594	sp|P46367	sp|P46367	154
0	1	0	15	1	1645,9	sp|P21306	sp|P21306	24
0	1	0	15	0	1437,674	sp|P32340	sp|P32340	27
1	0	0	11	1	1337,719	sp|P07257	sp|P07257	80
0	0	0	16	0	1551,735	sp|P23641	sp|P23641	296
0	0	0	9	0	1064,492	CON__P35	CON__P35	155
0	1	0	13	0	1520,809	sp|P54783	sp|P54783	198
0	2	0	17	0	1897,957	sp|P07251	sp|P07251	248
0	2	0	21	0	2173,065	sp|P08067	sp|P08067	73
2	2	0	20	0	2227,977	sp|P33767	sp|P33767	266
0	2	0	11	0	1193,64	sp|P07251	sp|P07251	178
0	2	0	18	2	1793,989	sp|Q08179	sp|Q08179	63
2	1	0	19	0	1922,927	sp|P08067	sp|P08067	54
1	1	0	9	0	1125,52	sp|P13181	sp|P13181	234
0	1	0	11	0	1207,609	CON__P35	CON__P35	282
0	1	0	12	1	1335,703	CON__P35	CON__P35	282
0	1	0	17	1	1866	sp|P07257	sp|P07257	112
0	1	0	17	0	1589,79	sp|Q04947	sp|Q04947	219
0	1	0	12	0	1393,699	sp|P18239	sp|P18239	77
0	1	0	12	0	1285,724	sp|P07251	sp|P07251	213
0	1	0	13	1	1441,825	sp|P07251	sp|P07251	213
1	1	0	16	0	1565,732	sp|P23644	sp|P23644	220
0	1	0	11	0	1230,657	sp|P21306	sp|P21306	28
0	0	0	17	0	1862,901	sp|P49334	sp|P49334	129
0	1	0	12	1	1319,735	sp|P28241	sp|P28241	121
1	2	0	23	0	2414,187	sp|P40215	sp|P40215	364
0	1	0	19	0	1868,937	sp|P28241	sp|P28241	349
1	0	0	15	0	1649,9	sp|Q00711	sp|Q00711	187
0	0	0	7	0	786,4137	sp|P37299	sp|P37299	11
0	3	0	16	0	1562,878	sp|P07251	sp|P07251	128
1	2	0	16	0	1767,92	sp|P32368	sp|P32368	2
1	0	0	16	0	1992,969	CON__P04	CON__P04	224
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	0	0	27	1	3051,62	CON__P13	CON__P13	202
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49

1	0	0	11	0	1307,654	sp|P38626	sp|P38626	49
1	0	0	13	1	1528,691	sp|P40341	sp|P40341	140
0	0	0	15	1	1741,812	sp|P32386	sp|P32386	447
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	21	2	2362,286	sp|P02994	sp|P02994	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
0	0	0	9	0	1021,508	sp|P23644	sp|P23644	182
1	0	0	9	0	1080,545	sp|P0CH0	sp|P0CH0	55
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	1	0	11	0	1264,63	CON__P04	CON__P04	278
0	1	0	12	1	1392,725	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	0	0	12	2	1447,731	sp|Q0401	sp|Q0401	207
0	1	0	14	0	1699,747	sp|P32891	sp|P32891	505
0	1	0	17	0	1868,894	sp|P08067	sp|P08067	122
0	1	0	25	1	2767,272	sp|P08067	sp|P08067	122
0	0	0	8	0	973,5597	sp|P32191	sp|P32191	592
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	1	0	18	2	2046,961	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
0	1	0	19	1	1885,902	sp|P32897	sp|P32897	9
0	0	0	11	0	1357,564	sp|Q0494	sp|Q0494	186
0	0	0	9	0	1094,524	sp|P40215	sp|P40215	482
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
1	0	0	9	1	1122,542	sp|P00830	sp|P00830	224
1	0	0	15	0	1626,835	sp|P32563	sp|P32563	290
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197
1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	7	0	893,4429	sp|P23644	sp|P23644	324
0	1	0	10	1	1230,609	sp|P53721	sp|P53721	194
0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264
0	3	0	13	0	1390,761	sp|P14020	sp|P14020	200
1	1	0	13	0	1452,798	sp|P00830	sp|P00830	265
0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
0	2	0	8	0	841,5022	CON__P00	CON__P00	108
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
0	2	0	9	0	1040,55	CON__P35	CON__P35	173
1	1	0	11	1	1394,672	sp|P54783	sp|P54783	482
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	1	0	8	0	895,4763	sp|P05626	sp|P05626	179
1	1	0	16	0	1879,859	sp|P06780	sp|P06780	58
0	3	0	20	1	2359,191	sp|P49334	sp|P49334	2
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	1	0	7	0	881,4396	sp|P40046	sp|P40046	25
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
0	4	0	17	0	1835,927	sp|Q0153	sp|Q0153	52
0	1	0	22	0	2427,101	sp|P46367	sp|P46367	353

0	1	0	21	0	2239,144	sp|P38353	sp|P38353	205
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
1	1	0	12	0	1376,719	sp|Q0277(	sp|Q0277(	289
0	3	0	17	0	1846,111	sp|Q1202(	sp|Q1202(	239
0	4	0	13	1	1578,848	sp|P47075	sp|P47075	74
0	2	0	10	0	969,5607	sp|P07251	sp|P07251	68
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
1	3	0	27	0	3047,487	CON__P35	CON__P35	321
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
0	1	0	11	0	1340,571	sp|P32191	sp|P32191	621
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
0	1	0	14	0	1585,758	CON__P35	CON__P35	171
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407
0	1	0	11	0	1303,714	sp|P53173	sp|P53173	89
0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237
0	2	0	9	0	959,5036	sp|P05626	sp|P05626	123
0	1	0	7	0	801,4596	sp|P07257	sp|P07257	167
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	4	0	15	0	1614,847	sp|P36112	sp|P36112	492
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	1	0	12	0	1345,636	sp|P34248	sp|P34248	235
0	2	0	16	0	1815,981	sp|P40215	sp|P40215	314
0	1	0	9	0	1089,524	CON__P13	CON__P13	148
0	2	0	19	0	1792,082	sp|P17505	sp|P17505	20
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
1	3	0	11	0	1166,656	sp|P00890	sp|P00890	352
0	2	0	12	0	1200,635	sp|P07560	sp|P07560	141
1	1	0	12	0	1358,665	sp|P25087	sp|P25087	191
2	2	0	10	0	1243,597	sp|P46367	sp|P46367	330
2	2	0	16	1	2036,998	sp|P46367	sp|P46367	330
3	3	0	18	0	2054,996	sp|P81450	sp|P81450	12
1	0	0	17	0	2056,001	sp|P00854	sp|P00854	68
0	0	0	7	0	889,4368	sp|P40215	sp|P40215	304
0	1	0	9	1	1129,64	sp|P08067	sp|P08067	111
1	1	0	14	0	1660,756	sp|P47075	sp|P47075	267
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165

1	0	0	13	0	1311,613	sp|P38286	sp|P38286	64
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	8	1	1065,509	CON__P04	CON__P04	270
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
1	0	0	10	0	1193,568	CON__P13	CON__P13	365
1	2	0	16	0	1783,885	sp|P38631	sp|P38631	1139
1	1	0	8	0	992,4927	CON__P13	CON__P13	238
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
1	3	0	15	0	1751,898	sp|P54783	sp|P54783	26
2	0	0	23	1	1889,85	CON__P35	CON__P35	579
2	1	0	10	0	1250,702	CON__P02	CON__P02	25
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
1	0	0	8	1	1026,502	sp|P40086	sp|P40086	141
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
2	1	0	14	1	1759,867	sp|P40215	sp|P40215	330
1	0	0	9	0	1066,57	sp|P32191	sp|P32191	574
1	0	0	10	0	1220,604	sp|P35723	sp|P35723	131
1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	18	1	1891,964	sp|P46367	sp|P46367	378
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
1	3	0	21	1	2264,111	sp|P38264	sp|P38264	65
2	0	0	11	0	1412,611	sp|P32368	sp|P32368	484

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity D
28	yes	yes	2	0,02984	70,912	1	22109000	22109000
250	yes	yes	2	0,002486	101,65	1	11672000	11672000
70	yes	yes	2	8,17E-06	111,63	1	0	0
276	yes	yes	2	0,000116	123,51	1	1857300	1857300
179	yes	yes	2	0,033691	67,494	1	424160	424160
182	yes	yes	2	8,92E-05	92,38	1	6066600	6066600
443	yes	yes	2	2,50E-05	104,21	1	4449600	4449600
284	yes	yes	2;3	5,42E-06	104,45	2	0	0
192	yes	no	2	0,000582	91,317	1	0	0
376	yes	yes	2	1,24E-08	173,24	1	3142700	3142700
386	yes	yes	3	0,002363	60,062	1	351480	351480
207	yes	yes	2	0,01137	74,611	1	456830	456830
134	yes	yes	2	0,001087	91,313	1	422540	422540
113	yes	yes	3	1,36E-05	94,176	1	0	0
831	yes	yes	2	0,019813	53,211	1	0	0
62	yes	yes	2	4,48E-05	93,371	1	953300	953300
23	yes	yes	2;3	8,72E-24	219,52	2	5398100	5398100
91	yes	yes	3	0,016566	53,968	1	4469200	4469200
223	yes	yes	2;3	6,13E-12	164,92	3	1,45E+08	1,45E+08
320	yes	yes	3	0,019041	42,797	1	396820	396820
90	yes	yes	3;4	9,34E-08	134,49	2	21408000	21408000
515	yes	yes	2	5,33E-10	161,19	1	6065300	6065300
177	yes	yes	3	0,022969	42,348	1	0	0
325	yes	yes	2	0,028962	71,692	1	874390	874390
186	yes	yes	2	3,98E-06	164,89	1	11599000	11599000
343	yes	no	2	0,002474	111,28	1	0	0
65	yes	yes	3	0,031125	24,367	1	933680	933680
61	yes	yes	2;3;4	1,42E-08	133,87	3	51531000	51531000
248	yes	yes	3	0,036332	22,349	1	525420	525420
146	no	no	2	0,000677	98,942	1	359170	359170
177	yes	no	2	1,09E-30	265,75	1	17778000	17778000
167	yes	yes	2;3	4,07E-06	135,99	2	2767100	2767100
428	yes	yes	2	0,002502	86,014	1	1557000	1557000
435	yes	yes	3	0,00175	63,682	1	876930	876930
540	yes	yes	3	0,027038	29,58	1	745120	745120
65	yes	yes	2	0,000401	86,539	1	510210	510210
104	yes	yes	3	0,003718	65,179	1	1732200	1732200
235	yes	yes	2	0,014435	50,149	1	0	0
141	yes	yes	2	1,34E-21	222,56	1	5068300	5068300
142	yes	yes	2;3	1,97E-06	129,17	2	19328000	19328000
65	yes	yes	2;3	2,26E-14	181,51	2	92995000	92995000
176	yes	yes	2	0,017806	92,692	1	1,2E+08	1,2E+08
262	yes	yes	2	5,42E-09	147,51	1	6157700	6157700
184	yes	yes	2	0,004641	75,764	1	545530	545530
1755	yes	yes	2	0,002173	97,779	1	403680	403680
115	yes	yes	2;3	8,64E-06	106,7	2	5752300	5752300
62	yes	yes	2	5,87E-08	150,49	1	953000	953000
352	yes	yes	2	0,002001	104,05	1	1119500	1119500
368	no	no	2	7,72E-08	163,38	1	6949900	6949900

205	yes	yes		2	5,81E-11	177,44	1	6212100	6212100
225	yes	yes		3	0,001909	68,262	1	749550	749550
111	yes	yes		3	0,000177	81,316	1	1428200	1428200
147	yes	yes		3	0,011031	53,034	1	313510	313510
113	yes	yes		2	0,008211	65,956	1	241590	241590
198	yes	yes		2	0,000112	123,86	1	2,12E+08	2,12E+08
334	yes	yes		3	0,025641	41,117	1	681700	681700
502	yes	yes	3;4		8,60E-06	98,3	2	0	0
329	yes	yes		3	0,000546	69,361	1	407720	407720
279	yes	yes	2;3		7,94E-20	190,25	2	9475700	9475700
56	yes	no		3	0,001936	62,287	1	1319700	1319700
97	yes	yes	2;3		0,00118	85,271	2	8980400	8980400
10	yes	yes		3	0,020119	48,794	1	2172900	2172900
393	yes	yes		2	0,000706	107,11	1	425640	425640
182	yes	yes		2	1,88E-08	142,91	1	83711000	83711000
111	yes	yes		2	0,000107	88,565	1	364880	364880
293	yes	yes		2	6,62E-05	97,235	1	4361100	4361100
352	yes	yes		2	6,66E-08	166,07	1	987340	987340
115	yes	yes	2;3		3,17E-13	164,53	2	19934000	19934000
615	yes	yes		2	0,000539	108,47	1	335280	335280
61	yes	yes		2	1,75E-05	126,66	1	29394000	29394000
120	yes	yes		3	0,030944	49,3	1	1087100	1087100
53	yes	yes	2;3		0,000442	117,81	2	22537000	22537000
352	yes	yes		2	4,59E-06	131,69	1	761100	761100
368	yes	yes		3	0,006681	50,986	1	3185900	3185900
356	yes	yes		2	5,06E-14	173,87	1	1868700	1868700
116	yes	yes		2	0,000287	105,36	1	616840	616840
126	yes	yes		2	0,00514	73,665	1	0	0
266	yes	yes	2;3;4		2,33E-27	220,52	3	0	0
129	yes	yes		2	8,92E-42	284,79	1	2679200	2679200
141	yes	yes		3	3,45E-08	124,21	1	26635000	26635000
145	yes	yes		2	7,79E-06	119,17	1	1255500	1255500
352	yes	yes		2	0,004092	86,136	1	0	0
302	yes	yes		2	1,04E-07	143,98	1	14238000	14238000
303	yes	yes	2;3		1,91E-08	144,51	2	15158000	15158000
174	yes	yes		2	0,000901	102,07	1	0	0
156	yes	yes	2;3		3,63E-15	181,51	2	37300000	37300000
96	yes	yes	3;4		1,58E-10	158,31	2	13745000	13745000
42	yes	yes		2	1,14E-08	135,02	1	879930	879930
335	yes	yes		2	2,06E-10	163,71	1	8902300	8902300
64	yes	yes		2	0,005405	72,325	1	0	0
476	yes	yes		2	0,000735	94,363	1	0	0
298	yes	yes		2	1,18E-05	134,25	1	0	0
302	yes	yes		2	3,22E-06	147,4	1	0	0
274	yes	yes		2	0,002857	99,815	1	719310	719310
85	yes	yes		2	4,42E-12	175,01	1	1091200	1091200
79	yes	no		2	0,002524	101,46	1	2075900	2075900
266	yes	yes		3	1,73E-07	115,1	1	5628300	5628300
267	yes	yes		3	0,03272	25,365	1	469470	469470
145	yes	yes		3	0,021633	43,68	1	1081500	1081500

285	yes	yes		2	0,002435	93,096	1	900330	900330
161	yes	yes		3	0,034216	21,676	1	485300	485300
472	no	no		2	3,50E-09	180,09	1	0	0
205	yes	yes		3	0,017352	33,676	1	386810	386810
302	yes	yes		2	0,005852	103,55	1	625140	625140
303	yes	yes		2	0,001744	101,46	1	817520	817520
160	yes	yes	2;3		1,91E-07	114,87	2	1294700	1294700
126	yes	yes		2	5,50E-05	106,6	1	292310	292310
341	yes	yes	2;3		0,000418	99,669	2	1,92E+08	1,92E+08
106	yes	yes		4	0,030276	23,226	1	607360	607360
93	yes	yes		2	0,000517	96,866	1	605450	605450
423	yes	yes		3	0,025534	32,933	1	657910	657910
179	yes	yes		2	1,92E-13	165,89	1	1720900	1720900
196	yes	no		2	0,032783	53,237	1	735580	735580
45	yes	yes		2	0,02431	83,753	1	32860000	32860000
127	yes	yes		2	0,034307	41,502	1	0	0
102	yes	yes		2	9,29E-05	98,942	1	0	0
83	yes	yes		3	0,00218	75,566	1	768450	768450
676	yes	yes		3	0,037042	30,075	1	74142	74142
251	yes	yes		2	0,017273	76,282	1	5558000	5558000
127	yes	yes	2;3		6,68E-08	143,31	2	16769000	16769000
535	yes	yes		3	0,032031	40,624	1	2978400	2978400
315	yes	yes		2	0,000476	105,25	1	1572100	1572100
208	yes	yes		2	0,008831	109,01	1	1,14E+08	1,14E+08
114	yes	yes		2	1,53E-11	185,96	1	33595000	33595000
126	yes	yes		3	0,002272	59,983	1	878580	878580
129	yes	yes		3	2,38E-07	115,04	1	2731000	2731000
141	yes	yes		4	0,010793	48,51	1	25135000	25135000
535	yes	yes		2	0,02273	85,265	1	1E+08	1E+08
345	yes	yes		2	0,007518	70,816	1	0	0
362	yes	yes		2	2,58E-24	227,41	1	2378500	2378500
247	yes	yes	2;3		2,48E-05	105,63	3	742780	742780
511	yes	yes		2	1,07E-16	185,2	1	0	0
199	yes	yes	2;3		8,80E-10	135,57	2	8596000	8596000
173	yes	yes		3	0,004416	56,017	1	830070	830070
510	yes	yes		2	0,003643	83,081	1	562830	562830
79	yes	yes		2	0,000116	123,51	1	18257000	18257000
334	yes	yes		2	7,80E-05	89,502	1	618920	618920
38	yes	yes		2	3,74E-11	136,46	1	0	0
113	yes	yes		2	0,006606	101,43	1	25890000	25890000
247	yes	yes		2	6,84E-14	184,87	1	1,39E+08	1,39E+08
176	yes	yes		2	4,95E-42	292,73	1	42857000	42857000
156	yes	yes		2	0,016945	61,423	1	255340	255340
452	yes	yes	2;3		1,65E-55	308,42	11	1,04E+08	1,04E+08
328	yes	no		2	3,58E-08	140,33	1	878730	878730
156	yes	yes		3	0,002145	74,611	1	1002300	1002300
260	yes	yes		2	0,002229	94,767	1	518880	518880
353	yes	yes		2	4,09E-05	94,922	1	382340	382340
242	yes	yes		2	4,19E-10	144,3	1	913340	913340
105	yes	yes		2	0,033948	56,013	1	185870	185870

42	yes	yes	2;3		1,27E-05	95,365	2	0	0
201	no	no		2	0,019534	89,55	1	1257400	1257400
61	yes	yes		2	4,06E-24	214,54	1	0	0
209	yes	yes		2	0,000825	83,751	1	879060	879060
405	yes	yes		3	0,020798	47,228	1	0	0
240	yes	yes	2;3		4,97E-18	208,17	2	62432000	62432000
112	yes	yes		2	1,53E-05	115,83	1	14207000	14207000
230	yes	yes		2	0,000161	141,52	1	13703000	13703000
232	yes	yes		3	0,026632	38,303	1	1855300	1855300
172	yes	yes		3	0,01525	20,359	1	590970	590970
99	yes	yes	2;3		0,001433	102,62	2	4050100	4050100
105	yes	no		2	0,013379	100,74	1	303860	303860
247	yes	yes	2;3		1,14E-08	135,02	2	26354000	26354000
188	yes	yes		2	2,95E-16	187,63	1	768220	768220
211	no	no		2	5,95E-39	300,27	1	24641000	24641000
223	yes	yes		3	0,005027	54,306	1	624890	624890
686	yes	yes		2	0,001272	102,52	1	761240	761240
463	yes	yes		2	5,27E-14	173,49	1	1,4E+08	1,4E+08
466	yes	yes		3	0,004104	56,719	1	1005800	1005800
156	yes	yes		2	0,009799	92,47	1	687430	687430
169	yes	yes		3	0,021863	47,894	1	0	0
62	yes	yes		2	2,31E-15	214,05	1	23170000	23170000
368	yes	yes		2	2,52E-24	223,97	1	7091900	7091900
11	yes	yes		2	0,003794	124,34	1	8945300	8945300
428	yes	yes		2	0,032771	58,433	1	364340	364340
57	yes	yes		2	0,014599	98,523	1	13053000	13053000
415	yes	yes		2	0,005555	79,886	1	220650	220650
59	yes	yes		2	0,0256	58,817	1	3365400	3365400
290	yes	yes		2	1,12E-07	142,83	1	2767000	2767000
307	yes	yes	2;3		2,63E-29	254,45	2	2,17E+08	2,17E+08
41	yes	yes		2	0,000144	107,39	1	1662800	1662800
213	yes	yes		2	4,37E-06	126,1	1	32276000	32276000
308	yes	yes	2;3		0,002803	91,318	2	8147900	8147900
106	yes	yes		3	0,036318	46,88	1	173860	173860
132	yes	yes		2	5,88E-07	173,68	1	26279000	26279000
394	yes	no		2	0,009415	73,435	1	706950	706950
504	yes	yes		2	0,000168	118,03	1	2260500	2260500
294	yes	no		2	0,006658	101,28	1	21710000	21710000
482	yes	yes		3	0,012338	47,548	1	744250	744250
153	yes	yes		2	3,24E-10	169,65	1	3172800	3172800
230	yes	yes		2	0,001435	86,772	1	3083800	3083800
204	yes	yes		2	1,36E-05	117,95	1	16175000	16175000
34	no	no		2	1,76E-08	143,93	1	5118400	5118400
35	no	no		3	0,027089	33,589	1	896180	896180
549	yes	yes	2;3		7,40E-06	104,12	2	2423300	2423300
95	yes	yes		2	0,004934	60,912	1	532080	532080
13	yes	yes		3	0,027018	36,671	1	274840	274840
578	yes	yes		2	0,002725	63,883	1	388480	388480
619	yes	yes		3	0,001611	56,167	1	985750	985750
410	yes	yes	2;3		3,35E-12	166,86	3	1,2E+08	1,2E+08

387	yes	yes	2;3		1,90E-10	145,46	2	2,58E+08	2,58E+08
35	yes	yes		2	0,017793	61,167	1	1077300	1077300
50	yes	yes		4	0,016793	34,218	1	1380500	1380500
322	yes	yes	2;3		7,66E-11	171,26	2	5768600	5768600
190	yes	yes		3	0,027792	47,016	1	347390	347390
125	yes	yes		3	0,018015	34,04	1	1185600	1185600
165	yes	yes	2;3		1,24E-05	135,55	2	23252000	23252000
167	yes	yes	2;3		4,78E-05	110,08	2	26251000	26251000
373	yes	yes		2	0,002734	85,813	1	390490	390490
126	yes	yes	2;3		1,34E-05	125,36	2	67013000	67013000
117	yes	yes		2	0,013548	75,911	1	399940	399940
166	yes	yes		2	9,17E-09	154,1	1	22177000	22177000
536	yes	no		2	0,003552	59,585	1	0	0
107	yes	no		2	0,005425	104,75	1	7309300	7309300
117	yes	yes	2;3		1,46E-26	220,28	3	610750	610750
120	yes	yes		3	0,014042	41,798	1	0	0
46	yes	yes		2	2,67E-18	189,84	1	1155900	1155900
570	yes	yes		3	0,01096	46,892	1	707570	707570
215	yes	yes		2	0,001419	67,579	1	1548100	1548100
163	yes	yes		2	0,005425	104,75	1	43198000	43198000
384	yes	yes		2	2,83E-12	177,81	1	2255600	2255600
59	yes	yes		2	1,10E-10	137,69	1	7057700	7057700
115	yes	yes		3	0,007874	52,862	1	817850	817850
86	yes	yes		2	4,67E-05	89,08	1	592940	592940
550	yes	yes		2	0,024903	53,359	1	675640	675640
370	yes	yes	3;4		1,38E-09	122,12	3	35974000	35974000
62	yes	yes		2	0,033657	55,335	1	766940	766940
149	yes	yes		2	0,000317	105,65	1	95531000	95531000
315	yes	yes	2;3		1,23E-08	130,4	2	0	0
316	yes	yes		3	0,000601	66,939	1	0	0
55	yes	yes	2;3		4,50E-10	142,19	2	5662700	5662700
67	yes	yes		2	3,26E-27	237,07	1	1,53E+08	1,53E+08
548	yes	yes		2	1,64E-07	131,56	1	615720	615720
412	yes	yes		3	0,001971	71,176	1	1023200	1023200
310	yes	yes	2;3		5,31E-11	180,66	2	2,24E+08	2,24E+08
525	yes	yes		4	0,031621	28,748	1	613520	613520
226	yes	yes		2	2,70E-24	250,51	1	11117000	11117000
118	yes	no		4	0,023616	41,383	1	874310	874310
61	yes	yes	2;3		3,69E-10	141,54	2	30289000	30289000
1390	yes	no		4	0,010241	46,558	1	205760	205760
390	yes	yes		3	6,94E-06	105,53	1	874320	874320
285	yes	yes		2	0,001012	98,105	1	2627600	2627600
120	yes	yes		4	0,029028	30,205	1	213310	213310
170	yes	yes		2	0,010465	90,601	1	430610	430610
146	yes	yes	2;3		4,89E-24	226,67	2	78340000	78340000
148	yes	yes		3	1,92E-14	169,06	1	10614000	10614000
165	yes	yes		2	0,021921	46,352	1	0	0
357	yes	yes		4	0,01359	50,806	1	812720	812720
66	yes	yes		2	0,01698	67,334	1	499760	499760
24	yes	yes		3	0,012942	54,982	1	418580	418580

38	yes	yes	2;3		0,000429	118,33	2	78768000	78768000
215	yes	yes		2	1,05E-16	199,96	1	1505500	1505500
137	yes	yes	2;3		3,03E-30	230,97	2	51575000	51575000
462	yes	yes		2	0,014635	98,458	1	2536200	2536200
113	yes	yes		2	0,001272	102,52	1	445290	445290
403	no	no		2	0,00147	124,92	1	4794500	4794500
239	yes	yes	2;3		1,25E-10	142,23	2	1728300	1728300
17	yes	yes		2	0,027991	80,229	1	8916100	8916100
510	yes	yes		2	0,000615	94,09	2	2E+08	2E+08
196	yes	yes		2	4,85E-06	117,53	2	0	0
88	yes	yes		3	2,04E-11	136,57	1	0	0
139	yes	yes		2	8,99E-12	181,98	1	3,13E+08	3,13E+08
143	yes	yes	2;3		2,01E-13	163,9	2	68617000	68617000
204	yes	yes		2	0,013858	43,233	1	0	0
84	yes	yes		3	0,009067	66,326	1	0	0
184	yes	no	2;3		0,008686	73,248	2	5342200	5342200
67	yes	yes	2;3		2,60E-09	149,97	2	1,99E+08	1,99E+08
149	yes	yes		3	0,007702	69,628	1	40090000	40090000
155	yes	yes		3	0,007315	56,527	1	0	0
343	yes	yes		2	0,000623	107,79	1	890920	890920
179	yes	yes	2;3		1,85E-09	134,58	2	12492000	12492000
433	yes	yes		2	6,36E-06	136,96	1	645030	645030
77	yes	yes		3	4,88E-06	98,281	1	3609600	3609600
328	yes	yes	2;3		5,19E-34	248,23	2	0	0
54	yes	yes		2	8,03E-12	195,83	1	22556000	22556000
435	yes	yes		2	1,22E-06	127,3	1	0	0
250	yes	yes		2	0,005296	80,318	1	657010	657010
450	yes	yes	2;3		2,59E-05	114,87	2	4771500	4771500
307	yes	yes		3	0,000211	80,488	1	931640	931640
219	yes	yes	2;3		3,65E-08	123,58	2	64291000	64291000
84	yes	yes		2	0,019577	63,966	1	1579100	1579100
265	yes	yes		2	2,24E-07	123,55	1	1170300	1170300
34	yes	yes		2	0,034525	73,975	1	11968000	11968000
536	yes	yes		3	0,034886	26,012	1	878450	878450
35	yes	yes	2;3		3,86E-05	105,19	2	42225000	42225000
53	yes	yes		2	0,017397	76,17	1	397960	397960
249	yes	yes		2	0,01039	71,806	1	959250	959250
286	yes	yes		2	1,76E-08	156,36	1	34183000	34183000
253	yes	yes		2	0,03059	77,741	1	109010	109010
250	yes	yes		2	0,02894	58,172	1	1906900	1906900
23	yes	yes	2;3		1,11E-07	126,8	2	5475200	5475200
262	yes	yes	2;3		6,35E-07	116	2	12350000	12350000
343	yes	no		2	0,030221	61,958	1	410080	410080
426	yes	yes		3	0,01829	54,023	1	370320	370320
38	yes	yes	2;3		1,40E-06	110,37	2	0	0
292	yes	yes		3	0,012765	48,391	1	629700	629700
166	yes	yes	2;3		8,47E-07	128,54	2	3185100	3185100
211	yes	yes		3	0,000584	69,081	1	1953200	1953200
370	yes	yes	4;5		4,72E-07	99,443	3	1,13E+08	1,13E+08
223	yes	yes		2	0,017841	82,305	1	1,13E+08	1,13E+08

77	yes	yes		4	0,015551	43,955	1	4067300	4067300
265	yes	yes		3	8,79E-06	89,913	1	620610	620610
286	yes	yes	2;3		3,43E-12	160,18	2	8718500	8718500
205	yes	yes		3	0,010001	75,109	1	710160	710160
299	yes	yes		3	0,009505	52,599	1	905180	905180
246	yes	yes	2;3		5,96E-07	134,38	2	38224000	38224000
86	yes	yes	2;3		9,37E-06	120,03	3	582040	582040
172	yes	yes	3;4		2,83E-06	107,07	2	1,34E+08	1,34E+08
132	yes	yes		3	0,003782	67,879	1	458990	458990
363	yes	yes		2	0,009999	74,962	1	1700600	1700600
131	yes	yes	2;3		3,35E-06	142,19	2	35528000	35528000
75	yes	yes		2	0,00082	103,21	1	2043400	2043400
76	yes	yes	2;3		6,62E-08	146,71	2	7336300	7336300
86	yes	yes		3	0,007158	58,658	1	739020	739020
267	yes	yes		1	0,033956	11,069	1	185570	185570
247	yes	yes		2	0,014286	65,295	1	1564500	1564500
296	yes	yes	2;3		2,83E-31	252,47	2	20621000	20621000
220	yes	yes		2	2,88E-05	121,29	1	1995200	1995200
136	yes	yes		3	0,00287	58,835	1	1236500	1236500
518	yes	yes		3	0,000148	82,406	1	811900	811900
324	yes	yes		2	2,49E-08	137,73	1	3343800	3343800
979	yes	yes		2	0,01394	64,313	1	0	0
83	yes	yes		4	0,02184	29,901	1	2582100	2582100
163	no	no		2	0,03059	77,741	1	6918600	6918600
165	no	no	2;3		0,00101	93,649	2	2807700	2807700
39	yes	yes		2	0,001572	80,371	1	1414200	1414200
40	yes	yes		3	0,024324	33,842	1	1075100	1075100
290	yes	yes	2;3		8,42E-17	183,23	2	4144700	4144700
403	yes	yes		3	0,002108	75,566	1	843760	843760
95	yes	yes		2	9,43E-08	151,98	1	56360000	56360000
108	yes	yes		3	1,60E-05	88,945	1	11528000	11528000
450	yes	no		2	8,86E-08	160,53	1	4264100	4264100
181	yes	yes	2;3		3,48E-06	139,32	2	58231000	58231000
163	yes	yes		2	0,034495	56,139	1	734130	734130
43	yes	yes		2	0,001377	85,813	1	0	0
35	yes	yes		2	0,004189	65,278	1	0	0
85	yes	yes		2	4,65E-05	112,84	1	533940	533940
326	yes	yes		3	0,0017	68,168	1	889720	889720
46	yes	yes	2;3		1,88E-47	287,48	2	1,3E+08	1,3E+08
435	yes	yes		2	0,000149	153,61	1	1,43E+08	1,43E+08
452	yes	yes		3	0,010891	42,618	1	508290	508290
84	yes	yes		2	0,015846	73,499	1	776590	776590
136	yes	yes		2	0,000774	89,624	1	710990	710990
206	yes	yes		2	7,57E-08	138,37	1	0	0
77	yes	yes		3	4,88E-08	115,2	1	1750100	1750100
359	yes	yes		2	0,016886	60,972	1	0	0
82	yes	yes	2;3		1,60E-05	114,87	2	51327000	51327000
84	yes	yes	3;4		5,91E-13	164,92	2	71637000	71637000
61	yes	yes		3	5,37E-06	103,73	1	0	0
216	yes	yes		2	0,036498	61,593	1	2234300	2234300

466	yes	yes		2	0,016723	94,662	1	2343200	2343200
66	yes	yes		3	0,027399	40,058	1	689710	689710
425	yes	yes		4	0,014012	40,493	1	514890	514890
501	yes	yes		2	2,22E-05	124,42	1	1826800	1826800
380	yes	yes		2	0,00878	81,017	1	223860	223860
336	yes	yes		2	0,002914	80,507	1	496830	496830
135	yes	yes		2	1,54E-06	112,24	1	0	0
264	yes	yes		2	0,01322	62,633	1	340140	340140
475	yes	yes	2;3		9,63E-06	140,78	2	2,11E+08	2,11E+08
344	yes	yes		3	0,002608	59,339	1	1092100	1092100
245	yes	yes		2	0,000606	104,82	1	2888300	2888300
189	yes	yes		2	0,024363	51,346	1	0	0
406	yes	yes	2;3		1,60E-23	210,2	7	2,58E+08	2,58E+08
323	yes	yes		3	4,12E-06	105,38	1	4331100	4331100
59	yes	yes		2	4,49E-24	233,13	1	0	0
472	no	no		3	0,026709	41,684	1	0	0
415	yes	yes		2	0,001913	72,209	1	0	0
84	yes	yes		3	2,92E-15	162,98	1	14701000	14701000
455	yes	yes		2	9,71E-08	145	1	1110700	1110700
460	yes	yes		3	0,00095	66,568	1	673160	673160
64	yes	yes		3	0,026328	38,714	1	404040	404040
55	yes	yes	2;3		1,72E-10	152,89	2	1601100	1601100
148	yes	yes	2;3		0,00199	113,66	2	1251100	1251100
132	yes	yes		3	0,00869	57,175	1	529950	529950
71	yes	yes		2	0,000911	109,44	1	2557400	2557400
253	yes	yes		2	0,001036	128,38	1	689900	689900
224	yes	yes		2	1,53E-08	150,9	1	65615000	65615000
93	yes	yes		2	0,000104	84,581	1	0	0
57	yes	yes		3	2,22E-06	108,13	1	3819200	3819200
420	yes	yes		3	0,024879	43,083	1	603340	603340
397	yes	yes	2;3		5,95E-06	103,36	2	7282800	7282800
143	yes	yes		3	0,003072	69,345	1	1328300	1328300
161	yes	yes		2	0,004551	76,01	1	497830	497830
85	yes	yes		2	0,008831	109,01	1	2361200	2361200
258	yes	yes		2	0,035533	56,916	1	3879700	3879700
192	yes	no		3	0,025235	41,08	1	400800	400800
172	yes	yes	3;4;5		0,000177	82,831	3	1,03E+08	1,03E+08
417	no	no	3;4		0,000413	104,43	2	1943500	1943500
166	yes	yes		2	8,98E-05	92,269	1	26909000	26909000
274	yes	yes		2	0,007951	110,61	1	3729600	3729600
402	yes	yes		2	0,003621	96,034	1	3013600	3013600
141	yes	yes		3	0,002817	64,827	1	2851500	2851500
408	yes	yes		2	0,03108	69,812	1	4479300	4479300
409	yes	yes	2;3		7,00E-05	131,62	2	5173000	5173000
534	yes	yes		2	0,009801	83,206	1	5040900	5040900
10_YEAST	yes	yes		2	0,018745	90,986	1	1,46E+08	1,46E+08
365	yes	yes		2	1,74E-10	166,7	1	12015000	12015000
408	yes	yes		2	0,000235	97,957	1	0	0
340	yes	yes		2	5,68E-05	110,84	1	1948000	1948000
93	yes	yes	2;3		1,52E-42	288,06	3	3,67E+08	3,67E+08

266	yes	yes		2	0,01749	53,013	1	0	0
159	yes	yes		2	6,65E-07	115,2	1	10826000	10826000
401	yes	yes		2	0,001167	83,823	1	756840	756840
239	yes	yes		2	0,010749	75,416	1	507520	507520
447	yes	yes	2;3		1,32E-11	154,08	2	0	0
246	yes	yes		2	8,48E-11	179,37	1	30840000	30840000
247	yes	yes	2;3		8,50E-06	112,11	2	2955600	2955600
84	yes	yes		3	0,001349	88,177	1	1140500	1140500
109	yes	yes		2	3,05E-07	136,53	1	1114200	1114200
418	yes	yes		2	0,006484	67,494	1	0	0
86	yes	yes		2	2,26E-12	197,21	1	0	0
264	yes	no		2	0,01158	55,353	1	0	0
19	yes	yes		3	0,000256	78,78	1	0	0
46	yes	yes		2	0,02734	48,423	1	0	0
521	yes	yes		2	0,00036	76,909	1	0	0
518	yes	yes		3	0,000112	83,115	1	0	0
530	yes	yes		2	0,003325	71,933	1	0	0
240	yes	yes		2	0,006921	86,472	1	0	0
283	yes	yes		2	0,000226	131,06	1	0	0
344	yes	yes	2;3		8,72E-11	145,19	2	18972000	18972000
347	yes	yes		3	0,000572	67,396	1	1338200	1338200
181	yes	yes		2	1,18E-05	96,562	1	0	0
108	yes	yes		2	7,82E-18	206,46	1	15214000	15214000
61	yes	yes		2	0,020057	81,95	1	453630	453630
83	yes	yes		2	3,55E-08	153,81	1	2691700	2691700
62	yes	yes		2	2,71E-08	144,8	1	17985000	17985000
143	yes	yes		2	0,024662	64,121	1	178190	178190
28	yes	yes		2	0,000577	112,3	1	22186000	22186000
215	yes	yes		2	0,003949	94,409	1	1635400	1635400
19	yes	yes		2	0,000137	144,12	1	7695600	7695600
335	yes	yes		3	0,009589	54,276	1	547360	547360
460	yes	yes		3	0,005287	58,635	1	1048100	1048100
464	yes	yes		3	1,21E-05	91,518	1	912280	912280
277	no	no		3	0,004893	77,288	1	9693900	9693900
358	yes	yes		2	0,003559	96,342	1	479660	479660
107	yes	yes		2	6,44E-19	227,81	1	49718000	49718000
359	no	no		2	1,41E-15	206,32	1	5910200	5910200
144	yes	yes	2;3		2,05E-07	133,96	2	4364300	4364300
104	yes	yes		2	9,19E-42	284,24	2	1,43E+08	1,43E+08
438	yes	yes		3	0,010819	53,947	1	2442900	2442900
369	yes	yes		3	0,022168	39,006	1	479060	479060
289	yes	yes		2	0,012703	76,843	1	1628500	1628500
239	yes	yes	2;3		2,99E-12	174,21	2	26322000	26322000
240	yes	yes		3	0,002981	67,952	1	5969600	5969600
145	yes	yes	2;3		2,70E-26	214,46	2	0	0
267	yes	yes		2	4,73E-06	133,42	1	0	0
311	yes	yes		2	0,003649	75,018	1	404420	404420
533	yes	yes		2	6,63E-05	97,214	1	532950	532950
45	yes	yes		3	0,022931	41,383	1	254360	254360
59	yes	yes	2;3		3,16E-21	211,51	2	50012000	50012000

96	yes	yes	2;3		6,38E-56	328,43	2	92387000	92387000
140	yes	yes		3	0,006661	51,628	1	0	0
471	yes	yes		2	0,019974	73,841	1	447670	447670
77	yes	yes		2	7,98E-22	222,81	1	43635000	43635000
138	yes	yes		2	4,61E-08	138,42	1	0	0
386	yes	yes		2	3,71E-07	127,3	1	634150	634150
322	yes	yes	2;3		3,57E-09	133,27	2	0	0
349	yes	yes	2;3		8,96E-05	99,392	2	0	0
164	yes	yes		2	0,001312	76,301	1	3924000	3924000
411	yes	yes		2	0,008409	71,342	1	0	0
236	yes	no		2	0,023784	70,399	1	429000	429000
224	yes	yes		3	0,000493	68,458	1	1005300	1005300
410	yes	yes		2	2,54E-07	140,24	1	4840100	4840100
141	yes	yes		2	5,03E-14	190,66	1	6189900	6189900
267	yes	yes		2	1,60E-06	127,32	1	1017000	1017000
79	yes	yes		3	0,00185	73,082	1	550380	550380
172	yes	yes		3	1,51E-05	91,276	1	1630000	1630000
166	yes	yes		2	4,08E-06	107,63	1	0	0
193	yes	yes		2	0,000442	84,436	1	538330	538330
296	yes	yes		1	0,033589	23,523	1	485300	485300
169	yes	yes		2	0,001175	103,31	1	2556600	2556600
170	yes	yes	2;3		1,46E-07	143,4	2	6223800	6223800
42	yes	yes		3	0,003205	58,564	1	1223300	1223300
261	yes	yes		2	0,000166	109,39	1	2274500	2274500
90	yes	yes	2;3		6,17E-05	84,529	2	1410600	1410600
178	yes	yes		2	0,004585	91,265	1	490410	490410
432	yes	yes		2	5,42E-17	197,47	1	2017100	2017100
186	yes	yes	2;3		0,00056	94,409	2	8208000	8208000
83	yes	yes		3	0,035268	27,098	1	221820	221820
276	yes	yes		2	3,07E-06	128,73	1	11948000	11948000
60	yes	yes	2;3		2,91E-11	157,84	2	77107000	77107000
267	yes	yes	2;3		5,80E-15	162,81	2	42439000	42439000
116	yes	yes		3	0,009997	59,153	1	1058400	1058400
189	yes	yes		2	0,031078	44,753	1	0	0
61	yes	yes		2	0,002276	74,789	1	873900	873900
399	yes	no		2	0,006344	74,853	1	1262200	1262200
68	yes	yes		2	1,18E-17	183,23	1	2303700	2303700
1507	yes	no		7	0,015454	2,64E-13	1	86220	86220
567	yes	yes		3	0,035523	14,996	1	0	0
257	no	no	2;3		0,000523	97,452	2	5343200	5343200
83	yes	yes		4	0,029576	34,485	1	660590	660590
84	yes	yes	2;3		3,84E-08	129,42	2	31130000	31130000
271	yes	yes		2	0,005884	70,942	1	0	0
396	yes	yes		2	0,019483	40,614	1	0	0
159	yes	yes	2;3		0,000662	86,772	2	41615000	41615000
11	yes	yes		2	0,037153	58,246	1	18192000	18192000
570	yes	yes		4	0,016473	43,532	1	5845800	5845800
146	yes	yes	3;4		2,29E-14	175,26	2	30344000	30344000
148	yes	yes		4	0,007532	54,764	1	809870	809870
38	yes	yes	2;3;4		0,000219	106,2	3	40245000	40245000

67	yes	yes		2	0,026849	69,825	1	110880	110880
71	yes	yes	2;3		0,002376	80,916	2	8400300	8400300
2_YEAST	yes	yes		3	0,037153	58,592	1	0	0
60	yes	yes	3;4		1,59E-20	195,97	2	37684000	37684000
196	yes	yes		4	0,014149	36,744	1	1581500	1581500
264	yes	yes		3	3,90E-10	145,99	1	0	0
188	yes	yes		3	1,30E-05	110,64	1	1,36E+08	1,36E+08
143	yes	yes	2;3		1,57E-07	117,48	2	22116000	22116000
143	yes	yes		2	0,009497	59,857	1	234300	234300
15	yes	yes		3	0,005624	66,056	1	10170000	10170000
463	yes	yes		3	0,000587	62,722	1	0	0
152	yes	yes	2;3		6,19E-31	271,32	2	22226000	22226000
27	yes	yes		2	0,019737	42,068	1	0	0
137	yes	yes		3	0,007222	66,692	1	268380	268380
884	yes	yes		3	0,036472	25,701	1	723240	723240
546	yes	no		3	0,035203	30,564	1	153960	153960
545	yes	yes		2	5,83E-16	217,64	1	32277000	32277000
124	yes	yes	2;3		1,17E-30	248,81	2	78753000	78753000
191	yes	yes		2	2,01E-05	135,71	1	33953000	33953000
457	yes	yes		2	0,016778	54,157	1	0	0
551	yes	yes		2	0,003214	98,048	1	4670200	4670200
417	no	no		3	0,034942	34,003	1	111890	111890
370	yes	no	2;3		0,010665	75,213	2	7471800	7471800
523	yes	yes		2	9,78E-14	165,34	1	0	0
14	yes	yes		2	0,011205	64,104	1	369880	369880
70	yes	yes		3	0,006992	55,415	2	719550	719550
29	yes	yes		2	0,019166	58,246	1	2938400	2938400
58	yes	yes		3	0,000648	73,296	1	0	0
231	yes	yes		2	2,28E-07	142,19	1	848390	848390
52	yes	yes		3	0,00037	77,42	1	734690	734690
375	yes	yes		3	0,000643	66,264	1	753480	753480
81	yes	yes		2	0,000338	107,09	1	1024500	1024500
84	yes	yes		2	1,61E-08	136,6	1	706600	706600
153	yes	yes	2;3		0,000356	95,981	2	2209700	2209700
117	yes	yes		2	0,015605	63,091	1	553900	553900
92	yes	yes		2	2,41E-15	178,57	1	5305600	5305600
376	yes	yes		2	1,02E-05	122,97	1	2960800	2960800
386	yes	yes		4	0,007333	54,008	1	1354500	1354500
380	yes	yes	3;4		1,10E-06	131,79	2	2959100	2959100
128	yes	yes		2	2,10E-34	272,5	1	22499000	22499000
355	no	no		2	2,13E-18	207,95	1	10111000	10111000
181	yes	yes		4	2,83E-06	124,38	1	18241000	18241000
464	yes	yes		2	5,60E-09	154,1	1	2640000	2640000
120	yes	yes		2	0,027688	62,582	1	476540	476540
197	no	no		2	1,38E-05	125,03	1	8472300	8472300
199	no	no		3	0,0069	57,106	1	2947200	2947200
49	yes	yes		2	0,022571	62,338	1	1,14E+08	1,14E+08
298	yes	yes		2	0,004259	58,479	1	0	0
434	yes	yes	2;3		4,26E-41	257,2	2	0	0
439	yes	yes		3	1,05E-20	196,98	1	0	0

70	yes	yes		2	0,000104	131,52	1	35933000	35933000
74	yes	yes		2	1,05E-06	157,75	1	8700400	8700400
176	yes	yes		3	0,035784	23,828	1	409390	409390
521	yes	yes	2;3		4,61E-25	253,97	2	1,9E+08	1,9E+08
523	yes	yes	3;4		0,001353	76,728	2	10242000	10242000
355	yes	yes		2	0,009148	73,881	1	346840	346840
11	yes	yes		2	0,013666	75,819	1	1,13E+08	1,13E+08
164	yes	yes	3;4		1,44E-16	174,55	2	0	0
51	yes	yes		2	0,001061	71,286	1	0	0
150	yes	yes		2	0,00477	65,905	1	288590	288590
49	yes	yes		2	8,65E-09	158,25	1	30194000	30194000
334	yes	yes	2;3		8,91E-08	140,45	2	17364000	17364000
343	yes	yes	3;4		5,80E-05	86,213	2	4462100	4462100
165	yes	yes		3	0,002487	72,289	1	348100	348100
38	yes	yes		2	2,56E-09	150,12	1	1560400	1560400
41	yes	yes		2	0,002999	77,324	1	900430	900430
90	yes	yes		2	3,13E-06	119,39	1	0	0
311	yes	yes		2	9,82E-07	114,7	1	10382000	10382000
163	yes	yes		2	0,026591	47,302	1	0	0
210	yes	yes		2	1,46E-05	116,63	1	1113000	1113000
264	yes	yes	2;3		2,12E-38	258,12	2	0	0
93	yes	yes	2;3		5,40E-08	114,9	2	0	0
285	yes	yes	3;4		0,01624	37,85	2	1466600	1466600
188	yes	yes	2;3		0,001544	84,479	2	1,57E+08	1,57E+08
80	yes	yes		3	0,007349	57,173	1	803690	803690
72	yes	yes		2	1,16E-08	127,59	1	0	0
242	yes	yes		2	4,62E-11	186,41	1	2749200	2749200
292	yes	yes		2	1,57E-05	127,52	1	1874900	1874900
293	yes	yes		2	0,000301	103,43	1	1104900	1104900
128	yes	yes	3;4		0,000418	78,249	2	37053000	37053000
235	yes	yes		2	0,001731	78,078	1	1546900	1546900
88	yes	yes		2	7,73E-12	182,1	1	30454000	30454000
224	yes	yes		2	1,68E-25	254,07	1	1,83E+08	1,83E+08
225	yes	yes	2;3		4,68E-60	327,1	2	8347300	8347300
235	yes	yes		2	1,46E-09	141,06	1	2654600	2654600
38	yes	yes		2	2,31E-14	203,61	1	28408000	28408000
145	yes	yes		2	1,58E-23	210,39	1	974550	974550
132	yes	yes		2	0,004813	73,632	1	0	0
386	yes	yes	2;3		2,81E-15	164,69	2	2214100	2214100
367	yes	yes		2	9,69E-09	133,52	1	1097900	1097900
201	yes	yes		4	0,030709	31,675	1	580580	580580
17	yes	yes		2	0,027747	80,462	1	2486400	2486400
143	yes	yes		2	2,31E-30	243,04	1	2,59E+08	2,59E+08
17	yes	yes		2	9,40E-07	115,58	1	481630	481630
239	yes	yes		3	2,93E-07	111,66	1	1274200	1274200
105	yes	yes		2	3,41E-11	173,04	2	1916700	1916700
228	yes	yes		3	0,001857	60,472	1	561880	561880
229	yes	yes		2	0,000116	123,51	1	56897000	56897000
240	yes	yes	2;3		1,73E-11	155,08	2	52173000	52173000
66	yes	yes		2	3,31E-07	118,15	1	1511600	1511600

59	yes	yes		3	0,022151	43,297	1	0	0
152	yes	yes		3	0,030461	29,912	1	133340	133340
461	yes	yes		3	0,017677	41,743	1	222990	222990
215	yes	yes		2	1,30E-08	138,02	1	0	0
233	yes	yes		2	1,57E-05	140,83	1	1901000	1901000
245	yes	yes		3	0,021257	40,014	1	823880	823880
492	no	no		2	4,28E-05	133,99	1	4584800	4584800
190	yes	yes		2	0,019616	74,165	1	2651700	2651700
63	yes	no		2	0,019284	74,464	1	1342300	1342300
126	yes	yes		2	2,00E-08	148,48	1	7569200	7569200
288	yes	yes		2	0,000612	103,44	1	1813100	1813100
289	yes	yes	2;3		1,95E-06	129,74	2	12136000	12136000
118	yes	yes		2	2,18E-13	163,56	1	6169700	6169700
218	yes	yes		3	0,000315	96,82	1	1355900	1355900
518	yes	yes		3	0,019311	42,469	1	909560	909560
138	yes	yes		3	0,001126	63,462	1	0	0
146	yes	yes	3;4		0,003132	59,242	2	380290	380290
599	yes	yes		2	0,00387	109,11	1	531520	531520
44	yes	yes		2	2,87E-05	134,57	1	3773100	3773100
53	yes	yes		3	1,26E-05	98,552	1	2446400	2446400
206	yes	yes		2	0,002361	117,81	1	730940	730940
27	yes	yes		3	0,012575	42,708	1	733360	733360
196	yes	yes		2	0,005804	66,004	1	0	0
490	yes	yes		2	0,017273	76,282	1	958300	958300
494	yes	yes		4	0,013759	48,568	1	1556300	1556300
232	yes	yes	2;3		0,020972	60,167	2	21925000	21925000
304	yes	yes		2	0,000111	101,72	1	1671300	1671300
150	yes	yes		2	0,000629	99,844	1	1963900	1963900
200	yes	yes		2	0,000348	121,6	1	34074000	34074000
209	yes	yes		2	1,71E-42	299,2	1	1,17E+08	1,17E+08
20	yes	yes	2;3		0,000104	98,407	2	0	0
330	yes	yes		2	6,82E-05	111,65	1	0	0
203	yes	yes		3	0,029669	34,206	1	305660	305660
274	yes	yes		2	4,26E-05	114,71	1	2921700	2921700
212	yes	yes		2	0,004068	79,886	1	1129500	1129500
277	yes	yes		2	1,28E-21	222,94	1	41155000	41155000
262	yes	yes	2;3		7,08E-43	281,6	3	1481200	1481200
115	yes	yes		2	0,000488	132,76	1	3,16E+08	3,16E+08
320	yes	yes		2	1,93E-24	247,67	1	2416500	2416500
181	no	no		2	0,008877	83,869	1	4366800	4366800
492	yes	yes		3	0,023253	43,419	1	641780	641780
246	yes	yes	2;3		1,32E-06	132,24	2	3364900	3364900
186	yes	yes		2	0,008032	97,431	1	2168400	2168400
73	yes	yes		2	9,81E-06	109,1	1	375700	375700
21	yes	yes		3	0,034624	19,689	1	381410	381410
105	yes	yes		2	5,86E-08	150,51	1	8104100	8104100
31	yes	yes		2	0,025148	55,676	1	0	0
97	yes	yes	2;3		9,31E-50	284,84	13	1,27E+08	1,27E+08
68	yes	no		2	1,21E-09	136,66	1	712470	712470
374	yes	yes		3	2,21E-09	134,29	1	0	0

225	yes	yes		3	0,019753	34,174	1	265220	265220
414	yes	yes		2	0,007946	75,89	1	1875100	1875100
262	yes	yes		2	4,30E-05	107,63	1	1166500	1166500
219	yes	yes		3	0,00754	55,755	1	353450	353450
157	yes	yes	2;3		0,001378	96,665	2	3138100	3138100
300	yes	yes		2	7,49E-08	148,18	1	1230000	1230000
255	yes	yes		2	0,006178	57,595	1	0	0
86	yes	yes		3	0,022505	39,006	1	558860	558860
77	yes	yes		2	0,002799	90,149	1	2,43E+08	2,43E+08
266	yes	yes		2	1,12E-06	157,66	1	3221400	3221400
459	yes	yes		2	1,29E-08	152,16	1	2597900	2597900
179	yes	yes	3;4		2,16E-15	166,36	2	16117000	16117000
249	yes	yes	2;3		1,69E-11	150,13	2	0	0
176	yes	yes	2;3		1,44E-20	202,21	2	26311000	26311000
242	yes	yes	2;3		5,22E-22	216,01	2	52316000	52316000
347	yes	yes		3	9,62E-06	93,21	1	0	0
367	yes	yes		2	0,00371	78,113	1	0	0
631	yes	yes		2	0,027906	43,502	1	0	0
172	yes	yes		2	0,023688	65,157	1	607070	607070
184	yes	yes		2	6,22E-12	164,66	1	2254200	2254200
415	yes	yes		2	2,98E-17	176,6	3	0	0
99	yes	yes		2	0,001125	96,604	1	288010	288010
223	yes	yes		2	1,84E-06	156,83	1	43595000	43595000
248	yes	yes		2	5,23E-19	225,15	1	56973000	56973000
131	yes	yes		2	7,61E-08	163,66	1	1,11E+08	1,11E+08
173	yes	yes		2	0,03191	76,478	1	1765400	1765400
178	yes	yes	2;3		4,86E-17	206,74	2	14785000	14785000
182	yes	yes		3	0,000594	80,738	1	4308900	4308900
506	yes	yes		2	8,77E-05	103,77	1	630480	630480
310	yes	yes	2;3		1,17E-07	112,85	2	0	0
246	yes	yes		2	0,013273	66,989	1	632450	632450
329	yes	yes		2	0,00668	57,708	1	0	0
156	no	no		2	0,000201	96,342	1	0	0
38	yes	yes		2	0,022518	54,74	1	242930	242930
155	yes	yes		2	1,66E-18	213,06	2	1,63E+08	1,63E+08
163	yes	yes	2;3		2,07E-33	246,48	2	24524000	24524000
182	yes	yes		2	0,013823	75,652	1	1,72E+08	1,72E+08
362	yes	yes		3	0,032887	31,286	1	0	0
152	yes	yes		2	0,000436	103,43	1	549030	549030
202	yes	yes		3	0,025119	38,875	1	247740	247740
339	yes	yes		2	0,002626	91,549	1	342270	342270
345	yes	yes	2;3		4,73E-05	94,922	2	1113600	1113600
29	yes	yes	2;3		3,04E-08	128,85	2	0	0
84	yes	yes	2;3		2,87E-47	289,95	4	0	0
310	yes	yes		2	0,032767	45,335	1	0	0
119	yes	yes	2;3		0,006073	69,598	2	12994000	12994000
280	yes	yes		2	0,036021	40,941	1	0	0
75	yes	yes		2	0,012397	80,688	1	5485600	5485600
76	yes	yes	2;3		1,64E-05	133,13	2	4903300	4903300
174	yes	yes		2	6,64E-07	151,83	1	0	0

76	yes	yes		2	0,008977	69,03	1	332230	332230
273	yes	yes		2	0,000292	123,86	1	13233000	13233000
274	yes	yes	2;3		2,00E-06	148,91	2	15132000	15132000
502	yes	yes	2;3		1,89E-15	168,99	3	1079200	1079200
140	yes	yes		2	1,19E-18	218,06	1	20210000	20210000
277	no	no		3	0,029174	40,778	1	355900	355900
386	yes	yes		2	5,56E-09	178,53	1	9212300	9212300
374	no	no		2	0,006839	83,081	1	753150	753150
1154	yes	yes		3	0,006662	55,98	1	520600	520600
245	yes	yes		2	0,013211	85,676	1	1032100	1032100
108	no	no		2	1,17E-07	142,1	1	32556000	32556000
110	no	no		3	0,011111	51,726	1	2697100	2697100
40	yes	yes		2	0,023177	57,703	1	1327900	1327900
601	yes	yes	2;3		5,28E-11	136,61	2	6147600	6147600
34	yes	yes		2	0,019399	69,721	1	706300	706300
249	yes	yes		2	0,011671	59,154	1	1161300	1161300
148	yes	yes		3	0,020101	49,423	1	169520	169520
113	yes	yes		2	0,030973	77,374	1	71238000	71238000
119	yes	yes	2;3		8,11E-09	152	2	41309000	41309000
279	yes	yes		3	0,003675	64,224	1	1415600	1415600
280	yes	yes	3;4		6,31E-06	115,12	2	6549300	6549300
175	yes	yes		2	0,011684	87,181	1	255230	255230
234	yes	yes		2	0,010486	79,201	1	82757000	82757000
343	yes	yes		3	0,002186	64,121	1	923910	923910
582	yes	yes		2	0,017465	54,982	1	0	0
140	yes	yes		2	0,029855	61,765	1	555500	555500
128	yes	yes		2	2,27E-09	152,88	1	0	0
53	yes	yes		2	8,13E-08	132,51	1	2405700	2405700
395	yes	yes		3	0,000796	65,949	1	1157100	1157100
78	yes	yes		2	0,002617	66,215	1	0	0
85	yes	yes		3	0,013087	44,788	1	0	0
494	yes	yes		2	0,001199	95,618	1	586070	586070

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (	
		0	36	0	0	0	0		
		1	30	1	1	1	1		
		2	71	2	2	2	2		
		3	62	3	3	3	3		
		4	118	4	4	4	4		
		5	27	5	5	5	5		
		6	45	6	6	6	6		
	+	7	4	7	7;8	7;8;9;10;1:	8	6	
		8	137	8	9	13	13		
	+	9	3	9	10	14	14		
	+	10	3	10	11	15	15		
		11	70	11	12	16	16		
		12	111	12	13	17	17		
		13	50	13	14	18	18	69	
		14	64	14	15	19	19		
		15	38	15	16	20	20		
		16	46	16	17;18	21;22	21		
		17	35	17	19	23;24	24		
		18	15	18	20;21;22	25;26;27;2	28		
		19	96	19	23	30	30		
		20	13	20	24;25	31;32	32		
		21	102	21	26	33	33		
		22	88	22	27	34	34	95	
		23	65	23	28	35	35		
		24	16	24	29	36	36		
		25	120	25	30	37	37	108	
		26	22	26	31	38	38		
		27	21	27	32;33;34	39;40;41	39		
		28	21	28	35	42	42		
	+	29	1	29	36	43	43		
	+	30	4	30	37	44	44		
		31	28	31	38;39	45;46	46		
		32	29	32	40	47	47		
		33	29	33	41	48	48		
		34	68	34	42	49	49		
		35	97	35	43	50	50		
		36	12	36	44	51	51		
		37	47	37	45	52	52	63;64	
		38	30	38	46	53	53		
		39	30	39	47;48	54;55	55		
		40	22	40	49;50	56;57;58	56		
		41	29	41	51	59;60;61	59		
		42	49	42	52	62	62		
		43	92	43	53	63	63		
		44	105	44	54	64	64		
		45	13	45	55;56	65;66	65		
		46	131	46	57	67	67		
	+	47	5	47	58	68	68		
	+	48	7	48	59	69	69		

	49	49	49	60	70	70			
	50	59	50	61	71	71			
	51	31	51	62	72	72			
	52	123	52	63	73	73			
	53	100	53	64	74;75	75			
	54	29	54	65	76	76			
	55	56	55	66	77	77			
	56	15	56	67;68	78;79	78	17		
	57	106	57	69	80	80			
	58	30	58	70;71	81;82	81			
	59	94	59	72	83	83			
	60	138	60	73;74	84;85	85			
	61	80	61	75	86	86			
	62	58	62	76	87	87			
	63	81	63	77	88;89	88			
	64	31	64	78	90	90			
	65	15	65	79	91;92	92			
	66	65	66	80	93	93			
	67	30	67	81;82	94;95;96	95			
	68	95	68	83	97	97			
	69	21	69	84	98	98			
	70	38	70	85	99	99			
	71	31	71	86;87	100;101	101			
	72	58	72	88	102	102			
+	73	6	73	89	103	103			
	74	56	74	90	104	104			
	75	117	75	91	105	105			
	76	62	76	92	106	106			
	77	81	77	93;94;95	107;108;10	111	85;86		
	78	57	78	96	114	114			
	79	57	79	97	115	115			
	80	47	80	98	116	116			
	81	59	81	99	117	117	73		
	82	31	82	100	118	118			
	83	31	83	101;102	119;120	120			
	84	57	84	103	121	121	71		
	85	22	85	104;105	122;123	122			
	86	36	86	106;107	124;125	125			
	87	65	87	108	126	126			
	88	30	88	109	127	127			
	89	90	89	110	128	128			
	90	118	90	111	129	129	106		
+	91	3	91	112	130	130	1		
+	92	7	92	113	131	131	12		
	93	59	93	114	132	132			
	94	50	94	115	133	133			
	95	14	95	116	134	134			
	96	27	96	117	135	135			
	97	27	97	118	136	136			
	98	122	98	119	137	137			

	99	56	99	120	138	138	
	100	72	100	121	139	139	
+	101	3	101	122	140	140	2
	102	21	102	123	141	141	
	103	102	103	124	142	142	
	104	102	104	125	143	143	
	105	136	105	126;127	144;145;14	144	
	106	133	106	128	150	150	
	107	29	107	129;130	151;152	151	
	108	130	108	131	153	153	
	109	106	109	132	154	154	
	110	59	110	133	155	155	
	111	49	111	134	156	156	
	112	121	112	135	157	157	
	113	119	113	136	158	158	
	114	29	114	137	159	159	
	115	47	115	138	160	160	65
	116	56	116	139	161	161	
	117	44	117	140	162	162	
	118	102	118	141	163	163	
	119	13	119	142;143	164;165	165	
	120	29	120	144	166	166	
	121	65	121	145	167	167	
	122	29	122	146	168;169	168	
	123	81	123	147	170	170	
	124	81	124	148	171	171	
	125	57	125	149	172	172	
	126	57	126	150	173	173	
	127	29	127	151	174	174	
	128	101	128	152	175	175	99
+	129	4	129	153	176	176	
	130	15	130;131	154;155;15	177;178;17	177	18
	131	106	132	157	180	180	102
	132	31	133	158;159	181;182	182	
	133	55	134	160	183	183	
	134	118	135	161	184	184	
	135	31	136	162	185	185	
	136	103	137	163	186	186	
	137	43	138	164	187;188;18	188	52
	138	57	139	165	190	190	
	139	15	140	166	191	191	
	140	22	141	167	192;193;19	193	
	141	100	142	168	195	195	
	142	29	143	169;170;17	196;197;19	197	
+	143	1	144	180	228	228	
	144	66	145	181	229	229	
	145	24	146	182	230	230	
	146	52	147	183	231	231	
	147	55	148	184	232;233	232	
	148	143	149	185	234	234	

	149	49	150	186;187	235;236	235	66
+	150	7;5	151	188	237	237	
	151	13	152	189	238	238	16
	152	32	153	190	239	239	
	153	54	154	191	240	240	
	154	81	155	192;193	241;242	241	
	155	49	156	194	243	243	
	156	31	157	195	244	244	
	157	31	158	196	245	245	
+	158	7	159	197	246	246	
	159	49	160	198;199	247;248	247	
	160	58	161	200	249	249	
	161	31	162	201;202	250;251	250	
	162	42	163	203	252	252	
+	163	3;7	164	204	253	253	
+	164	3	165	205	254	254	
	165	44	166	206	255	255	
	166	15	167	207	256;257;25	256	
	167	15	168	208	259;260	260	
	168	98	169	209	261	261	
	169	25	170	210	262	262	27
	170	31	171	211	263	263	
	171	31	172	212	264	264	
	172	119	173	213	265	265	
	173	109	174	214	266	266	
	174	80	175	215	267	267	
+	175	8	176	216	268	268	
+	176	6	177	217	269	269	
	177	31	178	218	270	270	
	178	15	179	219;220	271;272;27	272	
	179	56	180	221	275	275	
	180	31	181	222	276	276	
	181	27	182	223;224	277;278	278	
	182	52	183	225	279	279	
	183	21	184	226	280	280	
	184	104	185	227	281	281	
	185	102	186	228	282	282	
	186	43	187	229	283	283	
	187	58	188	230	284	284	
	188	106	189	231	285	285	
	189	45	190	232	286	286	
	190	43	191	233	287	287	
+	191	7	192	234	288	288	
+	192	7	193	235	289	289	
+	193	3	194	236;237	290;291	290	
+	194	6	195	238	292	292	
	195	141	196	239	293	293	
+	196	7	197	240	294;295	295	
+	197	6	198	241	296	296	
	198	29	199	242;243;24	297;298;29	298	

	199	15	200	245;246	301;302;3(	303		
	200	35	201	247	304	304		
	201	35	202	248	305	305		
	202	31	203	249;250	306;307	306		
	203	69	204	251	308	308		
	204	86	205	252	309;310	310		
	205	57	206	253;254	311;312	312		
	206	57	207	255;256	313;314	314		
	207	61	208	257	315	315		
	208	81	209	258;259	316;317	317		
	209	141	210	260	318	318		
	210	31	211	261	319	319		
	211	94	212	262	320	320		97
	212	14	213	263	321	321		
	213	29	214;215	264;265;2(	322;323;32	322		31
	214	29	216	267	330	330		31
	215	50	217	268	331;332;33	332		
	216	38	218	269	334	334		
	217	34	219	270	335	335		
	218	29	220	271	336;337	336		
	219	45	221	272	338	338		
+	220	4	222	273	339	339		
	221	76	223	274	340	340		
+	222	4	224	275	341	341		
+	223	7	225	276	342	342		
	224	15	226	277;278;27	343;344;34	343		
	225	79	227	280	354	354		
	226	36	228	281	355	355		
	227	43	229	282;283	356;357	356	53;54	
	228	43	230	284	358	358	53;54	
	229	45	231	285;286	359;360	360		
	230	29	232	287	361	361		
	231	44	233	288	362	362		
	232	106	234	289	363	363		
	233	29	235	290;291	364;365	364		
	234	73	236	292	366	366		
	235	30	237	293	367	367		
	236	58	238	294	368	368		
+	237	7	239	295;296	369;370;37	369		
+	238	9	240	297	372	372		
+	239	6	241	298	373	373		
	240	106	242	299	374	374		
	241	38	243	300	375	375		
	242	71	244	301	376	376		
	243	81	245	302;303	377;378	378		
	244	81	246	304	379	379		
	245	129	247	305	380	380		115
	246	107	248	306	381	381		
	247	48	249	307	382	382		
	248	99	250	308	383	383		

	249	132	251	309;310	384;385	385	
	250	106	252	311	386	386	
	251	36	253	312;313	387;388	387	
	252	102	254	314	389	389	
	253	63	255	315	390	390	
+	254	3;7	256	316	391	391	
	255	126	257	317;318	392;393	392	
	256	13	258	319	394	394	
	257	29	259	320;321	395;396;39	396	
	258	15	260	322;323	400;401	400	
	259	136	261	324	402;403	403	118
	260	15	262	325	404;405	404	
	261	15	263	326;327	406;407	407	
	262	38	264	328	408	408	45
	263	47	265	329	409	409	
+	264	4	266	330;331	410;411	410	
	265	29	267	332;333	412;413;41	414	
	266	57	268	334	415;416	416	
	267	57	269	335	417	417	72
	268	65	270	336	418	418	
	269	49	271	337;338	419;420;42	420	
	270	77	272	339	422	422	
	271	80	273	340	423;424	424	
	272	15	274	341;342	425;426;42	427	19
	273	49	275	343	428	428	
	274	122	276	344	429	429	109
	275	143	277	345	430	430	
+	276	4	278	346;347	431;432	432	
	277	55	279	348	433	433	
	278	81	280	349;350	434;435;43	434	
+	279	5	281	351	437	437	
	280	45	282	352	438	438	
	281	31	283	353	439	439	
	282	73	284	354	440	440	
	283	57	285	355;356	441;442	442	
	284	93	286	357	443	443	
	285	17	287	358	444	444	
	286	43	288	359	445	445	
	287	82	289	360	446	446	
	288	30	290	361	447	447	
	289	46	291	362;363	448;449	449	
	290	49	292	364;365	450;451	451	
+	291	4	293	366	452	452	
	292	45	294	367	453	453	
	293	43	295	368;369	454;455;45	454	52
	294	18	296	370	457	457	
	295	31	297	371;372	458;459	458	
	296	34	298	373	460	460	
	297	15	299	374;375;37	461;462;46	461	
	298	91	300	377	470	470	

	299	80	301	378	471	471			
	300	45	302	379	472	472			
	301	43	303	380;381	473;474;47	475			
	302	40	304	382	476	476			
	303	61	305	383	477	477			
	304	29	306	384;385	478;479	478			
	305	81	307;308	386;387;38	480;481;48	480	87		
	306	15	309	389;390	483;484;48	487			
	307	55	310	391	488	488			
	308	102	311	392	489	489			
	309	22	312	393;394	490;491	491			
	310	43	313	395	492	492			
	311	43	314	396;397	493;494	493			
	312	113	315	398	495	495			
	313	37	316	399	496	496			
	314	130	317	400	497	497			
	315	30	318	401;402	498;499;50	499			
	316	55	319	403	502	502			
	317	106	320	404	503	503			
	318	59	321	405	504;505	505			
	319	38	322	406	506	506			
	320	98	323	407	507	507			
	321	138	324	408	508;509	509			
+	322	4;6;1	325	409	510	510			
+	323	4;1	326	410;411	511;512	511			
	324	13	327	412	513	513			
	325	13	328	413	514;515	514			
	326	31	329	414;415	516;517	517			
	327	28	330	416	518	518			
	328	21	331	417	519	519			
	329	21	332	418	520;521;52	521			
+	330	4	333	419	523	523			
	331	36	334	420;421	524;525	525			
	332	79	335	422	526	526			
	333	140	336	423	527	527	120		
	334	39	337	424	528	528	47;48		
	335	72	338	425	529	529			
	336	28	339	426	530	530			
	337	36	340	427;428	531;532;53	533			
	338	29	341	429	534	534			
	339	29	342	430	535;536	536			
	340	130	343	431	537	537			
	341	72	344	432	538	538			
	342	56	345	433	539	539			
+	343	0	346	434	540	540			
	344	65	347	435	541	541	80		
	345	36	348	436;437	542;543	543			
	346	36	349	438;439	544;545	545			
	347	13	350	440	546	546	16		
	348	130	351	441	547	547			

		349	45	352	442	548	548	
		350	69	353	443	549	549	
		351	73	354	444	550	550	
		352	45	355	445	551	551	
		353	68	356	446	552	552	
		354	122	357	447	553	553	
		355	65	358	448	554	554	81
		356	77	359	449	555	555	
		357	15	360	450;451	556;557;55	558	
		358	31	361	452	559	559	
	+	359	4	362	453	560	560	
		360	45	363	454	561	561	59
		361	15	364	455;456;45	562;563;56	567	
		362	30	365	462	574	574	
		363	43	366	463	575	575	55
	+	364	3	367	464	576	576	2
		365	51	368	465	577	577	70
		366	21	369	466	578;579	578	
	+	367	3	370	467	580	580	
	+	368	3	371	468	581	581	
		369	44	372	469	582	582	
		370	86	373	470;471	583;584	583	
		371	50	374	472;473	585;586	586	
		372	128	375	474	587	587	
		373	13	376	475	588	588	
		374	19	377	476	589	589	
		375	21	378	477	590	590	
		376	76	379	478	591	591	84
		377	136	380	479	592	592	
	+	378	7	381	480	593	593	
		379	30	382	481;482	594;595	594	
		380	69	383	483	596	596	
		381	60	384	484	597	597	
		382	84	385	485	598	598	
		383	30	386	486	599	599	
		384	121	387	487	600	600	
		385	15	388	488;489;49	601;602;60	604	
	+	386	3	389	491;492	605;606	605	
		387	27	390	493	607	607	
		388	21	391	494	608	608	
		389	45	392	495	609	609	
		390	78	393	496	610	610	
		391	30	394	497	611	611	
		392	30	395	498;499	612;613	613	
		393	108	396	500	614	614	
+		394	11	397	501	615	615	
		395	30	398	502	616	616	
		396	127	399	503	617	617	114
		397	58	400	504	618	618	
		398	15	401	505;506;50	619;620;62	619	

	399	97	402	508	623	623	98	
	400	49	403	509	624	624		
	401	17	404	510	625	625		
	402	72	405	511	626	626		
	403	30	406	512;513	627;628;62	630	33	
	404	29	407	514	632;633	632		
	405	29	408	515;516	634;635	634		
	406	62	409	517	636	636		
	407	118	410	518	637	637		
	408	61	411	519	638	638	78	
	409	81	412	520	639	639	87	
	410	43	413	521	640;641	641	56;57;58	
	411	84	414	522	642;643;64	643	89;90;91;9	
	412	124	415	523	645	645	112	
+	413	7	416	524	646	646	13	
+	414	3	417	525	647	647	3	
	415	59	418	526	648	648	74	
+	416	6	419	527	649	649	9	
	417	81	420	528	650;651	651	88	
	418	31	421	529;530	652;653	652		
	419	31	422	531	654	654		
	420	62	423	532	655	655	79	
	421	21	424	533	656	656		
	422	126	425	534	657	657		
	423	35	426	535	658	658		
	424	46	427	536	659	659		
	425	137	428	537	660	660		
	426	132	429	538	661	661		
	427	56	430	539	662	662		
	428	21	431	540	663	663		
	429	62	432	541	664	664		
+	430	3	433	542	665	665		
+	431	7	434	543	666	666		
+	432	3;5	435	544	667	667		
	433	122	436	545	668	668		
	434	36	437	546	669	669		
+	435	7;5	438	547	670	670		
	436	102	439	548;549	671;672	671		
	437	81	440	550;551	673;674	673		
	438	58	441	552	675	675		
	439	101	442	553	676	676		
	440	65	443	554	677	677		
	441	30	444	555;556	678;679	679		
	442	30	445	557	680	680		
	443	27	446	558;559	681;682;68	681	28	
+	444	3	447	560	684	684	4;5	
	445	59	448	561	685	685		
	446	28	449	562	686	686		
	447	76	450	563	687	687		
	448	36	451	564;565	688;689	688		

	449	36	452	566;567	690;691;69	690		
	450	49	453	568	693	693	67;68	
	451	44	454	569	694	694		
	452	57	455	570	695	695		
	453	45	456	571	696	696		60
+	454	4	457	572	697	697		
+	455	4	458	573;574	698;699;70	699	7;8	
	456	30	459	575;576	701;702	701		34
	457	102	460	577	703;704	704		
	458	122	461	578	705	705	110;111	
	459	94	462	579	706	706		
+	460	6	463	580	707;708	708		
	461	29	464	581	709	709		
	462	57	465	582	710	710		
	463	21	466	583	711	711		
	464	101	467	584	712	712		
	465	15	468	585	713	713		
	466	39	469	586	714	714		49
	467	32	470	587	715	715		
	468	37	471	588	716	716		
	469	20	472	589	717	717		
	470	20	473	590;591	718;719	719		
	471	73	474	592	720	720		
+	472	6	475	593	721	721		
	473	49	476	594;595	722;723;72	724		
	474	75	477	596	727	727		
+	475	3	478	597	728	728		
	476	22	479	598;599	729;730;73	730		
	477	135	480	600	732	732		
	478	49	481	601	733	733		
	479	57	482	602;603	734;735;73	736		
	480	21	483	604;605	737;738	738		
	481	130	484	606	739	739		
	482	126	485	607	740	740		113
	483	21	486	608	741	741		
+	484	4	487	609	742	742		
	485	50	488	610	743	743		
+	486	9	489	611	744	744		
+	487	9	490	612	745	745		
+	488	4	491	613;614	746;747	747		
	489	56	492	615	748	748		
	490	21	493	616;617	749;750	750		
+	491	6	494	618	751	751		10
	492	59	495	619	752	752		75
	493	30	496	620;621	753;754;75	753		
	494	119	497	622	756	756		
	495	38	498	623	757	757		
	496	81	499	624;625	758;759	758		
	497	81	500	626	760	760		
	498	132	501	627;628;62	761;762;76	761		

		499	65	502	630	764	764	
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+		501	10	504	633	767	767	15
		502	57	505	634;635	768;769;77	769	
		503	102	506	636	771	771	
		504	29	507	637	772	772	32
		505	29	508	638	773;774	773	
		506	29	509	639;640	775;776	775	
		507	93	510	641	777	777	
		508	57	511	642	778	778	
		509	106	512	643	779	779	103
		510	31	513	644;645	780;781;78	781	
		511	65	514	646	783	783	82
		512	84	515	647	784	784	
		513	82	516	648	785	785	
		514	94	517	649	786	786	
		515	29	518	650	787	787	
		516	21	519	651;652	788;789;79	788	
		517	43	520	653	791	791	
		518	30	521	654	792	792	35;36;37
		519	38	522	655	793	793	
	+	520	3	523	656	794	794	
	+	521	4	524	657;658	795;796	795	
		522	45	525	659	797;798	797	61
		523	116	526	660	799	799	
		524	142	527;528	661;662	800;801	800	121
	+	525	6	529	663	802	802	
		526	67	530	664	803	803	83
		527	101	531	665	804	804	
		528	53	532	666	805	805	
		529	41	533	667	806;807	806	
		530	142	534	668	808	808	
		531	142	535	669	809	809	
		532	120	536	670;671	810;811	811	
		533	61	537	672	812	812	
	+	534	7	538	673	813;814	813	
	+	535	3	539	674	815	815	
	+	536	3	540	675	816	816	
	+	537	7	541	676;677	817;818	817	
		538	30	542	678	819	819	
	+	539	3	543	679	820	820	
		540	36	544	680	821	821	
	+	541	4	545	681	822	822	
		542	55	546	682	823	823	
	+	543	3	547	683	824	824	
	+	544	3	548	684	825	825	
		545	132	549	685	826	826	
		546	139	550	686	827;828	828	119
		547	15	551	687;688	829;830;83	830	20
		548	15	552	689	832;833;83	832	20

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+	550	3	554	691	836	836		
	551	79	555	692	837	837		
	552	29	556	693;694	838;839;84	840		
	553	29	557	695;696	841;842	841		
	554	110	558	697	843	843		
	555	21	559	698	844	844		
	556	21	560	699;700	845;846;84	845		25
	557	41	561	701	848	848	50;51	
	558	125	562	702	849	849		
	559	46	563	703	850;851	850		
+	560	4	564	704;705	852;853	853		
+	561	4	565	706;707	854;855;85	855		
	562	106	566	708	857	857		
	563	46	567	709	858	858		
	564	61	568	710	859	859		
	565	31	569	711	860	860		
	566	49	570	712	861	861		
+	567	6	571	713	862	862		11
	568	118	572	714	863	863		
	569	29	573	715;716	864;865	865		32
	570	34	574	717;718	866;867;86	868	38;39	
	571	72	575	719;720	869;870	870		
	572	29	576	721;722	871;872;87	871		
	573	134	577	723	875	875		
	574	34	578	724	876;877	876	40;41	
	575	38	579	725	878	878		
+	576	7	580	726	879	879		
+	577	7	581	727	880	880		
	578	31	582	728;729	881;882	881		
	579	130	583	730	883	883		
	580	43	584	731	884	884		
	581	29	585	732	885	885		
	582	29	586	733;734	886;887;88	887		
	583	50	587	735	889	889		
	584	46	588	736	890	890		
	585	112	589	737	891	891		
	586	55	590	738	892	892		
	587	102	591	739;740	893;894;89	894		
	588	55	592	741	896	896		
	589	120	593	742	897	897		
	590	80	594	743	898	898		
	591	29	595	744	899;900	900		
	592	63	596	745	901	901		
+	593	3	597	746	902	902		
	594	15	598;599	747;748	903;904;90	903		21
+	595	4	600	749	907;908;90	908		
	596	81	601	750	910	910		
	597	81	602	751;752	911;912	912		
	598	56	603	753	913	913		

	599	88	604	754	914	914	96
	600	104	605	755	915	915	
	601	64	606	756	916	916	
	602	45	607	757	917	917	62
+	603	6	608	758	918	918	
	604	19	609	759	919	919	
+	605	3	610	760	920	920	
	606	50	611	761	921	921	
	607	23	612	762	922	922	
	608	27	613	763	923	923	
+	609	3	614	764	924	924	
+	610	3	615	765;766	925;926	925	
	611	45	616	767	927	927	
	612	126	617	768	928	928	
	613	68	618	769	929	929	
	614	34	619	770	930	930	42
	615	34	620;621	771;772	931;932	931	42
	616	59	622	773	933	933	
	617	34	623	774	934	934	
	618	34	624	775	935	935	
	619	76	625	776	936;937	937	
	620	69	626	777	938	938	
	621	130	627	778	939	939	116
	622	102	628	779	940	940	
	623	102	629	780	941	941	
	624	15	630	781;782	942;943	942	
	625	65	631	783	944	944	
	626	55	632	784	945	945	
	627	36	633	785	946	946	
	628	15	634	786	947;948;94	947	
	629	35	635	787;788	950;951	951	43;44
	630	50	636	789	952	952	
	631	117	637	790	953	953	
	632	106	638	791	954	954	
	633	39	639	792	955	955	
	634	15	640	793	956	956	
	635	15	641;642	794;795;79	957;958;95	958	22
+	636	0	643	797	963;964;96	964	
+	637	7	644	798	966	966	
+	638	7	645	799	967	967	
	639	118	646	800	968	968	
	640	45	647	801;802	969;970	970	
	641	22	648	803	971;972	972	
	642	26	649	804	973	973	
	643	112	650	805	974	974	
	644	34	651	806	975	975	
	645	99	652	807	976	976	
	646	29	653	808;809;81	977;978;97	979	
	647	121	654	821	1004	1004	
	648	106	655	822	1005	1005	104

	649	87	656	823	1006	1006		
	650	45	657	824	1007	1007		
	651	83	658	825	1008	1008		
	652	115	659	826	1009	1009		
	653	45	660	827;828	1010;1011	1011		
	654	122	661	829	1012	1012		
	655	135	662	830	1013	1013		117
	656	109	663	831	1014	1014		
	657	29	664	832	1015	1015		
+	658	4	665	833	1016;1017	1016		
	659	45	666	834	1018;1019	1019		
	660	30	667	835;836	1020;1021	1021		
	661	27	668	837;838	1022;1023	1022	29;30	
	662	22	669	839;840	1024;1025	1027		
	663	22	670	841;842	1029;1030	1029		
+	664	7	671	843	1033	1033		14
	665	59	672	844	1034;1035	1034		76
	666	59	673	845	1036	1036		77
	667	83	674	846	1037	1037		
+	668	6	675	847	1038	1038		
	669	15	676	848;849;85	1039;1040	1039		
	670	114	677	851	1042	1042		
	671	22	678	852	1043;1044	1043		
	672	21	679	853	1045;1046	1046		
	673	22	680	854	1048	1048		
	674	31	681	855	1049	1049		
	675	31	682	856;857	1050;1051	1051		
	676	31	683	858	1052	1052		
	677	77	684	859	1053	1053		
	678	38	685	860;861	1054;1055	1054		46
	679	74	686	862	1057	1057		
	680	102	687	863	1058;1059	1059		100
+	681	4;1	688	864	1061	1061		0
	682	42	689	865	1062	1062		
	683	29	690	866;867	1063;1064	1064		
	684	29	691	868;869	1065;1066	1066		
	685	15	692	870	1067	1067		
	686	17	693	871	1068	1068		
	687	33	694	872	1069	1069		
	688	52	695	873	1070	1070		
	689	106	696	874	1071	1071		
	690	106	697	875;876	1072;1073	1072		
	691	119	698	877;878	1074;1075	1077		107
	692	16	699	879;880;88	1079;1080	1084	23;24	
	693	102	700	883	1085	1085		101
	694	34	701	884;885	1086;1087	1086		
	695	109	702	886	1088	1088		105
	696	43	703	887	1089	1089		
	697	43	704	888;889	1090;1091	1091		
	698	21	705	890	1092	1092		26

	699	85	706	891	1093	1093		
	700	43	707	892	1094	1094		
	701	43	708	893;894	1095;1096	1095		
	702	15	709;710	895;896;8	1097;1098	1097		17
	703	31	711	898	1101	1101		
+	704	3;7;5	712	899	1102	1102		
+	705	3	713	900	1103	1103		
+	706	5	714	901	1104	1104		
	707	89	715	902	1105	1105		
+	708	4	716	903	1106	1106		
	709	43;20	717	904	1107	1107		
	710	43;20	718	905	1108	1108		
	711	118	719	906	1109	1109		
+	712	7	720	907;908	1110;1111	1110		
+	713	2	721	909	1112	1112		
	714	106	722	910	1113	1113		
	715	101	723	911	1114	1114		
	716	22	724	912	1115	1115		
	717	22	725	913;914	1116;1117	1117		
	718	38	726	915	1118	1118		
	719	38	727	916;917	1119;1120	1119		
	720	39	728	918	1121	1121		
	721	21	729	919	1122	1122		
	722	102	730	920	1123	1123		
	723	59	731	921	1124	1124		
	724	75	732	922	1125	1125		
	725	84	733	923	1126	1126		93
	726	55	734	924	1127	1127		
	727	106	735	925	1128	1128		
	728	84	736	926	1129	1129		94
	729	84	737	927	1130	1130		94
	730	63	738	928	1131	1131		

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Sequence	N-term cle	C-term cle	Amino acic	First amino	Second am	Second las	Last amino	Amino acic
AAAPGIQL	YRAGAIRK	FQSPLEDR	K	A	A	D	R	F
AAAPPPVR	SLRAAASK	AAAPPPVR	K	A	A	V	R	L
AAFLGSEV	TKPVLKKK	AFLGSEVR	K	A	A	V	R	L
AAFVVDK	IAQQDAQF	RAAFVVDK	R	A	A	D	K	A
AAIAEEQIL	VASEMNTF	AEEQILNK	K	A	A	N	K	Q
AALANVYE	AQDFEGVF	LANVYEYR	R	A	A	Y	R	G
AANQGALF	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AANQGALF	YPNEQAAF	LSLIVKARH	R	A	A	A	R	H
AAPETGIM	IVNKPLFKA	NGLITVSR	K	A	A	S	R	D
AASLSPKD	KIMSSIEKA	LSPKDPER	K	A	A	E	R	A
AAVEEGILF	DDALNATF	GGGTALVK	R	A	A	V	K	A
ADFLVPGE	IPNLKIIKA	STPYISLKV	K	A	D	L	K	V
ADLVEMR	QFLQSQSK	KADLVEMF	K	A	D	M	R	T
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AEGEAESA	ERQASVIR	ESAEFISKA	R	A	E	S	K	A
AFAPTTVN	IAEQIFWR	PTTVNSGR	R	A	F	G	R	G
AFSMNPAF	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AFSNGSWI	EAVQAADF	NGIDPIDR	R	A	F	D	R	G
AFVSTGDG	RIALKNYK	GDGTVNVI	K	A	F	V	K	E
AGESGSEG	KYSNDELK	SVPIEIPKK	K	A	G	P	K	K
AGISYAAYL	_____	NVAAQAIR	K	A	G	I	R	S
AGREELER	YNEFLYSK	AGREELER	K	A	G	E	R	V
AHGGFSVF	ELINNIAKA	VFTGVGER	K	A	H	E	R	T
AHQTELTH	ARAYRIIRA	LTHHLLPR	R	A	H	P	R	N
AIADLAVG	LAYIGSDK	DLAVGEAK	K	A	I	A	K	Y
AIFEILNK	FQDVTREK	AIFEILNKS	K	A	I	N	K	S
AIGVLPQL	TVLFGVAR	LPQLIIDRA	R	A	I	D	R	A
AIGYQWYV	ISPAMTIK	IGYQWYW	K	A	I	W	K	Y
AIIYDVR	FLVPWLQK	KAIIYDVR	K	A	I	V	R	T
AISLGLR	ETLSYFAR	RAISLGLR	R	A	I	L	R	L
AITMEIR	ACRDVVSR	RAITMEIR	R	A	I	I	R	E
AKANSIIN	PEKQTDPK	PGNNILTK	K	A	K	T	K	T
AKQPVKD	NGIKFSLK	LSTNVEAK	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYK	K	A	K	Y	K	Q
ALEEANAD	ASYLDKVR	ANADLEVK	R	A	L	V	K	I
ALEESNYE	ASYLDKVR	SNYELEGK	R	A	L	G	K	I
ALELKPDY	KVVEMSTK	ELKPDYSK	K	A	L	S	K	V
ALTTLVYS	FYSGGPLK	SDNLNLQR	K	A	L	Q	R	S
ALVHHYEE	FKNTEEGK	HYEECAER	K	A	L	E	R	V
AMFGFKK	FAFKDKIK	KAMFGFK	K	A	M	K	K	E
ANFTAEEK	GEPDFSNK	DKYALALK	K	A	N	L	K	D
ANLLSSSN	NQSFIQQK	SSNFEATK	K	A	N	T	K	K
ANLLSSSN	NQSFIQQK	SNFEATKK	K	A	N	K	K	S
ANLQFQEF	FLYILRSKA	ANLQFQEF	K	A	N	E	R	E
ANSIINAIP	KQTDPKAK	PGNNILTK	K	A	N	T	K	T
APDFVESN	NKSVIYNK	IFNLNTVK	K	A	P	V	K	S
APGFGDNF	QVKVCAVK	APGFGDNF	K	A	P	N	R	K
APGFGDNF	QVKVCAVK	PGFGDNRF	K	A	P	R	K	N
APGILPR	GRSRAQVK	KAPGILPRF	K	A	P	P	R	R

APGQSTVC	SKVNKTKK	GLLAQLAK	K	A	P	A	K	Q
APILINNLLI	AALNDPAK	NLLDSGIRL	K	A	P	I	R	L
APSTYGGG	VLAGGSCR	GGLSVSSRI	R	A	P	S	R	F
AQEDVPYL	LPRNEWIK	LEAEAAAK	K	A	Q	A	K	E
AQIYDDQL	TLFQATYK	DDQLQNYI	K	A	Q	Y	R	D
AQVNSLIQ	VVPPKYTK	LIQQNTAR	K	A	Q	A	R	E
AQYEEIAN	DSIIAEVKA	QYEEIANR	K	A	Q	N	R	S
AQYEEIAQ	DSIIAEVKA	QYEEIAQR	K	A	Q	Q	R	S
ASAFPVK	NLLSYFTRA	RASAFPVK	R	A	S	V	K	G
ASEFYYGF	AKFLVFER	YYGFAGPK	R	A	S	P	K	E
ASLVYHDG	MLTTDNLK	DGSFNDSR	K	A	S	S	R	L
ATTPNVNI	FPLVGLPK	NDPIYFLR	K	A	T	L	R	G
AVADVWS	SPYDLNGK	SDLEAEFK	K	A	V	F	K	Q
AVDALVPI	EPVQTGLK	DALVPIGR	K	A	V	G	R	G
AVFADQFE	KKSGNGIR	FENEANWI	R	A	V	W	K	V
AVLDSWVI	VELAHEAK	AVLDSWVI	K	A	V	V	R	Y
AVLEGKYD	KDTVASFK	GIEDVVAK	K	A	V	A	K	A
AVVAQFN	SIVNEVLK	ASQLITQR	K	A	V	Q	R	E
AWISLAVE	LRDDTLPK	SPNYFVAK	K	A	W	A	K	L
AYESLTDE	ETYVQITK	SLTDELVR	K	A	Y	V	R	Q
AYLDELKD	VENEDQYK	LDELKDVR	K	A	Y	V	R	Q
AYTSHLSS	_____	YTSHLSSKT	M	A	Y	S	K	T
CSNTTLPS	VHVPMEV	EPLDTSKR	R	C	S	K	R	T
DAEAWFN	QLAEQNRK	AEAWFNEI	K	D	A	E	K	S
DAPTFQES	LSINGIGKD	ESALIADKL	K	D	A	D	K	L
DFQSYIVS	ALSSNISRD	SLPGSTDK	R	D	F	D	K	S
DFYHATPA	NINDLLNK	TTTANGIK	K	D	F	I	K	F
DGGVFATF	KSTIPVKR	ATFVVPPK	R	D	G	P	K	Y
DGPLSTNV	LKAKQPVK	LSTNVEAK	K	D	G	A	K	L
DGTEVLQS	LQRSSFPK	VLQSIEDR	K	D	G	D	R	K
DGTHYLSN	RRFGMKH	THYLSNVR	K	D	G	V	R	T
DGVAHLLN	GGSRYATK	GVAHLLNR	K	D	G	N	R	F
DGVYENIP	MKRSVHFK	VYENIPFK	K	D	G	F	K	V
DIAQVVTE	TAVSSGNR	QVVTENNI	R	D	I	N	K	N
DIENQYET	QLIAKNRK	QEVQSSAK	K	D	I	A	K	E
DIGGSSST	AEGKHTTR	FTNEIINKL	R	D	I	N	K	L
DKFVEGLSI	RWKSLSTK	VEGLSNNK	K	D	K	N	K	Y
DKFVEGLSI	RWKSLSTK	GLSNNKYK	K	D	K	Y	K	I
DKGEILQR	ITGTIHDR	DKGEILQR	R	D	K	Q	R	C
DKGNQFFF	DKYALALK	DKGNQFFF	K	D	K	F	R	N
DLDDMTF	SSFDVTER	DDMTFGEI	R	D	L	E	R	I
DLFEYTLA	DTDANVPF	YAAEISARF	R	D	L	A	R	R
DLQEATGC	KQIRNTSK	EATGQLTR	K	D	L	T	R	V
DLQMVNIT	VASLTGTK	QMVNITCF	K	D	L	C	R	V
DLQSTLDN	SLVSKELK	LDNIQSAR	K	D	L	A	R	P
DLQSTLDN	SLVSKELK	LTVDDLTK	K	D	L	T	K	I
DLSPAINYT	VADLKKGK	SPAINYTKL	K	D	L	T	K	L
DLVPDLTN	LPHMFIVK	TNFYQQYK	K	D	L	Y	K	S
DMGLLDVI	LPSFYCPK	DMGLLDVI	K	D	M	V	R	T
DQDSAVVS	GLFTLFVR	AVVSSNIK	R	D	Q	I	K	K

DQDSAVVS	GLFTLFVRE	VVSSNIKKI'	R	D	Q	K	K	I
DQGELIGIL	SGEKKSPKI	LNNLGYSK	K	D	Q	S	K	D
DQQAGESI	VSSEIQQKI	TDTGVIHK'	K	D	Q	H	K	S
DQSQNEN	CGPCYGAK	ENLAQEEK	K	D	Q	E	K	V
DRFGNLN\	KWDVPGY	RFGNLNVN	K	D	R	V	M	-
DRIDSVSQ	NKHVEAVK	QNVAETTK	K	D	R	T	K	V
DRNSVIDA	LNPALSLKE	DAIVETHKI	K	D	R	H	K	N
DRYDDALN	EVEVGEKK	DDALNATF	K	D	R	T	R	A
DSAYTLGQ	YIPQEISRD	QLGLVQFR	R	D	S	F	R	D
DSGLWGF'	NHFSLSYKI	WGFSTATF	K	D	S	T	R	N
DTDYDDFE	LAAGPVKK	DYDDFEMI	K	D	T	M	R	G
DTSNMW\	MATEKHAI	DTSNMW\	K	D	T	V	K	I
DVALEFKD	AISGSSARE	QGITLMGF	R	D	V	G	R	R
DVDGAYM	NEFVTIKKE	VDGAYMT	K	D	V	T	K	V
DVETNELV	KVIGAEARI	VETNELVR	R	D	V	V	R	I
DVSKTEKD	LTDRYILRD	KTEKDEIRA	R	D	V	I	R	A
DVTTFLNW	ATTSQMAI	AEPEHDER	K	D	V	E	R	K
DVTTFLNW	ATTSQMAI	EPEHDERK	K	D	V	R	K	R
DWEPQESI	GTAIYMAR	QESEELKKE	R	D	W	K	K	D
DYAVFEPG	VAGANFGF	AVFEPGSR	R	D	Y	S	R	H
DYEFMNIR	VPDSEWPF	DYEFMNIR	R	D	Y	I	R	S
DYNEDLVD	LQKTNIIRD	NEDLVDGF	R	D	Y	G	R	S
DYQELMN'	EDLARLLRE	YQELMNTI	R	D	Y	T	K	L
DYQELMN'	EDLARLLRE	YQELMNVI	R	D	Y	V	K	L
DYVDQDLF	VEFAAELRI	DYVDQDLF	R	D	Y	L	R	K
DYVDQDLF	VEFAAELRI	YVDQDLRK	R	D	Y	R	K	W
EAATVPAE	PAPQNQIK	LVLGWFYR	K	E	A	Y	R	-
EAISNQFIC	YSRYPALRE	NQFIQFLKI	R	E	A	L	K	D
EALNAVHA	RFAFLDAKI	NAVHATVI	K	E	A	V	K	V
EANPSTQV	YVSYSLYRE	DTFPNGSK	R	E	A	S	K	R
EAYPGDVF	LLRRPPGRI	DVFYLHSRI	R	E	A	S	R	L
EEGIGSFYS	GGFSRILKE	GFTPILFKQ	K	E	E	F	K	Q
EFDEAYDLI	EFTARYEKE	YDLFEVQR'	K	E	F	Q	R	V
EFINDPR	ADLSSNTKI	KEFINDPRI	K	E	F	P	R	N
EGFSHLYK	CLTKIVKKE	EGFSHLYK(	K	E	G	Y	K	G
EGICGSCAI	LTFRRSCRE	CAMNIGGI	R	E	G	G	R	N
EGLALSSNI	ENSAVAAK	ALSSNISRD	K	E	G	S	R	D
EGNDLYR	TGVGERTR	REGNDLYR	R	E	G	Y	R	E
EGTVPTDL	TLIGPGAKE	DQETGLAR	K	E	G	A	R	L
EGVFYGAC	QVSALIQRI	GHANMPII	R	E	G	I	K	I
EIADNLTEF	NMPNLEQ	IADNLTER(	K	E	I	E	R	Q
EIETYHNLL	SIKMRLEKE	FESSGAGK	K	E	I	G	K	I
EISDAQEIR	YEYSSFLKE	ISDAQEIRL	K	E	I	I	R	L
EITTSEEIAC	EFLSANKKE	NGDSHVGI	K	E	I	G	K	L
EIWSQYAP	DGRSFWPI	SQYAPQLK	K	E	I	L	K	D
EKDELDNIE	LEAEAAAK	LDNIEVSK_	K	E	K	S	K	-
EKFYAELAE	HMDKINKF	FYAELAERI	R	E	K	E	R	K
EKGELSKEI	NELLTEIRE	KELLASLKS	R	E	K	L	K	S
ELIIGDR	VPIGRGQR	RELIIGDRQ	R	E	L	D	R	Q
ELIVAITSDI	ATETGAPK	IVAITSDKG	K	E	L	D	K	G

ELKDLQSTL	ETESLVSKE	LTVDDLTKI	K	E	L	T	K	I
ELMDENFC	ERWFPSSR	LMDENFCF	R	E	L	C	R	R
ELQEIDASL	AEVILNEKE	SLEPLGGRI	K	E	L	G	R	M
ELSDLENK	EEIKNLEKE	ELSDLENKI	K	E	L	N	K	L
ELYGDNYL'	KKHFDQQH	LVNLVNQK	K	E	L	Q	K	G
EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
ENAPSIVFI	RDLFKTARI	DEIDAIGKA	R	E	N	G	K	A
ENIINMTIV	AYRYGTMH	LPDGTIVKT	K	E	N	V	K	T
ENLEVSGE	FADKVYTK	NVVEADLK	K	E	N	L	K	R
ENLEVSGE	FADKVYTK	VVEADLKR	K	E	N	K	R	F
EQDPDNVI	KKFRKIRKE	DNVFLANK	K	E	Q	N	K	Q
EQIVPILNA	SAALLENRI	VPILNAPRT	R	E	Q	P	R	T
EQLSFVMN	AYSFCTPKE	VMNLYYEK	K	E	Q	E	K	S
ESELLGGTF	RSALKLVRE	ELLGGTFKS	R	E	S	F	K	S
ESMSQQN	LTMARQIK	NLNETTQK	K	E	S	Q	K	K
ESNFLIDFL	PPAPAPKK	GVSAAVAK	K	E	S	A	K	T
ETAENNDS	VKEPESEKE	SEADTSVK	K	E	T	V	K	K
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETGVINLE	NDLYREMK	INLEGESKV	K	E	T	S	K	V
EVAAFAQF	KLFLAQYRE	SDLDASTK	R	E	V	T	K	Q
EVPAEPET	VPAVVNEK	TQPPVQVK	K	E	V	V	K	K
EVYVLPGE	WKFVPQQ	ETALAFYK/	R	E	V	Y	K	A
EYPDLTLET	NVAKELSK	LIDNSVLKV	K	E	Y	L	K	V
FACNDQYC	EAPKRATK	ACNDQYQ	K	F	A	Q	K	I
FALAGAIG	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FDDLIAEEN	GYKKLGLK	PIMQTALR	K	F	D	L	R	R
FDDVCGCL	DVAKTNVK	VCGCDEAF	K	F	D	A	R	A
FDGILGLG'	GLTFAFGK	YDTISVDK'	K	F	D	D	K	V
FEIDTDAN'	EQSPSFGK	DTDANVPF	K	F	E	P	R	D
FFIDNLGYL	GGYEVFKK	LGYDTASR'	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	FFLGEENR'	K	F	F	N	R	V
FFLGEENR'	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FGDIDTAT/	AMSKLKEK	ELSTQPAK	K	F	G	A	K	E
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FIGDSVAA	LGEENRVR	AIGIPVNK/	R	F	I	N	K	A
FILQSGDEF	KNDLEQYR	SGDEFFLK	R	F	I	L	K	G
FKESLMAT	PDKVAAQK	ESLMATEK	K	F	K	E	K	H
FLEQQNQ'	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLEWLNEC	IEAVSLPKF	FLEWLNEC	K	F	L	E	Q	-
FLSQPFAV/	ERARKIQRI	VFTGIPGKL	R	F	L	G	K	L
FLVDESPK	EQVFSSPKI	FLVDESPKI	K	F	L	P	K	I
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNYVAVGL	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FPTPILK	_____	RFPTPILKV	R	F	P	L	K	V
FQDTLYK	VFTEGWPK	KFQDTLYK	K	F	Q	Y	K	K
FQGPALTE	PSTTIVIKF	EEIYSLFRR'	K	F	Q	F	R	R
FSSCGGGG	RSGGGGGI	AGGGFGSF	R	F	S	S	R	S
FSSSSGYG	GGRGGGG	GYGGGSSF	R	F	S	S	R	V
FTDGGLFT	ISSAKLDKF	GLFTLFVRL	K	F	T	V	R	D
FTQAGSEV	LFIDNIFRF	EVSALLGRI	R	F	T	G	R	I

FTVTLIPGD	LPKKYGGR	IPGDGVGK	R	F	T	G	K	E
FVASQAQC	MDRFPEYK	ASQAQQFI	K	F	V	F	K	W
FVDESLLST	VVEADLKR	LSTLPAGK	R	F	V	G	K	S
FVVTAADV	VPVDTHIR	AIPSLGIKV	R	F	V	I	K	V
FYAELAER	DKINKREK	FYAELAERI	K	F	Y	E	R	K
GAFDLCLK	TQPFFTAR	GAFDLCLK	R	G	A	L	K	S
GAILSGPP	KMGAKIPR	SGPPGTGK	R	G	A	G	K	T
GALAYIGS	EDFKYNHK	LAYIGSDK	K	G	A	D	K	A
GCGANILR	EGVGSLFK	GCGANILR	K	G	C	L	R	G
GDEDPEKL	VIEIMDQR	HTLTTSFR	R	G	D	F	R	I
GDGGGGP	SGLMLYGK	PTEEMLQK	K	G	D	Q	K	M
GDVDLVIN	GKAISSSR	DLVINYLK	R	G	D	L	K	S
GENVKEPE	LYYNKKSK	SEADTSVK	K	G	E	V	K	K
GFISPYFIT	TEGMRFDF	PYFITDPKS	R	G	F	P	K	S
GFLPSVVG	DGVAGLYR	VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV	GGGGGGF	AVVSGGSR	R	G	F	S	R	R
GGGGGGY	TISGGGSR	GGGGGGG	R	G	G	G	R	G
GGLIVELG	NVVKPEIK	LIVELGDKT	K	G	G	D	K	T
GGSGGSH	YGGGSGSR	GYGGGSGI	R	G	G	G	K	S
GGSGGSYC	GSYGRGSR	YGGGSGSR	R	G	G	S	R	G
GGSISGGG	YGSGGGSK	GYGSGGGI	K	G	G	G	K	H
GHLVSNFF	IQYENIRR	NFFTNHTR	R	G	H	T	R	I
GIESTMWF	EGIMGLYK	GIESTMWF	K	G	I	W	R	N
GIRPAINV	LEAELFYK	NVGLSVSR	K	G	I	S	R	V
GISELGIYP	DATTVLSR	AVDPLDSK	R	G	I	S	K	S
GITSPILME	EGFSHLYK	PILMEAPKI	K	G	I	P	K	R
GITSYAVSP	HMGGPKQ	AVSPYAQK	K	G	I	Q	K	P
GKDLSPAI	KIVADLKK	SPAINYTKL	K	G	K	T	K	L
GKWDVPG	KVEEMVKK	KWDVPGY	K	G	K	Y	K	D
GKWDVPG	KVEEMVKK	DVPGYKDF	K	G	K	D	R	F
GLCGSIHS	IVAITSDKG	SIHSQLAK	K	G	L	A	K	A
GLLIDNK	LEEQDSRR	RGLLIDNKL	R	G	L	N	K	L
GLNPGLAI	NCTRTCPK	LAIAEIKKSL	K	G	L	K	K	S
GLYYGSYR	VMFMHM	GLYYGSYR	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK	IVLFGSDRL	K	G	M	D	R	L
GNFFSSNP	PLTAKQSK	SFVVDTYK	K	G	N	Y	K	Q
GNNYDLEI	GWIPSSRR	HDDKPWY	R	G	N	Y	K	A
GPAPLNLE	DISGRIRKG	AYEFDGDK	K	G	P	D	K	V
GPIDAAGR	LGNPIDGK	GPIDAAGR	K	G	P	G	R	S
GQVGGDV	EEEMNALF	APGVDLSR	R	G	Q	S	R	I
GSGKHDLV	FVVIRGPR	MQHTLQN	R	G	S	N	R	A
GSIDITTTN	QERIEQIKG	TTTNSYEKE	K	G	S	E	K	E
GSLGGGFS	SLRISSSKG	FSGGSFSR	K	G	S	S	R	G
GSNVVRPY	FAKFVTPK	PVSDLSQK	K	G	S	Q	K	G
GSPWIEDL	RASAFPVK	PWIEDLRR	K	G	S	R	R	L
GSSSGGGY	AFGGSGGF	SSYGSGGR	R	G	S	G	R	Q
GSVPIYWA	VFSFLQTR	WAEINNLK	R	G	S	L	K	Y
GSVTSVQA	ERITTTKKG	DATTVLSR	K	G	S	S	R	G
GTPNDAYV	PQKPGGVF	YVPPPENK	R	G	T	N	K	L
GTVTSAEP	DAHNGLLK	SAEPLDPK	K	G	T	P	K	S

GVAGAGVI	GCGANILR	LQMILFGK	R	G	V	G	K	K
GVAGAGVI	GCGANILR	QMILFGKK	R	G	V	K	K	F
GVETLAEA	EGRASLLK	VAATLGPK	K	G	V	P	K	G
GVSDEANL	SILEERIKG	ANLNETGR	K	G	V	G	R	V
GYDAGEN	HGDGLPQI	YQAPPADF	R	G	Y	D	R	S
GYFIKPTVF	GGERLGSK	PTVFGDVK	K	G	Y	V	K	E
HALIVYDDI	EWFRDNG	IVYDDLSK	K	H	A	S	K	Q
HDLVMQH	RGPRGSGK	MQHTLQN	K	H	D	N	R	A
HEDLVNSIE	VVGTGNIK	LVNSIESKN	K	H	E	S	K	N
HGGGGGG	SSFSCLSRH	GGGGFGSF	R	H	G	S	R	S
HGVQELEII	AKEVTQLR	ELQSQLSK	R	H	G	S	K	K
HIYQSAAA	TGSTATGR	QSAAAGLK	R	H	I	L	K	K
HKDGTHYL	FLRRFGMK	THYLSNVR	K	H	K	V	R	T
HLNDQPN/	QLAKAVRR	DIVTIGDKI	R	H	L	D	K	I
HLNDQPN/	QLAKAVRR	VTIGDKIKN	R	H	L	I	K	M
HMDLPEIA	RLLIPVAKH	DLPEIAAKL	K	H	M	A	K	L
HQDTDAFL	YFDIITIKHC	FLHSHLAR	K	H	Q	A	R	Y
HSGQAEG	NLHGIFGR	YTDANIKKI	R	H	S	K	K	N
IAESLDANL	LIIKRIRKIAI	VDSSNEGR	K	I	A	G	R	S
IALPTRVEP	LQRTPGKK	LPTRVEPK	K	I	A	P	K	V
IANVVHFYI	GSAPNAKR	ANVVHFYK	R	I	A	Y	K	S
IASDFGVLN	NRLGCFEK	DAHNGLLK	K	I	A	L	K	G
IAVLTQR	KKMQFGEI	KIAVLTQRF	K	I	A	Q	R	P
IDDCFSRPT	YVRRIKMR	PTTGVPGR	R	I	D	G	R	F
IDHAGHQN	FLMVEGSR	NDPASQVF	R	I	D	V	R	E
IDQLNWK	QYFKKAYK	KIDQLNWK	K	I	D	W	K	M
IDSEEAEYII	VSTKFNSRI	SEEAEYIKL	R	I	D	I	K	L
IDSVSQLQI	HVEAVKDF	QNVAETTK	R	I	D	T	K	V
IEAVSLPK	GHANMPII	IEAVSLPKF	K	I	E	P	K	F
IEISELNR	GDSVRNSK	IEISELNRVI	K	I	E	N	R	V
IGASALGG	DKLNPFEK	NQPIEVIRV	K	I	G	I	R	V
IGDYILK	QSFTSIARI	RIGDYILKS	R	I	G	L	K	S
IGEFESSFLS	LDGIELSRI	SSFLSYLKS	R	I	G	L	K	S
IGESWVITE	IKRYTGGRI	SWVITEGR	R	I	G	G	R	R
IGESWVITE	IKRYTGGRI	WVITEGRR	R	I	G	R	R	L
IGGIGTVPV	LPLQDVYK	IGTVPVGR	K	I	G	G	R	V
IGLFGGAG	APYARGGK	FGGAGVGI	K	I	G	G	K	T
IIAATIENA	TIEDLRNKI	ILQIDNARL	K	I	I	A	R	L
IINVIGEPI	VGRETLGR	IGEPIDERG	R	I	I	E	R	G
IINVIGEPI	VGRETLGR	IDERGPIKS	R	I	I	I	K	S
IITHPNFNC	EQFINAAK	DNDIMLIK	K	I	I	I	K	L
IKDEQDSTI	MVLDALLK	QDSTLTFRI	K	I	K	F	R	R
IKEWYEK	SNYELEGKI	KIKEWYEK	K	I	K	E	K	H
IKGVSDEAI	VSSILEERIK	ANLNETGR	R	I	K	G	R	V
IKPEIDAK	LTVDDLTKI	IKPEIDAKV	K	I	K	A	K	V
IKPEIDAKV	LTVDDLTKI	AKVEEMVI	K	I	K	V	K	K
ILAEETAAY	ECFVKDTK	AEKEDALK	K	I	L	L	K	S
ILASSPNR	DTARDIAK	ILASSPNRV	K	I	L	N	R	V
ILENALGSK	LHLGYNTK	LENALGSKI	K	I	L	S	K	L
ILIAEGWIP	SNYDTNRK	ELATLQARI	K	I	L	A	R	L

ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILSNEQIYN	ESTCSGKKI	SNEQIYNR'	K	I	L	N	R	W
ILTQDEIEA	_____	QDEIEAHR	K	I	L	H	R	S
INASNAVIT	RLDYLSGKI	ASNAVITK(	K	I	N	T	K	C
INATQEQS	LIKMNGGF	SGQDSLEK	R	I	N	E	K	L
IPLLGPTLEI	FQDTLYKKI	TPPEDKPN	K	I	P	P	N	-
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IQQEQMG	EEEKEKIRI(	GGQTFTLK	R	I	Q	L	K	D
IQSVDAVS'	PFDVVKSR	DAVSSAVK	R	I	Q	V	K	K
IREESSHHI	DLSLEKGRI	SHHDLQIK	R	I	R	I	K	E
IRLENEIQT'	YQQLLDIKI	ENEIQTYR'	K	I	R	Y	R	S
ISIFYNDPV	MKAGTYPI	EKPIFNAKT	K	I	S	A	K	T
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ISYKPASFIS	LLPEDTKRI	KPASFISKF	R	I	S	S	K	F
ITAELILNK	AKSNNKDK	TAELILNKI_	K	I	T	N	K	I
ITGSTATQI	AKVISSLRIT	ATQLSSFKI	R	I	T	F	K	K
IVAAEGVG	GAFDCLRK	EGVGSLFK(	K	I	V	F	K	G
IVAPLTDR	GARMIYQK	IVAPLTDRY	K	I	V	D	R	Y
IVGEAITNH	NIVSGFGKI	EAITNHPKI	K	I	V	P	K	I
IVKEEIFGP'	GDVKEDM	GPVVTVTK	R	I	V	T	K	F
IVYYLDSPD	AMKPSQFI	GGVGYITK(	K	I	V	T	K	D
IYLNQSK	_____	RIYLNQSKF	R	I	Y	S	K	F
KAAFLGSE'	GTKPVLKK	AFLGSEVRI	K	K	A	V	R	L
KAGISYAA'	_____	NVAAQAIR	R	K	A	I	R	S
KAMLNNSI	RDQATKTR	NNSMSLYF	R	K	A	Y	R	C
KAPGQSTV	LSKVNKTKI	GLLAQLAK(	K	K	A	A	K	Q
KDRYDDAL	SEVEVGEK	DDALNATF	K	K	D	T	R	A
KESNFLIDF	LPPAPAPKI	GVSAAVAI	K	K	E	A	K	T
KFFENHPS'	REALENER	NHPSYSSK/	R	K	F	S	K	A
KFFIDNLGY	FGGYEVFK	LGYDTASR'	K	K	F	S	R	Y
KFVFNPPK	KWAGIKTR	VFNPPKPR	R	K	F	P	R	K
KGLGNPLL'	QLYAITFRK	LLYDGVER'	R	K	G	E	R	V
KGPAPLNL	YDISGRIRK	AYEFDGDK	R	K	G	D	K	V
KGPAPLNL	YDISGRIRK	DGDKVIVG	R	K	G	V	G	-
KGSVTSVQ	QERITTTKK	DATTVLSR(	K	K	G	S	R	G
KHLWEER	GPDDNHQ	RKHLWEEF	R	K	H	E	R	I
KIAESLDAI	DLIIKRIRKI/	VDSSNEGR	R	K	I	G	R	S
KIPLLGPTL	KFQDTLYK	TPPEDKPN	K	K	I	P	N	-
KIPVGYSSI	YISDKNYRI	SNDDEDTF	R	K	I	T	R	V
KISSIQDILP	PLLLLSEKK	LEISNQSRF	K	K	I	S	R	R
KIVAAEGV(	DGAFDCLR	EGVGSLFK(	R	K	I	F	K	G
KIVADLKK	AVVSSNIK	KIVADLKK(	K	K	I	K	K	G
KLDDLEEN'	SKYNAVLR	DDLEENTK	R	K	L	T	K	S
KLDNPAIG	VQAISLFK	NPAIGPMF	K	K	L	M	R	K
KLYCVYVA'	NNGSDESK	VYVAVGQI	K	K	L	Q	K	R
KLYCVYVA'	NNGSDESK	YVAVGQKF	K	K	L	K	R	S
KMDEAEQ	EKAKISAK	EAEQLFYK	K	K	M	Y	K	N
KNPQEAYE	PDLETDIR	EAYEEEKK'	R	K	N	K	K	T
KPIHADPP'	GPIKSKLR	EILETGIKV'	R	K	P	I	K	V

KQLDSTVH	TPEFWRAK	TVHPDTGK	K	K	Q	G	K	T
KVDATTITA	LRLKTMVK	DATTITAKT	K	K	V	A	K	T
KVSDVLNA	DFADARM	SDVLNASR	K	K	V	S	R	N
KVTAVVES	HPFDPVSK	VESPEGER	K	K	V	E	R	I
KYAGILDCF	LKQGTLDR	AGILDCFKF	R	K	Y	F	K	R
KYAGILDCF	LKQGTLDR	GILDCFKRT	R	K	Y	K	R	T
KYDTAVKP	PGFDIVAR	VIDDATVK	R	K	Y	V	K	V
KYEDEINKF	DLVEDYKK	YEDEINKRT	K	K	Y	K	R	T
LAADDFR	LLQIDNAR	RLAADDFR	R	L	A	F	R	L
LAAQIFGS	SPNYFVAK	NAFEPASR	K	L	A	S	R	L
LADGLFVN	VHKSTIQR	GLFVNVAK	R	L	A	A	K	E
LAELIEQDK	DRGKALYR	IETLDNGK	R	L	A	G	K	A
LAGAEEWT	PCHTRDIK	QNYHLSSK	K	L	A	S	K	M
LAGITTVK	SPKDIILKL	LAGITTVK	K	L	A	V	K	G
LAGNASW	LAGVEAEK	WGELFSSK	K	L	A	S	K	T
LAGNASW	MAGIEAEK	WGELFSTK	K	L	A	T	K	T
LALLESLGA	PDDTSLEK	SLGATVNK	K	L	A	N	K	V
LASYLDKVF	TMQNLND	ASYLDKVR	R	L	A	V	R	A
LAVQDPNF	YLRDIKSKL	VQDPNFLK	K	L	A	L	K	L
LAYEACGG	ILSPKVVKL	EACGGNPK	K	L	A	P	K	D
LCVPVANC	LKSPVLSKL	FINLAGYK	K	L	C	Y	K	K
LCVPVANC	LKSPVLSKL	INLAGYKK	K	L	C	K	K	L
LDKFTDGG	SGLISSAKL	GLFTLFVR	K	L	D	V	R	D
LEFANLTP	NTNNLQTK	SLTPGVAK	K	L	E	A	K	S
LEGIDVFD	ARLELLGKL	TKPLDSSR	K	L	E	S	R	K
LENEIQTYF	QLLDIKIRL	ENEIQTYR	R	L	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK	K	L	E	I	K	G
LETENDGV	VSLFGIYKL	DGVVGLVK	K	L	E	V	K	S
LETLDNQT	RNTGLTPK	TLDNQTM	K	L	E	M	R	N
LFAGMSPE	NIKPLTTRL	GMSPEMA	R	L	F	A	K	K
LFEEQLDK	ESFTKAAR	NNEDEKLK	R	L	F	L	K	E
LFGVEGTY	AAAPPPVR	ALYQAAAK	R	L	F	A	K	N
LFLAQYR	KQVAGSLK	KLFLAQYR	K	L	F	Y	R	E
LFLGQGLIT	GSIEFVSKL	LGQGLITK	K	L	F	T	K	Y
LFLNELGIY	GAVPNTIR	LGIYPSPKG	R	L	F	P	K	G
LGAFNDFL	TRTGKRTR	DFLNSASR	R	L	G	S	R	Y
LGDASCAA	GDEAPALK	CAAPFTSK	K	L	G	S	K	L
LGEHNIDV	YKSRIQVR	EQFINAAK	R	L	G	A	K	I
LGEMIAR	ELATLQAR	RLGEMIAR	R	L	G	A	R	L
LGHLLLNP	STVKKNPK	LNPALSLK	K	L	G	L	K	D
LGHLLLNP	STVKKNPK	PALSLKDR	K	L	G	D	R	N
LGLKFDDLI	INLAGYKK	PIMQTALR	K	L	G	L	R	R
LGPISNLVK	YLDKVESK	GPISNLVK	K	L	G	V	K	S
LGSDAYVV	KVGDLISR	SDAYVVSR	R	L	G	S	R	S
LIDEYGDD	EGSVIIGK	EYGDDFAK	K	L	I	A	K	G
LINASESTD	LLDENMM	NASESTDR	K	L	I	D	R	C
LIPFLEYLA	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LKDTVASF	GIPGKLVR	KDTVASFK	R	L	K	F	K	A
LKNAVQNE	SPAINYTK	ELNFDAVK	K	L	K	V	K	D
LKYENEVA	RLAADDFR	YENEVALR	R	L	K	L	R	Q

LLANPETPI	FGLFGLVRI	LANPETPK	R	L	L	P	K	T
LLDAAVVG	DPLDSKSRI	EHYDVASK	R	L	L	S	K	V
LLDNIQEYC	ASRLQGIKL	NHFSLSYKI	K	L	L	Y	K	D
LLDTDTSM	LLEEGQLRI	VPVDTHIRI	R	L	L	I	R	F
LLIQNQDE	ASPIERVKL	QNQDEML	K	L	L	L	K	Q
LMDSNND	TSVSKVLKL	DAVQTLQK	K	L	M	Q	K	L
LNDKQTGL	LSTNVEAKI	NTNNLQTK	K	L	N	T	K	L
LNLDPLLTC	IYLVHLKRL	DMNNLSG	R	L	N	G	K	L
LNPVGVPN	WECGSVYK	VPNDDHH	K	L	N	H	H	-
LNQVSALI	KVDATPGR	QVSALIQR	R	L	N	Q	R	E
LNSASAVA	AIEYLKARL	YLQAFVSK	R	L	N	S	K	T
LNYGWDK	NDLSVSGR	LNYGWDK	R	L	N	K	K	N
LPEDESYAF	IMQTALRR	PEDESYAR	R	L	P	A	R	A
LPLQDVYK	RPTDKPLRI	LPLQDVYK	R	L	P	Y	K	I
LPNGLEYE	LPMTVPIKI	TGLFINNKF	K	L	P	N	K	F
LPNSNVNII	AKATMNCI	VNIEFATR	K	L	P	T	R	Y
LPSTTIVIK	PWIEDLRR	PSTTIVIKF	R	L	P	I	K	F
LPTEDSEM	DTRRFTFKI	LASALFAKF	K	L	P	A	K	F
LQDVNSQF	PFELVKIRL	QDVNSQFI	R	L	Q	F	K	T
LQLGQLYE	ERAKSLLKL	LGAEVLIK	K	L	Q	I	K	G
LQSNGAIQ	FSCNALKKI	QGDSFVCK	K	L	Q	C	K	N
LQVTTVR	AMSGEGEI	KLQVTTVR	K	L	Q	V	R	D
LRDDTLPK	AFLGSEVRI	LRDDTLPK	R	L	R	P	K	A
LRKPIHADF	ERGPIKSKL	EILETGIKV	K	L	R	I	K	V
LRPSEDNL	PLLKESIKLF	LQLDGVDK	K	L	R	D	K	I
LRSEIDNVK	ELNRVIQRI	SEIDNVKK	R	L	R	K	K	Q
LSDYIPGPY	NPKKRPGK	YPNEQAAF	K	L	S	A	R	A
LSEPVHK	GSSFDALKI	KLSEPVHKI	K	L	S	H	K	L
LSESLPNQ	ETVASNQR	SLPNQVFK	R	L	S	F	K	N
LSGGVAVII	KLQERLAKI	SGGVAVIR	K	L	S	I	R	V
LSHNQQLA	IVGSQVFKI	QLAQFNNI	K	L	S	N	K	N
LSINGIGK	RTHPNNIK	LSINGIGKD	K	L	S	G	K	D
LSLGEAFK	EVLIKGSKL	LSLGEAFK	K	L	S	F	K	K
LSQTKEIK	RLISLYVKL	LSQTKEIKA	K	L	S	I	K	A
LSSPATLNS	DNDIMLIKI	SPATLNSR	K	L	S	S	R	V
LTISVTDTE	FTLKQWNI	VTDTEVER	R	L	T	E	R	A
LTQLSYQQ	QDLAKREK	TQLSYQQR	K	L	T	Q	R	V
LTQQFQGI	ETLWSLVK	FQGMSIPR	K	L	T	P	R	E
LVDVEELG	LTGCVTVK	EELGYFAK	K	L	V	A	K	N
LVGSDVGC	MPSLFQAF	SDVGQGPI	R	L	V	P	R	D
LVLEVAQH	EIKTPQGK	HLGENTVR	K	L	V	V	R	T
LVSLMDSP	TEPRLVSK	LMDSPSSR	K	L	V	S	R	V
LVSQPQFA	PLEATRIRL	GLVGGFSR	R	L	V	S	R	I
LVSTIYEVA	FPDYELFKL	VAPGVLTK	K	L	V	T	K	H
LWDQDIAI	VKAWAGK	EGLLDYMR	R	L	W	M	R	I
LWIQELER	EKAKMREK	LWIQELER	K	L	W	E	R	R
LYCVYVAV	NGSDESKK	VYVAVGQI	K	L	Y	Q	K	R
LYQLNEFL	VTVDAGM	LNEFLGAK	R	L	Y	A	K	G
MAQIPNFC	YLAKNFDK	AQIPNFQK	K	M	A	Q	K	N
MDEAEQLI	KAKISAKK	EAEQLFYK	K	M	D	Y	K	N

MLDLQAF\	SLEPLGGRI	LDLQAFVR	R	M	L	V	R	R
MLTGDAV(	RHLGLRVK	GDAVGIAK	K	M	L	A	K	E
MMMTSG(	PLDTVRRR	MTSGQAV	R	M	M	V	K	Y
MQLQVTTI	PLDVVKTR	MQLQVTTI	R	M	Q	T	K	G
MSNYLVQI	QNYHLSSK	LVQNYGTR	K	M	S	T	R	S
MSPPVYSD	_____	PVYSDISR\	-	M	S	S	R	N
MTLDDFR	LLDIDNTR\	RMTLDDFF	R	M	T	F	R	I
NANPWGC	SDEYLKSK\	GYSQVQSK	K	N	A	S	K	-
NASYLEER	SVIDDYVR	NASYLEERI	R	N	A	E	R	L
NAVQNES\	AINYTKLK\	ELNFDAVK	K	N	A	V	K	D
NAVQNES\	AINYTKLK\	FDAVKDFK	K	N	A	F	K	L
NCFDTAEE	TPLAPYFK\	DMNIEIIR\	K	N	C	I	R	N
NEETSGEG	VDEKGQGI	DKNEPSSK	K	N	E	S	K	S
NEFGSLSE\	KEDGKDKR	GSLSEYFRS	R	N	E	F	R	S
NEGATLIT(	LKYVDIGK\	TLITGGERL	K	N	E	E	R	L
NELITSLTP(	ANLTPGLK	SLTPGVAK	K	N	E	A	K	S
NFTFLESV\	KTTMAANI	FTFLESVK\	R	N	F	V	K	H
NGNEYNE\	GIYWYWW\	YNEFLYSK/	K	N	G	S	K	A
NGTAASEP	DAFYTQYK	SEPTPITK_	K	N	G	T	K	-
NINDLLNK	PVYSDISR\	NINDLLNK	R	N	I	N	K	D
NITWIAEC	KSKEQEVR	ECIAQNQR	R	N	I	Q	R	E
NKYEDEIN	QDMVEDY	KYEDEINK\	R	N	K	N	K	R
NKYEDEIN	QDMVEDY	YEDEINKR	R	N	K	K	R	T
NLAEEFDH	LNSFEDKK	LAEEFDHR	K	N	L	H	R	V
NLASPPNN	DAVREKIR	PIYGLELKS	R	N	L	L	K	S
NLDGYVV\	DAIVETHK	GYVVNLLK	K	N	L	L	K	V
NLDLDSIA	ILSMDNSR	DSIIAEVKA	R	N	L	V	K	A
NLDTTLYN\	WGSVSLLK	NVVVVSPR	K	N	L	P	R	N
NLDVEATE	FYKNAETK	ATETGAPK	K	N	L	P	K	E
NLFNTNET	DQYQKIFK	NTNETTQK	K	N	L	Q	K	I
NLGLPSDR	LGVTSLIKN	NLGLPSDR	K	N	L	D	R	C
NLHTHPVA	LVHKSTGR	PVAAPVSK	R	N	L	S	K	T
NLILSDASK	SLPNQVFK	LILSDASKE	K	N	L	S	K	E
NLLSYFTR	NTARESSK	NLLSYFTRA	K	N	L	T	R	A
NLNEEYTS	EFNEEVFK	EYTSDEIKC	K	N	L	I	K	Q
NLSDLYTV	QQLAKVN\	SDLYTVLKT	K	N	L	L	K	T
NLSLQTGT	LVNSIESKN	TGTKPVLK	K	N	L	L	K	K
NLSLQTGT	LVNSIESKN	GTKPVLKK	K	N	L	K	K	K
NMAEEFEY	SHTNEEVR	PDEQGNPI	R	N	M	P	K	K
NMLTTSL\	ETKESRFR\	TTSLMSIRF	R	N	M	I	R	R
NMQDMV	SRLDSELK\	QDMVEDY	K	N	M	Y	R	N
NNDYDLDL	IKVKSSAK\	NDYDLDLK	K	N	N	L	K	Y
NPSGLPDS	DAILQMDF	SPLNDNSK	R	N	P	S	K	I
NPTVENFI	GKATLLTR\	EATNLLEK/	R	N	P	E	K	A
NQPGNVA	LEKYFDEK\	VAAAEASK	K	N	Q	S	K	K
NSHIKPEL	KSSDTVAR	ELDALNNK	R	N	S	N	K	L
NSSIDAAF(	ALYQAAAK	AAFQSLQK	K	N	S	Q	K	V
NTIVSSYN	RDIKKGDK	TIVSSYNR\	K	N	T	N	R	N
NTSVIDKIE	SHYRSVLK\	DKIESYVK(	K	N	T	V	K	Q
NVAAGCN	AIFTESVK\	GCNPMDL	K	N	V	L	R	R

NVAAGCNI	AIFTESVKN	CNPMDLRI	K	N	V	R	R	G
NVIITLPHS	RKPRAPMF	ITLPHSSKV	R	N	V	S	K	V
NVQDAIAL	AHVKKQCK	AIADAEQR	K	N	V	Q	R	G
NVSTGDVI	EEEMKDLR	TQLLNNMI	R	N	V	M	R	S
NVTMIDDL	WGFSTATF	DLIHFTLKC	R	N	V	L	K	Q
NWAGIYSA	FRKNYVFK	IYSAKPERY	K	N	W	E	R	Y
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYLMFMK	LIHEEGQK	KNYLMFM	K	N	Y	M	K	M
NYSNSVQV	YCTNFGTK	YSNSVQW	K	N	Y	W	R	V
PAINVGLS	ELFYKGIRP	NVGLSVSR	R	P	A	S	R	V
PFDELTVD	LDNIQSAR	LTVDDLTK	R	P	F	T	K	I
PGVTLGVG	LAYKQLLR	GSSFDALK	R	P	G	L	K	L
PIHADPPS	PIKSKLRKP	EILETGIKV	K	P	I	I	K	V
PLTIASDP	STARMMA	SGFFGLQK	R	P	L	Q	K	K
PPLPQNYA	_____	PSNWDKF	M	P	P	F	K	M
PQSFTSIAR	_____	QSFTSIARI	M	P	Q	A	R	I
PSTTNTAA	_____	AAANVIEK	M	P	S	E	K	K
QAVITNEL	SILYNRTRC	ITGASSLG_	R	Q	A	L	G	-
QAVWYISY	AQLTEPEK	SYGEWGPI	K	Q	A	P	R	R
QEYEQLIA	TKTLNDMF	EYEQLIAK	R	Q	E	A	K	N
QFNGLLDV	GSKSTSQR	NGLLDVYK	R	Q	F	Y	K	K
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QGPVRPFI	PVPELDIKC	SAELASLRT	K	Q	G	L	R	T
QGVDADI	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIAQQDAE	FTKAVEQK	IAQQDAER	K	Q	I	E	R	A
QIIENAGEE	KAITRPAK	EGSVIIGKL	K	Q	I	G	K	L
QISLEGLQ	LQEELRKK	ISLEGLQKC	K	Q	I	Q	K	Q
QISNLQQS	SEIDNVKK	SISDAEQR	K	Q	I	Q	R	G
QKLPWAQ	IVSKLSERQ	AQLTEPEK	R	Q	K	E	K	Q
QKVELAHE	ESEAFELKC	VELAHEAK	K	Q	K	A	K	A
QLGFFGSF	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLIVAVNK	LAFTLGVR	QLIVAVNK	R	Q	L	N	K	M
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYK	GSSFDALK	K	Q	L	L	K	L
QLQVIESFE	PVKIDASK	QVIESFEK	K	Q	L	E	K	H
QNQYSPLA	ERLTQLLK	LDGIELSRI	K	Q	N	S	R	I
QPVKDGPL	IKFSLKAKQ	LSTNVEAK	K	Q	P	A	K	L
QSILACCQ	KNACESVK	ACCQESNK	K	Q	S	N	K	-
QSLELVNP	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSVEADIN	YENEVALR	EADINGLR	R	Q	S	L	R	R
QSVEADIN	YENEVALR	ADINGLRR	R	Q	S	R	R	V
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L
QVLDNLTN	DADINGLR	LDNLTMEK	R	Q	V	E	K	S
QVPENPM	GTTDIPLK	ADIQDILKE	K	Q	V	L	K	E
QVQDFEEN	ATKKSVLK	EENDHPNF	K	Q	V	N	R	V
QWDTLWT	ITFENLLKQ	WTSSEFIR	K	Q	W	I	R	V
QYEEAIFK				Q	Y	F	K	
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RGDVIVAD	SVLPAFTKF	QNALQLSR	K	R	G	S	R	S
RGNNYDLE	EGWIPSSR	HDDKPWY	R	R	G	Y	K	A

RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RIANVVHF	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S
RLPEDESY	PIMQTALR	PEDESYAR	R	R	L	A	R	A
RLPSTTIVI	SPWIEDLR	PSTTIVIKF	R	R	L	I	K	F
RPTHYNTS	ETQFGITKF	NTSWDVA	K	R	P	A	K	F
RPVLNKGD	SYGEWGPI	GDSSFIAK	R	R	P	A	K	G
RQLLELQS	KKRNDEAR	EVDFSHYR	R	R	Q	Y	R	S
RSHGEVHY	EPVRTIARF	YDVDPENK	R	R	S	N	K	T
RSPESYDK	NGLSNLYK	KADESFTK	K	R	S	T	K	A
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	R	S	L	K	A
RTGNIVDV	VKEGELVK	VGPGLLGR	K	R	T	G	R	V
RTGYVSNE	ERLEKEGR	GYVSNEER	R	R	T	E	R	I
SAANKLDV	_____	ANKLDWA	K	S	A	A	K	V
SAAPEYTLF	PFYCIGFKS	AAPEYTLR	K	S	A	L	R	T
SADEVINM	VVTVTKFK	SNINTALK	K	S	A	L	K	V
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	S	A	F	R	K
SAEDQLYA	VAEQCPVK	LYAITFRKG	K	S	A	R	K	G
SAELIGEAI	VRAQGEAK	LIGEAIKKSI	K	S	A	K	K	S
SAEMALVC	EKEEAIFRS	YIPQEISRD	R	S	A	S	R	D
SALEHNEV	MQSISPVK	ALEHNEVK	K	S	A	V	K	I
SASAGGVP	TVEITRHKS	QSSWSVFK	K	S	A	F	K	N
SATESFVA	KELLASLKS	TESFVATF_	K	S	A	T	F	-
SAVLNTTF	SLTPGVAK	TQPFFTAR	K	S	A	A	R	G
SDEETLIYFI	TDTGVIHK	YFDNVYAR	K	S	D	A	R	T
SDGVAGLY	DVYKKTLK	DGVAGLYR	K	S	D	Y	R	G
SDIPPPPDC	QVTPPEHK	GALAIVTK	K	S	D	T	K	T
SDMSMMI	LLDYMRIR	SDMSMMI	R	S	D	R	W	-
SEGWIPSSI	EEGVLPWK	EGWIPSSR	K	S	E	S	R	R
SEISELR	SELVQSGK	KSEISELRR	K	S	E	L	R	R
SEITELR	IEQISSYKSE	KSEITELRR	K	S	E	L	R	R
SEITELRR	IEQISSYKSE	SEITELRRN	K	S	E	R	R	N
SEYTDMLA	AKGYDASK	TGIIDPFKV	K	S	E	F	K	V
SGEEPSEA	QAFVRRVK	EPSEAVDK	K	S	G	D	K	M
SGGNWAN	DKFYGDHK	NSLGGSTK	K	S	G	T	K	F
SGLDQEQL	FVGWWM	DQEQLDAI	K	S	G	A	R	K
SHLQSNQL	EGMADLVI	PLDFALGK	K	S	H	G	K	S
SIIELEHYG	YMTREAPK	HYGVPFSR	K	S	I	S	R	T
SINIALNSL	LGFEADRR	SDIDPDLK	R	S	I	L	K	S
SIQPYLQR	TNFYQQYK	SIQPYLQR	K	S	I	Q	R	S
SISISVAGG	LVGLGGTK	AAGGFGGI	K	S	I	G	R	G
SIVAQFDA	SIGNEVLK	AAELITQRE	K	S	I	Q	R	E
SIVEPVR	PVGTIELK	KSIVEPVRT	K	S	I	V	R	T
SKAEAESLY	QNEDIAQK	AESLYQSK	K	S	K	S	K	Y
SKEEAEALY	QYEEIAQR	AEALYHSK	R	S	K	S	K	Y
SKELTTEID	AEAWFNEI	IEQISSYKSE	K	S	K	Y	K	S
SKPFFWGL	DYEFMNIR	FFWGDGD	R	S	K	D	K	T
SLDFLNQSI	SLPGSTDK	NQSFIQQK	K	S	L	Q	K	A
SLDHSIAQ	DNGLEVLR	IAQAAINKE	R	S	L	N	K	E
SLDLDSIIAE	ILSMDNNR	DSIIAEVKA	R	S	L	V	K	A
SLKLENVVI	SKLVGQGK	NVVKPEIK	K	S	L	I	K	G

SLLEGEGSS	ENEIQTYRS	GSSGGGGF	R	S	L	G	R	G
SLNNQFAS	SREREQIKS	QFASFIDK\	K	S	L	D	K	V
SLPQGPAP	ANVVHFYK	QGPAPAIK	K	S	L	I	K	A
SLQDIIAILC	QETLQTYK:	DELSEQDK	K	S	L	D	K	L
SLQDIIAILC	QETLQTYK:	QDKLTVER	K	S	L	E	R	A
SLVNLGGS	AGGGFGSF	LVNLGGSK	R	S	L	S	K	S
SNHNELLT	SSFLSYLKSI	NELLTEIRE	K	S	N	I	R	E
SNHNELLT	SSFLSYLKSI	LLTEIREKG	K	S	N	E	K	G
SNYSLNPR	GEDDSAVK	SNYSLNPR	K	S	N	P	R	D
SPAQILQW	YAKPAAVR	LSNTVPAK:	R	S	P	A	K	S
SPGEFQR	_____	RSPGEFQR	R	S	P	Q	R	Y
SPNIVFAD/	VTLELGGK:	FADAELKK/	K	S	P	K	K	A
SPPVYSDIS	_____	PVYSDISRN	M	S	P	S	R	N
SPTFVGDL	GAFDLCLK:	ISAGSISRY/	K	S	P	S	R	Y
SQGDDINE	ETRKVLQK:	LQFVDPVK	K	S	Q	V	K	V
SQTDAFYT	QTASVLNR	DAFYTQYK	R	S	Q	Y	K	N
SQYEQLAE	TQLLNNMI	EQLAEQNF	R	S	Q	N	R	K
SQYEQLAE	TQLLNNMI	QLAEQNRK	R	S	Q	R	K	D
SRDYVELKI	LIGEAIKKSI	RDYVELKR	K	S	R	K	R	L
SSAGFADK	DLVINYLKS	FADKIDGR	K	S	S	G	R	M
STGVENSG	LVRFASTR:	GAGPTSFK	R	S	T	F	K	T
STLGCPPTI	FGIYGSLKS	IEIGGGGH_	K	S	T	G	H	-
STMQELN:	GILTANEK:	TMQELNSF	K	S	T	S	R	L
STQEVITFE	VVPGFNIK:	ITFENLLKQ	K	S	T	L	K	Q
STVAQLVQ	YVAVGQKF	LEQHDAM	R	S	T	M	K	Y
STVETFISSI	LLSSAGAK:	ADVLAMA	K	S	T	A	K	V
SVEDFMA/	MKEKKSTR	DFMAAMC	R	S	V	Q	R	V
SVHEPVQT	APGILPRR:	EPVQTGLK	R	S	V	L	K	A
SVMEETYV	KGLTPDEK:	ETYVQITKA	K	S	V	T	K	A
SVTKPVAP	FYSTDKSK:	TDAPAKPK	K	S	V	P	K	E
SYAYFMVC	NNDADKG	LLSSAGAK:	R	S	Y	A	K	S
SYSNSVQW	YCTNYGTK	YSNSVQW	K	S	Y	W	R	V
SYTPTSLDC	INGKDITRS	TSLDGDTK	R	S	Y	T	K	G
TAAENDFV	YEDEINKR1	ENDFVTLK	R	T	A	L	K	K
TAAENDFV	YEDEINKR1	NDFVTLKK	R	T	A	K	K	D
TAEELGEL\	RVALNIIKT	EELGELVR(	K	T	A	V	R	G
TAESTPLSA	TGNTVVLK	LSALYVSKY	K	T	A	S	K	Y
TAFKPHEL1	ALADVLYK	ESVLPAAR\	K	T	A	A	R	Y
TAPVSSTA(	ISNLVKSKT	PQTASTSK	K	T	A	S	K	L
TAQNLAEV	LQQKPVVK	TLIGPGAKE	K	T	A	A	K	E
TATQEGVI:	GILDCFKR1	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	DTILNQKR\	K	T	A	K	R	W
TDDEVVLE	FDFMKRVK	EVVLENIKF	K	T	D	I	K	R
TDGSAPGL	GLETLYSR1	AGVSYLTR\	R	T	D	T	R	Y
TEADIDEM	YLGSFPSK1	DIDEMVSK	K	T	E	S	K	A
TELQTASVI	QAIRSSLK1	QTASVLNR	K	T	E	N	R	S
TGDGDIEN	DATTITAK1	WATGNAP	K	T	G	P	R	E
TGLHFGR	YTSHLSSK1	KTGLHFGR	K	T	G	G	R	L
TGNIVDVP	KEGELVKR	VGPGLLGR	R	T	G	G	R	V
TGNPSNA1	FSLFLFTKT(	DFDSVYAR	K	T	G	A	R	V

TGPIVYVQ	_____	NADGIFFK	M	T	G	F	K	L
THEYQAD	FVMSLISR	TYQADAYA	R	T	H	A	K	K
TIAMDGTE	HLGENTVR	DGTEGLVR	R	T	I	V	R	G
TIEQSPSFG	EKPIFNAK	TEQSPSFGK	K	T	I	G	K	F
TIEQSPSFG	EKPIFNAK	TDTDANVPF	K	T	I	P	R	D
TIFEAENIP	KEITDSVR	TDWETINIK	R	T	I	I	K	Q
TIFTVTPGS	AAHGLKSK	TPGSEQIR	K	T	I	I	R	A
TIIATGGYG	IHRFRAHK	IATGGYGR	K	T	I	G	R	A
TKEQGYFE	PSKAKSNR	YFEGNNSR	R	T	K	S	R	N
TKPSNEDP	RRKISTNK	TPQEINDQK	K	T	K	Q	K	S
TLEDELEV	VITIREGR	TLEVTEGMF	R	T	L	M	R	F
TLENEEEIK	RAELARMK	EEIKNLEKE	K	T	L	E	K	E
TLFWNPV	FFWGDGD	FWNPVVN	K	T	L	N	R	H
TLGQDYDE	VQLPTIYR	TLGQDYDEF	R	T	L	E	R	V
TLLDIDNTF	DLTVGNNK	LLDIDNTR	K	T	L	T	R	M
TLLEGEESR	DLEIATYR	TLLEGEESR	R	T	L	S	R	M
TLTSSTMT	NKFWKQLI	SSTMTSIKY	K	T	L	I	K	Y
TLVGVSHT	SLDRVAWF	SHTNEEVR	R	T	L	V	R	N
TLVILGSGV	FPNGSKRK	WGSVSLLK	K	T	L	L	K	N
TMNKEWC	MAGGQDA	MNKEWQL	K	T	M	L	K	S
TNAENEFV	YEDEINKR	TENEFVTIKK	R	T	N	I	K	K
TNAENEFV	YEDEINKR	TNEFVTIKKD	R	T	N	K	K	D
TNEAAGDC	LLQEVASK	TSATVLGR	K	T	N	G	R	A
TPEEHETC	FHAFIVYR	TCSQLVDR	R	T	P	D	R	M
TPHEIQEA	KPVFIRHR	TDPQTDADF	R	T	P	D	R	V
TPNFDDVL	LASKSTYR	TPNFDDVLK	R	T	P	L	K	E
TPNFDDVL	LASKSTYR	TNNDADKG	R	T	P	G	R	S
TPQDILLR	VNLLYGNK	TPQDILLRK	K	T	P	L	R	K
TQEFSQM	GVEISKQK	TFSQMACEF	K	T	Q	E	K	T
TQSQIEDF	RLKNQIVK	QSQIEDFK	K	T	Q	F	K	Y
TQSQIEDF	RLKNQIVK	EDFKYNHK	K	T	Q	H	K	G
TQSSLDEG	QKDVSVFR	SSLDEGVR	R	T	Q	V	R	N
TREGNDLY	VFTGVGER	REGNDLYR	R	T	R	Y	R	E
TRLDYLSG	VPDQKLFK	RLDYLSGKI	K	T	R	G	K	I
TSLLMALL	IGPTGSGK	EMYLLNGK	K	T	S	G	K	V
TTLSEEEFE	SLDKNKPK	EEFENVVK	K	T	T	V	K	G
TTSTTLESE	SDLYTVLK	TSELYAIAKE	K	T	T	A	K	E
TTYENVDL	AKSIEGFKT	NVDLVLIRE	K	T	T	I	R	E
TVDLSISTK	LIVELGDKT	VDLSISTKI	K	T	V	T	K	I
TVEEDHPI	GAPLFVLK	VHENYENK	K	T	V	N	K	V
TVFIQELIN	FGGAGVGI	ELINNIAKA	K	T	V	A	K	A
TVQSFVAE	EEQLSGIKT	AEGNELSR	K	T	V	S	R	Y
TWIEISGTS	GSCAVFSK	EISGTSPRD	K	T	W	P	R	D
TYGDGTDS	VENPHIER	SDSQMNSI	R	T	Y	S	R	I
TYMGWW	_____	WGHMGG	K	T	Y	P	K	Q
VAEEEERLE	RRWENALF	EEEERLEKE	R	V	A	E	K	E
VAFTGSTA	TNHPKIKK	TGSTATGR	K	V	A	G	R	H
VAIGEVPF	LPLPRDPR	VPFTFGVR	R	V	A	V	R	T
VALPIGIIAS	KLIDVITKV	QYSMYDVI	K	V	A	V	K	G
VALTGLTIA	EPPGARAR	LTIAEYFRD	R	V	A	F	R	D

VALVFGQN	INLEGESKV	MNEPPGA	K	V	A	A	R	A
VAQYTVPV	_____	QYTVPVGK	M	V	A	G	K	A
VDASSQSF	LKHIINNRV	VPDYYGEK	R	V	D	E	K	I
VDLLNQEI	IKVELQSKV	NQEIEFLK	K	V	D	L	K	V
VEFEKPLL	ITDPKSSKV	PLLLLSEKK	K	V	E	E	K	K
VEVNLAAI	ADVLAMAI	LAAIPLGKN	K	V	E	G	K	N
VFGLNNIQ	AVGDGIAR	VEFSSGVK	R	V	F	V	K	G
VGDGLLLI	FISKALAKV	GDGLLLIR	K	V	G	I	R	R
VGDLISR	AEFFDNHK	KVGDLISR	K	V	G	S	R	L
VGDPFDES	KAASESIKV	TSQMQLN	K	V	G	N	K	I
VGGASEVE	SGGVAVIR	SEVEVGEK	R	V	G	E	K	K
VGGASEVE	SGGVAVIR	EVEVGEKK	R	V	G	K	K	D
VGQSLSIV	LNLTQLSK	VSNDELSK	K	V	G	S	K	A
VHYQTTGF	FENEANW	PEIAHQTK	K	V	H	T	K	G
VIEFLSANK	GSQVAVEK	EFLSANKK	K	V	I	K	K	E
VIIIDTDPN	KLNRDLSK	DTDPNSYK	K	V	I	Y	K	L
VILDNEALL	ILASSPNRV	LNTVVDAR	R	V	I	A	R	I
VINATPTM	VGETALSR	IPPLILVRL	R	V	I	V	R	L
VLASLHDY	SDFSRRLR	NNQDLIAR	R	V	L	A	R	V
VLAVGDGI	ANLNETGR	AVGDGIAR	R	V	L	A	R	V
VLDELTLTK	ADINGLRR	LDELTLTKA	R	V	L	T	K	A
VLDEVVVD	TALVKASR	VVDNFDQI	R	V	L	Q	K	L
VLDTGGPI	EGLVRGEK	PISVPVGR	K	V	L	G	R	E
VLEHLHST	EENDHPNF	TPLSLPTR	R	V	L	T	R	G
VLFDDMVI	GGSIAMAF	ATTSQMAI	R	V	L	A	K	D
VLFDVSK	QNVAETTK	KVLFDVSK	K	V	L	S	K	E
VLFDVSKE	QNVAETTK	ESEAFELK	C	V	L	L	K	Q
VLGAEEFP	ANQDQGV	PVQGEVVK	R	V	L	V	K	I
VLPSIGNE	LGLDYDER	SIGNEVLK	S	V	L	L	K	S
VLPSIVNE	LGQDYDER	SIVNEVLK	A	V	L	L	K	A
VLQQSISE	GNPKFQEK	EIEQLLSK	L	V	L	S	K	L
VLSRPDVV	QMVNITCF	VQLPTIYR	T	V	L	Y	R	T
VLYDAEIS	NQEIEFLK	ILSMDNSR	K	V	L	S	R	N
VMFFLPW	DVRTSDGR	FFLPWQG	R	V	M	G	K	V
VMGDEFN	NAVHATV	DEFNWSE	K	V	M	E	K	K
VNVFNINN	EGFSTLKK	VFNINNNR	K	V	N	N	R	Y
VPLNTFQA	MKKMITA	FQANYASR	K	V	P	S	R	T
VQALEEAN	RLASYLDK	ANNDLEN	K	V	Q	N	K	I
VQETLQTY	EHYDVASK	QETLQTYK	K	V	Q	Y	K	S
VQLSGNPI	GRRRPKFR	NPILGDGK	R	V	Q	G	K	S
VQSELGNP	LAKSVISR	VQSELGNPK	R	V	Q	P	K	F
VSDSGIVT	ASSQVKAK	GIVTLAYK	K	V	S	Y	K	Q
VSDVLNAS	FADARMKI	SDVLNASR	K	V	S	S	R	N
VSLQDIK	LLYDGVER	RVSLQDIK	R	V	S	I	K	D
VSLQDIKD	LLYDGVER	DIKDFADK	R	V	S	D	K	V
VSLQDIKD	LLYDGVER	FADKVYTK	R	V	S	T	K	E
VSNLNDAV	ARVGDNLF	VEEVVSLK	R	V	S	L	K	G
VSPEDPAV	RSIAKSNK	MAGIEAEK	K	V	S	E	K	L
VTAVVESP	PFDPVSKK	VESPEGER	K	V	T	E	R	I
VTMQNLN	GLLSGNEK	TMQNLND	K	V	T	D	R	L

VTSTSSAVL	APKANTPK	TDFQETFK	K	V	T	F	K	T
VVDALGNF	VGPGLLGR	LGNPIDGK	R	V	V	G	K	G
VVDALGNF	VGPGLLGR	GPIDAAGR	R	V	V	G	R	S
VVDLLAPY	EILETGIKV	DLLAPYAR	K	V	V	A	R	G
VVDLLMG	LGEYPLGR	DLLMGGG	R	V	V	G	R	S
VVNVDLPI	TRPGRFDK	NVDLPDVF	K	V	V	V	R	G
VVTADQGI	NKSDMETF	DQGEALAK	R	V	V	A	K	E
WDVPGYK	EEMVKKGI	DVPGYKDF	K	W	D	D	R	F
WENMPST	AVMDLQSI	EQQDIVSK	R	W	E	S	K	L
WLISQEAI	NNKIIGSR	DTIMNMTI	R	W	L	T	K	G
WLYSTNAK	_____	WLYSTNAK	R	W	L	A	K	D
WNLLADDI	SNEQIYNR	NLLADDFK	R	W	N	F	K	T
WQGKPVF	LGKNVVVK	QGKPVFIR	K	W	Q	I	R	H
WVVIGDEI	DYRDQGIK	NFGEGSSR	K	W	V	S	R	E
YAGILDCF	KQGTLDRK	AGILDCFKF	K	Y	A	F	K	R
YAGILDCF	KQGTLDRK	GILDCFKRT	K	Y	A	K	R	T
YAKPLTAE	HKPYVAFR	PLTAETYK	R	Y	A	Y	K	Q
YAMALSYF	ISAGSISRY	MALSYFAK	R	Y	A	A	K	D
YDGAFDCL	MTSGQAV	DGAFDCLR	K	Y	D	L	R	K
YDGAFDCL	MTSGQAV	GAFDCLRK	K	Y	D	R	K	I
YDNIPEHA	FKAVLEGK	GIEDVVAK	K	Y	D	A	K	A
YDYAVAEC	ESVLPAAR	VAEQCPVK	R	Y	D	V	K	S
YECLQPSG	ASAQFFLK	LQPSGSFK	K	Y	E	F	K	S
YEELQITA	AESLYQSK	ELQITAGR	K	Y	E	G	R	H
YEEQTTNH	NPYAPGLR	PVAIVGAR	R	Y	E	A	R	E
YEKEFDEA	TFEEFTAR	YDLFEVQR	R	Y	E	Q	R	V
YENEVALR	AADDFRLK	YENEVALR	K	Y	E	L	R	Q
YFPTQALN	GNTANVIR	QALNFAFK	R	Y	F	F	K	D
YFPTQALN	GNTANVIR	LNFAFKDK	R	Y	F	D	K	I
YFQPSSIDE	IYSAKPERY	DEVVELVK	R	Y	F	V	K	S
YGHPDGP	LVRQNYLK	SHGIALPR	K	Y	G	P	R	F
YGTIIDIFP	EIYSLFRRY	AANNNVA	R	Y	G	A	K	V
YIPIQYVLSI	FFSDKIAKY	PIQYVLSR	K	Y	I	S	R	Y
YIPQAGIPP	LSALYVSKY	NIVSGFGK	K	Y	I	G	K	I
YKESPEFK	EWEEEFIK	YKESPEFK	K	Y	K	F	K	L
YKVENEDC	IRVFEALKY	VENEDQYK	K	Y	K	Y	K	A
YLAPAYK	GFTGLVAK	KYLAPAYK	K	Y	L	Y	K	D
YLAPAYKD	GFTGLVAK	YKDFADAR	K	Y	L	A	R	M
YLCEVNKV	TLVPESPR	VNKVEDAK	R	Y	L	A	K	R
YLCEVNKV	TLVPESPR	NKVEDAKF	R	Y	L	K	R	S
YLENCNPR	GFFGLQKK	YLENCNPR	K	Y	L	P	R	D
YLPDASQ	VNIEFATR	PDASSQVK	R	Y	L	V	K	A
YLVDYAQD	NILNMFDK	QDLFKEEK	K	Y	L	E	K	I
YPFTIGELK	LVNFDTFR	PFTIGELKY	R	Y	P	L	K	Y
YQGLINEQ	SIVKRLVK	YGLINEQEK	K	Y	Q	E	K	Q
YQVTVIDA	LWKFETPK	VIDAPGHR	K	Y	Q	H	R	D
YSILYNR	NAGDMIN	RYSILYNRT	R	Y	S	N	R	T
YSMQYEYC	PFTIGELKY	SMQYEYCF	K	Y	S	C	R	T
YSNDELK	HLSAQSQK	KYSNDELK	K	Y	S	L	K	A
YSTLPSAN	KKWDKQN	TLPSANSK	K	Y	S	S	K	D

YTNPLFMC GFMHLYLK MQSISPVK K	Y	T	V	K	S
YTVSFIEGD KPNPSTGK GIGPEISKS' K	Y	T	S	K	S
YVDIGKNE MQLNKILK TLITGGERL K	Y	V	E	R	L
YVECSALT(ARELKAVK' ECSALTQR(K	Y	V	Q	R	G
YVEPGNAN KNDMTTM AMSGEGEI K	Y	V	E	K	L
YVEPGNAN KNDMTTM KLQVTTVR K	Y	V	V	R	D
YYQNNWT DFLNSASR' NNWTDGP R	Y	Y	P	R	Q
YYWGGPD SSTMTSIK' GPDDNHQ K	Y	Y	Q	R	K

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
4	1	0	1	0	2	2	3	0
3	1	0	0	0	0	0	0	0
2	1	0	0	0	0	1	1	0
2	0	0	1	0	0	0	0	0
3	0	1	0	0	1	2	0	0
3	1	1	0	0	0	1	0	0
3	0	1	1	0	1	0	1	0
4	1	1	1	0	1	0	1	0
2	1	2	0	0	0	3	2	0
2	1	0	1	0	0	1	0	0
3	0	0	0	0	0	2	4	0
1	0	1	1	0	1	1	1	0
1	1	0	1	0	0	1	0	0
2	0	0	0	0	1	2	0	0
3	0	0	0	0	0	4	1	0
2	1	1	0	0	0	0	1	0
3	0	1	0	0	2	0	1	1
1	1	2	2	0	0	0	2	0
1	0	1	1	0	0	0	2	0
1	0	0	0	0	1	3	3	0
6	1	1	0	0	1	0	1	0
1	2	0	0	0	0	3	1	0
1	1	0	0	0	0	1	4	1
1	1	0	0	0	1	1	0	3
4	0	0	1	0	0	1	1	0
1	0	1	0	0	0	1	0	0
1	1	0	1	0	1	0	1	0
1	0	0	0	0	1	0	1	0
1	1	0	1	0	0	0	0	0
1	1	0	0	0	0	0	1	0
1	1	0	0	0	0	1	0	0
3	0	4	0	0	0	0	1	0
2	0	1	1	0	1	1	1	0
2	0	0	1	0	0	0	1	0
3	0	1	1	0	0	3	0	0
1	0	1	0	0	0	4	1	0
1	0	0	1	0	0	1	0	0
1	1	2	1	0	1	0	0	0
2	1	0	0	1	0	3	0	2
1	0	0	0	0	0	0	1	0
4	0	1	1	0	0	2	0	0
2	0	2	0	0	0	1	0	0
2	0	2	0	0	0	1	0	0
1	1	1	0	0	2	1	0	0
2	0	4	0	0	0	0	1	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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4	0	1	0	0	0	1	0	0
1	2	1	0	0	0	1	0	0
2	1	0	0	0	0	3	0	0
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2	0	1	0	2	2	2	2	0
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1	0	2	0	0	2	1	1	0
0	2	0	1	0	0	0	2	0
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1	2	0	0	0	0	0	2	0
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1	1	1	1	0	0	3	4	0
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1	4	1	0	0	0	3	1	1
0	1	2	1	0	0	0	1	1
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1	0	2	0	1	0	0	2	0
0	1	0	0	0	0	1	4	0
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1	0	1	0	1	0	1	1	0
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4	1	1	1	0	1	2	0	0
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1	0	1	1	0	1	2	1	1
3	1	1	2	0	0	1	2	1
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0	2	1	0	1	0	0	0	1
1	0	1	0	1	1	0	0	1
1	0	0	0	1	0	2	0	1
1	1	1	0	1	0	0	0	0
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0	1	2	0	3	1	0	1	0
1	1	1	0	1	1	2	0	0
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0	1	1	0	0	0	1	0	0
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1	1	1	1	1	2	2	1	0
3	0	1	0	1	1	2	1	0
2	1	1	0	0	0	0	2	0
0	1	0	0	0	0	1	1	0
0	0	1	1	0	1	1	0	0
0	1	1	1	0	1	1	2	0
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0	0	0	0	0	1	0	0	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	1	0	21	0	2125,08	sp|Q04697	sp|Q04697	286
0	1	0	8	0	777,4497	sp|P09457	sp|P09457	21
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	2	0	7	0	748,4119	sp|P50085	sp|P50085	227
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
2	1	0	10	0	1168,588	sp|P32366	sp|P32366	267
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
0	1	0	18	1	1833,047	sp|P07143	sp|P07143	167
0	1	0	20	0	2114,068	sp|P32843	sp|P32843	734
0	0	0	11	1	1169,604	sp|P40215	sp|P40215	261
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
1	2	0	22	0	2362,206	sp|P14906	sp|P14906	433
0	1	0	7	0	832,4113	sp|P22855	sp|P22855	670
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
0	0	0	13	0	1366,625	sp|P40961	sp|P40961	216
0	1	0	11	0	1119,567	sp|P32915	sp|P32915	197
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	15	0	1647,764	sp|P46367	sp|P46367	94
0	3	0	13	0	1293,657	sp|P32843	sp|P32843	492
0	1	0	18	0	1770,864	sp|P13181	sp|P13181	45
2	1	0	17	0	1750,937	sp|P21306	sp|P21306	7
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
0	0	0	8	0	946,5488	sp|P32563	sp|P32563	318
0	1	0	12	0	1306,797	sp|P00890	sp|P00890	440
2	0	0	9	0	1213,592	sp|P00410	sp|P00410	119
1	1	0	7	0	848,4756	sp|P40961	sp|P40961	66
0	0	0	7	0	728,4545	sp|P00854	sp|P00854	180
0	0	0	7	0	832,4477	sp|Q00711	sp|Q00711	337
0	0	0	18	1	1851,058	sp|P05626	sp|P05626	48
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235
0	1	0	12	0	1300,651	CON__P02	CON__P02	135
1	0	0	12	0	1380,641	CON__P13	CON__P13	166
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
1	1	0	15	0	1719,916	sp|P39968	sp|P39968	51
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
0	0	0	7	1	827,4364	sp|P18239	sp|P18239	113
1	0	0	16	2	1810,947	sp|P07213	sp|P07213	88
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	0	0	8	0	1004,504	sp|P53075	sp|P53075	518
0	0	0	16	0	1651,926	sp|P05626	sp|P05626	50
0	2	0	17	0	1907,963	sp|P00401	sp|P00401	494
0	0	0	8	0	832,3828	sp|P19882	sp|P19882	299
0	0	0	9	1	960,4777	sp|P19882	sp|P19882	299
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170

0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
1	1	0	14	0	1337,658	CON__P08	CON__P08	42
2	1	0	20	0	2203,141	sp|P00128	sp|P00128	96
2	0	0	12	0	1525,716	sp|Q05359	sp|Q05359	51
0	1	0	13	0	1441,764	sp|P32843	sp|P32843	153
1	0	0	9	0	1092,52	CON__P13	CON__P13	344
1	0	0	9	0	1106,536	CON__P35	CON__P35	360
0	1	0	7	0	718,4014	sp|P32843	sp|P32843	178
2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
1	1	0	14	0	1619,831	sp|P38353	sp|P38353	56
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189
0	1	0	14	0	1667,758	sp|P53206	sp|P53206	191
0	2	0	8	0	944,508	sp|P05626	sp|P05626	187
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
0	2	0	15	0	1644,895	sp|P50085	sp|P50085	160
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	1	0	11	0	1294,641	sp|P14906	sp|P14906	179
1	1	0	10	1	1220,64	sp|P00427	sp|P00427	123
1	0	0	9	0	992,4927	sp|P37299	sp|P37299	2
0	0	0	16	1	1804,863	sp|P54783	sp|P54783	359
0	0	0	9	0	1108,483	CON__P13	CON__P13	335
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
1	1	0	21	0	2267,086	sp|P04840	sp|P04840	20
0	3	0	13	0	1332,708	sp|P32843	sp|P32843	137
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
0	1	0	12	0	1360,647	sp|P21801	sp|P21801	159
1	1	0	10	0	1160,557	sp|P13181	sp|P13181	111
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
1	1	0	10	0	1180,576	sp|P04039	sp|P04039	32
0	2	0	11	0	1229,625	sp|P16603	sp|P16603	49
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	18	0	1897,891	sp|P28834	sp|P28834	339
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
1	1	0	13	2	1540,789	sp|P53721	sp|P53721	106
0	0	0	8	1	957,5243	sp|P32366	sp|P32366	119
0	0	0	8	1	1010,493	sp|P07213	sp|P07213	104
0	0	0	10	0	1197,497	sp|Q03713	sp|Q03713	14
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	0	0	11	0	1230,62	sp|P33311	sp|P33311	298
0	1	0	10	0	1248,596	sp|P50085	sp|P50085	115
0	0	0	13	0	1459,727	sp|P30902	sp|P30902	117
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
1	0	0	10	0	1120,576	sp|P07257	sp|P07257	313
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132
0	1	0	8	0	917,4641	sp|P32191	sp|P32191	345
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291

0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
1	0	0	16	0	1732,9	sp|P36060	sp|P36060	281
0	1	0	18	0	1870,866	sp|P32843	sp|P32843	53
0	0	0	13	0	1531,675	sp|P39727	sp|P39727	148
0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	17	1	1902,965	sp|P05626	sp|P05626	140
0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	0	0	11	1	1308,606	sp|P19882	sp|P19882	416
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
0	1	0	8	0	979,4433	sp|P32799	sp|P32799	46
0	1	0	16	1	1791,919	sp|P38353	sp|P38353	395
1	1	0	9	0	998,4379	CON__P04	CON__P04	290
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
0	1	0	11	2	1318,673	sp|Q1240	sp|Q1240	155
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	1	0	18	1	2246,006	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q0277	sp|Q0277	134
1	1	0	10	0	1139,525	sp|P28834	sp|P28834	276
1	0	0	8	0	1086,48	sp|P32799	sp|P32799	95
1	1	0	10	0	1194,515	sp|P29704	sp|P29704	226
1	0	0	9	0	1140,512	CON__P04	CON__P04	464
1	1	0	9	0	1138,533	CON__P35	CON__P35	468
1	1	0	8	0	1022,467	sp|P40215	sp|P40215	295
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
1	3	0	32	0	3508,868	sp|P40075	sp|P40075	213
0	0	0	12	0	1436,766	sp|P21576	sp|P21576	495
0	2	0	11	0	1151,63	sp|P32191	sp|P32191	610
0	1	0	19	0	2002,923	sp|P40215	sp|P40215	93
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
1	1	0	13	0	1659,742	sp|P00427	sp|P00427	59
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
1	0	0	8	0	979,4763	sp|Q03028	sp|Q03028	75
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
0	0	0	11	0	1145,604	sp|P07256	sp|P07256	89
1	0	0	7	0	865,393	sp|P00830	sp|P00830	226
0	1	0	16	0	1700,822	sp|P04037	sp|P04037	53
1	1	0	22	0	2397,055	sp|P00410	sp|P00410	214
0	0	0	9	0	1059,52	sp|P00425	sp|P00425	45
1	0	0	23	0	2509,125	CON__P35	CON__P35	450
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	2	0	24	0	2456,203	sp|P19882	sp|P19882	158
1	0	0	11	0	1361,698	sp|P29704	sp|P29704	241
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
1	0	0	10	1	1254,625	sp|P07255	sp|P07255	45
0	0	0	14	2	1543,882	sp|P07251	sp|P07251	522
0	0	0	7	0	814,4549	sp|P07251	sp|P07251	202
0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105

0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
0	0	0	15	0	1625,826	sp|P32843	sp|P32843	645
0	0	0	8	0	946,4607	sp|Q03713	sp|Q03713	148
2	2	0	15	0	1780,9	sp|P32368	sp|P32368	294
1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	1	0	17	0	1829,941	sp|P40341	sp|P40341	438
0	2	0	17	0	1869,028	sp|P32891	sp|P32891	273
0	3	0	16	0	1743,853	sp|P07257	sp|P07257	183
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
0	1	0	12	0	1388,657	sp|P54783	sp|P54783	499
0	1	0	11	0	1248,719	sp|P33767	sp|P33767	186
2	1	0	13	0	1662,796	sp|P22146	sp|P22146	425
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	0	0	14	0	1636,736	sp|P01123	sp|P01123	171
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	17	0	1810,734	sp|P32843	sp|P32843	619
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
0	3	0	15	0	1646,852	sp|P40075	sp|P40075	166
2	2	0	15	0	1698,887	sp|P19516	sp|P19516	163
1	1	0	18	0	2091,062	sp|P28241	sp|P28241	225
1	0	0	9	0	1172,492	sp|Q99297	sp|Q99297	97
0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
0	1	0	11	0	1342,492	sp|P32795	sp|P32795	280
1	1	0	16	0	1711,867	sp|P07267	sp|P07267	194
0	1	0	11	0	1275,61	sp|P38077	sp|P38077	230
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	0	0	8	0	1010,482	sp|P07257	sp|P07257	223
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
0	0	0	20	0	2063,006	sp|P07213	sp|P07213	223
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	0	0	12	0	1442,745	sp|P32563	sp|P32563	143
0	0	0	10	1	1182,596	sp|P32799	sp|P32799	33
0	1	0	12	0	1474,778	CON__P35	CON__P04	200
0	0	0	8	0	1077,513	sp|P00410	sp|P00410	244
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	1	0	8	0	933,4808	sp|P39986	sp|P39986	149
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
0	0	0	7	0	814,4953	sp|P81450	sp|P81450	5
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
1	0	0	16	0	1898,941	sp|P32843	sp|P32843	204
0	0	0	20	0	1764,727	CON__P04	CON__P04	46
1	0	0	13	0	1234,521	CON__P35	CON__P35	47
0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294

0	2	0	13	0	1302,718	sp|P28834	sp|P28834	29
0	1	0	10	0	1152,593	sp|P22855	sp|P22855	333
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	3	0	20	0	2112,162	sp|P00410	sp|P00410	177
1	0	0	8	0	997,4869	sp|P07255	sp|P07255	47
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P40341	sp|P39925	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
0	0	0	16	1	1844,891	sp|P31382	sp|P31382	467
0	0	0	14	0	1374,609	sp|P22855	sp|P22855	501
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
0	2	0	28	2	3037,312	sp|P32843	sp|P32843	608
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21
3	0	0	31	0	2382,945	CON__P04	CON__P04	519
0	1	0	10	0	999,5601	sp|P09457	sp|P09457	182
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
2	0	0	23	0	1790,72	CON__P35	CON__P35	491
1	0	0	15	0	1196,542	CON__P35	CON__P35	587
0	1	0	13	0	1528,754	sp|P32843	sp|P32843	275
0	0	0	8	0	978,4593	sp|Q99297	sp|Q99297	175
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397
1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
0	0	0	12	0	1255,685	sp|Q03028	sp|Q03028	83
2	1	0	13	0	1383,703	sp|P08525	sp|P08525	23
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
1	1	0	9	1	1048,534	sp|P30902	sp|P30902	157
1	1	0	11	2	1319,662	sp|P30902	sp|P30902	157
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
0	0	0	7	0	771,4491	sp|P40215	sp|P40215	404
0	0	0	13	1	1322,792	sp|P21801	sp|P21801	249
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
2	0	0	18	1	2249,003	sp|P13181	sp|P13181	553
1	0	0	18	0	1944,947	sp|P08067	sp|P08067	194
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
0	4	0	21	0	2084,98	CON__P02	CON__P02	262
0	1	0	16	1	1819,911	sp|P32843	sp|P32843	390
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372
0	0	0	19	0	1706,765	CON__P13	CON__P13	41
1	3	0	17	1	1845,959	sp|P36060	sp|P36060	99
0	0	0	10	1	1227,636	sp|P32843	sp|P32843	185
2	0	0	20	0	1739,698	CON__P35	CON__P35	531
1	1	0	14	0	1602,841	sp|P32368	sp|P32368	257
1	5	0	36	0	3685,848	sp|P00830	sp|P00830	335
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138

1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	2	0	13	1	1469,792	sp|P46367	sp|P46367	400
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300
0	1	0	12	0	1490,741	sp|P32843	sp|P32843	394
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
0	0	0	16	0	1319,576	CON__P35	CON__P35	46
0	1	0	16	0	1836,958	CON__P35	CON__P35	375
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
1	1	0	12	1	1425,711	sp|P13181	sp|P13181	109
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
0	1	0	18	1	1990,048	sp|P38077	sp|P38077	131
0	0	0	10	0	1123,57	sp|Q04697	sp|Q04697	156
0	0	0	14	0	1646,791	sp|P46971	sp|P46971	344
2	0	0	17	1	1867,87	sp|P00044	sp|P00044	45
1	1	0	19	0	2066,939	sp|P32563	sp|P32563	252
0	1	0	10	1	1122,676	sp|P40046	sp|P40046	15
1	2	0	9	0	1089,597	sp|Q06405	sp|Q06405	30
0	1	0	17	0	1782,926	sp|P09457	sp|P09457	121
0	1	0	7	0	799,4916	sp|P07271	sp|P07271	163
0	1	0	15	1	1676,794	sp|P40970	sp|P40970	118
0	1	0	15	0	1643,776	sp|P11491	sp|P11491	329
0	0	0	7	0	915,4814	sp|P40215	sp|P40215	456
1	0	0	10	0	1195,561	sp|P32368	sp|P32368	104
0	2	0	15	0	1631,837	sp|P05626	sp|P05626	142
0	1	0	8	0	855,5066	sp|P00410	sp|P00410	236
0	0	0	8	0	972,524	CON__P35	CON__P04	396
0	1	0	21	0	2108,138	sp|Q04013	sp|Q04013	219
1	0	0	7	0	820,4695	sp|P00128	sp|P00128	11
1	0	0	13	0	1518,761	sp|P07251	sp|P07251	498
0	1	0	11	0	1245,635	sp|Q2V2P9	sp|Q2V2P9	24
0	1	0	12	1	1401,737	sp|Q2V2P9	sp|Q2V2P9	24
0	2	0	11	0	1024,603	sp|P02994	sp|P02994	254
0	1	0	11	0	974,5549	sp|P00830	sp|P00830	186
0	0	0	19	0	2063,138	CON__P08	CON__P08	178
0	1	0	12	0	1366,746	sp|P00830	sp|P00830	128
0	1	0	16	1	1761,999	sp|P00830	sp|P00830	128
0	0	0	20	0	2282,173	CON__P00	CON__P00	78
0	0	0	12	1	1451,726	sp|P21801	sp|P21801	73
1	0	0	7	1	994,5124	CON__P13	CON__P13	178
0	1	0	15	1	1601,801	sp|P07251	sp|P07251	53
0	0	0	8	1	912,528	sp|P30902	sp|P30902	142
0	2	0	14	2	1627,886	sp|P30902	sp|P30902	142
1	0	0	23	1	2536,182	sp|P38631	sp|P38631	893
0	0	0	8	0	856,4767	sp|P50085	sp|P50085	280
0	0	0	9	0	943,5339	sp|P25379	sp|P25379	296
0	0	0	19	1	2164,2	sp|P32563	sp|P32563	334

1	0	0	20	1	2245,204	sp|P23641	sp|P23641	160
1	0	0	10	0	1248,646	sp|P36112	sp|P36112	424
0	0	0	11	0	1323,678	sp|P53721	sp|P53721	3
0	1	0	10	0	1029,582	sp|P32843	sp|P32843	831
0	0	0	15	0	1646,775	sp|Q0802	sp|Q0802	120
0	0	0	19	1	2082,063	sp|P37299	sp|P37299	59
1	1	0	21	0	2259,157	sp|P00830	sp|P00830	308
0	0	0	14	0	1607,798	sp|Q0277	sp|Q0277	422
0	3	0	12	0	1202,651	sp|Q9929	sp|Q9929	239
0	0	0	13	1	1590,811	sp|P43557	sp|P43557	148
1	0	0	11	1	1433,763	CON__P13	CON__P13	440
1	1	0	25	1	2828,427	sp|P38077	sp|P38077	195
0	0	0	18	0	1983,064	sp|P19882	sp|P19882	248
0	1	0	7	0	730,4589	sp|P07257	sp|P07257	28
1	0	0	11	1	1239,686	sp|P33775	sp|P33775	526
0	0	0	9	0	1013,612	sp|P47133	sp|P47133	283
0	0	0	13	0	1339,698	sp|P30902	sp|P30902	22
0	2	0	12	0	1189,671	sp|P18239	sp|P18239	275
0	1	0	8	0	883,5127	sp|Q1240	sp|Q1240	143
0	1	0	11	0	1177,646	sp|P46367	sp|P46367	250
0	4	0	15	1	1657,966	sp|P46367	sp|P46367	417
3	2	0	22	1	2546,233	sp|P38626	sp|P38626	209
1	0	0	7	0	864,4705	sp|Q0463	sp|Q0463	8
0	1	0	10	1	1076,598	sp|P07256	sp|P07256	241
2	1	0	18	1	1879,032	sp|P21306	sp|P21306	6
1	0	0	12	1	1426,706	sp|P21801	sp|P21801	224
0	1	0	16	1	1580,925	sp|P23641	sp|P23641	247
1	0	0	12	2	1436,701	sp|P19882	sp|P19882	415
0	2	0	20	1	2096,098	sp|P18239	sp|P18239	19
1	0	0	12	1	1469,694	sp|P21576	sp|P21576	299
1	0	0	14	1	1645,81	sp|P23641	sp|P23641	99
0	1	0	10	2	1228,708	sp|P07143	sp|P07143	299
1	1	0	14	1	1529,82	sp|P07257	sp|P07257	153
1	0	0	19	1	2073,042	sp|P08067	sp|P08067	193
1	2	0	23	2	2441,284	sp|P08067	sp|P08067	193
1	5	0	37	1	3813,943	sp|P00830	sp|P00830	334
0	0	0	7	1	996,5141	sp|P32843	sp|P32843	358
1	1	0	20	1	2195,034	sp|P32563	sp|P32563	251
0	0	0	20	2	2210,158	sp|P37299	sp|P37299	58
1	1	0	15	1	1694,775	sp|P22146	sp|P22146	193
0	0	0	19	1	2111,159	sp|P19882	sp|P19882	247
0	2	0	13	1	1317,766	sp|P18239	sp|P18239	274
0	1	0	8	2	913,5961	sp|P07257	sp|P07257	303
0	0	0	10	1	1203,598	sp|Q0272	sp|Q0272	77
0	0	0	11	1	1210,649	sp|P40086	sp|P40086	282
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235
2	3	0	13	2	1582,865	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
1	0	0	12	2	1491,721	sp|Q0272	sp|Q0272	559
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148

0	1	0	13	1	1424,726	sp|Q12029	sp|Q12029	71
0	1	0	10	1	1046,597	sp|P40215	sp|P40215	354
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
0	3	0	13	1	1399,731	sp|P05030	sp|P05030	457
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
1	3	0	16	2	1761,951	sp|P53075	sp|P53075	71
1	0	0	9	2	1193,604	CON__P35	CON__P35	273
0	0	0	7	0	806,3923	CON__P02	CON__P13	229
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	2	0	11	0	1145,645	sp|P28241	sp|P28241	210
0	1	0	22	1	2413,259	sp|P46367	sp|P46367	115
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	1	0	8	0	801,496	sp|P19414	sp|P19414	247
0	0	0	14	0	1465,72	sp|P39004	sp|P39004	305
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
0	1	0	13	0	1327,771	sp|P53206	sp|P53206	147
1	1	0	9	1	1063,603	CON__P02	CON__P13	157
0	1	0	10	0	1143,629	sp|P29704	sp|P29704	356
1	0	0	11	0	1178,539	sp|Q12324	sp|Q12324	74
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
0	1	0	16	1	1790,905	sp|P04037	sp|P04037	75
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	3	0	13	0	1371,725	sp|P37298	sp|P37298	151
0	0	0	10	0	1219,587	sp|Q2V2P4	sp|Q2V2P4	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
0	0	0	16	2	1990,985	sp|P07213	sp|P07213	311
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29
1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
0	0	0	10	0	1088,659	sp|Q04947	sp|Q04947	75
1	0	0	13	0	1489,818	sp|P33767	sp|P33767	124
0	0	0	13	0	1410,689	sp|P32368	sp|P32368	471
0	0	0	13	0	1323,613	sp|P39986	sp|P39986	955
0	1	0	20	0	2210,097	CON__P00	CON__P00	58
0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	1	0	9	0	939,5753	sp|Q04947	sp|Q04947	208
1	2	0	10	0	1065,546	sp|P33311	sp|P33311	231
1	0	0	11	0	1284,587	sp|P19882	sp|P19882	491
0	0	0	10	0	1104,541	sp|P32891	sp|P32891	371
1	0	0	14	0	1663,919	sp|Q02776	sp|Q02776	323
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
1	1	0	10	1	1233,672	CON__P13	CON__P13	236

0	0	0	9	0	981,5495	sp|P00425	sp|P00425	112
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	3	0	17	0	1910,977	sp|P00410	sp|P00410	160
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
0	1	0	14	0	1575,756	sp|P25045	sp|P25045	402
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	0	0	17	0	1871,93	sp|P39925	sp|P39925	476
0	2	0	13	0	1449,675	sp|P04037	sp|P04037	143
0	1	0	10	0	1140,662	sp|P00410	sp|P00410	204
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38
1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
1	0	0	18	0	2046,042	sp|P46367	sp|P46367	35
0	1	0	13	0	1473,758	sp|P04840	sp|P04840	212
0	1	0	9	0	970,6063	sp|P32843	sp|P32843	195
0	1	0	19	0	1991,029	sp|P36060	sp|P36060	75
0	1	0	9	0	1077,546	sp|Q03028	sp|Q03028	150
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	1	0	15	0	1622,772	sp|P38248	sp|P38248	337
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	8	1	956,5291	sp|P07256	sp|P07256	251
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	1	0	15	1	1697,858	sp|P39986	sp|P39986	321
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
2	0	0	16	0	1789,864	sp|P07143	sp|P07143	151
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	1	0	11	0	1260,671	sp|P32843	sp|P32843	566
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129
0	0	0	8	0	800,4756	sp|P38077	sp|P38077	161
0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	8	1	945,5495	sp|P47069	sp|P47069	527
0	0	0	10	0	1044,556	CON__P00	CON__P00	98
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
1	0	0	9	0	1135,599	sp|P43557	sp|P43557	79
0	0	0	12	0	1404,718	sp|Q04080	sp|Q04080	397
1	2	0	12	0	1381,713	sp|P30624	sp|P30624	489
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79
0	1	0	11	0	1190,597	sp|P39968	sp|P39968	256
0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143
1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
0	0	0	8	0	1085,587	sp|Q03713	sp|Q03713	109
2	3	0	11	0	1298,669	sp|P07251	sp|P07251	236
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
0	0	0	9	0	1075,549	sp|P32340	sp|P32340	410
1	0	0	10	0	1272,57	sp|P38077	sp|P38077	77

0	1	0	9	0	1091,58	sp|P32843	sp|P32843	660
0	1	0	11	0	1074,574	sp|P05030	sp|P05030	556
0	1	0	10	0	1082,492	sp|P18239	sp|P18239	255
0	1	0	8	0	947,511	sp|Q03028	sp|Q03028	39
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
1	1	0	11	0	1250,597	sp|P04840	sp|P04840	1
0	0	0	7	0	896,4062	CON__P35	CON__P35	234
1	1	0	14	0	1534,717	sp|P00424	sp|P00424	140
1	0	0	8	0	980,4563	sp|P32563	sp|P32563	113
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	3	0	23	1	2550,26	sp|P07257	sp|P07257	325
0	0	0	18	0	2196,967	sp|P32366	sp|P32366	164
0	0	0	18	1	1892,787	sp|Q02776	sp|Q02776	76
1	0	0	11	0	1347,61	sp|P39925	sp|P39925	102
0	0	0	12	0	1216,605	sp|P46367	sp|P46367	384
0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	1	0	9	0	1083,56	sp|Q04013	sp|Q04013	53
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	0	0	13	0	1285,651	sp|P21306	sp|P21306	50
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	14	0	1715,841	sp|P32366	sp|P32366	322
1	0	0	9	1	1151,546	CON__P04	CON__P04	268
1	0	0	10	2	1307,647	CON__P04	CON__P04	268
0	0	0	9	0	1129,515	sp|Q02776	sp|Q02776	350
1	0	0	16	0	1738,925	sp|P32843	sp|P32843	114
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P35	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
0	0	0	11	0	1308,631	sp|Q99297	sp|Q99297	109
0	0	0	8	0	870,4559	sp|P38786	sp|P38786	213
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
0	0	0	9	0	959,5288	sp|P32843	sp|P32843	577
1	0	0	8	0	1012,534	sp|P32843	sp|P32843	170
1	0	0	12	0	1453,657	sp|P14906	sp|P14906	61
1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	13	1	1397,824	sp|P07256	sp|P07256	227
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
0	0	0	11	0	1265,647	sp|P32843	sp|P32843	473
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
1	0	0	9	0	1108,504	sp|P40215	sp|P40215	206
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
0	1	0	13	0	1255,616	sp|P35723	sp|P35723	191
0	0	0	14	1	1591,832	sp|P39952	sp|P39952	157
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	12	0	1316,597	sp|P19882	sp|P19882	127

0	1	0	13	1	1472,698	sp|P19882	sp|P19882	127
0	1	0	11	0	1207,693	sp|P40086	sp|P40086	458
0	1	0	12	0	1328,632	CON__P35	CON__P35	425
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	0	0	12	1	1390,699	sp|P54783	sp|P54783	14
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
1	0	0	7	0	945,4452	sp|Q0277	sp|Q0277	405
1	1	0	9	0	1152,531	sp|P39004	sp|P39004	228
0	2	0	11	0	1111,635	sp|P07251	sp|P07251	400
0	1	0	12	0	1391,682	sp|P30902	sp|P30902	130
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	0	0	24	0	2537,265	sp|P00830	sp|P00830	149
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
1	0	0	19	1	2285,123	sp|Q0288	sp|Q0288	2
0	0	0	9	0	1005,524	sp|P00128	sp|P00128	2
0	1	0	14	0	1415,726	sp|Q0401	sp|Q0401	2
0	2	0	19	0	1900,015	sp|P38077	sp|P38077	293
2	1	0	14	0	1710,815	sp|P00424	sp|P00424	70
1	0	0	9	0	1120,576	CON__P35	CON__P35	328
1	1	0	10	0	1195,624	sp|P04710	sp|P04710	160
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
0	2	0	20	1	2152,164	sp|P33775	sp|P33775	23
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
0	0	0	9	0	1057,515	sp|P40961	sp|P40961	189
0	1	0	16	0	1655,873	sp|P19882	sp|P19882	475
0	0	0	9	0	1014,571	sp|P35723	sp|P35723	170
0	0	0	15	0	1715,844	CON__P04	CON__P04	418
0	0	0	13	1	1566,841	sp|P00424	sp|P00424	57
0	1	0	10	1	1151,63	sp|P05626	sp|P05626	177
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
0	2	0	8	0	883,5491	sp|P02994	sp|P02994	147
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	1	0	10	0	1219,645	sp|P30902	sp|P30902	89
2	2	0	31	0	3410,711	sp|P07251	sp|P07251	467
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	0	0	12	0	1436,639	sp|P25045	sp|P25045	547
0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
0	1	0	11	0	1200,61	CON__P13	CON__P13	246
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66
0	1	0	10	0	1189,601	CON__P35	CON__P35	262
0	1	0	18	0	2037,009	sp|P32191	sp|P32191	379
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
0	0	0	13	0	1667,794	sp|P54783	sp|P54783	211
1	0	0	8	0	1026,502		REV__sp|P46949|FYV	
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
0	4	0	23	1	2492,335	sp|P25045	sp|P25045	228
2	0	0	19	2	2405,104	sp|P13181	sp|P13181	552

0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q0640	sp|Q0640	29
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	1	0	10	1	1126,707	sp|P32843	sp|P32843	194
1	1	0	13	1	1573,764	sp|P22855	sp|P22855	867
0	1	0	14	2	1530,852	sp|P00424	sp|P00424	84
1	1	0	19	1	2345,176	sp|P30902	sp|P30902	42
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
1	0	0	15	2	1758,806	sp|P07213	sp|P07213	293
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
0	3	0	17	1	1718,979	sp|P07251	sp|P07251	127
1	1	0	10	1	1209,574	sp|P53721	sp|P53721	207
0	0	0	10	1	1102,577	sp|P30902	sp|P30902	6
1	0	0	9	0	1006,508	sp|P38631	sp|P38631	930
1	1	0	30	0	3118,488	sp|P46367	sp|P46367	434
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	0	0	13	1	1540,789	sp|P07257	sp|P07257	141
0	0	0	11	1	1157,666	sp|P50085	sp|P50085	251
1	1	0	17	0	1980,998	sp|P32563	sp|P32563	11
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	2	0	16	0	1593,779	sp|Q0401	sp|Q0401	145
0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
2	1	0	15	0	1833,842	sp|P32843	sp|P32843	71
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
0	1	0	17	0	1646,888	sp|P39986	sp|P39986	355
0	0	0	8	1	1042,403	sp|P07256	sp|P07256	450
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	0	0	7	0	832,4291	CON__P02	CON__P02	329
0	0	0	7	0	846,4447	CON__P13	CON__P13	363
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
0	1	0	11	0	1146,504	sp|P32843	sp|P32843	672
0	0	0	21	0	1977,958	sp|Q0277	sp|Q0277	372
0	0	0	11	0	1230,584	sp|P40086	sp|P40086	221
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
0	0	0	19	0	2042,053	sp|P32366	sp|P32366	220
1	0	0	8	0	1003,545	sp|P21801	sp|P21801	146
0	1	0	22	0	1837,907	CON__P35	CON__P35	71
0	1	0	15	0	1660,878	sp|P40961	sp|P40961	131
0	2	0	7	0	798,46	sp|P40215	sp|P40215	165
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
1	0	0	12	1	1390,673	CON__P35	CON__P35	369
1	0	0	19	1	2211,091	CON__P13	CON__P13	344
0	0	0	11	1	1282,598	sp|P32799	sp|P32799	103
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	0	0	13	0	1366,721	sp|P54783	sp|P54783	335
0	1	0	12	0	1301,708	CON__P04	CON__P04	344
0	2	0	13	2	1495,897	sp|P09457	sp|P09457	169

0	0	0	14	0	1261,59	CON__P13	CON__P13	451
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	0	0	11	0	1077,618	sp|Q0640	sp|Q0640	39
0	0	0	19	0	2117,056	sp|P0083	sp|P0083	416
0	1	0	24	1	2715,4	sp|P0083	sp|P0083	416
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	11	0	1324,674	sp|P0725	sp|P0725	511
0	0	0	13	1	1581,811	sp|P0725	sp|P0725	511
1	0	0	8	0	949,4617	sp|P2285	sp|P2285	1002
0	2	0	18	0	1979,084	CON__P02	CON__P02	69
0	0	0	7	0	819,3875	sp|P5008	sp|P5008	4
0	1	0	13	1	1430,777	sp|P4636	sp|P4636	295
1	1	0	10	0	1119,556	sp|P0484	sp|P0484	2
1	2	0	32	0	3240,54	sp|P0484	sp|P0484	133
0	2	0	16	0	1802,869	sp|Q0379	sp|Q0379	135
2	0	0	11	0	1350,609	sp|P2130	sp|P2130	39
1	0	0	11	0	1364,632	CON__P13	CON__P13	323
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
1	1	0	9	2	1164,625	sp|P5008	sp|P5008	262
0	0	0	12	1	1222,594	sp|P4636	sp|P4636	154
0	1	0	15	0	1437,674	sp|P3234	sp|P3234	27
0	0	0	16	0	1551,735	sp|P2364	sp|P2364	296
0	0	0	9	0	1064,492	CON__P35	CON__P35	155
0	1	0	13	0	1520,809	sp|P5478	sp|P5478	198
0	2	0	17	0	1897,957	sp|P0725	sp|P0725	248
0	2	0	21	0	2173,065	sp|P0806	sp|P0806	73
0	1	0	11	0	1283,564	sp|P0503	sp|P0503	899
0	2	0	11	0	1193,64	sp|P0725	sp|P0725	178
1	2	0	12	0	1426,701	sp|P1490	sp|P1490	167
0	2	0	18	2	1793,989	sp|Q0817	sp|Q0817	63
2	1	0	19	0	1922,927	sp|P0806	sp|P0806	54
1	1	0	9	0	1125,52	sp|P1318	sp|P1318	234
1	0	0	12	0	1283,588	sp|P3862	sp|P3862	91
0	1	0	11	0	1207,609	CON__P35	CON__P35	282
0	1	0	12	1	1335,703	CON__P35	CON__P35	282
0	1	0	10	0	1115,582	sp|P5320	sp|P5320	96
1	1	0	14	0	1465,766	sp|P4636	sp|P4636	216
0	1	0	17	1	1866	sp|P0725	sp|P0725	112
0	1	0	17	0	1589,79	sp|Q0494	sp|Q0494	219
0	1	0	20	0	1979,032	sp|P0403	sp|P0403	33
0	1	0	12	0	1393,699	sp|P1823	sp|P1823	77
0	1	0	13	1	1441,825	sp|P0725	sp|P0725	213
0	2	0	11	0	1273,64	sp|P0727	sp|P0727	588
1	1	0	16	0	1565,732	sp|P2364	sp|P2364	220
0	1	0	11	0	1236,554	sp|P3869	sp|P3869	130
0	1	0	11	0	1230,657	sp|P2130	sp|P2130	28
1	2	0	23	0	2414,187	sp|P4021	sp|P4021	364
0	0	0	7	0	786,4137	sp|P3729	sp|P3729	11
0	3	0	16	0	1562,878	sp|P0725	sp|P0725	128
1	1	0	16	0	1713,759	sp|P3611	sp|P3611	470

1	2	0	16	0	1767,92	sp|P32368	sp|P32368	2
2	0	0	11	0	1295,578	sp|P47154	sp|P47154	388
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49
0	1	0	13	0	1447,767	sp|P19414	sp|P19414	409
1	0	0	10	0	1007,54	sp|Q00711	sp|Q00711	243
1	0	0	13	1	1528,691	sp|P40341	sp|P40341	140
0	0	0	15	1	1741,812	sp|P32386	sp|P32386	447
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	0	0	13	1	1587,799	sp|Q03713	sp|Q03713	135
0	2	0	10	0	1244,667	sp|P32799	sp|P32799	114
1	0	0	9	0	1095,483	sp|P50085	sp|P50085	140
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
0	0	0	11	0	1168,601	sp|P32843	sp|P32843	335
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	2	0	16	0	1628,95	sp|P40215	sp|P40215	114
0	0	0	9	1	1176,596	sp|P00424	sp|P00424	123
0	1	0	11	0	1264,63	CON__P04	CON__P04	278
0	1	0	12	1	1392,725	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	1	0	14	0	1699,747	sp|P32891	sp|P32891	505
0	1	0	25	1	2767,272	sp|P08067	sp|P08067	122
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	1	0	18	2	2046,961	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
0	0	0	11	0	1357,564	sp|Q04947	sp|Q04947	186
0	0	0	9	0	1094,524	sp|P40215	sp|P40215	482
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
0	1	0	10	0	1090,526	sp|Q00711	sp|Q00711	521
1	0	0	9	1	1122,542	sp|P00830	sp|P00830	224
1	0	0	9	1	1051,566	sp|P32843	sp|P32843	822
1	0	0	17	0	1866	sp|P32386	sp|P32386	736
0	2	0	13	0	1523,736	sp|Q03798	sp|Q03798	89
1	0	0	15	0	1626,835	sp|P32563	sp|P32563	290
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
1	2	0	19	0	2293,014	sp|P05030	sp|P05030	483
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197
0	2	0	14	0	1535,758	sp|P33311	sp|P33311	319
0	0	0	11	0	1245,635	sp|P32915	sp|P32915	379
1	0	0	15	0	1632,632	sp|P05374	sp|P05374	318
1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	10	1	1230,609	sp|P53721	sp|P53721	194
0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264
0	3	0	13	0	1390,761	sp|P14020	sp|P14020	200
2	2	0	20	0	2137,149	sp|P40961	sp|P40961	14
1	1	0	13	0	1452,798	sp|P00830	sp|P00830	265

0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
1	3	0	10	0	1060,592	sp|P30624	sp|P30624	2
2	2	0	19	0	2088,928	sp|P36147	sp|P36147	154
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
0	1	0	9	0	954,5862	sp|P40961	sp|P40961	233
0	1	0	7	0	758,4287	sp|P33311	sp|P33311	224
0	1	0	22	0	2427,101	sp|P46367	sp|P46367	353
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
0	3	0	13	1	1287,667	sp|P19882	sp|P19882	403
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
1	1	0	12	0	1376,719	sp|Q0277(	sp|Q0277(	289
0	3	0	17	0	1867,042	sp|P50085	sp|P50085	288
0	3	0	17	0	1846,111	sp|Q1202(	sp|Q1202(	239
1	1	0	18	0	2067,111	sp|P38694	sp|P38694	159
0	2	0	10	0	969,5607	sp|P07251	sp|P07251	68
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447
0	3	0	14	0	1365,762	sp|P00830	sp|P00830	109
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	2	0	7	0	806,4538	sp|P05626	sp|P05626	157
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	4	0	15	0	1599,851	sp|P32368	sp|P32368	40
0	2	0	11	0	1167,686	sp|P40961	sp|P40961	120
0	3	0	11	0	1209,733	sp|P50085	sp|P50085	149
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
1	3	0	15	1	1755,004	sp|P50085	sp|P50085	125
1	3	0	27	0	3047,487	CON__P35	CON__P35	321
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
0	1	0	11	0	1340,571	sp|P32191	sp|P32191	621
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
1	1	0	13	0	1479,747	sp|P34224	sp|P34224	96
0	1	0	14	0	1585,758	CON__P35	CON__P35	171
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407
0	1	0	13	0	1296,704	sp|P38631	sp|P38631	1070
0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237
0	2	0	9	0	959,5036	sp|P05626	sp|P05626	123
0	1	0	7	0	801,4596	sp|P07257	sp|P07257	167
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	4	0	15	0	1614,847	sp|P36112	sp|P36112	492
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	3	0	12	0	1271,636	sp|P05030	sp|P05030	458
0	1	0	9	0	1089,524	CON__P02	CON__P13	148

0	2	0	17	0	1859,915	sp|P46964	sp|P46964	12
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
0	2	0	10	0	1015,549	sp|P11491	sp|P11491	206
0	4	0	10	0	1124,619	sp|P32795	sp|P32795	442
0	2	0	12	0	1200,635	sp|P07560	sp|P07560	141
1	1	0	9	1	1134,546	sp|P30902	sp|P30902	159
0	1	0	15	0	1790,815	sp|P00424	sp|P00424	38
1	0	0	17	0	2056,001	sp|P00854	sp|P00854	68
1	0	0	8	0	981,492	sp|P00401	sp|P00401	5
0	0	0	9	0	1120,555	sp|P36112	sp|P36112	434
0	1	0	9	1	1129,64	sp|P08067	sp|P08067	111
0	2	0	15	0	1650,764	sp|P19414	sp|P19414	654
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
2	0	0	11	1	1283,676	sp|P16622	sp|P16622	137
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	11	0	1314,591	sp|P25379	sp|P25379	27
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
1	2	0	16	0	1783,885	sp|P38631	sp|P38631	1139
2	1	0	16	1	2079,943	sp|P00427	sp|P00427	56
1	1	0	8	0	992,4927	CON__P13	CON__P13	238
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
1	3	0	15	0	1751,898	sp|P54783	sp|P54783	26
1	0	0	18	0	1888,918	sp|P14906	sp|P14906	195
1	1	0	19	0	2018,047	sp|P32843	sp|P32843	221
2	1	0	10	0	1250,702	CON__P02	CON__P02	25
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
1	0	0	8	1	1026,502	sp|P40086	sp|P40086	141
2	1	0	10	1	1314,609	sp|P00427	sp|P00427	113
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
2	1	0	14	1	1759,867	sp|P40215	sp|P40215	330
1	0	0	9	0	1066,57	sp|P32191	sp|P32191	574
1	0	0	10	0	1220,604	sp|P35723	sp|P35723	131
1	2	0	12	0	1354,699	sp|P02994	sp|P02994	85
2	0	0	7	0	927,4814	sp|P38077	sp|P38077	284
3	0	0	9	0	1298,506	sp|P32191	sp|P32191	583
1	0	0	7	0	867,3974	sp|P13181	sp|P13181	38
1	0	0	10	0	1066,53	sp|P49573	sp|P49573	191

1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	18	1	1891,964	sp|P46367	sp|P46367	378
1	1	0	10	0	1225,576	sp|P19073	sp|P19073	154
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
1	3	0	21	1	2264,111	sp|P38264	sp|P38264	65
2	0	0	11	0	1412,611	sp|P32368	sp|P32368	484
2	0	0	12	0	1506,628	sp|P32843	sp|P32843	346

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity D
306	yes	yes	2	0,000862	56,708	1	236200	236200
28	yes	yes	2	0,021854	50,632	1	11378000	11378000
250	yes	yes	2	1,09E-05	134,25	1	11605000	11605000
233	yes	yes	2	0,012718	73,616	1	1037200	1037200
70	yes	yes	2	5,17E-06	125,23	1	1401500	1401500
276	yes	yes	2	0,001915	82,831	1	686680	686680
182	yes	yes	2	0,017489	41,482	1	6623000	6623000
184	yes	yes	3	0,012172	34,928	1	521070	521070
753	yes	yes	2;3	7,23E-11	119,66	2	0	0
271	yes	yes	2	0,018674	54,486	1	435650	435650
443	yes	yes	2	0,017489	50,077	1	0	0
454	yes	yes	2	0,030597	26,742	1	166810	166810
676	yes	yes	2	0,025549	45,081	1	0	0
376	yes	yes	2	5,64E-05	118,28	1	1149100	1149100
228	yes	yes	2	4,35E-07	122,52	1	3390700	3390700
207	yes	yes	2	0,003568	68,132	1	203690	203690
113	yes	yes	3	0,000174	57,806	1	0	0
108	yes	yes	2	0,030142	38,995	1	291990	291990
504	yes	yes	2	3,87E-07	124,48	1	657960	657960
62	yes	yes	2	0,000288	72,207	1	659690	659690
23	yes	yes	2	0,000729	65,467	1	380950	380950
91	yes	yes	3	0,030227	32,415	1	4905000	4905000
223	yes	yes	2;3	4,01E-10	141,65	2	28467000	28467000
90	yes	yes	4	0,014126	41,383	1	2020300	2020300
515	yes	yes	2	9,92E-13	177,44	1	2915000	2915000
325	yes	yes	2	0,000104	128,61	1	507750	507750
451	yes	yes	2	0,002486	69,261	1	277830	277830
127	yes	yes	2	0,002204	89,698	1	1652200	1652200
72	yes	yes	2	0,017089	57,177	1	2380000	2380000
186	yes	yes	2	2,07E-06	153,15	1	1418900	1418900
343	yes	no	2	0,020921	49,358	1	0	0
65	yes	yes	3	0,022106	27,714	1	383380	383380
61	yes	yes	2;3;4	0,000423	67,646	3	65586000	65586000
248	yes	yes	2;3	0,004	61,265	2	585930	585930
146	no	no	2	0,000669	80,96	1	574110	574110
177	yes	no	2	8,94E-13	173,76	1	5675400	5675400
167	yes	yes	2;3	0,000707	104,82	2	1453600	1453600
65	yes	yes	2	4,35E-06	108,66	1	228400	228400
104	yes	yes	3	0,000632	80,245	1	1671200	1671200
119	yes	yes	2	0,009707	52,299	1	0	0
103	yes	yes	3	0,033044	26,591	1	348080	348080
141	yes	yes	2	3,19E-07	127,3	1	3877000	3877000
142	yes	yes	2;3	9,36E-07	122,78	2	14358000	14358000
525	yes	yes	2	0,031021	44,349	1	71483	71483
65	yes	yes	2;3	0,001359	58,164	2	32727000	32727000
510	yes	yes	2;3	1,07E-16	169,06	2	10628000	10628000
306	yes	yes	2	0,021231	51,059	1	180420	180420
307	yes	yes	2	0,034709	58,433	1	404580	404580
176	yes	yes	2	0,005447	102,98	1	35512000	35512000

262	yes	yes		2	0,000172	77,42	1	3212600	3212600
184	yes	yes		2	0,001888	64,798	1	501460	501460
55	yes	yes		2	0,02115	42,947	1	824810	824810
115	yes	yes	2;3		6,99E-06	86,213	2	2519300	2519300
62	yes	yes		2	7,63E-05	108,56	1	308990	308990
165	yes	yes		2	2,16E-05	104,9	1	2781100	2781100
352	yes	yes		2	0,005402	70,552	1	214640	214640
368	no	no		2	0,00016	117,02	1	2580900	2580900
184	yes	yes		2	0,0099	85,265	1	533420	533420
205	yes	yes		2	1,00E-22	209,85	1	5066700	5066700
225	yes	yes		3	0,01489	46,797	1	660970	660970
69	yes	yes		2	0,011076	50,897	1	343740	343740
113	yes	yes		2	0,000614	74,789	1	285780	285780
198	yes	yes		2	0,000285	109,66	1	58711000	58711000
204	yes	yes		2	0,00224	62,035	1	318090	318090
194	yes	yes		2	5,49E-07	152,63	1	14280000	14280000
502	yes	yes	3;4		2,88E-06	83,317	2	0	0
174	yes	yes	2;3		4,56E-25	208,79	2	5066600	5066600
279	yes	yes	2;3		1,41E-25	197,05	2	5025300	5025300
189	yes	yes		2	0,005131	61,344	1	250950	250950
132	yes	yes		3	0,007133	52,579	1	0	0
10	yes	yes	2;3		0,005848	68,557	2	3314100	3314100
374	yes	yes		3	0,000501	65,374	1	389510	389510
343	yes	no		2	7,62E-07	140,11	1	1011500	1011500
182	yes	yes		2	1,10E-24	207,08	1	26240000	26240000
115	yes	yes	2;3		5,36E-06	95,067	2	15194000	15194000
40	yes	yes		3	0,000521	83,758	1	4424000	4424000
149	yes	yes		2	0,000271	79,283	1	860900	860900
61	yes	yes		2	2,87E-06	132,03	1	25695000	25695000
170	yes	yes		2	1,28E-12	170,18	1	1152300	1152300
120	yes	yes	2;3		0,019168	48,981	2	711720	711720
53	yes	yes	2;3		0,000124	117,81	2	17606000	17606000
41	yes	yes		2	4,56E-08	149,33	1	3183700	3183700
59	yes	yes		2	0,005637	60,255	1	0	0
368	yes	yes		3	0,013456	35,552	1	742580	742580
356	yes	yes		2	3,11E-06	95,9	1	453300	453300
116	yes	yes		2	0,000324	104,59	1	1126600	1126600
118	yes	yes		3	0,031551	31,664	1	449160	449160
126	yes	yes		2	0,001739	69,598	2	0	0
111	yes	yes		2	0,018512	62,464	1	156560	156560
23	yes	yes		2	0,000483	97,813	1	0	0
266	yes	yes	2;3		0,000101	62,781	2	0	0
308	yes	yes		2	0,032427	37,144	1	177600	177600
124	yes	yes		2	3,90E-08	147,28	1	0	0
129	yes	yes		2	3,33E-07	126,71	1	579830	579830
141	yes	yes		3	3,26E-05	73,809	1	5767700	5767700
322	yes	yes		2	0,002291	78,342	1	4983500	4983500
145	yes	yes		2	0,002826	57,434	1	909000	909000
352	yes	yes		2	0,00691	68,371	1	0	0
302	yes	yes		2	2,29E-09	156,52	1	6166000	6166000

303	yes	yes	2;3		0,000104	103,11	2	13446000	13446000
296	yes	yes		2	0,017177	55,094	1	176550	176550
70	yes	yes		3	6,90E-10	125,39	1	5163200	5163200
160	yes	yes		2	0,00676	55,196	1	109630	109630
174	yes	yes		2	0,007782	106,88	1	0	0
156	yes	yes	2;3		1,01E-16	161,24	2	8020100	8020100
96	yes	yes	3;4		9,13E-05	81,789	2	2296500	2296500
426	yes	yes	2;3		0,000757	95,094	2	1249400	1249400
42	yes	yes		2	1,60E-06	115,83	1	389680	389680
335	yes	yes		2	1,73E-12	166,04	1	6664500	6664500
476	yes	yes		2	0,001618	79,201	1	0	0
53	yes	yes		2	0,005565	76,478	1	0	0
410	yes	yes		3	0,03489	44,968	1	0	0
298	yes	yes		2	0,014812	49,418	1	0	0
274	yes	yes		2	2,33E-08	109,66	1	0	0
165	yes	yes		3	0,024678	39,785	1	96175	96175
266	yes	yes	2;3		6,80E-08	114,52	2	4972600	4972600
267	yes	yes		3	0,021623	27,43	1	438620	438620
145	yes	yes		3	0,024886	33,761	1	544740	544740
285	yes	yes		2	0,01729	42,21	1	0	0
102	yes	yes		2	3,29E-06	140,09	1	0	0
235	yes	yes		2	7,10E-07	139,76	1	411470	411470
472	no	no		2	0,005398	61,593	1	0	0
476	no	no		2	0,00064	101,65	1	0	0
302	yes	yes		2	0,020813	51,346	1	196540	196540
303	yes	yes	2;3		1,59E-05	138,4	2	2193800	2193800
244	yes	yes		4	0,033778	0,74431	1	618250	618250
506	yes	yes		2	0,001444	74,611	1	200470	200470
620	yes	yes		2	0,027034	44,847	1	424190	424190
111	yes	yes		2	0,009279	43,955	1	417690	417690
341	yes	yes	2;3		1,83E-06	118,76	2	51610000	51610000
179	yes	yes		2	9,17E-08	112,67	1	1028500	1028500
71	yes	yes		2	4,16E-07	123,28	1	593690	593690
45	yes	yes		2	0,000455	120,46	1	5359700	5359700
82	yes	yes		2	0,010571	63,565	1	118690	118690
102	yes	yes		2	0,005126	54,09	1	0	0
99	yes	yes		2	2,33E-12	171,32	1	12432000	12432000
232	yes	yes		2	0,03109	47,743	1	8318500	8318500
68	yes	yes		2	1,55E-05	88,311	1	1496900	1496900
235	yes	yes		3	0,004458	41,513	1	0	0
53	yes	yes		2	0,015708	52,49	1	512320	512320
472	yes	yes		3	0,000212	63,044	1	461340	461340
251	yes	yes		2	0,001835	92,538	1	2871500	2871500
181	yes	yes		3	0,011004	35,091	1	697320	697320
251	yes	yes		2	0,026181	48,981	1	218910	218910
127	yes	yes	2;3		0,001168	77,894	2	5854100	5854100
54	yes	yes	2;3		0,004085	62,633	2	2434400	2434400
535	yes	yes		3	0,01296	44,925	1	590220	590220
208	yes	yes		2	0,014121	67,981	1	22999000	22999000
114	yes	yes		2	0,000137	115,23	1	8217700	8217700

141	yes	yes	3;4		0,00016	58,802	2	3982900	3982900
345	yes	yes		2	0,005133	63,216	1	0	0
659	yes	yes		2	0,025316	36,928	1	915160	915160
155	yes	yes		2	0,032869	43,083	1	359470	359470
308	yes	yes		2	5,12E-05	89,26	1	402920	402920
511	yes	yes		2	0,000132	78,401	1	0	0
454	yes	yes		2	0,005597	52,365	1	259020	259020
289	yes	yes		2	0,024564	41,088	1	0	0
198	yes	yes		2	1,26E-07	112,57	1	460940	460940
199	yes	yes	2;3		6,97E-16	162,26	2	15515000	15515000
510	yes	yes		2	0,011643	54,772	1	0	0
196	yes	yes		2	0,020093	48,998	1	214650	214650
437	yes	yes		2	0,018742	41,743	1	0	0
79	yes	yes		2	0,000344	107,45	1	8321200	8321200
184	yes	yes		2	0,00533	53,869	1	0	0
38	yes	yes		2	1,84E-10	123,55	1	0	0
635	yes	yes		2	0,008078	49,537	1	186650	186650
113	yes	yes		2	0,009585	67,897	1	4423600	4423600
247	yes	yes		2	9,21E-23	210,93	1	35614000	35614000
452	yes	yes		2	4,78E-35	238,05	2	35731000	35731000
180	yes	yes		2	7,87E-05	83,087	1	240760	240760
177	yes	yes		2	0,003022	56,569	1	298520	298520
242	yes	yes		2	0,000528	66,893	1	284590	284590
105	yes	yes		2	0,005519	70,028	1	340050	340050
42	yes	yes		3	6,03E-09	105,9	1	0	0
61	yes	yes		2	5,63E-28	216,26	1	0	0
290	yes	yes		2	0,017609	50,484	1	178510	178510
209	yes	yes		2	0,001081	62,357	1	232660	232660
240	yes	yes		2	8,91E-09	151,98	1	13793000	13793000
112	yes	yes		2	5,09E-10	150,26	1	8388300	8388300
230	yes	yes		2	0,002441	104,44	1	7624900	7624900
232	yes	yes		3	0,033537	29,743	1	1985500	1985500
242	yes	yes		2	1,78E-15	142,72	1	496270	496270
99	yes	yes	2;3		0,003646	63,816	2	1635400	1635400
247	yes	yes		2	1,93E-10	140,82	1	18257000	18257000
154	yes	yes		2	9,87E-06	115,92	1	682220	682220
42	yes	yes	2;3		0,033597	75,566	2	0	0
211	no	no		2	8,59E-18	199,4	1	5942200	5942200
251	yes	yes		2	1,28E-06	141,2	1	1389300	1389300
463	yes	yes		2	0,011598	43,261	1	38548000	38548000
156	yes	yes		2	0,012494	57,047	1	205370	205370
62	yes	yes		2	1,48E-07	143,03	1	12887000	12887000
368	yes	yes		2	1,57E-05	82,877	1	5451900	5451900
11	yes	yes		2	0,00366	108,98	1	978160	978160
57	yes	yes		2	0,003117	110,81	1	6418200	6418200
219	yes	yes		2	2,15E-07	107,5	1	769010	769010
65	yes	yes		2	0,00521	49,188	1	88568	88568
59	yes	yes		2	0,001498	70,68	1	1349400	1349400
290	yes	yes		2	3,37E-06	121,21	1	1612300	1612300
307	yes	yes		2	7,01E-32	236,05	1	57011000	57011000

41	yes	yes		2	0,000369	77,644	1	569950	569950
342	yes	yes		2	1,84E-05	120,27	1	376630	376630
213	yes	yes		2	1,46E-10	154,1	1	27311000	27311000
196	yes	yes	2;3		1,05E-05	79,837	2	1349700	1349700
54	yes	yes		2	0,00126	112,41	1	3977500	3977500
132	yes	yes		2	3,17E-17	159,2	1	0	0
394	no	no		2	0,000289	93,839	1	963690	963690
504	yes	yes		2	0,003086	74,841	1	1846500	1846500
294	yes	no		2	0,000117	127,12	1	10021000	10021000
482	yes	yes		3	0,029091	25,945	1	318580	318580
514	yes	yes		2	0,001894	59,225	1	0	0
153	yes	yes		2	0,001159	80,245	1	1046700	1046700
635	yes	yes		4	0,029288	18,864	1	512650	512650
230	yes	yes		2	2,85E-06	124,21	1	2663900	2663900
204	yes	yes		2	1,43E-05	110,08	1	6604800	6604800
34	no	no		2	2,16E-07	122,97	1	1199700	1199700
549	yes	yes		2	0,000138	63,427	1	410320	410320
191	yes	yes		2	0,000518	100,88	1	6824300	6824300
619	yes	yes		3	0,003218	40,351	1	322750	322750
513	yes	yes		2	0,000199	65,207	1	598610	598610
601	yes	yes		2	0,003339	56,29	1	760570	760570
287	yes	yes		3	0,002208	65,043	1	685520	685520
182	yes	yes		2	0,015175	51,346	1	0	0
410	yes	yes	2;3		7,55E-08	130,15	2	25502000	25502000
387	yes	yes	2;3		3,50E-06	96,208	2	69730000	69730000
94	yes	yes		2	0,000334	88,101	1	0	0
35	yes	yes		2	0,015142	49,243	1	413170	413170
322	yes	yes	2;3		2,85E-12	166,62	2	12937000	12937000
165	yes	yes	2;3		0,007053	76,282	2	2684900	2684900
167	yes	yes		3	0,000408	92,112	1	4771000	4771000
126	yes	yes	2;3		0,00037	91,093	2	11727000	11727000
410	yes	yes		2	0,028693	49,358	1	1418200	1418200
261	yes	yes		3	0,034859	24,696	1	670770	670770
107	yes	no		2	0,010187	65,252	1	1538000	1538000
117	yes	yes	2;3		4,52E-25	184,97	2	0	0
46	yes	yes		2	9,13E-07	98,169	1	580440	580440
570	yes	yes		3	0,019339	29,723	1	445350	445350
211	yes	yes		2	0,003928	53,453	1	397230	397230
163	yes	yes	1;2		0,006278	83,206	2	14157000	14157000
282	yes	no		2	0,000243	64,522	1	0	0
405	yes	yes		3	0,03489	44,968	1	0	0
384	yes	yes		2	3,08E-07	127,78	1	1480100	1480100
59	yes	yes		2	7,19E-05	76,573	1	1405100	1405100
115	yes	yes		3	0,009781	39,91	1	410750	410750
194	yes	yes		2	0,024685	63,426	1	391570	391570
550	yes	yes		2	0,009046	42,348	1	199790	199790
270	yes	yes		2	0,018286	45,207	1	374080	374080
370	yes	yes	3;4		1,45E-11	103,14	2	6832000	6832000
62	yes	yes		2	0,024532	40,278	1	304270	304270
149	yes	yes		2	0,000747	78,324	1	20631000	20631000

315	yes	yes	2;3		1,13E-05	77,554	2	0	0
316	yes	yes		3	0,001004	54,953	1	0	0
55	yes	yes	2;3		2,26E-09	122,63	2	3185300	3185300
67	yes	yes		2	4,81E-07	120,6	1	69432000	69432000
548	yes	yes		2	0,001205	60,489	1	179810	179810
412	yes	yes		3	0,003947	55,261	1	543760	543760
310	yes	yes		2	9,92E-13	177,44	1	60821000	60821000
405	yes	yes		3	0,000207	91,123	1	0	0
226	yes	yes		2	1,69E-12	174,23	1	5151900	5151900
61	yes	yes		3	7,76E-06	93,228	1	847850	847850
390	yes	yes		3	1,91E-05	84,508	1	570630	570630
285	yes	yes		2	6,02E-05	115,29	1	1640200	1640200
120	yes	yes	3;4		0,017532	40,727	2	608270	608270
146	yes	yes	2;3		3,71E-10	137,27	2	14937000	14937000
148	yes	yes		3	4,74E-08	110,34	1	3309500	3309500
165	yes	yes		2	0,008983	54,259	1	0	0
357	yes	yes		4	0,009318	45,992	1	486310	486310
61	yes	yes		3	0,008311	42,095	1	304840	304840
270	yes	yes		2	1,56E-10	129,98	1	466170	466170
24	yes	yes		3	0,003018	66,27	1	170370	170370
38	yes	yes	2;3		0,000469	110,41	2	19112000	19112000
137	yes	yes	2;3		5,75E-13	154,81	2	14838000	14838000
169	yes	no		2	0,014663	65,803	1	3307400	3307400
132	yes	yes		3	0,00333	54,276	1	391090	391090
343	yes	yes		4	0,029673	24,929	1	138350	138350
462	yes	yes		2	0,005035	104,37	1	753280	753280
113	yes	yes		2	0,035596	40,015	1	349250	349250
156	yes	yes		2	2,22E-08	136,63	1	16584000	16584000
243	yes	yes		2	0,010376	64,42	1	2555400	2555400
403	no	no		2	1,93E-05	138,4	1	1478600	1478600
239	yes	yes		2	9,73E-12	127,07	1	661900	661900
17	yes	yes		2	0,013296	71,296	1	1700800	1700800
510	yes	yes		2	6,71E-10	146,79	2	44975000	44975000
34	yes	yes		2	9,18E-08	140,24	1	2155300	2155300
35	yes	yes		3	0,016447	41,689	1	629360	629360
264	yes	yes		2	0,032788	36,417	1	767220	767220
196	yes	yes		2	0,005949	57,785	1	52170000	52170000
196	yes	yes	2;3		0,006529	48,288	2	269060	269060
139	yes	yes		2	4,30E-09	152,38	1	64668000	64668000
143	yes	yes	2;3		3,53E-13	159,64	2	32942000	32942000
97	yes	yes		3	0,005511	40,968	1	0	0
84	yes	yes	2;3		0,001031	74,78	2	1328200	1328200
184	yes	no		3	0,011703	55,37	1	1615600	1615600
67	yes	yes	2;3		1,85E-05	93,716	2	47260000	47260000
149	yes	yes		2	0,020081	58,433	1	8608800	8608800
155	yes	yes		3	0,007931	49,149	1	0	0
915	yes	yes		3	0,013152	30,19	1	192130	192130
287	yes	yes		2	0,008792	71,379	1	3105400	3105400
304	yes	yes		2	0,025438	46,001	1	186240	186240
352	yes	yes		3	0,000151	71,354	1	618970	618970

179	yes	yes		3	0,00018	67,928	1	3727300	3727300
433	yes	yes		2	0,013877	45,908	1	0	0
13	yes	yes	2;3		0,000259	98,898	2	6587400	6587400
840	yes	yes		2	0,003058	74,962	1	386840	386840
134	yes	yes		2	8,51E-05	81,632	1	161710	161710
77	yes	yes		3	6,09E-06	85,493	1	2339500	2339500
328	yes	yes	2;3		7,66E-22	181,54	2	0	0
435	yes	yes		2	8,83E-06	105,14	1	0	0
250	yes	yes		2	0,007293	55,776	1	514810	514810
160	yes	yes		4	0,005657	53,034	1	353030	353030
450	yes	yes		3	0,00028	94,465	1	1150300	1150300
219	yes	yes		3	9,96E-05	64,422	1	17657000	17657000
265	yes	yes		2	0,000541	66,606	1	814780	814780
34	yes	yes		2	0,015284	63,306	1	5517300	5517300
536	yes	yes		3	0,016001	44,847	1	140150	140150
291	yes	yes		2	0,007986	58,981	1	2476200	2476200
34	yes	yes		2	7,29E-14	172,58	1	17899000	17899000
286	yes	yes		2	4,02E-09	152,96	1	28678000	28678000
150	yes	yes		2	0,008764	71,501	1	473260	473260
260	yes	yes	2;3		0,000801	87,667	2	1389000	1389000
431	yes	yes		3	0,009938	44,44	1	316740	316740
230	yes	yes		3	0,004764	41,292	1	250180	250180
14	yes	yes		2	0,00859	90,777	1	122880	122880
250	yes	yes	2;3		0,00103	68,626	2	1825500	1825500
23	yes	yes		3	0,007529	41,088	1	431770	431770
235	yes	yes		3	0,003303	57,164	1	0	0
262	yes	yes	2;3		2,07E-07	99,238	2	7594700	7594700
426	yes	yes		3	0,028308	36,631	1	0	0
38	yes	yes	2;3		4,77E-06	78,976	2	0	0
310	yes	yes		3	0,001622	67,385	1	141250	141250
112	yes	yes	2;3		5,91E-05	88,092	2	678480	678480
308	yes	yes		3	0,00147	80,455	1	4196300	4196300
166	yes	yes		3	5,78E-06	107,53	1	1951100	1951100
211	yes	yes		3	0,000147	71,263	1	732150	732150
215	yes	yes		3	0,032044	18,245	1	3093900	3093900
370	yes	yes		4	5,56E-08	82,808	1	36352000	36352000
364	yes	yes		3	0,019146	46,016	1	328550	328550
270	yes	yes		3	0,005236	42,068	1	278300	278300
77	yes	yes	3;4		0,00401	47	2	3890900	3890900
207	yes	yes		3	0,00366	53,565	1	327950	327950
265	yes	yes		3	0,000156	70,837	1	621100	621100
286	yes	yes	2;3		2,09E-06	120,29	2	7940200	7940200
310	yes	yes	2;3		0,005657	74,255	2	1153400	1153400
86	yes	yes		2	0,024722	38,875	1	0	0
292	yes	yes		3	0,010917	46,352	1	0	0
246	yes	yes	2;3		0,00047	103,43	2	4982500	4982500
247	yes	yes		3	0,001723	64,64	1	296060	296060
86	yes	yes	2;3		0,000147	97,452	2	0	0
570	yes	yes		3	0,029916	34,05	1	107820	107820
172	yes	yes	3;4		9,29E-07	84,947	2	31077000	31077000

83	yes	yes		3	0,009427	48,229	1	143940	143940
363	yes	yes		2	0,00483	92,247	1	2650500	2650500
131	yes	yes	2;3		0,000279	117,95	2	5382400	5382400
469	yes	no		3	0,001395	64,798	1	412810	412810
75	yes	yes		2	0,005307	90,913	1	1292000	1292000
76	yes	yes	2;3		0,00183	72,2	2	5392600	5392600
86	yes	yes		3	0,025218	31,089	1	493110	493110
281	no	no		3	0,000538	103,88	1	2039800	2039800
235	no	no		2	0,017089	57,177	1	2602700	2602700
296	yes	yes	2;3		1,39E-16	165,16	2	11005000	11005000
220	yes	yes		2	0,002612	72,289	1	270070	270070
136	yes	yes		3	6,78E-05	72,585	1	633910	633910
518	yes	yes		3	0,014095	33,37	1	283180	283180
254	yes	yes		2	0,010188	65,246	1	168180	168180
318	yes	no		2	0,000458	76,01	1	474320	474320
324	yes	yes		2	3,95E-14	168	1	2609200	2609200
159	yes	yes		2	0,0052	63,292	1	0	0
165	no	no		3	0,00437	61,679	1	1070200	1070200
365	yes	yes		2	0,035568	43,297	1	220670	220670
84	yes	yes		2	0,002229	73,951	1	150630	150630
39	yes	yes		2	1,25E-05	90,412	1	223970	223970
40	yes	yes		3	0,023211	27,767	1	300820	300820
290	yes	yes	2;3		3,74E-06	114,31	2	1954200	1954200
108	yes	yes		3	8,52E-06	77,221	1	8583000	8583000
90	yes	yes		3	0,000565	64,244	1	1211600	1211600
450	yes	no		2	0,001702	93,561	1	1354000	1354000
181	yes	yes	2;3		0,000871	88,134	2	10226000	10226000
163	yes	yes		2	0,008518	53,947	1	244610	244610
43	yes	yes		2	0,001203	86,014	1	0	0
35	yes	yes		2	0,010168	47,971	1	0	0
326	yes	yes		3	0,011975	41,743	1	390880	390880
46	yes	yes	2;3		5,77E-13	148,85	2	22865000	22865000
435	yes	yes		2	0,012297	75,311	1	28236000	28236000
84	yes	yes		2	0,005608	64,103	1	220730	220730
136	yes	yes		2	0,000177	86,944	1	294580	294580
483	yes	yes		2	0,008317	54,09	1	521310	521310
967	yes	yes		2	0,030977	37,998	1	275340	275340
77	yes	yes		3	1,44E-08	113,14	1	2317600	2317600
359	yes	yes		2	0,008525	77,741	1	0	0
82	yes	yes	2;3		9,73E-06	113,24	2	10463000	10463000
84	yes	yes	3;4		2,27E-06	109,99	2	4212200	4212200
61	yes	yes		3	0,000648	67,644	1	0	0
216	yes	yes		2	0,00299	83,647	1	846370	846370
240	yes	yes		2	0,006421	60,641	1	191190	191190
501	yes	yes		2	0,000182	105,2	1	2468200	2468200
380	yes	yes		2	0,001028	93,442	1	208440	208440
336	yes	yes		2	2,06E-06	117,48	1	322010	322010
475	yes	yes		2	4,37E-05	125,74	1	13993000	13993000
344	yes	yes		3	0,010344	33,127	1	644960	644960
245	yes	yes		2	2,62E-05	123,62	1	1331400	1331400

120	yes	yes		2	0,003815	77,662	1	235130	235130
406	yes	yes	2;3		1,69E-12	142,4	2	73009000	73009000
323	yes	yes		3	0,000169	68,952	1	2347200	2347200
176	yes	yes		3	3,97E-08	114,31	1	0	0
59	yes	yes		2	5,47E-29	223,87	1	0	0
415	yes	yes		2	4,57E-05	93,237	1	0	0
84	yes	yes		3	1,53E-26	198,45	1	10671000	10671000
492	yes	yes		2	0,013984	50,178	1	0	0
155	yes	yes		3	0,002854	60,691	1	539310	539310
213	yes	yes		2	8,26E-06	131,42	1	5276300	5276300
55	yes	yes	2;3		9,20E-06	89,604	2	1615200	1615200
148	yes	yes		3	0,034421	27,882	1	179720	179720
71	yes	yes		2	0,000953	100,02	1	842090	842090
253	yes	yes		2	0,003915	95,502	1	685530	685530
52	yes	yes		2	0,011638	43,208	1	171930	171930
224	yes	yes		2	1,67E-05	108,36	1	53413000	53413000
203	yes	yes		2	0,006292	66,568	1	847920	847920
93	yes	yes		2	0,00638	44,788	1	0	0
158	yes	yes		2	0,019281	50,108	1	462160	462160
397	yes	yes	2;3		2,08E-13	135,76	2	4663100	4663100
351	yes	yes		2	0,014009	46,89	1	221190	221190
85	yes	yes		2	0,011096	80,229	1	1155500	1155500
258	yes	yes		3	0,006001	65,465	1	7040300	7040300
172	yes	yes	4;5		0,002761	49,765	2	24428000	24428000
335	yes	yes		3	0,000577	68,972	1	320040	320040
417	yes	no		3	0,000295	104,43	1	794540	794540
166	yes	yes		2	4,89E-06	95,751	1	16059000	16059000
274	yes	yes		2	0,003176	110,61	1	14444000	14444000
576	yes	yes		2	3,00E-12	168,22	1	1818400	1818400
402	yes	yes		2	0,00026	114,89	1	2359400	2359400
141	yes	yes		3	0,01228	50,467	1	2015200	2015200
168	yes	yes		2	0,007131	78,77	1	3567800	3567800
408	yes	yes		2	0,00951	68,224	1	4029100	4029100
534	yes	yes		2	0,010178	84,916	1	1743500	1743500
107	yes	yes		2	0,004609	68,355	1	3468600	3468600
365	yes	yes		2	4,89E-09	151,16	1	10737000	10737000
87	yes	yes		2	0,025578	45,908	1	137060	137060
408	yes	yes		2	0,017062	45,28	1	0	0
500	yes	yes		2	0,033881	35,594	1	193660	193660
340	yes	yes		2	0,000953	84,507	1	703020	703020
93	yes	yes	2;3		8,75E-40	254,94	2	1,23E+08	1,23E+08
266	yes	yes		2	0,003258	64,224	1	0	0
159	yes	yes		2	1,89E-07	105,02	1	4829300	4829300
401	yes	yes		2	0,013841	47,037	1	540560	540560
447	yes	yes	2;3		7,79E-05	72,99	2	0	0
116	yes	yes		2	0,026881	47,187	1	509490	509490
246	yes	yes		2	0,00124	78,556	1	4943700	4943700
109	yes	yes		2	1,53E-06	135,99	1	486800	486800
418	yes	yes		2	0,00231	82,279	1	0	0
86	yes	yes		2	1,27E-05	121,36	1	0	0

668	yes	yes		2	0,000373	109,48	1	0	0
566	yes	no		2	0,00635	55,806	1	0	0
264	yes	no		2	0,008907	50,108	1	0	0
46	yes	yes		2	0,005948	74,165	1	0	0
530	yes	yes		2	0,00266	63,292	1	0	0
11	yes	yes		2	0,001625	73,951	1	0	0
240	yes	yes		2	0,028455	42,396	1	0	0
153	no	no		2	3,16E-08	137,93	1	5263700	5263700
120	yes	yes		2	0,007586	76,679	1	205900	205900
344	yes	yes	2;3		7,91E-07	97,689	2	13109000	13109000
347	yes	yes		3	4,46E-05	73,448	1	1519700	1519700
181	yes	yes		2	8,23E-09	118,48	1	0	0
93	yes	yes		3	0,035625	17,895	1	156520	156520
112	yes	yes		2	0,003656	67,749	1	224260	224260
395	yes	yes		2	0,000242	95,428	1	406600	406600
108	yes	yes		2	2,58E-25	222,74	1	19627000	19627000
61	yes	yes		2	0,007403	61,593	1	324180	324180
83	yes	yes		2	2,23E-12	161,48	1	2704700	2704700
62	yes	yes		2	0,000161	88,282	1	1486200	1486200
19	yes	yes		2	0,003226	99,136	1	7534800	7534800
335	yes	yes		2	0,00232	61,409	1	179050	179050
276	no	no		2	0,03145	23,373	1	0	0
277	no	no		3	6,24E-05	117,02	1	5912100	5912100
358	yes	yes		2	0,007182	62,582	1	350020	350020
129	yes	yes		2	0,012026	46,892	1	1978600	1978600
107	yes	yes		2	2,04E-17	198,81	1	13023000	13023000
359	no	no		2	0,000107	103,83	1	1914400	1914400
144	yes	yes	2;3		5,07E-05	89,358	2	2537200	2537200
104	yes	yes		2	1,58E-18	192,65	1	30904000	30904000
119	yes	yes		2	9,55E-06	96,756	1	0	0
220	yes	yes		2	0,008272	73,665	1	10001000	10001000
438	yes	yes		3	0,013549	49,483	1	1449500	1449500
585	yes	yes		2	0,030363	42,718	1	951890	951890
177	yes	yes		2	8,27E-05	131,11	1	988400	988400
72	yes	yes		2	0,015816	50,222	1	246590	246590
289	yes	yes		2	0,00147	88,155	1	603850	603850
239	yes	yes	2;3		7,33E-10	152	2	20283000	20283000
240	yes	yes		3	7,71E-05	87,216	1	3926500	3926500
145	yes	yes		2	1,55E-43	245,74	1	0	0
483	yes	yes		2	0,000812	76,073	1	0	0
267	yes	yes		2	6,54E-16	187,42	1	0	0
214	yes	yes		2	0,003898	77,288	1	357230	357230
311	yes	yes		2	0,009309	51,03	1	342890	342890
533	yes	yes		2	2,43E-07	105,89	1	466880	466880
203	yes	yes		2	0,024895	42,317	1	295000	295000
170	yes	yes		3	0,00945	47,037	1	606070	606070
59	yes	yes		2	3,19E-25	222,56	1	10458000	10458000
471	yes	yes		2	0,035002	39,625	1	143240	143240
77	yes	yes	2;3		1,96E-07	131,35	2	20126000	20126000
138	yes	yes		2	8,15E-05	103,14	1	0	0

139	yes	yes		3	0,008247	46,844	1	0	0
468	yes	yes	2;3		0,002674	70,942	2	484300	484300
436	yes	yes		2	4,24E-05	113,76	1	264280	264280
322	yes	yes		3	5,68E-10	113,42	1	0	0
349	yes	yes	2;3		4,66E-05	90,689	2	0	0
25	yes	yes		2	0,017125	54,005	1	488360	488360
164	yes	yes		2	0,000364	65,808	1	889730	889730
411	yes	yes		2	0,007763	57,811	1	0	0
236	yes	no		2	0,00257	86,882	1	325610	325610
410	yes	yes		2	0,000112	110,98	1	1106300	1106300
141	yes	yes		2	1,34E-06	132,86	1	996930	996930
267	yes	yes		2	7,12E-11	153,7	1	515740	515740
172	yes	yes		3	0,012621	34,19	1	279440	279440
166	yes	yes		2	0,000845	57,703	1	0	0
20	yes	yes		3	0,001692	54,073	1	290660	290660
10	yes	yes		2	0,000463	110,53	1	5558200	5558200
15	yes	yes		2	0,000133	84,41	1	151340	151340
311	yes	yes		2	3,68E-06	94,203	1	6203600	6203600
83	yes	yes		2	3,18E-10	145,7	1	1303800	1303800
336	yes	yes		2	0,00704	63,216	1	449620	449620
169	yes	yes		2	0,011949	54,486	1	1237200	1237200
170	yes	yes	2;3		0,003098	89,266	2	8274400	8274400
42	yes	yes		3	0,001641	53,536	1	399770	399770
261	yes	yes		2	0,001858	75,566	1	497340	497340
197	yes	yes		2	0,005437	70,399	1	1917400	1917400
490	yes	yes		2	1,30E-16	171,15	1	1449900	1449900
178	yes	yes		2	0,026907	45,022	1	299910	299910
432	yes	yes		2	0,00201	58,079	1	323560	323560
69	yes	yes		3	0,012266	45,28	1	1777100	1777100
186	yes	yes	2;3		0,001374	78,098	2	5500600	5500600
276	yes	yes		2	3,20E-07	119,62	1	5649300	5649300
154	yes	yes		2	0,005404	87,754	1	594450	594450
60	yes	yes		3	2,21E-08	116,96	1	20273000	20273000
267	yes	yes	2;3		2,64E-22	194,67	2	35484000	35484000
98	yes	yes		2	6,15E-35	256,48	1	11881000	11881000
497	yes	yes		4	0,000204	57,058	1	1115500	1115500
61	yes	yes		3	0,012779	40,211	1	8133000	8133000
558	yes	yes		2	0,030711	40,516	1	127290	127290
68	yes	yes		2	2,55E-09	120,32	1	560130	560130
256	no	no		2	0,004372	64,64	1	220520	220520
257	no	no		3	0,015992	42,21	1	780660	780660
84	yes	yes	2;3		7,54E-14	156	2	20557000	20557000
271	yes	yes		2	0,001661	78,488	1	0	0
396	yes	yes		2	0,005013	49,537	1	0	0
159	yes	yes	2;3		3,20E-24	213,99	2	27018000	27018000
223	yes	yes		2	0,013953	50,088	1	276550	276550
'8_YEAST	yes	yes		2	0,009477	68,371	1	317150	317150
11	yes	yes		2	0,03583	73,233	1	2111800	2111800
250	yes	yes		3	0,004677	39,188	1	327380	327380
570	yes	yes	3;4		0,000334	63,374	2	6568700	6568700

146	yes	yes	3;4		5,28E-06	91,355	2	4255900	4255900
38	yes	yes		3	0,000432	96,665	1	8508200	8508200
71	yes	yes	2;3		0,001297	108,98	2	2483000	2483000
203	yes	yes		2	0,005581	90,149	1	768620	768620
879	yes	yes		3	0,014557	41,825	1	161960	161960
97	yes	yes		3	0,001361	64,244	1	670460	670460
60	yes	yes	3;4		0,000111	73,168	2	6360400	6360400
196	yes	yes	3;4		0,000236	61,096	2	931420	931420
307	yes	yes		3	0,012369	43,557	1	151870	151870
188	yes	yes	2;3;4		0,003113	78,985	3	60412000	60412000
143	yes	yes		3	8,84E-10	122,63	1	4579100	4579100
216	yes	yes		3	0,005015	56,404	1	512420	512420
15	yes	yes		3	0,012089	49,3	1	2007100	2007100
938	yes	no		2	0,034387	21,372	1	0	0
463	yes	yes		3	0,000143	57,339	1	0	0
152	yes	yes		2	2,70E-09	155,66	1	7575300	7575300
153	yes	yes		3	0,015638	40,475	1	1195700	1195700
261	yes	yes	2;3		2,44E-05	123,62	2	4817400	4817400
27	yes	yes		2	0,000673	61,962	1	0	0
137	yes	yes		3	0,033845	38,303	1	401360	401360
160	yes	yes		2	0,00095	64,327	1	298660	298660
545	yes	yes		2	1,42E-06	138,98	1	8832100	8832100
124	yes	yes	2;3		2,74E-21	187	2	81501000	81501000
85	yes	yes		2	6,22E-06	103,79	1	767160	767160
191	yes	yes		2	0,000758	104,2	1	22687000	22687000
371	yes	yes		2	0,018089	52,172	1	180430	180430
457	yes	yes		2	0,021481	42,599	1	0	0
551	yes	yes		2	0,005323	70,908	1	3668400	3668400
335	yes	no		2	0,01641	58,782	1	686860	686860
369	yes	no		2	0,015918	60,76	1	308060	308060
370	yes	no	2;3		0,006608	76,478	2	1694600	1694600
523	yes	yes		2	2,46E-07	100,43	1	0	0
682	yes	yes		2	0,030163	42,976	1	957910	957910
392	yes	yes		2	0,005935	42,618	1	0	0
231	yes	yes		2	0,000169	106,26	1	410550	410550
375	yes	yes		3	0,002924	52,19	1	490340	490340
153	yes	yes		3	0,006306	54,199	1	293570	293570
238	yes	yes		2	0,011885	56,708	1	160150	160150
153	yes	yes		2	0,011194	60,828	1	1728700	1728700
92	yes	yes		2	3,67E-06	88,282	1	435790	435790
145	yes	yes		2	1,16E-10	149	1	2369700	2369700
171	yes	no		2	0,014357	67,032	1	1785500	1785500
376	yes	yes	2;3		0,003779	70,68	2	2793500	2793500
380	yes	yes	3;4		2,06E-06	120,59	2	4529600	4529600
362	yes	yes		3	0,010388	35,023	1	998860	998860
113	yes	yes	2;3		0,002109	78,705	2	959820	959820
128	yes	yes		2	1,18E-30	227,56	1	16806000	16806000
347	yes	yes		3	1,39E-05	109,39	1	757010	757010
355	no	no		2	1,89E-13	180,24	1	2536200	2536200
181	yes	yes	3;4		1,68E-05	103,14	2	10651000	10651000

464	yes	yes		2	8,48E-06	109,6	1	980070	980070
197	no	no		2	0,00036	82,069	1	0	0
49	yes	yes		2	0,00586	58,172	1	27100000	27100000
434	yes	yes		2	2,29E-08	112,55	1	0	0
439	yes	yes		3	0,001662	56,428	1	0	0
74	yes	yes		2	0,003575	79,148	1	994740	994740
521	yes	yes	2;3		1,09E-29	241,31	2	51293000	51293000
523	yes	yes		3	8,44E-05	89,747	1	1934500	1934500
1009	yes	yes		2	0,034629	41,876	1	96620	96620
86	yes	yes		2	0,000345	77,08	1	0	0
10	yes	yes		2	0,000592	119,29	1	1509900	1509900
307	yes	yes		2	0,026543	53,377	1	319830	319830
11	yes	yes		2	1,31E-05	90,913	1	0	0
164	yes	yes		3	4,05E-11	113,79	1	0	0
150	yes	yes		2	0,021837	37,177	1	309990	309990
49	yes	yes		2	1,26E-07	140,14	1	2331300	2331300
333	yes	yes		2	3,82E-12	164,48	1	1571500	1571500
334	yes	yes	2;3		0,002213	86,114	2	4109900	4109900
270	yes	yes		3	0,005057	62,166	1	1207400	1207400
165	yes	yes		3	0,023326	35,523	1	197100	197100
41	yes	yes		2	0,010938	49,595	1	235750	235750
311	yes	yes		2	1,10E-07	113,54	1	3398300	3398300
163	yes	yes		2	0,003396	73,887	1	0	0
210	yes	yes		2	2,87E-05	99,991	1	751570	751570
264	yes	yes	2;3		3,94E-13	155,2	2	0	0
93	yes	yes	2;3		3,85E-06	81,316	2	0	0
909	yes	no		2	8,69E-09	141,88	1	0	0
188	yes	yes	2;3		0,002063	73,841	2	47193000	47193000
178	yes	yes		2	0,009977	51,612	1	0	0
80	yes	yes		3	0,001753	55,322	1	1072900	1072900
72	yes	yes		2	8,94E-11	127,59	1	0	0
242	yes	yes		2	0,000963	99,815	1	1059300	1059300
102	yes	yes		2	0,000603	83,182	1	447340	447340
292	yes	yes		2	0,004372	64,64	1	300570	300570
293	yes	yes		2	0,017125	61,48	1	416730	416730
105	yes	yes		2	0,003554	72,848	1	207470	207470
229	yes	yes		2	0,000172	79,614	1	953600	953600
128	yes	yes		3	0,000562	61,495	1	16159000	16159000
235	yes	yes		2	1,62E-05	85,563	1	1035100	1035100
52	yes	yes		2	0,000333	66,893	1	470600	470600
88	yes	yes		2	2,61E-09	155,86	1	19473000	19473000
225	yes	yes	2;3		4,07E-18	196,67	2	4191500	4191500
598	yes	no		3	0,030438	20,777	1	0	0
235	yes	yes		2	1,95E-05	85,469	1	911290	911290
140	yes	yes		2	0,012998	50,354	1	0	0
38	yes	yes		2	5,20E-13	179,6	1	2263400	2263400
386	yes	yes	2;3		5,09E-09	112,55	2	933810	933810
17	yes	yes		2	0,009877	85,359	1	624730	624730
143	yes	yes		2	2,09E-34	225,6	1	65290000	65290000
485	yes	yes		2	0,011691	47,223	1	159430	159430

17	yes	yes		2	2,80E-07	103,77	1	316930	316930
398	yes	yes		2	0,004959	62,088	1	173680	173680
105	yes	yes		2	0,006922	54,343	1	0	0
229	yes	yes		2	0,001943	82,494	1	7521300	7521300
240	yes	yes		3	2,67E-06	89,353	1	11564000	11564000
66	yes	yes		2	7,47E-06	91,401	1	277450	277450
421	yes	yes		2	0,016151	48,527	1	562960	562960
252	yes	yes		2	0,00858	56,548	1	839710	839710
152	yes	yes		3	0,012907	44,511	1	293430	293430
461	yes	yes		3	0,008193	47,037	1	146260	146260
215	yes	yes		2	7,73E-14	168,31	1	0	0
147	yes	yes		3	0,014297	42,843	1	1286600	1286600
123	yes	yes		2	0,000383	105,98	1	2014100	2014100
148	yes	yes		2	0,000877	101,66	1	2284600	2284600
233	yes	yes		2	0,008306	57,55	1	721250	721250
492	no	no		2	0,001181	97,565	1	1594700	1594700
345	yes	yes		2	0,0008	81,525	1	0	0
126	yes	yes		2	3,19E-18	182,37	1	4500800	4500800
129	yes	yes		2	0,000678	68,413	1	429700	429700
131	yes	yes		3	0,03333	54,066	1	0	0
288	yes	yes		2	0,000203	103,43	1	884420	884420
289	yes	yes		3	0,000249	88,803	1	2535800	2535800
118	yes	yes		2	1,39E-07	108,97	1	3037200	3037200
518	yes	yes		3	0,01199	49,298	1	364450	364450
146	yes	yes		4	0,000109	61,985	1	0	0
44	yes	yes		2	0,001194	97,472	1	2927600	2927600
53	yes	yes	3;4		0,000507	60,541	2	2211500	2211500
206	yes	yes		2	0,011378	60,019	1	309930	309930
196	yes	yes		2	2,95E-12	163,45	1	0	0
490	yes	yes		2	0,034533	39,937	1	363320	363320
494	yes	yes	3;4		0,00231	57,225	2	2420400	2420400
530	yes	yes		2	0,025241	46,352	1	281890	281890
232	yes	yes	2;3		0,013769	58,699	2	13005000	13005000
830	yes	yes	2;3		0,019393	49,466	2	529620	529620
752	yes	yes		4	0,031963	20,093	1	9908700	9908700
101	yes	yes		2	0,031461	37,654	1	281050	281050
304	yes	yes		2	0,001252	66,059	1	1079600	1079600
150	yes	yes		2	7,25E-05	109,15	1	379830	379830
200	yes	yes		2	0,000602	107,55	1	5433000	5433000
501	yes	no		4	0,020382	25,995	1	1193400	1193400
209	yes	yes		2	5,05E-24	208,51	1	24379000	24379000
332	yes	yes		2	0,002315	61,444	1	132840	132840
389	yes	yes		2	0,020904	48,513	1	2155300	2155300
332	yes	yes		2	0,001353	59,709	1	0	0
20	yes	yes		2	0,006902	49,483	1	0	0
203	yes	yes	2;3		7,00E-06	136,02	2	9792600	9792600
274	yes	yes		2	0,000969	84,188	1	1146900	1146900
212	yes	yes		2	0,008994	66,708	1	575570	575570
33	yes	yes	2;3		6,76E-16	151,58	2	0	0
277	yes	yes		2	5,25E-14	175,21	1	7778300	7778300

262	yes	yes	2;3		1,81E-14	162,94	2	0	0
11	yes	yes		2	0,000858	95,483	1	257170	257170
172	yes	yes		2	2,32E-05	77,959	1	659610	659610
320	yes	yes		2	7,79E-05	108,32	1	860680	860680
246	yes	yes	2;3		0,000482	78,401	2	2938100	2938100
105	yes	yes		2	4,70E-09	151,55	1	2707100	2707100
97	yes	yes	2;3		1,28E-08	113,88	3	31579000	31579000
241	yes	yes		2	3,84E-12	136,57	1	0	0
230	no	no		2	0,015937	60,682	1	136120	136120
374	yes	yes	2;3		2,40E-12	131,54	2	0	0
414	yes	yes		2	0,000367	91,202	1	1089000	1089000
415	yes	yes		3	0,000372	75,89	1	1247400	1247400
262	yes	yes		2	4,54E-05	90,561	1	1982600	1982600
219	yes	yes		3	0,001591	60,937	1	436750	436750
157	yes	yes	2;3		0,000441	116,52	2	1943800	1943800
300	yes	yes		2	9,53E-05	105,65	1	901200	901200
304	yes	yes	2;3		9,74E-13	149,35	2	5223100	5223100
255	yes	yes		2	0,004204	52,172	1	0	0
176	yes	yes		3	0,010086	60,246	1	228010	228010
77	yes	yes		2	0,004762	67,704	1	66248000	66248000
266	yes	yes		2	0,007047	63,184	1	1329700	1329700
459	yes	yes		2	2,89E-05	99,834	1	2401400	2401400
122	yes	yes		2	2,25E-10	143,56	1	1,04E+08	1,04E+08
179	yes	yes	3;4		7,08E-20	164,02	2	20041000	20041000
249	yes	yes	2;3		1,89E-12	132,01	2	0	0
163	yes	yes		2	0,025744	51,346	1	7563400	7563400
176	yes	yes	2;3		2,37E-08	102,98	2	8161900	8161900
54	yes	yes		2	0,000141	77,746	1	362690	362690
130	yes	yes		2	0,000102	111,86	1	5738900	5738900
159	yes	yes		2	0,005609	59,265	1	3076100	3076100
242	yes	yes	2;3		1,26E-19	197,17	2	15681000	15681000
139	yes	yes	2;3		2,06E-05	92,939	2	4500900	4500900
347	yes	yes		3	0,004523	42,73	1	0	0
367	yes	yes		2	0,000978	89,698	1	0	0
631	yes	yes		2	0,00056	88,338	1	0	0
172	yes	yes		2	3,03E-11	166,09	1	360340	360340
108	yes	yes		2	0,01045	52,576	1	193640	193640
184	yes	yes		2	0,011753	56,46	1	0	0
415	yes	yes		2	7,86E-11	164,66	1	56514000	56514000
1082	yes	no		2	0,000204	84,753	1	204530	204530
223	yes	yes		2	0,000964	99,788	1	19393000	19393000
248	yes	yes		2	4,66E-18	200,93	1	42519000	42519000
131	yes	yes		2	0,004112	76,332	1	27558000	27558000
173	yes	yes		2	0,006922	97,798	1	1275300	1275300
178	yes	yes	2;3		1,47E-08	143,55	2	12869000	12869000
182	yes	yes		3	6,27E-07	98,552	1	3236800	3236800
506	yes	yes		2	0,007465	60,307	1	0	0
310	yes	yes	2;3		2,77E-12	120,25	2	0	0
469	yes	no		2	0,018802	48,277	1	178560	178560
156	no	no		2	0,002614	79,07	1	0	0

28	yes	yes		2	0,000527	69,111	1	254920	254920
155	yes	yes		2	2,19E-12	161,87	1	33514000	33514000
163	yes	yes	2;3		1,06E-19	167,53	2	4979800	4979800
182	yes	yes		2	0,000455	103,26	1	57997000	57997000
215	yes	yes		2	0,030194	51,445	1	0	0
451	yes	yes		2	0,00672	59,367	1	339780	339780
152	yes	yes		2	0,009983	54,023	1	461910	461910
167	yes	yes	2;3		0,006314	57,785	2	2751300	2751300
52	yes	yes		2	6,96E-05	79,326	1	0	0
84	yes	yes	2;3		2,89E-13	154,31	4	0	0
12	no	no		2	0,014707	55,531	1	388920	388920
442	yes	yes		2	0,035005	20,141	1	0	0
119	yes	yes	2;3		0,010877	66,27	2	5574100	5574100
668	yes	yes		2	0,000292	76,156	1	352970	352970
75	yes	yes		2	0,000601	107,57	1	3401600	3401600
76	yes	yes	2;3		1,18E-07	154,01	2	5255900	5255900
147	yes	yes		3	0,002953	61,958	1	477540	477540
174	yes	yes		2	0,000279	105,98	1	0	0
273	yes	yes		2	0,001688	93,667	1	8795400	8795400
274	yes	yes		2	0,000617	114,97	1	3664100	3664100
502	yes	yes	2;3		2,34E-05	76,817	2	0	0
140	yes	yes		2	4,03E-07	138,2	1	6082400	6082400
37	yes	yes		2	0,013048	53,211	1	146420	146420
386	yes	yes		2	1,25E-15	189,13	1	3266000	3266000
1154	yes	yes		3	0,009784	48,214	1	535890	535890
71	yes	yes		3	0,022977	30,072	1	191440	191440
245	yes	yes		2	0,000449	117,89	1	343630	343630
108	no	no		2	0,000304	93,345	1	21442000	21442000
110	no	no	2;3		0,001283	73,722	2	4058900	4058900
40	yes	yes		2	4,16E-05	91,401	1	793220	793220
212	yes	yes		4	0,024181	24,481	1	562320	562320
239	yes	yes		2	0,000134	74,812	1	1113300	1113300
34	yes	yes		2	0,00525	65,627	1	938770	938770
249	yes	yes		2	0,004218	50,957	1	595570	595570
148	yes	yes		3	0,018337	44,377	1	284920	284920
122	yes	yes	2;3		0,000531	108,7	2	1293200	1293200
113	yes	yes		2	0,012444	74,717	1	9949100	9949100
119	yes	yes	2;3		6,77E-07	124,12	2	10399000	10399000
279	yes	yes	2;3		0,000265	98,407	2	1137900	1137900
280	yes	yes	3;4		0,005256	54,005	2	5700500	5700500
175	yes	yes		2	0,010821	62,464	1	188900	188900
234	yes	yes		2	0,000398	105,4	1	54535000	54535000
343	yes	yes		3	0,009157	47,429	1	428930	428930
582	yes	yes		2	0,00312	82,645	1	552560	552560
140	yes	yes		2	0,028082	44,614	1	323060	323060
96	yes	yes	2;3		9,20E-07	134,75	2	1024400	1024400
290	yes	yes		2	0,015284	63,306	1	9702400	9702400
591	yes	yes		2	0,003881	70,908	1	0	0
44	yes	yes		2	0,016936	57,281	1	406690	406690
200	yes	yes		2	0,009792	55,806	1	486000	486000

128	yes	yes	2	6,92E-06	108,36	1	0	0
53	yes	yes	2	1,56E-07	107,63	1	606060	606060
395	yes	yes	3	0,000291	67,685	1	755560	755560
163	yes	yes	2	0,000482	79,07	1	0	0
78	yes	yes	2	0,001979	58,32	1	0	0
85	yes	yes	3	0,016076	45,916	1	0	0
494	yes	yes	2	0,000253	99,343	1	312260	312260
357	yes	yes	3	0,003954	59,84	1	699230	699230

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (
		0	138	0	0	0	0	
		1	42	1	1	1	1	
		2	35	2	2	2	2	
		3	122	3	3	3	3	
		4	81	4	4	4	4	
		5	71	5	5	5	5	
		6	31	6	6	6;7	7	
		7	31	7	7	8	8	
		8	77	8	8;9	9;10	9	91
		9	110	9	10	11	11	
		10	53	10	11	12	12	
		11	46	11	12	13	13	
		12	58	12	13	14	14	71
	+	13	3	13	14	15	15	
		14	112	14	15	16	16	
		15	79	15	16	17	17	
		16	60	16	17	18	18	74
		17	115	17	18	19	19	
		18	77	18	19	20	20	
		19	44	19	20	21	21	
		20	54	20	21	22	22	
		21	41	21	22	23;24;25	25	
		22	19	22	23;24	26;27	27	
		23	12	23	25	28	28	
		24	110	24	26	29	29	
		25	74	25	27	30	30	
		26	21	26	28	31	31	
		27	15	27	29	32	32	
		28	112	28	30	33	33	
		29	20	29	31	34	34	
		30	128	30	32	35	35	116
		31	30	31	33	36	36	
		32	27	32	34;35;36	37;38;39	37	
		33	27	33	37;38	40;41;42	42	
	+	34	1;4	34	39	43	43	
	+	35	5	35	40	44	44	
		36	32	36	41;42	45;46	46	
		37	105	37	43	47	47	
		38	11	38	44	48	48	
		39	49	39	45	49	49	57
		40	32	40	46	50	50	
		41	35	41	47	51	51	
		42	35	42	48;49	52;53	53	
		43	123	43	50	54	54	
		44	30	44	51;52	55;56	55	
		45	14	45	53;54	57;58	57	
		46	53	46	55	59	59	
		47	53	47	56	60	60	
		48	33	48	57	61	61	

	49	59	49	58	62	62			
	50	100	50	59	63;64	63			
+	51	4	51	60	65	65			
	52	12	52	61;62	66;67;68;6	72			
	53	140	53	63	74	74			
	54	77	54	64	75;76	75			
+	55	6	55	65	77	77			
+	56	8	56	66	78	78			
	57	77	57	67	79	79			
	58	59	58	68	80	80			
	59	69	59	69	81	81			
	60	95	60	70	82	82			
	61	108	61	71	83	83			
	62	33	62	72	84	84			
	63	124	63	73	85	85			
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	65	19	65	75;76	88;89	89	19		
	66	122	66	77;78	90;91	90			
	67	35	67	79;80	92;93;94;9	93			
	68	46	68	81	96	96			
	69	18	69	82	97	97			
	70	90	70	83;84	98;99	98			
	71	126	71	85	100	100			
+	72	5	72	86	101	101			
	73	91	73	87	102;103	103			
	74	35	74	88;89	104;105	105			
	75	27	75	90	106	106			
	76	77	76	91	107	107			
	77	27	77	92	108	108			
	78	56	78	93	109	109			
	79	44	79	94;95	110;111	111			
	80	36	80	96;97	112;113	113			
	81	25	81	98	114	114			
	82	47	82	99	115	115			
+	83	7	83	100	116	116			
	84	64	84	101	117	117			
	85	125	85	102	118	118			
	86	125	86	103	119	119			
	87	71	87	104;105	120;121	121			
	88	32	88	106	122	122			
	89	133	89	107	123	123	123		
	90	91	90	108;109	124;125	124	99;100		
	91	80	91	110	126	126			
	92	122	92	111	127	127	114		
	93	67	93	112	128	128			
	94	67	94	113	129	129			
	95	36	95	114	130	130			
	96	56	96	115	131	131			
	97	69	97	116	132	132	78		
	98	36	98	117	133	133			

	99	36	99	118;119	134;135	135	
	100	86	100	120	136	136	
	101	77	101	121	137	137	
	102	102	102	122	138	138	
	103	67	103	123	139	139	76
	104	30	104	124;125	140;141	140	
	105	42	105	126;127	142;143	142	
	106	53	106	128;129	144;145	144	
	107	74	107	130	146	146	
	108	35	108	131	147	147	
	109	126	109	132	148	148	115
	110	76	110	133	149	149	88
	111	95	111	134	150	150	104
+	112	3	112	135	151	151	3
	113	69	113	136	152	152	
	114	146	114	137	153	153	
	115	31	115	138;139	154;155	155	
	116	31	116	140	156;157	156	
	117	130	117	141	158	158	
	118	64	118	142	159	159	
	119	76	119	143	160	160	89
	120	65	120	144	161	161	
+	121	3	121	145	162	162	4
+	122	8	122	146	163	163	12
	123	110	123	147	164	164	
	124	110	124	148;149	165;166	165	
	125	108	125	150	167	167	
	126	55	126	151	168;169	168	
	127	69	127	152	170	170	
	128	110	128	153	171	171	
	129	33	129	154;155	172;173;17	172	
	130	59	130	156	175;176;17	176	
	131	18	131	157	179	179	
	132	127	132	158	180	180	
	133	132	133	159	181	181	
	134	56	134	160	182	182	67
	135	35	135	161	183	183	
	136	19	136	162	184	184	
	137	24	137	163	185	185	
	138	15	138	164	186	186	15
	139	17	139	165	187	187	
+	140	7	140	166	188	188	
	141	110	141	167	189	189	
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	143	65	143	169	192	192	
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	145	34	145	172;173	195;196	195	
	146	33	146	174	197	197	
	147	33	147	175	198	198	
	148	91	148	176	199	199	

	149	67	149	177;178	200;201	201		
	150	109	150	179	202	202	108	
	151	77	151	180	203	203		
	152	133	152	181	204	204		
	153	72	153	182	205	205		
	154	115	154	183	206	206	111	
	155	111	155	184	207;208	207		
	156	78	156	185	209	209	97	
	157	36	157	186	210	210		
	158	36	158	187;188	211;212	212		
	159	126	159	189	213	213		
	160	82	160	190	214	214		
	161	57	161	191	215	215	70	
	162	36	162	192	216	216		
	163	22	163	193	217	217	26	
	164	49	164	194	218;219;22	220	58	
	165	77	165	195	222	222		
	166	67	166	196	223	223		
	167	19	167	197	224	224		
	168	33	168	198;199	225;226;22	226		
	169	108	169	200	231	231		
	170	52	170	201	232	232		
	171	63	171	202	233;234	233		
	172	149	172	203	235	235		
	173	59	173	204	236	236	73	
	174	12	174	205	237	237	14	
	175	75	175	206	238	238		
	176	37	176	207	239	239		
	177	91	177	208	240	240		
	178	59	178	209	241	241		
	179	36	179	210	242	242		
	180	36	180	211	243	243		
	181	32	181	212	244	244		
	182	59	182	213;214	245;246	246		
	183	36	183	215	247	247		
	184	74	184	216	248	248		
	185	76	185	217;218	249;250	249	90	
+	186	3;8	186	219	251	251		
	187	15	187	220	252	252		
	188	19	188	221	253;254;25	253		
	189	106	189	222	256	256		
	190	36	190	223	257	257		
	191	36	191	224	258;259;26	259		
	192	127	192	225	261	261		
	193	90	193	226	262	262		
	194	77	194	227	263;264	264		
+	195	3	195	228	265	265		
+	196	7	196	229	266	266		
	197	36	197	230	267;268	267		
	198	19	198	231	269;270;27	269		

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	200	58	200	233	273	273	
	201	36	201	234	274	274	
	202	15	202	235;236	275;276;27	275	
	203	34	203	237	279	279	
	204	27	204	238	280	280	
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	206	110	206	240	282	282	
	207	49	207	241	283	283	
	208	68	208	242	284	284	
	209	58	209	243	285	285	72
	210	115	210	244	286	286	
	211	77	211	245	287	287	
	212	53	212	246	288	288	
	213	49	213	247	289;290	289	
+	214	8	214	248	291	291	
+	215	3	215	249	292	292	
	216	42	216	250	293	293	
+	217	7	217	251	294	294	
+	218	7	218	252	295	295	
+	219	8	219	253	296	296	
	220	77	220	254	297	297	
	221	149	221	255	298	298	129
	222	33	222	256;257	299;300	299	
	223	19	223	258;259	301;302	301	
	224	132	224	260	303	303	121
	225	41	225	261	304	304	
	226	36	226	262;263	305;306	306	
	227	67	227	264;265	307;308	308	
	228	67	228	266	309	309	
	229	91	229	267;268	310;311	311	
	230	110	230	269	312	312	
	231	56	231	270	313	313	
	232	13	232	271	314	314	
	233	33	233	272;273	315;316;31	316	37
	234	60	234	274	319;320;32	320	
	235	44	235	275	322	322	
	236	40	236	276	323;324	323	
	237	33	237	277;278	325;326;32	325	
+	238	1	238	279	329	329	1
	239	77	239	280	330	330	92
	240	53	240	281	331	331	
+	241	5	241	282	332	332	
	242	86	242	283	333	333	
	243	77	243	284	334	334	
+	244	8	244	285	335	335	
	245	72	245	286	336	336	
	246	19	246	287;288	337;338;33	338	
	247	89	247	289	342	342	
	248	42	248	290	343	343	

	249	49	249	291;292	344;345;34	344	59;60	
	250	49	250	293	348;349	349	59;60	
	251	53	251	294;295	350;351	350		
	252	33	252	296	352	352		
	253	51	253	297	353	353		
	254	115	254	298	354	354		
	255	33	255	299	355	355		
	256	77	256	300	356	356		92
	257	35	257	301	357	357		
+	258	8	258	302	358	358		
+	259	7	259	303	359	359		
	260	115	260	304	360	360		
	261	44	261	305;306	361;362	361		
	262	91	262	307;308	363;364	363		
	263	91	263	309	365	365		
	264	138	264	310	366	366		125
	265	117	265	311	367	367		
	266	10	266	312	368	368		
	267	74	267	313	369;370	369		
	268	107	268	314	371	371		
	269	141	269	315;316	372;373;37	374		
	270	42	270	317;318	375;376	375		
	271	38	271	319	377	377		
	272	113	272	320	378	378		
	273	43	273	321	379	379		
	274	110	274	322	380	380		
	275	72	275	323	381	381		
	276	30	276	324	382	382		
	277	15	277	325	383	383		
+	278	3;8	278	326	384	384		
	279	135	279	327	385;386	386		
	280	12	280	328	387	387		
	281	33	281	329;330	388;389;39	388		
	282	148	282	331	391	391		
	283	148	283	332	392;393	393		
	284	23	284	333	394	394		
	285	19	285	334	395	395		
+	286	4	286	335;336	396;397;39	398		
	287	19	287	337	399	399		
	288	19	288	338;339	400;401	401		
+	289	0	289	340	402	402		0
	290	56	290	341;342	403;404	403		
+	291	5	291	343	405	405		
	292	33	292	344;345	406;407	406		
	293	67	293	346	408	408		
	294	67	294	347	409	409		77
	295	97	295	348	410	410		
	296	122	296	349	411;412	411		
	297	62	297	350	413	413		
	298	74	298	351	414	414		

	299	59	299	352	415	415		
	300	87	300	353	416	416		
	301	125	301	354;355	417;418	418		
	302	77	302	356	419	419		
	303	142	303	357	420	420		
	304	90	304	358	421	421		
	305	19	305	359;360	422;423	423		20
	306	130	306	361	424	424		117
	307	149	307	362	425	425		
	308	114	308	363	426	426		
+	309	5	309	364	427	427		
	310	91	310	365	428;429;43	428		
	311	53	311	366	432;433	433		
	312	36	312	367	434	434		
	313	83	313	368	435	435		
	314	119	314	369	436	436		
	315	67	315	370	437	437		
	316	49	316	371	438	438		
	317	146	317	372	439	439		
	318	115	318	373;374	440;441	441		
	319	115	319	375	442	442		
	320	96	320	376	443;444	444		
	321	137	321	377	445	445		
	322	35	322	378;379	446;447	447		
	323	54	323	380	448;449	448		
	324	56	324	381	450	450	68;69	
	325	59	325	382;383	451;452	451		
	326	53	326	384	453	453		
	327	49	327	385;386	454;455;45	456		58
	328	55	328	387	457	457		
	329	59	329	388;389	458;459	458		
	330	31	330	390	460	460		
	331	36	331	391	461	461		
	332	40	332	392	462;463	462		
	333	40	333	393	464	464		
	334	19	334	394	465;466;46	466		
	335	77	335	395	470	470		
	336	74	336	396	471	471		
	337	90	337	397;398	472;473	473		
	338	57	338	399	474	474		
	339	53	339	400	475	475		
	340	49	340	401;402	476;477	477		
	341	36	341	403;404	478;479	479		
	342	129	342	405	480	480		
	343	109	343	406	481	481		109
	344	33	344	407;408	482;483	482		
	345	33	345	409	484	484		
	346	91	346	410;411	485;486	486		101
	347	129	347	412	487	487		
	348	19	348	413;414	488;489;49	489		

	349	144	349	415	491	491			
	350	110	350	416	492	492			
	351	30	351	417;418	493;494	494			
	352	28	352	419	495	495			
	353	49	353	420	496	496			
	354	49	354	421;422	497;498	497			
	355	123	355	423	499	499			
+	356	8	356	424	500	500			
+	357	5;1;4	357	425	501;502	501			
	358	35	358	426;427	503;504;5(	503			
	359	63	359	428	506	506			
	360	115	360	429	507;508;5(	508			
	361	69	361	430	510;511	510			
	362	51	362	431	512	512			
	363	101	363	432	513	513			
	364	44	364	433	514	514			
	365	124	365	434	515	515			
+	366	5;1;4	366	435	516	516			
	367	65	367	436	517	517			
	368	145	368	437	518	518			
	369	12	369	438	519;520;52	520			
	370	12	370	439	522;523	522			
	371	36	371	440;441	524;525;52	526			
	372	27	372	442	527;528;52	530			
	373	24	373	443	532;533	533			
+	374	5	374	444	534	534			
	375	42	375	445;446	535;536	536			
	376	89	376	447	537	537			
	377	147	377	448	538	538	128		
	378	45	378	449	539	539	53;54		
	379	32	379	450	540	540			
	380	42	380	451;452	541;542;54	543			
	381	33	381	453	544;545	544			
	382	139	382	454	546	546			
	383	82	383	455	547	547			
	384	72	384	456	548	548			
	385	106	385	457	549	549			
+	386	0	386	458	550	550			
	387	74	387	459	551	551	86		
	388	42	388	460;461	552;553	553			
	389	42	389	462;463	554;555	555			
	390	12	390	464	556	556	14		
	391	139	391	465	557	557			
	392	80	392	466	558	558			
	393	53	393	467	559	559			
	394	78	394	468	560	560			
	395	130	395	469	561;562;56	563			
	396	19	396	470	564	564			
	397	36	397	471	565	565			
+	398	5	398	472	566	566			

	399	17	399	473	567	567	
	400	19	400	474;475	568;569;57	570	
	401	35	401	476	572	572	
	402	15	402	477	573	573	16
	403	49	403	478	574;575	575	61
	404	61	404	479	576	576	75
	405	27	405	480	577;578	578	
	406	103	406	481	579	579	106
	407	24	407	482	580	580	
	408	15	408	483	581	581	
	409	94	409	484;485	582;583	582	
	410	60	410	486	584	584	
	411	12	411	487	585	585	
	412	23	412	488	586	586	
	413	115	413	489	587	587	
	414	27	414	490	588	588	
	415	77	415	491	589	589	
	416	86	416	492	590	590	98
	417	132	417	493	591	591	
	418	35	418	494;495	592;593;59	594	
	419	92	419	496	597	597	
	420	93	420	497	598	598	
	421	35	421	498	599	599	
	422	19	422	499;500	600;601;60	602	
	423	106	423	501	603	603	
+	424	3	424	502	604	604	
	425	31	425	503	605	605	
	426	27	426	504	606;607	606	
	427	77	427	505	608	608	
	428	53	428	506	609	609	
	429	88	429	507	610	610	
	430	91	430	508	611	611	
	431	35	431	509	612	612	
	432	118	432	510	613	613	
+	433	0	433	511	614	614	
	434	35	434	512	615	615	
	435	114	435	513	616	616	
	436	136	436	514	617	617	124
	437	66	437	515	618	618	
	438	68	438	516	619	619	
	439	19	439	517;518	620;621;62	621	
	440	105	440	519	624	624	107
	441	59	441	520	625;626	625	
	442	21	442	521	627	627	
	443	35	443	522;523	628;629;63	633	39
	444	133	444	524	634	634	
	445	33	445	525	635	635	
	446	126	446	526	636;637	636	
	447	70	447	527	638	638	84
	448	91	448	528	639	639	101

	449	77	449	529	640	640	93	
	450	28	450	530	641	641	30	
	451	49	451	531	642	642	62;63	
	452	132	452	532	643	643	122	
	453	69	453	533	644	644	79	
	454	27	454	534	645	645	27	
+	455	7	455	535	646	646	9	
	456	16;17	456	536	647;648	648		
	457	74	457	537	649	649		
	458	36	458	538;539	650;651	650		
	459	36	459	540	652;653	653		
	460	71	460	541	654	654	85	
	461	130	461	542	655	655		
	462	103	462	543	656	656		
	463	115	463	544	657	657		
	464	27	464	545	658	658		
	465	135	465	546	659	659		
	466	41	466	547	660	660		
	467	54	467	548	661	661		
	468	27	468	549	662	662		
	469	71	469	550	663	663		
+	470	3;6	470	551	664	664		
+	471	3;6	471	552	665	665		
	472	130	472	553	666	666		
	473	77	473	554	667	667		
	474	42	474	555	668	668		
+	475	8;6	475	556	669	669		
	476	110	476	557;558	670;671	670		
	477	91	477	559	672	672		
	478	149	478	560	673	673		
	479	99	479	561	674	674		
	480	68	480	562	675	675		
	481	77	481	563	676	676		
	482	77	482	564	677	677		
	483	46	483	565	678	678		
	484	74	484	566	679	679		
	485	35	485	567;568	680;681	681		
	486	35	486	569	682	682		
	487	31	487	570	683	683	34	
	488	77	488	571	684	684	94;95	
+	489	3	489	572	685	685	5;6	
	490	110	490	573	686	686		
	491	69	491	574	687	687		
	492	32	492	575	688;689	688		
	493	85	493	576	690	690		
	494	104	494	577	691	691		
	495	42	495	578	692	692		
	496	51	496	579	693	693		
	497	67	497	580;581	694;695	695		
	498	53	498	582	696	696	64	

		499	53	499	583	697	697		64
		500	109	500	584;585	698;699	699		
	+	501	8	501	586	700	700		
	+	502	5	502	587	701	701	7;8	
		503	35	503	588;589	702;703;7(	704		40
		504	126	504	590	705	705		
		505	110	505	591	706	706		
		506	130	506	592	707	707	118;119	
		507	101	507	593	708	708		
		508	33	508	594	709	709		
		509	67	509	595	710	710		
		510	27	510	596	711;712	711		
		511	19	511	597	713	713		
		512	45	512	598	714	714		55
		513	131	513	599	715	715		
		514	12	514	600	716	716		
		515	135	515	601	717	717		
		516	91	516	602	718	718		
		517	16	517	603	719;720	719		
	+	518	7	518	604	721	721		
		519	26	519	605	722	722		
		520	26	520	606;607	723;724	724		
		521	83	521	608	725;726	725		
	+	522	7	522	609	727	727		
		523	112	523	610	728	728		
		524	53	524	611	729	729		
		525	85	525	612	730	730		
	+	526	3	526	613	731	731		
		527	16	527	614	732	732		
		528	30	528	615;616	733;734;73	734		
		529	59	529	617	738	738		
		530	23	530	618	739	739		
		531	67	531	619	740	740		
		532	27	532	620;621	741;742	742		
		533	67	533	622	743	743		
		534	33	534	623	744;745;74	746		
		535	27	535	624	749	749		
		536	61	536	625	750	750		
		537	60	537	626	751	751		
	+	538	5	538	627	752	752		
	+	539	5	539	628	753	753		
		540	27	540	629;630	754;755;75	754		
	+	541	7	541	631	757	757		10
		542	69	542	632	758	758		80
		543	35	543	633;634	759;760;76	761		
		544	126	544	635	762	762		
+		545	9	545	636	763	763		
		546	127	546	637	764	764		
		547	61	547	638	765	765		
		548	44	548	639;640	766;767	766		

	549	91	549	641;642	768;769	768		
	550	141	550	643	770;771	770		
	551	12	551	644;645	772;773	773		
	552	77	552	646	774	774		
	553	58	553	647	775	775		
	554	16	554	648	776	776		
	555	67	555	649;650	777;778	778		
	556	110	556	651;652	779;780	780		
	557	32	557	653	781	781		
	558	33	558	654;655;65	782;783;78	784		
	559	33	559	657	785	785		
	560	125	560	658	786	786		
	561	67	561	659	787	787		
	562	97	562	660	788	788		
	563	115	563	661	789	789	112	
	564	36	564	662	790	790		
	565	36	565	663	791	791		
	566	122	566	664;665	792;793	792		
	567	74	567	666	794;795	794	87	
	568	93	568	667	796	796		
	569	135	569	668	797	797		
	570	33	570	669	798	798		
	571	27	571	670;671	799;800	799		
	572	77	572	672	801;802	801		
	573	49	573	673	803	803		
	574	106	574	674	804	804		
	575	35	575	675	805	805	41;42;43	
	576	44	576	676	806	806		
+	577	1	577	677	807	807		
+	578	5	578	678	808	808		
+	579	5	579	679;680	809;810	809		
	580	53	580	681	811	811	65	
	581	77	581	682	812	812		
	582	130	582	683	813	813	120	
	583	109	583	684	814	814		
	584	48	584	685	815;816	815		
	585	128	585	686	817	817		
	586	71	586	687	818	818		
	587	56	587	688	819	819		
+	588	8	588	689	820;821	820		
	589	112	589	690	822	822		
	590	110	590	691	823	823		
+	591	3	591	692;693	824;825	824		
+	592	8	592	694;695	826;827	826		
+	593	5	593	696	828	828		
	594	76	594	697;698	829;830	830		
	595	35	595	699	831;832	831		
	596	126	596	700	833	833		
+	597	3	597	701	834	834		
	598	42	598	702;703	835;836	835		

+	599	5	599	704	837	837		
+	600	3	600	705	838	838		
	601	141	601	706	839	839		
	602	19	602	707	840;841;84	841		21
	603	19	603	708	844;845;84	845		21
+	604	3	604	709	847	847		
	605	33	605	710;711	848;849	849		
	606	33	606	712	850	850		
	607	58	607	713	851	851		
+	608	2	608	714	852	852		
	609	122	609	715	853;854	853		
	610	115	610	716	855	855		
	611	27	611	717	856	856		
	612	27	612	718	857;858;85	858		28
	613	134	613	719	860;861	860		
	614	54	614	720	862	862		
+	615	5	615	721	863	863		
+	616	5	616	722;723	864;865	865		
	617	122	617	724	866	866		
	618	115	618	725	867	867		
	619	70	619	726	868	868		
	620	59	620	727	869	869		
+	621	7	621	728	870	870		11
	622	126	622	729	871;872;87	873		
	623	33	623	730;731	874;875	875		38
	624	40	624	732;733	876;877;87	877	44;45	
	625	28	625	734	880	880	31;32	
	626	33	626	735;736	881;882	881		
	627	46	627	737	883	883		56
	628	143	628	738	884	884		
	629	40	629	739	885;886	886	46;47	
	630	44	630	740	887	887		
	631	96	631	741	888	888		
+	632	8	632	742	889	889		
+	633	8	633	743	890	890		
	634	124	634	744	891	891		
	635	115	635	745	892	892		
	636	36	636	746	893	893		
	637	139	637	747	894	894		
	638	24	638	748	895	895		
	639	49	639	749	896	896		
	640	33	640	750;751	897;898	898		
	641	38	641	752	899	899		
	642	60	642	753	900	900		
	643	98	643	754	901	901		105
	644	54	644	755	902	902		
	645	110	645	756;757	903;904;90	904		
	646	90	646	758	909	909		
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	648	87	648	760	913	913		

	649	72	649	761	914;915	915		
	650	120	650	762	916	916		
	651	19	651	763	917	917		22
	652	91	652	764	918	918		
	653	91	653	765	919	919		
	654	64	654	766	920;921	920		
	655	51	655	767	922	922		
	656	128	656	768	923	923		
	657	111	657	769	924	924		
	658	73	658	770	925	925		
	659	53	659	771	926	926		66
	660	133	660	772	927	927		
	661	76	661	773	928	928		
	662	122	662	774	929	929		
+	663	7	663	775	930	930		
+	664	3	664	776	931	931		
	665	77	665	777	932	932		96
	666	31	666	778	933;934	933		
	667	110	667	779	935;936	935		
	668	16	668	780	937	937		17
+	669	3	669	781	938	938		
+	670	3	670	782	939	939		
	671	53	671	783	940	940		
	672	78	672	784	941	941		
	673	40	673	785	942	942		48
	674	40	674	786	943	943		
	675	40	675	787;788	944;945	945		
	676	86	676	789	946	946		
	677	139	677	790	947;948	947		126
	678	110	678	791	949	949		
	679	110	679	792;793	950;951	950		
	680	128	680	794	952	952		
	681	19	681	795;796	953;954	954		
	682	77	682	797;798	955;956	956		
	683	73	683	799	957	957		
	684	134	684	800	958	958		
	685	74	685	801	959;960	959		
	686	63	686	802	961	961		
	687	42	687	803	962	962		
	688	28	688	804	963	963		
	689	19	689	805	964	964		
	690	80	690	806	965	965		
	691	79	691	807	966	966		
	692	29	692	808	967	967		33
	693	41	693	809	968	968	49;50	
	694	125	694	810;811	969;970	970		
	695	115	695	812	971	971		
	696	45	696	813	972	972		
	697	112	697	814;815	973;974;97	976		110
	698	19	698	816	978	978		

	699	19	699	817;818	979;980;98	980	23	
	700	66	700	819	982	982		
	701	88	701	820	983	983		
+	702	8	702	821	984;985	984		
	703	53	703	822;823	986;987	987		
	704	40	704	824	988	988		
	705	33	705	825;826;82	989;990;99	991		
	706	112	706	828	993	993		
	707	80	707	829	994	994		
	708	115	708	830;831	995;996	995	113	
	709	53	709	832	997	997		
	710	53	710	833	998	998		
	711	92	711	834	999	999		
	712	124	712	835	1000	1000		
	713	53	713	836;837	1001;1002	1002		
	714	130	714	838	1003	1003		
	715	122	715	839;840	1004;1005	1005		
	716	144	716	841	1006	1006	127	
	717	98	717	842	1007	1007		
	718	33	718	843	1008;1009	1009		
+	719	5	719	844	1010;1011	1011		
	720	53	720	845	1012	1012		
	721	19	721	846	1013	1013		
	722	35	722	847;848	1014;1015	1015		
	723	31	723	849;850	1016;1017	1016	35;36	
	724	30	724	851	1018	1018		
	725	30	725	852;853	1019;1020	1019		
	726	72	726	854	1023	1023		
	727	112	727	855	1024	1024		
	728	122	728	856	1025	1025		
	729	30	729	857;858	1026;1027	1026		
	730	122	730	859;860	1029;1030	1029		
+	731	8	731	861	1031	1031	13	
	732	69	732	862	1032	1032	81	
	733	69	733	863	1033	1033	82	
	734	92	734	864	1034	1034		
	735	84	735	865	1035	1035		
+	736	7	736	866	1036	1036		
	737	19	737	867	1037	1037		
	738	97	738	868	1038	1038		
	739	30	739	869	1039;1040	1039		
	740	27	740	870	1042	1042		
	741	30	741	871	1043	1043		
	742	36	742	872	1044	1044		
	743	36	743	873;874	1045;1046	1046		
	744	36	744	875	1047	1047		
	745	87	745	876	1048	1048		
	746	44	746	877;878	1049;1050	1052	52	
	747	28	747	879	1053	1053		
+	748	5;1;4	748	880	1054	1054	2	

	749	116	749	881	1055	1055		
	750	33	750	882	1056	1056		
	751	33	751	883;884	1057;1058	1058		
	752	19	752	885	1059;1060	1059		
	753	43	753	886	1061	1061		51
	754	75	754	887	1062	1062		
	755	39	755	888	1063	1063		
	756	67	756	889;890	1064;1065	1065		
	757	16	757	891	1066	1066		18
	758	20	758	892;893;89	1067;1068	1071	24;25	
	759	14	759	896	1074	1074		
	760	87	760	897	1075	1075		
	761	40	761	898;899	1076;1077	1077		
	762	51	762	900	1078	1078		
	763	49	763	901	1079	1079		
	764	49	764	902;903	1080;1081	1081		
	765	48	765	904	1082	1082		
	766	27	766	905	1083	1083		29
	767	49	767	906	1084	1084		
	768	49	768	907	1085	1085		
	769	19	769	908;909	1086;1087	1086		19
	770	36	770	910	1089	1089		
	771	62	771	911	1090	1090		
+	772	3	772	912	1091	1091		
	773	97	773	913	1092	1092		
	774	18	774	914	1093	1093		
+	775	5	775	915	1094	1094		
	776	49;26	776	916	1095	1095		
	777	49;26	777	917;918	1096;1097	1097		
	778	126	778	919	1098;1099	1099		
	779	46	779	920	1100	1100		
	780	77	780	921	1101	1101		
+	781	2	781	922	1102	1102		
	782	115	782	923	1103;1104	1104		
	783	109	783	924	1106	1106		
	784	18	784	925;926	1107;1108	1107		
	785	30	785	927	1109	1109		
	786	30	786	928;929	1110;1111	1110		
	787	44	787	930;931	1112;1113	1113		
	788	44	788	932;933	1114;1115	1115		
	789	45	789	934	1116	1116		
	790	27	790	935	1117	1117		
	791	110	791	936	1118	1118		
	792	69	792	937	1119	1119		
	793	85	793	938	1120	1120		
	794	23	794	939;940	1121;1122	1121		
	795	91	795	941	1123	1123		
	796	69	796	942	1124	1124		83
	797	44	797	943	1125	1125		
	798	121	798	944	1126	1126		

799	93	799	945	1127	1127	102
800	63	800	946	1128	1128	
801	115	801	947	1129	1129	
802	50	802	948	1130	1130	
803	93	803	949	1131	1131	103
804	93	804	950	1132	1132	103
805	72	805	951	1133	1133	
806	77	806	952	1134	1134	

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Sequence	N-term cle	C-term cle	Amino acic	First amino	Second am	Second las	Last amino	Amino acic
AAFLGSEV	TKPVLKKK	AFLGSEVR	K	A	A	V	R	L
AAFMAVG	DEVGKSKK	VGETALSR	K	A	A	S	R	V
AAIAEEQIL	VASEMNTI	AEEQILNK	K	A	A	N	K	Q
AAIEDGW	RKDGASW	EDGWVPG	K	A	A	G	K	N
AALANVYE	AQDFEGVF	LANVYEYR	R	A	A	Y	R	G
AANQGALI	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AASLSPKDI	KIMSSIEKA	LSPKDPER	K	A	A	E	R	A
AAVDHYTC	HPAVVAAK	GVMDCLTI	K	A	A	T	K	I
AAVEEGILF	DDALNATR	GGGTALVK	R	A	A	V	K	A
AAVYDLQY	NPKHTAW	YDLQYILKA	R	A	A	L	K	A
ACTLTFESR	LLEVKENR	CTLTFESRH	R	A	C	S	R	H
ADFLVPGE	IPNLKIIKAI	STPYISLKVI	K	A	D	L	K	V
ADTYLLDD	LARAVYAR	AVDEHVAF	R	A	D	A	R	H
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AELDSNSL	VELNKDMI	LWNAYWL	K	A	E	L	R	L
AESDAVAE	VKGVVGSK	AEANDIDD	K	A	E	D	D	-
AFAEAYR	TGTQVFGK	KAFAEAYR	K	A	F	Y	R	Q
AFAPTTVN	IAEQIFWR	PTTVNSGR	R	A	F	G	R	G
AFLLDPAV	KQRIALAR	QSEEIVAK	R	A	F	A	K	N
AFQFFQLN	DPSKTIPKA	FQLNNVPF	K	A	F	P	R	L
AFSMNPAI	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AFSPLAEK	LPKENYSK	FSPLAEKKE	K	A	F	K	K	E
AGAEIVPK	IGDSIFDKA	AGAEIVPK	K	A	G	P	K	L
AGDLTEIGI	KRDFEILKA	DLTEIGEKC	K	A	G	E	K	G
AGESGSEG	KYSNDELK	SVPIEIPKKI	K	A	G	P	K	K
AGFPLQDL	DGNAMVS	CLITEGARC	R	A	G	A	R	G
AGISYAAYL	_____	NVAAQAIR	K	A	G	I	R	S
AGLTFPVG	ASQSRSAK	GLTFPVGR	K	A	G	G	R	V
AGREELER	YNEFLYSK	AGREELER	K	A	G	E	R	V
AHGGFSVF	ELINNIAKA	VFTGVGER	K	A	H	E	R	T
AHGNSGH	RIQSVTLKA	HDITTFGR	K	A	H	G	R	I
AHQTELTH	ARAYRIIRA	LTHHLLPR	R	A	H	P	R	N
AIADLAVG	LAYIGSDK	DLAVGEAK	K	A	I	A	K	Y
AIFEILNK	FQDVTREK	AIFEILNKS	K	A	I	N	K	S
AIFTDNSLL	SLVQTGSK	VQAAQDV	K	A	I	V	K	Y
AIFTESVK	TSATVLGR	AIFTESVKN	R	A	I	V	K	N
AIGVLPQLI	TVLFGVAR	LPQLIIDRA	R	A	I	D	R	A
AIGYQWY	ISPAMTIKA	IGYQWYW	K	A	I	W	K	Y
AIIVLSTSG	AVFEQKAK	STSGTTPRL	K	A	I	P	R	L
AIQQAADE	GLDPKISK	ADEVASGK	K	A	I	G	K	L
AISGTYMS	RKRDHAQI	GTYMSLIKI	K	A	I	I	K	E
AISLGLR	ETLSYFARA	RAISLGLRL	R	A	I	L	R	L
AKQPVKDC	NGIKFSLKA	LSTNVEAKI	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYKC	K	A	K	Y	K	Q
ALDADAFC	TDTEAAIK	LDADAFQF	K	A	L	Q	R	V
ALEEANAD	ASYLDKVR	ANADLEVK	R	A	L	V	K	I
ALEESNYEI	ASYLDKVR	SNYELEGKI	R	A	L	G	K	I
ALELKPDY	KVVEMSTK	ELKPDYSK	K	A	L	S	K	V
ALENPTRP	KELKYFGK	LAILGGAK	K	A	L	A	K	V

ALNAEGTC LVDRMVKF EHGVGIGK R	A	L	G	K	R
ALQVTPPE AVLHGGTK QVTPPEHK K	A	L	H	K	S
ALTTLVYSI FYSGGPLK/ SDNLNLQR K	A	L	Q	R	S
ALTVYPQP, EAASKFYK/ DLLGIYQR\ K	A	L	Q	R	S
ALVEAFYR AVRKDKKR ALVEAFYR" R	A	L	Y	R	T
ALVHHYEE FKNTEEGK, HYEECAER' K	A	L	E	R	V
ALWVFPEC ENVKKNKR WVFPEGTF R	A	L	T	R	S
AMFGFKKE FAFKDKIKA KKEEGYAK' K	A	M	A	K	W
AMLNNSM DQATKTRK NNSMSLYF K	A	M	Y	R	C
AMTIWQR ALSYDEQK, KAMTIWQ K	A	M	Q	R	V
ANEELLQA KELEEKLKA NEELLQAK K	A	N	A	K	H
ANELVESYI PISEGPERA NELVESYRI R	A	N	Y	R	K
ANELVESYI PISEGPERA ELVESYRK/ R	A	N	R	K	A
ANFTAEEK GEPDFSNK DKYALALKI K	A	N	L	K	D
ANLLSSSNI NQSFIQQK SSNFEATKI K	A	N	T	K	K
ANLLSSSNI NQSFIQQK SNFEATKK\ K	A	N	K	K	S
ANLQFQEF FLYILRSKAI ANLQFQEF K	A	N	E	R	E
ANQEVLEV LAGPLHGR EVLEWLFK R	A	N	F	K	L
APADVNAI HDENGVVI ETTPLNSK+ R	A	P	S	K	H
APDFVESN NKSVIYNK/ IFNLNTVK\ K	A	P	V	K	S
APGFGDNI QVKVCAVK APGFGDNI K	A	P	N	R	K
APGFGDNI QVKVCAVK PGFGDNRI K	A	P	R	K	N
APGILPR GRSRAQVK KAPGILPRF K	A	P	P	R	R
APGQSTVC SKVNKTKK, GLLAQLAK(K	A	P	A	K	Q
APILINNLLI AALNDPAK NLLDSGIRL K	A	P	I	R	L
APMTFFET LMTNSVLR FETTPIGRII R	A	P	G	R	I
APTFFVSQI IEGKRTLR/ FETEFFPRI R	A	P	P	R	D
APVPLTLEE KGKNQFEK QIDNVSLR' K	A	P	L	R	Y
AQAQNLA/ DFINEYKK/ LAAEEEERI K	A	Q	E	R	L
AQIYDDQL TLFQATYK/ DDQLQNYI K	A	Q	Y	R	D
AQLAPLIK EVITVVEK/ AQLAPLIK+ K	A	Q	I	K	K
AQSTWGN EMVSKAGI WGNSDFSI K	A	Q	S	R	R
AQVNSLIQ VVPPKYTK, LIQQNTAR K	A	Q	A	R	E
AQYEEIAQI DSIIAEVKA QYEEIAQR\ K	A	Q	Q	R	S
ARPVITDLF LIWATGNK PVITDLFKK K	A	R	F	K	K
ASAPGSVIL PEVEAAVK VILLENLRY K	A	S	L	R	Y
ASEFYYGF/ AKFLVFER/ YYGFAGPK R	A	S	P	K	E
ASLPNEPIC TEKLYLMR, ENLTPFIKL(R	A	S	I	K	L
ASLVYHDG MLTTDNLK DGSFNDSR K	A	S	S	R	L
ASNNDATF EIADEKEK/ NDATFGIK(K	A	S	I	K	K
ATFLKDDLI DREYITLKA ALADVLYK" K	A	T	Y	K	T
ATFSVDSR IGDGLSDR/ ATFSVDSRI R	A	T	S	R	D
ATIDILHAK EKLDSKGK/ TIDILHAKV K	A	T	A	K	V
ATLSTLFQE KTYCPYCK/ FQELNVPK K	A	T	P	K	S
ATMNCKLF AFLQVGAK VNIEFATR\ K	A	T	T	R	Y
ATTPNVNI FPLVGLPK/ NDPIYFLR(K	A	T	L	R	G
AVADVWS SPYDLNGK SDLEAEFK(K	A	V	F	K	Q
AVAFSQYP MLKDGVKI SSINELWR(K	A	V	W	R	Q
AVAHTVAI LDLVVFGR, PLPSDLGKI R	A	V	G	K	E
AVDALVPI(EPVQTGLK DALVPIGR(K	A	V	G	R	G

AVHETIAE(EYATRISKA HETIAEGKI	K	A	V	G	K	H
AVLEGKYD KDTVASFK, GIEDVVAK,	K	A	V	A	K	A
AVLEYGEPI HRNKFRSR EPIVVDGK'	R	A	V	G	K	Y
AVVAQFN/ SIVNEVLKA ASQLITQRI	K	A	V	Q	R	E
AVVEACGL PFNEARYK, VEACGLKR	K	A	V	K	R	D
AWISLAVE LRDDTLPK/ SPNYFVAK	K	A	W	A	K	L
AYFSCTSAI IATGGYGR, DGNAMVS	R	A	Y	S	R	A
AYGEGEEH KAERDEIK/ EPVVEIPKR	K	A	Y	P	K	R
AYLDELKD' VENEDQYK LDELKDVR(	K	A	Y	V	R	Q
AYLEDFYN IIRNKLYKA' EEIPEPAKE	K	A	Y	A	K	E
AYTEQNVE LQGPEALK, VETAHVAK	K	A	Y	A	K	E
CSNTTLPSE VHVPMEV EPLDTSKR1	R	C	S	K	R	T
DADEQGIH AIFESFVRD DEQGIHIRI	R	D	A	I	R	K
DAFIVLDS/ VVVELGGK FIVLDSAK	K	D	A	A	K	N
DALASHYG EDLLQDVR YGDEYINR'	R	D	A	N	R	Y
DANNEWF QVTCYGYK NNEWFFN	K	D	A	N	R	E
DAPTFQES LSINGIGKD ESALIADKL	K	D	A	D	K	L
DAPTFQES LSINGIGKD DKLLSVMK	K	D	A	M	K	A
DATIPTNEI NQFIQFLK EFVVDIIKA	K	D	A	I	K	A
DEDISGAS' CKSLDLEK ISGASYERI	K	D	E	E	R	N
DEEGQDVI LTIAEYFRD LFIDNIFRF	R	D	E	F	R	F
DEGKHYDT TLPSANSK FEIQGLPKL	K	D	E	P	K	L
DELATLQA IAEGWIPR ELATLQAR	R	D	E	A	R	L
DFAGDVR GNEYRRKR RDFAGDVF	R	D	F	V	R	V
DFDNIQNF EELEKLSRD QNFIVEEK	R	D	F	E	K	L
DFIQEHVP GEISFISKD QEHVPGPK	K	D	F	P	K	E
DFQSYIVS ALSSNISRD SLPGSTDK	R	D	F	D	K	S
DFYHATPA NINDLLNK TTTANGIK	K	D	F	I	K	F
DFYTAEGE' WPEEIKER YTAEGEYR'	R	D	F	Y	R	V
DGGLEMA GYLLHMNI LLGAGVIR(	R	D	G	I	R	G
DGPLSTNV LKAKQPVK LSTNVEAK	K	D	G	A	K	L
DGTEVLQS LQRSSFPK VLQSIEDR	K	D	G	D	R	K
DGTHYLSN RRFGMKHI THYLSNVR'	K	D	G	V	R	T
DGVAHLLN GGSRYATK GVAHLLNR	K	D	G	N	R	F
DGVYENIP MKRSVHFK VYENIPFK\	K	D	G	F	K	V
DIALGSSV\ SDVGQGPI GSSVVSIK	R	D	I	I	K	N
DIDNGYTL QESEELKK YTLSLMYK	K	D	I	Y	K	R
DIENQYET(QLIAKNRK QEVQSSAK	K	D	I	A	K	E
DIGGSSSTT AEGKHTTR FTNEIINKL	R	D	I	N	K	L
DINSQGFK YLENCNPR DINSQGFK	R	D	I	F	K	I
DKDHPNTL SRPLAGGR HPNTLHVR	R	D	K	V	R	G
DKFVEGLS RWKSLSTK VEGLSNNK	K	D	K	N	K	Y
DKFVEGLS RWKSLSTK GLSNNKYK	K	D	K	Y	K	I
DKGEILQR ITGTIHDR DKGEILQR	R	D	K	Q	R	C
DKVATLEQ YVTGVIAR TLEQILWR'	R	D	K	W	R	V
DLDDMTF(SSFDVTER DDMTFGEI	R	D	L	E	R	I
DLFEYTLA DTDANVPF YAAEISARF	R	D	L	A	R	R
DLQSTLDN SLVSKELK LTVDDLTKI	K	D	L	T	K	I
DLTHVEPP HGFSPVFK DVILVAPK(	K	D	L	P	K	G
DLVPDLTN LPHMFIVK TNFYQQYK	K	D	L	Y	K	S

DLYATIFGL	KEYIASRRD	YATIFGLRH	R	D	L	L	R	H
DQDSAVVS	GLFTLFVRD	AVVSSNIKH	R	D	Q	I	K	K
DQDSAVVS	GLFTLFVRD	VVSSNIKKI	R	D	Q	K	K	I
DQGELIGIL	SGEKKSPKI	LNNLGYSK	K	D	Q	S	K	D
DQPSVGVT	STLHQLAKI	FSILDTLKSI	K	D	Q	L	K	S
DQSQNENI	CGPCYGAK	ENLAQEEK	K	D	Q	E	K	V
DRFGNLNV	KWDVPGY	RFGNLNVN	K	D	R	V	M	-
DRIDSVSQI	NKHVEAVK	QNVAETTK	K	D	R	T	K	V
DRNSVIDA	LNPALSLKD	DAIVETHKI	K	D	R	H	K	N
DRYDDALN	EVEVGEKK	DDALNATF	K	D	R	T	R	A
DSAYTLGQ	YIPQEISRD	QLGLVQFR	R	D	S	F	R	D
DSGLWGFS	NHFSLSYKD	WGFSTATF	K	D	S	T	R	N
DSPLSVDSI	AEFQETLKI	SPLSVDSKT	K	D	S	S	K	T
DSSPINYGE	NTSFFQIRD	PINYGEEKS	R	D	S	E	K	S
DTDYDDFE	LAAGPVKK	DYDDFEMI	K	D	T	M	R	G
DTSHGEITL	HEVLKTVR	ITLSAPYKG	R	D	T	Y	K	G
DVAAPVTL	KHTLSWQK	VAAPVTLK	K	D	V	L	K	Y
DVALEFKD	AISGSSARD	QGITLMGF	R	D	V	G	R	R
DVETNELV	KVIGAEARI	VETNELVR	R	D	V	V	R	I
DVFLSQYFI	NLNKEVSR	QYFFTGLR	R	D	V	L	R	A
DVKEIHEES	NSNAMGV	KEIHEESKS	R	D	V	S	K	S
DVTTFLNV	ATTSQMAI	AEPEHDER	K	D	V	E	R	K
DVTTFLNV	ATTSQMAI	EPEHDERK	K	D	V	R	K	R
DWEPQESI	GTAIYMAR	QESEELKKI	R	D	W	K	K	D
DYAVFEPG	VAGANFGF	AVFEPGSR	R	D	Y	S	R	H
DYFSPSSEE	SPKGHVIRI	SSNHLLNK	R	D	Y	N	K	Y
DYLTTSPVF	CSREEFTRD	YLTTSPVRF	R	D	Y	V	R	F
DYNEDLVD	LQKTNIIRD	NEDLVDGF	R	D	Y	G	R	S
DYSLGATLI	MALSYFAK	AFLQVGAK	K	D	Y	A	K	A
DYVDQDLF	VEFAAELRI	DYVDQDLF	R	D	Y	L	R	K
DYVDQDLF	VEFAAELRI	YVDQDLRK	R	D	Y	R	K	W
EAAEAAIQ	NVSSSDAR	ENLQSVLK	R	E	A	L	K	-
EAISNQFIC	YSRYPALRE	NQFIQFLKI	R	E	A	L	K	D
EALNAVHA	RFAFLDAK	NAVHATVI	K	E	A	V	K	V
EALQILNLT	FDPKMNSI	LTENTLTKK	K	E	A	T	K	K
EANPSTQV	YVSYSLYRE	DTFPNGSK	R	E	A	S	K	R
EATFTTNV	IPSDPSERE	TNVENGEF	R	E	A	E	R	L
EAYPGDVF	LLRRPPGRI	DVFYLHSRI	R	E	A	S	R	L
ECPNIAGFI	LITKYGPKE	PHIDEALK	K	E	C	L	K	Q
EDNFDGVI	DTELTMVR	DNFDGVDI	R	E	D	D	R	T
EDVLSAWA	YIEFPVKRE	AGVRPLVR	R	E	D	V	R	D
EDYPNRDI	ESRGAHAR	RDDEHWM	R	E	D	M	K	H
EEGIGSFYS	GGFSRILKE	GFTPILFKQ	K	E	E	F	K	Q
EFDEAYDLI	EFTARYEKE	YDLFEVQR	K	E	F	Q	R	V
EFINDPR	ADLSSNTKI	KEFINDPRI	K	E	F	P	R	N
EGELVKR	FGSDRLVKI	KEGELVKR	K	E	G	K	R	T
EGFSHLYK	CLTKIVKKE	EGFSHLYK	K	E	G	Y	K	G
EGICGSCAI	LTFRRSCRE	CAMNIGGI	R	E	G	G	R	N
EGLALSSNI	ENSAVAAK	ALSSNISRD	K	E	G	S	R	D
EGTVPTDLI	TLIGPGAKE	DQETGLAR	K	E	G	A	R	L

EGVYEAVE	NIKQTDHK	EAVESLKR	K	E	G	K	R	N
EHAALEPR	NFGEGSSR	EHAALEPR	R	E	H	P	R	F
EISDAQEIR	YEYSSFLKE	ISDAQEIRL	K	E	I	I	R	L
EITTSEEIA	EFLSANKK	NGDSHVG	K	E	I	G	K	L
EIWSQYAP	DGRSFWP	SQYAPQLK	K	E	I	L	K	D
EKDELDNI	LEAEAAAK	LDNIEVSK_	K	E	K	S	K	-
EKFYAELA	HMDKINKF	FYAELAER	R	E	K	E	R	K
EKGELSKE	NELLTEIR	KELLASLKS	R	E	K	L	K	S
ELDHDTAD	NLKSASKK	TADEIDEK	K	E	L	E	K	T
ELDSWFQ	SELYAIAKE	SWFQDVT	K	E	L	T	R	E
ELEALVAM	EEDILLKKE	AMKPSQF	K	E	L	F	K	I
ELIVAITSD	ATETGAPK	IVAITSDKG	K	E	L	D	K	G
ELIVAITSD	ATETGAPK	SIHSQLAK	K	E	L	A	K	A
ELKDLQST	ETESLVSKE	LTVDDLTK	K	E	L	T	K	I
ELLASLK	REKGELSK	KELLASLKS	K	E	L	L	K	S
ELLSTVMR	EAVDRNEK	ELLSTVMR	K	E	L	M	R	E
ELMDENFC	ERWFPSSR	LMDENFCF	R	E	L	C	R	R
ELSDLENK	EEIKNLEKE	ELSDLENK	K	E	L	N	K	L
ELTYDLLQ	RVLDGGKK	PLLNQTIKE	K	E	L	I	K	E
ELVTAPLD	LNKVTGKK	TILEGVTR	K	E	L	T	R	D
EMKETGVI	REGNDLYR	INLEGESKV	R	E	M	S	K	V
EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
EMVSVEFD	FGSLMGSK	MVSVEFDK	K	E	M	D	K	K
EMVSVEFD	FGSLMGSK	VSVEFDKK	K	E	M	K	K	G
ENAPSIVFI	RDLFKTAR	DEIDAIGKA	R	E	N	G	K	A
ENIDPINQ	QVFEGTVR	YTDEAIWR	R	E	N	W	R	A
ENLEVSGE	FADKVYTK	VVEADLKR	K	E	N	K	R	F
ENPFGNSI	RIYQQSVK	YQQGFYSR	K	E	N	S	R	Y
ENTEGEFS	DIDLIVIRE	PGVVESLK	R	E	N	L	K	V
ENTEGEYS	NVDLVLIRE	PGVVQSIK	R	E	N	I	K	L
EQDPDNVI	KKFRKIRKE	DNVFLANK	K	E	Q	N	K	Q
EQIVPILNA	SAALLENR	VPILNAPR	R	E	Q	P	R	T
EQQVSVNI	LSNLPAVK	NSSHFEAK	K	E	Q	A	K	K
ERPIRDPN	IKEDSFDR	RDPNTWH	R	E	R	H	R	T
ESEEGESE	VETAHVAK	AEETKESH_	K	E	S	S	H	-
ESELLGGT	RSALKLVR	ELLGGTFK	R	E	S	F	K	S
ESEVSGSV	GGKKTVKK	SGSSTGVK	K	E	S	V	K	T
ESIANLDK	PLPSDLGK	IANLDKLR	K	E	S	L	R	N
ESNFLIDFL	PPAPAPKK	GVSAAVA	K	E	S	A	K	T
ESTLHLVL	LSDYNIQK	STLHLVLR	K	E	S	L	R	L
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETFLAGLID	STDNIGTR	VTDEHGIK	R	E	T	I	K	A
ETGVINLE	NDLYREM	INLEGESKV	K	E	T	S	K	V
ETSNFIKK	SRFQEIVK	ETSNFIKKV	K	E	T	K	K	V
ETVELESE	KVLFDVSK	ESEAFELK	K	E	T	L	K	Q
ETVESESS	SPPVVAYR	SSQTALSK	R	E	T	S	K	S
EVAAFAQF	KLFLAQYR	SDLDASTK	R	E	V	T	K	Q
EVDAIEYL	GYRGIFGK	EYLEQQLK	K	E	V	L	K	F
EVFEAATR	AKTGYGVR	EVFEAATR	R	E	V	T	R	A
EVGIVFGE	LTAVHVAK	GETLILDR	K	E	V	D	R	A

EVKDEQSY	RKLSKLTRE	EQSYIVIRE	R	E	V	I	R	E
EVNCQIVV	SKKKALCKE	VNCQIVVR	K	E	V	V	R	D
EVNELLQR	DERAQSQF	EVNELLQR	R	E	V	Q	R	Q
EVPAEPET	VPAVVNEK	TQPPVQVK	K	E	V	V	K	K
EVPAVVNE	VVQDSEPK	VPAVVNEK	K	E	V	E	K	E
EVQEQVQI	SEVFRRVKI	EQVQHTVF	K	E	V	V	R	L
EVSEVIDD	VRQTKIYKE	IDDGESSR	K	E	V	S	R	Y
EVTAALEN	GLAPEGSK	VGLVAGGK	K	E	V	G	K	S
EYIVPEILE	ESFTRHLRE	EILEAYVKG	R	E	Y	V	K	G
EYPDLTLET	NVAKELSK	LIDNSVLKV	K	E	Y	L	K	V
FACNDQYC	EAPKRATK	ACNDQYQI	K	F	A	Q	K	I
FADDLSNS	LLEDTPPKF	LSNSQLAK	K	F	A	A	K	K
FAFDFAK	PKTERIARF	RFAFDFAK	R	F	A	A	K	K
FAIQDNHH	VSFLEKPKF	QDNHHITK	K	F	A	T	K	V
FALAGAIG	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FAQGYELS	VSTKLLIKF	AQGYELSR	K	F	A	S	R	R
FDDLIAEE	GYKKLGLKI	PIMQTALR	K	F	D	L	R	R
FDGILGLG	GLTFAFGK	YDTISVDK	K	F	D	D	K	V
FFDATPTG	KVLHSKIRF	FDATPTGR	R	F	F	G	R	I
FFIDNLGY	GGYEVFKK	LGYDTASR	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FFVGEGLP	HWVESMS	EPFAFEYK	K	F	F	Y	K	D
FGDIDTAT	AMSKLKEK	ELSTQPAK	K	F	G	A	K	E
FGGEEGLL	INGSGYGK	LLGLCNAK	K	F	G	A	K	S
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FGLPHADD	THNTSMYK	IGQHIVIKA	K	F	G	I	K	A
FGSYYLR	WDEAHFG	KFGSYYLR	K	F	G	L	R	H
FIGDSVAA	LGEENRVR	AIGIPVNK	R	F	I	N	K	A
FILQSGDE	KNDLEQYR	SGDEFFLK	R	F	I	L	K	G
FINNFIFK	IRLQMKAK	FINNFIFKN	K	F	I	F	K	N
FISEVENTD	LDSIRAARF	NTDPTQER	R	F	I	E	R	V
FITFLDAVY	YVRDEVRR	AVYDSGGK	R	F	I	G	K	L
FKESLMAT	PDKVAAQK	ESLMATEK	K	F	K	E	K	H
FLDAENDP	VNGKGELK	ENDPEVFK	K	F	L	F	K	A
FLDLSSEIS	TNSENVNK	SNLSQGQF	K	F	L	Q	R	Q
FLEQQNQV	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLEWLNEC	IEAVSLPKF	FLEWLNEC	K	F	L	E	Q	-
FLGGFAIIT	EHAALEPR	GGFAIITKS	R	F	L	T	K	S
FLSQPFAV	ERARKIQRI	VFTGIPGKL	R	F	L	G	K	L
FLWHENE	FFQFQKKR	EQVFSSPKI	R	F	L	P	K	F
FMSLRPFG	PQLAAMSK	FGNDNML	K	F	M	L	R	Y
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNVTVAQL	CGLARLAR	VTVAQLPK	R	F	N	P	K	D
FNYVAVGD	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FPTPILK	_____	RFPTPILKV	R	F	P	L	K	V
FPYAVLEV	LDDKDICR	PYAVLEVKI	R	F	P	V	K	L
FQDLMMII	SLDTKWSK	QDLMMIR	K	F	Q	R	K	V
FQDTLYK	VFTEGWPK	KFQDTLYK	K	F	Q	Y	K	K
FQGPALTE	PSTTIVIKF	EEIYSLFRR	K	F	Q	F	R	R
FQLEVTTP	PLDVVKTR	PTAAAVGK	R	F	Q	G	K	Q

FRHELSSLA	ASKEDVQK	DAFGTAHF	K	F	R	H	R	A
FSIIAGGSP	VNEDIRRR	HGNTEHGI	R	F	S	G	R	K
FSQNAIEEA	GLAYDLKK	ALIQQEQK	K	F	S	Q	K	K
FSQNAIEEA	GLAYDLKK	LIQQEQKK	K	F	S	K	K	I
FSQNIDLSC	NSNPLKVR	ASVHVLGR	R	F	S	G	R	E
FSSSSGYG	GGRGGGG	GYGGGSSR	R	F	S	S	R	V
FTCNATHE	REVPELLKF	ATHELVVR	K	F	T	V	R	T
FTDGGLFT	ISSAKLDKF	GLFTLFVR	K	F	T	V	R	D
FTGCNVIG	GPAREIARI	NNDYQIAK	R	F	T	A	K	A
FTQAGSEV	LFIDNIFRF	EVSALLGR	R	F	T	G	R	I
FTVTLIPGD	LPKKYGGR	IPGDGVGK	R	F	T	G	K	E
FVDESLLST	VVEADLKR	LSTLPAGK	R	F	V	G	K	S
FVEFADTV	YYLNYMTK	DTVLMVLK	K	F	V	L	K	H
FVFNPPKP	WAGIKTRK	VFNPPKPR	K	F	V	P	R	K
FVKPCVVD	RKILQSSKF	CVVDVAVK	K	F	V	V	K	I
FVPSKPMC	SGDAALVK	SEYPPLGR	K	F	V	G	R	F
FVTDYNSE	QLLRILIKF	VTDYNSER	K	F	V	E	R	Q
FVVTAADV	VPVDTHIR	AIPSLGIKV	R	F	V	I	K	V
FWFYDDV	NSTRPDHR	DDVTQYGF	R	F	W	G	R	T
FWVHDDN	DASFKSYK	DDNIMEVK	K	F	W	V	K	A
FYAELAER	DKINKREK	FYAELAER	K	F	Y	E	R	K
FYDPESGR	TILKLVFR	FYDPESGR	R	F	Y	G	R	I
GAFDLCLK	TQPFFTAR	GAFDLCLK	R	G	A	L	K	S
GAILSGPP	KMGAKIPR	SGPPGTGK	R	G	A	G	K	T
GALAYIGS	EDFKYNHK	LAYIGSDK	K	G	A	D	K	A
GCGANILR	EGVGSLFK	GCGANILR	K	G	C	L	R	G
GDEDPEKL	VIEIMDQR	HTLTTSFR	R	G	D	F	R	I
GDVDLVIN	GKAISSSR	DLVINYLK	R	G	D	L	K	S
GEQSEQQI	KGWFGYN	SEQQIAER	K	G	E	E	R	V
GFGPTMLF	GGIGAFFK	GFGPTMLF	K	G	F	L	R	A
GFISPYFIT	TEGMRFDF	PYFITDPK	R	G	F	P	K	S
GFLPSVVG	DGVAGLYR	VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV	GGGGGGF	AVVSGGSR	R	G	F	S	R	R
GGGGGGY	TISGGGSR	GGGGGGG	R	G	G	G	R	G
GGLIVELG	NVVKPEIK	LIVELGDKT	K	G	G	D	K	T
GGNVLPIH	_____	LPIHYDPKT	M	G	G	P	K	T
GGSGGSH	YGGGSGSR	GYGGGSGI	R	G	G	G	K	S
GGSGGSYG	GSYGRGSR	YGGGSGSR	R	G	G	S	R	G
GGSISGGG	YGSGGGSK	GYGSGGGI	K	G	G	G	K	H
GGVNHVS	EIMTDAIR	HVSQDLAK	R	G	G	A	K	R
GHFQLVVK	PVSDLSQK	GHFQLVVK	K	G	H	V	K	H
GINSSYAV	RSLFKEGR	VWNDVTG	R	G	I	G	K	A
GIRPAINV	LEAELFYK	NVGLSVSR	K	G	I	S	R	V
GISELGIYP	DATTVLSR	AVDPLDSK	R	G	I	S	K	S
GISSPMLM	EGFSRLYR	PMLMEAP	R	G	I	P	K	R
GITSPILME	EGFSHLYK	PILMEAPK	K	G	I	P	K	R
GITSYAVSP	HMGGPKQ	AVSPYAQK	K	G	I	Q	K	P
GITSYAVSP	HMGGPKQ	NAVFNSFR	K	G	I	F	R	R
GKDLSPAI	KIVADLKK	SPAINYTKL	K	G	K	T	K	L
GKHDTAGS	NSTIDALR	ALTGALFK	R	G	K	F	K	S

GKWDVPG	KVEEMVKK	KWDVPGY	K	G	K	Y	K	D
GKWDVPG	KVEEMVKK	DVPGYKDF	K	G	K	D	R	F
GLAVNDFL	PEQNSSKR	VNDFLQVK	R	G	L	V	K	G
GLCGSIHS	IVAITSDKG	SIHSQLAK	K	G	L	A	K	A
GLEGAILR	ELLGNLGK	GLEGAILRE	K	G	L	L	R	E
GLFLEDESL	IMDEAAER	DESLNSSRS	R	G	L	S	R	S
GLGNPLLY	LYAITFRKG	LLYDGVER	K	G	L	E	R	V
GLIHSLVQ	AYDTLGEK	SLVQTGSK	K	G	L	S	K	A
GLLIDNK	LEEQDSRR	RGLLIDNKL	R	G	L	N	K	L
GLLIDNKLC	LEEQDSRR	KLQLLGAK	R	G	L	A	K	G
GLNPGLAI	NCTRTCPK	GLAIAEIKK	K	G	L	I	K	K
GLNPGLAI	NCTRTCPK	LAIAEIKKSL	K	G	L	K	K	S
GLNVALVE	CALDAATR	LNVALVEK	R	G	L	E	K	G
GLSLEEIQE	FFFVPETKC	EEGVLPWK	K	G	L	W	K	S
GLTLEEVN	LLVVPETKC	EEGVLPWK	K	G	L	W	K	S
GLVWEGS	YGGMRGIK	LDPEEGIRF	K	G	L	I	R	F
GLYYGSYR	VMFMHM	GLYYGSYRS	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK	IVLFGSDRL	K	G	M	D	R	L
GNFELLVK	TSLDGDTK	GNFELLVKS	K	G	N	V	K	S
GNFFSSNP	PLTAKQSK	SFVVDTYK	K	G	N	Y	K	Q
GNNYDLEL	GWIPSSRR	HDDKPWY	R	G	N	Y	K	A
GNTANVLF	EGIVSFWR	GNTANVLF	R	G	N	L	R	Y
GPAPLNLE	DISGRIRKG	DGDKVIVG	K	G	P	V	G	-
GPIDAAGR	LGNPIDGK	GPIDAAGR	K	G	P	G	R	S
GPYESGSG	GSGWSSSF	HSSGLGHR	R	G	P	H	R	E
GQFPEVYV	CLLIVFSKG	ADVEVDGF	K	G	Q	G	R	R
GQFPEVYV	CLLIVFSKG	DVEVDGRF	K	G	Q	R	R	V
GQMNFILC	NSSVYYHR	QAGKDFDI	R	G	Q	D	K	A
GSAPLFGN	HRPRHYGK	NFLEPLTKT	K	G	S	T	K	T
GSDWLGD	WHMYDTV	DSIHYMTR	K	G	S	T	R	E
GSIDITTTN	QERIEQIKC	TTTNSYEKE	K	G	S	E	K	E
GSLGGGFS	SLRISSSKG	FSGGSFSR	K	G	S	S	R	G
GSNNIFAIC	VNDFLQVK	QEAEYLAK	K	G	S	A	K	N
GSVPIYWA	VFSFLQTR	WAEINNLK	R	G	S	L	K	Y
GSVTSVQA	ERITTTKKG	DATTVLSR	K	G	S	S	R	G
GTITDTELC	TGYARVAR	DTELQVGK	R	G	T	G	K	F
GTNDAVIH	FFKLAEGK	ANQDQGV	K	G	T	V	R	V
GTPNDAYV	PQKPGGVF	YVPPPENK	R	G	T	N	K	L
GTTFDTQIF	DQISKIPKG	TTFDTQIRA	K	G	T	I	R	A
GTVTSAEP	DAHNGLLK	SAEPLDPKS	K	G	T	P	K	S
GVAGAGVI	GCGANILR	LQMILFGK	R	G	V	G	K	K
GVAGAGVI	GCGANILR	QMILFGKK	R	G	V	K	K	F
GVATDLSH	LYDLKGAK	IPTNSVVKC	K	G	V	V	K	G
GVETLAEA	EGRASLLK	VAATLGPK	K	G	V	P	K	G
GVEYLDLE	HPLAGLDK	SQGLIPSRC	K	G	V	S	R	G
GVIYDCPN	LTTPVFGK	IYDCPNSRL	K	G	V	S	R	L
GVSDEANL	SILEERIKG	ANLNETGR	K	G	V	G	R	V
GWDVAFY	IYEENGMR	DVAFYKPR	R	G	W	P	R	N
GYDAGEN	HGDGLPQF	YQAPPADF	R	G	Y	D	R	S
HALIVYDD	EWFRDNG	IVYDDLSKC	K	H	A	S	K	Q

HANEVGLL NEELLQAK LLSITQVKE K	H	A	V	K	E
HAQEAPQI LCGGGFLR QEAPQFSK R	H	A	S	K	V
HEDLVNSI VVGTGNIK LVNSIESKN K	H	E	S	K	N
HEFYHDVH KFGSYYLR DVHPPLGK R	H	E	G	K	M
HETKDPVV NLNDLVAR NTHIIVYRE R	H	E	Y	R	E
HGSGSGHS GQSPSRGR GWSSSSGF R	H	G	G	R	H
HGVFTFLT GEFILPDR TFLTDYRKI R	H	G	R	K	I
HGVQELEI AKEVTQLR ELQSQLSKI R	H	G	S	K	K
HIGGNSDL PNVYINGK SDLETLKKN K	H	I	K	K	N
HITFIGSQP FTSHPGFK PVAHYILK K	H	I	L	K	C
HIYQSAAA TGSTATGR QSAAAGLK R	H	I	L	K	K
HKDGTHYL FLRRFGMK THYLSNVR K	H	K	V	R	T
HLANDEYP DKDVKAIR LANDEYPR R	H	L	P	R	S
HLIWDTAK IHYGGAIR HLIWDTAK R	H	L	A	K	E
HLNDQPN QLAKAVRR DIVTIGDK R	H	L	D	K	I
HLNDQPN QLAKAVRR VTIGDKIK R	H	L	I	K	M
HQDTDAFL YFDIITIKH FLHSHLAR K	H	Q	A	R	Y
HSGQAEG NLHGIFGR YTDANIKK R	H	S	K	K	N
HSNAAQN AFSGGVYR QNVLADM R	H	S	M	R	V
HVEAVKDF VLNASRNK QNVAETTK K	H	V	T	K	V
HYDTENNF ANSKDEGK FEIQGLPK K	H	Y	P	K	L
HYSHVDCP VEYETAKR PGHADYIK R	H	Y	I	K	N
IAESLDAN LIIKRIRKIA VDSSNEGR K	I	A	G	R	S
IANVVHFY GSAPNAKR ANVVHFYK R	I	A	Y	K	S
IAPALVTG PLLMWAV TGNTVVLK K	I	A	L	K	T
IAQNEVFG VDVTPEM GPILVMMI K	I	A	M	K	A
IASDFGVL NRLGCFEK DAHNGLLK K	I	A	L	K	G
IASITVQPD RLVDENGK PDIPICIKK K	I	A	I	K	K
IASLMGFIK PVQGEVV ASLMGFIK K	I	A	I	K	L
IAVACSGG SNSSNMP ACSGGGYF K	I	A	Y	R	A
ICAEVDR LFANRPTR RICAEVDR R	I	C	D	R	S
ICLPTFESE RMNKSAA FESEELIKLT R	I	C	I	K	L
IDATDEEVI WENVKFG EVITVVEKA R	I	D	E	K	A
IDHAGHQ FLMVEGSR NDPASQVF R	I	D	V	R	E
IDQLNWK QYFKKAYK KIDQLNW K	I	D	W	K	M
IDSEEAEYI VSTKFNSR SEEAEYIKL R	I	D	I	K	L
IDSFIQPVI NFAHQDP PVIYGYAK R	I	D	A	K	T
IDSVSQLQ HVEAVKDF QNVAETTK R	I	D	T	K	V
IDYENHGV GHSKLYM DYENHGVF K	I	D	V	R	K
IEAVSLPK GHANMPI IEAVSLPKF K	I	E	P	K	F
IEGLPSER KDELTSAK IEGLPSERE K	I	E	E	R	E
IEISELNR GDSVRNS IEISELNRVI K	I	E	N	R	V
IFENCAQM KTADMAM ENCAQMA K	I	F	A	K	D
IGASALGG DKLNPFEK NQPIEVIRV K	I	G	I	R	V
IGDSIQIK SKMIGELK IGDSIQIKG K	I	G	I	K	G
IGDYILK QSFTSIARI RIGDYILKS R	I	G	L	K	S
IGEFESSFL LDGIELSRI SSFLSYLKS R	I	G	L	K	S
IGESWVITE IKRYTGGR SWVITEGR R	I	G	G	R	R
IGGFVTNL DDNEDLN FVTNLNYK K	I	G	Y	K	D
IGINNHVV ALFTRMYK WDEAHFG K	I	G	G	K	F

IGLEVDKR	IAGLGAEKI	IGLEVDKRC	K	I	G	K	R	G
IGLFGGAG'	APYARGGK	FGGAGVGI	K	I	G	G	K	T
IGLKPNDD	EIGRGLVKI	LYAATSHK'	K	I	G	H	K	W
IGSLKEYK	VPDYYGEK	IGSLKEYKC	K	I	G	Y	K	Q
IGVLANHV	NLPAKSGR	VMEGSNSI	R	I	G	S	K	K
IHLFGKPAT	ALEHNEVK	KPATGDLK	K	I	H	L	K	R
IIANEGWK	SNLQGFRK	IANEGWKI	K	I	I	K	K	V
IIEEHDTPL'	DLDETINKI	DSQTEINRI	K	I	I	N	R	I
IIGSSVLEIL	FKSSLFHRI	APNFQTSR	R	I	I	S	R	R
IINVIGEPIC	VGRETLGR	IGEPIDERG	R	I	I	E	R	G
IINVIGEPIC	VGRETLGR	IDERGPIKS	R	I	I	I	K	S
IISGLGVGG	WYQYFIGR	LISEIAPKHI	R	I	I	P	K	H
IITHPNFNC	EQFINAAK	DNDIMLIKI	K	I	I	I	K	L
IKDEQDSTI	MVLDALLK	QDSTLTFRI	K	I	K	F	R	R
IKDEQDSTI	MVLDALLK	DSTLTFRRS	K	I	K	R	R	S
IKFEMEQN	RMTLDDFF	FEMEQNLF	R	I	K	L	R	Q
IKGVSDEAI	VSSILEERIK	ANLNETGR	R	I	K	G	R	V
IKPEIDAKV	LTVDDLTKI	AKVEEMVI	K	I	K	V	K	K
ILEEYDGDI	ELENNLKKI	EYDGDIGK	K	I	L	G	K	M
ILIAEGWIP	SNYDTNRK	IAEGWIPRI	K	I	L	P	R	D
ILIAEGWIP	SNYDTNRK	ELATLQARI	K	I	L	A	R	L
ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILLEDTPPK	TNYSRGQK	LLEDTPPKF	K	I	L	P	K	F
ILMHLSNT/	NIHDLRVK	SNTANPYR	K	I	L	Y	R	D
ILNYTPVSK	_____	LNYTPVSKI	K	I	L	S	K	I
ILSNEQIYN	ESTCSGKKI	SNEQIYNR'	K	I	L	N	R	W
ILYGHLDDF	RPFTYAEKI	PHGQDIQF	K	I	L	Q	R	G
IMFFDEAT'	RVLLKNAR	HTEQALLR'	R	I	M	L	R	T
IMSSIEK	DAQEIRLKI	KIMSSIEKA	K	I	M	E	K	A
IMTFQHDE	LYSAKEGKI	SAIAQMFK	K	I	M	F	K	N
INATQEQS	LIKMNGGF	SGQDSLEK	R	I	N	E	K	L
INWGPVLT	KINKKKAKI	TDLPMWD	K	I	N	D	K	Q
IPDIDLIVIR	SLKGVKTRI	DIDLIVIRE	R	I	P	I	R	E
IPEAMFR	HDITTFGRI	RIPEAMFR	R	I	P	F	R	S
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IQDNLKPV	MGGIPVPF	EIYAPDLKN	R	I	Q	L	K	N
IQFGGDEV	KRHELIHRI	FGGDEVVK	R	I	Q	V	K	A
IQLEPTVYN	PIDVVKTRI	LEPTVYNK	R	I	Q	N	K	G
IQQEQMG	EEEKEKIRI	GGQTFTLK	R	I	Q	L	K	D
IREEQLAVF	DRPDVLAK	REEQLAVR	K	I	R	V	R	N
IREESSHH	DLSLEKGRI	SHHDLQIK	R	I	R	I	K	E
IRVDKDPN	SRGDILVRI	KDPNFSIK	R	I	R	I	K	N
ISFLYNILR	EYSPLLYRI	SFLYNILRSI	R	I	S	L	R	S
ISIFEAVHG	PSANIGHK	PDIAGQDK	K	I	S	D	K	A
ISIFYNDPV	MKAGTYPK	EKPIFNAKT	K	I	S	A	K	T
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ISYAIYMSG	DMNGTKH	VLLNVLSK	K	I	S	S	K	C
ISYKPASFI	LLPEDTKRI	KPASFISKF	R	I	S	S	K	F
ISYLYEFLR	EYSPLLYRI	SYLYEFLRS	R	I	S	L	R	S

ITDATPASF TGLVVTTRI FSSHVDYR'	R	I	T	Y	R	W
ITGSTATQL AKVISSLRIT ATQLSSFKI	R	I	T	F	K	K
ITGSTATQL AKVISSLRIT TQLSSFKKF	R	I	T	K	K	R
ITPSYVAFT LANEQGNF VAFTDDER	R	I	T	E	R	L
ITSTDPNAI RNVFKDGK DPNADYGI	K	I	T	G	K	N
IVAAEGVG GAFDCLRK EGVGSLFK	K	I	V	F	K	G
IVAPLTDR GARMIYQK IVAPLTDRY	K	I	V	D	R	Y
IVDMGLVP LLEKLHRRI' VDMGLVPI	R	I	V	P	R	I
IVFHNDND GQDRGGM NDNDTPVI	R	I	V	V	K	L
IVGEAITNF NIVSGFGKI EAITNHPKI	K	I	V	P	K	I
IVGYDDLN KRERDHNK WYPEGIAK	K	I	V	A	K	I
IVKEEIFGP' GDVKEDM GPVVTVTK	R	I	V	T	K	F
IVYYLDSPD AMKPSQFK GGVGYITK	K	I	V	T	K	D
IYLNQSK _____ RIYLNQSKF	R	I	Y	S	K	F
IYQSAHDA EDRRQSGK SAHDAINR	K	I	Y	N	R	I
IYSVLPK SFEKIVQKI' KIYSVLPKK	K	I	Y	P	K	K
KAAFLGSE' GTKPVLKK AFLGSEVRI	K	K	A	V	R	L
KAGISYAA' _____ NVAAQAIR	R	K	A	I	R	S
KAMLNNSI RDQATKTR NNSMSLYF	R	K	A	Y	R	C
KAPGQSTV LSKVNKTKI GLLAQLAK	K	K	A	A	K	Q
KDRYDDAL SEVEVGEK DDALNATF	K	K	D	T	R	A
KESNFLIDF LPPAPAPKI GVSAAVAK	K	K	E	A	K	T
KEVEFLKNI AVETNLLKI EVEFLKNK	K	K	E	N	K	T
KFFENHPS' REALENER NHPSYSSK	R	K	F	S	K	A
KFFIDNLGY FGGYEVFK LGYDTASR'	K	K	F	S	R	Y
KFISAYDAK EKCPSIIKKF AKPDFVAR	K	K	F	A	R	S
KFRPAPAA LSKCAGSKI APAAAFAR	K	K	F	A	R	E
KFVFNPPKI KWAGIKTR VFNPPKPR	R	K	F	P	R	K
KGEELEIVG RVERGNLK GHNSTPLK	K	K	G	L	K	T
KGLGNPLL' QLYAITFRK LLYDGVER'	R	K	G	E	R	V
KGPAPLNL YDISGRIRK AYEFDGDK	R	K	G	D	K	V
KGSVTSVQ QERITTTKK DATTVLSR	K	K	G	S	R	G
KGWTGQY INAEIGAKK YTLDCNTR	K	K	G	T	R	D
KIPLLGPTL KFQDTLYK TPPEDKPN	K	K	I	P	N	-
KISSIQDILP PLLLLSEKK LEISNQSRF	K	K	I	S	R	R
KLDDLEEN' SKYNAVLR DDLEENTK	R	K	L	T	K	S
KLDNPAIG VQAISLFKK NPAIGPMF	K	K	L	M	R	K
KLSSYAQSF IVLNMFEK HLENTSIKV	K	K	L	I	K	V
KLYCVYVA' NNGSDESK VYVAVGQI	K	K	L	Q	K	R
KLYCVYVA' NNGSDESK YVAVGQKF	K	K	L	K	R	S
KMDEAEQ EKAKISAKK EAEQLFYK	K	K	M	Y	K	N
KPADLASL KPNGLSEK GDEAPALK	K	K	P	L	K	L
KPIEIASLVS FRFVGLPK SLVSDIPRG	K	K	P	P	R	G
KPIHADPPS GPIKSKLRK EILETGIKV'	R	K	P	I	K	V
KPMNEIEN AKMRKEGI EIQYVMLK	K	K	P	L	K	K
KPSISPTVG RLFELTDRK ISPTVGHK'	R	K	P	H	K	Y
KPTLDDVL DTEIDLSKK TLDDVLKK	K	K	P	K	K	I
KTELIFVDD GMSPEMA AHQGYNV	K	K	T	V	R	I
KTFGLFAN' RSLNLTLRK FANVRPAK	R	K	T	A	K	S
KVDATTITA LRLKTMVK DATTITAKT	K	K	V	A	K	T

KVEITLEK	NNYGTALK	KVEITLEKE	K	K	V	E	K	E
KVSDVLNA	DFADARM	SDVLNASR	K	K	V	S	R	N
KVTAVVES	HPFDPVSK	VESPEGER	K	K	V	E	R	I
KYAGILDCF	LKQGTLDR	AGILDCFKF	R	K	Y	F	K	R
KYAGILDCF	LKQGTLDR	GILDCFKRT	R	K	Y	K	R	T
KYDQLTIDF	FLNENDTK	TIDPNGNR	K	K	Y	N	R	F
KYEDEINKF	DLVEDYKK	YEDEINKRT	K	K	Y	K	R	T
KYLENCNP	SGFFGLQK	YLENCNPR	K	K	Y	P	R	D
KYNVSIISPI	FLKHIDTKK	NVSIISPRS'	K	K	Y	P	R	S
LAADDFR	LLQIDNARI	RLAADDFR	R	L	A	F	R	L
LAADVPLE	PQTASTSK	VPLEPESKA	K	L	A	S	K	A
LAAQIFGS'	SPNYFVAK	NAFEPASR	K	L	A	S	R	L
LADGLFVN	VHKSTIQRI	GLFVNVAK	R	L	A	A	K	E
LADVSAEA	HEFVFNAK	LTTPVFGK(	K	L	A	G	K	G
LAEILKPVF	ETLKKNGK	EILKPVFQ_	K	L	A	F	Q	-
LAGAEEW1	PCHTRDIK	QNYHLSSK	K	L	A	S	K	M
LAGNASW	LAGVEAEK	WGELFSSK	K	L	A	S	K	T
LAGNASW	MAGIEAEK	WGELFSTK	K	L	A	T	K	T
LAGYLTGL'	GTVLEAAK	TGLVVTTR	K	L	A	T	R	I
LAHLEEINS	IEKERNGR	SEVNDLSK'	R	L	A	S	K	S
LAISLEHTG	EDEKLKEK	LEHTGIFKF	K	L	A	F	K	F
LALLESLGA	PDDTSLEK	SLGATVNK	K	L	A	N	K	V
LANVSAVT	CAAPFTSK	SAVTNIIRC	K	L	A	I	R	Q
LAPSTLQD/	LRELKDTK	LQGPEALK.	K	L	A	L	K	A
LASDYIK				L	A	I	K	
LAVQDPNF	YLRDIKSK	VQDPNFLK	K	L	A	L	K	L
LAYEACGG	ILSPKVVK	EACGGNPK	K	L	A	P	K	D
LCGWGDD	PTLNVGLR	GWGDDNF	R	L	C	P	K	Y
LCVPVANC	LKSPVLSK	FINLAGYK	K	L	C	Y	K	K
LCVPVANC	LKSPVLSK	INLAGYKK	K	L	C	K	K	L
LDFDQETY	INELQLHK	IGVQWFPK	K	L	D	P	K	L
LDGLGPFV	LEVARKER	GLGPFVSR	R	L	D	S	R	L
LDKFTDGG	SGLISSAK	GLFTLFVR	K	L	D	V	R	D
LDPSTPVS	EFASKYAK	VSLINDPR	K	L	D	P	R	H
LDQPILPQ	PNDYAAVF	DSNEDNLK	R	L	D	L	K	N
LDSKPFFKE	LKPVFQVR	NYDELVVK	R	L	D	V	K	I
LEEDFSEIQ	TAGRDLER	EIQNFIIKN	R	L	E	I	K	N
LEFANLTP	NTNNLQTK	ANLTPGLK	K	L	E	L	K	N
LEFANLTP	NTNNLQTK	SLTPGVAK'	K	L	E	A	K	S
LENEIQTYF	QLLDIKIRL	ENEIQTYRS	R	L	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK	K	L	E	I	K	G
LESVVMPV	AAQSSLLR	TALALFTR	R	L	E	T	R	M
LETENDGV	VSLFGIYKL	DGVVGLVK	K	L	E	V	K	S
LETLDNQT	RNTGLTPK	TLDNQTM	K	L	E	M	R	N
LFAGMSPE	NIKPLTTRL	GMSPEMA	R	L	F	A	K	K
LFDNIIVFP	DLYDKEQR	NIIVFPTKG	R	L	F	T	K	G
LFDPYEILG	AIKDAATK	ISTSASDR	K	L	F	D	R	D
LFEEQLDK	ESFTKAAR	NNEDEKLK	R	L	F	L	K	E
LFESLHDH/	HPPETVPK	HAFTLGTR'	K	L	F	T	R	Y
LFGVEGTY/	AAAPPPVR	ALYQAAAK	R	L	F	A	K	N

LFLAQYR	KQVAGSLK	KLFLAQYR	K	L	F	Y	R	E
LFLGQGLIT	GSIEFVSKL	LGQGLITK	K	L	F	T	K	Y
LFLNELGIY	GAVPNTIR	LGIYPSPKG	R	L	F	P	K	G
LFLSLQQT	WLNALLGF	QQTDTLN	R	L	F	N	K	F
LFTLEDAK	GDIHTLGK	LFTLEDAK	K	L	F	A	K	I
LFTLFPGLG	FSEPLGKR	LGYAASYK	R	L	F	Y	K	V
LGAFNDFL	TRTGKRTR	DFLNSASR	R	L	G	S	R	Y
LGDASCAA	GDEAPALK	CAAPFTSK	K	L	G	S	K	L
LGEHNIDV	YKSRIQVR	EQFINAAK	R	L	G	A	K	I
LGEMIAR	ELATLQAR	RLGEMIAR	R	L	G	A	R	L
LGHLLLNP	STVKKNPK	LNPALSLK	K	L	G	L	K	D
LGHLLLNP	STVKKNPK	PALSLKDR	K	L	G	D	R	N
LGIDVPSI	RLGEMIAR	HTPPTFHR	R	L	G	H	R	T
LGLGGGG	TNIYNAER	AEVFPQHK	R	L	G	H	K	Y
LGLKFDDL	INLAGYKK	PIMQTALR	K	L	G	L	R	R
LGPISNLVK	YLDKVESK	GPISNLVK	K	L	G	V	K	S
LGTAPATL	TFSGRGQR	TSGTDSGR	R	L	G	G	R	A
LGYHFGPS	ANHFGADI	AEAVMAPI	K	L	G	P	K	A
LHAIDGED	LELKEAQK	AIDGEDEL_	K	L	H	E	L	-
LHPLAGLD	GMHVDTA	HPLAGLDK	R	L	H	D	K	G
LHQLDGIP	EQKEQIKR	QLDGIPHA	R	L	H	H	A	-
LHSHDHKP	FHTVTRCR	SESSDWQ	R	L	H	Q	K	E
LIDEYGDD	EGSVIIGK	EYGDDFAK	K	L	I	A	K	G
LIELPLEER	IVLEDGTK	IELPLEERY	K	L	I	E	R	Y
LINASESTD	LLDENMM	NASESTDR	K	L	I	D	R	C
LIPFLEYLA	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LIQMEDAT	NASYLEER	TDQIEVQK	R	L	I	Q	K	N
LIQMEDAT	NASYLEER	KNDLEQYR	R	L	I	Y	R	F
LIVAEAPTA	AVPTHFFK	APTANPAR	K	L	I	A	R	E
LKAELMDC	QQYGNKTI	LMDQSGN	K	L	K	N	R	T
LKANEELL	KDKELEEK	NEELLQAK	K	L	K	A	K	H
LKDTVASF	GIPGKLVR	KDTVASFK	R	L	K	F	K	A
LKNAVQN	SPAINYTK	ELNFDAVK	K	L	K	V	K	D
LKPIEVELR	NKISANEK	KPIEVELRR	K	L	K	L	R	R
LKWELAQF	KVYRAAER	LKWELAQF	R	L	K	Q	R	E
LLDAAVVG	DPLDSKSR	EHYDVASK	R	L	L	S	K	V
LLDAAVVG	DPLDSKSR	QETLQTYK	R	L	L	Y	K	S
LLDNIQEY	ASRLQGIK	NHFSLSYK	K	L	L	Y	K	D
LLDTDTSM	LLEEGQLR	VPVDTHIR	R	L	L	I	R	F
LLIDHLEK	KMQWHR	LLIDHLEKL	K	L	L	E	K	L
LLIQNQDE	ASPIERVK	QNQDEML	K	L	L	L	K	Q
LLSQGWLF	PNYARYER	SQGWLFGI	R	L	L	G	R	K
LMDSNND	TSVSKVLK	DAVQTLQ	K	L	M	Q	K	L
LMSTTDLQ	ELDALNNK	GQLVAMQ	K	L	M	Q	R	K
LNDKQTGL	LSTNVEAK	NTNNLQT	K	L	N	T	K	L
LNEAFQAI	VTDNRIQK	NEAFQAIR	K	L	N	I	R	I
LNINVIDTP	TLVEDRVR	GDFIDNSK	R	L	N	S	K	A
LNIQISK	VQDPNFLK	KLNIQISKI	K	L	N	S	K	I
LNLCAEYK	RVTEYAEK	LNLCAEYK	K	L	N	Y	K	D
LNPVGVP	WECGSVY	VPNDDHH	K	L	N	H	H	-

LNQVSALIC	KVDATPGR	QVSALIQRI	R	L	N	Q	R	E
LNSAPTLR	LYNDKLLKL	LNSAPTLRL	K	L	N	L	R	L
LNSASAVA	AIEYLKARL	YLQAFVSK	R	L	N	S	K	T
LNYGWDK	NDLSVSGR	LNYGWDK	R	L	N	K	K	N
LNYTGFQK	HDLAKFSR	LNYTGFQK	R	L	N	Q	K	I
LPAWGFEC	YLFSHEVKL	VTCASSGR	K	L	P	G	R	H
LPEDESYAF	IMQTALRR	PEDESYAR	R	L	P	A	R	A
LPLQDVYK	RPTDKPLR	LPLQDVYK	R	L	P	Y	K	I
LPPVLEDE	YQKLSETKL	IDDETFHKS	K	L	P	H	K	S
LPTEDSEM	DTRRFTFKI	LASALFAKF	K	L	P	A	K	F
LQDQLQLI	EENEELSRL	QDQLQLIR	R	L	Q	I	R	S
LQDVNSQF	PFELVKIRL	QDVNSQFI	R	L	Q	F	K	T
LQESFKEKF	LMQDNEK	QESFKEKR	K	L	Q	K	R	Q
LQFALPHE	AAASSGLK	TQVNLPAK	K	L	Q	A	K	S
LQGEIAHV	ELNRVIQR	QGEIAHVK	R	L	Q	V	K	K
LQIIDLLND	VIEALDLRL	DLLNDPGK	R	L	Q	G	K	G
LQLGQLYE	ERAKSLLKL	LGAEVLIKC	K	L	Q	I	K	G
LQLLGAK	RGLLIDNKL	KLQLLGAK	K	L	Q	A	K	G
LQLNTVLN	IPPNSPGKL	TVLNHITKF	K	L	Q	T	K	R
LQQEDIDE	KIGLAQMK	EESADLAR	K	L	Q	A	R	T
LQSNGAIQ	FSCNALKKI	QGDSFVCK	K	L	Q	C	K	N
LQSNYMAI	EEDEEDRR	LQSNYMAI	R	L	Q	A	K	L
LQVQGEEK	MAKDNSEI	LQVQGEEK	K	L	Q	E	K	K
LQVTTVR	AMSGEGEI	KLQVTTVR	K	L	Q	V	R	D
LRKPIHADF	ERGPIKSKL	EILETGIKV	K	L	R	I	K	V
LRPITSEQG	IEKLQRQRI	ITSEQGSRL	R	L	R	S	R	L
LRPSEDNL	PLLKESIKLF	LQLDGVDK	K	L	R	D	K	I
LRSEIDNVK	ELNRVIQR	SEIDNVKK	R	L	R	K	K	Q
LSAIESLAG	KKQAIVQK	VEILCSDKT	K	L	S	D	K	T
LSDYIPGPY	NPKKRPGK	YPNEQAAF	K	L	S	A	R	A
LSEPVHK	GSSFDALKI	KLSEPVHKI	K	L	S	H	K	L
LSEQENEIN	SIQEANRK	ENEINDSRI	K	L	S	S	R	L
LSESIESVN	ALLQTFGR	ESVNMFEK	R	L	S	E	K	M
LSGGVAVIF	KLQERLAK	SGGVAVIR	K	L	S	I	R	V
LSGNDLDL	ILLQNFPKL	LDFAINEKM	K	L	S	E	K	M
LSHFSNLEI	KSLASTSKL	NLEDASFK	K	L	S	F	K	S
LSHNQQLA	IVGSQVFK	QLAQFNNI	K	L	S	N	K	N
LSIIPQDSQ	GLYDLRHK	QVFEGTVR	K	L	S	V	R	E
LSINGIGK	RTHPNNIK	LSINGIGKD	K	L	S	G	K	D
LSLGEAFK	EVLIKGSKL	LSLGEAFKK	K	L	S	F	K	K
LSLGEAFKK	EVLIKGSKL	SLGEAFKK	K	L	S	K	K	I
LSLGLQPG	TALLSLARL	PGELQYLR	R	L	S	L	R	D
LSLPCTVV	AAATACQF	VVVPTATK	R	L	S	T	K	K
LSNESQPLI	LPQSVVNR	HDHSHESK	R	L	S	S	K	K
LSSFFQNN	RLNGSENR	NNFFNILKE	R	L	S	L	K	E
LSSPATLNS	DNDIMLIK	SPATLNSR	K	L	S	S	R	V
LSYNVVTN	EPIVSSSKL	NVVTNAIK	K	L	S	I	K	S
LTALDYVSE	SHPTLAERI	ALDYVSEK	R	L	T	E	K	K
LTDFEVPID	EPISNETKL	VPIDALERS	K	L	T	E	R	S
LTEIANVIP	LDVEALKR	NVIPVIGKS	R	L	T	G	K	S

LTGLALK			L	T	L	K	
LTISVTDTE'	FTLKQWNI	VTDTEVER.	R	L	T	E	R	A
LTQQFQGI	ETLWSLVK	FQGMSIPR	K	L	T	P	R	E
LTTNWNR	LWNAYWL	RLTTNWNI	R	L	T	N	R	L
LVDVEELG'	LTGCVTVK	EELGYFAK	K	L	V	A	K	N
LVEAPVEF'	QSNNQVEI	EAPVEFVR	K	L	V	V	R	E
LVEDGIR	GSRFGLSRI	RLVEDGIR	R	L	V	I	R	K
LVEEANHF	VSKYINGKI	VEEANHFK	K	L	V	F	K	A
LVEILDCEI	RRKLEVQR	EILDCEIRTI	R	L	V	I	R	T
LVGSDVGC	MPSLFQAF	SDVGQGPI	R	L	V	P	R	D
LVIVGDGA'	VGNSIRRK	VGDGACG	K	L	V	G	K	T
LVLEVAQH	EIKTPQGK	HLGENTVR	K	L	V	V	R	T
LVQLVPR	IVSVEKLKL'	KLVQLVPR'	K	L	V	P	R	V
LVSLMDSP	TEPRLVSK	LMDSPSSR	K	L	V	S	R	V
LVSQPQFA	PLEATRIRL'	GLVGGFSR	R	L	V	S	R	I
LVSTIYEVA	FPDYELFK	VAPGVLTK	K	L	V	T	K	H
LVWIGSSD	FQNLNNAI	IGSSDFLK	R	L	V	L	K	N
LVWQSQV	LKFKNPYRI	IAEFLGPKV	R	L	V	P	K	V
LWDQDIAI	VKAWAGK	EGLLDYMI	R	L	W	M	R	I
LWIQELER	EKAKMREI	LWIQELERI	K	L	W	E	R	R
LYCVYVAV	NGSDESKK	VYVAVGQI	K	L	Y	Q	K	R
LYHEFNYIR	IQEYASSKL	YHEFNYIRI	K	L	Y	I	R	D
LYPLATFHL	DLLPNIGK	AQDFEGVI	K	L	Y	V	R	A
LYQLNEFL	VTVDAGM	LNEFLGAK	R	L	Y	A	K	G
LYTSNLQG	CRLQVNPK	TSNLQGFR	K	L	Y	F	R	K
MAFGGLKI	KKYIPGTK	MAFGGLKI	K	M	A	K	K	E
MAQIPNF	YLAKNFDK	AQIPNFQK	K	M	A	Q	K	N
MDEAEQLI	KAKISAKK	EAEQLFYK	K	M	D	Y	K	N
MFGLPQQ	_____	EVSEEEKR	-	M	F	K	R	A
MFLGAQS	ATSHKWM	AYDTLGEK	K	M	F	E	K	G
MLTGDAV	RHLGLRVK	GDAVGIAK	K	M	L	A	K	E
MLVLVEES	SGIERLTK	EESLANKK	K	M	L	K	K	Q
MMARPLT	RVISSTAR	SGFFGLQK	R	M	M	Q	K	K
MMMTSG	PLDTVRRR	DGAFDCLR	R	M	M	L	R	K
MNAPQKP	LPDEVLTK	DIPVATEK	K	M	N	E	K	T
MNPQVSN	_____	LVMMQLS	-	M	N	S	R	R
MPSSFDVT	_____	SSFDVTER	R	M	P	E	R	D
MQLQVTTI	PLDVVKTR	MQLQVTTI	R	M	Q	T	K	G
MRPMFVS	PASRLWEK	VSDSDSNR	K	M	R	N	R	N
MSNYLVQI	QNYHLSSK	LVQNYGTR	K	M	S	T	R	S
NAFIVFSH	KTREYKHK	SHGDLIIKR	K	N	A	I	K	R
NAFIVFSH	KTREYKHK	HGDLIIKRI	K	N	A	K	R	I
NAGDMIN	NAMDNAS	NAGDMIN	K	N	A	N	R	Y
NANPWGC	SDEYLKSK	GYSQVQSK	K	N	A	S	K	-
NASYLEER	SVIDDYVR	NASYLEERI	R	N	A	E	R	L
NAVQNES'	AINYTKLK	ELNFDAVK	K	N	A	V	K	D
NCFDTAEE	TPLAPYFK	DMNIEIIRN	K	N	C	I	R	N
NDDNVNE	PFIESSAK	EIFFTLAKLI	K	N	D	A	K	L
NDPQTIEQ	VGCKVDLR	PQTIEQLR	R	N	D	L	R	Q
NEFGSLSE'	KEDGKDKR	GSLSEYFRS	R	N	E	F	R	S

NELITSLTP(	ANLTPGLK	SLTPGVAK	K	N	E	A	K	S
NFDNPESG	IKTRIQNRN	DNPESGLR	R	N	F	L	R	I
NFLGSTTL/	GGKPHWA	LAAGPVKK	K	N	F	K	K	D
NFPVSPNY	MVPYVVKI	SPNYTAPK(	K	N	F	P	K	G
NFTFLESVI	KTTMAANI	FTFLESVKH	R	N	F	V	K	H
NGNEYNEF	GIYWYWW	YNEFLYSKA	K	N	G	S	K	A
NGTAASEP	DAFYTQYK	SEPTPITK_	K	N	G	T	K	-
NIASEPATE	ETIEITIKNI/	FESGIFSKV	K	N	I	S	K	V
NIIVATGSE	EDHILDVKI	GIEIDEEKI\	K	N	I	E	K	I
NILGGTVFI	KSPNGTIRI	REPIVIPRIF	R	N	I	P	R	I
NINDLLNK	PVYSDISRN	NINDLLNKI	R	N	I	N	K	D
NIPSFLSTD	GFLKDGVK	STDNIGTRI	K	N	I	T	R	E
NITAQEPN	GRFLNNLR	AQEPNVTF	R	N	I	T	R	V
NITWIAECI	KSKEQEVR	ECIAQNQR	R	N	I	Q	R	E
NKLNDLED	ENALKDAK	QAKEDLAR	K	N	K	A	R	L
NLAEEFDH	LNSFEDKKI	LAEEFDHR'	K	N	L	H	R	V
NLASDTSY(	CQATLALR	SYQLEIVRA	R	N	L	V	R	A
NLASPPNN	DAVREKIRI	PIYGLELKS	R	N	L	L	K	S
NLDALSSIII	FIVLDSAKN	ALSSIIMRG	K	N	L	M	R	G
NLDGYVVN	DAIVETHKI	GYVVNLLK'	K	N	L	L	K	V
NLDLDSIIA	ILSMDNSR	DSIIAEVKA	R	N	L	V	K	A
NLDTTLYN'	WGSVSLLK	NVVVVSPR	K	N	L	P	R	N
NLDVEATE	FYKNAETK	ATETGAPK	K	N	L	P	K	E
NLEMGCYL	LTTSFRIKN	SLPEWGFR	K	N	L	F	R	Q
NLFNTNET	DQYQKIFK	NTNETTQK	K	N	L	Q	K	I
NLFTVEDA	EDGWVPG	FTVEDAIKF	K	N	L	I	K	R
NLHTHPVA	LVHKSTGR	PVAAPVSK	R	N	L	S	K	T
NLISQVAN	VKLTFSYRN	ANGQVLIK	R	N	L	I	K	Y
NLLENPVT'	DKKDLWW	VTVQLVHR	R	N	L	H	R	T
NLNEEYTSI	EFNEEVFK	EYTSDEIKC	K	N	L	I	K	Q
NLSDLYTVI	QQLAKVNI	SDLYTVLKT	K	N	L	L	K	T
NLSLQTGT	LVNSIESKN	TGTKPVLK	K	N	L	L	K	K
NLSLQTGT	LVNSIESKN	GTKPVLKK	K	N	L	K	K	K
NLTENYEIE	VIRIIDPRN	NYEIETGRE	R	N	L	G	R	E
NLVEPHVY	KKMWHIN	TSWPFLLR	K	N	L	L	R	G
NMAEEFEY	SHTNEEVR	PDEQGNPI	R	N	M	P	K	K
NMQDMV	SRLDSELK	QDMVEDY	K	N	M	Y	R	N
NNDYDLDI	IKVKSSAKN	NDYDLDLK	K	N	N	L	K	Y
NNLMGSW	VNMTSME	WLQEFGTI	R	N	N	T	K	T
NNTGDAN'	NPLKRLLK	NTEEAAAR	K	N	N	A	R	S
NPSGLPDS	DAILQMDF	SPLNDNSK	R	N	P	S	K	I
NPTVENFI	GKATLLTR	EATNLLEK/	R	N	P	E	K	A
NQDSNQE	SSDFLKNK	DSNQEFAK	K	N	Q	A	K	E
NQPGNVA	LEKYFDEK	VAAAEASK	K	N	Q	S	K	K
NQVQTEN'	GFEGLNQF	TENVAQAF	R	N	Q	A	R	I
NSAPGVAC	WVVEIDKK	APGVAQEF	K	N	S	E	R	V
NSSIDAAF(	ALYQAAAK	AAFQSLQK	K	N	S	Q	K	V
NSVYMGS/	YDTASRYK	LCPLEATR	K	N	S	T	R	I
NTFNQVGI	DILFLWNR	VVYEVEGK	R	N	T	G	K	Q
NTIVSSYNF	RDIKKGDK	TIVSSYNRN	K	N	T	N	R	N

NTLACICK	CAMNIGGI	NTLACICKI	R	N	T	C	K	I
NTLEECLDI	KINSEQFKI	ECLDEAQR	K	N	T	Q	R	L
NTMGLIHI	YAMPTTFR	TFPHFTER	R	N	T	E	R	Q
NTSVIDKIE	SHYRSVLKI	DKIESYVKC	K	N	T	V	K	Q
NVAAGCNI	AIFTESVKN	GCNPMDLI	K	N	V	L	R	R
NVAAGCNI	AIFTESVKN	CNPMDLRI	K	N	V	R	R	G
NVIFFVTDC	RSASHKKK	PASLSMAR	K	N	V	A	R	S
NVIITLPHS	RKPRAPMI	ITLPHSSKV	R	N	V	S	K	V
NVSLAIEM	KKLNEALKI	LAIEMAQR	K	N	V	Q	R	K
NVSTGDVI	EEEMKDLR	TQLLNNMI	R	N	V	M	R	S
NVTMIDDL	WGFSTATF	DLIHFTLKC	R	N	V	L	K	Q
NWAGIYSA	FRKNYVFK	IYSAKPERY	K	N	W	E	R	Y
NYDEIYK	ERLSDIPKN	KNYDEIYKS	K	N	Y	Y	K	S
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYGDNSLP	YRKTNRYK	GDNSLPER	K	N	Y	E	R	I
NYLMFMK	LIHEEGQK	KNYLMFM	K	N	Y	M	K	M
NYNADDAI	QLATTVLK	ADDALLNK	K	N	Y	N	K	T
NYSNSVQV	YCTNFGTK	YSNSVQW	K	N	Y	W	R	V
PAINVGLS\	ELFYKGIRP	NVGLSVSR	R	P	A	S	R	V
PFDELTVDI	LDNIQSARI	LTVDDLTKI	R	P	F	T	K	I
PGVTLGVG	LAYKQLLRF	GSSFDALKI	R	P	G	L	K	L
PHVASESN	SLSSPVFKP	ESNPIESRL	K	P	H	S	R	L
PLTIASDPN	STARMMA	SGFFGLQK	R	P	L	Q	K	K
PPLPQNYA	_____	PSNWDKFI	M	P	P	F	K	M
PQSFTSIAR	_____	QSFTSIARI	M	P	Q	A	R	I
PSTTNTAA	_____	AAANVIEK	M	P	S	E	K	K
QAVWYISY	AQLTEPEK	SYGEWGPI	K	Q	A	P	R	R
QDFAEATS	IGDLTIPKQ	GLTFAFGK	K	Q	D	G	K	F
QDLPEAM	VWLVFANI	SAAEITEKL	K	Q	D	E	K	L
QDSYDLFL	NNWTDGP	RPHTASIKS	R	Q	D	I	K	S
QEGQQPV	PQTIEQLR	GYYECSAK	R	Q	E	A	K	T
QELHVEGA	DIANSVER	SNDTVAPK	R	Q	E	P	K	F
QFNGLLDV	GSKSTSQR	NGLLDVYK	R	Q	F	Y	K	K
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QFSECNSY	MLPIFECK	ECNSYTGR	K	Q	F	G	R	C
QGFSVDD\	EESLANKK	AQSLNCSR	K	Q	G	S	R	E
QGVDADIN	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIIAGEGA	KGMVGSFI	YSIQGAFKF	K	Q	I	F	K	F
QIIENAGEE	KAITRPAK	EGSVIIGKL	K	Q	I	G	K	L
QINFGGTV	MITTRGLK	TVETVYER/	K	Q	I	E	R	A
QIPYNIAK	GFTPILFKQ	QIPYNIAKF	K	Q	I	A	K	F
QISLEGLQI	LQEELRKK	ISLEGLQKC	K	Q	I	Q	K	Q
QKTQEFSQ	AQGVEISK	FSQMACEI	K	Q	K	E	K	T
QLDSTVHP	PEFWRAKI	TVHPDTGK	K	Q	L	G	K	T
QLGFFGSF/	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLGLGTNI\	GIAKETCR	TNIYNAERI	R	Q	L	E	R	L
QLIVAVNK	LAFTLGVR	QLIVAVNK	R	Q	L	N	K	M
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYK	GSSFDALKI	K	Q	L	L	K	L
QLLRPGVT	GIVTLAYK	KLSEPVHKI	K	Q	L	H	K	L

QLPVFQAH	PHIDEALK(	PVFQAHIR	K	Q	L	I	R	K
QLQVIESFE	PVKIDASK(	QVIESFEKH	K	Q	L	E	K	H
QLSLLLR	SKQAVAYR	RQLSLLLRR	R	Q	L	L	R	R
QNQYSPLA	ERLTQLLK(	LDGIELSRI(	K	Q	N	S	R	I
QPLVPYSF/	DPFAMMS	FAPFFPTKF	K	Q	P	T	K	R
QPVKDGPL	IKFSLKAKQ	LSTNVEAKI	K	Q	P	A	K	L
QPVNFLPC	QGEEKKSK	VNFLPQGK	K	Q	P	G	K	W
QSLELVNP(	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSLGFEPN	KPKELSLKC	GMHVDTA	K	Q	S	A	R	L
QSVEADIN	YENEVALR(	ADINGLRR'	R	Q	S	R	R	V
QTDHKEG\	DWETINIK(	EAVESLKR	K	Q	T	K	R	N
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L
QTISNFFGF	DIVPPGKR(	GFTSSFVR	R	Q	T	V	R	N
QTQNPYW	EFISCYNRC	TPESLAAR	R	Q	T	A	R	N
QTSNSTPA	TVPHENEK	PAPQNQIK	K	Q	T	I	K	E
QTVAVGVI	RFAVRDMI	TVAVGVIK	R	Q	T	I	K	S
QVPENPM	GTTDIPLKC	ADIQDILKE	K	Q	V	L	K	E
QVQDFEEN	ATKKSVLK(	EENDHPNF	K	Q	V	N	R	V
QWDTLWT	ITFENLLKQ	WTSSEFIR\	K	Q	W	I	R	V
QYKPVKID/	DKIESYVKC	PVKIDASK(	K	Q	Y	S	K	Q
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RGDVIVAD	SVLPAFTKF	QNALQLSR	K	R	G	S	R	S
RGLAVNDF	IPEQNSSKF	VNDFLQVK	K	R	G	V	K	G
RGNNYDLE	EGWIPSSR	HDDKPWY	R	R	G	Y	K	A
RGYQVYR	TFDHASIRF	RRGYQVYF	R	R	G	Y	R	E
RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RIANVVHF'	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S
RKPNPYDS	HIHQTLTRI	DSANIFSRI'	R	R	K	S	R	I
RKPSIELR	GFQVYLAR	RKPSIELR_	R	R	K	L	R	-
RLDNVER	RTFVNEIRF	RRLDNVER	R	R	L	E	R	Q
RLEDAVLK	RKIDESIRR	RLEDAVLK(	R	R	L	L	K	Q
RLPEDESY/	PIMQTALR	PEDESYAR/	R	R	L	A	R	A
RNDFQSFP	TKPVLDPK	QSFPLVEK	K	R	N	E	K	T
RPDDSLFD	DRLGGSYR	DDSLFDPK	R	R	P	P	K	L
RPYIAGLG/	VLLVAVGR	IAGLGAEK	R	R	P	E	K	I
RQLLELQS(	KKRNDEAR	EVDFSHYR	R	R	Q	Y	R	S
RSDLRPEF/	LHPLVAPR	DLRPEFAE_	R	R	S	A	E	-
RSHGEVHY	EPVRTIARF	YDVDPENK	R	R	S	N	K	T
RSTVAQLV	VYVAVGQH	LEQHDAM	K	R	S	M	K	Y
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	R	S	L	K	A
RTGNIVDV	VKEGELVK	VGPGLLGR	K	R	T	G	R	V
RVEEITDE'	KPIEVELRR	VDELTYLK	R	R	V	L	K	N
RVNDLPTA	EKALRAAR	NDLPTAIR\	R	R	V	I	R	V
SAALAFAE	SDNLNLQR	AFAEITEKY	R	S	A	E	K	Y
SAAPEYTLF	PFYCIGFKS	AAPEYTLR	K	S	A	L	R	T
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	S	A	F	R	K
SAEDQLYA	VAEQCPVK	LYAITFRKG	K	S	A	R	K	G
SAEMALVC	EKEEAIFRS	YIPQEISRD	R	S	A	S	R	D
SALEHNEV	MQSISPVK	ALEHNEVK	K	S	A	V	K	I
SASGINELC	ANITKTIKS/	INELQLHKL	K	S	A	H	K	L

SATESFVAT	KELLASLKS	TESFVATF_	K	S	A	T	F	-
SAVLNTTFT	SLTPGVAK	TQPFFTAR	K	S	A	A	R	G
SAYGHTVC	FIKNQTLKS	GHTVQFFK	K	S	A	F	K	R
SCNCDLLL\	AQQQQQQC	NCDLLLWF	K	S	C	W	R	N
SCPGFGNC	QREIQKAK	FGNCQCGI	K	S	C	G	R	H
SDGVAGLY	DVYKKTLK	DGVAGLYF	K	S	D	Y	R	G
SDIPPPPDC	QVTPPEHK	GALAIVTK	K	S	D	T	K	T
SDLDAHSD	PENYSDAK	PSPEQRPR	K	S	D	P	R	I
SDLLPNIGK	SDIDPDLK	DLLPNIGKL	K	S	D	G	K	L
SDLRPEFAE	HPLVAPRR	DLRPEFAE_	R	S	D	A	E	-
SDTLTLDEF	NVIPVIGKS	DTLTLDER	K	S	D	E	R	T
SEGWIPSSI	EEGVLPWK	EGWIPSSR	K	S	E	S	R	R
SEITELRR	IEQISSYKSE	SEITELRRN	K	S	E	R	R	N
SEYTDMLA	AKGYDASK	TGIIDPFKV	K	S	E	F	K	V
SFLPSFILSC	_____	FILSDESKEI	M	S	F	S	K	E
SFLQGWSN	LATYSGSK	SLAGELSKC	K	S	F	S	K	D
SFVSSPIVR	_____	FVSSPIVRD	K	S	F	V	R	D
SGDAALVK	EDHPKFLK	SGDAALVK	K	S	G	V	K	F
SGGNWAN	DKFYGDHK	NSLGGSTK	K	S	G	T	K	F
SGTLAPPL\	GGQERGLF	AGFGEAAF	R	S	G	A	R	L
SGVGICAT	GAAYGTAK	LRPDLLFKN	K	S	G	F	K	N
SHGEVHYY	PVRTIARR	YDVDPENK	R	S	H	N	K	T
SHLQSNQL	EGMADLVI	PLDFALGK	K	S	H	G	K	S
SIEEAER	TGPKTDKK	KSIEEAERA	K	S	I	E	R	A
SIEGFLNDL	GKDDDVVI	GFLNDLEK	K	S	I	E	K	D
SIEGFLNDL	GKDDDVVI	NDLEKDTR	K	S	I	T	R	Q
SIIELEHYG\	YMTREAPK	HYGVPFSR	K	S	I	S	R	T
SIIEPIVNFA	PVGTVDEK	PIVNFALKK	K	S	I	L	K	K
SIIEPIVNFA	PVGTVDEK	IVNFALKKK	K	S	I	K	K	K
SIIGATSIEC	LANEAKGK	SIEDFISKLK	K	S	I	S	K	L
SINIALNSL	LGFEADRR	SDIDPDLK	R	S	I	L	K	S
SINIALNSL	LGFEADRR	DLLPNIGKL	R	S	I	G	K	L
SIQPYLQR	TNFYQQYK	SIQPYLQR	K	S	I	Q	R	S
SISWSVIDF	IKALDSERS	PTNEGLIKA	R	S	I	I	K	A
SITIIPQDPT	VDLQRLRR	TLFSGTIKT	R	S	I	I	K	T
SKAEAESLY	QNEDIAQK	AESLYQSK\	K	S	K	S	K	Y
SKEEAEALY	QYEEIAQR	AEALYHSK\	R	S	K	S	K	Y
SKEFNEEVI	AEDGNSGK	EFNEEVFKI	K	S	K	F	K	N
SKFEQLGIH	EVYEAQYK	LGIHYEHRL	K	S	K	H	R	L
SLDFLNQSI	SLPGSTDK	NQSFIQQK	K	S	L	Q	K	A
SLDLDSIIAE	ILSMDNNR	DSIIAEVKA	R	S	L	V	K	A
SLHDSFASI	QTLQKLSK	FASDDSLR	K	S	L	L	R	S
SLKLENVVI	SKLVGQGK	NVVKPEIK	K	S	L	I	K	G
SLLEGEGSS	ENEIQTYR	GSSGGGGF	R	S	L	G	R	G
SLLGLPDYL	FTKRFSAK	YLSNAQIKE	K	S	L	I	K	E
SLMLVTALI	RIHELLTKS	LVTALNPKI	K	S	L	P	K	I
SLNLTLR	TPIGKGHR	RSLNLTLRK	R	S	L	L	R	K
SLNLTLRK	TPIGKGHR	SLNLTLRKT	R	S	L	R	K	T
SLNNQFAS	SREREQIKS	QFASFIDK\	K	S	L	D	K	V
SLNNQFAS	SREREQIKS	ASFIDKVRF	K	S	L	V	R	F

SLPQGPAP ANVVHFYK QGPAPAIK	K	S	L	I	K	A
SLQDFFGL/ PNYERRLK! SNLLDVIRC	K	S	L	I	R	C
SLQDIIAILC QETLQTYK! DELSEQDK	K	S	L	D	K	L
SLQDIIAILC QETLQTYK! QDKLTVER	K	S	L	E	R	A
SLSVLNLTC RRPFDSSR! VLNLTGTK	R	S	L	T	K	D
SLVNLGGS AGGGFGSF LVNLGGSK	R	S	L	S	K	S
SLWDSSEK DGVVGLVK NSQKIEAK	K	S	L	A	K	K
SMSILNSF\ PDTGISQK! FVNDIFER	K	S	M	E	R	I
SNHNELLT SSFLSYLKS NELLTEIRE	K	S	N	I	R	E
SNHNELLT SSFLSYLKS LLTEIREKG	K	S	N	E	K	G
SNKVSPED DAKRSIAK! MAGIEAEK	K	S	N	E	K	L
SNNYYSPL/ RIIFIKERSN PLAYYISKI	R	S	N	S	K	I
SNQNQSTS YSGGAQFR QSTSGILKC	R	S	N	L	K	Q
SNVNDNG' TSKGHVKK DNGVNLEK	K	S	N	E	K	Q
SNYDHPNT SYLYEFLRS DHPNTVSK	R	S	N	S	K	S
SPAYPFPLL LTTVFTIKS AYPFPLLRL	K	S	P	L	R	L
SPESYDKAI GLSNLYKR! KADESFTK/	R	S	P	T	K	A
SPIYQHFSE KRFESISRS LVGVTTIRA	R	S	P	I	R	A
SPNIVFAD/ VTLELGGK! FADAELKK/	K	S	P	K	K	A
SPPVYSDIS _____ PVYSDISRN	M	S	P	S	R	N
SPTFVGDL GAFDLCLK! ISAGSISRY/	K	S	P	S	R	Y
SPTGIVLM NMQNAQK MNMGGP!	R	S	P	S	K	V
SQGDDINE ETRKVLQK! LQFVDPVK	K	S	Q	V	K	V
SQTDAFYT QTASVLNR DAFYTQYK	R	S	Q	Y	K	N
SQYEQLAE TQLLNNMI EQLAEQNF	R	S	Q	N	R	K
SQYEQLAE TQLLNNMI QLAEQNRK	R	S	Q	R	K	D
SSKVEFEKF PYFITDPKS PLLLLSEKK	K	S	S	E	K	K
SSLKTELQT NVAAQAIR QTASVLNR	R	S	S	N	R	S
SSSGQSSG SSGFSQHK GYGQHGSI	K	S	S	S	R	S
STAPSNPP KETEGAKK! GEPDFSNK	K	S	T	N	K	A
STFNQIAVI LNDNSKIK! QIAVMDPK	K	S	T	P	K	M
STGVENSG LVRFASTR! GAGPTSFK	R	S	T	F	K	T
STIITALFR VGRTGAGK TIITALFRFL	K	S	T	F	R	F
STLDREYIT ELLGGTFK! DREYITLKA	K	S	T	L	K	A
STQEVITFE VVPGFNIK! ITFENLLKQ	K	S	T	L	K	Q
STVAQLVQ YVAVGQKF LEQHDAM	R	S	T	M	K	Y
SVDVEPSV ACASRGIR! SVLYSNLRL	R	S	V	L	R	L
SVEDFMA/ MKEKKSTR DFMAAMC	R	S	V	Q	R	V
SVEQFSSAI QKDITHKK! EQFSSAPK'	K	S	V	P	K	V
SVHAVHSH FNEKSVIK! SYDEEPYKI	K	S	V	Y	K	I
SVHEPVQT APGILPRR! EPVQTGLK	R	S	V	L	K	A
SVLAEFEEL LEECLKIR\ NPYAPGLR	R	S	V	L	R	Y
SVSAAPAIF _____ YSVSDYMK	M	S	V	M	K	F
SVTKPVAP FYSTDKSK! TDAPAKPK	K	S	V	P	K	E
SYFLFTPLL NVSIISPR\ PVGTVDEK	R	S	Y	E	K	S
SYPISEGPE ELVKEVSK! PISEGPERA	K	S	Y	E	R	A
SYPTGNVS GNFELLVK! YPTGNVSK	K	S	Y	S	K	M
SYSNSVQW YCTNYGTK YSNSVQWI	K	S	Y	W	R	V
SYTPTSLD INGKDITR! TSLDGDTK	R	S	Y	T	K	G
SYVPLIAEE ALTKEAFK! LIAEEVYKY	K	S	Y	Y	K	Y

TAESTPLSA	TGNTVVLK	LSALYVSKY	K	T	A	S	K	Y
TAFKPHEL	ALADVLYK	ESVLPAAR	K	T	A	A	R	Y
TATQEGVI	GILDCFKR	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	LDTILNQKF	K	T	A	Q	K	R
TAVALDTIL	IGDRQTGK	DTILNQKR	K	T	A	K	R	W
TAYSSPSV	FHSTWVTF	PSQTPDGK	R	T	A	G	K	L
TCLLIVFSK	VGDGACG	CLLIVFSKG	K	T	C	S	K	G
TDGSAPGL	GLETLYSR	AGVSYLTR	R	T	D	T	R	Y
TEADIDEM	YLGSFPSK	DIDEMVSK	K	T	E	S	K	A
TELQTASV	QAIRSSLK	QTASVLNR	K	T	E	N	R	S
TFDLQSDA	QQLIEMEK	NILAQGEK	K	T	F	E	K	D
TFDLQSDA	QQLIEMEK	KDAAATAN	K	T	F	A	N	-
TFESEAAH	ILVTPDGK	AAHGTVTF	K	T	F	T	R	H
TFGLFANV	SLNLTLRK	FANVRPAK	K	T	F	A	K	S
TFGPVALG	HSPWFKC	VILAAATKF	K	T	F	T	K	H
TFMQQLQ	_____	QLQEAGEF	M	T	F	E	R	F
TFPFLPYQ	SGDKTGRK	FLPYQILKN	K	T	F	L	K	N
TFSFDDILK	KEVRPDIK	FSFDDILKL	K	T	F	L	K	L
TGDGDIEN	DATTITAK	WATGNAP	K	T	G	P	R	E
TGDIHTLG	DKEHFITK	GDIHTLGK	K	T	G	G	K	L
TGDLAGTA	IASGPENR	SFTEAVIKR	R	T	G	I	K	R
TGFILKPVF	IIKKHDKK	LKPVFQVR	K	T	G	V	R	L
TGHALLHT	RTCAVADR	TLYGQALR	R	T	G	L	R	H
TGLHFGR	YTSHLSSK	KTGLHFGR	K	T	G	G	R	L
TGNIVDVP	KEGELVKR	VGPGLLGR	R	T	G	G	R	V
TGNPSNAT	FSLFLFTK	DFDSVYAR	K	T	G	A	R	V
TGPIVYVQ	_____	NADGIFFK	M	T	G	F	K	L
THEYQADA	FVMSLISR	YQADAYAK	R	T	H	A	K	K
TIAMDGTE	HLGENTVR	DGTEGLVR	R	T	I	V	R	G
TIAPITGTI	_____	APITGTIKR	M	T	I	I	K	R
TIDYEGVE	KDIMNDD	LYQACVSR	K	T	I	S	R	G
TIEQSPSFG	EKPIFNAK	EQSPSFGK	K	T	I	G	K	F
TIEQSPSFG	EKPIFNAK	DTDANVPF	K	T	I	P	R	D
TIFEAENIP	KEITDSVR	DWETINIK	R	T	I	I	K	Q
TIFTVTPGS	AAHGLKSK	TPGSEQIR	K	T	I	I	R	A
TIIATGGYG	IHRFRAHK	IATGGYGR	K	T	I	G	R	A
TILTHNTSM	QSFPLVEK	THNTSMYH	K	T	I	Y	K	F
TKEVYDES	KEKVNTEK	DESMAQEI	K	T	K	E	K	S
TKHEDGKI	EEKQLLAK	LIWATGNK	K	T	K	N	K	A
TKPYLDKV	FSQMACEH	YLDKVESK	K	T	K	S	K	L
TLAHCPVT	RERAAKIR	AHCPVTGK	R	T	L	G	K	D
TLANTAVV	SIVDELKK	ANTAVVIR	K	T	L	I	R	D
TLEDELEV	VITIREGR	LEVTEGMF	R	T	L	M	R	F
TLEQAEEL	QELFTKPK	EELFGQVR	K	T	L	V	R	D
TLFWNPV	FFWGDGD	FWNPVVN	K	T	L	N	R	H
TLGQDYDE	VQLPTIYR	LGQDYDEF	R	T	L	E	R	V
TLLDIDNTF	DLTVGNN	LLDIDNTR	K	T	L	T	R	M
TLLEAIDAI	KAGVVKGK	RPTDKPLR	K	T	L	L	R	L
TLLEGEESR	DLEIATYR	LLEGEESR	R	T	L	S	R	M
TLLEYDAFL	DIPVATEK	FLFGVPTR	K	T	L	T	R	F

TLNDMRQ	APGKDLTK	EYEQLIAKN	K	T	L	A	K	N
TLNEICNSV	TNYMFDPI	ICNSVISKH	K	T	L	S	K	H
TLNPSFSEK	SDFSVNVK	LNPSFSEKC	K	T	L	E	K	G
TLSDYNIQI	GKQLEDGF	LSDYNIQKE	R	T	L	Q	K	E
TLTDEHEA	EITLEKEKTI	NAVEEIDRI	K	T	L	D	R	N
TLVGVSHT	SLDRVAWI	SHTNEEVR	R	T	L	V	R	N
TLVILGSGV	FPNGSKRK	WGSVSLLK	K	T	L	L	K	N
TLVLYDQS	VVGTQTSR	EEYSVYLKE	R	T	L	L	K	D
TLYFSHGFS	KPLLTKGKT	HGFSPVFK	K	T	L	F	K	D
TMNKEWC	MAGGQDA	MNKEWQL	K	T	M	L	K	S
TNAENEFV	YEDEINKRT	ENEFVTIKK	R	T	N	I	K	K
TNEAAGDC	LLQEVASK	TSATVLGRA	K	T	N	G	R	A
TNKDDKLN	GIRKITGKT	DKLNPFEK	K	T	N	E	K	I
TNVVQSVL	NCMDCLD	LAQWVLQ	R	T	N	Q	K	E
TPEEHETCS	FHAFIVYRT	TCSQLVDR	R	T	P	D	R	M
TPHEIQEAI	KPVFIRHRT	DPQTDADI	R	T	P	D	R	V
TPIAGASPT	ITEVAKPRT	MGIFQSLK	R	T	P	L	K	H
TPIEVVK	QDVNSQFI	KTPIEVVKN	K	T	P	V	K	N
TPLDFLLR	SMQYEYCF	TPLDFLLRR	R	T	P	L	R	R
TPNFDDVL	LASKSTYRT	PNFDDVLK	R	T	P	L	K	E
TPQDILLR	VNLLYGNK	TPQDILLRK	K	T	P	L	R	K
TPYPALAN	RRLYALTRT	PVLSPSFKV	R	T	P	F	K	V
TQEFSQMA	GVEISKQKT	FSQMACEI	K	T	Q	E	K	T
TQSQIEDFI	RLKNQIVK	QSQIEDFK	K	T	Q	F	K	Y
TQSQIEDFI	RLKNQIVK	EDFKYNHK	K	T	Q	H	K	G
TQSSLDEG	QKDVSVFR	SSLDEGVRI	R	T	Q	V	R	N
TREGNDLY	VFTGVGER	REGNDLYR	R	T	R	Y	R	E
TRNDLIAG	VAKTKGQK	NTPFDVVK	K	T	R	V	K	S
TSEFLHETL	KLIEIRKKTS	NTIENAEKI	K	T	S	E	K	K
TSEVITELN	LSNYMIQR	TQYENSKR	R	T	S	K	R	E
TTDLQQYG	ANQFVVVF	DLQQYGNI	R	T	T	N	K	T
TTGTIDVM	KNFRLNER	MTIFTASRS	R	T	T	S	R	S
TTSTTLESE	SDLYTVLKT	SELYAIAKE	K	T	T	A	K	E
TTYENVDL	AKSIEGFKT	NVDLVLIRE	K	T	T	I	R	E
TVDAVLNA	PVIYGYAKT	IVLGLITRRS	K	T	V	T	R	R
TVDLSISTK	LIVELGDKT	VDLSISTKI	K	T	V	T	K	I
TVEEDHPIF	GAPLFVLK	VHENYENK	K	T	V	N	K	V
TVEIEQPV	LRGNLFFK	EQPVYDVK	K	T	V	V	K	T
TVFIQELIN	FGGAGVGI	ELINNIAKA	K	T	V	A	K	A
TVIGEVLLE	KFKKEHGK	EQAYGGM	K	T	V	M	R	G
TVNYFDIIT	SPLSVDSK	YFDIITIKHC	K	T	V	I	K	H
TVPFVPISG	KKVGYNPK	TTNAPWYI	K	T	V	Y	K	G
TVQSFVAE	EEQLSGIKT	AEGNELSR	K	T	V	S	R	Y
TWIEISGTS	GSCAVFSK	EISGTSPRD	K	T	W	P	R	D
TYIENLSK	SNVVTKER	TYIENLSKD	R	T	Y	S	K	D
TYMGWW	_____	WGHMGG	K	T	Y	P	K	Q
VACFLER	GTLDSNGK	KVACFLERI	K	V	A	E	R	K
VAFTAPSS	RDFAGDVF	FENQAQYF	R	V	A	Y	R	G
VAFTGSTA	TNHPKIKK	TGSTATGR	K	V	A	G	R	H
VAIFPQGE	VVKGLKRR	PQGEVDIK	R	V	A	I	K	F

VAIGEVPFT	LPLPRDPR\	VPFTFGVR	R	V	A	V	R	T
VALTGLTIA	EPPGARAR	LTIAEYFRD	R	V	A	F	R	D
VALVFGQN	INLEGESK\	MNEPPGA	K	V	A	A	R	A
VAPGTQYN	EGQKIRIK\	IPNMGVPK	K	V	A	P	K	T
VAPTTGVV	DKKVILQK\	PTTGVVAK	K	V	A	A	K	Q
VAQYTVPV	_____	QYTVPVGK	M	V	A	G	K	A
VATLEQILV	TGVIARDK'	TLEQILWR\	K	V	A	W	R	V
VATVSLPR	SPATLNSR\	VATVSLPR	R	V	A	P	R	S
VCDTLVYH	_____	VYHPSVTR	M	V	C	T	R	F
VCHAHPTL	ASAEDVAR	PTLSEAFK	R	V	C	F	K	E
VDASSQSF	LKHIINNR\	VPDYYGEK	R	V	D	E	K	I
VDLLNQEI	IKVELQSK\	NQEIEFLK\	K	V	D	L	K	V
VEEWYGE	EMRGMAL	WYGEDLK	K	V	E	K	K	F
VEFEKPLL	ITDPKSSK\	PLLLLSEKK	K	V	E	E	K	K
VELAHEAK	EAFELKQK'	VELAHEAK	K	V	E	A	K	A
VELALWDT	DVEVDGR	AGQEDYD	R	V	E	D	R	L
VELTEIKDD	_____	LDEPQFSR	M	V	E	S	R	N
VETGVIKP	IGTVPVGR'	AGVTTEVK	R	V	E	V	K	S
VEVNLAAI	ADVLAMA	LAAIPLGK	K	V	E	G	K	N
VFEEEGAF	TYFKGRAR'	AFIEALERG	R	V	F	E	R	G
VFEYFSGY	ELWPIFSK\	QFEFIHNK	K	V	F	N	K	T
VFGINLND	LVGSKGEK'	NLNDLVAR	K	V	F	A	R	H
VFGLNNIQ	AVGDGIAR	VEFSSGVK	R	V	F	V	K	G
VFKGDDKV	FVFNESNK'	WIDLPISK	K	V	F	S	K	I
VFNTVVST	RLQKQDNF	STPVTNQK	R	V	F	Q	K	S
VGALLDVC	VGKSVLPR'	VTVIKDPK	R	V	G	P	K	T
VGDPFDES	KAASESIK\	TSQMQLN	K	V	G	N	K	I
VGEDDQTE	TFGVSQIK\	INLIQGLRS	K	V	G	L	R	S
VGGASEVE	SGGVAVIR'	SEVEVGEK	R	V	G	E	K	K
VGLIGSCT	NNWPLDV	SSYEDMSR	R	V	G	S	R	S
VGPAASW	NSLQRNEK	VGPAASW	K	V	G	W	K	T
VGPNLHGI	VEKGGPH	NLHGIFGR	K	V	G	G	R	H
VGQSLSIV	LNLTQLSK\	VSNDELSK	K	V	G	S	K	A
VHYQTTGF	FENEANW	PEIAHQTK	K	V	H	T	K	G
VIDHTLDE	PVTLKYRR\	PSVPPTVR	R	V	I	V	R	A
VIDPSNNV	QEINGNKK	VNLDEVRK	K	V	I	R	K	V
VIDSNGNT	SNEDFFHK'	NEQHSVVF	K	V	I	V	R	T
VIEFLSANK	GSQVAVEK	EFLSANKK	K	V	I	K	K	E
VIGVVPQD	YDIDALRK\	DTIWENVK	K	V	I	V	K	F
VIIIDTDPN	KLNRDLSK\	DTDPNSYK	K	V	I	Y	K	L
VILDNEALL	ILASSPNR\	LNTVVDAR	R	V	I	A	R	I
VINATPTM	VGETALSR\	IPPLILVRL	R	V	I	V	R	L
VISEILNNI	KYKDERTR'	SEILNNIKS	R	V	I	I	K	S
VIVAGTSA\	LAKAFRPK\	AGTSAYSR	K	V	I	S	R	L
VKEVQEQ\	KHSEVFRR'	EQVQHTVF	R	V	K	V	R	L
VKEYMEIE	MNMNSVE	QEPYNEHK	R	V	K	H	K	E
VLAGTTDI	FFLPWQG	GTTDIPLK	K	V	L	L	K	Q
VLASLHDY	SDFSRRLR\	NNQDLIAR	R	V	L	A	R	V
VLDELTLT	ADINGLRR'	LDELTLTKA	R	V	L	T	K	A
VLDEVVVD	TALVKASR\	VVDNFDQI	R	V	L	Q	K	L

VLDTGGPI	EGLVRGEK	PISVPVGR	K	V	L	G	R	E
VLEELLSE	LDADAFQF	TELDNFKR	R	V	L	K	R	L
VLEFHPFD	KDALTKYK	HPFDPVSK	K	V	L	S	K	K
VLEHLHST	EENDHPNF	TPLSLPTR	R	V	L	T	R	G
VLFDDMVI	GGSIAMAF	ATTSQMAI	R	V	L	A	K	D
VLFDVSKE	QNVAETTK	ESEAFELK	K	V	L	L	K	Q
VLGAEEFP	ANQDQGV	PVQGEVVK	R	V	L	V	K	I
VLNNCFSY	YDLFEVQR	PAPAVIEK	R	V	L	E	K	A
VLPASLAA	VLDDLYAK	LAANIPVK	K	V	L	V	K	W
VLPSIVNE	LGQDYDEF	SIVNEVLK	R	V	L	L	K	A
VLQADLPG	VTTDSLTK	NLEYIESK	K	V	L	S	K	F
VLQQSISE	GNPKFQEK	EIEQLLSK	K	V	L	S	K	L
VLVAMDW	MCLSFRNF	LVAMDWA	R	V	L	A	K	V
VMFFLPW	DVRTSDGF	FFLPWQGF	R	V	M	G	K	V
VMIYSAER	TSQGSLVR	VMIYSAER	R	V	M	E	R	V
VNIYEHDL	KKYEILKK	NIYEHDLR	K	V	N	L	R	S
VNLISEEQ	QIFEALKR	QLQQGATI	R	V	N	T	R	E
VNLLYGNK	ENPNDKTK	VNLLYGNK	K	V	N	N	K	T
VNLQISDG	WDKKNISK	SDFSVNVK	K	V	N	V	K	T
VNSLNAPY	PLTGFLER	ALSYDEQK	R	V	N	Q	K	A
VNVFNINN	EGFSTLKK	VFNININNR	K	V	N	N	R	Y
VNVIGGHS	NTDPTQER	LISQTNHK	R	V	N	H	K	L
VNYEVIGN	DPIDNKFR	AVPTHFFK	R	V	N	F	K	L
VPSSDIVSR	VPDGVLMI	PSSDIVSR	R	V	P	S	R	N
VPVGDQPF	VDLPGLTK	DQPPDIER	K	V	P	E	R	Q
VQETLQTY	EHYDVASK	QETLQTYK	K	V	Q	Y	K	S
VQLSGNPI	GRRRPKFR	NPILGDGK	R	V	Q	G	K	S
VQSELGNP	LAKSVISR	VQSELGNPK	R	V	Q	P	K	F
VSDSGIVT	ASSQVKAK	GIVTLAYK	K	V	S	Y	K	Q
VSDVLNAS	FADARMKI	SDVLNASR	K	V	S	S	R	N
VSLQDIKD	LLYDGVER	DIKDFADK	R	V	S	D	K	V
VSLQDIKD	LLYDGVER	FADKVYTK	R	V	S	T	K	E
VSLVFGNV	MDPHDTT	EEDILLKKE	K	V	S	K	K	E
VSLYHNDN	SWKRSQIR	PIQALASR	R	V	S	S	R	A
VSNLNDAV	ARVGDNLF	VEEVVSLK	R	V	S	L	K	G
VSNWYHQ	GLGLTTEK	VSNWYHQ	K	V	S	Q	K	F
VSPEDPAV	RSIAKSNK	MAGIEAEK	K	V	S	E	K	L
VSPGFDIV	NCELYKNK	PGFDIVAR	K	V	S	A	R	K
VTAVVESP	PFDPVSKK	VESPEGER	K	V	T	E	R	I
VTEAGSLQ	DGIVEIQR	QTFFQFQK	R	V	T	Q	K	K
VTEFLSME	AKEVKLQK	IPSDPSERE	K	V	T	E	R	E
VTIADDNE	LVVLPRYR	DDNEDLNF	R	V	T	N	K	I
VTLVEALP	PELSKEIKV	NILNMFDK	K	V	T	D	K	Y
VTMQNLN	GLLSGNEK	TMQNLND	K	V	T	D	R	L
VTSTSSAV	APKANTPK	TDFQETFK	K	V	T	F	K	T
VTVVEFQP	VYSRLGSK	SMDGEVA	K	V	T	A	K	A
VVDALGNF	VGPGLLGR	LGNPIDGK	R	V	V	G	K	G
VVDALGNF	VGPGLLGR	GPIDAAGR	R	V	V	G	R	S
VVDLLAPY	EILETGIKV	DLLAPYAR	K	V	V	A	R	G
VVDLLMG	LGEYPLGR	DLLMGGG	R	V	V	G	R	S

VVEILQNR	VFPQHKYR	VVEILQNR	R	V	V	N	R	G
VVPPFYNA	YDTISVDK	QDLLDEKR	K	V	V	K	R	F
VVPVLTGL	RVNKKGSK	ALASIFAKK	K	V	V	A	K	K
VVTADQGI	NKSDMETF	DQGEALAK	R	V	V	A	K	E
VVVPALEP	EMYLLNGK	VVPALEPR	K	V	V	P	R	Q
VWNTYFSF	LCHYTNPR	VWNTYFSF	R	V	W	S	R	N
VYTGFGAT	IANEGWKK	YSLQGAGK	K	V	Y	G	K	Y
VYTKENLE	DIKDFADK	VVEADLKR	K	V	Y	K	R	F
VYVEESIYD	EVCCAGSR	DKFIEEFKA	R	V	Y	F	K	A
VYWPFFVA	RFPTPILKV	AVYYGMSI	K	V	Y	S	K	A
VYYNPSR	GGVAIPPR	RVYYNPSR	R	V	Y	S	R	R
WDIVLSNN	VSTILDTKV	VLSNMLVK	K	W	D	V	K	T
WDVPGYK	EEMVKKGK	DVPGYKDF	K	W	D	D	R	F
WENMPST	AVMDLQSI	EQQDIVSK	R	W	E	S	K	L
WLISQEAI	NNKIIGSR	DTIMNMTI	R	W	L	T	K	G
WMPELSK	YVDQDLRK	KWMPELSI	K	W	M	S	K	E
WNLLADDI	SNEQIYNR	NLLADDFK	R	W	N	F	K	T
WSEYQATE	GGGSPIRK	YQATEVCK	K	W	S	C	K	I
YAFEYAR	DASERVIR	RYAFEYAR	R	Y	A	A	R	A
YAFSALFA	IGSQALPK	NDLSVSGR	K	Y	A	G	R	L
YAGILDCF	KQGTLDRK	AGILDCFK	K	Y	A	F	K	R
YAGILDCF	KQGTLDRK	GILDCFKR	K	Y	A	K	R	T
YAIIANTVE	FIKLKLNRY	NTVEETGR	R	Y	A	G	R	F
YAKPLTAE	HKPYVAFR	PLTAETYK	R	Y	A	Y	K	Q
YAMALSYF	ISAGSISRY	MALSYFAK	R	Y	A	A	K	D
YAPNLPR	EVNDLSLR	RYAPNLPR	R	Y	A	P	R	V
YAWVLDK	ELGKGSFK	KYAWVLDI	K	Y	A	D	K	L
YAWVLDKL	ELGKGSFK	AWVLDKLK	K	Y	A	L	K	A
YCAITGAS	KYGAKTGK	GASDGIGK	K	Y	C	G	K	E
YDGAFDCL	MTSGQAV	DGAFDCLR	K	Y	D	L	R	K
YDGAFDCL	MTSGQAV	GAFDCLRK	K	Y	D	R	K	I
YDHEASSS	LACFLHSK	HEASSSYK	K	Y	D	Y	K	A
YDLSTYWG	PIDLPESR	DLSTYWGF	R	Y	D	G	R	I
YDNIPEHA	FKAVLEGK	GIEDVVAK	K	Y	D	A	K	A
YDYAVAEC	ESVLPAAR	VAEQCPVK	R	Y	D	V	K	S
YECLQPSG	ASAQFFLK	LQPSGSFK	K	Y	E	F	K	S
YEELQITA	AESLYQSK	ELQITAGR	K	Y	E	G	R	H
YEEQTTNH	NPYAPGLR	PVAIVGAR	R	Y	E	A	R	E
YEKEFDEA	TFEEFTAR	YDLFEVQR	R	Y	E	Q	R	V
YFPTQALN	GNTANVIR	QALNFAFK	R	Y	F	F	K	D
YFPTQALN	GNTANVIR	LNFAFKDK	R	Y	F	D	K	I
YFQPSSIDE	IYSAKPER	YDEVVELVK	R	Y	F	V	K	S
YGHPDGP	LVRQNYLK	SHGIALPRF	K	Y	G	P	R	F
YGIIQFPN	DDGESEIR	EEVSLVIKS	R	Y	G	I	K	S
YIGENELV	VLSQRVMK	LVDGISVR	K	Y	I	V	R	D
YIPQAGIPP	LSALYVSK	NIVSGFGK	K	Y	I	G	K	I
YIYGVDSYF	IRNQYEKR	GVDSYFMK	R	Y	I	M	K	I
YKNSVYM	LGYDTASR	LCPLEATR	R	Y	K	T	R	I
YKPNLVLG	WAEINNLK	NSLDATKK	K	Y	K	K	K	H
YKVENEDC	IRVFEALK	YVENEDQY	K	Y	K	Y	K	A

YLAEVGKIE	TFVPESPRY	GKIEEAKRS	R	Y	L	K	R	S
YLAPAYK	GFTGLVAK	KYLAPAYKI	K	Y	L	Y	K	D
YLAPAYKDI	GFTGLVAK	YKDFADAR	K	Y	L	A	R	M
YLCEVNK	TLVPESPRY	RYLCEVNK'	R	Y	L	N	K	V
YLCEVNKVI	TLVPESPRY	VNKVEDAK	R	Y	L	A	K	R
YLCEVNKVI	TLVPESPRY	NKVEDAKF	R	Y	L	K	R	S
YLENCNPR	GFFGLQKK	YLENCNPR	K	Y	L	P	R	D
YLNSFVDH	_____	HLSEWSSR	K	Y	L	S	R	A
YLNWFSTV	EGPSSNFR'	DIADKQEA	R	Y	L	E	A	-
YLPDASSQ'	VNIEFATRY	PDASSQVK	R	Y	L	V	K	A
YLWDTLNA	YSKETIEKY	WDTLNAG	K	Y	L	G	R	V
YNAFVKPN	TRRFFFAK\	KFFTAEFRS	K	Y	N	F	R	S
YNDLGALA	ENNFKPFK'	LAYLGSERA	K	Y	N	E	R	A
YQGLINEQ	SIVKRLVKY	GLINEQEK(	K	Y	Q	E	K	Q
YQVTVIDA	LWKFETPK	VIDAPGHR	K	Y	Q	H	R	D
YSNDELK	HLSAQSQK	KYSNDELK/	K	Y	S	L	K	A
YSTLPSANS	KKWDKQN	TLPSANSKI	K	Y	S	S	K	D
YSYIITEPK	CVAKKLNK	SYIITEPKG(	K	Y	S	P	K	G
YTNPLFMC	GFMHLYLK	MQSISPVK	K	Y	T	V	K	S
YTVSFIEGD	KPNPSTGK	GIGPEISKS'	K	Y	T	S	K	S
YVECSALTC	ARELKAVK'	ECSALTQR(	K	Y	V	Q	R	G
YVEPGNAN	KNDMTTM	AMSGEGEI	K	Y	V	E	K	L
YVEPGNAN	KNDMTTM	KLQVTTVR	K	Y	V	V	R	D
YVINLEGTC	HSWSNLTK	EGTGAGGI	K	Y	V	G	K	A
YVQNLANL	YPLTGEWK	ANLATFFR'	K	Y	V	F	R	T
YWVHPDN	NFVRQTTK	PDNITELKL	K	Y	W	L	K	L
YYDLSVESF	PYLDVDLK'	YDLSVESR[	K	Y	Y	S	R	D
YYQNNWT	DFLNSASR'	NNWTDGP	R	Y	Y	P	R	Q

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
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2	0	0	1	0	0	1	2	0
3	1	1	0	0	0	1	0	0
3	0	1	1	0	1	0	1	0
2	1	0	1	0	0	1	0	0
2	0	0	2	1	0	0	1	1
3	0	0	0	0	0	2	4	0
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4	1	0	4	0	0	1	0	1
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4	0	1	4	0	0	2	0	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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1	2	1	0	0	1	1	0	0
1	3	1	0	0	1	2	0	0
2	3	1	0	0	0	3	0	0
0	1	1	1	0	0	0	0	1
0	1	1	1	2	1	0	0	1
1	0	0	1	0	0	1	0	0
1	1	0	0	0	0	0	0	0
1	2	0	0	0	0	1	1	0
0	2	1	0	0	0	0	0	0
1	2	1	1	1	1	3	1	0
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1	0	0	0	1	0	0	0	0
5	1	1	0	0	1	2	2	0
2	0	1	0	2	3	1	1	0
1	0	0	0	0	1	3	0	0
1	0	0	0	0	3	0	0	0
0	1	1	0	0	0	0	2	0
1	2	1	0	0	1	1	0	0
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1	1	3	0	1	0	1	1	0
1	3	2	0	1	0	1	0	0
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0	2	1	0	0	0	2	0	0
0	0	1	0	0	0	1	0	1
2	2	1	1	0	2	1	0	0
1	0	0	0	1	1	1	0	0
0	0	0	0	0	1	1	1	0
0	1	1	0	3	0	1	2	0
1	2	1	1	1	3	3	1	0
1	1	1	0	0	0	0	1	0
1	3	1	1	1	1	0	1	0
0	1	0	1	0	0	0	1	0
0	1	1	0	2	0	3	4	0
1	0	1	1	1	1	1	1	0
1	1	1	0	0	1	0	0	0
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0	2	0	0	0	1	0	0	0
0	2	0	1	0	0	0	0	0

1	1	0	0	0	0	0	0	0
1	2	1	0	1	2	0	0	0
1	3	1	0	1	1	1	1	0
0	1	1	0	0	0	0	1	0
0	1	0	0	0	2	0	0	0
0	0	0	0	1	0	1	1	1
0	1	1	0	2	0	1	2	0
0	2	2	0	0	0	1	1	0
2	0	2	0	2	0	1	0	0
0	0	1	1	2	1	1	0	1
0	0	0	0	0	1	1	0	0
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1	0	1	1	0	1	2	1	1
3	1	1	2	0	0	1	2	1
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0	0	1	0	0	0	1	1	1
0	0	0	0	1	0	0	0	0
1	3	0	0	3	0	3	0	0
1	1	1	0	1	0	0	0	0
1	1	1	0	1	0	0	0	0
2	0	0	0	0	0	0	2	0
0	1	2	0	0	1	0	2	0
0	1	1	1	1	0	1	0	0
0	1	0	0	0	2	0	0	0
0	1	1	0	0	0	0	0	1
0	2	2	0	0	0	0	0	1
2	0	1	0	0	0	1	1	0
0	1	0	0	1	0	0	0	0
0	1	1	0	1	0	0	0	0
0	0	1	0	0	0	3	0	0
0	1	0	0	0	0	1	1	1
2	0	1	1	1	1	0	0	0
0	0	1	0	0	1	0	0	0
0	1	1	0	1	1	2	0	0
1	1	0	0	0	0	0	1	0
1	0	0	0	0	1	0	2	0
0	1	1	0	2	0	0	0	0
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1	1	1	0	1	1	2	0	0
1	1	0	0	0	3	2	1	0
4	1	1	0	1	2	2	0	0
2	1	0	0	0	0	1	0	0
4	0	1	0	1	3	1	0	0
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0	3	3	0	0	1	1	1	0
0	0	2	0	0	0	0	0	0

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0	1	1	0	0	1	0	0	0
0	1	1	0	1	1	0	0	0
0	1	1	0	0	0	0	0	0
0	1	2	0	0	0	0	0	0
0	1	2	0	0	0	0	0	0
0	1	0	0	0	1	0	0	0
0	2	0	0	1	0	4	0	1
1	1	1	0	1	0	1	1	2
0	1	1	0	0	1	2	0	0
0	2	0	0	0	0	0	1	1
0	1	2	0	4	1	0	1	0
0	3	0	0	0	0	1	0	0
1	1	1	0	0	0	0	0	0
1	0	0	0	0	1	0	1	0
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2	0	1	0	0	1	1	1	0
1	1	1	1	1	2	2	1	0
3	0	1	0	1	1	2	1	0
0	1	0	0	0	0	1	1	0
0	0	1	1	0	1	1	0	0
0	1	1	1	0	1	1	2	0
1	1	1	0	0	0	0	1	0
0	2	0	0	2	0	0	1	0
1	1	1	0	0	1	0	1	1
0	1	0	0	0	0	2	0	0
0	0	0	0	0	1	0	1	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	1	0	13	0	1322,665	sp|Q1202	sp|Q1202	226
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
0	1	0	11	0	1141,577	sp|P06168	sp|P06168	116
2	1	0	10	0	1168,588	sp|P32366	sp|P32366	267
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
0	0	0	11	1	1169,604	sp|P40215	sp|P40215	261
1	2	0	15	0	1679,765	sp|Q0302	sp|Q0302	56
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
2	1	0	11	0	1295,713	sp|Q9938	sp|Q9938	26
0	0	0	9	0	1083,502	sp|P38244	sp|P38244	834
1	2	0	22	0	2362,206	sp|P14906	sp|P14906	433
1	2	0	19	0	2083,022	sp|P39109	sp|P39109	771
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
1	0	0	15	0	1836,88	sp|P25574	sp|P25574	241
0	1	0	14	0	1433,579	sp|P35180	sp|P35180	170
1	0	0	7	0	826,3974	sp|P42949	sp|P42949	20
0	1	0	11	0	1119,567	sp|P32915	sp|P32915	197
0	2	0	28	0	2957,549	sp|P33310	sp|P33310	587
0	1	0	12	0	1479,762	sp|P48439	sp|P48439	123
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	9	1	989,5546	sp|Q0817	sp|Q0817	370
0	1	0	8	0	783,4491	sp|P00560	sp|P00560	259
0	0	0	10	0	1031,514	sp|P32386	sp|P32386	822
0	1	0	18	0	1770,864	sp|P13181	sp|P13181	45
1	1	0	30	0	3265,587	sp|Q0071	sp|Q0071	274
2	1	0	17	0	1750,937	sp|P21306	sp|P21306	7
0	1	0	9	0	916,5131	sp|P04912	sp|P04912	23
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	0	0	14	0	1468,681	sp|P39012	sp|P39012	307
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
0	0	0	8	0	946,5488	sp|P32563	sp|P32563	318
0	2	0	23	1	2467,369	sp|P30624	sp|P30624	176
0	1	0	8	0	893,4858	sp|P19882	sp|P19882	119
0	1	0	12	0	1306,797	sp|P00890	sp|P00890	440
2	0	0	9	0	1213,592	sp|P00410	sp|P00410	119
0	1	0	13	0	1314,751	sp|P00549	sp|P00549	397
0	1	0	13	0	1286,647	sp|P08417	sp|P08417	98
1	0	0	11	0	1182,632	sp|P10614	sp|P10614	260
0	0	0	7	0	728,4545	sp|P00854	sp|P00854	180
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235
0	0	0	9	0	1005,488	sp|P43585	sp|P43585	94
0	1	0	12	0	1300,651	CON__P02	CON__P02	135
1	0	0	12	0	1380,641	CON__P13	CON__P13	166
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
0	0	0	17	1	1767,004	sp|P00560	sp|P00560	198

0	1	0	18	0	1769,837	sp|P32891	sp|P32891	523
0	1	0	10	0	1118,608	sp|P39986	sp|P39986	345
1	1	0	15	0	1719,916	sp|P39968	sp|P39968	51
2	1	0	17	0	1917,036	sp|P35180	sp|P35180	120
1	1	0	8	0	967,5127	sp|P32915	sp|P32915	231
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
0	1	0	10	0	1174,614	sp|P33333	sp|P33333	150
1	0	0	13	2	1504,738	sp|P18239	sp|P18239	113
1	0	0	11	0	1298,611	sp|P21801	sp|P21801	225
0	0	0	7	0	904,4589	sp|P53723	sp|P53723	33
0	0	0	9	0	1014,535	sp|P36112	sp|P36112	256
1	1	0	9	0	1079,525	sp|P17255	sp|P17255	422
1	1	0	10	1	1207,62	sp|P17255	sp|P17255	422
1	0	0	16	2	1810,947	sp|P07213	sp|P07213	88
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	0	0	8	0	1004,504	sp|P53075	sp|P53075	518
0	1	0	11	0	1375,714	sp|P00890	sp|P00890	315
0	1	0	18	0	1825,906	sp|Q12078	sp|Q12078	413
0	2	0	17	0	1907,963	sp|P00401	sp|P00401	494
0	0	0	8	0	832,3828	sp|P19882	sp|P19882	299
0	0	0	9	1	960,4777	sp|P19882	sp|P19882	299
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170
0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
0	0	0	13	0	1466,723	sp|P39109	sp|P39109	1036
0	1	0	20	0	2407,076	sp|P38631	sp|P38631	792
0	2	0	17	0	1893,021	sp|P40548	sp|P40548	64
0	0	0	13	0	1457,675	sp|P41832	sp|P41832	1743
2	0	0	12	0	1525,716	sp|Q05359	sp|Q05359	51
0	0	0	8	0	852,5433	sp|P40416	sp|P40416	549
0	0	0	12	0	1354,59	sp|P38694	sp|P38694	144
0	1	0	13	0	1441,764	sp|P32843	sp|P32843	153
1	0	0	9	0	1106,536	CON__P35	CON__P35	360
0	1	0	10	1	1158,676	sp|P32340	sp|P32340	343
0	1	0	14	0	1438,814	sp|P00560	sp|P00560	109
2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
0	0	0	18	0	2043,035	sp|P38875	sp|P38875	194
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
0	0	0	11	0	1136,546	sp|Q04697	sp|Q04697	385
3	2	0	21	1	2431,268	sp|P07257	sp|P07257	91
0	1	0	8	0	881,4243	sp|P17255	sp|P17255	507
0	0	0	9	0	980,5655	sp|Q05359	sp|Q05359	143
0	1	0	14	0	1559,856	sp|P17695	sp|P17695	66
0	1	0	19	1	2179,051	sp|P04840	sp|P04840	206
1	1	0	14	0	1619,831	sp|P38353	sp|P38353	56
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
2	1	0	24	0	2747,298	sp|P16622	sp|P16622	157
0	2	0	25	1	2561,397	sp|Q00711	sp|Q00711	459
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189

0	1	0	10	0	1053,546	sp|P28834	sp|P28834	325
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
1	3	0	14	0	1487,787	sp|P36148	sp|P36148	311
0	2	0	15	0	1644,895	sp|P50085	sp|P50085	160
0	2	0	10	1	1101,597	sp|P32386	sp|P32386	806
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	1	0	21	0	2291,936	sp|Q00711	sp|Q00711	253
1	2	0	16	0	1781,847	sp|P39004	sp|P39004	41
1	1	0	10	1	1220,64	sp|P00427	sp|P00427	123
2	1	0	19	0	2274,073	sp|P32366	sp|P32366	187
1	2	0	14	0	1559,758	sp|Q12349	sp|Q12349	84
0	0	0	16	1	1804,863	sp|P54783	sp|P54783	359
0	0	0	10	0	1152,552	sp|P32568	sp|P32568	117
0	1	0	10	0	1077,571	sp|P38694	sp|P38694	359
2	0	0	14	0	1622,733	sp|P32352	sp|P32352	64
0	0	0	10	0	1311,563	sp|P31382	sp|P31382	384
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
0	1	0	20	1	2176,145	sp|P38077	sp|P38077	169
0	2	0	15	0	1673,888	sp|P21576	sp|P21576	507
1	0	0	11	0	1240,521	sp|P46971	sp|P46971	696
0	1	0	16	0	1921,942	sp|P00830	sp|P00830	278
1	0	0	19	1	2233,029	sp|P49573	sp|P49573	201
0	0	0	9	0	1015,53	sp|P32563	sp|P32563	344
0	1	0	7	0	778,361	sp|P54837	sp|P54837	79
0	1	0	13	0	1609,762	sp|Q02725	sp|Q02725	401
0	1	0	11	0	1265,64	sp|P36060	sp|P36060	245
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
1	1	0	21	0	2267,086	sp|P04840	sp|P04840	20
2	0	0	10	0	1249,525	sp|P39007	sp|P39007	606
0	1	0	21	0	2013,093	sp|P47131	sp|P47131	51
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
0	1	0	12	0	1360,647	sp|P21801	sp|P21801	159
1	1	0	10	0	1160,557	sp|P13181	sp|P13181	111
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
1	1	0	10	0	1180,576	sp|P04039	sp|P04039	32
0	2	0	12	0	1187,676	sp|P31382	sp|P31382	341
2	0	0	13	0	1531,723	sp|Q02776	sp|Q02776	146
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	18	0	1897,891	sp|P28834	sp|P28834	339
0	0	0	8	0	907,44	sp|P14020	sp|P14020	176
0	1	0	11	1	1330,674	sp|P39727	sp|P39727	340
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
1	1	0	13	2	1540,789	sp|P53721	sp|P53721	106
0	0	0	8	1	957,5243	sp|P32366	sp|P32366	119
0	1	0	12	1	1470,82	sp|P32563	sp|P32563	194
0	0	0	10	0	1197,497	sp|Q03713	sp|Q03713	14
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
0	3	0	19	1	2098,167	sp|P06168	sp|P06168	179
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132

1	0	0	10	0	1167,629	sp|P32568	sp|P32568	285
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291
0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
1	0	0	16	0	1732,9	sp|P36060	sp|P36060	281
0	2	0	18	0	1890,994	sp|P54781	sp|P54781	24
0	0	0	13	0	1531,675	sp|P39727	sp|P39727	148
0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	17	1	1902,965	sp|P05626	sp|P05626	140
0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	0	0	11	1	1308,606	sp|P19882	sp|P19882	416
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
0	1	0	9	0	946,4607	sp|P46971	sp|P46971	324
1	0	0	11	0	1237,546	sp|P25618	sp|P25618	227
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
1	0	0	14	0	1517,736	sp|P32803	sp|P32803	80
0	2	0	9	0	912,528	sp|Q00711	sp|Q00711	608
0	1	0	16	1	1791,919	sp|P38353	sp|P38353	395
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
1	1	0	13	0	1591,804	sp|P23644	sp|P23644	73
0	1	0	10	1	1212,599	sp|P30624	sp|P30624	63
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	1	0	18	1	2246,006	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q02776	sp|Q02776	134
1	1	0	10	0	1139,525	sp|P28834	sp|P28834	276
1	2	0	20	0	2264,096	sp|P33767	sp|P33767	142
1	1	0	9	0	1050,535	sp|P04385	sp|P04385	376
1	1	0	10	0	1194,515	sp|P29704	sp|P29704	226
1	3	0	31	0	3416,689	sp|P04840	sp|P04840	175
1	1	0	8	0	1022,467	sp|P40215	sp|P40215	295
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
0	3	0	20	0	2153,158	sp|Q12165	sp|Q12165	141
0	0	0	12	0	1436,766	sp|P21576	sp|P21576	495
0	2	0	11	0	1151,63	sp|P32191	sp|P32191	610
0	0	0	15	0	1699,936	sp|Q07914	sp|Q07914	112
0	1	0	19	0	2002,923	sp|P40215	sp|P40215	93
0	1	0	13	0	1466,664	sp|P35180	sp|P35180	90
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
0	0	0	18	1	2051,051	sp|Q04947	sp|Q04947	89
0	1	0	9	0	1065,436	sp|P47075	sp|P47075	385
0	3	0	15	1	1666,916	sp|P32191	sp|P32191	409
1	0	0	13	1	1733,71	sp|Q00711	sp|Q00711	588
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
1	1	0	13	0	1659,742	sp|P00427	sp|P00427	59
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
0	1	0	7	1	829,4658	sp|P07251	sp|P07251	121
1	0	0	8	0	979,4763	sp|Q03028	sp|Q03028	75
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
0	0	0	11	0	1145,604	sp|P07256	sp|P07256	89
0	1	0	16	0	1700,822	sp|P04037	sp|P04037	53

1	2	0	12	1	1378,709	sp|P28834	sp|P28834	72
0	0	0	8	0	921,4668	sp|P19414	sp|P19414	669
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	2	0	24	0	2456,203	sp|P19882	sp|P19882	158
1	0	0	11	0	1361,698	sp|P29704	sp|P29704	241
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
1	0	0	10	1	1254,625	sp|P07255	sp|P07255	45
0	0	0	14	2	1543,882	sp|P07251	sp|P07251	522
0	0	0	13	0	1528,653	sp|Q0683	sp|Q0683	43
0	1	0	11	0	1394,647	sp|P32563	sp|P32563	305
0	1	0	14	1	1589,849	sp|P38626	sp|P38626	195
0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105
0	1	0	22	1	2339,252	sp|P38077	sp|P38077	105
0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	7	0	772,4695	sp|P07251	sp|P07251	529
0	1	0	8	0	947,511	sp|P16547	sp|P16547	153
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
0	0	0	8	0	946,4607	sp|Q0371	sp|Q0371	148
1	0	0	18	0	2161,134	sp|P10614	sp|P10614	354
0	2	0	17	0	1782,973	sp|P38891	sp|P38891	273
0	1	0	15	1	1662,814	sp|P00830	sp|P00830	233
1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	2	0	9	0	1082,495	sp|P21147	sp|P21147	60
0	2	0	10	1	1210,59	sp|P21147	sp|P21147	60
0	1	0	17	0	1829,941	sp|P40341	sp|P40341	438
1	0	0	16	0	1975,928	sp|P39109	sp|P39109	1365
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
2	0	0	16	0	1905,865	sp|P38244	sp|P38244	254
0	3	0	23	0	2472,166	sp|P28834	sp|P28834	141
1	3	0	23	0	2544,217	sp|P28241	sp|P28241	151
0	1	0	12	0	1388,657	sp|P54783	sp|P54783	499
0	1	0	11	0	1248,719	sp|P33767	sp|P33767	186
0	2	0	16	0	1816,834	sp|P32386	sp|P32386	964
0	0	0	12	2	1575,802	sp|P43585	sp|P43585	436
0	1	0	27	1	3130,326	sp|Q1234	sp|Q1234	98
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	3	0	17	0	1566,737	sp|P40319	sp|P40319	318
0	0	0	10	1	1157,64	sp|Q0071	sp|Q0071	484
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	9	0	1066,614	sp|P0CH0	sp|P0CH0	64
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
1	1	0	21	0	2279,096	sp|P17255	sp|P17255	599
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	0	0	8	1	965,5182	sp|P02994	sp|P02994	171
0	1	0	13	0	1522,74	sp|P05626	sp|P05626	164
0	1	0	14	0	1494,705	sp|P32324	sp|P32324	565
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
1	1	0	13	0	1576,799	sp|Q0653	sp|Q0653	352
0	1	0	8	0	921,4556	sp|P06780	sp|P06780	174
0	2	0	14	0	1559,856	sp|P39986	sp|P39986	710

1	2	0	12	1	1477,778	sp|P32803	sp|P32803	145
0	3	0	9	0	1115,576	sp|P08466	sp|P08466	298
0	1	0	8	0	999,5349	sp|Q0417	sp|Q0417	219
0	3	0	15	0	1646,852	sp|P40075	sp|P40075	166
0	3	0	9	0	983,5288	sp|P40075	sp|P40075	157
0	3	0	11	0	1351,684	sp|P47075	sp|P47075	76
0	2	0	13	0	1420,632	sp|Q0185	sp|Q0185	158
0	3	0	18	0	1668,905	sp|P25087	sp|P25087	336
2	2	0	13	0	1564,839	sp|Q0185	sp|Q0185	295
1	1	0	18	0	2091,062	sp|P28241	sp|P28241	225
1	0	0	9	0	1172,492	sp|Q9929	sp|Q9929	97
0	0	0	12	0	1307,636	sp|Q0493	sp|Q0493	47
0	0	0	7	0	844,4119	sp|P28834	sp|P28834	176
0	0	0	11	0	1322,673	sp|P39685	sp|P39685	923
0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
1	0	0	9	0	1069,519	sp|Q0817	sp|Q0817	115
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
1	1	0	16	0	1711,867	sp|P07267	sp|P07267	194
0	0	0	9	0	1010,482	sp|P32386	sp|P32386	1152
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
2	1	0	17	0	2038,972	sp|P32563	sp|P32563	809
0	0	0	20	0	2063,006	sp|P07213	sp|P07213	223
0	0	0	14	0	1463,708	sp|P38694	sp|P38694	572
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
0	2	0	21	0	2238,253	sp|P38626	sp|P38626	60
2	0	0	7	0	904,4443	sp|P31382	sp|P31382	99
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	0	0	12	0	1442,745	sp|P32563	sp|P32563	143
0	0	0	8	0	1041,565	sp|Q0272	sp|Q0272	365
0	1	0	14	0	1663,769	sp|P17505	sp|P17505	175
1	1	0	14	0	1531,756	sp|P32317	sp|P32317	406
0	0	0	10	1	1182,596	sp|P32799	sp|P32799	33
0	1	0	12	0	1422,667	sp|P54783	sp|P54783	160
0	0	0	20	0	2123,013	sp|P32386	sp|P32386	1525
0	1	0	12	0	1474,778	CON__P35	CON__P04	200
0	0	0	8	0	1077,513	sp|P00410	sp|P00410	244
0	0	0	10	0	1065,622	sp|P19414	sp|P19414	677
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	1	0	14	0	1746,837	sp|P39986	sp|P39986	135
0	0	0	14	1	1696,818	sp|Q0817	sp|Q0817	268
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
0	2	0	10	0	1115,634	sp|P08456	sp|P08456	192
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
0	0	0	7	0	814,4953	sp|P81450	sp|P81450	5
1	2	0	9	0	1064,591	sp|P47075	sp|P47075	420
0	0	0	9	1	1180,61	sp|P20050	sp|P20050	387
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
1	0	0	16	0	1898,941	sp|P32843	sp|P32843	204
0	2	0	15	0	1531,825	sp|Q9929	sp|Q9929	40

1	1	0	22	1	2518,235	sp|P00560	sp|P00560	148
0	0	0	26	0	2674,201	sp|P20107	sp|P20107	386
0	0	0	16	0	1874,937	sp|P21147	sp|P21147	376
0	0	0	17	1	2003,032	sp|P21147	sp|P21147	376
0	2	0	20	0	2112,071	sp|P38244	sp|P38244	726
1	0	0	13	0	1234,521	CON__P35	CON__P35	47
0	2	0	12	0	1445,709	sp|P17255	sp|P17255	356
0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
1	1	0	18	0	2039,974	sp|P25087	sp|P25087	140
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294
0	2	0	13	0	1302,718	sp|P28834	sp|P28834	29
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	3	0	13	0	1510,811	sp|P39540	sp|P39540	152
0	1	0	9	1	1100,613	sp|P07143	sp|P07143	300
0	5	0	12	1	1359,758	sp|P54781	sp|P54781	133
1	2	0	20	1	2310,118	sp|P02994	sp|P02994	402
1	1	0	9	0	1129,504	sp|P39109	sp|P39109	314
0	3	0	20	0	2112,162	sp|P00410	sp|P00410	177
2	1	0	12	0	1595,705	sp|P32386	sp|P32386	14
0	2	0	12	0	1531,713	sp|Q02725	sp|Q02725	210
1	0	0	8	0	997,4869	sp|P07255	sp|P07255	47
1	0	0	8	0	969,4192	sp|P40416	sp|P40416	485
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P40341	sp|P40341	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
0	0	0	16	1	1844,891	sp|P31382	sp|P31382	467
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
0	0	0	11	0	1273,59	sp|P16547	sp|P16547	270
0	0	0	8	0	877,448	sp|P32331	sp|P32331	280
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21
3	0	0	31	0	2382,945	CON__P04	CON__P04	519
0	1	0	10	0	999,5601	sp|P09457	sp|P09457	182
1	1	0	12	0	1308,683	sp|Q3E776	sp|Q3E776	2
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
2	0	0	23	0	1790,72	CON__P35	CON__P35	491
1	0	0	15	0	1196,542	CON__P35	CON__P35	587
0	2	0	12	0	1223,626	sp|P43557	sp|P43557	64
0	2	0	8	0	926,5338	sp|P36060	sp|P36060	116
1	2	0	15	0	1609,774	sp|P06168	sp|P06168	212
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397
1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
0	0	0	12	0	1259,625	sp|Q99297	sp|Q99297	81
0	0	0	12	0	1255,685	sp|Q03028	sp|Q03028	83
2	1	0	13	0	1383,703	sp|P08525	sp|P08525	23
2	2	0	28	1	3111,593	sp|P08525	sp|P08525	23
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
0	0	0	20	1	1870,99	sp|P32897	sp|P32897	171

1	1	0	9	1	1048,534	sp|P30902	sp|P30902	157
1	1	0	11	2	1319,662	sp|P30902	sp|P30902	157
0	2	0	11	0	1202,666	sp|P32340	sp|P32340	363
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
0	0	0	8	0	827,4865	sp|P40354	sp|P40354	442
0	0	0	13	0	1465,705	sp|Q3E77(	sp|Q3E77(	105
1	1	0	13	0	1401,725	sp|P07257	sp|P07257	154
0	1	0	12	0	1238,698	sp|P30624	sp|P30624	164
0	0	0	7	0	771,4491	sp|P40215	sp|P40215	404
0	0	0	14	1	1494,913	sp|P40215	sp|P40215	404
0	0	0	12	0	1194,697	sp|P21801	sp|P21801	249
0	0	0	13	1	1322,792	sp|P21801	sp|P21801	249
0	2	0	9	0	941,5546	sp|P32191	sp|P32191	90
0	1	0	19	0	2254,152	sp|P13181	sp|P13181	524
0	2	0	19	0	2230,098	sp|P39004	sp|P39004	518
0	2	0	16	0	1754,884	sp|P00890	sp|P00890	89
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
0	1	0	8	0	918,5175	sp|P38626	sp|P38626	103
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
2	0	0	18	1	2249,003	sp|P13181	sp|P13181	553
0	1	0	8	0	843,4563	sp|P04710	sp|P04710	79
1	2	0	22	1	2313,189	sp|P08067	sp|P08067	194
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
1	0	0	16	0	1583,708	CON__Q8(	CON__Q8(	1038
2	6	0	24	0	2728,302	sp|P06780	sp|P06780	33
2	6	0	25	1	2884,403	sp|P06780	sp|P06780	33
1	0	0	19	1	2231,032	sp|P07213	sp|P07213	404
0	0	0	15	0	1589,845	sp|Q03529	sp|Q03529	181
1	0	0	16	0	1879,816	sp|Q00711	sp|Q00711	120
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372
0	0	0	19	0	1706,765	CON__P13	CON__P13	41
1	1	0	32	0	3313,637	sp|P32340	sp|P32340	374
1	1	0	14	0	1602,841	sp|P32368	sp|P32368	257
1	5	0	36	0	3685,848	sp|P00830	sp|P00830	335
0	1	0	12	0	1260,656	sp|P25618	sp|P25618	886
0	2	0	17	0	1806,897	sp|P32368	sp|P32368	23
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	0	0	9	0	1037,514	sp|P47075	sp|P47075	598
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138
1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	3	0	16	0	1636,878	sp|P17505	sp|P17505	56
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
1	1	0	25	0	2747,35	sp|P32897	sp|P32897	67
1	1	0	10	0	1179,534	sp|P10614	sp|P10614	137
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
1	1	0	10	1	1237,624	sp|P38244	sp|P38244	287
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300

0	2	0	14	0	1507,836	sp|P36112	sp|P36112	265
0	0	0	10	0	1141,552	sp|P40008	sp|P40008	19
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
1	1	0	13	0	1574,763	sp|P31382	sp|P31382	106
1	3	0	17	1	2034,065	sp|P46956	sp|P46956	172
1	0	0	26	0	2476,014	CON__Q8(	CON__Q8(	1365
1	1	0	12	1	1482,762	sp|P33767	sp|P33767	350
0	1	0	16	0	1836,958	CON__P35	CON__P35	375
0	0	0	13	1	1410,747	sp|P17695	sp|P17695	118
1	1	0	16	0	1823,009	sp|P38694	sp|P38694	327
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
1	1	0	12	1	1425,711	sp|P13181	sp|P13181	109
1	0	0	9	0	1113,52	sp|P33767	sp|P33767	377
0	0	0	8	0	982,5236	sp|P33421	sp|P33421	163
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
0	1	0	18	1	1990,048	sp|P38077	sp|P38077	131
0	0	0	14	0	1646,791	sp|P46971	sp|P46971	344
2	0	0	17	1	1867,87	sp|P00044	sp|P00044	45
0	1	0	13	0	1425,678	sp|P21147	sp|P21147	470
0	4	0	23	2	2566,335	sp|P05626	sp|P05626	134
1	0	0	15	0	1803,843	sp|P49573	sp|P49573	205
2	1	0	15	0	1797,789	sp|P02992	sp|P02992	112
1	1	0	19	0	2066,939	sp|P32563	sp|P32563	252
1	2	0	9	0	1089,597	sp|Q06405	sp|Q06405	30
0	3	0	14	0	1394,85	sp|P46367	sp|P46367	202
0	2	0	15	0	1688,899	sp|P38694	sp|P38694	490
0	1	0	17	0	1782,926	sp|P09457	sp|P09457	121
0	1	0	15	0	1666,933	sp|P47127	sp|P47127	58
0	0	0	9	0	978,5572	sp|P32368	sp|P32368	55
1	1	0	11	0	1109,529	sp|P39105	sp|P39105	99
0	1	0	7	0	861,4015	sp|P38875	sp|P38875	335
0	0	0	13	0	1577,801	sp|P38891	sp|P38891	125
0	3	0	14	0	1559,793	sp|P40416	sp|P40416	535
0	1	0	15	0	1643,776	sp|P11491	sp|P11491	329
0	0	0	7	0	915,4814	sp|P40215	sp|P40215	456
1	0	0	10	0	1195,561	sp|P32368	sp|P32368	104
2	1	0	14	0	1612,85	sp|P32368	sp|P32368	175
0	2	0	15	0	1631,837	sp|P05626	sp|P05626	142
1	1	0	9	0	1101,52	sp|P32353	sp|P32353	171
0	1	0	8	0	855,5066	sp|P00410	sp|P00410	236
0	0	0	8	0	899,4713	sp|Q04172	sp|Q04172	133
0	0	0	8	0	972,524	CON__P35	CON__P04	396
0	0	0	10	0	1210,548	sp|P54781	sp|P54781	274
0	1	0	21	0	2108,138	sp|Q04013	sp|Q04013	219
0	0	0	8	0	872,4967	sp|P38626	sp|P38626	126
1	0	0	7	0	820,4695	sp|P00128	sp|P00128	11
1	0	0	13	0	1518,761	sp|P07251	sp|P07251	498
0	1	0	11	0	1245,635	sp|Q2V2P9	sp|Q2V2P9	24
1	1	0	11	0	1224,65	sp|P34248	sp|P34248	247
0	2	0	16	0	1834,912	sp|P31382	sp|P31382	83

0	1	0	8	1	928,5342	sp|P09624	sp|P09624	318
0	1	0	11	0	974,5549	sp|P00830	sp|P00830	186
1	0	0	20	2	2235,165	sp|P30624	sp|P30624	119
1	0	0	8	1	936,528	sp|P36147	sp|P36147	173
0	6	0	28	0	2915,543	sp|Q1216[illegible]	sp|Q1216[illegible]	61
0	0	0	13	1	1395,787	sp|P38264	sp|P38264	138
0	0	0	9	1	1057,592	sp|P40035	sp|P40035	63
1	1	0	23	0	2746,345	sp|Q0445[illegible]	sp|Q0445[illegible]	390
0	1	0	19	0	2015,105	sp|P47127	sp|P47127	112
0	1	0	12	0	1366,746	sp|P00830	sp|P00830	128
0	1	0	16	1	1761,999	sp|P00830	sp|P00830	128
0	2	0	24	0	2407,358	sp|P13181	sp|P13181	181
0	0	0	20	0	2282,173	CON__P00	CON__P00	78
0	0	0	12	1	1451,726	sp|P21801	sp|P21801	73
0	0	0	13	2	1607,827	sp|P21801	sp|P21801	73
0	0	0	10	1	1306,67	CON__P35	CON__P35	241
0	1	0	15	1	1601,801	sp|P07251	sp|P07251	53
0	2	0	14	2	1627,886	sp|P30902	sp|P30902	142
1	0	0	11	0	1250,603	sp|Q0469[illegible]	sp|Q0469[illegible]	338
0	0	0	10	0	1166,681	sp|P32563	sp|P32563	334
0	0	0	19	1	2164,2	sp|P32563	sp|P32563	334
1	0	0	20	1	2245,204	sp|P23641	sp|P23641	160
0	0	0	9	0	1024,581	sp|Q0493[illegible]	sp|Q0493[illegible]	38
1	0	0	13	0	1528,782	sp|Q1274[illegible]	sp|Q1274[illegible]	700
1	1	0	9	0	1033,581	sp|Q0445[illegible]	sp|Q0445[illegible]	8
1	0	0	10	0	1248,646	sp|P36112	sp|P36112	424
1	0	0	16	0	1875,923	sp|P19414	sp|P19414	65
0	0	0	21	0	2408,168	sp|P40416	sp|P40416	593
0	0	0	7	0	806,4208	sp|P40215	sp|P40215	254
0	0	0	17	0	2008,975	sp|Q0817[illegible]	sp|Q0817[illegible]	233
0	0	0	15	0	1646,775	sp|Q0802[illegible]	sp|Q0802[illegible]	120
0	1	0	15	0	1783,897	sp|P21147	sp|P21147	400
0	1	0	10	0	1165,707	sp|P28834	sp|P28834	131
0	0	0	7	0	862,4371	sp|P39012	sp|P39012	321
1	1	0	21	0	2259,157	sp|P00830	sp|P00830	308
1	1	0	20	1	2326,206	sp|P36148	sp|P36148	138
0	2	0	10	0	1090,566	sp|P17505	sp|P17505	224
1	1	0	10	0	1203,65	sp|P23641	sp|P23641	45
0	0	0	14	0	1607,798	sp|Q0277[illegible]	sp|Q0277[illegible]	422
0	1	0	9	1	1112,63	sp|P54781	sp|P54781	362
0	0	0	13	1	1590,811	sp|P43557	sp|P43557	148
0	1	0	12	2	1430,788	sp|P35191	sp|P35191	347
1	0	0	9	0	1137,655	sp|P43585	sp|P43585	167
0	1	0	19	0	1953,98	sp|P28241	sp|P28241	289
1	1	0	25	1	2828,427	sp|P38077	sp|P38077	195
0	0	0	18	0	1983,064	sp|P19882	sp|P19882	248
0	1	0	7	0	730,4589	sp|P07257	sp|P07257	28
2	2	0	19	0	2042,076	sp|P17255	sp|P17255	662
1	0	0	11	1	1239,686	sp|P33775	sp|P33775	526
2	0	0	9	0	1202,634	sp|Q0272[illegible]	sp|Q0272[illegible]	167

1	1	0	16	0	1765,827	sp|P11491	sp|P11491	172
0	0	0	13	0	1339,698	sp|P30902	sp|P30902	22
0	0	0	14	1	1467,793	sp|P30902	sp|P30902	22
1	1	0	13	0	1512,71	sp|P16474	sp|P16474	83
1	0	0	12	0	1280,589	sp|P00890	sp|P00890	238
0	2	0	12	0	1189,671	sp|P18239	sp|P18239	275
0	1	0	8	0	883,5127	sp|Q1240	sp|Q1240	143
0	2	0	9	0	998,5583	sp|P39012	sp|P39012	11
0	2	0	12	0	1397,694	sp|P38875	sp|P38875	413
0	1	0	11	0	1177,646	sp|P46367	sp|P46367	250
2	1	0	19	0	2240,115	sp|P38631	sp|P38631	387
0	4	0	15	1	1657,966	sp|P46367	sp|P46367	417
3	2	0	22	1	2546,233	sp|P38626	sp|P38626	209
1	0	0	7	0	864,4705	sp|Q0463	sp|Q0463	8
1	0	0	11	0	1286,637	sp|P30624	sp|P30624	217
1	1	0	7	0	818,4902	sp|P40035	sp|P40035	194
0	1	0	10	1	1076,598	sp|P07256	sp|P07256	241
2	1	0	18	1	1879,032	sp|P21306	sp|P21306	6
1	0	0	12	1	1426,706	sp|P21801	sp|P21801	224
0	1	0	16	1	1580,925	sp|P23641	sp|P23641	247
1	0	0	12	2	1436,701	sp|P19882	sp|P19882	415
0	2	0	20	1	2096,098	sp|P18239	sp|P18239	19
0	1	0	9	2	1133,645	sp|Q0755	sp|Q0755	151
1	0	0	12	1	1469,694	sp|P21576	sp|P21576	299
1	0	0	14	1	1645,81	sp|P23641	sp|P23641	99
1	1	0	15	2	1726,904	sp|P04385	sp|P04385	35
0	0	0	12	2	1301,736	sp|P17255	sp|P17255	686
0	1	0	10	2	1228,708	sp|P07143	sp|P07143	299
0	1	0	16	1	1749,926	sp|P02992	sp|P02992	277
1	1	0	14	1	1529,82	sp|P07257	sp|P07257	153
1	0	0	19	1	2073,042	sp|P08067	sp|P08067	193
1	5	0	37	1	3813,943	sp|P00830	sp|P00830	334
1	0	0	14	1	1698,778	sp|P07267	sp|P07267	318
0	0	0	20	2	2210,158	sp|P37299	sp|P37299	58
0	0	0	19	1	2111,159	sp|P19882	sp|P19882	247
0	0	0	10	1	1203,598	sp|Q0272	sp|Q0272	77
0	0	0	11	1	1210,649	sp|P40086	sp|P40086	282
1	0	0	16	1	1804,932	sp|P32340	sp|P32340	284
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235
2	3	0	13	2	1582,865	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
0	0	0	25	1	2464,281	sp|P39986	sp|P39986	930
0	1	0	14	1	1536,888	sp|Q1237	sp|Q1237	214
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148
1	1	0	22	1	2562,307	sp|P47075	sp|P47075	327
0	1	0	11	1	1149,651	sp|P33311	sp|P33311	428
0	1	0	10	2	1155,686	sp|Q9919	sp|Q9919	22
1	4	0	30	1	3347,591	sp|P14020	sp|P14020	36
0	1	0	13	2	1447,83	sp|P28241	sp|P28241	120
0	1	0	10	1	1046,597	sp|P40215	sp|P40215	354

0	1	0	8	1	958,5699	sp|P39704	sp|P39704	116
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
0	3	0	13	1	1399,731	sp|P05030	sp|P05030	457
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
1	0	0	13	1	1532,758	sp|P32386	sp|P32386	681
1	0	0	9	2	1193,604	CON__P35	CON__P35	273
1	0	0	9	1	1192,566	sp|P14020	sp|P14020	167
1	1	0	10	1	1175,666	sp|P32340	sp|P32340	76
0	0	0	7	0	806,3923	CON__P13	CON__P13	229
0	1	0	12	0	1267,666	sp|Q04947	sp|Q04947	236
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	2	0	11	0	1145,645	sp|P28241	sp|P28241	210
1	2	0	20	0	2060,058	sp|P10614	sp|P10614	117
0	1	0	10	1	1156,686	sp|P17695	sp|P17695	134
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	0	0	14	0	1465,72	sp|P39004	sp|P39004	305
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
1	2	0	13	0	1362,787	sp|P11491	sp|P11491	159
0	1	0	16	0	1809,911	sp|P36112	sp|P36112	296
0	0	0	12	0	1327,75	sp|P07213	sp|P07213	329
0	1	0	13	0	1327,771	sp|P53206	sp|P53206	147
0	2	0	12	0	1269,741	sp|P39986	sp|P39986	968
0	1	0	36	2	3918,053	sp|Q12349	sp|Q12349	48
1	0	0	7	0	808,4331		REV__sp|Q08984|YP2	
0	1	0	10	0	1143,629	sp|P29704	sp|P29704	356
1	0	0	11	0	1178,539	sp|Q12324	sp|Q12324	74
0	0	0	10	0	1160,492	sp|P31382	sp|P31382	592
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
1	1	0	17	0	2122,016	sp|P38244	sp|P38244	885
0	1	0	10	0	1059,571	sp|P32378	sp|P32378	66
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
0	1	0	14	0	1522,799	sp|Q01532	sp|Q01532	263
0	0	0	17	0	1951,949	sp|P08431	sp|P08431	86
1	2	0	17	2	2070,067	sp|P47075	sp|P47075	150
0	0	0	14	0	1723,867	sp|P43585	sp|P43585	380
0	0	0	11	0	1201,671	sp|P04840	sp|P04840	85
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	3	0	18	0	2006,128	sp|P31382	sp|P31382	62
0	3	0	13	0	1371,725	sp|P37298	sp|P37298	151
0	0	0	10	0	1219,587	sp|Q2V2P4	sp|Q2V2P4	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
0	1	0	11	0	1305,733	sp|P33767	sp|P33767	75
1	0	0	17	0	1882,931	sp|P14906	sp|P14906	123
0	0	0	16	2	1990,985	sp|P07213	sp|P07213	311
0	0	0	15	0	1742,874	sp|P14020	sp|P14020	108
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29

1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
0	0	0	10	0	1088,659	sp|Q04947	sp|Q04947	75
1	0	0	13	0	1489,818	sp|P33767	sp|P33767	124
0	0	0	13	0	1519,825	sp|Q06833	sp|Q06833	318
0	0	0	8	0	935,4964	sp|P14906	sp|P14906	395
2	0	0	15	0	1646,871	sp|P38988	sp|P38988	68
0	0	0	13	0	1410,689	sp|P32368	sp|P32368	471
0	0	0	13	0	1323,613	sp|P39986	sp|P39986	955
0	1	0	20	0	2210,097	CON__P00	CON__P00	58
0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	2	0	23	0	2569,365	sp|P32563	sp|P32563	360
0	2	0	32	0	3260,508	sp|P05030	sp|P05030	584
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	1	0	9	0	939,5753	sp|Q04947	sp|Q04947	208
0	0	0	18	0	1718,844	sp|Q12743	sp|Q12743	291
1	1	0	17	0	1788,851	sp|Q12117	sp|Q12117	268
0	0	0	10	0	1110,519	sp|Q04080	sp|Q04080	525
0	0	0	9	0	962,5549	sp|P32897	sp|P32897	58
0	0	0	10	0	1099,577	sp|Q8TGU	sp|Q8TGU	59
0	1	0	18	1	2112,998	sp|P33775	sp|P33775	408
1	0	0	11	0	1284,587	sp|P19882	sp|P19882	491
0	0	0	9	0	1110,629	sp|P38631	sp|P38631	414
0	0	0	10	0	1104,541	sp|P32891	sp|P32891	371
1	0	0	14	0	1663,919	sp|Q02776	sp|Q02776	323
0	1	0	15	0	1759,866	sp|P32563	sp|P32563	121
1	1	0	22	1	2678,286	sp|P32563	sp|P32563	121
0	1	0	13	0	1321,735	sp|P08466	sp|P08466	232
0	0	0	12	1	1360,677	sp|P40098	sp|P40098	213
0	0	0	11	1	1255,714	sp|P36112	sp|P36112	254
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
0	1	0	9	1	1095,665	sp|P54837	sp|P54837	137
0	0	0	8	1	1042,592	sp|P42949	sp|P42949	108
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
2	4	0	26	1	2904,487	sp|P00830	sp|P00830	390
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	3	0	17	0	1910,977	sp|P00410	sp|P00410	160
0	0	0	8	0	979,5702	sp|P32368	sp|P32368	351
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
0	0	0	10	0	1175,645	sp|P53154	sp|P53154	77
0	1	0	14	0	1575,756	sp|P25045	sp|P25045	402
0	1	0	17	0	1918,961	sp|P39952	sp|P39952	171
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	0	0	9	0	1060,567	sp|P32386	sp|P32386	560
0	1	0	19	0	2078,032	sp|P25342	sp|P25342	91
0	0	0	7	0	814,4913	sp|P29704	sp|P29704	366
1	0	0	8	0	1009,49	sp|P17255	sp|P17255	529
0	2	0	13	0	1449,675	sp|P04037	sp|P04037	143

0	1	0	10	0	1140,662	sp|P00410	sp|P00410	204
0	0	0	8	0	870,4923	sp|P43585	sp|P43585	298
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38
1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	8	0	969,492	sp|P47075	sp|P47075	122
0	1	0	18	0	2021,927	sp|P33775	sp|P33775	486
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
0	1	0	16	0	1895,915	sp|P47154	sp|P47154	46
0	1	0	19	0	1991,029	sp|P36060	sp|P36060	75
0	0	0	9	0	1125,651	sp|Q12374	sp|Q12374	47
0	1	0	9	0	1077,546	sp|Q03028	sp|Q03028	150
0	0	0	9	2	1163,63	sp|P39952	sp|P39952	376
1	2	0	24	0	2641,375	sp|Q12165	sp|Q12165	34
0	1	0	9	0	993,5607	CON__P35	CON__P35	412
0	0	0	12	0	1337,756	sp|Q04080	sp|Q04080	422
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	0	0	7	0	741,4749	sp|P40215	sp|P40215	411
0	1	0	12	0	1392,809	sp|P32897	sp|P32897	132
0	0	0	21	0	2405,16	sp|P07213	sp|P07213	553
0	1	0	15	0	1622,772	sp|P38248	sp|P38248	337
1	0	0	8	0	953,4641	sp|P25618	sp|P25618	814
0	1	0	8	0	929,4818	sp|P25340	sp|P25340	9
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	0	0	11	1	1242,668	sp|P19073	sp|P19073	134
0	1	0	15	1	1697,858	sp|P39986	sp|P39986	321
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
0	1	0	17	0	1803,929	sp|P05030	sp|P05030	363
2	0	0	16	0	1789,864	sp|P07143	sp|P07143	151
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	0	0	12	0	1432,643	sp|Q04172	sp|Q04172	109
0	1	0	13	0	1511,718	sp|Q03103	sp|Q03103	406
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	16	0	1775,894	sp|P53171	sp|P53171	143
0	0	0	13	0	1493,715	sp|Q02725	sp|Q02725	194
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129
0	2	0	16	0	1787,942	sp|P39109	sp|P39109	1349
0	0	0	8	0	800,4756	sp|P38077	sp|P38077	161
0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	9	1	991,5702	sp|P07256	sp|P07256	401
1	0	0	14	0	1585,883	sp|P38929	sp|P38929	584
0	3	0	14	0	1484,827	sp|P25379	sp|P25379	81
0	0	0	21	0	2438,085	sp|P20107	sp|P20107	203
0	0	0	14	0	1717,883	sp|Q03103	sp|Q03103	431
0	0	0	10	0	1044,556	CON__P00	CON__P00	98
1	2	0	11	0	1220,677	sp|Q06833	sp|Q06833	463
1	1	0	10	0	1137,592	sp|P47154	sp|P47154	441
0	1	0	13	0	1516,777	sp|P08466	sp|P08466	265
0	2	0	13	0	1365,823	sp|P25342	sp|P25342	168

0	0	0	7	0	714,464	REV__sp|P32380|SP1		
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
0	0	0	12	0	1404,718	sp|Q0408(	sp|Q0408(	397
0	0	0	7	0	903,4563	sp|P25574	sp|P25574	256
1	2	0	12	0	1381,713	sp|P30624	sp|P30624	489
0	3	0	10	0	1157,645	sp|P35179	sp|P35179	21
0	1	0	7	0	800,4392	sp|Q0401:	sp|Q0401:	195
0	1	0	9	0	1085,551	sp|P53075	sp|P53075	309
0	1	0	10	0	1258,659	sp|P36112	sp|P36112	529
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	2	0	11	0	1087,57	sp|P06780	sp|P06780	13
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79
0	2	0	7	0	823,528	sp|P25365	sp|P25365	295
0	1	0	11	0	1190,597	sp|P39968	sp|P39968	256
0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143
1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
0	1	0	11	0	1263,686	sp|P33767	sp|P33767	229
0	2	0	27	1	2949,575	sp|P16622	sp|P16622	271
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
0	0	0	8	0	1085,587	sp|Q0371:	sp|Q0371:	109
2	3	0	11	0	1298,669	sp|P07251	sp|P07251	236
2	0	0	9	0	1253,619	sp|P32366	sp|P32366	76
1	1	0	19	0	2175,111	sp|P32366	sp|P32366	248
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
1	0	0	10	0	1197,614	sp|P40035	sp|P40035	52
0	0	0	8	1	850,4735	sp|P00044	sp|P00044	86
0	0	0	9	0	1075,549	sp|P32340	sp|P32340	410
1	0	0	10	0	1272,57	sp|P38077	sp|P38077	77
0	1	0	15	1	1805,862	sp|P80967	sp|P80967	1
1	2	0	22	0	2324,172	sp|P30624	sp|P30624	142
0	1	0	11	0	1074,574	sp|P05030	sp|P05030	556
0	2	0	13	1	1472,827	sp|P04385	sp|P04385	342
0	0	0	21	1	2297,137	sp|P14020	sp|P14020	146
1	1	0	19	1	2179,952	sp|P18239	sp|P18239	255
0	1	0	16	1	1766,887	sp|P25349	sp|P25349	50
0	2	0	19	0	2217,151	sp|P38264	sp|P38264	1
0	1	0	10	0	1167,523	sp|Q0371:	sp|Q0371:	4
0	1	0	8	0	947,511	sp|Q0302&	sp|Q0302&	39
0	1	0	13	1	1540,676	sp|P35206	sp|P35206	78
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
0	1	0	14	0	1572,866	sp|P32563	sp|P32563	234
0	1	0	15	1	1728,968	sp|P32563	sp|P32563	234
0	0	0	8	0	889,4076	sp|P38077	sp|P38077	276
1	1	0	14	0	1534,717	sp|P00424	sp|P00424	140
1	0	0	8	0	980,4563	sp|P32563	sp|P32563	113
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	0	0	18	0	2196,967	sp|P32366	sp|P32366	164
0	1	0	14	0	1638,789	sp|P07560	sp|P07560	165
0	0	0	10	0	1212,61	sp|P06780	sp|P06780	128
1	0	0	11	0	1347,61	sp|P39925	sp|P39925	102

0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	0	0	10	0	1147,526	sp|P38988	sp|P38988	242
0	1	0	15	1	1502,846	sp|P54783	sp|P54783	452
1	1	0	12	0	1333,667	sp|P54781	sp|P54781	413
0	1	0	9	0	1083,56	sp|Q04013	sp|Q04013	53
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	0	0	13	0	1285,651	sp|P21306	sp|P21306	50
1	0	0	21	0	2308,09	sp|P41543	sp|P41543	57
0	2	0	22	0	2357,2	sp|P09624	sp|P09624	169
0	2	0	16	1	1780,036	sp|P21954	sp|P21954	117
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	14	0	1533,779	sp|P17255	sp|P17255	585
0	1	0	11	0	1241,636	sp|P32476	sp|P32476	159
0	0	0	14	0	1715,841	sp|P32366	sp|P32366	322
0	0	0	19	2	2183,118	CON__P04	CON__P04	442
0	0	0	9	0	1129,515	sp|Q02776	sp|Q02776	350
1	1	0	14	0	1607,816	sp|P39968	sp|P39968	277
1	0	0	16	0	1738,925	sp|P32843	sp|P32843	114
0	0	0	11	0	1231,66	sp|P38694	sp|P38694	369
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P35	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
1	0	0	21	0	2442,11	sp|P31382	sp|P31382	485
0	0	0	11	0	1308,631	sp|Q99297	sp|Q99297	109
0	1	0	10	0	1148,608	sp|P06168	sp|P06168	127
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
0	2	0	14	0	1495,872	sp|P41543	sp|P41543	425
0	3	0	14	0	1630,916	sp|P40086	sp|P40086	356
1	0	0	12	0	1453,657	sp|P14906	sp|P14906	61
1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	13	1	1397,824	sp|P07256	sp|P07256	227
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	12	0	1437,674	sp|P25365	sp|P25365	158
1	2	0	20	0	2411,227	sp|P33775	sp|P33775	550
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
1	0	0	9	0	1108,504	sp|P40215	sp|P40215	206
0	0	0	14	0	1623,772	sp|P39012	sp|P39012	94
0	0	0	14	0	1432,618	sp|P16547	sp|P16547	205
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
0	0	0	10	0	1179,516	sp|P33767	sp|P33767	242
0	1	0	13	0	1255,616	sp|P35723	sp|P35723	191
0	2	0	12	0	1356,675	sp|P48837	sp|P48837	362
0	1	0	10	0	1027,505	sp|P33775	sp|P33775	451
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47
1	1	0	26	0	2800,323	sp|P23641	sp|P23641	115
1	5	0	17	0	1895,927	sp|P15367	sp|P15367	61
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463

0	0	0	8	0	978,4627	sp|P21801	sp|P21801	103
0	0	0	12	0	1476,652	sp|Q02725	sp|Q02725	101
0	0	0	20	0	2401,131	sp|P50087	sp|P50087	168
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	12	0	1316,597	sp|P19882	sp|P19882	127
0	1	0	13	1	1472,698	sp|P19882	sp|P19882	127
0	2	0	19	0	2011,986	sp|P11491	sp|P11491	68
0	1	0	11	0	1207,693	sp|P40086	sp|P40086	458
0	1	0	11	0	1230,639	sp|P39742	sp|P39742	80
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	0	0	12	1	1390,699	sp|P54783	sp|P54783	14
2	0	0	7	0	943,4287	sp|P39986	sp|P39986	620
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
1	0	0	10	0	1163,521	sp|P38929	sp|P38929	90
1	0	0	7	0	945,4452	sp|Q02776	sp|Q02776	405
1	0	0	11	0	1249,594	sp|Q01532	sp|Q01532	32
1	1	0	9	0	1152,531	sp|P39004	sp|P39004	228
0	2	0	11	0	1111,635	sp|P07251	sp|P07251	400
0	1	0	12	0	1391,682	sp|P30902	sp|P30902	130
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	1	0	13	0	1421,69	sp|P40086	sp|P40086	67
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
1	0	0	19	1	2285,123	sp|Q02889	sp|Q02889	2
0	0	0	9	0	1005,524	sp|P00128	sp|P00128	2
0	1	0	14	0	1415,726	sp|Q04013	sp|Q04013	2
2	1	0	14	0	1710,815	sp|P00424	sp|P00424	70
0	0	0	18	0	1914,9	sp|P07267	sp|P07267	176
0	0	0	15	0	1631,771	sp|P19146	sp|P19146	128
1	0	0	19	1	2151,075	sp|P32368	sp|P32368	495
2	2	0	30	0	3215,431	sp|P06780	sp|P06780	138
1	3	0	21	0	2215,039	sp|P47127	sp|P47127	247
1	1	0	10	0	1195,624	sp|P04710	sp|P04710	160
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
1	0	0	11	0	1347,551	sp|P25371	sp|P25371	68
0	2	0	16	0	1781,8	sp|P04385	sp|P04385	355
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
1	0	0	29	0	2849,533	sp|P23641	sp|P23641	62
0	1	0	16	0	1655,873	sp|P19882	sp|P19882	475
1	2	0	14	0	1611,789	sp|P06168	sp|P06168	50
1	0	0	8	0	945,5284	sp|P23641	sp|P23641	180
0	0	0	9	0	1014,571	sp|P35723	sp|P35723	170
0	0	0	13	1	1613,718	sp|Q04947	sp|Q04947	184
0	1	0	12	0	1296,631	sp|Q12029	sp|Q12029	72
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
1	0	0	13	0	1447,742	sp|P05030	sp|P05030	571
0	2	0	8	0	883,5491	sp|P02994	sp|P02994	147
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	3	0	26	2	2747,533	sp|P04840	sp|P04840	249

0	1	0	10	0	1207,683	sp|Q04947	sp|Q04947	107
0	1	0	10	0	1219,645	sp|P30902	sp|P30902	89
0	0	0	7	0	841,5385	sp|P07251	sp|P07251	317
2	2	0	31	0	3410,711	sp|P07251	sp|P07251	467
1	1	0	15	0	1737,913	sp|P14906	sp|P14906	494
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	1	0	10	0	1126,614	sp|P25340	sp|P25340	20
0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
0	1	0	25	0	2623,281	sp|P32897	sp|P32897	33
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
1	2	0	17	2	1987,996	sp|P28834	sp|P28834	67
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66
0	1	0	15	0	1736,852	sp|P49334	sp|P49334	75
1	1	0	20	0	2352,186	sp|P08466	sp|P08466	84
0	0	0	14	0	1512,753	sp|P40075	sp|P40075	199
0	3	0	9	0	913,5597	sp|P02994	sp|P02994	429
0	1	0	18	0	2037,009	sp|P32191	sp|P32191	379
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
0	0	0	13	0	1667,794	sp|P54783	sp|P54783	211
1	1	0	11	2	1275,719	sp|P30902	sp|P30902	78
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
0	4	0	23	1	2492,335	sp|P25045	sp|P25045	228
0	2	0	12	1	1358,767	sp|P32340	sp|P32340	362
2	0	0	19	2	2405,104	sp|P13181	sp|P13181	552
2	1	0	7	1	940,4879	sp|P07143	sp|P07143	92
0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q06405	sp|Q06405	29
1	0	0	14	2	1663,843	sp|P39109	sp|P39109	207
0	0	0	8	2	997,6033	sp|P0C5R9	sp|P0C5R9	78
0	1	0	7	1	900,4777	sp|P32563	sp|P32563	61
0	1	0	8	1	942,5498	sp|P40341	sp|P40341	106
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	1	0	12	1	1478,752	sp|P38626	sp|P38626	37
0	0	0	10	1	1188,578	sp|P32353	sp|P32353	315
1	0	0	11	1	1173,651	sp|P09624	sp|P09624	307
1	1	0	19	1	2345,176	sp|P30902	sp|P30902	42
0	0	0	10	2	1218,599	sp|Q3E7B6	sp|Q3E7B6	64
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
0	2	0	18	1	2054,058	sp|P07251	sp|P07251	247
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
0	3	0	17	1	1718,979	sp|P07251	sp|P07251	127
1	2	0	17	1	2064,063	sp|P54837	sp|P54837	146
0	1	0	10	1	1153,657	sp|P00427	sp|P00427	97
0	0	0	12	0	1249,655	sp|P39968	sp|P39968	66
1	0	0	9	0	1006,508	sp|P38631	sp|P38631	930
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	0	0	13	1	1540,789	sp|P07257	sp|P07257	141
1	1	0	17	0	1980,998	sp|P32563	sp|P32563	11
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	0	0	12	0	1295,683	sp|P38244	sp|P38244	873

0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
1	1	0	11	0	1283,63	sp|P47127	sp|P47127	276
0	0	0	10	0	1335,606	sp|Q04947	sp|Q04947	18
0	0	0	12	0	1398,523	sp|P49573	sp|P49573	303
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
0	1	0	17	0	1646,888	sp|P39986	sp|P39986	355
1	0	0	23	1	2706,217	sp|P32891	sp|P32891	130
0	0	0	9	0	955,5339	sp|P32366	sp|P32366	239
0	0	0	9	1	1062,498	sp|Q3E7B6	sp|Q3E7B6	65
0	0	0	9	0	1048,504	sp|P25342	sp|P25342	181
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
0	0	0	13	0	1468,745	sp|P53507	sp|P53507	2
0	0	0	16	0	1722,858	sp|P38286	sp|P38286	228
0	2	0	9	0	990,5498	sp|P39986	sp|P39986	5
0	1	0	8	0	759,4127	sp|P02994	sp|P02994	394
0	0	0	21	0	1977,958	sp|Q02776	sp|Q02776	372
0	1	0	17	0	1612,857	sp|P25374	sp|P25374	334
0	2	0	18	1	2005,049	sp|P25515	sp|P25515	35
3	2	0	20	0	2350,998	sp|P40215	sp|P40215	177
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
0	0	0	7	0	832,3927	sp|P38264	sp|P38264	173
0	0	0	11	0	1263,635	sp|Q3E824	sp|Q3E824	71
0	0	0	14	1	1635,81	sp|Q3E824	sp|Q3E824	71
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
0	1	0	12	0	1342,786	sp|P32340	sp|P32340	106
0	1	0	13	1	1470,881	sp|P32340	sp|P32340	106
0	0	0	14	0	1479,782	sp|P38720	sp|P38720	50
0	0	0	19	0	2042,053	sp|P32366	sp|P32366	220
0	0	0	28	1	2979,576	sp|P32366	sp|P32366	220
1	0	0	8	0	1003,545	sp|P21801	sp|P21801	146
0	1	0	18	1	2100,1	sp|P16622	sp|P16622	190
0	0	0	17	0	1830,014	sp|P32386	sp|P32386	1457
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
1	0	0	12	1	1390,673	CON__P35	CON__P35	369
0	1	0	10	1	1255,609	sp|P14906	sp|P14906	51
1	0	0	13	1	1642,822	sp|P21954	sp|P21954	254
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	1	0	12	0	1301,708	CON__P04	CON__P04	344
0	0	0	13	0	1448,653	sp|P25045	sp|P25045	419
0	2	0	13	2	1495,897	sp|P09457	sp|P09457	169
0	0	0	14	0	1261,59	CON__P13	CON__P13	451
1	0	0	15	0	1630,893	sp|P36148	sp|P36148	185
0	1	0	11	0	1185,679	sp|P08417	sp|P08417	430
0	0	0	7	0	815,4865	sp|P28241	sp|P28241	113
0	0	0	8	1	943,5815	sp|P28241	sp|P28241	113
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	1	0	14	1	1637,853	CON__P04	CON__P04	186

0	0	0	11	0	1077,618	sp|Q0640	sp|Q0640	39
0	1	0	20	0	2240,115	sp|Q1237	sp|Q1237	279
0	0	0	19	0	2117,056	sp|P0083	sp|P0083	416
0	1	0	24	1	2715,4	sp|P0083	sp|P0083	416
0	1	0	11	0	1131,65	sp|P4712	sp|P4712	138
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	17	2	1963,949	sp|P3729	sp|P3729	164
0	1	0	15	0	1770,861	sp|P0229	sp|P0229	62
0	0	0	11	0	1324,674	sp|P0725	sp|P0725	511
0	0	0	13	1	1581,811	sp|P0725	sp|P0725	511
0	2	0	26	1	2753,379	sp|P1318	sp|P1318	285
4	0	0	14	0	1681,799	sp|P2537	sp|P2537	860
0	0	0	12	0	1275,642	sp|P5333	sp|P5333	30
0	2	0	12	0	1301,621	sp|P4712	sp|P4712	344
1	1	0	11	0	1260,574	sp|Q0272	sp|Q0272	176
1	0	0	10	0	1159,639	sp|P4843	sp|P4843	335
1	0	0	14	1	1602,705	sp|P0721	sp|P0721	294
1	2	0	18	0	2047,074	sp|P3238	sp|P3238	1238
0	1	0	13	1	1430,777	sp|P4636	sp|P4636	295
1	1	0	10	0	1119,556	sp|P0484	sp|P0484	2
1	2	0	32	0	3240,54	sp|P0484	sp|P0484	133
0	1	0	15	0	1487,748	sp|P1662	sp|P1662	37
0	2	0	16	0	1802,869	sp|Q0379	sp|Q0379	135
2	0	0	11	0	1350,609	sp|P2130	sp|P2130	39
1	0	0	11	0	1364,632	CON__P13	CON__P13	323
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
0	1	0	16	2	1846,045	sp|P1988	sp|P1988	231
0	1	0	15	1	1645,9	sp|P2130	sp|P2130	24
2	0	0	28	0	2709,115	CON__Q86	CON__Q86	236
1	1	0	23	0	2404,118	sp|P0721	sp|P0721	65
0	1	0	12	0	1349,665	sp|P3219	sp|P3219	314
0	1	0	15	0	1437,674	sp|P3234	sp|P3234	27
0	0	0	9	0	1020,597	sp|P3238	sp|P3238	1422
1	0	0	11	1	1337,719	sp|P0725	sp|P0725	80
0	1	0	13	0	1520,809	sp|P5478	sp|P5478	198
0	2	0	17	0	1897,957	sp|P0725	sp|P0725	248
1	3	0	14	0	1576,81	sp|Q0649	sp|Q0649	312
0	1	0	11	0	1283,564	sp|P0503	sp|P0503	899
0	1	0	10	0	1078,53	sp|P4041	sp|P4041	63
2	2	0	20	0	2227,977	sp|P3376	sp|P3376	266
0	2	0	11	0	1193,64	sp|P0725	sp|P0725	178
1	3	0	22	0	2473,249	sp|P3863	sp|P3863	1117
2	2	0	18	0	1912,924	sp|P2364	sp|P2364	2
0	2	0	18	2	1793,989	sp|Q0817	sp|Q0817	63
1	2	0	20	0	2180,141	sp|P3234	sp|P3234	86
1	0	0	10	0	1133,535	sp|P1725	sp|P1725	412
1	1	0	9	0	951,4662	sp|P3862	sp|P3862	111
1	1	0	9	0	1125,52	sp|P1318	sp|P1318	234
1	0	0	12	0	1283,588	sp|P3862	sp|P3862	91
2	2	0	12	0	1409,744	sp|P1061	sp|P1061	165

1	1	0	14	0	1465,766	sp|P46367	sp|P46367	216
0	1	0	17	1	1866	sp|P07257	sp|P07257	112
0	1	0	12	0	1393,699	sp|P18239	sp|P18239	77
0	1	0	12	0	1285,724	sp|P07251	sp|P07251	213
0	1	0	13	1	1441,825	sp|P07251	sp|P07251	213
1	2	0	18	0	1832,916	sp|P39007	sp|P39007	472
0	1	0	9	0	1079,605	sp|P06780	sp|P06780	24
1	1	0	16	0	1565,732	sp|P23644	sp|P23644	220
0	1	0	11	0	1236,554	sp|P38694	sp|P38694	130
0	1	0	11	0	1230,657	sp|P21306	sp|P21306	28
0	0	0	17	0	1862,901	sp|P49334	sp|P49334	129
0	0	0	24	1	2477,167	sp|P49334	sp|P49334	129
0	1	0	13	0	1404,663	sp|P21954	sp|P21954	319
0	1	0	12	1	1319,735	sp|P28241	sp|P28241	121
0	3	0	19	0	1837,108	sp|P53736	sp|P53736	89
0	0	0	12	0	1436,672	sp|P38286	sp|P38286	2
1	0	0	11	0	1365,77	sp|P25340	sp|P25340	369
0	0	0	9	0	1084,544	sp|P30624	sp|P30624	237
1	2	0	23	0	2414,187	sp|P40215	sp|P40215	364
0	0	0	9	0	940,4978	sp|P14906	sp|P14906	386
0	1	0	19	0	1868,937	sp|P28241	sp|P28241	349
0	2	0	12	1	1403,829	sp|P47075	sp|P47075	138
1	0	0	15	0	1649,9	sp|Q00711	sp|Q00711	187
0	0	0	7	0	786,4137	sp|P37299	sp|P37299	11
0	3	0	16	0	1562,878	sp|P07251	sp|P07251	128
1	1	0	16	0	1713,759	sp|P36112	sp|P36112	470
1	2	0	16	0	1767,92	sp|P32368	sp|P32368	2
2	0	0	11	0	1295,578	sp|P47154	sp|P47154	388
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	0	0	10	0	1013,612	sp|P07255	sp|P07255	2
2	2	0	22	0	2575,175	sp|Q08179	sp|Q08179	297
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49
0	1	0	13	0	1447,767	sp|P19414	sp|P19414	409
1	0	0	10	0	1007,54	sp|Q00711	sp|Q00711	243
1	0	0	11	0	1307,654	sp|P38626	sp|P38626	49
1	1	0	13	1	1556,703	sp|P32568	sp|P32568	474
1	0	0	25	2	2801,424	sp|P32340	sp|P32340	318
1	1	0	11	2	1306,713	sp|Q04947	sp|Q04947	197
0	1	0	10	0	1082,554	sp|P32335	sp|P32335	81
0	2	0	10	0	1056,629	sp|P05030	sp|P05030	175
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	1	0	13	0	1518,768	sp|P40318	sp|P40318	868
0	2	0	10	0	1244,667	sp|P32799	sp|P32799	114
1	0	0	9	0	1095,483	sp|P50085	sp|P50085	140
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	21	2	2362,286	sp|P02994	sp|P02994	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
1	1	0	15	0	1740,909	sp|P25349	sp|P25349	66

1	0	0	15	1	1850,92	CON__P35	CON__P35	322
0	1	0	12	0	1376,697	sp|P32352	sp|P32352	35
0	0	0	9	0	1021,508	sp|P23644	sp|P23644	182
1	0	0	9	0	1080,545	sp|P0CH0	sp|P0CH0	55
0	2	0	26	0	2924,327	sp|P39704	sp|P39704	126
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	2	0	16	0	1628,95	sp|P40215	sp|P40215	114
3	2	0	20	0	2389,194	sp|P33767	sp|P33767	26
1	1	0	13	0	1528,772	sp|P06168	sp|P06168	166
0	0	0	9	1	1176,596	sp|P00424	sp|P00424	123
0	1	0	11	0	1264,63	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	0	0	12	2	1447,731	sp|Q0401	sp|Q0401	207
0	4	0	15	0	1711,962	sp|P32368	sp|P32368	399
0	1	0	14	0	1699,747	sp|P32891	sp|P32891	505
0	1	0	25	1	2767,272	sp|P08067	sp|P08067	122
0	0	0	19	0	1960,993	sp|P39952	sp|P39952	335
0	2	0	7	0	784,4695	sp|Q0302	sp|Q0302	159
0	0	0	8	0	973,5597	sp|P32191	sp|P32191	592
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
1	1	0	23	0	2328,273	sp|P40502	sp|P40502	27
0	0	0	11	0	1357,564	sp|Q0494	sp|Q0494	186
0	0	0	9	0	1094,524	sp|P40215	sp|P40215	482
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
0	1	0	10	0	1090,526	sp|Q0071	sp|Q0071	521
1	0	0	9	1	1122,542	sp|P00830	sp|P00830	224
0	3	0	26	1	2659,4	sp|Q9929	sp|Q9929	211
1	0	0	25	0	2924,393	sp|Q0817	sp|Q0817	190
1	1	0	17	1	2010,986	sp|P36112	sp|P36112	205
1	0	0	10	0	1166,557	sp|P40098	sp|P40098	201
0	2	0	21	0	2298,124	sp|P10614	sp|P10614	190
1	0	0	15	0	1626,835	sp|P32563	sp|P32563	290
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	3	0	18	0	1865,099	sp|P32368	sp|P32368	189
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
1	2	0	19	0	2293,014	sp|P05030	sp|P05030	483
1	3	0	12	0	1418,729	sp|P32563	sp|P32563	215
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197
1	2	0	16	0	1734,898	sp|P00890	sp|P00890	70
1	1	0	11	0	1325,723	sp|P46971	sp|P46971	333
1	2	0	26	0	2907,39	sp|P02994	sp|P02994	185
0	2	0	14	0	1535,758	sp|P33311	sp|P33311	319
0	0	0	11	0	1245,635	sp|P32915	sp|P32915	379
1	0	0	8	0	966,5022	sp|P47127	sp|P47127	35
1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	7	0	893,4429	sp|P23644	sp|P23644	324
1	2	0	22	0	2508,138	sp|P54837	sp|P54837	86
0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264
0	2	0	12	0	1314,718	sp|Q0379	sp|Q0379	107

0	3	0	13	0	1390,761	sp|P14020	sp|P14020	200
1	1	0	13	0	1452,798	sp|P00830	sp|P00830	265
0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
1	3	0	20	0	2112,104	sp|P35191	sp|P35191	394
0	3	0	10	0	941,5546	sp|P40215	sp|P40215	51
1	3	0	10	0	1060,592	sp|P30624	sp|P30624	2
0	1	0	10	0	1227,698	sp|P32563	sp|P32563	196
0	2	0	8	0	841,5022	CON__P00	CON__P00	108
1	3	0	13	0	1545,761	sp|Q12462	sp|Q12462	2
0	1	0	13	0	1495,724	sp|P09624	sp|P09624	474
2	2	0	19	0	2088,928	sp|P36147	sp|P36147	154
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
1	1	0	11	1	1394,672	sp|P54783	sp|P54783	482
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	1	0	8	0	895,4763	sp|P05626	sp|P05626	179
1	1	0	16	0	1879,859	sp|P06780	sp|P06780	58
0	3	0	20	1	2359,191	sp|P49334	sp|P49334	2
0	6	0	24	1	2429,324	sp|P02994	sp|P02994	265
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	1	0	14	0	1637,794	sp|P39522	sp|P39522	435
2	1	0	19	0	2351,09	sp|P40319	sp|P40319	49
0	2	0	12	0	1329,741	sp|P46956	sp|P46956	160
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
0	1	0	15	2	1759,951	sp|P36060	sp|P36060	46
0	4	0	17	0	1835,927	sp|Q01532	sp|Q01532	52
0	5	0	20	1	2179,192	sp|Q12480	sp|Q12480	130
0	1	0	22	0	2427,101	sp|P46367	sp|P46367	353
0	1	0	21	0	2239,144	sp|P38353	sp|P38353	205
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
1	1	0	17	0	1874,814	sp|P19414	sp|P19414	376
0	1	0	8	0	814,4337	sp|P32368	sp|P32368	142
0	1	0	11	0	1165,636	sp|P00044	sp|P00044	34
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	3	0	19	1	2191,094	sp|Q00711	sp|Q00711	620
0	5	0	21	1	2452,26	sp|P46971	sp|P46971	509
0	5	0	20	0	2208,114	sp|P32368	sp|P32368	370
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
0	4	0	21	0	2383,242	sp|P40416	sp|P40416	511
1	1	0	12	0	1376,719	sp|Q02776	sp|Q02776	289
0	3	0	17	0	1867,042	sp|P50085	sp|P50085	288
0	3	0	17	0	1846,111	sp|Q12029	sp|Q12029	239
0	1	0	10	0	1141,671	sp|P39109	sp|P39109	486
1	2	0	11	0	1122,603	sp|P37292	sp|P37292	205
0	4	0	13	1	1578,848	sp|P47075	sp|P47075	74
2	1	0	16	1	2064,946	sp|P32386	sp|P32386	1353
0	1	0	11	0	1126,66	sp|P32191	sp|P32191	368
1	1	0	18	0	2067,111	sp|P38694	sp|P38694	159
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447

0	3	0	14	0	1365,762	sp|P00830	sp|P00830	109
0	1	0	17	1	2021,032	sp|P43585	sp|P43585	103
0	2	0	12	0	1413,729	sp|P05030	sp|P05030	445
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	4	0	15	0	1599,851	sp|P32368	sp|P32368	40
1	3	0	19	0	2148,093	sp|P00427	sp|P00427	72
0	2	0	13	0	1291,786	sp|P32353	sp|P32353	20
0	3	0	11	0	1209,733	sp|P50085	sp|P50085	149
2	1	0	18	0	2038,026	sp|P39685	sp|P39685	578
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
0	2	0	9	0	1031,547	sp|P40215	sp|P40215	542
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
1	1	0	8	0	967,4797	sp|P39986	sp|P39986	384
1	1	0	9	0	1157,583	sp|P32335	sp|P32335	128
0	1	0	15	0	1684,874	sp|P32386	sp|P32386	1494
1	1	0	8	0	919,5127	sp|P36060	sp|P36060	191
1	3	0	29	0	3313,523	sp|P23644	sp|P23644	153
2	1	0	17	0	1938,932	sp|P53723	sp|P53723	16
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
0	2	0	22	0	2297,286	sp|P17505	sp|P17505	189
1	3	0	20	0	2228,163	sp|P08466	sp|P08466	212
0	2	0	9	0	958,5084	sp|P40318	sp|P40318	895
0	2	0	12	0	1320,667	sp|P21576	sp|P21576	185
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407
0	1	0	13	0	1296,704	sp|P38631	sp|P38631	1070
0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237
0	2	0	9	0	959,5036	sp|P05626	sp|P05626	123
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	3	0	17	1	1939,078	sp|P38626	sp|P38626	178
1	2	0	26	0	2643,325	sp|P35723	sp|P35723	73
0	4	0	15	0	1614,847	sp|P36112	sp|P36112	492
1	1	0	8	0	1060,509	sp|P33421	sp|P33421	129
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	2	0	10	0	1059,571	sp|P53075	sp|P53075	61
0	3	0	12	0	1271,636	sp|P05030	sp|P05030	458
0	1	0	15	0	1729,868	sp|P39986	sp|P39986	118
0	1	0	21	1	2360,157	sp|P35180	sp|P35180	69
0	1	0	12	0	1345,636	sp|P34248	sp|P34248	235
0	2	0	16	0	1815,981	sp|P40215	sp|P40215	314
0	1	0	9	0	1089,524	CON__P13	CON__P13	148
0	2	0	17	0	1859,915	sp|P46964	sp|P46964	12
0	4	0	20	0	2104,051	sp|P09624	sp|P09624	230
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
0	2	0	10	0	1015,549	sp|P11491	sp|P11491	206

0	2	0	8	0	969,5607	sp|P05030	sp|P05030	618
1	2	0	18	1	2144,127	sp|P07267	sp|P07267	210
0	3	0	16	0	1597,981	sp|P38885	sp|P38885	44
0	2	0	12	0	1200,635	sp|P07560	sp|P07560	141
0	3	0	9	0	978,5862	sp|P32386	sp|P32386	753
1	1	0	8	0	1071,514	sp|P53075	sp|P53075	45
2	2	0	19	0	1921,957	sp|P40035	sp|P40035	72
1	4	0	21	2	2391,228	sp|P07257	sp|P07257	179
2	2	0	16	1	2036,998	sp|P46367	sp|P46367	330
3	3	0	18	0	2054,996	sp|P81450	sp|P81450	12
2	1	0	7	0	897,4345	sp|P40098	sp|P40098	124
0	2	0	11	0	1316,716	sp|Q96VH.	sp|Q96VH.	34
1	1	0	9	1	1134,546	sp|P30902	sp|P30902	159
0	1	0	15	0	1790,815	sp|P00424	sp|P00424	38
1	0	0	17	0	2056,001	sp|P00854	sp|P00854	68
0	0	0	7	0	889,4368	sp|P40215	sp|P40215	304
0	0	0	9	0	1120,555	sp|P36112	sp|P36112	434
1	1	0	11	0	1399,608	sp|P16622	sp|P16622	107
2	0	0	7	0	918,4236	sp|P28241	sp|P28241	186
1	1	0	27	0	2918,384	sp|P23644	sp|P23644	114
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
1	1	0	13	0	1435,731	sp|P32368	sp|P32368	69
2	0	0	11	1	1283,676	sp|P16622	sp|P16622	137
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165
1	0	0	7	0	829,4446	sp|P32386	sp|P32386	1390
1	1	0	7	0	893,4647	sp|P02994	sp|P02994	56
1	1	0	9	1	1134,644	sp|P02994	sp|P02994	56
1	0	0	13	0	1311,613	sp|P38286	sp|P38286	64
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	0	0	10	0	1185,494	sp|P07267	sp|P07267	133
2	0	0	9	0	1159,53	sp|Q12029	sp|Q12029	16
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	11	0	1314,591	sp|P25379	sp|P25379	27
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
1	2	0	16	0	1783,885	sp|P38631	sp|P38631	1139
2	1	0	16	1	2079,943	sp|P00427	sp|P00427	56
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
1	3	0	15	0	1751,898	sp|P54783	sp|P54783	26
1	0	0	18	0	1888,918	sp|P14906	sp|P14906	195
1	2	0	21	0	2344,268	sp|P41543	sp|P41543	114
1	2	0	14	0	1562,794	sp|P50087	sp|P50087	51
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
3	1	0	11	0	1384,637	sp|P47127	sp|P47127	300
2	1	0	28	1	3091,482	sp|P23641	sp|P23641	113
1	1	0	17	2	1889,026	sp|P32368	sp|P32368	271
2	1	0	10	1	1314,609	sp|P00427	sp|P00427	113

1	1	0	13	2	1504,825	sp|P39004	sp|P39004	262
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	1	0	7	0	924,4375	sp|P13181	sp|P13181	268
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	15	0	1838,859	sp|P34248	sp|P34248	4
1	0	0	16	1	1985,916	sp|P31382	sp|P31382	744
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
1	0	0	10	0	1207,599	sp|P00890	sp|P00890	342
1	1	0	18	2	2206,121	sp|P53075	sp|P53075	130
2	0	0	14	0	1540,752	sp|P32340	sp|P32340	441
1	0	0	10	0	1220,604	sp|P35723	sp|P35723	131
1	2	0	12	0	1354,699	sp|P02994	sp|P02994	85
1	0	0	7	0	867,3974	sp|P13181	sp|P13181	38
1	0	0	10	0	1066,53	sp|P49573	sp|P49573	191
2	0	0	9	0	1112,575	sp|P39522	sp|P39522	26
1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	10	0	1225,576	sp|P19073	sp|P19073	154
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
1	3	0	21	1	2264,111	sp|P38264	sp|P38264	65
1	1	0	13	0	1277,662	sp|P38244	sp|P38244	221
1	1	0	13	0	1555,815	sp|P25087	sp|P25087	296
1	1	0	12	0	1513,757	sp|P47075	sp|P47075	201
2	1	0	9	0	1130,524	sp|P21954	sp|P21954	57
2	0	0	11	0	1412,611	sp|P32368	sp|P32368	484

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity T
250	yes	yes	2	0,001966	109,66	1	12862000	12862000
238	yes	yes	2	1,31E-06	132,86	1	0	0
70	yes	yes	2	1,82E-08	187,42	1	8538100	8538100
126	yes	yes	2	0,00299	78,342	1	1019400	1019400
276	yes	yes	2	8,67E-05	150,15	1	2196000	2196000
182	yes	yes	2	0,020488	46,892	1	9511000	9511000
271	yes	yes	2	0,015766	65,842	1	1230500	1230500
70	yes	yes	3	0,004247	62,081	1	0	0
443	yes	yes	2	0,000386	87,99	1	3874100	3874100
36	yes	yes	2	0,009696	64,64	1	0	0
842	yes	yes	2	0,003255	90,906	1	944170	944170
454	yes	yes	2	0,018768	42,209	1	477070	477070
789	yes	yes	3	0,004734	50,188	1	648810	648810
376	yes	yes	2	0,0009	108,35	1	1241200	1241200
255	yes	yes	2	0,001444	76,358	1	391510	391510
183	yes	yes	2	0,019472	52,599	1	355440	355440
26	yes	yes	2	0,018336	76,847	1	463020	463020
207	yes	yes	2	0,000326	99,283	1	1822300	1822300
614	yes	yes	3	0,003574	48,232	1	636890	636890
134	yes	yes	2	1,29E-06	160,91	1	1220100	1220100
113	yes	yes	3	1,90E-05	89,831	1	0	0
378	yes	yes	3	0,019676	43,635	1	745790	745790
266	yes	yes	2	0,031557	73,248	1	200200	200200
831	yes	yes	2	0,002172	89,266	1	904340	904340
62	yes	yes	2	1,19E-09	145,82	1	3773500	3773500
303	yes	yes	3	0,013545	35,451	1	884280	884280
23	yes	yes	2;3	1,51E-09	150,76	2	2029200	2029200
31	yes	no	2	0,004726	85,676	1	297770	297770
91	yes	yes	2	0,021365	76,064	1	347620	347620
223	yes	yes	2;3	7,51E-10	167,22	3	70660000	70660000
320	yes	yes	3	0,004113	61,423	1	820590	820590
90	yes	yes	3;4	4,17E-08	147,24	2	32712000	32712000
515	yes	yes	2	4,37E-08	180,97	1	11380000	11380000
325	yes	yes	2	0,004113	122,18	1	2345800	2345800
198	yes	yes	3	0,003171	68,952	1	2228400	2228400
126	yes	yes	2	0,013954	71,692	1	1265300	1265300
451	yes	yes	2	0,003291	71,153	1	1528700	1528700
127	yes	yes	2	0,002348	95,815	1	876250	876250
409	yes	yes	2	0,001949	76,357	1	621460	621460
110	yes	yes	2	5,10E-06	121,92	1	1070000	1070000
270	yes	yes	2	0,000789	87,184	1	0	0
186	yes	yes	2	0,007358	123,99	1	2928000	2928000
61	yes	yes	2;3;4	1,16E-09	145,94	3	1,18E+08	1,18E+08
248	yes	yes	2;3	0,000287	96,489	2	2488800	2488800
102	yes	yes	2	0,004312	87,149	1	478770	478770
146	no	no	2	0,011014	63,181	1	533640	533640
177	yes	no	2	1,01E-08	186,76	1	6094000	6094000
167	yes	yes	2	0,000129	152,67	1	2130900	2130900
214	yes	yes	3	0,004928	82,578	1	649050	649050

540	yes	yes		3	0,025295	29,618	1	360470	360470
354	yes	yes		3	0,027995	33,875	1	654840	654840
65	yes	yes		2	1,58E-08	151,22	1	1286800	1286800
136	yes	yes		2	3,78E-17	200,81	1	1574500	1574500
238	yes	yes		2	0,00908	84,568	1	649170	649170
104	yes	yes		3	7,28E-05	105,13	1	3696200	3696200
159	yes	yes		2	0,005862	72,321	1	601560	601560
125	yes	yes		3	0,015351	49,28	1	0	0
235	yes	yes		2	9,12E-05	102,05	1	0	0
39	yes	yes		2	0,034108	55,504	1	0	0
264	yes	yes		2	0,032085	61,56	1	304030	304030
430	yes	yes		2	0,005527	82,831	1	1024700	1024700
431	yes	yes		3	0,015688	46,406	1	725670	725670
103	yes	yes		3	0,000902	71,529	1	1420800	1420800
141	yes	yes		2	8,47E-10	169,58	1	4071800	4071800
142	yes	yes	2;3		2,76E-06	122,78	2	18092000	18092000
525	yes	yes		2	0,027911	60,828	1	451600	451600
325	yes	yes		2	8,74E-08	169,89	1	704840	704840
430	yes	yes		2	2,27E-07	137,13	1	1059500	1059500
510	yes	yes		2	1,00E-17	212,35	1	6135500	6135500
306	yes	yes		2	0,030725	58,981	1	180310	180310
307	yes	yes		2	0,01625	61,691	1	234310	234310
176	yes	yes		2	0,011809	89,903	1	76617000	76617000
262	yes	yes		2	0,000794	85,28	1	9329700	9329700
184	yes	yes		2	5,24E-05	111,88	1	967810	967810
1048	yes	yes		2	0,00149	88,075	1	0	0
811	yes	no		2	0,000122	87,228	1	438780	438780
80	yes	yes		2	0,003792	66,068	1	528780	528780
1755	yes	yes		2	0,002152	89,189	1	818520	818520
62	yes	yes		2	3,41E-08	174,21	1	1415500	1415500
556	yes	yes		2	0,008223	86,833	1	246050	246050
155	yes	yes		2	0,032817	58,098	1	979390	979390
165	yes	yes		2	4,00E-06	126,56	1	758490	758490
368	no	no		2	0,000236	148,91	1	2779300	2779300
352	yes	yes		2	0,020371	74,533	1	1771700	1771700
122	yes	yes		2	4,36E-08	145	1	688670	688670
205	yes	yes		2	2,46E-20	254,53	1	18105000	18105000
211	yes	yes		2	3,35E-05	106,31	1	918880	918880
225	yes	yes		3	0,000811	71,933	1	1486000	1486000
395	yes	yes		2	0,00035	97,163	1	1103900	1103900
111	yes	yes		3	0,000986	85,177	1	1143700	1143700
514	yes	yes		2	0,004723	116,37	1	916780	916780
151	yes	yes		3	0,003638	69,598	1	647340	647340
79	yes	yes		2	0,010217	61,657	1	576650	576650
224	yes	yes		3	0,000518	68,123	1	0	0
69	yes	yes		2	0,010953	60,937	1	2378100	2378100
113	yes	yes		2	2,76E-08	153,32	1	486860	486860
180	yes	yes		3	0,006804	41,911	1	1541700	1541700
483	yes	yes	4;5		0,009035	39,188	2	5104900	5104900
198	yes	yes		2	0,000955	105,2	1	1,36E+08	1,36E+08

334	yes	yes		3	0,011849	51,949	1	740620	740620
502	yes	yes	3;4		1,58E-10	132,26	3	748100	748100
324	yes	yes		2	0,003691	68,044	1	479840	479840
174	yes	yes		2	9,81E-05	103,88	1	791390	791390
815	yes	yes		2	0,034681	43,651	1	430410	430410
279	yes	yes	2;3		5,32E-15	181,64	2	9204700	9204700
273	yes	no		3	3,21E-08	127,32	1	0	0
56	yes	no		3	0,002993	62,287	1	2068900	2068900
132	yes	yes		3	0,037433	31,494	1	0	0
205	yes	yes		2	0,010033	53,554	1	204140	204140
97	yes	yes	2;3		2,60E-08	154,1	2	20851000	20851000
374	yes	yes		3	0,005571	55,415	1	2408100	2408100
126	yes	yes		2	0,027	54,259	1	325110	325110
368	yes	yes		2	0,027	54,259	1	472800	472800
77	yes	yes		3	0,006236	56,139	1	774230	774230
393	yes	yes		2	0,000395	131,82	1	1179800	1179800
182	yes	yes		2	1,49E-05	117	1	37479000	37479000
188	yes	yes		2	1,23E-07	119,66	1	0	0
521	yes	yes		2	0,026863	44,252	1	369360	369360
706	yes	yes		2	0,003809	73,435	1	288960	288960
293	yes	yes		2	0,000118	98,062	1	1564800	1564800
219	yes	yes	3;4		0,000215	97,095	2	7249700	7249700
352	yes	yes		2	0,002711	92,838	1	1249100	1249100
85	yes	yes		2	0,036367	60,76	1	781580	781580
413	yes	yes		2	9,92E-08	148,57	1	1010900	1010900
255	yes	yes		2	0,033578	46,955	1	0	0
115	yes	yes	2;3		4,01E-05	111,77	2	16556000	16556000
40	yes	yes		3	4,20E-05	86,8	1	4709000	4709000
615	yes	yes		2	0,000119	143,5	1	897880	897880
71	yes	yes		2	0,000118	77,899	1	0	0
61	yes	yes		2	0,000343	97,779	1	40408000	40408000
170	yes	yes		2	3,29E-15	227,93	1	6839700	6839700
120	yes	yes	2;3		0,01434	63,624	2	3438900	3438900
53	yes	yes	2;3		0,000586	122,52	2	22016000	22016000
41	yes	yes		2	0,000168	141,1	1	3306800	3306800
352	yes	yes		2	2,42E-08	179,35	1	2644000	2644000
158	yes	yes		2	0,024651	40,278	1	0	0
368	yes	yes		3	0,000226	68,657	1	1682000	1682000
356	yes	yes		2	9,54E-18	209,7	1	2007300	2007300
183	yes	yes		2	0,006884	90,37	1	491120	491120
350	yes	yes		4	0,037598	17,022	1	224290	224290
116	yes	yes		2	0,000347	110,64	1	604340	604340
118	yes	yes		3	0,022197	43,03	1	663560	663560
126	yes	yes		2	0,018325	55,064	1	0	0
205	yes	yes	2;3		6,90E-05	126,5	2	3031500	3031500
23	yes	yes		2	0,000597	94,363	1	0	0
266	yes	yes	2;3		2,75E-13	144,58	2	0	0
141	yes	yes		3	2,75E-06	107,83	1	10243000	10243000
197	yes	yes		3	0,001784	85,176	1	1510800	1510800
145	yes	yes		2	0,004619	67,136	1	5431800	5431800

294	yes	yes		2	0,00028	136,52	1	254940	254940
302	yes	yes		2	4,62E-06	143,25	1	7963200	7963200
303	yes	yes	2;3		4,50E-06	119,77	2	11926000	11926000
296	yes	yes		2	1,05E-10	166,67	1	692650	692650
41	yes	yes		2	0,008504	58,123	1	364660	364660
160	yes	yes		2	4,42E-07	141,65	1	509870	509870
174	yes	yes		2	0,001617	116,05	1	0	0
156	yes	yes	2;3		3,92E-13	180,32	2	8288500	8288500
96	yes	yes	3;4		2,51E-05	123,72	2	5641900	5641900
426	yes	yes		2	0,000138	126,34	1	801210	801210
42	yes	yes		2	6,55E-07	137,93	1	2504600	2504600
335	yes	yes		2	1,27E-11	210,15	1	6589400	6589400
332	yes	yes		2	0,017803	63,426	1	317880	317880
237	yes	yes		2	0,035435	45,28	1	1117500	1117500
476	yes	yes		2	0,000215	131,09	1	0	0
93	yes	yes	2;3		0,000178	94,717	2	2544400	2544400
616	yes	yes		2	0,033175	52,579	1	1812800	1812800
410	yes	yes		3	2,67E-05	106,42	1	0	0
274	yes	yes		2	0,00129	125,97	1	2043700	2043700
85	yes	yes		2	6,45E-17	223,03	1	3194700	3194700
72	yes	yes		3	0,021958	61,78	1	257780	257780
266	yes	yes	2;3		0,000296	89,877	2	6735100	6735100
267	yes	yes		3	0,002696	61,165	1	652490	652490
145	yes	yes		3	0,028679	34,501	1	1804800	1804800
285	yes	yes		2	0,004364	79,201	1	1112400	1112400
161	yes	yes		3	0,033336	20,596	1	850980	850980
384	yes	yes		2	0,002238	99,815	1	1055100	1055100
235	yes	yes		2	8,70E-05	150,09	1	1503200	1503200
205	yes	yes		3	0,032669	16,465	1	359230	359230
302	yes	yes		2	0,008487	86,136	1	764600	764600
303	yes	yes	2;3		0,000381	140,11	2	5444800	5444800
160	yes	yes		2	0,00031	75,533	1	477950	477950
506	yes	yes		2	0,000262	97,163	1	356060	356060
620	yes	yes		2	0,020493	56,936	1	987610	987610
126	yes	yes		2	8,25E-11	173,19	1	1614600	1614600
111	yes	yes		2	1,96E-07	131,25	1	1479100	1479100
102	yes	yes		2	0,001822	77,633	1	1164300	1164300
341	yes	yes	2;3		5,68E-10	176,99	2	83657000	83657000
106	yes	yes		4	0,011448	40,493	1	1441100	1441100
393	yes	yes		2	0,007586	75,509	1	461810	461810
423	yes	yes		2	0,007763	66,708	1	1694300	1694300
600	yes	yes		3	0,013233	43,604	1	0	0
179	yes	yes		2	1,45E-10	165,89	1	3491400	3491400
71	yes	yes		2	3,02E-08	161,87	1	879910	879910
45	yes	yes		2	0,009616	98,418	1	15104000	15104000
127	yes	yes		2	0,026574	62,717	1	836880	836880
82	yes	yes	2;3		0,028609	54,157	2	697240	697240
102	yes	yes		2	1,64E-06	124,48	1	0	0
99	yes	yes		2	1,23E-13	164,81	1	0	0
68	yes	yes		2	0,00012	97,767	1	1279000	1279000

83	yes	yes		3	0,013828	44,847	1	582820	582820
676	yes	yes		3	0,035348	27,882	1	115600	115600
251	yes	yes		2	0,000102	159,79	1	13761000	13761000
181	yes	yes		3	0,014536	34,219	1	536890	536890
251	yes	yes		2	0,002442	81,625	1	488700	488700
127	yes	yes		3	0,013783	82,505	1	13577000	13577000
54	yes	yes		2	0,026847	62,799	1	651790	651790
535	yes	yes		3	0,01305	50,305	1	6649900	6649900
55	yes	yes		3	0,011324	46,159	1	300470	300470
315	yes	yes		2	4,76E-06	155,47	1	3433900	3433900
208	yes	yes		2	0,000328	91,845	1	0	0
114	yes	yes		2	0,0009	108,31	1	15943000	15943000
126	yes	yes		3	2,64E-05	106,57	1	1039500	1039500
141	yes	yes	3;4		7,91E-05	80,031	2	13536000	13536000
535	yes	yes		2	0,009702	96,19	1	28414000	28414000
160	yes	yes		2	0,007336	71,379	1	0	0
345	yes	yes		2	0,009991	62,463	1	0	0
155	yes	yes		2	0,004948	110,12	1	317880	317880
371	yes	yes		2	4,18E-10	152,9	1	0	0
289	yes	no		2	0,011374	55,975	1	541480	541480
247	yes	yes		2	1,23E-08	153,41	1	0	0
511	yes	yes		2	1,65E-07	141,37	1	0	0
68	yes	yes		2	0,020892	47,706	1	0	0
69	yes	yes		3	0,013587	42,718	1	0	0
454	yes	yes		2	7,02E-06	117,13	1	442540	442540
1380	yes	yes		2	1,21E-06	129,05	1	693620	693620
199	yes	yes	2;3		1,20E-09	150,92	2	14086000	14086000
269	yes	yes		2	2,23E-09	150,01	1	766780	766780
163	yes	yes		3	0,001627	59,975	1	2476200	2476200
173	yes	yes		3	1,09E-11	144,72	1	1410100	1410100
510	yes	yes		2	1,36E-06	160,52	1	1321900	1321900
196	yes	yes		2	0,004	72,289	1	818040	818040
979	yes	yes		3	0,030057	27,938	1	1208600	1208600
447	yes	yes		4	0,015342	43,897	1	366140	366140
124	yes	yes		3	0,034617	58,952	1	697650	697650
79	yes	yes		2	0,000238	138,22	1	13662000	13662000
334	yes	yes		2	1,17E-09	154,46	1	2381200	2381200
493	yes	yes		2	0,000221	96,342	1	0	0
38	yes	yes	2;3		1,58E-05	95,414	2	0	0
72	yes	no	2;3		0,002122	104,01	2	2156000	2156000
113	yes	yes		2	0,005362	98,629	1	8925200	8925200
619	yes	yes		3	0,002737	56,036	1	1015300	1015300
247	yes	yes		2	3,41E-08	174,21	1	59190000	59190000
178	yes	yes		2	0,038216	47,869	1	291220	291220
176	yes	yes		2	3,36E-13	206,74	1	6311400	6311400
578	yes	yes		2	0,012049	59,864	1	460980	460980
452	yes	yes		2	8,84E-22	226,22	2	39732000	39732000
364	yes	yes		2	1,23E-07	143,98	1	417530	417530
181	yes	yes		2	0,004985	109,11	1	2529600	2529600
723	yes	yes		2	0,031362	43,761	1	576650	576650

156	yes	yes		3	0,020781	75,566	1	4223600	4223600
306	yes	yes		2	0,001799	115,71	1	766040	766040
226	yes	yes		2	0,005821	93,178	1	387740	387740
180	yes	yes		2	0,000123	100,11	1	907100	907100
165	yes	yes		2	0,018101	63,216	1	702070	702070
86	yes	yes		2	0,03122	48,568	1	230950	230950
170	yes	yes		2	0,001204	83,877	1	496110	496110
353	yes	yes		2	1,04E-09	148,52	1	832390	832390
307	yes	yes		2	0,028638	48,568	1	0	0
242	yes	yes		2	8,14E-10	152,68	1	1485600	1485600
105	yes	yes		2	0,001899	112,11	1	520110	520110
58	yes	yes		2	3,90E-05	126,83	1	1104900	1104900
182	yes	yes		2	0,013099	87,323	1	1254400	1254400
933	yes	yes		3	0,017474	42,243	1	311060	311060
42	yes	yes	2;3		5,78E-07	110,37	2	0	0
123	yes	yes		2	0,001894	112,3	1	1280600	1280600
61	yes	yes		2	1,01E-27	257,46	1	0	0
209	yes	yes		2	1,36E-06	127,29	1	1378500	1378500
1160	yes	yes		2	0,003467	90,15	1	869920	869920
112	yes	yes		2	2,24E-18	240,42	1	24897000	24897000
232	yes	yes		2	0,001463	111,61	1	1358900	1358900
825	yes	yes		2	0,022685	43,955	1	471180	471180
242	yes	yes		2	1,58E-14	169,67	1	1842300	1842300
585	yes	yes		2	0,003957	74,475	1	0	0
99	yes	yes	2;3		0,000584	135,71	2	12917000	12917000
80	yes	yes		4	0,003742	46,337	1	895550	895550
105	yes	no		2	0,009776	94,262	1	1031700	1031700
247	yes	yes		2	7,49E-11	174,94	1	24010000	24010000
154	yes	yes		2	0,000598	106,67	1	2005800	2005800
372	yes	yes		2	0,01263	75,189	1	1001800	1001800
188	yes	yes		2	1,95E-10	171,36	1	1918000	1918000
419	yes	yes		2	0,007292	64,52	1	306020	306020
42	yes	yes		3	0,010093	54,486	1	0	0
171	yes	yes		2	2,52E-06	154,36	1	1254200	1254200
1544	yes	yes		2	8,12E-08	129,06	1	680370	680370
211	no	no		2	8,96E-27	284,12	1	9739600	9739600
251	yes	yes		2	0,01224	76,221	1	522790	522790
686	yes	yes		2	0,001675	91,549	1	1010500	1010500
463	yes	yes	2;3		8,48E-14	173,28	2	1,03E+08	1,03E+08
148	yes	yes		3	0,007058	54,094	1	770560	770560
281	yes	yes		3	0,005259	58,595	1	0	0
62	yes	yes		2	9,62E-13	232,72	1	18861000	18861000
201	yes	yes		2	0,001002	102,52	1	391940	391940
368	yes	yes		2	0,000189	90,422	1	7798600	7798600
11	yes	yes		2	0,004815	133,47	1	3588800	3588800
428	yes	yes		2	0,002176	102,07	1	1066100	1066100
395	yes	yes		2	0,012961	57,859	1	0	0
57	yes	yes		2	0,010747	96,19	1	0	0
219	yes	yes		2	0,016416	51,76	1	246240	246240
54	yes	yes		2	0,000156	94,922	1	1506900	1506900

169	yes	yes		4	0,004493	44,641	1	344380	344380
411	yes	yes		4	0,004986	42,705	1	731960	731960
391	yes	yes	2;3		5,87E-17	199,65	2	1379700	1379700
392	yes	yes		3	0,010945	42,818	1	1461600	1461600
745	yes	yes		3	0,000145	71,872	1	2080100	2080100
59	yes	yes		2	0,021057	53,038	1	1826300	1826300
367	yes	yes		3	0,000923	78,324	1	2554400	2554400
290	yes	yes		2	4,37E-06	144,57	1	1526700	1526700
157	yes	yes		2	0,015551	47,618	1	580550	580550
307	yes	yes		2	1,27E-14	214,58	1	84356000	84356000
41	yes	yes		2	0,000315	92,856	1	2105800	2105800
213	yes	yes		2	7,65E-05	108,58	1	28946000	28946000
164	yes	yes		2	0,001971	74,537	1	0	0
308	yes	yes		2	0,00987	82,279	1	757170	757170
144	yes	yes		3	0,011791	84,479	1	357610	357610
421	yes	yes		3	0,007016	43,208	1	0	0
322	yes	yes		2	0,00912	70,056	1	398420	398420
196	yes	yes	2;3		7,55E-05	82,877	2	1375500	1375500
25	yes	yes		2	0,001397	85,554	1	641150	641150
221	yes	yes		3	0,011809	52,071	1	0	0
54	yes	yes		2	0,004963	109,71	1	4326500	4326500
492	yes	yes		2	0,030725	58,981	1	509030	509030
132	yes	yes		2	0,000411	159,04	1	40872000	40872000
394	no	no		2	4,57E-05	123,67	1	2129400	2129400
504	yes	yes		2	0,005889	72,2	1	7294200	7294200
294	yes	no		2	0,00545	96,19	1	43537000	43537000
482	yes	yes		3	0,003811	88,108	1	1867000	1867000
153	yes	yes		2	0,000376	94,82	1	1339600	1339600
280	yes	yes		2	0,013888	62,088	1	167610	167610
287	yes	yes		2	0,020654	73,616	1	0	0
230	yes	yes		2	0,000204	103,14	1	2887400	2887400
204	yes	yes		2	1,30E-07	142,97	1	25650000	25650000
34	yes	no		2	2,03E-08	157,09	1	2692400	2692400
549	yes	yes		2	3,35E-08	117,38	1	766770	766770
191	yes	yes		2	0,000864	110,39	1	9285500	9285500
13	yes	yes		3	0,029002	33,057	1	656570	656570
619	yes	yes		3	0,010549	37,064	1	870520	870520
513	yes	yes		2	2,04E-06	104,42	1	849550	849550
601	yes	yes		2	0,007271	63,682	1	386710	386710
75	yes	yes		3	0,035581	39,58	1	224070	224070
123	yes	yes		2	0,01263	75,189	1	617430	617430
226	yes	yes		2	0,00141	76,82	1	730680	730680
410	yes	yes	2;3		2,51E-09	166,86	2	39220000	39220000
387	yes	yes	2;3		7,35E-05	101,05	2	1,17E+08	1,17E+08
92	yes	yes		2	0,002841	71,806	1	0	0
94	yes	yes		2	9,39E-06	136,7	1	0	0
35	yes	yes		2	0,025277	50,286	1	0	0
50	yes	yes		4	0,03354	12,864	1	716240	716240
322	yes	yes	2;3		1,92E-06	161,87	2	18832000	18832000
190	yes	yes		3	0,016619	56,424	1	654420	654420

165	yes	yes		2	0,03667	60,064	1	2674200	2674200
167	yes	yes		3	0,004246	67,385	1	29988000	29988000
373	yes	yes		2	8,05E-05	126,03	1	1237300	1237300
126	yes	yes	2;3		2,31E-06	155,47	2	23748000	23748000
449	yes	yes		2	0,009107	84,498	1	520900	520900
117	yes	yes		2	6,33E-17	223,36	1	1001800	1001800
166	yes	yes		2	8,28E-08	151,74	1	22833000	22833000
175	yes	yes	2;3		0,000121	96,745	2	1403100	1403100
410	yes	yes		2	0,019539	74,439	1	1968300	1968300
417	yes	yes	2;3		0,000109	110,44	2	4431400	4431400
260	yes	yes		2	0,009761	64,224	1	758560	758560
261	yes	yes	2;3		0,000737	86,756	2	4303000	4303000
98	yes	yes		2	0,001412	123,86	1	812600	812600
542	yes	yes		2	0,00415	63,447	1	343570	343570
536	yes	no		2	1,57E-05	95,554	1	0	0
104	yes	yes		2	6,43E-13	168,67	1	2263600	2263600
107	yes	no		2	0,010359	81,191	1	3371800	3371800
117	yes	yes	2;3		2,47E-08	134,87	3	552130	552130
110	yes	yes		2	0,005333	99,442	1	751380	751380
46	yes	yes		2	3,99E-14	188,54	1	4785500	4785500
570	yes	yes	3;4		0,003356	83,292	2	5919100	5919100
86	yes	yes		2	0,031868	58,23	1	462060	462060
215	yes	yes		2	0,000421	72,564	1	1027200	1027200
163	yes	yes		2	0,008949	84,916	1	9091200	9091200
1053	yes	no	3;4		0,035811	23,362	2	493340	493340
56	yes	yes		2	0,004874	57,238	1	416000	416000
57	yes	yes		3	0,030758	19,76	1	311300	311300
422	yes	yes		3	0,006118	44,577	1	0	0
195	yes	yes		2	1,53E-06	130,95	1	530990	530990
135	yes	yes		3	0,006356	55,724	1	0	0
384	yes	yes		2	7,53E-11	190,03	1	1733800	1733800
59	yes	yes		2	0,000308	81,878	1	2703500	2703500
405	yes	yes	3;4		4,13E-05	81,799	2	1881400	1881400
270	yes	yes		2	3,66E-08	148,62	1	934430	934430
370	yes	yes	3;4		2,52E-05	84,299	2	17587000	17587000
897	yes	yes		2	0,001218	86,911	1	429830	429830
39	yes	yes		3	0,000356	77,051	1	2354200	2354200
62	yes	yes		2	0,004519	67,234	1	1176000	1176000
606	yes	yes		2	0,004689	85,807	1	4287400	4287400
149	yes	yes		2	0,000266	96,745	1	44690000	44690000
315	yes	yes	2;3		1,63E-20	206,21	2	0	0
316	yes	yes	2;3		1,86E-06	102,03	2	0	0
71	yes	yes		2	0,006754	63,31	1	530640	530640
55	yes	yes	2;3		1,04E-07	141,82	2	3927300	3927300
91	yes	yes	2;3		0,004106	58,812	2	1656400	1656400
146	yes	yes		2	0,003252	84,31	1	1121600	1121600
67	yes	yes		2	1,42E-17	237,07	1	79084000	79084000
296	yes	yes		2	0,007632	88,495	1	242910	242910
548	yes	yes		2	5,57E-13	171,78	1	1271900	1271900
310	yes	yes	2;3		9,21E-06	143,97	2	1,04E+08	1,04E+08

278	yes	yes		3	0,014228	42,388	1	521480	521480
28	yes	yes		2	0,002002	90,05	1	192990	192990
226	yes	yes		2	2,83E-08	184,87	1	6316400	6316400
118	yes	no		4	0,000405	83,182	1	1709400	1709400
188	yes	yes		4	0,000375	74,783	1	1420000	1420000
1390	yes	no		4	0,029533	12	1	156940	156940
361	yes	yes		3	8,76E-05	102,53	1	503310	503310
390	yes	yes		3	0,030895	27,271	1	407620	407620
130	yes	yes		3	2,29E-05	112,5	1	573430	573430
342	yes	yes		3	8,34E-07	118,52	1	885730	885730
285	yes	yes		2	0,012602	63,091	1	1346300	1346300
120	yes	yes		4	0,022973	36,447	1	1165900	1165900
385	yes	yes		2	0,022095	60,398	1	543360	543360
170	yes	yes		2	0,005405	97,431	1	710470	710470
146	yes	yes		2	1,61E-13	186,17	1	8377400	8377400
148	yes	yes		3	8,78E-09	146,67	1	12026000	12026000
357	yes	yes		4	0,005911	53,491	1	3141000	3141000
61	yes	yes		3	6,19E-07	119,04	1	1931700	1931700
482	yes	yes		3	0,001158	71,933	1	0	0
156	yes	yes		4	0,010992	38,942	1	2266200	2266200
219	yes	yes	2;3		6,71E-09	160,63	2	5518900	5518900
126	yes	yes		4	0,035203	25,53	1	114100	114100
270	yes	yes		2	8,18E-23	233,46	1	1936900	1936900
38	yes	yes	2;3		0,0018	115,7	2	52860000	52860000
215	yes	yes		2	9,15E-07	137,81	1	1398300	1398300
504	yes	yes		2	0,000192	87,647	1	0	0
137	yes	yes		2	1,28E-05	115,73	1	5762000	5762000
72	yes	yes		2	0,0045	66,674	1	652850	652850
63	yes	yes		2	0,018603	50,805	1	0	0
109	yes	yes		2	0,011829	63,694	1	254180	254180
341	yes	yes		2	0,018742	76,035	1	256940	256940
137	yes	yes		2	0,013056	60,157	1	305350	305350
548	yes	yes		2	0,001736	75,764	1	840310	840310
343	yes	yes		3	0,017477	38,995	1	230320	230320
462	yes	yes		2	0,009493	101,6	1	5174500	5174500
113	yes	yes		2	0,002002	90,05	1	973360	973360
188	yes	yes		2	6,29E-05	110,44	1	1702200	1702200
156	yes	yes		2	7,79E-30	273,39	1	23483000	23483000
179	yes	yes		3	0,037475	30,687	1	194350	194350
243	yes	yes		2	0,019499	66,351	1	1078800	1078800
140	yes	yes		2	0,030163	59,35	1	425830	425830
403	no	no		2	0,012905	74,464	1	1600000	1600000
283	yes	yes		2	0,015548	52,167	1	0	0
239	yes	yes	2;3		2,72E-38	267,69	2	5076600	5076600
133	yes	yes		2	0,009315	83,948	1	1894100	1894100
17	yes	yes		2	0,009491	101,64	1	9699000	9699000
510	yes	yes		2	6,10E-13	198,74	1	1,01E+08	1,01E+08
34	yes	yes		2	0,006926	67,519	1	888810	888810
257	yes	yes		2	0,007098	67,385	1	818900	818900
98	yes	yes		4	0,017201	34,944	1	750740	750740

325	yes	yes		2	0,033914	50,04	1	160590	160590
196	yes	yes		2	0,001565	86,882	1	94570000	94570000
138	yes	yes		4	0,02666	27,924	1	1977200	1977200
180	yes	yes		2	0,022525	74,301	1	171060	171060
88	yes	yes		3	2,14E-07	106,12	1	0	0
150	yes	yes	3;4		0,001667	93,839	2	3704500	3704500
71	yes	yes		3	0,037366	36,76	1	399230	399230
412	yes	yes		3	0,037335	12,014	1	456380	456380
130	yes	yes	2;3		1,24E-05	94,454	2	2104300	2104300
139	yes	yes		2	1,79E-06	158,25	1	90313000	90313000
143	yes	yes	2;3		2,54E-21	224,06	2	88968000	88968000
204	yes	yes	2;3		1,99E-05	88,555	2	0	0
97	yes	yes		3	0,00607	46,877	1	0	0
84	yes	yes	2;3		9,35E-05	119,88	2	10158000	10158000
85	yes	yes	3;4		0,00851	59,116	2	5929000	5929000
250	yes	yes		3	0,034168	45,368	1	70770	70770
67	yes	yes	2;3		2,13E-08	154,88	2	1,56E+08	1,56E+08
155	yes	yes		3	0,014982	47,506	1	0	0
348	yes	yes		2	0,000102	120,77	1	2317000	2317000
343	yes	yes		2	0,000801	113,93	1	1263300	1263300
352	yes	yes	2;3		5,63E-05	113,11	2	7273700	7273700
179	yes	yes	2;3		0,000101	94,313	2	30687000	30687000
46	yes	yes		2	0,011814	63,534	1	0	0
712	yes	yes		2	0,035119	40,475	1	0	0
16	yes	yes		2	0,034795	51,436	1	2225200	2225200
433	yes	yes		2	1,44E-06	177,78	1	1248300	1248300
80	yes	yes	3;4		0,00633	47,622	2	3977400	3977400
613	yes	yes		3	0,004448	51,566	1	0	0
260	yes	yes		2	0,00999	75,189	1	0	0
249	yes	yes		3	0,000293	78,191	1	0	0
134	yes	yes		2	5,74E-05	110,12	1	703060	703060
414	yes	yes		2	0,000324	87,647	1	0	0
140	yes	yes		2	0,001031	100,88	1	498790	498790
327	yes	yes		2	0,011933	68,915	1	0	0
328	yes	yes	2;3		5,35E-21	214,52	2	0	0
157	yes	yes		3	0,022565	64,705	1	1078800	1078800
233	yes	yes		2	0,0241	56,404	1	1178800	1178800
54	yes	yes		2	2,84E-09	202,96	1	45526000	45526000
435	yes	yes		2	8,85E-05	95,854	1	0	0
370	yes	yes		2	0,00378	102,06	1	583330	583330
160	yes	yes		4	0,005658	58,172	1	488000	488000
358	yes	yes		3	0,028273	50,354	1	348120	348120
175	yes	yes		2	0,001966	109,66	1	363080	363080
307	yes	yes		3	0,000182	75,143	1	1472800	1472800
219	yes	yes		3	2,47E-07	117,55	1	36791000	36791000
265	yes	yes		2	0,000264	88,283	1	1450000	1450000
34	yes	yes		2	0,022462	69,176	1	8071700	8071700
680	yes	yes		2	4,31E-08	138,05	1	0	0
536	yes	yes		3	0,021453	79,492	1	2940500	2940500
175	yes	yes		2	0,002034	107,21	1	779440	779440

187	yes	yes		3	0,001411	67,095	1	682220	682220
34	yes	yes		2	4,75E-10	179,46	1	42572000	42572000
35	yes	yes	2;3		0,001594	72,815	2	21610000	21610000
95	yes	yes		2	0,009681	63,16	1	794760	794760
249	yes	yes		2	5,62E-05	118,76	1	2568600	2568600
286	yes	yes		2	1,78E-08	182,71	1	66410000	66410000
150	yes	yes		2	0,006525	91,318	1	3907300	3907300
19	yes	yes		2	0,001221	96,034	1	0	0
424	yes	yes		3	0,001111	74,698	1	1886200	1886200
260	yes	yes	2;3		0,00029	102,53	2	2600400	2600400
405	yes	yes		2	0,000581	69,935	1	152400	152400
431	yes	yes		3	0,014412	70,373	1	475360	475360
230	yes	yes		3	4,66E-05	97,271	1	1260400	1260400
14	yes	yes		2	0,009272	107,32	1	305270	305270
227	yes	yes		3	0,004653	63,694	1	2587600	2587600
200	yes	yes		2	0,033138	62,714	1	766970	766970
250	yes	yes	2;3		0,003215	80,834	2	4104400	4104400
23	yes	yes		3	0,00029	75,911	1	1079700	1079700
235	yes	yes		3	0,00075	81,709	1	0	0
262	yes	yes	2;3		9,36E-06	116,78	2	28530000	28530000
426	yes	yes		3	0,013573	53,448	1	713640	713640
38	yes	yes	2;3		2,45E-08	128,79	2	0	0
159	yes	yes		2	0,009461	56,258	1	0	0
310	yes	yes		3	0,011011	50,354	1	317290	317290
112	yes	yes	2;3		2,41E-06	125,33	2	2622700	2622700
49	yes	yes		3	0,038034	33,265	1	752280	752280
697	yes	yes		3	0,017347	48,188	1	436950	436950
308	yes	yes		3	0,030407	40,994	1	15826000	15826000
292	yes	yes		3	0,008112	48,131	1	695010	695010
166	yes	yes	2;3		5,91E-05	99,669	2	3489800	3489800
211	yes	yes		3	0,030817	25,408	1	677680	677680
370	yes	yes	3;4		4,60E-05	75,414	3	60000000	60000000
331	yes	yes		3	5,44E-05	101,2	1	1027900	1027900
77	yes	yes		3	0,007212	47,726	1	3525000	3525000
265	yes	yes		3	0,000185	75,91	1	866080	866080
86	yes	yes		2	0,016228	59,265	1	465500	465500
292	yes	yes		3	0,010429	45,433	1	0	0
299	yes	yes		3	0,000196	88,561	1	2919200	2919200
246	yes	yes	2;3		3,59E-06	143,97	2	13746000	13746000
247	yes	yes		3	0,001473	71,176	1	942990	942990
86	yes	yes	2;3		7,00E-05	107,34	3	1214200	1214200
954	yes	yes		3	0,007571	41,648	1	667630	667630
227	yes	yes		3	0,009191	50,088	1	509100	509100
172	yes	yes	3;4		4,91E-08	115,01	2	65487000	65487000
348	yes	yes		3	0,002147	58,024	1	0	0
438	yes	yes		3	0,015375	44,612	1	172290	172290
31	yes	yes		3	0,000284	128,51	1	1127200	1127200
65	yes	yes		4	0,032276	4,9491	1	873980	873980
132	yes	yes		3	0,012961	52,495	1	555760	555760
363	yes	yes		2	0,000623	115,29	1	6553100	6553100

123	yes	no		2	0,004541	93,598	1	1241400	1241400
131	yes	yes	2;3		0,004096	75,788	2	7997900	7997900
469	yes	no		3	0,000281	89,231	1	1742600	1742600
75	yes	yes	2;3		0,00088	97,163	2	8995900	8995900
76	yes	yes	2;3		5,39E-08	169,21	2	31573000	31573000
693	yes	yes		3	0,028894	35,657	1	0	0
281	no	no		3	0,0321	40,994	1	713920	713920
175	yes	yes		3	0,011559	56,432	1	168030	168030
85	yes	yes		3	0,007266	61,344	1	536880	536880
235	no	no		2	0,013363	86,794	1	2153100	2153100
247	yes	yes		2	0,002606	76,357	1	5339700	5339700
296	yes	yes		2	2,11E-10	165,16	1	17499000	17499000
220	yes	yes		2	6,86E-05	128,88	1	2087700	2087700
136	yes	yes		3	0,004849	47,223	1	733280	733280
143	yes	yes		2	0,009738	73,499	1	430390	430390
518	yes	yes		3	0,00215	55,705	1	2231800	2231800
318	yes	no		2	0,000203	93,716	1	1920800	1920800
324	yes	yes		2	1,79E-05	116,58	1	12655000	12655000
171	yes	yes		2	2,62E-05	102,73	1	0	0
311	yes	yes		3	0,000509	75,018	1	785330	785330
340	yes	yes		2	0,000904	89,301	1	456220	456220
159	yes	yes		2	0,000158	85,536	1	0	0
979	yes	yes		2	5,18E-05	120,84	1	1346500	1346500
83	yes	yes		4	0,024795	26,13	1	4967700	4967700
272_YEAST	yes	yes		2	0,009786	94,006	1	2354100	2354100
365	yes	yes		2	0,025024	55,721	1	1062100	1062100
84	yes	yes		2	0,004437	69,672	1	550610	550610
601	yes	yes		2	0,000941	105,98	1	1013300	1013300
39	yes	yes		2	0,001162	77,192	1	1704600	1704600
40	yes	yes		3	0,037015	22,855	1	1718900	1718900
901	yes	yes		3	0,00648	49,188	1	784470	784470
75	yes	yes		2	0,004681	77,744	1	346470	346470
290	yes	yes	2;3		4,91E-06	120,59	2	3892600	3892600
276	yes	no		2	0,016018	55,98	1	1169100	1169100
102	yes	yes		2	1,52E-06	118,5	1	435660	435660
166	yes	yes		3	0,014315	43,557	1	721360	721360
393	yes	yes		2	0,003565	68,168	1	369820	369820
95	yes	yes		2	6,34E-07	166,11	1	30396000	30396000
108	yes	yes		3	2,56E-06	108,37	1	28926000	28926000
450	yes	no		2	0,002287	98,04	1	1036700	1036700
181	yes	yes	2;3		0,000617	133,42	2	14778000	14778000
79	yes	yes		2	0,007655	48,907	1	0	0
163	yes	yes		2	0,000104	106,54	1	941680	941680
43	yes	yes		2	0,002372	78,342	1	0	0
35	yes	yes		2	4,69E-05	114,89	1	0	0
85	yes	yes		2	8,23E-06	146,5	1	1285200	1285200
139	yes	yes		2	0,001241	69,979	1	341440	341440
326	yes	yes		3	2,39E-05	111,81	1	1050200	1050200
122	yes	yes		3	0,006353	54,094	1	1069400	1069400
46	yes	yes	2;3		6,09E-14	186,72	2	54561000	54561000

435	yes	yes		2	0,00253	141,98	1	46042000	46042000
84	yes	yes		2	0,005606	73,499	1	1439000	1439000
136	yes	yes		2	2,45E-06	133,16	1	925090	925090
330	yes	yes		2	0,01072	59,75	1	0	0
402	yes	yes		2	0,008091	87,181	1	596630	596630
82	yes	yes		2	0,020667	49,216	1	256150	256150
483	yes	yes		2	4,11E-06	126,1	1	1726200	1726200
967	yes	yes		2	0,000177	97,631	1	1132000	1132000
77	yes	yes		3	3,45E-06	103,73	1	2767500	2767500
359	yes	yes		2	0,020813	58,604	1	0	0
82	yes	yes	2;3		4,97E-06	122,46	2	20659000	20659000
84	yes	yes	3;4		9,01E-08	155,39	2	24226000	24226000
382	yes	yes	3;4		0,002462	54,857	2	3034500	3034500
615	yes	no		3	0,005639	44,529	1	0	0
61	yes	yes		3	2,84E-08	125,23	1	0	0
216	yes	yes		2	0,007905	74,376	1	4966500	4966500
308	yes	yes		2	0,009141	57,173	1	466840	466840
284	yes	yes		3	2,49E-05	106,42	1	0	0
534	yes	yes		2	0,037548	46,457	1	411340	411340
66	yes	yes		3	0,03774	14,694	1	1477800	1477800
68	yes	yes	2;3		0,001018	101,65	2	2452800	2452800
425	yes	yes		4	0,011448	40,493	1	2426400	2426400
501	yes	yes		2	0,001167	89,266	1	1977700	1977700
422	yes	yes		2	0,020448	61,56	1	424810	424810
380	yes	yes		2	0,0241	56,404	1	228210	228210
336	yes	yes	2;3		1,99E-07	115,68	2	619620	619620
135	yes	yes		2	7,35E-09	152,94	1	0	0
142	yes	yes		3	0,002049	58,093	1	0	0
244	yes	yes		2	0,00249	70,889	1	621480	621480
224	yes	yes		3	0,010998	48,115	1	0	0
264	yes	yes		2	0,000145	125,36	1	1227600	1227600
475	yes	yes		2	0,000757	140,78	1	34624000	34624000
344	yes	yes		3	0,006431	68,189	1	1822800	1822800
145	yes	yes		3	0,034099	45,598	1	1144400	1144400
115	yes	yes		3	0,0262	66,351	1	550040	550040
406	yes	yes	2;3		1,45E-21	216,77	5	1,07E+08	1,07E+08
415	yes	yes		4	0,033918	12,448	1	838040	838040
323	yes	yes		3	0,000952	64,705	1	2499800	2499800
176	yes	yes		3	4,53E-05	96,247	1	0	0
358	yes	yes		3	0,020965	44,395	1	714930	714930
59	yes	yes		2	6,38E-11	201,09	2	1758900	1758900
86	yes	yes		2	0,000898	108,43	1	988160	988160
415	yes	yes		2	5,50E-08	123,1	1	0	0
187	yes	yes		3	0,003578	57,288	1	0	0
84	yes	yes		3	2,48E-14	170,02	1	30632000	30632000
568	yes	yes		2	0,004035	88,134	1	971660	971660
109	yes	yes		2	0,000338	80,585	1	321660	321660
372	yes	yes		2	0,033397	63,419	1	269340	269340
536	yes	yes		2	0,010727	80,219	1	490110	490110
155	yes	yes		3	0,03501	28,903	1	941450	941450

213	yes	yes		2	0,000148	141,89	1	2217500	2217500
305	yes	yes		2	0,014747	69,598	1	592510	592510
55	yes	yes	2;3		1,54E-07	139,02	2	3197900	3197900
148	yes	yes	2;3		0,004375	96,034	2	4920600	4920600
129	yes	yes		2	0,00505	107,29	1	1934200	1934200
503	yes	yes		2	1,34E-05	113,81	1	1225600	1225600
71	yes	yes		2	0,002232	100,02	1	1887000	1887000
253	yes	yes		2	0,008661	85,676	1	4512600	4512600
61	yes	yes		3	0,008479	45,614	1	944350	944350
93	yes	yes	2;3		0,000136	83,948	2	0	0
55	yes	yes		2	0,006562	79,148	1	532960	532960
158	yes	yes		2	0,022568	60,064	1	1858900	1858900
384	yes	yes		1	0,037797	2,8367	1	168250	168250
57	yes	yes		3	0,03743	11,001	1	3008300	3008300
420	yes	yes		3	0,037438	24,089	1	176240	176240
433	yes	yes		2	0,000281	95,183	1	331700	331700
397	yes	yes	2;3		3,82E-10	129,52	2	8293300	8293300
417	yes	yes		2	0,029762	64,757	1	2006800	2006800
143	yes	yes		3	0,005795	60,08	1	1824500	1824500
573	yes	yes	2;3		0,000529	67,396	2	797500	797500
351	yes	yes		2	0,000108	102,39	1	1177500	1177500
821	yes	yes		2	0,026575	45,68	1	0	0
16	yes	yes		2	0,013954	71,692	1	508160	508160
85	yes	yes		2	0,01823	77,058	1	3526800	3526800
172	yes	yes	3;4;5		0,000123	70,771	3	70365000	70365000
144	yes	yes		3	0,02049	80,245	1	828490	828490
335	yes	yes		3	0,004173	88,706	1	1546400	1546400
417	yes	no		3	0,037773	36,684	1	384490	384490
379	yes	no		2	0,005578	63,691	1	581580	581580
166	yes	yes		2	3,12E-13	180,7	1	25708000	25708000
274	yes	yes		2	0,00226	143,02	1	8575800	8575800
120	yes	yes		2	0,00939	64,534	1	243770	243770
418	yes	yes		2	0,011019	52,966	1	0	0
402	yes	yes		2	0,003204	91,087	1	2251100	2251100
158	yes	yes		2	0,000356	90,422	1	242000	242000
206	yes	yes		3	0,019341	39,746	1	902690	902690
141	yes	yes		3	0,000455	84,352	1	3229400	3229400
1364	yes	yes		2	0,000264	91,932	1	895100	895100
168	yes	yes		2	0,005142	104,75	1	8563300	8563300
408	yes	yes		2	0,005834	93,143	1	4591300	4591300
409	yes	yes	2;3		0,001992	93,649	2	6542400	6542400
597	yes	yes		2	9,98E-05	94,717	1	0	0
94	yes	yes		2	0,0254	46,797	1	961410	961410
223	yes	yes		4	0,027361	18,534	1	941480	941480
444	yes	yes		2	0,022844	49,298	1	387260	387260
107	yes	yes		2	0,029721	52,247	1	4052500	4052500
473	yes	yes		2	0,007162	69,216	1	0	0
450	yes	yes		2	0,009486	67,214	1	626400	626400
277	yes	yes		2	0,000146	101,43	1	1259900	1259900
180	yes	yes		2	0,000321	92,792	1	374910	374910

10_YEAST	yes	yes		2	0,009652	97,473	1	68363000	68363000
365	yes	yes		2	7,98E-07	163,51	1	10430000	10430000
408	yes	yes		2	0,000476	89,231	1	0	0
262	yes	yes		2	0,011372	90,777	1	789370	789370
500	yes	yes		2	0,00012	111,94	1	768000	768000
30	yes	yes		2	0,000631	88,596	1	0	0
201	yes	yes		2	0,017201	79,116	1	950430	950430
317	yes	yes		2	0,016064	64,654	1	287660	287660
538	yes	yes		2	0,002318	88,596	1	503790	503790
340	yes	yes		2	6,90E-06	149,94	1	6108400	6108400
23	yes	yes		2	0,034732	45,829	1	1208100	1208100
93	yes	yes	2;3		2,74E-18	224,06	2	2,04E+08	2,04E+08
301	yes	yes		2	0,037031	60,358	1	315160	315160
266	yes	yes		2	0,002085	72,29	1	0	0
159	yes	yes		2	4,53E-19	216,34	1	25671000	25671000
401	yes	yes		2	0,004766	66,387	1	2968200	2968200
239	yes	yes		2	0,003574	74,841	1	776180	776180
297	yes	yes		3	0,017968	64,246	1	770450	770450
447	yes	yes	2;3		0,000135	70,994	2	0	0
116	yes	yes		2	0,013015	74,173	1	883280	883280
246	yes	yes		2	7,96E-06	147,2	1	12077000	12077000
84	yes	yes		3	0,000775	109,48	1	2774800	2774800
266	yes	yes		3	0,001295	64,89	1	2725700	2725700
109	yes	yes		2	5,84E-06	152,67	1	1660500	1660500
61	yes	yes		2	0,001091	97,472	1	761510	761510
93	yes	yes		2	0,017696	56,122	1	0	0
418	yes	yes		2	0,001636	91,318	1	0	0
86	yes	yes		2	6,29E-08	190,86	1	0	0
15	yes	yes		3	0,002259	63,29	1	0	0
163	yes	yes		2	5,14E-05	85,61	1	0	0
566	yes	no		2	0,001039	84,31	1	0	0
354	yes	yes		3	0,000198	89,266	1	0	0
166	yes	yes		3	4,74E-07	115,91	1	0	0
273	yes	yes		3	0,00367	54,764	1	0	0
65	yes	yes		3	0,008369	44,925	1	0	0
19	yes	yes	2;3		8,27E-05	86,179	2	0	0
13	yes	yes		2	0,022347	58,274	1	0	0
46	yes	yes		2	0,019542	54,539	1	0	0
90	yes	yes		3	0,008116	53,448	1	0	0
530	yes	yes		2	1,33E-05	133,16	1	0	0
247	yes	yes		2	0,000819	86,498	1	416470	416470
248	yes	yes		3	0,009177	47,774	1	839480	839480
283	yes	yes		2	0,015191	60,019	1	0	0
153	no	no		2	1,94E-07	142,1	1	4386800	4386800
120	yes	yes		2	2,91E-05	173,39	1	818020	818020
344	yes	yes	2;3		2,53E-11	163,15	2	15354000	15354000
181	yes	yes	2;3		4,41E-14	184,66	2	0	0
178	yes	yes		2	0,000625	88,78	1	540710	540710
137	yes	yes		2	0,000219	138,99	1	2956400	2956400
112	yes	yes		2	0,003183	77,185	1	486250	486250

108	yes	yes		2	1,63E-13	211,77	1	21173000	21173000
251	yes	yes		2	0,004364	79,201	1	764580	764580
466	yes	yes		2	0,00136	72,898	1	1084200	1084200
424	yes	yes		2	0,008616	65,179	1	360280	360280
61	yes	yes		2	0,003043	91,658	1	1090500	1090500
83	yes	yes		2	2,44E-07	166,45	1	2877900	2877900
62	yes	yes		2	3,15E-06	130,19	1	6416600	6416600
77	yes	yes		2	7,30E-06	101,75	1	388740	388740
190	yes	yes		2	0,000171	79,029	1	604500	604500
132	yes	yes		3	0,004354	86,944	1	1735400	1735400
19	yes	yes		2	0,004269	121,09	1	12224000	12224000
598	yes	yes		2	8,73E-05	107,11	1	2293000	2293000
169	yes	yes		2	0,000928	90,697	1	973840	973840
335	yes	yes	2;3		5,16E-18	226,23	2	1646400	1646400
460	yes	yes		3	0,031986	32,191	1	278080	278080
358	yes	yes	2;3		0,007774	74,841	2	1468100	1468100
290	yes	yes		2	0,000553	89,624	1	699920	699920
129	yes	yes		2	0,018438	49,343	1	403130	403130
379	yes	yes		2	0,000149	102,97	1	0	0
107	yes	yes		2	3,49E-20	258,01	1	18537000	18537000
359	yes	no		2	1,56E-08	183,89	1	1812900	1812900
144	yes	yes	2;3		6,92E-11	176,23	2	7644700	7644700
104	yes	yes		2	1,23E-17	237,59	1	71277000	71277000
505	yes	yes		2	0,000127	76,678	1	0	0
119	yes	yes		2	4,96E-05	133,42	1	1311300	1311300
136	yes	yes		2	0,025522	55,353	1	586570	586570
438	yes	yes		3	0,006983	55,98	1	9598200	9598200
438	yes	yes		2	3,93E-06	119,87	1	313400	313400
369	yes	yes		3	0,011302	44,511	1	1421600	1421600
72	yes	yes		2	0,000162	107,53	1	797570	797570
289	yes	yes		2	0,000665	120,77	1	3890500	3890500
239	yes	yes		2	1,55E-07	150,49	1	7819400	7819400
240	yes	yes		3	0,003888	65,295	1	7795900	7795900
169	yes	yes		2	0,018108	57,267	1	623840	623840
569	yes	yes		3	0,001604	62,589	1	906700	906700
145	yes	yes		2	6,24E-23	229,93	1	0	0
267	yes	yes		2	0,005035	62,166	1	0	0
214	yes	yes		2	0,000995	131,09	1	857980	857980
107	yes	yes		2	0,003346	65,374	1	0	0
218	yes	yes		2	0,004661	67,095	1	243100	243100
311	yes	yes		2	0,017601	52,527	1	1015000	1015000
533	yes	yes		2	1,73E-06	123,08	1	1323200	1323200
251	yes	yes		2	0,036506	47,228	1	146130	146130
203	yes	yes		2	0,001912	76,728	1	562100	562100
373	yes	yes		2	5,23E-05	120,57	1	302910	302910
460	yes	yes		2	0,0241	56,404	1	879280	879280
59	yes	yes	2;3		1,02E-28	284,91	2	18144000	18144000
140	yes	yes	2;3		0,000374	66,925	2	0	0
77	yes	yes		2	0,00087	77,795	1	697510	697510
471	yes	yes		2	0,028266	56,043	1	439800	439800

110	yes	yes		2	0,004971	109,48	1	1705800	1705800
112	yes	yes		2	0,000245	98,942	1	556910	556910
187	yes	yes		3	0,002472	56,819	1	0	0
77	yes	yes	2;3		1,29E-16	220,37	2	34769000	34769000
138	yes	yes		2	1,18E-05	134,49	1	0	0
139	yes	yes		3	0,009262	44,612	1	0	0
86	yes	yes		2	2,87E-18	195,48	1	0	0
468	yes	yes	2;3		0,00028	103,46	2	3623200	3623200
90	yes	yes		2	0,006569	63,091	1	0	0
322	yes	yes		3	4,02E-05	80,868	1	0	0
349	yes	yes	2;3		1,19E-05	115,91	2	0	0
25	yes	yes		2	5,30E-06	151,55	1	1622400	1622400
626	yes	yes		2	0,014883	83,753	1	592470	592470
164	yes	yes	2;3		0,000384	70,907	2	6597400	6597400
99	yes	yes		2	0,033444	58,699	1	203970	203970
411	yes	yes		2	0,01537	52,636	1	0	0
42	yes	no		2	5,92E-05	131,12	1	511210	511210
236	yes	no		2	0,001755	117,31	1	693780	693780
410	yes	yes		2	0,000942	90,614	1	1494000	1494000
141	yes	yes		2	7,38E-08	128,36	1	0	0
267	yes	yes		2	0,000159	94,487	1	1193400	1193400
79	yes	yes		3	0,00167	67,997	1	1101300	1101300
166	yes	yes		2	1,36E-07	138,81	1	0	0
20	yes	yes		3	0,001122	88,951	1	1866200	1866200
10	yes	yes		2	0,007546	75,652	1	16733000	16733000
15	yes	yes		2	1,68E-06	133,23	1	1601200	1601200
83	yes	yes		2	3,19E-08	151,07	1	913890	913890
193	yes	yes		2	0,000623	77,969	1	901430	901430
142	yes	no		2	0,011256	48,216	1	0	0
513	yes	yes		4	0,019597	32,366	1	813880	813880
167	yes	yes		3	0,031214	17,619	1	683220	683220
267	yes	yes		3	0,002605	56,719	1	2649800	2649800
169	yes	yes		2	0,004681	77,744	1	6094100	6094100
170	yes	yes	2;3		0,000116	115,57	2	32382000	32382000
78	yes	yes		2	0,002182	83,182	1	905940	905940
370	yes	yes		2	0,01708	50,966	1	569490	569490
261	yes	yes		2	0,004023	72,152	1	1306100	1306100
90	yes	yes	2;3		0,002668	54,049	2	1418900	1418900
490	yes	yes		2	9,93E-10	159,69	1	1537300	1537300
63	yes	yes		2	0,005092	66,674	1	1227300	1227300
187	yes	yes		2	0,014027	71,501	1	10786000	10786000
178	yes	yes		2	0,002616	93,178	1	1932700	1932700
196	yes	yes		3	0,010512	47,039	1	0	0
83	yes	yes		3	0,026686	34,768	1	1145500	1145500
276	yes	yes		2	3,94E-05	113,65	1	21635000	21635000
583	yes	no		2	0,000157	99,991	1	1132200	1132200
154	yes	yes		2	0,028445	60,478	1	2597100	2597100
60	yes	yes	2;3		2,49E-05	95,197	2	26894000	26894000
267	yes	yes	2;3		8,73E-18	205,15	2	84864000	84864000
274	yes	yes		4	0,016937	33,001	1	778810	778810

116	yes	yes		3	0,000519	93,178	1	2003000	2003000
98	yes	yes		2	4,34E-09	195,83	1	18755000	18755000
323	yes	yes		2	0,015607	82,305	1	49791000	49791000
497	yes	yes		4	0,000487	66,365	1	1804100	1804100
508	yes	yes		2	0,002576	68,751	1	627060	627060
61	yes	yes		2	0,000936	88,78	1	2055300	2055300
29	yes	yes		2	0,015081	63,076	1	1082800	1082800
68	yes	yes		2	7,96E-10	161,24	1	7754200	7754200
57	yes	yes		3	1,35E-05	90,397	1	0	0
257	no	no		3	0,030834	32,999	1	885170	885170
83	yes	yes		4	0,022824	33,893	1	1475000	1475000
84	yes	yes	2;3		3,22E-18	209,23	2	18324000	18324000
89	yes	yes		2	7,46E-08	142,57	1	1872700	1872700
103	yes	yes		3	0,003114	55,437	1	928560	928560
212	yes	yes		2	0,011238	60,657	1	849660	849660
437	yes	yes		2	0,030198	63,816	1	4242900	4242900
396	yes	yes		2	0,005492	55,094	1	0	0
159	yes	yes	2;3		3,70E-10	182,23	2	35893000	35893000
223	yes	yes		2	1,23E-07	143,94	1	716140	716140
88	yes	yes		4	0,035784	29,534	1	471210	471210
11	yes	yes		2	0,004382	95,815	1	7920800	7920800
250	yes	yes		3	0,017973	32,484	1	697410	697410
373	yes	yes		3	0,000133	81,676	1	0	0
570	yes	yes	3;4		0,000176	77,13	2	28087000	28087000
98	yes	yes		2	0,032603	58,167	1	447440	447440
146	yes	yes		4	0,023748	24,918	1	1411800	1411800
38	yes	yes		3	0,001123	86,882	1	17316000	17316000
220	yes	yes		3	0,012008	52,009	1	648120	648120
85	yes	yes		3	0,006428	80,165	1	1466200	1466200
67	yes	yes		2	0,031789	58,782	1	298690	298690
113	yes	yes		2	0,027165	56,916	1	813810	813810
71	yes	yes	2;3		0,000745	106,67	2	9732500	9732500
48	yes	yes		3	0,032439	31,881	1	1058400	1058400
324	yes	yes		2	0,025421	50,786	1	1429800	1429800
317	yes	yes		2	0,031241	43,958	1	706440	706440
60	yes	yes	3;4		1,25E-10	153,68	2	12396000	12396000
73	yes	yes	2;3		0,002209	94,363	2	11432000	11432000
196	yes	yes	3;4		4,16E-08	119,37	2	6086100	6086100
264	yes	yes		3	9,93E-05	86,222	1	0	0
188	yes	yes	2;3;4		7,51E-05	105,66	3	78450000	78450000
143	yes	yes	2;3		8,65E-08	139,66	2	8563100	8563100
162	yes	yes		3	0,00043	74,428	1	615590	615590
106	yes	yes		2	0,002608	84,31	1	1703600	1703600
77	yes	yes		2	8,46E-05	115,57	1	592640	592640
938	yes	no		2	0,037608	45,368	1	0	0
152	yes	yes		2	3,60E-08	173,19	1	15650000	15650000
153	yes	yes	2;3		0,000993	83,53	2	4000400	4000400
27	yes	yes		2	6,12E-07	124,04	1	0	0
137	yes	yes		3	0,016645	46,129	1	539740	539740
884	yes	yes		3	0,016568	42,243	1	1255000	1255000

545	yes	yes		2	9,72E-07	182,39	1	9311600	9311600
124	yes	yes	2;3		3,43E-10	164,8	2	2,05E+08	2,05E+08
286	yes	yes		3	0,007633	57,785	1	753100	753100
27	yes	yes		2	0,000246	137,89	1	952140	952140
314	yes	yes		2	0,000692	90,913	1	2296600	2296600
191	yes	yes		2	0,001285	126,07	1	80836000	80836000
371	yes	yes		2	0,012099	55,011	1	946980	946980
152	yes	yes		5	0,036669	12,792	1	1695300	1695300
247	yes	yes		2	0,027961	56,258	1	379650	379650
73	yes	yes		2	0,024453	66,056	1	1115500	1115500
189	yes	yes		2	0,035708	50,791	1	598990	598990
551	yes	yes		2	0,004816	85,355	1	21434000	21434000
370	yes	no	2;3		0,019042	63,565	2	1688000	1688000
523	yes	yes		2	2,40E-13	175,27	1	0	0
14	yes	yes		2	0,002118	74,649	1	772700	772700
243	yes	yes		2	5,73E-07	136,39	1	963510	963510
13	yes	yes		2	0,024879	58,433	1	1312100	1312100
401	yes	yes		2	0,014666	69,812	1	673550	673550
392	yes	yes		2	3,04E-08	129,2	1	0	0
350	yes	yes		2	0,009117	58,98	1	536460	536460
52	yes	yes		3	0,002575	86,214	1	2028300	2028300
196	yes	yes		3	4,16E-08	124,84	1	3041200	3041200
375	yes	yes		3	6,28E-05	82,859	1	3099600	3099600
179	yes	yes		2	0,031732	63,565	1	823650	823650
81	yes	yes		2	0,000249	106,26	1	1670500	1670500
84	yes	yes		2	1,07E-06	139,58	1	1167500	1167500
153	yes	yes	2;3		7,91E-05	108,23	2	5337700	5337700
117	yes	yes		2	4,26E-06	145,14	1	1852400	1852400
118	yes	yes		2	0,026931	37,613	1	0	0
63	yes	yes		2	0,000173	95,428	1	223710	223710
238	yes	yes		2	0,000348	80,142	1	723160	723160
247	yes	yes		3	5,54E-06	98,21	1	1107500	1107500
153	yes	yes		2	2,30E-06	136,27	1	0	0
207	yes	yes		3	0,00329	83,54	1	1182600	1182600
1473	yes	yes		2	0,017636	47,64	1	1598600	1598600
376	yes	yes		2	0,005777	70,889	1	1317000	1317000
380	yes	yes		3	0,022484	73,877	1	1009400	1009400
60	yes	yes		2	0,007	80,737	1	312440	312440
266	yes	yes		4	0,028136	32,439	1	1234400	1234400
128	yes	yes		2	8,29E-17	217,88	1	17289000	17289000
355	yes	no		2	4,98E-06	142,83	1	3834400	3834400
431	yes	yes		3	0,017998	40,676	1	485430	485430
181	yes	yes	3;4		0,000579	86,262	2	23207000	23207000
464	yes	yes		2	1,84E-06	132,31	1	994420	994420
199	yes	yes		2	0,013076	57,414	1	613790	613790
440	yes	yes		2	0,000125	107,09	1	0	0
119	yes	yes		2	0,020129	73,26	1	830860	830860
120	yes	yes		2	0,011819	69,628	1	1043900	1043900
197	no	no		2	0,001663	83,53	1	2677400	2677400
199	no	no		3	0,001398	94,122	1	1550200	1550200

49	yes	yes		2	0,031291	48,513	1	58652000	58652000
298	yes	yes		2	0,000137	78,419	1	0	0
434	yes	yes	2;3		2,21E-10	148,01	2	0	0
439	yes	yes	2;3		5,38E-10	125,04	2	0	0
148	yes	yes		2	0,000339	98,156	1	487940	487940
74	yes	yes		2	0,026418	57,347	1	998890	998890
180	yes	yes		3	0,007237	55,011	1	2424800	2424800
76	yes	no		2	0,001876	67,646	1	0	0
521	yes	yes	2;3		5,05E-11	204,32	2	84692000	84692000
523	yes	yes	3;4		2,49E-05	129,76	2	14192000	14192000
310	yes	yes		3	0,008309	40,208	1	0	0
873	yes	yes		2	0,012029	59,884	1	259610	259610
41	yes	yes		2	0,000282	95,094	1	285910	285910
355	yes	yes		2	8,46E-05	115,57	1	493450	493450
186	yes	yes		3	0,030005	32,254	1	391430	391430
344	yes	yes		2	0,03586	47,706	1	551950	551950
307	yes	yes		3	0,03718	41,996	1	1571500	1571500
1255	yes	yes		3	0,016982	36,504	1	734220	734220
307	yes	yes		3	3,98E-05	107,53	1	1079900	1079900
11	yes	yes		2	0,000355	133,42	1	1,89E+08	1,89E+08
164	yes	yes		3	4,76E-20	181,92	1	0	0
51	yes	yes		2	1,75E-05	110,22	1	0	0
150	yes	yes		2	3,05E-07	139,49	1	916020	916020
49	yes	yes		2	8,78E-06	145,09	1	11901000	11901000
333	yes	yes		2	9,16E-08	168,83	1	1445800	1445800
334	yes	yes	2;3		0,000175	101,71	2	7618300	7618300
246	yes	yes		3	0,00187	67,646	1	893380	893380
38	yes	yes		2	1,27E-13	192,4	1	850560	850560
263	yes	yes		4	0,037969	1,3129	1	24017	24017
87	yes	yes		2	0,001262	66,906	1	578090	578090
325	yes	yes		2	0,001609	72,705	1	0	0
41	yes	yes		2	0,001149	80,411	1	3264200	3264200
1430	yes	no		2	0,002187	101,65	1	447660	447660
90	yes	yes		2	0,003378	84,605	1	6974100	6974100
210	yes	yes		2	2,01E-06	135,02	1	1417700	1417700
264	yes	yes	2;3		1,11E-13	180,93	2	0	0
325	yes	yes		2	0,002059	71,98	1	797190	797190
909	yes	no		2	1,49E-06	155,26	1	0	0
72	yes	yes		2	0,003252	84,31	1	1385100	1385100
285	yes	yes	3;4		0,003743	48,288	2	1852100	1852100
188	yes	yes		2	0,003613	74,611	1	12106000	12106000
1138	yes	yes		3	0,035345	15,401	1	186280	186280
19	yes	yes		2	0,000398	73,918	1	0	0
80	yes	yes		3	0,000483	72,676	1	3405100	3405100
105	yes	yes		2	0,001906	66,636	1	1953800	1953800
421	yes	yes		2	0,006439	69,672	1	2229400	2229400
119	yes	yes		2	0,037654	49,418	1	1136600	1136600
242	yes	yes		2	0,001649	119,75	1	7897000	7897000
102	yes	yes		2	3,70E-10	136,38	1	0	0
176	yes	yes		2	0,002787	74,987	1	1422400	1422400

229	yes	yes		2	0,002119	71,279	1	1060100	1060100
128	yes	yes		4	0,010364	42,257	1	9880900	9880900
88	yes	yes		2	3,60E-06	148,62	1	76215000	76215000
224	yes	yes		2	1,42E-20	259,18	1	1,55E+08	1,55E+08
225	yes	yes	2;3		4,34E-22	247,29	2	23485000	23485000
489	yes	yes		2	0,002381	67,252	1	784210	784210
32	yes	yes		2	0,003558	89,827	1	840860	840860
235	yes	yes		2	4,09E-08	142,54	1	8821300	8821300
140	yes	yes		2	0,009126	59,265	1	0	0
38	yes	yes		2	8,42E-11	196,15	1	9797300	9797300
145	yes	yes		2	1,27E-17	211,26	1	1768700	1768700
152	yes	yes		2	0,028837	42,185	1	682750	682750
331	yes	no	2;3		0,010491	62,287	2	852770	852770
132	yes	yes		2	0,000411	99,752	1	705260	705260
107	yes	yes		2	0,004143	63,46	1	280670	280670
13	yes	yes		2	0,01548	47,606	1	0	0
379	yes	yes		2	0,023252	54,784	1	895480	895480
245	yes	yes		2	0,023859	59,153	1	1629800	1629800
386	yes	yes	2;3		1,26E-11	142,97	2	7782200	7782200
394	yes	yes		3	0,036775	24,776	1	166860	166860
367	yes	yes		2	4,35E-10	147,49	1	1573300	1573300
149	yes	yes	2;3		0,001965	97,734	2	2302000	2302000
201	yes	yes		4	0,023791	29,937	1	858680	858680
17	yes	yes		2	0,021111	71,296	1	934030	934030
143	yes	yes		2	2,01E-21	217,79	1	92033000	92033000
485	yes	yes		2	0,008465	61,265	1	754070	754070
17	yes	yes		2	1,24E-09	157,74	1	1361900	1361900
398	yes	yes		2	0,000566	92,866	1	691100	691100
105	yes	yes		2	9,66E-06	140,63	2	2215700	2215700
11	yes	yes		2	0,034649	48,602	1	2623300	2623300
318	yes	yes		2	2,36E-06	110,38	1	910280	910280
229	yes	yes		2	0,001054	99,568	1	22466000	22466000
240	yes	yes	2;3		1,22E-05	102,43	2	36045000	36045000
66	yes	yes	2;3		0,000555	79,92	2	1808300	1808300
421	yes	yes		2	0,000146	101,43	1	814710	814710
252	yes	yes		2	0,001012	101,97	1	5665500	5665500
59	yes	yes		3	0,009572	57,532	1	0	0
486	yes	yes		3	0,015468	41,996	1	0	0
342	yes	yes		4	0,002845	52,769	1	1003100	1003100
207	yes	yes	3;4		0,002842	69,216	2	3976000	3976000
90	yes	yes		3	0,03518	27,481	1	142390	142390
184	yes	yes		2	0,000844	111,5	1	1936600	1936600
215	yes	yes		2	1,08E-11	191,48	1	0	0
880	yes	yes		2	0,00224	73,415	1	340860	340860
123	yes	yes		2	0,001081	98,04	1	747490	747490
148	yes	yes		2	0,019163	62,466	1	636540	636540
233	yes	yes		2	0,002239	99,788	1	988300	988300
245	yes	yes	3;4		0,00234	62,203	2	7578500	7578500
492	no	no		2	0,002287	98,044	1	3039200	3039200
80	yes	yes		2	0,001073	81,448	1	344230	344230

336	yes	yes		3	0,008662	46,797	1	0	0
46	yes	yes		2	1,90E-05	136,24	1	913120	913120
190	yes	yes		2	0,002048	106,68	1	15752000	15752000
63	yes	no		2	0,001503	122,28	1	4633000	4633000
151	yes	yes		3	0,03201	16,624	1	750860	750860
126	yes	yes		2	6,10E-10	175,88	1	6045900	6045900
129	yes	yes		2	1,58E-06	124,78	1	736930	736930
45	yes	yes		2	1,25E-05	97,271	1	573240	573240
178	yes	yes		3	0,036363	27,967	1	1240900	1240900
131	yes	yes		3	0,00311	73,233	1	0	0
288	yes	yes		2	0,007606	66,989	1	544110	544110
118	yes	yes		2	1,24E-13	185,59	1	6097400	6097400
218	yes	yes		3	0,001149	81,565	1	3589500	3589500
413	yes	yes		2	2,28E-08	143,93	1	560310	560310
518	yes	yes		3	0,000182	90,689	1	1117400	1117400
146	yes	yes		4	3,07E-05	82,362	1	0	0
353	yes	yes		2	1,70E-12	167,35	1	0	0
165	yes	yes		2	0,009242	108,09	1	1604300	1604300
599	yes	yes		2	0,005344	99,136	1	1050900	1050900
44	yes	yes		2	0,007017	77,533	1	1792500	1792500
206	yes	yes		2	0,0004	159,28	1	2414100	2414100
49	yes	yes	2;3		0,000105	82,267	2	718310	718310
196	yes	yes		2	0,000158	101,38	1	0	0
490	yes	yes		2	0,02398	59,067	1	816130	816130
494	yes	yes		4	0,024549	35,077	1	5763100	5763100
530	yes	yes		2	0,006163	70,942	1	1958400	1958400
232	yes	yes		3	0,026584	90,15	1	8839100	8839100
236	yes	yes		3	0,005962	42,661	1	0	0
214	yes	yes		3	3,04E-05	83,871	1	573640	573640
221	yes	yes		3	0,032979	25,945	1	1298200	1298200
210	yes	yes		2	0,00198	90,149	1	500090	500090
210	yes	yes		2	0,007156	41,115	1	0	0
304	yes	yes		2	0,000477	89,624	1	6259900	6259900
150	yes	yes		2	6,50E-06	142,12	1	2133700	2133700
206	yes	yes		2	1,03E-05	114,96	1	498260	498260
200	yes	yes	1;2		0,029299	55,314	2	10934000	10934000
501	yes	no	3;4		0,000682	66,826	2	4887800	4887800
226	yes	yes		2	1,90E-05	136,24	1	3919400	3919400
209	yes	yes		2	7,37E-29	286,34	1	69303000	69303000
85	yes	yes	2;3		1,13E-09	150,39	2	0	0
343	yes	yes		2	9,51E-05	122,55	1	1276200	1276200
210	yes	yes	2;3		0,000926	65,189	2	0	0
332	yes	yes		2	0,001716	75,998	1	383480	383480
389	yes	yes		2	3,48E-05	136,96	1	662090	662090
42	yes	yes		2	0,009315	83,948	1	1846400	1846400
20	yes	yes		2	0,00398	60,301	1	0	0
330	yes	yes		2	0,009491	101,64	1	3250000	3250000
107	yes	yes	2;3		0,023092	40,622	2	825000	825000
274	yes	yes		2	0,003114	77,597	1	1037200	1037200
118	yes	yes		2	0,020514	55,261	1	1044300	1044300

212	yes	yes		2	0,008621	64,104	1	3727000	3727000
277	yes	yes		2	5,88E-14	214,81	1	7162700	7162700
262	yes	yes	2;3		5,15E-30	268,93	3	803120	803120
413	yes	yes		2	0,002967	59,585	1	0	0
60	yes	yes		2	0,029074	52,725	1	11951000	11951000
11	yes	yes		2	0,000238	138,22	1	2606600	2606600
205	yes	yes		2	0,00467	74,841	1	0	0
115	yes	yes		2	0,012067	76,679	1	560270	560270
14	yes	yes		3	0,001999	67,252	1	483510	483510
486	yes	yes		3	0,037335	37,327	1	206450	206450
172	yes	yes		2	6,66E-08	139,02	1	2662200	2662200
320	yes	yes		2	0,024893	51,612	1	251800	251800
492	yes	yes		3	0,001061	81,017	1	1162700	1162700
246	yes	yes	2;3		6,77E-06	127,02	2	2480400	2480400
186	yes	yes		2	0,026596	61,691	1	306190	306190
73	yes	yes		2	1,19E-09	158,17	1	1613500	1613500
21	yes	yes		3	0,007444	66,893	1	0	0
288	yes	yes		3	4,33E-05	77,543	1	0	0
105	yes	yes		2	0,001484	84,892	1	2857800	2857800
448	yes	yes		2	0,000553	89,624	1	491290	491290
67	yes	yes		3	0,018423	34,395	1	1062000	1062000
171	yes	yes		2	0,000237	99,732	1	1048000	1048000
97	yes	yes	2;3		2,64E-26	237,39	2	62729000	62729000
60	yes	yes		4	0,021007	37,366	1	397070	397070
68	yes	no		2	4,83E-05	107,15	1	523680	523680
149	yes	yes		3	0,000548	90,385	1	1666400	1666400
374	yes	yes	2;3		5,02E-05	85,166	2	0	0
225	yes	yes	2;3		4,86E-08	131,48	2	1034200	1034200
414	yes	yes		2	0,000158	107,97	1	1224700	1224700
392	yes	yes		2	0,000586	72,433	1	0	0
149	yes	yes		2	0,014073	71,379	1	1170100	1170100
44	yes	no		3	0,027454	50,353	1	1000600	1000600
262	yes	yes		2	3,06E-10	167,29	1	5781300	5781300
219	yes	yes		3	0,007245	51,643	1	570220	570220
638	yes	yes		4	0,03109	22,051	1	2139500	2139500
529	yes	yes		3	0,012303	38,878	1	1211300	1211300
389	yes	yes		3	0,00297	56,121	1	1486600	1486600
157	yes	yes	2;3		0,011547	59,067	2	2751500	2751500
531	yes	yes	2;3		9,14E-06	97,49	2	685120	685120
300	yes	yes		2	1,36E-06	160,52	1	3086500	3086500
304	yes	yes		2	0,000544	84,653	1	436580	436580
255	yes	yes		2	6,05E-07	124,25	1	0	0
495	yes	yes		2	0,000735	117,7	1	956390	956390
215	yes	yes		2	0,000261	105,13	1	693320	693320
86	yes	yes	3;4		0,000943	104,17	2	4155200	4155200
1368	yes	yes		3	0,000438	77,24	1	0	0
378	yes	yes		2	3,62E-07	123,62	1	0	0
176	yes	yes		3	3,98E-06	115,04	1	785730	785730
266	yes	yes		2	0,001542	121,6	1	917860	917860
459	yes	yes		2	1,08E-07	146,96	1	2561700	2561700

122	yes	yes	2;3		2,98E-08	152,16	2	1,56E+08	1,56E+08
119	yes	yes		3	0,021035	35,091	1	783420	783420
456	yes	no		3	0,012551	45,764	1	991960	991960
179	yes	yes	3;4		3,39E-13	167,35	2	21337000	21337000
249	yes	yes	2;3		1,94E-08	119,66	2	0	0
176	yes	yes	2;3		4,68E-06	114,55	2	6112200	6112200
54	yes	yes		2	2,83E-06	120,54	1	2539200	2539200
90	yes	yes		2	0,000367	79,293	1	1081900	1081900
32	yes	yes		2	0,000823	87,719	1	619180	619180
159	yes	yes		2	0,03702	44,564	1	416400	416400
595	yes	yes		2	0,014149	49,708	1	486060	486060
242	yes	yes		2	5,56E-19	237,59	1	21738000	21738000
550	yes	yes		2	0,002908	82,645	1	0	0
367	yes	yes		2	0,001872	82,75	1	0	0
391	yes	yes		2	0,007312	71,501	1	0	0
136	yes	yes		3	0,037096	32,32	1	244790	244790
1508	yes	yes		2	1,44E-08	152,68	1	856650	856650
198	yes	yes		2	0,014027	71,501	1	1426100	1426100
181	yes	yes		3	0,003576	52,666	1	0	0
32	yes	yes		2	0,002868	67,299	1	501960	501960
172	yes	yes		2	1,07E-23	278,65	1	2500700	2500700
210	yes	yes		3	0,000825	65,416	1	874690	874690
231	yes	yes		3	0,000641	67,153	1	993850	993850
903	yes	yes		2	0,031506	53,756	1	327450	327450
196	yes	yes		2	0,003194	71,888	1	538540	538540
415	yes	yes		2	0,000924	132,32	1	94544000	94544000
1082	yes	no		2	0,001909	76,759	1	553650	553650
223	yes	yes		2	0,002	108,43	1	19989000	19989000
248	yes	yes		2	3,99E-15	225,15	1	85361000	85361000
131	yes	yes		2	1,26E-07	133,75	1	0	0
178	yes	yes	2;3		4,05E-08	179,83	2	12108000	12108000
182	yes	yes	3;4		5,18E-05	103,6	2	15101000	15101000
194	yes	yes	3;4		0,019563	36,219	2	2257900	2257900
98	yes	yes		3	0,020017	28,782	1	744390	744390
506	yes	yes		2	2,79E-06	120,92	1	1594400	1594400
136	yes	yes		3	0,026395	38,16	1	666320	666320
310	yes	yes	2;3		1,07E-08	125,04	2	0	0
70	yes	yes		2	0,005531	73,841	1	977220	977220
469	yes	no		2	0,000216	101,89	1	747090	747090
132	yes	yes		2	0,00016	94,339	1	824660	824660
89	yes	yes		3	0,001011	64,705	1	0	0
246	yes	yes		2	1,87E-08	182,25	1	1499900	1499900
329	yes	yes		2	0,001295	68,413	1	0	0
156	no	no		2	9,44E-05	104,22	1	0	0
28	yes	yes		2	1,24E-09	153,72	1	982890	982890
249	yes	yes		2	9,34E-05	83,666	1	0	0
155	yes	yes		2	2,85E-05	131,79	1	42724000	42724000
163	yes	yes	2;3		2,88E-25	218,14	2	15884000	15884000
182	yes	yes		2	0,00114	94,692	1	1,14E+08	1,14E+08
215	yes	yes		2	0,015875	64,73	1	0	0

625	yes	no		2	0,005036	107,69	1	1,25E+08	1,25E+08
227	yes	yes		3	0,035514	22,826	1	1937100	1937100
59	yes	yes		2	8,50E-05	103,88	1	479210	479210
152	yes	yes		2	0,000446	92,781	1	1673000	1673000
761	yes	yes		2	0,026074	57,59	1	451500	451500
52	yes	yes		2	0,010232	81,525	1	729250	729250
90	yes	yes		2	0,000337	80,596	1	569450	569450
199	yes	yes		4	0,034871	19,912	1	760780	760780
345	yes	yes	2;3		0,005787	83,877	2	709810	709810
29	yes	yes		2	4,77E-05	93,226	1	0	0
130	yes	yes		2	0,031732	63,565	1	277790	277790
44	yes	yes		2	0,026257	40,377	1	0	0
167	yes	yes		2	0,004876	70,399	1	0	0
52	yes	yes		2	8,29E-07	130,47	1	0	0
84	yes	yes	2;3		1,77E-17	192,72	4	0	0
310	yes	yes		2	0,030313	47,574	1	0	0
442	yes	yes		2	0,0246	58,63	1	256300	256300
117	yes	yes		2	5,32E-05	132,56	1	823050	823050
192	yes	yes		2	0,01823	77,058	1	2000500	2000500
140	yes	yes		3	0,003875	45,942	1	459750	459750
75	yes	yes		2	0,006327	79,986	1	8262700	8262700
76	yes	yes	2;3		3,42E-06	167,12	2	26094000	26094000
81	yes	yes		2	4,96E-06	122,52	1	939220	939220
147	yes	yes		3	0,000444	131,42	1	1796200	1796200
174	yes	yes		2	0,000874	109,79	1	1188200	1188200
1396	yes	yes		2	0,029731	64,776	1	716830	716830
62	yes	yes		2	0,018372	76,774	1	1779200	1779200
64	yes	yes		2	0,001952	128,86	1	688020	688020
76	yes	yes		2	0,000716	88,803	1	1042700	1042700
273	yes	yes		2	0,007113	77,192	1	34903000	34903000
274	yes	yes		2	6,70E-05	150,81	1	18753000	18753000
142	yes	yes		3	0,031711	30,569	1	225980	225980
24	yes	yes		2	0,01039	68,657	1	835440	835440
502	yes	yes	2;3		2,12E-08	132,67	3	386030	386030
140	yes	yes		2	6,81E-07	164,13	1	14495000	14495000
37	yes	yes		2	0,000126	117,2	1	649780	649780
386	yes	yes		2	1,93E-05	164,04	1	3863100	3863100
1154	yes	yes		3	0,011078	43,03	1	1609800	1609800
71	yes	yes		3	0,000706	102,63	1	556960	556960
108	no	no		2	5,65E-05	118,61	1	58389000	58389000
110	no	no	2;3		6,96E-08	146,84	2	33669000	33669000
40	yes	yes		2	0,000149	96,096	1	1761300	1761300
212	yes	yes		4	0,006117	44,312	1	1747200	1747200
134	yes	yes		2	0,000282	73,76	1	958310	958310
64	yes	yes		2	0,001045	83,856	1	395900	395900
249	yes	yes		2	0,000228	80,596	1	1142000	1142000
310	yes	yes		2	0,003051	68,355	1	0	0
140	yes	yes		3	0,003651	47,806	1	0	0
287	yes	yes		3	0,004254	61,649	1	1156200	1156200
122	yes	yes	2;3		0,008441	82,831	2	1303400	1303400

274	yes	no		3	0,000703	84,169	1	2125900	2125900
113	yes	yes		2	0,020784	71,949	1	22941000	22941000
119	yes	yes	2;3		4,68E-08	162,48	2	18807000	18807000
274	yes	yes		2	0,010525	92,47	1	2520700	2520700
279	yes	yes	2;3		6,43E-05	132,56	2	5292400	5292400
280	yes	yes	3;4		5,44E-05	103,44	2	35354000	35354000
175	yes	yes		2	0,008238	86,794	1	821400	821400
18	yes	yes		3	0,008977	46,89	1	475640	475640
759	yes	yes		2	5,29E-07	139,49	1	685470	685470
234	yes	yes		2	0,023094	57,149	1	1,74E+08	1,74E+08
351	yes	yes		2	0,000591	123,79	1	1100700	1100700
147	yes	yes		3	0,0285	46,249	1	301310	301310
454	yes	yes		2	3,60E-06	121,82	1	1548600	1548600
140	yes	yes		2	0,010871	66,19	1	1462600	1462600
96	yes	yes	2;3		9,19E-06	134,18	2	6613300	6613300
44	yes	yes		2	0,030077	64,567	1	1358000	1358000
200	yes	yes		2	0,025024	55,721	1	9806900	9806900
34	yes	yes		2	0,021013	61,161	1	217570	217570
128	yes	yes		2	8,77E-11	174,21	1	0	0
53	yes	yes		2	8,64E-07	129,05	1	3381500	3381500
163	yes	yes		2	0,006444	69,65	1	830440	830440
78	yes	yes		2	0,000401	87,083	1	0	0
85	yes	yes		3	0,002383	57,366	1	0	0
233	yes	yes		2	2,09E-06	134,68	1	1582400	1582400
308	yes	yes		2	0,000105	106,32	1	427950	427950
212	yes	yes		2	0,026275	50,46	1	872010	872010
65	yes	yes		2	0,004689	85,807	1	964930	964930
494	yes	yes		2	9,59E-06	143	1	1313600	1313600

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (
		0	40	0	0	0	0	
		1	242	1	1	1	1	190
		2	121	2	2	2	2	
		3	34	3	3	3	3	
		4	105	4	4	4	4	
		5	36	5	5	5	5	
		6	173	6	6	6	6	
		7	220	7	7	7	7	178
		8	69	8	8	8	8	
		9	263	9	9	9	9	
		10	138	10	10	10	10	
		11	58	11	11	11	11	
		12	157	12	12	12	12	
	+	13	2	13	13	13	13	
		14	89	14	14	14	14	
		15	126	15	15	15	15	
		16	183	16	16	16	16	
		17	117	17	17	17	17	
		18	118	18	18	18;19	19	
		19	194	19	19	20	20	
		20	78	20	20	21	21	87
		21	241	21	21	22	22	
		22	18	22	22	23	23	
		23	108	23	23	24	24	
		24	56	24	24	25	25	
		25	214	25	25	26;27	26	
		26	73	26	26;27	28;29	28	
		27	30	27	28	30	30	
		28	49	28	29	31	31	
		29	19	29	30;31;32	32;33;34	33	
		30	155	30	33	35	35	
		31	11	31	34;35	36;37	37	
		32	173	32	36	38	38	
		33	110	33	37	39	39	
		34	94	34	38	40	40	
		35	69	35	39	41	41	
		36	21	36	40	42	42	
		37	14	37	41	43	43	
		38	17	38	42	44	44	
		39	45	39	43	45	45	
		40	53	40	44	46	46	45
		41	20	41	45	47	47	
		42	29	42	46;47;48	48;49;50	48	
		43	29	43	49;50	51;52	51	
		44	185	44	51	53	53	
	+	45	1	45	52	54	54	
	+	46	3	46	53	55	55	
		47	37	47	54	56	56	
		48	18	48	55	57	57	

	49	115	49	56	58	58		
	50	167	50	57	59	59		
	51	166	51	58	60	60		
	52	126	52	59	61	61		
	53	117	53	60	62	62		
	54	10	54	61	63	63		
	55	120	55	62	64	64		
	56	66	56	63	65	65		64
	57	75	57	64	66	66	80;81	
	58	207	58	65	67	67		164
	59	131	59	66	68	68		
	60	63	60	67	69	69		
	61	63	61	68	70	70		
	62	37	62	69	71	71		
	63	40	63	70	72	72		
	64	40	64	71;72	73;74	74		
	65	200	65	73	75	75		
	66	21	66	74	76	76		
	67	243	67	75	77	77		
	68	13	68	76	78	78		
	69	69	69	77	79	79		
	70	69	70	78	80	80		
	71	38	71	79	81	81		
	72	77	72	80	82	82		
	73	149	73	81	83	83		
	74	157	74	82	84	84		140
	75	145	75	83	85;86	85		
	76	180	76	84	87;88	87		
	77	182	77	85	89	89		
	78	233	78	86	90;91	91		
	79	178	79	87	92	92		
	80	146	80	88	93	93		
	81	114	81	89	94	94		
+	82	5	82	90	95	95		
	83	102	83	91	96	96		
	84	18	84	92	97	97		
	85	77	85	93	98	98		
	86	148	86	94	99;100	99		
	87	97	87	95	101	101		
	88	230	88	96	102	102		
	89	41	89	97	103;104	103		
	90	63	90	98	105;106	106		
	91	233	91	99	107	107		
	92	65	92	100	108	108		
	93	29	93	101	109	109		26
	94	143	94	102	110	110		
	95	170	95	103	111;112;11	112		
	96	62	96	104	114	114		
	97	214	97	105;106	115;116	116		
	98	38	98	107	117	117		

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	103	108	104	114	124	124	
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	105	214	106	117	128	128	169
	106	153	107	118	129	129	
	107	16	108	119	130	130	
	108	105	109	120	131	131	
	109	247	110	121;122	132;133	133	
	110	210	111	123	134	134	
	111	111	112	124	135	135	
	112	146	113	125	136	136	
	113	103	114	126	137	137	
	114	96	115	127	138	138	
	115	137	116	128	139	139	
	116	137	117	129	140;141	141	117
	117	74	118	130	142	142	
	118	189	119	131	143	143	
	119	19	120	132	144;145;14	146	
	120	197	121	133;134	148;149	148	
	121	110	122	135	150	150	
	122	211	123	136	151	151	
	123	217	124	137	152	152	
	124	130	125	138	153	153	
	125	40	126	139;140	154;155	154	
	126	29	127	141	156	156	
	127	154	128	142	157	157	
	128	192	129	143	158	158	161
	129	29	130	144	159	159	
	130	75	131	145	160	160	
	131	56	132	146;147	161;162	162	
	132	41	133	148;149	163;164	163	
	133	26	134	150	165	165	
	134	96	135	151	166	166	
	135	218	136	152	167	167	173
+	136	4	137	153	168	168	
	137	92	138	154	169	169	
	138	57	139	155	170	170	
	139	162	140	156	171	171	
	140	206	141	157	172	172	
	141	206	142	158	173	173	
	142	105	143	159	174	174	
	143	110	144	160;161	175;176;17	176	
	144	223	145	162	178	178	182
	145	137	146	163;164	179;180	179	118;119
	146	95	147	165	181	181	
	147	34	148	166	182	182	
	148	75	149	167	183	183	

149	111	150	168	184;185	184	
150	41	151	169	186	186	
151	41	152	170;171	187;188	188	
152	130	153	172	189	189	
153	209	154	173	190;191	191	
154	162	155	174	192	192	
155	95	156	175	193	193	93
156	32	157	176;177	194;195	195	
157	50	158	178;179	196;197	196	
158	69	159	180	198	198	
159	110	160	181	199	199	
160	40	161	182	200	200	
161	189	162	183	201	201	
162	90	163	184	202	202	
163	210	164	185	203	203	166
164	113	165	186;187	204;205	204	
165	214	166	188	206	206	
166	143	167	189	207	207	129
167	97	168	190	208;209	208	
168	78	169	191	210	210	
169	94	170	192	211	211	
170	36	171	193;194	212;213	213	
171	36	172	195	214;215	215	
172	218	173	196	216	216	
173	92	174	197	217	217	
174	122	175	198	218	218	
175	27	176	199	219	219	
176	93	177	200	220	220	
177	29	178	201	221;222	222	
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181	74	182	206	229	229	
182	97	183	207	230	230	
183	239	184	208	231;232	232	
184	173	185	209	233	233	
185	126	186	210	234	234	
186	38	187	211;212	235;236	236	
187	232	188	213	237	237	
188	190	189	214	238	238	
189	97	190	215	239	239	
190	214	191	216	240	240	170
191	77	192	217	241;242	242	
192	16	193	218	243	243	
193	213	194	219	244	244	
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196	75	197	223	248	248	82
197	40	198	224	249	249	
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200	68	201	227	252	252	
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202	69	203	229	254	254	
203	93	204	230	255	255	
204	11	205	231	256	256	
205	39	206	232	257	257	
206	38	207	233	258	258	
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208	110	209	235	260	260	
209	144	210	236	261	261	130
210	137	211	237	262	262	
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212	95	213	239;240	264;265	265	
213	38	214	241	266	266	
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215	171	216	243	268	268	148
216	223	217	244	269	269	
217	53	218	245	270;271	270	46
218	150	219	246	272	272	
219	19	220	247	273	273	13
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221	72	222	249	275	275	77
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223	176	224	251	277	277	
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225	41	226	253;254	279;280;28	281	
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227	92	228	256	283	283	
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229	210	230	258	285	285	
230	122	231	259	286	286	
231	108	232	260	287	287	
232	185	233	261	288	288	
233	247	234	262	289	289	
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238	33	239	268;269	297;298;29	298	
239	95	240	270	300	300	
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	253	170	254	285	317	317		
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	258	91	259	290	322;323;32	322		
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	264	241	265	297	331	331		
	265	11	266	298	332	332	8	
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	268	77	269	301	335	335		
	269	41	270	302	336	336		
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	271	37	272	304	338	338		
	272	146	273	305	339	339		
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	275	96	276	309	343	343		
	276	41	277	310	344	344		
	277	110	278	311	345	345		
	278	217	279	312	346	346		
	279	64	280	313	347	347		
	280	98	281	314	348	348		
	281	112	282	315	349	349	110	
	282	210	283	316	350	350		
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	285	14	286	319	353	353		
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	288	167	289	323	358	358		
	289	241	290	324	359	359	186;187	
	290	41	291	325	360	360		
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	292	41	293	327	362;363	363		
	293	213	294	328	364	364		
	294	190	295	329	365	365		
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	296	136	297	331	367	367		
	297	114	298	332	368	368		
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	313	209	314	349	386	386		
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	317	108	318	354	393	393		
	318	217	319	355	394	394	172	
	319	39	320	356	395	395		
	320	178	321	357	396	396		
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	325	96	326	362	402	402		
	326	186	327	363	403	403		
	327	61	328	364	404	404		
	328	100	329	365	405	405	101	
	329	69	330	366	406	406		
	330	66	331	367	407	407		
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	333	50	334	370	410	410		
	334	256	335	371	411	411		
+	335	4	336	372	412	412		
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	343	262	344	382	422	422	198;199	
	344	220	345	383	423	423	179	
	345	49	346	384	424	424		
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	353	177	354	394	434	434		
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	363	153	364	407	449;450	449	136	
	364	21	365	408	451	451		
	365	12	366	409	452	452		
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	367	144	369	413	461	461		
	368	78	370	414	462;463	463		
	369	56	371	415;416	464;465	464		
	370	28	372	417	466	466		
	371	44	373	418	467	467		
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	374	35	376	422	473;474	473		
	375	35	377	423	475	475		
	376	37	378	424	476	476	35	
	377	222	379	425	477	477		
	378	214	380	426	478	478	171	
	379	69	381	427	479	479		
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	381	102	383	429;430	481;482;48	481		
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	385	106	387	435	490	490		
	386	135	388	436	491	491		
	387	190	389	437	492	492		
	388	50	390	438	493	493		
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	390	66	392	441;442	496;497	496	66;67	
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	392	69	394	444;445	499;500	499		
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	397	68	399	451	507	507		
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	400	168	402	455	511	511		
	401	40	403	456	512	512		
	402	96	404	457	513	513		
	403	187	405	458	514	514		
+	404	6	406	459	515	515		
	405	122	407	460	516	516		
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	407	65	409	462	518	518		
	408	146	410	463	519	519		
	409	186	411	464	520	520		
	410	56	412	465	521	521		
	411	122	413	466	522	522		
	412	121	414	467	523	523		
	413	137	415	468	524	524		
	414	137	416	469	525	525		
	415	189	417	470	526	526		
	416	9	418	471	527	527		
	417	72	419	472	528	528	78	
	418	32	420	473	529	529		
	419	197	421	474;475	530;531	530		
	420	23	422	476	532	532		
	421	110	423	477	533	533		
	422	234	424	478;479	534;535;53	536		
	423	186	425	480	537	537		
	424	146	426	481	538	538	132;133	
	425	50	427	482	539	539		
	426	191	428	483	540	540		
	427	106	429	484	541	541	104	
	428	156	430	485	542	542		
	429	148	431	486	543	543		
	430	150	432	487	544	544		
	431	178	433	488	545	545		
	432	55	434	489	546	546		
	433	173	435	490	547;548	548		
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	435	106	437	492	550	550		
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	437	104	439	494	552	552		
	438	14	440	495	553	553		
	439	227	441	496	554	554		
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	441	209	443	498	556	556	165	
	442	225	444	499;500	557;558	557		
	443	144	445	501	559	559		
	444	11	446	502	560	560		
	445	38	447	503	561	561		
	446	255	448	504	562	562		
	447	124	449	505	563	563		
	448	96	450	506	564	564		

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	450	19	452	508	566	566		
	451	94	453	509	567	567		
	452	132	454	510	568	568		
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	455	169	457	514	573	573		
	456	228	458	515	574	574		
	457	191	459	516;517	575;576;57	576		
	458	19	460	518	579	579		
	459	19	461	519;520	580;581	581		
	460	56	462	521;522	582;583;58	583	53	
+	461	0	463	523	585	585	0	
	462	75	464	524;525	586;587	587		
	463	75	465	526;527	588;589	588		
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	465	38	467	529;530	591;592;59	593		
	466	95	468	531	594	594	94	
	467	230	469	532	595	595		
	468	110	470	533	596	596		
	469	110	471	534;535	597;598	598		
	470	77	472	536;537	599;600	600		
	471	231	473	538	601	601		
	472	253	474	539	602	602	195	
	473	228	475	540	603	603		
	474	131	476	541	604;605	604		
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	477	173	479	545	609	609	151	
	478	241	480	546	610	610	188;189	
	479	240	481	547	611	611		
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	481	92	483	549	614	614		
	482	155	484	550	615	615	137	
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	485	64	487	554	620	620		
	486	77	488	555	621	621		
	487	218	489	556	622	622	174	
	488	209	490	557	623	623		
	489	184	491	558	624	624		
	490	127	492	559	625	625		
	491	185	493	560	626	626		
	492	91	494	561	627	627		
	493	137	495	562	628	628		
	494	69	496	563	629	629		
	495	41	497	564	630	630		
	496	63	498	565	631	631	63	
	497	123	499	566	632	632		
	498	217	500	567	633	633		

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502	60	504	572	638	638		
503	21	505	573	639	639		
504	66	506	574	640	640		
505	249	507	575	641	641		
506	155	508	576	642	642		138
507	148	509	577	643	643		
508	186	510	578;579	644;645	645		
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521	238	523	595	664	664		
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523	77	525	597;598	666;667	667		
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527	23	529	602	671	671		
528	41	530	603;604	672;673	672		
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535	171	537	613	692	692		149
536	102	538	614	693	693		
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538	38	540	617	696	696		
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544	119	547	626	705	705		
545	261	548	627	706	706		
546	57	549	628	707	707		
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		552	66	555	635;636	714;715	714			
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		556	57	559	641	720	720			
		557	102	560	642	721	721			
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		559	232	562	644	723	723			
		560	40	563	645	724	724			
		561	91	564	646	725	725			
		562	53	565	647	726	726			
		563	65	566	648	727	727			
		564	97	567	649	728;729;73	728			
		565	153	568	650	731	731			
		566	56	569	651	732	732			
		567	55	570	652	733	733			
		568	131	571	653	734	734			
		569	37	572	654	735	735			
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		571	167	574	656	737	737			
		572	247	575	657	738;739	738			
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		574	93	577	659	741	741			
		575	246	578	660	742	742			
		576	96	579	661	743	743			
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		584	190	587	670	753	753			
		585	185	588	671	754	754			
		586	29	589	672	755	755			
		587	29	590	673	756	756			
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	604	152	607	692	775	775	
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	614	232	617	705	790	790	
	615	252	618	706	791	791	
	616	244	619	707	792	792	192
	617	226	620	708	793	793	
	618	116	621	709	794	794	
	619	259	622	710;711	795;796	796	
	620	123	623	712	797	797	
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	622	145	625	714	799	799	
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	624	218	627	716;717	801;802;80	803	
	625	110	628	718	804	804	107
	626	110	629	719	805	805	107
	627	48	630	720	806	806	
	628	172	631	721	807	807	150
	629	131	632	722	808	808	
	630	19	633	723	809	809	
	631	41	634	724	810	810	
	632	211	635	725	811	811	
	633	183	636	726	812	812	
	634	19	637	727;728;72	813;814;81	818	
	635	19	638	732	822	822	
	636	40	639	733	823;824	823	
	637	14	640	734	825	825	9
	638	106	641	735	826	826	
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	640	201	644	738	829	829	
	641	79	645	739	830	830	89
	642	165	646	740	831	831	143;144
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	644	108	648	742	833	833	
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	647	63	651	745	836	836	
	648	25	652	746	837	837	

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	654	123	658	754	847	847	
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	656	24	660	756	849	849	
	657	193	661	757	850	850	
	658	130	662	758;759	851;852	851	116
	659	248	663	760	853	853	
	660	220	664	761	854	854	
	661	165	665	762	855	855	
	662	245	666	763	856	856	
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	664	226	668	765	858	858	
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	666	173	670	768	864	864	
	667	116	671	769	865	865	
	668	37	672	770;771	866;867;86	868	
	669	139	673	772	870	870	
	670	90	674	773	871	871	91
	671	81	675	774	872	872	
	672	140	676	775	873	873	
	673	19	677	776;777;77	874;875;87	877	
	674	67	678	779	879	879	
	675	167	679	780	880	880	
+	676	2	680	781	881	881	
	677	31	681	782	882;883	882	
	678	36	682	783	884	884	
	679	29	683	784	885;886	885	
	680	227	684	785	887	887	
	681	221	685	786	888	888	181
	682	69	686	787	889	889	
	683	202	687	788	890	890	
	684	217	688	789	891	891	
	685	132	689	790	892	892	
	686	157	690	791	893	893	
	687	137	691	792	894	894	
	688	40	692	793	895	895	
	689	40	693	794;795	896;897	897	
	690	151	694	796	898	898	
	691	87	695	797	899	899	
	692	71	696	798	900	900	
	693	221	697	799	901	901	
+	694	0	698	800	902	902	
	695	237	699	801	903	903	
	696	193	700	802	904	904	
	697	48	701	803	905	905	
	698	82	702	804	906	906	

+	699	7	703	805	907	907	
	700	40	704	806	908	908	
	701	226	705	807	909	909	184
	702	89	706	808	910	910	
	703	94	707	809	911	911	
	704	125	708	810	912	912	
	705	225	709	811	913	913	
	706	200	710	812	914	914	
	707	131	711	813	915	915	
	708	96	712	814	916	916	
	709	35	713	815	917	917	
	710	19	714	816;817	918;919	919	
	711	84	715	818	920	920	
	712	166	716	819	921	921	146
	713	77	717	820	922	922	
	714	21	718	821	923	923	
	715	122	719	822	924	924	
	716	62	720	823	925	925	
	717	40	721	824;825	926;927;92	928	38
	718	223	722	826	930	930	
	719	38	723	827	931;932	931	
	720	105	724	828	933	933	
	721	105	725	829	934	934	
	722	210	726	830	935	935	
	723	169	727	831	936	936	
	724	9	728	832	937	937	7
	725	102	729	833	938	938	102
	726	137	730	834	939	939	120
	727	212	731	835	940	940	167
	728	94	732	836	941;942	942	92
	729	31	733	837	943	943	29
	730	27	734	838	944	944	25
	731	57	735	839	945	945	57;58;59
	732	66	736	840	946	946	69;70;71
	733	83	737	841	947	947	90
	734	140	738	842;843	948;949;95	948	122;123;12
	735	223	739	844	955	955	183
	736	220	740	845	956	956	180
	737	128	741	846	957	957	114;115
	738	97	742	847	958	958	97
	739	110	743	848	959	959	
	740	110	744	849	960	960	
	741	137	745	850	961	961	121
	742	15	746	851	962	962	
	743	110	747	852	963	963	
	744	41	748	853;854	964;965	964	
	745	105	749	855;856	966;967	966	103
	746	43	750	857	968	968	
	747	35	751	858	969	969	
	748	164	752	859	970	970	

	749	29	753	860	971	971		
	750	152	754	861	972	972		
	751	210	755	862	973	973		
	752	209	756	863	974	974		
	753	225	757	864	975	975		
	754	49	758	865	976	976		
	755	73	759	866	977	977		
	756	181	760	867	978;979	978		
	757	51	761	868	980	980		
	758	76	762	869	981	981		
	759	29	763	870	982	982		
	760	63	764	871	983	983		
	761	109	765	872	984	984		
	762	105	766	873;874	985;986	985		
+	763	2	767	875	987	987		
	764	218	768	876;877	988;989;9	990		
	765	166	769	878	991	991		
	766	114	770	879	992	992		
	767	146	771	880	993	993		134
	768	50	772	881	994	994		
+	769	5	773	882	995	995		
	770	173	774	883;884	996;997	996		
	771	137	775	885	998	998		
	772	96	776	886	999	999		96
	773	262	777	887	1000	1000		
	774	34	778	888	1001	1001		
	775	96	779	889	1002	1002		
	776	181	780	890	1003	1003		
	777	171	781	891	1004	1004		
	778	58	782	892	1005	1005		
	779	110	783	893	1006	1006		
	780	40	784	894	1007	1007		
	781	40	785	895	1008	1008		
	782	84	786	896	1009	1009		
	783	123	787	897	1010	1010		
	784	36	788	898	1011	1011		32
+	785	2	789	899	1012	1012	2;3	
	786	173	790	900	1013	1013		
	787	155	791	901	1014	1014		139
	788	61	792	902	1015	1015		
	789	97	793	903	1016	1016		
	790	37	794	904	1017	1017		
	791	122	795	905	1018	1018		
	792	129	796	906	1019	1019		
	793	195	797	907	1020	1020		
	794	123	798	908	1021	1021		
	795	50	799	909;910	1022;1023	1022		
	796	77	800	911;912	1024;1025	1024	84;85	
	797	59	801	913	1027	1027		
	798	68	802	914	1028	1028		

	799	75	803	915	1029	1029		
	800	217	804	916	1030	1030		
	801	199	805	917	1031	1031	162;163	
	802	95	806	918;919	1032;1033	1032		
	803	69	807	920	1034	1034		73
	804	69	808	921	1035	1035		73
	805	55	809	922	1036	1036	50;51	
	806	171	810	923;924	1037;1038	1037		
	807	163	811	925	1039	1039		142
+	808	3	812	926	1040	1040	4;5	
	809	40	813	927;928	1041;1042	1042		39
	810	210	814	929	1043	1043		
	811	167	815	930	1044	1044		
	812	173	816	931;932	1045;1046	1045		
	813	151	817	933	1050	1050		
	814	218	818	934	1051	1051	175;176	
	815	215	819	935	1052	1052		
	816	153	820	936	1053	1053		
	817	38	821	937	1054	1054		
	818	95	822	938	1055	1055		
	819	29	823	939	1056	1056		
	820	171	824	940	1057	1057		
	821	57	825	941	1058	1058		59
	822	219	826	942	1059	1059		
	823	11	827	943	1060	1060		
	824	225	828	944	1061	1061		
	825	15	829	945	1062	1062		
	826	42	830	946	1063	1063		
	827	54	831	947	1064	1064		49
	828	106	832	948	1065	1065		
	829	35	833	949	1066	1066		
	830	191	834	950	1067	1067		
	831	28	835	951	1068	1068		
	832	28	836	952;953	1069;1070	1070		
	833	85	837	954	1071	1071		
	834	27	838	955	1072	1072		
+	835	4	839	956	1073	1073		
	836	77	840	957;958	1074;1075	1076		
	837	69	841	959	1079	1079		
	838	34	842	960	1080	1080		
	839	77	843	961	1081	1081		
	840	129	844	962	1082	1082		
	841	232	845	963	1083	1083		185
	842	242	846	964	1084	1084		
	843	77	847	965	1085	1085		
	844	31	848	966	1086	1086		
	845	24	849	967	1087	1087		
	846	95	850	968;969	1088;1089	1088		
	847	29	851	970;971	1090;1091	1092		
	848	29	852	972	1093	1093		

	849	232	853	973	1094	1094	
	850	95	854	974	1095	1095	
	851	38	855	975	1096	1096	
	852	38	856	976	1097;1098	1098	
	853	58	857	977	1100	1100	
	854	29	858	978	1101	1101	
	855	81	859	979	1102	1102	
	856	78	860	980	1103	1103	
	857	116	861	981	1104	1104	111
+	858	3	862	982	1105	1105	
	859	92	863	983	1106	1106	
	860	29	864	984;985	1107;1108	1107	
	861	196	865	986	1109	1109	
	862	48	866	987	1110	1110	
	863	170	867	988	1111	1111	
	864	24	868	989	1112	1112	
	865	97	869	990	1113;1114	1114	98
	866	40	870	991;992	1115;1116	1116	
	867	210	871	993	1117	1117	
	868	95	872	994	1118	1118	
	869	213	873	995	1119	1119	
	870	79	874	996	1120	1120	
	871	102	875	997	1121	1121	
	872	56	876	998;999	1122;1123	1122	
	873	36	877	1000	1124	1124	
	874	137	878	1001	1125	1125	
	875	234	879	1002	1126;1127	1126	
	876	157	880	1003	1128	1128	
	877	52	881	1004	1129	1129	
	878	110	882	1005	1130	1130	
	879	176	883	1006	1131	1131	
	880	11	884	1007;1008	1132;1133	1133	
	881	144	885	1009	1134	1134	
	882	104	886	1010	1135	1135	
	883	51	887	1011	1136	1136	
	884	95	888	1012;1013	1137;1138	1138	
	885	257	889	1014;1015	1139;1140	1139	
	886	173	890	1016;1017	1141;1142	1142	
	887	38	891	1018	1143	1143	37
	888	38	892	1019;1020	1144;1145	1144	
	889	38	893	1022;1023	1147;1148	1147	
	890	211	894	1024	1149	1149	
	891	16	895	1025	1150	1150	
	892	166	896	1026	1151	1151	
	893	145	897	1027	1152	1152	
	894	41	898	1028	1153	1153	
	895	41	899	1029;1030	1154;1155	1155	
	896	110	900	1031	1156	1156	108
	897	140	901	1032	1157	1157	
	898	138	902	1033	1158	1158	

	899	38	903	1034	1159	1159	
	900	29	904	1035;1036	1160;1161	1161	
	901	191	905	1037	1164	1164	
	902	232	906	1038	1165	1165	
	903	197	907	1039	1166	1166	
	904	66	908	1040	1167	1167	
	905	167	909	1041	1168	1168	
	906	115	910	1042	1169	1169	
	907	105	911	1043	1170	1170	
	908	257	912	1044	1171	1171	
	909	82	913	1045	1172	1172	
	910	56	914	1046	1173	1173	
+	911	3	915	1047;1048	1174;1175	1175	
	912	69	916	1049	1176	1176	74
	913	205	917	1050	1177	1177	
	914	141	918	1051	1178	1178	
	915	167	919	1052	1179	1179	
	916	24	920	1053	1180;1181	1181	
	917	218	921	1054	1182	1182	177
	918	86	922	1055	1183	1183	
	919	88	923	1056	1184	1184	
	920	173	924	1057	1185	1185	
	921	62	925	1058	1186	1186	
	922	140	926	1059	1187	1187	
	923	258	927	1060	1188	1188	
	924	258	928	1061	1189	1189	
	925	214	929	1062;1063	1190;1191	1190	
	926	102	930	1064	1192	1192	
	927	102	931	1065	1193	1193	
	928	147	932	1066	1194	1194	
	929	105	933	1067	1195	1195	
	930	105	934	1068	1196	1196	
	931	75	935	1069	1197	1197	
	932	62	936	1070	1198	1198	
	933	108	937	1071	1199	1199	
+	934	2	938	1072	1200	1200	
+	935	5	939	1073	1201	1201	
	936	58	940	1074	1202	1202	
	937	76	941	1075	1203	1203	
	938	40	942	1076	1204;1205	1204	
+	939	2	943	1077	1206	1206	
	940	79	944	1078	1207	1207	
	941	50	945	1079;1080	1208;1209	1208	
+	942	3	946	1081	1210	1210	
	943	133	947	1082	1211	1211	
	944	45	948	1083	1212	1212	41
	945	91	949	1084	1213	1213	
	946	91	950	1085	1214	1214	
+	947	2	951	1086	1215	1215	
+	948	2	952	1087	1216	1216	

	949	234	953	1088	1217	1217		
	950	248	954	1089	1218	1218		194
	951	19	955	1090;1091	1219;1220	1220		15
	952	19	956	1092;1093	1222;1223	1222		15
	953	191	957	1094	1229	1229		
+	954	2	958	1095	1230	1230		
	955	135	959	1096	1231	1231		
	956	22	960	1097	1232	1232		21
	957	38	961	1098;1099	1233;1234	1234		
	958	38	962	1100;1101	1235;1236	1235		
	959	56	963	1102	1237	1237		54
	960	85	964	1103	1238	1238		
	961	204	965	1104	1239	1239		
	962	191	966	1105	1240	1240		
	963	217	967	1106	1241	1241		
	964	194	968	1107	1242	1242		
	965	37	969	1108	1243	1243		
	966	108	970	1109	1244	1244		
	967	186	971	1110	1245	1245		
	968	29	972	1111	1246;1247	1247		
	969	29	973	1112	1248;1249	1248		27
	970	62	974	1113	1252	1252	61;62	
	971	224	975	1114	1253	1253		
	972	73	976	1115	1254	1254		
+	973	3	977	1116	1255	1255		
+	974	3	978	1117;1118	1256;1257	1257		
	975	69	979	1119	1258	1258		
	976	73	980	1120	1259	1259		
+	977	6	981	1121	1260	1260		
	978	37	982	1122	1261	1261		
	979	97	983	1123	1262	1262		99
	980	102	984	1124	1263	1263		
	981	108	985	1125	1264	1264		
	982	41	986	1126	1265	1265		
	983	210	987	1127	1266	1266		
	984	38	988	1128;1129	1267;1268	1268		37
	985	235	989	1130	1269	1269		
	986	31	990	1131	1270	1270	30;31	
	987	178	991	1132	1271	1271		
	988	122	992	1133;1134	1272;1273	1272		
	989	38	993	1135	1274	1274		
	990	145	994	1136	1275	1275		
	991	77	995	1137	1276	1276		86
	992	241	996	1138	1277	1277		
	993	102	997	1139	1278;1279	1279		
	994	63	998	1140	1280	1280		
	995	144	999	1141	1281	1281		
	996	56	1000	1142	1282	1282		
	997	144	1001	1143	1283	1283		
	998	53	1002	1144	1284;1285	1284		

	999	186	1003	1145	1286	1286	
	1000	41	1004	1146	1287	1287	
	1001	66	1005	1147	1288	1288	
	1002	38	1006	1148	1289	1289	
	1003	38	1007	1149;1150	1290;1291	1291	
	1004	154	1008	1151	1292;1293	1292	
	1005	35	1009	1152	1294	1294	
	1006	78	1010	1153	1295	1295	
	1007	146	1011	1154	1296	1296	135
	1008	73	1012	1155	1297	1297	
	1009	196	1013	1156	1298	1298	
	1010	196	1014	1157	1299	1299	
	1011	76	1015	1158;1159	1300;1301	1301	
	1012	91	1016	1160	1303	1303	
	1013	208	1017	1161	1304;1305	1305	
	1014	141	1018	1162	1306	1306	128
	1015	81	1019	1163	1307	1307	
	1016	94	1020	1164	1308	1308	
	1017	173	1021	1165;1166	1309;1310	1310	
	1018	58	1022	1167	1313	1313	
	1019	91	1023	1168	1314	1314	
	1020	190	1024	1169;1170	1315;1316	1315	
	1021	214	1025	1171	1317	1317	
	1022	136	1026	1172	1318	1318	
	1023	38	1027	1173	1319;1320	1320	
	1024	131	1028	1174	1321	1321	
	1025	106	1029	1175	1322	1322	
	1026	193	1030	1176	1323	1323	
	1027	19	1031;1032	1177;1178	1324;1325	1325	16
	1028	39	1033	1179	1326	1326	
	1029	241	1034	1180	1327	1327	
	1030	137	1035	1181	1328	1328	
	1031	137	1036	1182;1183	1329;1330	1330	
	1032	92	1037	1184;1185	1331;1332	1331	
	1033	68	1038	1186	1333	1333	
	1034	214	1039	1187	1334	1334	
	1035	144	1040	1188	1335	1335	131
	1036	111	1041	1189	1336	1336	109
	1037	102	1042	1190	1337	1337	
	1038	232	1043	1191;1192	1338;1339	1339	
	1039	101	1044	1193	1340	1340	
	1040	31	1045	1194	1341	1341	
	1041	69	1046	1195	1342	1342	75
	1042	174	1047	1196	1343	1343	
	1043	112	1048	1197	1344	1344	
	1044	198	1049	1198	1345	1345	
+	1045	4	1050	1199	1346	1346	
	1046	24	1051	1200;1201	1347;1348	1347	
+	1047	2	1052	1202	1349	1349	
	1048	83	1053	1203	1350	1350	

+	1049	4	1054	1204	1351	1351	6
	1050	103	1055	1205	1352	1352	
	1051	78	1056	1206	1353	1353	
	1052	33	1057	1207	1354	1354	
	1053	161	1058	1208	1355	1355	
	1054	36	1059	1209	1356	1356	
	1055	173	1060	1210	1357;1358	1357	
	1056	122	1061	1211	1359;1360	1359	
	1057	34	1062	1212	1361	1361	
	1058	15	1063	1213	1362	1362	10
+	1059	2	1064	1214	1363	1363	
	1060	69	1065	1215	1364	1364	
	1061	225	1066	1216	1365	1365	
	1062	106	1067	1217	1366;1367	1367	
	1063	115	1068	1218	1368	1368	
	1064	44	1069	1219	1369	1369	40
	1065	165	1070	1220	1370	1370	145
	1066	220	1071	1221	1371	1371	
	1067	97	1072	1222	1372	1372	
	1068	44	1073	1223	1373	1373	
	1069	130	1074	1224	1374	1374	
	1070	179	1075	1225;1226	1375;1376	1375	
	1071	232	1076	1227	1378	1378	185
	1072	173	1077	1228	1379	1379	
	1073	173	1078	1229	1380	1380	
	1074	214	1079	1230	1381	1381	
	1075	19	1080	1231	1382	1382	
	1076	262	1081	1232	1383	1383	200
	1077	241	1082	1233	1384	1384	
	1078	131	1083	1234	1385	1385	
	1079	172	1084	1235	1386	1386	
	1080	53	1085	1236	1387	1387	47;48
	1081	110	1086	1237	1388	1388	
	1082	91	1087	1238	1389	1389	
	1083	106	1088	1239	1390;1391	1393	
	1084	50	1089	1240;1241	1395;1396	1395	
	1085	31	1090	1242;1243	1397;1398	1397	
	1086	110	1091	1244	1399	1399	
	1087	19	1092	1245	1400;1401	1400	
	1088	21	1093	1246;1247	1403;1404	1403	20
	1089	189	1094	1248	1405	1405	
	1090	24	1095	1249;1250	1406;1407	1407	23
	1091	119	1096	1251	1408	1408	
	1092	117	1097	1252	1409	1409	
	1093	191	1098	1253	1410	1410	
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AAFVVDK	IAQQDAQ	RAAFVVDK	R	A	A	D	K	A
AAIAEEQIL	VASEMNTI	AEEQILNK	K	A	A	N	K	Q
AALANVYE	AQDFEGVF	LANVYEYR	R	A	A	Y	R	G
AALLSVGK	ENDPEVFK	AALLSVGK	K	A	A	G	K	I
AALNDPAK	NSHQDNLF	NLLDSGIR	R	A	A	I	R	L
AANAPVYV	WHNIDGYI	NAPVYVTR	K	A	A	T	R	L
AANQGALI	YPNEQAAF	PDLSLIVKA	R	A	A	V	K	A
AAPETGIM	IVNKPLFK	NGLITVSR	K	A	A	S	R	D
AASLSPKD	KIMSSIEK	LSPKDPER	K	A	A	E	R	A
AAVEEGILF	DDALNATF	GGGTALVK	R	A	A	V	K	A
ACTLTFESR	LLEVKENR	CTLTFESR	R	A	C	S	R	H
ADLEMQIE	LDELTLTK	TEELAYLK	K	A	D	L	K	K
ADLEMQIE	LDELTLTK	EELAYLKK	K	A	D	K	K	N
AEAESLYQ	EDIAQKSK	AESLYQSK	K	A	E	S	K	Y
AEGEAESA	ERQASVIR	ESAEFISK	R	A	E	S	K	A
AETECQNT	EEQLQQIR	YQQLLDIK	R	A	E	I	K	I
AFAEAYR	TGTQVFGK	KAFAEAYR	K	A	F	Y	R	Q
AFQFFQLN	DPSKTIPK	FQLNNVPF	K	A	F	P	R	L
AFSENITK	PTNEGLIK	AFSENITK	K	A	F	T	K	K
AFSMNPAF	GLRADLNK	IGSQALPK	K	A	F	P	K	Y
AFSPLAEK	LPKENYSK	FSPLAEKK	K	A	F	K	K	E
AFTEYTQT	KHSGDRSR	FTEYTQTR	R	A	F	T	R	H
AFVSTGDG	RIALKNYK	GDGTVNVI	K	A	F	V	K	E
AGDASTAK	REKNAKAK	DNSASSNC	K	A	G	N	Q	-
AGDLTEIG	KRDFEILK	DLTEIGEK	K	A	G	E	K	G
AGESGSEG	KYSNDELK	SVPIEIPK	K	A	G	P	K	K
AGFAGDD	DNGSGMC	FAGDDAPF	K	A	G	P	R	A
AGFPLQDL	DGNAMVS	CLITEGAR	R	A	G	A	R	G
AGKLIVK	NIRDTALK	KAGKLIVK	K	A	G	V	K	N
AGREELER	YNEFLYSK	AGREELER	K	A	G	E	R	V
AGVDVDE	LTDDMLFK	VDEKGQGI	K	A	G	G	K	N
AHGGFSVF	ELINNIAK	VFTGVGER	K	A	H	E	R	T
AHIPEVLP	_____	HIPEVLPKS	M	A	H	P	K	S
AHQTELTH	ARAYRIIR	LTHHLLPR	R	A	H	P	R	N
AIADLAVG	LAYIGSDK	DLAVGEAK	K	A	I	A	K	Y
AIAEDMVL	MDAYNETI	GIFGPGDR	K	A	I	D	R	Q
AIAMDPHI	APMYQIM	MDPHDTT	K	A	I	T	K	V
AIFEILNK	FQDVTREK	AIFEILNKS	K	A	I	N	K	S
AIFTDNSLL	SLVQTGSK	VQAAQDV	K	A	I	V	K	Y
AIGVLPQLI	TVLFGVAR	LPQLIIDRA	R	A	I	D	R	A
AIGYQWYV	ISPAMTIK	IGYQWYW	K	A	I	W	K	Y
AINAGGGA	ASAMRGCI	GATTVLTK	K	A	I	T	K	D
AITMEIR	ACRDVVSR	RAITMEIRE	R	A	I	I	R	E
AKDNSEKL	_____	LQVQGEEK	M	A	K	E	K	K
AKHVYSES	QVLKLYQR	HVYSESLR	R	A	K	L	R	V
AKQPVKDC	NGIKFSLK	LSTNVEAK	K	A	K	A	K	L
AKVSDSGI	PDASSQVK	GIVTLAYK	K	A	K	Y	K	Q

ALDADAFC TDTEAAIKA LDADAFQF K	A	L	Q	R	V
ALEEANAD ASYLDKVRA ANADLEVK R	A	L	V	K	I
ALEEDNQC EQQVTQQ SPTAPPTE_ K	A	L	T	E	-
ALEESNYEI ASYLDKVRA SNYELEGKI R	A	L	G	K	I
ALELKPDYS KVVEMSTK ELKPDYSKV K	A	L	S	K	V
ALHSEEYAI FRYKRFVRA HSEEYANK R	A	L	N	K	S
ALKDKETFE QNVVTGG KDKETFEKI R	A	L	E	K	L
ALQVTPPE AVLHGGTK QVTPPEHK K	A	L	H	K	S
ALSADLAA IPTDAQVKA LSADLAARS K	A	L	A	R	S
ALTTLVYSC FYSGGPLKA SDNLNLQR K	A	L	Q	R	S
ALVHHYEE FKNTEEGK HYEECAER K	A	L	E	R	V
ALYIDFWN VWPDLDA WMLGDAA R	A	L	A	R	E
AMFGFKKE FAFKDKIKA KKEEGYAK K	A	M	A	K	W
ANATFSSE SGNRTLVK QGNPKEEK K	A	N	E	K	-
ANEFGIK IRKELSTRA RANEFGIKI R	A	N	I	K	L
ANEFGIKLE IRKELSTRA TFGPEFTKA R	A	N	T	K	A
ANFTAEEK GEPDFSNK DKYALALKI K	A	N	L	K	D
ANLLSSSNF NQSFIQQK SSNFEATKI K	A	N	T	K	K
ANLLSSSNF NQSFIQQK SNFEATKKS K	A	N	K	K	S
APAINLRPK FGFMHYAK PAINLRPKE K	A	P	P	K	E
APDAHADI LSLLRSPKA DMGTHEIK K	A	P	I	K	Y
APDFVESN NKSVIYNKA IFNLNTVKS K	A	P	V	K	S
APGILPR GRSRAQVK KAPGILPRF K	A	P	P	R	R
APGQSTVC SKVNKTKK GLLAQLAK K	A	P	A	K	Q
APILINNLLI AALNDPAK NLLDSGIRL K	A	P	I	R	L
APMTFFET LMTNSVLR FETTPIGRI R	A	P	G	R	I
APTFFVSQ IEGKRTLRA FETEFFPRD R	A	P	P	R	D
APVPLTLEE KGKNQFEK QIDNVSLRY K	A	P	L	R	Y
AQEDVPYL LPRNEWIK LEAEAAAK K	A	Q	A	K	E
AQIGTTDLI SIQSGGPRA GTTDLHIKA R	A	Q	I	K	A
AQIYDDQL TLFQATYKA DDQLQNYI K	A	Q	Y	R	D
AQLDLVIEA KAFWEFSK VIEALNERK K	A	Q	E	R	K
AQPTEVSS TRRLASTKA VSSILEERI K	A	Q	E	R	I
AQVNSLIQ VVPPKYTK LIQQNTAR K	A	Q	A	R	E
AQYEEIAQ DSIIAEVKA QYEEIAQRS K	A	Q	Q	R	S
ARPVITDLF LIWATGNK PVITDLFKK K	A	R	F	K	K
ASAFPVK NLLSYFTRA RASAFPVKI R	A	S	V	K	G
ASALGSLAI APPIDAFRA AGSALYKRI R	A	S	K	R	L
ASAPGSVIL PEVEAAVK VILLENLRY K	A	S	L	R	Y
ASEFYYGFA AKFLVFERA YYGFAGPK R	A	S	P	K	E
ASLVYHDG MLTTDNLK DGSFNDSR K	A	S	S	R	L
ASNNDATF EIADEKEKA NDATFGIKI K	A	S	I	K	K
ATFLKDDLI DREYITLKA ALADVLYK K	A	T	Y	K	T
ATFSVDSR IGDGLSDRA ATFSVDSRI R	A	T	S	R	D
ATIDILHAK EKLDSKGKA TIDILHAKV K	A	T	A	K	V
ATMNCKLF AFLQVGAK VNIEFATRY K	A	T	T	R	Y
ATTPNVNL FPLVGLPKA NDPIYFLRC K	A	T	L	R	G
AVADVWS SPYDLNGK SDLEAEFKC K	A	V	F	K	Q
AVDALVPI EPVQTGLK DALVPIGRC K	A	V	G	R	G
AVGAPIERI LPQLIIDRA GAPIERPKS R	A	V	P	K	S

AVGGEVG/	EVKYLYLRA	ASAALAPK	R	A	V	P	K	I
AVGWATA	YLWDYFNF	VGWATAG	R	A	V	G	R	F
AVHETIAE(	EYATRISKA	HETIAEGK	K	A	V	G	K	H
AVLDSWVI	VELAHEAK	AVLDSWVI	K	A	V	V	R	Y
AVLEGKYD	KDTVASFK/	GIEDVVAK/	K	A	V	A	K	A
AVQNIILGI	FADAELKK/	EVCCAGSR	K	A	V	S	R	V
AVVAQFN/	SIVNEVLKA	ASQLITQR	K	A	V	Q	R	E
AWISLAVE	LRDDTLPK/	SPNYFVAK	K	A	W	A	K	L
AYGEGEEH	KAERDEIK/	EPVVEIPK	K	A	Y	P	K	R
AYGVSKED	ACVSRGMI	EDLVDNLK	K	A	Y	L	K	V
AYKIDQLN'	YLAQYFKK/	KIDQLNWK	K	A	Y	W	K	M
AYLDELKD'	VENEDQYK	LDELKDVR	K	A	Y	V	R	Q
CHTIMNCT	NNSMSLYF	HTIMNCTR	R	C	H	T	R	T
CSNTTLPSE	VHVPMEVI	EPLDTSKR	R	C	S	K	R	T
CSSSYKPVK	KIISTPAKC	SSSYKPVKF	K	C	S	V	K	F
DADEQGIH	AIFESFVRD	DEQGIHIR	R	D	A	I	R	K
DANNEWF	QVTCYGYK	NNEWFFN	K	D	A	N	R	E
DAPTFQES	LSINGIGKD	ESALIADKL	K	D	A	D	K	L
DDLPYYVN	TLKATFLKC	ALADVLYK'	K	D	D	Y	K	T
DDSAIKED	LDKDANKK	EDKQESGK	K	D	D	G	K	S
DEGKHYDT	TLPSANSK	FEIQGLPKL	K	D	E	P	K	L
DELATLQA	IAEGWIPRI	ELATLQAR	R	D	E	A	R	L
DFADKVYT	RVSLQDIK	FADKVYTK	K	D	F	T	K	E
DFIQEHVP	GEISFISKD	QEHVPGPK	K	D	F	P	K	E
DFQSYIVS	ALSSNISRD	SLPGSTDK	R	D	F	D	K	S
DFYHATPA	NINDLLNK	TTTANGIK	K	D	F	I	K	F
DFYTAEGE'	WPEEIKER	YTAEGEYR'	R	D	F	Y	R	V
DGGVFATF	KSTIPVKR	ATFVVPPK'	R	D	G	P	K	Y
DGPLSTNV	LKAKQPVK	LSTNVEAK	K	D	G	A	K	L
DGTHYLSN	RRFGMKH	THYLSNVR'	K	D	G	V	R	T
DGVAHLLN	GGSRYATK	GVAHLLNR	K	D	G	N	R	F
DGVYENIP	MKRSVHFK	VYENIPFK	K	D	G	F	K	V
DIAQTLAN	IRRLEASKD	SLLLNIGR_	K	D	I	G	R	-
DIENQYET(	QLIAKNRK	QEVQSSAK	K	D	I	A	K	E
DINSQGFK	YLENCNPR	DINSQGFK	R	D	I	F	K	I
DKDGNEFN	NPLTDKLK	HGDGLPQI	K	D	K	Q	R	G
DKDHPNTL	SRPLAGGR	HPNTLHVR	R	D	K	V	R	G
DKFVEGLS	RWKSLSTK	VEGLSNNK	K	D	K	N	K	Y
DKFVEGLS	RWKSLSTK	GLSNNKYK	K	D	K	Y	K	I
DKGNQFFF	DKYALALK	DKGNQFFF	K	D	K	F	R	N
DKLAHHSA	KKQIIESRD	HHSADLSR	R	D	K	S	R	V
DKVATLEQ	YVTGVIAR	TLEQILWR'	R	D	K	W	R	V
DKVDAVYS	KDILNAVK	VDAVYSSS_	K	D	K	S	S	-
DLDDMTF(	SSFDVTER	DDMTFGEI	R	D	L	E	R	I
DLFEYTLA	DTDANVPF	YAAEISARF	R	D	L	A	R	R
DLGFGTIL	YYQCGKGF	TILNFTTK	K	D	L	T	K	I
DLLAGTAG	HDNARVVI	GQPFDTTK	K	D	L	T	K	V
DLQMVSLT	IATNTGTK	QMVSLTLR	K	D	L	L	R	V
DLQSTLDN	SLVSKELK	LTVDDLTK	K	D	L	T	K	I
DLVPDLTN	LPHMFIVK	TNFYQQYK	K	D	L	Y	K	S

DLYATIFGL	KEYIASRRD	YATIFGLRH	R	D	L	L	R	H
DQDSAVVS	GLFTLFVRD	AVVSSNIKH	R	D	Q	I	K	K
DQDSAVVS	GLFTLFVRD	VVSSNIKKI	R	D	Q	K	K	I
DQGELIGIL	SGEKKSPKI	LNNLGYSK	K	D	Q	S	K	D
DQPSVGVT	STLHQLAKI	FSILDTLKSI	K	D	Q	L	K	S
DQQAGESI	VSSEIQQKI	TDTGVIHKS	K	D	Q	H	K	S
DQSQNENI	CGPCYGAK	ENLAQEEK	K	D	Q	E	K	V
DREATFR	RREQKLMF	RDREATFR	R	D	R	F	R	D
DRFGNLNV	KWDVPGY	RFGNLNVN	K	D	R	V	M	-
DRNSVIDA	LNPALSLKD	DAIVETHKI	K	D	R	H	K	N
DSAYTLGQ	YIPQEISRD	QLGLVQFR	R	D	S	F	R	D
DSGLWGFS	NHFSLSYKD	WGFSTATF	K	D	S	T	R	N
DSSINIENY	KLGIMEQK	ENYLEDAK	K	D	S	A	K	L
DSSPINYGE	NTSFFQIRD	PINYGEEKS	R	D	S	E	K	S
DTDYDDFE	LAAGPVKK	DYDDFEMI	K	D	T	M	R	G
DTEIDLSK	KSRSKGLRD	DTEIDLSKK	R	D	T	S	K	K
DTSHGEITL	HEVLKTVR	ITLSAPYKG	R	D	T	Y	K	G
DTSNMWV	MATEKHAI	DTSNMWV	K	D	T	V	K	I
DVALEFKD	AISGSSARD	QGITLMGF	R	D	V	G	R	R
DVDGAYM	NEFVTIKKD	VDGAYMT	K	D	V	T	K	V
DVETNELV	KVIGAEARI	VETNELVR	R	D	V	V	R	I
DVFLSQYFI	NLNKEVSR	QYFFTGLR	R	D	V	L	R	A
DVHNGYIL	SSVEHIMR	VHNGYILR	R	D	V	L	R	Y
DVQPFIPK	DIKSWMIK	DVQPFIPKS	K	D	V	P	K	S
DVRPILNSF	YLATQQTK	LNSFEDKKI	K	D	V	K	K	N
DVTTFLNV	ATTSQMAI	AEPEHDER	K	D	V	E	R	K
DVTTFLNV	ATTSQMAI	EPEHDERK	K	D	V	R	K	R
DWEPQESI	GTAIYMAR	QESEELKKD	R	D	W	K	K	D
DYLTTSPVF	CSREEFTRD	YLTTSPVRF	R	D	Y	V	R	F
DYNEDLVD	LQKTNIIRD	NEDLVDGF	R	D	Y	G	R	S
DYRDQGIK	KGVPDTAR	DYRDQGIK	R	D	Y	I	K	W
DYSLGATLI	MALSYFAK	AFLQVGAK	K	D	Y	A	K	A
DYVDQDLF	VEFAAELRI	YVDQDLRK	R	D	Y	R	K	W
DYVELKR	GEAIKKSRD	RDYVELKRI	R	D	Y	K	R	L
EALNAVHA	RFAFLDAKI	NAVHATVH	K	E	A	V	K	V
EANPSTQV	YVSYSLYRE	DTFPNGSK	R	E	A	S	K	R
EAYPGDVF	LLRRPPGRI	DVFYLHSRI	R	E	A	S	R	L
ECPNIAGFI	LITKYGPKE	PHIDEALKC	K	E	C	L	K	Q
EDNFDGVD	DTELTMVR	DNFDGVDI	R	E	D	D	R	T
EDVLSAWA	YIEFPVKRE	AGVRPLVR	R	E	D	V	R	D
EDYPNRDD	ESRGAHAR	RDDEHWM	R	E	D	M	K	H
EEGIGSFYS	GGFSRILKE	GFTPILFKQ	K	E	E	F	K	Q
EFDEAYDLI	EFTARYEKE	YDLFEVQR	K	E	F	Q	R	V
EFINDPR	ADLSSNTKI	KEFINDPRI	K	E	F	P	R	N
EGFSHLYK	CLTKIVKKE	EGFSHLYKC	K	E	G	Y	K	G
EGICGSCAI	LTFRRSCRE	CAMNIGGI	R	E	G	G	R	N
EGLALSSNI	ENSAVAAK	ALSSNISRD	K	E	G	S	R	D
EGNISINSG	LVGVGNGI	SGSGNSSK	K	E	G	S	K	S
EGTVPTDLI	TLIGPGAKE	DQETGLAR	K	E	G	A	R	L
EGVFYGAC	QVSALIQRI	GHANMPII	R	E	G	I	K	I

EGVFYGAC	QVSALIQRI	IEAVSLPKF	R	E	G	P	K	F
EHAALEPR	NFGEGSSR	EHAALEPR	R	E	H	P	R	F
EHALLAFTL	ISKDGQTRI	LAFTLGVR(	R	E	H	V	R	Q
EIADNLTEF	NMPNLEQ	IADNLTER(	K	E	I	E	R	Q
EIDSAIK	TVRDYDLK	KEIDSAIKSI	K	E	I	I	K	S
EIISAYR	EKDLAHAR	REIISAYRH	R	E	I	Y	R	H
EISDAQEIR	YEYSSFLKE	ISDAQEIRL	K	E	I	I	R	L
EITTSEEIAC	EFLSANKKE	NGDSHVGI	K	E	I	G	K	L
EKDELDNIE	LEAEAAAK	LDNIEVSK_	K	E	K	S	K	-
EKFYAELAE	HMDKINKF	FYAELAERI	R	E	K	E	R	K
EKPAAQSS	RDAEDFSK	AAQSSLLRI	K	E	K	L	R	L
ELDPENIFP	GKDFDKAK	QLACLAYR	K	E	L	Y	R	E
ELDSWFQE	SELYAIAKE	SWFQDVTI	K	E	L	T	R	E
ELEALVAM	EEDILLKKE	AMKPSQFI	K	E	L	F	K	I
ELIVAITSDI	ATETGAPK	IVAITSDKG	K	E	L	D	K	G
ELIVAITSDI	ATETGAPK	SIHSQLAKA	K	E	L	A	K	A
ELKDLQSTI	ETESLVSKE	LTVDDLTKI	K	E	L	T	K	I
ELMDENFC	ERWFPSSR	LMDENFCF	R	E	L	C	R	R
ELPRPLAEK	PEFNSSAKI	LPRPLAEKC	K	E	L	E	K	C
ELQEIDASL	AEVILNEKE	SLEPLGGRI	K	E	L	G	R	M
ELSDLENK	EEIKNLEKE	ELSDLENKI	K	E	L	N	K	L
ELTTEIDNN	AWFNEKSK	IEQISSYKSE	K	E	L	Y	K	S
ELTYDLLQE	RVLDGGKK	PLLNQTIKE	K	E	L	I	K	E
ELVGSHLVI	QEPPEWVI	HLVEPVPK	R	E	L	P	K	F
EMSVDALC	FNASGLGR	LQNYLQVK	R	E	M	V	K	A
ENAPSIVFI	RDLFKTARI	DEIDAIGKA	R	E	N	G	K	A
ENLEVSGE	FADKVYTK	NVVEADLK	K	E	N	L	K	R
ENLEVSGE	FADKVYTK	VVEADLKR	K	E	N	K	R	F
ENPFGNSI	RIYQQSVK	YQQGFYSR	K	E	N	S	R	Y
ENQFSPGR	NRLINLLKE	ENQFSPGR	K	E	N	G	R	V
EQDPDNVI	KKFRKIRKE	DNVFLANK	K	E	Q	N	K	Q
EQGLQYEC	SYYYKICKE	EPLSETAKY	K	E	Q	A	K	Y
EQLSFVMN	AYSFCTPKE	VMNLYYEK	K	E	Q	E	K	S
EQQVSVNI	LSNLPAVKI	NSSHFEAK	K	E	Q	A	K	K
ESELLGGTF	RSALKLVRE	ELLGGTFKS	R	E	S	F	K	S
ESEVSGSV	GGKKTVKK	SGSSTGVK	K	E	S	V	K	T
ESIANLDKL	PLPSDLGKE	IANLDKLRN	K	E	S	L	R	N
ESLMATEK	KVAAQKFK	ESLMATEK	K	E	S	E	K	H
ESMSQQN	LTMARQIK	NLNETTQK	K	E	S	Q	K	K
ESNFLIDFL	PPAPAPKK	GVSAAVAK	K	E	S	A	K	T
ESTLHLVLR	LSDYNIQKE	STLHLVLRL	K	E	S	L	R	L
ETESLVSK	KHAMTNA	ETESLVSKE	K	E	T	S	K	E
ETGVINLEC	NDLYREMK	INLEGESKV	K	E	T	S	K	V
ETSNFIK	SRFQEIVKE	KETSNFIKK	K	E	T	I	K	K
EVAAFAQF	KLFLAQYRE	SDLDASTK(	R	E	V	T	K	Q
EVFEAATR	AKTGYGVR	EVFEAATR,	R	E	V	T	R	A
EVKDEQSY	RKLSKLTRE	EQSYIVIRE	R	E	V	I	R	E
EVNCQIVV	SKKKALCKE	VNCQIVVR	K	E	V	V	R	D
EVPAEPET(	VPAVVNEK	TQPPVQVK	K	E	V	V	K	K
EVPAVVNE	VVQDSEPK	VPAVVNEK	K	E	V	E	K	E

EVPELLK	AHKSDSSR	REVPELLKF	R	E	V	L	K	F
EVTAALEN	GLAPEGSK	VGLVAGGI	K	E	V	G	K	S
EVYGNATE	DMSWRTA	GNATEEEK	R	E	V	E	K	H
FACNDQYC	EAPKRATK	ACNDQYQI	K	F	A	Q	K	I
FADDLSNS	LLEDTPPKF	LSNSQLAK	K	F	A	A	K	K
FALAGAIG	YSVSDYMK	MVPIDVVK	K	F	A	V	K	T
FAQGYELS	VSTKLLIKF/	AQGYELSR	K	F	A	S	R	R
FASFIDK	QIKTLNNKI	KFASFIDKV	K	F	A	D	K	V
FASFIDKVR	QIKTLNNKI	ASFIDKVRF	K	F	A	V	R	F
FDDLIAEEN	GYKKLGLKI	PIMQTALR	K	F	D	L	R	R
FDELLEK	HTAHIACR	RFDELLEKN	R	F	D	E	K	N
FEIDTDAN	EQSPSFGK	DTDANVPF	K	F	E	P	R	D
FFDMMDE	KKKKKSKR	FFDMMDE	R	F	F	E	K	H
FFIDNLGYI	GGYEVFKK	LGYDTASR	K	F	F	S	R	Y
FFLGEENR	LVSKSEPKF	FFLGEENR	K	F	F	N	R	V
FFLGEENR	LVSKSEPKF	LGEENRVR	K	F	F	V	R	F
FGDIDTAT/	AMSKLKEK	ELSTQPAK	K	F	G	A	K	E
FGGEEGLL	INGSGYGK	LLGLCNAK	K	F	G	A	K	S
FGGYEVFK	YSIQGAFKF	FGGYEVFK	K	F	G	F	K	K
FGGYEVFK	YSIQGAFKF	GGYEVFKK	K	F	G	K	K	F
FGLPHADI	THNTSMYK	IGQHIVIKA	K	F	G	I	K	A
FGSYYLR	WDEAHFG	KFGSYYLR	K	F	G	L	R	H
FIAHADEES	IFKKGSKRF	NVNDIDAK	R	F	I	A	K	E
FIGDSVAA	LGEENRVR	AIGIPVNK/	R	F	I	N	K	A
FILQSGDEF	KNDLEQYR	SGDEFFLK	R	F	I	L	K	G
FISAYDAKF	KCPSIIKKFI	AKPDFVAR	K	F	I	A	R	S
FISFFGHAI	AESSFKKRF	MGGIPVPF	R	F	I	P	R	I
FITFLDAVY	YVRDEVRR	AVYDSGGK	R	F	I	G	K	L
FKESLMAT	PDKVAAQK	ESLMATEK	K	F	K	E	K	H
FKQEFSNA	NLSKAFERI	AASGSGER	R	F	K	E	R	V
FLDAENDP	VNGKGELK	ENDPEVFK	K	F	L	F	K	A
FLEQQNK	ASFIDKVRF	RFLEQQNK	R	F	L	N	K	V
FLEQQNQ	ASFIDKVRF	QNQVLQTI	R	F	L	T	K	W
FLEQQNQ	ASFIDKVRF	QQVDTSTF	R	F	L	T	R	T
FLEWLNEC	IEAVSLPKF	FLEWLNEC	K	F	L	E	Q	-
FLGGFAIITI	EHAALEPR	GGFAIITKS	R	F	L	T	K	S
FLSQPFAV/	ERARKIQRI	VFTGIPGKI	R	F	L	G	K	L
FLVDESPK	EQVFSSPKI	FLVDESPKI	K	F	L	P	K	I
FNFQNTNT	GVAHLLNR	NFQNTNTF	R	F	N	T	R	S
FNYVAVGI	VKDFKLGK	NLPYLDEL_	K	F	N	E	L	-
FQDTLYK	VFTEGWPK	KFQDTLYK	K	F	Q	Y	K	K
FQDTLYKK	VFTEGWPK	FQDTLYKK	K	F	Q	K	K	I
FQGPALTE	PSTTIVIKF(	EEIYSLFRR	K	F	Q	F	R	R
FQLEVTTP	PLDVVKTR	PTAAAVGK	R	F	Q	G	K	Q
FQTNYYRE	RADKQLLK	NYYREEQK	K	F	Q	Q	K	R
FSINPFDDI	GIETSGIKF	IAVEEAIRI	K	F	S	I	R	I
FSLPAPEA/	SSSYKPVKF	EAAQNNW	K	F	S	W	K	G
FSQNAIEE/	GLAYDLKK	ALIQQEQK	K	F	S	Q	K	K
FSQNAIEE/	GLAYDLKK	LIQQEQKK	K	F	S	K	K	I
FSQNIDLS	NSNPLKVR	ASVHVLGR	R	F	S	G	R	E

FSSCGGGG RSGGGGGI AGGGFGSF	R	F	S	S	R	S
FSSSSGYG(GGRGGGG GYGGGSSF	R	F	S	S	R	V
FTCNATHE REVPELLKF ATHELVVR	K	F	T	V	R	T
FTDGGLFTI ISSAKLDKF GLFTLFVRI	K	F	T	V	R	D
FTQAGSEV LFIDNIFRF EVSALLGRI	R	F	T	G	R	I
FVDESLLST VVEADLKR LSTLPAGKS	R	F	V	G	K	S
FVFNPPKP WAGIKTRK VFNPPKPR	K	F	V	P	R	K
FVKPCVVD RKILQSSKF CVVDVAVK	K	F	V	V	K	I
FVPSKPMC SGDAALVK SEYPPLGRF	K	F	V	G	R	F
FVVTAADV VPVDTHIR AIPSLGIKV	R	F	V	I	K	V
GAFDLCLK TQPFFTAR GAFDLCLK	R	G	A	L	K	S
GAILSGPP(KMGAKIPR SGPPGTGK	R	G	A	G	K	T
GALAYIGSI EDFKYNHK LAYIGSDKA	K	G	A	D	K	A
GCGANILR EGVGSLFK(GCGANILR	K	G	C	L	R	G
GDEDPEKL VIEIMDQR HTLTTSFRI	R	G	D	F	R	I
GDSSFIAK PRRPVLNK GDSSFIAK(	K	G	D	A	K	G
GDVDLVIN GKAISSSR(DLVINYLKS	R	G	D	L	K	S
GEGFMVV FSSSTVKR(GDNTFVGF	R	G	E	G	R	A
GEGGFLVN CLITEGAR(LVNSEGER	R	G	E	E	R	F
GENVKEPE LYYNKKSK(SEADTSVK	K	G	E	V	K	K
GFGPTMLF GGIGAFFK(GFGPTMLF	K	G	F	L	R	A
GFISPYFIT TEGMRFDF PYFITDPKS	R	G	F	P	K	S
GFLPSVVG DGVAGLYR VVGIVVYR	R	G	F	Y	R	G
GFSSGSAV GGGGGGF AVVSGGSR	R	G	F	S	R	R
GGGGGGY TISGGGSR(GGGGGGG	R	G	G	G	R	G
GGGGSFG\ GSSRVCGR GGFGGGSF	R	G	G	S	R	G
GGLIVELGI NVVKPEIK(LIVELGDKT	K	G	G	D	K	T
GGSGGGG GGRQSGSF SGGGSGGF	R	G	G	G	R	Y
GGSGGSH(YGGGSGSR GYGGGSGI	R	G	G	G	K	S
GGSGGSY(GSYGRGSR YGGGSGSR	R	G	G	S	R	G
GGSISGGG YGSGGGSK GYGSGGGI	K	G	G	G	K	H
GGSSSGGC HSSGGGSR GGGSSSVK	R	G	G	V	K	G
GGVNHVS(EIMTDAIR(HVSQDLAK	R	G	G	A	K	R
GHFQLVVK PVSDLSQK GHFQLVVK	K	G	H	V	K	H
GHFYHVFD KFLGEGER(YHVFDEPR	R	G	H	P	R	Y
GHLENISN AGPWLKYF AINAENKK	R	G	H	K	K	A
GIDAAILR EGVKGLFR GIDAAILRT	R	G	I	L	R	T
GIGNLIMK PSGSFKSR(GIGNLIMK	R	G	I	M	K	S
GIRPAINV(LEAELFYK(NVGLSVSR	K	G	I	S	R	V
GISELGIYP/ DATTVLSR(AVDPLDSK	R	G	I	S	K	S
GITSPILME EGFSHLYK(PILMEAPK	K	G	I	P	K	R
GKDLSPAI KIVADLKK(SPAINYTKL	K	G	K	T	K	L
GKPNSTVL NHNARFLK TLDGIISKK	K	G	K	S	K	K
GKYTVDQV RHVNDFLK TVDQVFAK	K	G	K	A	K	M
GLAVNDFL PEQNSSKR VNDFLQVK	R	G	L	V	K	G
GLCGSIHS(IVAITSDKG SIHSQLAK/	K	G	L	A	K	A
GLFLEDESL IMDEAAER DESLNSSR	R	G	L	S	R	S
GLIHSLVQT AYDTLGEK(SLVQTGSK	K	G	L	S	K	A
GLILTMGSI ENKKSGTR LATYSGSK	R	G	L	S	K	S
GLLIDNK LEEQDSRR(RGLLIDNKL	R	G	L	N	K	L

GLLIDNKLC	LEEQDSRR	KLQLLGAK	R	G	L	A	K	G
GLNPGLAI	NCTRTCPK	LAIAEIKKSL	K	G	L	K	K	S
GLSLEEIQE	FFFVPETKC	EEGVLPWK	K	G	L	W	K	S
GLTLEEVN	LLVVPETKC	EEGVLPWK	K	G	L	W	K	S
GLYSGLGP	IISREGIKGL	LIGVAPEKA	K	G	L	E	K	A
GLYYGSYR	VMFMHM	GLYYGSYR	K	G	L	Y	R	S
GMALNLEF	VEFSSGVK	IVLFGSDRL	K	G	M	D	R	L
GMVGSFK	LEPTVYNK	KGMVGSFI	K	G	M	F	K	Q
GNFELLVK	TSLDGDTK	GNFELLVK	K	G	N	V	K	S
GNFFSSNP	PLTAKQSK	SFVVDTYK	K	G	N	Y	K	Q
GPAPLNLE	DISGRIRKG	DGDKVIVG	K	G	P	V	G	-
GPHPTEPG	MLDLLGVR	TEPGANAR	R	G	P	A	R	Q
GPIDAAGR	LGNPIDGK	GPIDAAGR	K	G	P	G	R	S
GPYESGSG	GSGRSSSR	GLGHQESR	R	G	P	S	R	S
GPYESGSG	GSGWSSSF	HSSGLGHR	R	G	P	H	R	E
GSDWLGD	WHMYDTV	DSIHYMTR	K	G	S	T	R	E
GSGKHDLV	FVVIRGPR	MQHTLQN	R	G	S	N	R	A
GSGSGQSF	QSPGHGQ	QHGTGFGI	R	G	S	G	R	S
GSIDITTTN	QERIEQIKG	TTTNSYEKE	K	G	S	E	K	E
GSLGGGFS	SLRISSSKG	FSGGSFSR	K	G	S	S	R	G
GSNNIFAIC	VNDFLQVK	QEAEYLAK	K	G	S	A	K	N
GSNSMEEC	DERVPLLK	MEEGLSTR	K	G	S	T	R	E
GSNVVRPY	FAKFVTPK	PVSDLSQK	K	G	S	Q	K	G
GSPWIEDL	RASAFPVK	PWIEDLRR	K	G	S	R	R	L
GSSPVSPD	WYQVSFEF	PDKRPSWF	R	G	S	W	K	S
GSSSGGGY	AFGGSGGF	SSYGSGGR	R	G	S	G	R	Q
GSVPIYWA	VFSFLQTR	WAEINNLK	R	G	S	L	K	Y
GTFQSSGC	ALSSIIMRG	QNCIGIER	R	G	T	E	R	V
GTPNDAY	PQKPGGVF	YVPPPENK	R	G	T	N	K	L
GTTFDTQI	DQISKIPKG	TTFDTQIRA	K	G	T	I	R	A
GTVTSAEP	DAHNGLLK	SAEPLDPK	K	G	T	P	K	S
GVAGAGVI	GCGANILR	LQMILFGK	R	G	V	G	K	K
GVAGAGVI	GCGANILR	QMILFGKK	R	G	V	K	K	F
GVETLAEA	EGRASLLK	VAATLGPK	K	G	V	P	K	G
GVEYLDLE	HPLAGLDK	SQGLIPSR	K	G	V	S	R	G
GVIYDCPN	LTTPVFGK	IYDCPNSRL	K	G	V	S	R	L
GVLQEIRP	LITVSRDR	RPAKPLYR	R	G	V	Y	R	A
GVSDEANL	SILEERIKG	ANLNETGR	K	G	V	G	R	V
GVSTALVG	GDAKGMA	ALVGILSR	K	G	V	S	R	G
GWDVAFY	IYEENGMR	DVAFYKPR	R	G	W	P	R	N
GYDAGEN	HGDGLPQI	YQAPPADF	R	G	Y	D	R	S
GYLVAMT	VVEILQNR	VNDAPSLK	R	G	Y	L	K	K
HALIVYDDI	EWFRDNG	IVYDDLSK	K	H	A	S	K	Q
HAQEAPQI	LCGGGFLR	QEAPQFSK	R	H	A	S	K	V
HDLVMQH	RGPRGSGK	MQHTLQN	K	H	D	N	R	A
HDSNASPN	_____	GHHHNNK	K	H	D	K	K	E
HEDLVNSI	VVGTGNIK	LVNSIESKN	K	H	E	S	K	N
HEFYHDVH	KFGSYYLRI	DVHPPLGK	R	H	E	G	K	M
HGELKETTI	REIISAYRH	ETTPEFWR	R	H	G	W	R	A
HGSGSGHS	GQSPSRGR	GWSSSSGF	R	H	G	G	R	H

HIGGNSDL PNVYINGK SDLETLKKN K	H	I	K	K	N
HINIDKPEL LRPGRFDR DKPELEGR R	H	I	G	R	K
HIYQSAAA TGSTATGR QSAAAGLK R	H	I	L	K	K
HKDGTHYL FLRRFGMK THYLSNVR K	H	K	V	R	T
HLANDEYP DKDVKAIR LANDEYPR R	H	L	P	R	S
HLNDQPN QLAKAVRR DIVTIGDK R	H	L	D	K	I
HMDLPEIA RLLIPVAK DLPEIAAK K	H	M	A	K	L
HQDTDAF YFDIITIKH FLHSHLAR K	H	Q	A	R	Y
HRTPHEIQ QGKPVFIR DPQTDADF R	H	R	D	R	V
HSGQAEG NLHGIFGR YTDANIKK R	H	S	K	K	N
HSNAAQN AFSGGVYR QNVLADM R	H	S	M	R	V
HTLSWQK RDDEHWN KHTLSWQ K	H	T	Q	K	D
HVNDFLK ARFALKER RHVNDFLK R	H	V	L	K	G
HVSEVGDK EDIDYLLR VGDKLNLK R	H	V	L	K	S
HYSHVDCP VEYETAKR PGHADYIK R	H	Y	I	K	N
IAAGDGDD LWKDVKA GDGDDDD R	I	A	D	E	-
IALELLAK DINSQGFK IALELLAKL K	I	A	A	K	L
IALPTRVEP LQRTPGKK LPTRVEPK K	I	A	P	K	V
IANVVHFY GSAPNAKR ANVVHFYK R	I	A	Y	K	S
IAPALVTG PLLMWAV TGNTVVLK K	I	A	L	K	T
IAPGSSVC IFKNLNFK CIVGPSGR K	I	A	G	R	G
IAQNEVFG VDVTPEM GPILVMM K	I	A	M	K	A
IASDFGVL NRLGCFEK DAHNGLLK K	I	A	L	K	G
IAVVVVAY SRMMLQR ATPLIESRV R	I	A	S	R	V
IDAITVK SLGEAFKK KIDAITVKD K	I	D	V	K	D
IDDCFSRP YVRRIKMR PTTGVPGR R	I	D	G	R	F
IDHAGHQ FLMVEGSR NDPASQV R	I	D	V	R	E
IDLGDTVP RRNSSVGK MPESAASK K	I	D	S	K	N
IDNLTIMTR	I	D	T	R	
IDSEEAEYI VSTKFNSR SEEAEYIKL R	I	D	I	K	L
IDSFIQPVI NFAHQDP PVIYGYAK R	I	D	A	K	T
IDSVSQLQ HVEAVKD QNVAETTK R	I	D	T	K	V
IEAVSLPK GHANMPI IEAVSLPKF K	I	E	P	K	F
IEISELNR GDSLKEIKI IEISELNRV K	I	E	N	R	V
IFENCAQM KTADMAM ENCAQMA K	I	F	A	K	D
IFQSSTKPL NKVIQLQK STKPLWW K	I	F	W	R	H
IGASALGG DKLNPFEK NQPIEVIR K	I	G	I	R	V
IGDSIQIK SKMIGELK IGDSIQIKG K	I	G	I	K	G
IGEFESSFL LDGIELSR SSFLSYLKS R	I	G	L	K	S
IGESWVITE IKRYTGGR SWVITEGR R	I	G	G	R	R
IGESWVITE IKRYTGGR WVITEGRR R	I	G	R	R	L
IGEVLGIKD LFTLEDAK LGIKDQAK K	I	G	A	K	L
IGGIGTVP LPLQDVYK IGTVPVGR K	I	G	G	R	V
IGLFGGAG APYARGGK FGGAGVG K	I	G	G	K	T
IGLKPNDD EIGRGLVK LYAATSHK K	I	G	H	K	W
IGLSFTTDK TFLTDYRK FTTDKDVK K	I	G	V	K	A
IGSLKEYK VPDYYGEK IGSLKEYK K	I	G	Y	K	Q
IHLFGKPA ALEHNEVK KPATGDLK K	I	H	L	K	R
IHPSEEVA FHLAEKYR HPSEEVAK R	I	H	A	K	R
IHPSEEVA FHLAEKYR PSEEVAKR R	I	H	K	R	N

IIGSSVLEIL	FKSSLFHRI	APNFQTSR	R	I	S	R	R
IIKDKIEK	TQVKEFNK	IIKDKIEKER	K	I	E	K	E
IINEPTAAA	ISGLNVLRI	AYGLGAGK	R	I	G	K	S
IINVIGEPI	VGRETLGR	IGEPIDERG	R	I	E	R	G
IINVIGEPI	VGRETLGR	IDERGPIKS	R	I	I	K	S
IITHPNFNC	EQFINAAK	DNDIMLIK	K	I	I	K	L
IKDEQDSTI	MVLDALLK	QDSTLTFRI	K	I	K	F	R	R
IKDEQDSTI	MVLDALLK	DSTLTFRRS	K	I	K	R	R	S
IKEVRPDIK	SAHDAINR	KEVRPDIKT	R	I	K	I	K	T
IKEWYEK	SNYELEGKI	KIKEWYEK	K	I	K	E	K	H
IKGSAQINF	EHLNEGCR	KGSAQINR	R	I	K	N	R	I
IKGVSDEAI	VSSILEERIK	ANLNETGR	R	I	K	G	R	V
IKPEIDAK	LTVDDLTKI	IKPEIDAKV	K	I	K	A	K	V
ILASSPNR	DTARDIAK	ILASSPNRV	K	I	L	N	R	V
ILEEYDGDI	ELENNLKKI	EYDGDIGK	K	I	L	G	K	M
ILENALGSK	LHLGYNTK	LENALGSKI	K	I	L	S	K	L
ILIAEGWIP	SNYDTNRK	IAEGWIPRI	K	I	L	P	R	D
ILIAEGWIP	SNYDTNRK	ELATLQARI	K	I	L	A	R	L
ILKEEGIGSI	GLVGGFSR	GFTPILFKQ	R	I	L	F	K	Q
ILKPISTENL	NRGCMIVF	ISTENLTKD	R	I	L	T	K	D
ILLQATPST	PLSRRASRI	ISADQIQRE	R	I	L	Q	R	E
ILNYTPVSK	_____	LNYTPVSKI	K	I	L	S	K	I
ILQESETSN	YSKADFFKI	SETSNSSKT	K	I	L	S	K	T
ILSNEQIYN	ESTCSGKKI	SNEQIYNR'	K	I	L	N	R	W
ILTQDEIEA	_____	QDEIEAHR	K	I	L	H	R	S
ILYGHLDDF	RPFTYAEKI	PHGQDIQF	K	I	L	Q	R	G
IMSSIEK	DAQEIRLKI	KIMSSIEKA	K	I	M	E	K	A
INASNAVIT	RLDYLSGKI	ASNAVITK(	K	I	N	T	K	C
INATQEQS	LIKMNGGF	SGQDSLEK	R	I	N	E	K	L
IPDIDLIVIR	SLKGVKTRI	DIDLIVIREI	R	I	P	I	R	E
IPFSILYSR	GRGFATSR	PFSILYSRFA	R	I	P	S	R	F
IPLGQPAPI	DWEIGTIKI	TVGDFFFR'	K	I	P	F	R	V
IPLLGPTLEI	FQDTLYKKI	TPPEDKPN	K	I	P	P	N	-
IPSAVGYQI	EVSALLGRI	DMGLLQEI	R	I	P	E	R	I
IPVLYVQEC	LDIDKDFRI	VQEGNWA	R	I	P	A	K	A
IQDKEGIPF	TIDNVKSKI	GIPPDQQR	K	I	Q	Q	R	L
IQLEPTVYN	PIDVVKTRI	LEPTVYNK(	R	I	Q	N	K	G
IQQEQMG	EEEKEKIRI(	GGQTFTLK	R	I	Q	L	K	D
IQSVDAVS	PFDVVKSR	DAVSSAVK	R	I	Q	V	K	K
IREEQLAVF	DRPDVLAK	REEQLAVR	K	I	R	V	R	N
IREESSHHI	DLSLEKGRI	SHHDLQIK	R	I	R	I	K	E
IRLENEIQT	YQQLLDIKI	ENEIQTYRS	K	I	R	Y	R	S
IRSDPVLAK	EAAKVQQF	RSDPVLAK	R	I	R	A	K	K
IRVDKDPN	SRGDILVRI	KDPNFSIKN	R	I	R	I	K	N
ISANNHNIS	TLDDVLKKI	ANNHNISK	K	I	S	S	K	Y
ISIFYNDPV	MKAGTYPH	EKPIFNAKT	K	I	S	A	K	T
ISLDHDHVI	PKFYDKKRI	SLDHDHVK	R	I	S	V	K	V
ISSIQDILPA	LLLLSEKKIS	LEISNQSRF	K	I	S	S	R	R
ISTLAVK	SARDAPTK	KISTLAVKV	K	I	S	V	K	V
ISVPDGK	DNMRRLSH	KISVPDGKT	K	I	S	G	K	T

ISYKPASFIS	LLPEDTKRI	KPASFISKF	R	I	S	S	K	F
ISYLYEFLR	EYSPLLYRIS	SYLYEFLRS	R	I	S	L	R	S
ITEVAKPR	KWVRSKLK	ITEVAKPRT	K	I	T	P	R	T
ITGSTATQL	AKVISSLRIT	ATQLSSFKK	R	I	T	F	K	K
ITGSTATQL	AKVISSLRIT	TQLSSFKKF	R	I	T	K	K	R
ITHNFHMG	VEGIGLNRI	HNFHMGE	R	I	T	E	K	F
ITSTDPNAI	RNVFKDGK	DPNADYGI	K	I	T	G	K	N
IVAAEGVG	GAFDCLRK	EGVGSLFK	K	I	V	F	K	G
IVGEAITNF	NIVSGFGKI	EAITNHPKI	K	I	V	P	K	I
IVGLSELPK	GLIKSPIKIV	VGLSELPK\	K	I	V	P	K	V
IVGYDDLN	KRERDHNK	WYPEGIAK	K	I	V	A	K	I
IVNGFGSLI	GLNKKAPR	FGSLMGSK	R	I	V	S	K	E
IVTGPLYLP	TKKYKSVRI	TGPLYLPK	R	I	V	P	K	K
IVYYLDSPD	AMKPSQFK	GGVGYITK	K	I	V	T	K	D
IYPLPHMFI	QNESKQLK	LPHMFIVK	K	I	Y	V	K	D
IYQSAHDA	EDRRQSGK	SAHDAINR	K	I	Y	N	R	I
IYSVLPK	SFEKIVQKI'	KIYSVLPKK	K	I	Y	P	K	K
KAAFLGSE\	GTKPVLKK	AFLGSEVRI	K	K	A	V	R	L
KAEVILNEK	SEADTSVK	AEVILNEKE	K	K	A	E	K	E
KAPGQSTV	LSKVNKTKI	GLLAQLAK	K	K	A	A	K	Q
KDPIDNKFI	TGPLYLPK	DPIDNKFR\	K	K	D	F	R	V
KEEVPPVV	TQPPVQVK	EVPPVVQK	K	K	E	Q	K	T
KESNFLIDF	LPPAPAPKI	GVSAAVAK	K	K	E	A	K	T
KFVFNPPK	KWAGIKTR	VFNPPKPR	R	K	F	P	R	K
KGDKNTIV	QWDRRDII	TIVSSYNRN	K	K	G	N	R	N
KGEELEIVG	RVERGNLK	GHNSTPLK	K	K	G	L	K	T
KGLGNPLL'	QLYAITFRK	LLYDGVER\	R	K	G	E	R	V
KGPAPLNL	YDISGRIRK	AYEFDGDK	R	K	G	D	K	V
KGPAPLNL	YDISGRIRK	DGDKVIVG	R	K	G	V	G	-
KGSVTSVQ	QERITTTK	DATTVLSR	K	K	G	S	R	G
KHLWEER	GPDDNHQ	RKHLWEEF	R	K	H	E	R	I
KIAESLDAN	DLIIKRIRKI	VDSSNEGR	R	K	I	G	R	S
KIALPTRVE	LLQRTPGK	LPTRVEPK\	K	K	I	P	K	V
KIPLLGPTLI	KFQDTLYK	TPPEDKPN	K	K	I	P	N	-
KIPVGYSSN	YISDKNYR	SNDDEDTR	R	K	I	T	R	V
KIPVGYSSN	YISDKNYR	DDEDTRVK	R	K	I	V	K	M
KIVAAEGV	DGAFDCLR	EGVGSLFK	R	K	I	F	K	G
KIVADLKK	AVVSSNIK	KIVADLKK	K	K	I	K	K	G
KLDNPAIG	VQAISLFK	NPAIGPMF	K	K	L	M	R	K
KLNTNVIR	SRDIPYLKK	KLNTNVIR\	K	K	L	I	R	V
KLQESFK	QLMQDNE	KKLQESFK	K	K	L	F	K	E
KLSSYAQSI	IVLNMFEK	HLENTSIK	K	K	L	I	K	V
KLYCVYVA\	NNGSDESK	VYVAVGQI	K	K	L	Q	K	R
KMDEAEQ	EKAKISAK	EAEQLFYK	K	K	M	Y	K	N
KNPQEAYE	PDLETDIR	EAYEEEKK	R	K	N	K	K	T
KPADLASL	KPNGLSEK	GDEAPALK	K	K	P	L	K	L
KPIHADPP	GPIKSKLR	EILETGIKV\	R	K	P	I	K	V
KPMNEIEN	AKMRKEGI	EIQYVMLK	K	K	P	L	K	K
KPSISPTVG	RLFELTDR	ISPTVGHK\	R	K	P	H	K	Y
KPTLDDVL	DTEIDLSK	TLDDVLKK	K	K	P	K	K	I

KQLDSTVH	TPEFWRAK	TVHPDTGK	K	K	Q	G	K	T
KTPTQEEG	AISENNQK	NCATDSGK	K	K	T	G	K	N
KVAQNVEA	ALIASLWRI	GSTTIGAK\	R	K	V	A	K	Y
KVDATTITA	LRLKTMVK	DATTITAKT	K	K	V	A	K	T
KVSDVLNA	DFADARM	SDVLNASR	K	K	V	S	R	N
KVTAVVES	HPFDPVSK	VESPEGER	K	K	V	E	R	I
KWEEELKP	GFETGRIK	EELKPLGK\	K	K	W	G	K	V
KYAGILDCF	LKQGTLDR	AGILDCFKF	R	K	Y	F	K	R
KYAGILDCF	LKQGTLDR	GILDCFKRT	R	K	Y	K	R	T
KYDTAVKP	PGFDIVARI	VIDDATVK'	R	K	Y	V	K	V
KYEDEINKF	DLVEDYKK	YEDEINKRT	K	K	Y	K	R	T
KYLENCNP	SGFFGLQK	YLENCNPR	K	K	Y	P	R	D
KYVHFEAE	PKVVIFPRK	YVHFEAEK.	R	K	Y	E	K	A
LAADDFR	LLQIDNARI	RLAADDFR	R	L	A	F	R	L
LAADVPLE	PQTASTSK	VPLEPESKA	K	L	A	S	K	A
LAALTPGFS	EIFDLKNRL	EAALIAARS	R	L	A	A	R	S
LAAQIFGS\	SPNYFVAK	NAFEPASR	K	L	A	S	R	L
LAELIEQDK	DRGKALYR	IETLDNGKA	R	L	A	G	K	A
LAGAEEWT	PCHTRDIK	QNYHLSSK	K	L	A	S	K	M
LAGNASW	LAGVEAEK	WGELFSSK	K	L	A	S	K	T
LAGNASW	MAGIEAEK	WGELFSTK	K	L	A	T	K	T
LAGYLTGL\	GTVLEAAK	TGLVVTTR	K	L	A	T	R	I
LAHLEEINS	IEKERNGR	SEVNDLSK'	R	L	A	S	K	S
LAISLEHTG	EDEKLKEK	LEHTGIFKF	K	L	A	F	K	F
LALLESLGA	PDDTSLEK	SLGATVNK	K	L	A	N	K	V
LANPNFEK	NAPVYVTR	LANPNFEK	R	L	A	E	K	Q
LASYLDK	TMQNLND	RLASYLDK\	R	L	A	D	K	V
LASYLDKVF	TMQNLND	ASYLDKVR.	R	L	A	V	R	A
LAVQDPNF	YLRDIKSKL.	VQDPNFLK	K	L	A	L	K	L
LCVPVANC	LKSPVLSKL	FINLAGYK	K	L	C	Y	K	K
LCVPVANC	LKSPVLSKL	INLAGYKK	K	L	C	K	K	L
LDKFTDGG	SGLISSAKL	GLFTLFVR	K	L	D	V	R	D
LDSELKNM	QLKSDQSR	QDMVEDY	R	L	D	Y	R	N
LDSNNSSV	NYFDKALK	NSSVYYHR	K	L	D	H	R	G
LEATDYATI	KTGFKAVR	EATDYATR.	R	L	E	T	R	A
LEFANLTP	NTNNLQTK	ANLTPGLK	K	L	E	L	K	N
LEFANLTP	NTNNLQTK	SLTPGVAK'	K	L	E	A	K	S
LEGIDVFD	ARLELLGKL	TKPLDSSR	K	L	E	S	R	K
LELLGKLEG	DQETGLAR	TKPLDSSR	R	L	E	S	R	K
LENEIQTYF	QLLDIKIRL	ENEIQTYR'	R	L	E	Y	R	S
LENVVKPE	VGQGKSLK	NVVKPEIK	K	L	E	I	K	G
LETENDGV	VSLFGIYKL	DGVVGLVK	K	L	E	V	K	S
LETLDNQT	RNTGLTPK	TLDNQTM	K	L	E	M	R	N
LFAGMSPE	NIKPLTTRL	GMSPEMA	R	L	F	A	K	K
LFDPYEILG	AIKDAATK	ISTSASDR	K	L	F	D	R	D
LFGVEGTY/	AAAPPPVR	ALYQAAAK	R	L	F	A	K	N
LFHTVTR	LTDGTKVR	RLFHTVTR	R	L	F	T	R	C
LFLAQYR	KQVAGSLK	KLFLAQYR	K	L	F	Y	R	E
LFLGQGLIT	GSIEFVSKL	LGQGLITK\	K	L	F	T	K	Y
LFLNELGIY	GAVPNTIR	LGIYPSPKG	R	L	F	P	K	G

LFTLEDAK	GDIHTLGK	LFTLEDAK	K	L	F	A	K	I
LGAFNDFL	TRTGKRTR	DFLNSASR	R	L	G	S	R	Y
LGDASCAA	GDEAPALK	CAAPFTSK	K	L	G	S	K	L
LGEHNIDV	YKSRIQVR	EQFINAAK	R	L	G	A	K	I
LGEMIAR	ELATLQAR	RLGEMIAR	R	L	G	A	R	L
LGFYEPIR	QIGLNGSR	LGFYEPIR	R	L	G	I	R	S
LGHLLLNP	STVKKNPK	LNPALSLK	K	L	G	L	K	D
LGHLLLNP	STVKKNPK	PALSLKDR	K	L	G	D	R	N
LGIDVPSI	RLGEMIAR	HTPPTFHR	R	L	G	H	R	T
LGLGGGGL	TNIYNAER	AEVFPQHK	R	L	G	H	K	Y
LGLKFDDL	INLAGYKK	PIMQTALR	K	L	G	L	R	R
LGPISNLV	YLDKVESK	GPISNLVK	K	L	G	V	K	S
LGSDAYVV	KVGDLISR	SDAYVVSR	R	L	G	S	R	S
LGYHFGPS	ANHFGADI	AEAVMAPI	K	L	G	P	K	A
LHPLAGLD	GMHVDTA	HPLAGLDK	R	L	H	D	K	G
LHQLDGIP	EQKEQIKR	QLDGIPHA	R	L	H	H	A	-
LHSHDHKP	FHTVTRCR	SESSDWQ	R	L	H	Q	K	E
LIDVITK	_____	KLIDVITKV	K	L	I	T	K	V
LIELPLEER	IVLEDGTK	IELPLEERY	K	L	I	E	R	Y
LIKDPTSGK	LNYVEVQK	IKDPTSGK	K	L	I	G	K	V
LINASESTD	LLDENMM	NASESTDR	K	L	I	D	R	C
LIPFLEYLA	EADDKLVR	YLATQQTK	R	L	I	T	K	D
LIQMEDAT	NASYLEER	TDQIEVQK	R	L	I	Q	K	N
LKANEELL	KDKELEEK	NEELLQAK	K	L	K	A	K	H
LKDTVASF	GIPGKLVR	KDTVASFK	R	L	K	F	K	A
LKEFYAQE	SNWDLQK	EFYAQEER	R	L	K	E	R	E
LKNAVQNE	SPAINYTK	LELNFDAVK	K	L	K	V	K	D
LKNISPHSK	GLNNLVPR	KNISPHSK	R	L	K	S	K	L
LKPEYQEV	SILIEFHKLK	PEYQEVIK	K	L	K	I	K	E
LKYENEVA	RLAADDFR	YENEVALR	R	L	K	L	R	Q
LLANPETP	FGLFGLVR	LANPETPK	R	L	L	P	K	T
LLDAAVVG	DPLDSKSR	EHYDVASK	R	L	L	S	K	V
LLDNIQEY	ASRLQGIK	NHFSLSYK	K	L	L	Y	K	D
LLDTDTSM	LLEEGQLR	VPVDTHIR	R	L	L	I	R	F
LLEGEECR	VEIATYRK	LLEGEECR	K	L	L	C	R	M
LLEKDNQE	EKKSNLDR	NQEKEEAK	R	L	L	A	K	T
LLIDHLEK	KMQWHR	LLIDHLEK	K	L	L	E	K	L
LLIQNQDE	ASPIERVK	LQNQDEML	K	L	L	L	K	Q
LLLQSNYP	DAQAAFY	YPQYVVSR	K	L	L	S	R	F
LLQEVASK	KFENMGA	LLQEVASK	K	L	L	S	K	T
LLYHQVPS	LAIDHVQK	PSEIEGKR	K	L	L	K	R	T
LMDSNND	TSVSKVLK	DAVQTLQK	K	L	M	Q	K	L
LMNDILHL	SVLNETTK	HLIEILPKLI	K	L	M	P	K	L
LMSTTDLQ	ELDALNNK	GQLVAMQ	K	L	M	Q	R	K
LNDKQTGL	LSTNVEAK	NTNNLQT	K	L	N	T	K	L
LNDKQTGL	LSTNVEAK	ANLTPGLK	K	L	N	L	K	N
LNPVGVPN	WECGSVY	VPNDDHH	K	L	N	H	H	-
LNQVSALI	KVDATPGR	QVSALIQR	R	L	N	Q	R	E
LNSAPTLR	LYNDKLLK	LNSAPTLR	K	L	N	L	R	L
LNSASAVA	AIEYLKARL	YLQAFVSK	R	L	N	S	K	T

LNYGWDK	NDLSVSGR	LNYGWDK	R	L	N	K	K	N
LNYTGFQK	HDLAKFSR	LNYTGFQK	R	L	N	Q	K	I
LPEDESYA	IMQTALRR	PEDESYAR	R	L	P	A	R	A
LPLQDVYK	RPTDKPLR	LPLQDVYK	R	L	P	Y	K	I
LPPVLEDE	YQKLSETK	IDDETFHK	K	L	P	H	K	S
LPSTTIVIK	PWIEDLRR	PSTTIVIKF	R	L	P	I	K	F
LPTEDSEM	DTRRFTFK	LASALFAK	K	L	P	A	K	F
LQDVNSQ	PFELVKIRL	QDVNSQF	R	L	Q	F	K	T
LQGEIAHV	ELNRVIQR	QGEIAHVK	R	L	Q	V	K	K
LQGEIAHV	ELNRVIQR	GEIAHVKK	R	L	Q	K	K	Q
LQLGQLYE	ERAKSLLK	LGAEVLIK	K	L	Q	I	K	G
LQLLGAK	RGLLIDNK	KLQLLGAK	K	L	Q	A	K	G
LQQEDIDE	KIGLAQMK	EESADLAR	K	L	Q	A	R	T
LQTQLGQE	PYAVLEVK	QEPPEWVI	K	L	Q	V	R	E
LQVQGEEK	MAKDNSE	LQVQGEEK	K	L	Q	E	K	K
LQVQGEEK	MAKDNSE	QVQGEEKK	K	L	Q	K	K	S
LQVTTVR	AMSGEGE	KLQVTTVR	K	L	Q	V	R	D
LRDDTLPK	AFLGSEVR	LRDDTLPK	R	L	R	P	K	A
LRDDTYQR	DRLVKLGK	LRDDTYQR	K	L	R	Q	R	G
LREEVKGD	EVLEWLFK	EVKGDYSK	K	L	R	S	K	E
LRKPIHAD	ERGPIKSK	LEILETGIKV	K	L	R	I	K	V
LRPITSEQ	IEKLQRQR	ITSEQGSRL	R	L	R	S	R	L
LRPSEDNL	PLLKESIKL	LQLDGVDK	K	L	R	D	K	I
LRSEIDNV	ELNRVIQR	SEIDNVKK	R	L	R	K	K	Q
LRTDETLR	GTYFTYKK	LRTDETLR	K	L	R	L	R	L
LSAIESLAG	KKQAIVQK	VEILCSDKT	K	L	S	D	K	T
LSDYIPGPY	NPKKRPGK	YPNEQAAF	K	L	S	A	R	A
LSEFKSR	MIKDQIER	RLSEFKSRY	R	L	S	S	R	Y
LSEPVHK	GSSFDALK	KLSEPVHK	K	L	S	H	K	L
LSESLPNQ	ETVASNQR	SLPNQVFK	R	L	S	F	K	N
LSGGVAVI	KLQERLAK	SGGVAVIR	K	L	S	I	R	V
LSHNQQLA	IVGSQVFK	QLAQFNNI	K	L	S	N	K	N
LSINGIGK	RTHPNNIK	LSINGIGKD	K	L	S	G	K	D
LSLGEAFK	EVLIKGSK	LSLGEAFK	K	L	S	F	K	K
LSLGEAFK	EVLIKGSK	SLGEAFKK	K	L	S	K	K	I
LSNESQPL	LPQSVVNR	HDHSHESK	R	L	S	S	K	K
LSQTKEIK	RLISLYVK	LSQTKEIKA	K	L	S	I	K	A
LSSPATLN	DNDIMLIK	SPATLNSR	K	L	S	S	R	V
LTDFEVPI	EPISNETK	VPIDALERS	K	L	T	E	R	S
LTGLALK				L	T	L	K	
LTISVTDT	FTLKQWN	VTDTEVER	R	L	T	E	R	A
LTTNWNR	LWNAYWL	RLTTNWNI	R	L	T	N	R	L
LVEAPVEF	QSNNQVE	EAPVEFVR	K	L	V	V	R	E
LVEDGIR	GSRFGLSR	RLVEDGIR	R	L	V	I	R	K
LVEDGIRK	GSRFGLSR	LVEDGIRK	R	L	V	R	K	I
LVFHQSQA	WVTSYSNF	VFHQSQAK	R	L	V	A	K	F
LVGSDVGC	MPSLFQAF	SDVGQGPI	R	L	V	P	R	D
LVIFEDSK	YSCSNLEK	QLTPLLVK	K	L	V	V	K	L
LVIVGDGA	VGNSIRRK	VGDGACG	K	L	V	G	K	T
LVLEVAQH	EIKTPQGK	HLGENTVR	K	L	V	V	R	T

LVSQPQFA	PLEATRIRL'	GLVGGFSR	R	L	V	S	R	I
LVSTIYEVA	FPDYELFKL	VAPGVLTK	K	L	V	T	K	H
LVWIGSSD	FQNLNNAI	IGSSDFLKN	R	L	V	L	K	N
LWDQDIAI	VKAWAGK	EGLLDYMI	R	L	W	M	R	I
LWIQELER	EKAKMREI	LWIQELERI	K	L	W	E	R	R
LYHEFNYIR	IQEYASSKL	YHEFNYIRI	K	L	Y	I	R	D
LYPLATFHL	DLLPNIGKL	AQDFEGVI	K	L	Y	V	R	A
LYQLNEFL(	VTVDAGM	LNEFLGAK(	R	L	Y	A	K	G
LYTSNLQG	CRLQVNPK	TSNLQGFR	K	L	Y	F	R	K
MAFGGLKI	KKYIPGTKN	MAFGGLKI	K	M	A	K	K	E
MAQIPNFC	YLAKNFDK	AQIPNFQK	K	M	A	Q	K	N
MFHVDVA	ELGDGIPKI	MFHVDVA	K	M	F	A	R	K
MLDLQAF\	SLEPLGGRI	LDLQAFVR	R	M	L	V	R	R
MLTGDAV(	RHLGLRVK	GDAVGIAK	K	M	L	A	K	E
MMARPLT	RVISSTARN	SGFFGLQK	R	M	M	Q	K	K
MMMTSG(	PLDTVRRR	MTSGQAV	R	M	M	V	K	Y
MMMTSG(	PLDTVRRR	DGAFDCLR	R	M	M	L	R	K
MNAPQKP	LPDEVLTKI	DIPVATEKT	K	M	N	E	K	T
MNPQVSN	_____	LVMMQLS	-	M	N	S	R	R
MPSSFDVT	_____	SSFDVTERI	R	M	P	E	R	D
MQLQGEN	PIELIKIRM(	EMSASAAK	R	M	Q	A	K	V
MQLQVTTI	PLDVVKTR	MQLQVTTI	R	M	Q	T	K	G
MQLVPLEL	_____	LVPLELNRS	-	M	Q	N	R	S
MSGECAPI	LLEGEESRN	TISGGGSR(	R	M	S	S	R	G
MSNYLVQI	QNYHLSSK	LVQNYGTR	K	M	S	T	R	S
MSPPVYSD	_____	PVYSDISRN	-	M	S	S	R	N
MTHAKDD	KIDQLNWK	KDDSEVAR	K	M	T	A	R	L
MTLDDFR	LLDIDNTRN	RMTLDDFF	R	M	T	F	R	I
MYRSRNR	_____	_____	-	M	Y	N	R	P
NAENPISK	AYYQRKIRI	NAENPISKI	R	N	A	S	K	K
NAENPISKI	AYYQRKIRI	AENPISKKY	R	N	A	K	K	Y
NAGPVNVI	KKPLNLLKN	GPVNVEAK	K	N	A	A	K	V
NANQFNN	SLYKEFIKN	QFNNYNFF	K	N	A	F	R	E
NASYLEER	SVIDDYVRI	NASYLEERI	R	N	A	E	R	L
NAVQNES\	AINYTKLKN	ELNFDAVK	K	N	A	V	K	D
NAVQNES\	AINYTKLKN	FDAVKDFK	K	N	A	F	K	L
NCFDTAEE	TPLAPYFKN	DMNIEIIRN	K	N	C	I	R	N
NDPQTIEQ	VGCKVDLR	PQTIEQLR(	R	N	D	L	R	Q
NEETSGEG	VDEKGQGI	DKNEPSSK	K	N	E	S	K	S
NEFGSLSE\	KEDGKDKR	GSLSEYFRS	R	N	E	F	R	S
NELITSLTP(	ANLTPGLK	SLTPGVAK	K	N	E	A	K	S
NEPTHIICK	VLIQLVAKN	EPTHIICKI	K	N	E	C	K	I
NFAHQDPI	HYLTEDLRI	NFAHQDPI	R	N	F	P	R	I
NFDNPESG	IKTRIQNRN	DNPESGLR	R	N	F	L	R	I
NFLGSTTL/	GGKPHWA	LAAGPVKK	K	N	F	K	K	D
NFPVSPNY	MVPYVVKI	SPNYTAPK(	K	N	F	P	K	G
NFTFLESV	KTTMAANI	FTFLESVKI	R	N	F	V	K	H
NGNEYNEI	GIYWYWV\	YNEFLYSK/	K	N	G	S	K	A
NHEEEMKI	EELAYLKKN	EEEMKDLR	K	N	H	L	R	N
NIDISKPGA	LLEWVASK	SKPGADVK	K	N	I	V	K	C

NIFLSKENS NGVSNLW ENSAVAAK K	N	I	A	K	E
NIGSAPNA PPKVVSSKI GSAPNAKP K	N	I	K	R	I
NILGGTVFI KSPNGTIRI REPIVIPRIP R	N	I	P	R	I
NINDLLNK PVYSDISRN NINDLLNKI R	N	I	N	K	D
NIPSFLSTD GFLKDGVK STDNIGTRI K	N	I	T	R	E
NIQLSDLSS LQKSMSLK LSSSPLSKN K	N	I	S	K	N
NITWIAECI KSKEQEVR ECIAQNQR R	N	I	Q	R	E
NKLNDLED ENALKDAK QAKEDLAR K	N	K	A	R	L
NKYEDEINI QDMVEDY YEDEINKRT R	N	K	K	R	T
NLASPPNN DAVREKIRI PIYGLELKS R	N	L	L	K	S
NLDGYVVN DAIVETHKI GYVVNLLK K	N	L	L	K	V
NLDLDSIIA ILSMDNSR DSIIAEVKA R	N	L	V	K	A
NLDTTLYN WGSVSLLK NVVVVSPR K	N	L	P	R	N
NLDVEATE FYKNAETKI ATETGAPK K	N	L	P	K	E
NLFNTNET DQYQKIFKI NTNETTQK K	N	L	Q	K	I
NLHTHPVA LVHKSTGR PVAAPVSK R	N	L	S	K	T
NLILSDASK SLPNQVFK LILSDASKE K	N	L	S	K	E
NLILSDASK SLPNQVFK DASKENSR K	N	L	S	R	N
NLLENPVT DKKDLWW VTVQLVHR R	N	L	H	R	T
NLNDDKDI IIEKLSYKNL DKDFFDKR K	N	L	K	R	I
NLNEEYTSI EFNEEVFKI EYTSDEIKC K	N	L	I	K	Q
NLSDLYTVI QQLAKVNK SDLYTVLKT K	N	L	L	K	T
NLSLQTGTI LVNSIESKN TGTKPVLKI K	N	L	L	K	K
NLSLQTGTI LVNSIESKN GTKPVLKKI K	N	L	K	K	K
NMAEEFEY SHTNEEVR PDEQGNPI R	N	M	P	K	K
NMFDHFIV GFQRDSMI FMVLLDSR R	N	M	S	R	S
NMLTTSLM ETKESRFRN TTSLMSIRF R	N	M	I	R	R
NMQDMVI SRLDSELKN QDMVEDY K	N	M	Y	R	N
NNAAHIKC SSSTGYSKN IKQENTLRC K	N	N	L	R	Q
NNILFNSPF WLLNDTVK NSPFNEAR K	N	N	A	R	Y
NNTGDAN NPLKRLLKN NTEEAAAR K	N	N	A	R	S
NPQEAYEE DLETDIRKN EAYEEEKKT K	N	P	K	K	T
NPSGLPDS DAILQMDF SPLNDNSK R	N	P	S	K	I
NPTVENFIE GKATLLTRI EATNLLEKA R	N	P	E	K	A
NQVMDLY DMNDPIIR NQVMDLY R	N	Q	Y	R	R
NSAPGVAC WVVEIDKK APGVAQEF K	N	S	E	R	V
NSHIKPELI KSSDTVAR ELDALNNK R	N	S	N	K	L
NSSIDAAFC ALYQAAAK AAFQSLQK K	N	S	Q	K	V
NSVYMGSA YDTASRYKI LCPLEATRI K	N	S	T	R	I
NTIVSSYNF RDIKKGDK TIVSSYNRN K	N	T	N	R	N
NTLACICK CAMNIGGI NTLACICKI R	N	T	C	K	I
NTSVIDKIE SHYRSVLK DKIESYVKC K	N	T	V	K	Q
NVAAGCNI AIFTESVKN CNPMDLRI K	N	V	R	R	G
NVIFFVTDC RSASHKKK PASLSMAR K	N	V	A	R	S
NVIITLPHS RKPRAPMF ITLPHSSKV R	N	V	S	K	V
NVLIEQPFC ATLGPKGR EQPFGPPK R	N	V	P	K	I
NVQALEIEI SEITELRRN LQSQLALK R	N	V	L	K	Q
NVSTGDVN EEEMKDLR TQLLNNMI R	N	V	M	R	S
NVTMIDDL WGFSTATF DLIHFTLKC R	N	V	L	K	Q
NWAGIYSA FRKNYVFK IYSAKPERY K	N	W	E	R	Y

NYDEIYK	ERLSDIPKN	KNYDEIYKS	K	N	Y	Y	K	S
NYFLFTPLL	NVVVVSPR	PVGTIELKS	R	N	Y	L	K	S
NYSPYYNT	KGPAAIQK	DLTVGNNK	K	N	Y	N	K	T
NYVLSQLE	DASKENSR	DYLYYNKK	R	N	Y	K	K	S
PAATPNLS	KAPVASPR	AATPNLSK	R	P	A	S	K	D
PGFTAPTR	_____	GFTAPTRR	M	P	G	R	R	Q
PGVTLGVG	LAYKQLLR	GSSFDALK	R	P	G	L	K	L
PLTIASDP	STARMMA	SGFFGLQK	R	P	L	Q	K	K
PPLPQNYA	_____	PSNWDKFI	M	P	P	F	K	M
PQSFTSIAR	_____	QSFTSIARI	M	P	Q	A	R	I
PSTTNTAA	_____	AAANVIEK	M	P	S	E	K	K
QAGYGGS	KQTPTSTR	GSSSSILKL	R	Q	A	L	K	L
QAVITNEL	SILYNRTRC	ITGASSLG_	R	Q	A	L	G	-
QAVWYISY	AQLTEPEK	SYGEWGPI	K	Q	A	P	R	R
QDSYDLFL	NNWTDGP	RPHTASIKS	R	Q	D	I	K	S
QELGVPLK	LDELKDVR	EELFPSSS_	R	Q	E	S	S	-
QFNGLLDV	GSKSTSQR	NGLLDVYK	R	Q	F	Y	K	K
QFNGLLDV	GSKSTSQR	GLLDVYKK	R	Q	F	K	K	T
QGFSVDD\	EESLANKK	AQSLNCSR	K	Q	G	S	R	E
QGPVRPFI	PVPELDIKC	SAELASLRT	K	Q	G	L	R	T
QGVDADIN	FEMEQNLF	DADINGLR	R	Q	G	L	R	Q
QIAQQDA	FTNAVEAK	IAQQDAQF	K	Q	I	Q	R	A
QIIAGEGA	KGMVGSFI	YSIQGAFKF	K	Q	I	F	K	F
QIIENAGEE	KAITRPAK	EGSVIIGKL	K	Q	I	G	K	L
QISNLQQS	SEIDNVKK	SISDAEQR	K	Q	I	Q	R	G
QKEVDALF	QMKIQLEK	DALFEEEKI	K	Q	K	E	K	K
QKLPWAQ	IVSKLSERQ	AQLTEPEK	R	Q	K	E	K	Q
QKTQEFSQ	AQGVEISK	FSQMACEI	K	Q	K	E	K	T
QKVELAHE	ESEAFELKC	VELAHEAK	K	Q	K	A	K	A
QLGFFGSF	GLLAQLAK	SFAGLPTRI	K	Q	L	T	R	L
QLGLGTNI	GIAKETCR	TNIYNAERI	R	Q	L	E	R	L
QLIVAVNK	LAFTLGVR	QLIVAVNK	R	Q	L	N	K	M
QLLELQSQ	KRNDEARF	EVDFSHYR	R	Q	L	Y	R	S
QLLRPGVT	GIVTLAYK	GSSFDALK	K	Q	L	L	K	L
QLPVFQAF	PHIDEALK	PVFQAHIR	K	Q	L	I	R	K
QLQVIESFE	PVKIDASK	QVIESFEKF	K	Q	L	E	K	H
QMTNWGS	GVNAVAIR	QMTNWGS	R	Q	M	S	R	F
QNQYSPLA	ERLTQLLK	LDGIELSRI	K	Q	N	S	R	I
QPLVPYSF	DPFAMMS	FAPFFPTKF	K	Q	P	T	K	R
QPVKDGPL	IKFSLKAKQ	LSTNVEAK	K	Q	P	A	K	L
QQVVGEG	FDRINGVK	FLVPWLQK	K	Q	Q	Q	K	A
QSILACCQ	KNACESVK	ACCQESNK	K	Q	S	N	K	-
QSLELVNP	YKQLHSHR	GTVENLNK	R	Q	S	N	K	E
QSLGHGQI	GQHGSGSF	GQSPSPSR	R	Q	S	S	R	G
QSVEADIN	YENEVALR	ADINGLRR	R	Q	S	R	R	V
QTGLGLTQ	VEAKLNDK	NTNNLQTK	K	Q	T	T	K	L
QTGLGLTQ	VEAKLNDK	ANLTPGLK	K	Q	T	L	K	N
QTISNFFGF	DIVPPGKR	GFTSSFVR	R	Q	T	V	R	N
QTSNSTPA	TVPHENEK	PAPQNQIK	K	Q	T	I	K	E
QTVAVGVI	RFAVRDMI	TVAVGVIK	R	Q	T	I	K	S

QVLDNLTN	DADINGLR	LDNLTMEK	R	Q	V	E	K	S
QVQDFEEN	ATKKSVLK(	EENDHPNF	K	Q	V	N	R	V
QYEEAIFK				Q	Y	F	K	
RFDDESVQ	DAKRLIGRI	ESVQKDMI	R	R	F	M	K	T
RFPTPILK	_____	RFPTPILKV	K	R	F	L	K	V
RGANYDAI	ASWVPPSF	HDDKPLYK	R	R	G	Y	K	R
RGDVIVAD	SVLPAFTKF	QNALQLSR	K	R	G	S	R	S
RGNNYDLI	EGWIPSSR	HDDKPWY	R	R	G	Y	K	A
RGYQVYR	TFDHASIRF	RRGYQVYF	R	R	G	Y	R	E
RHLNDQPI	SQLAKAVR	DIVTIGDKI	R	R	H	D	K	I
RIANVVHF'	IGSAPNAK	ANVVHFYK	K	R	I	Y	K	S
RKPNPYDS	HIHQTLTRI	DSANIFSRI	R	R	K	S	R	I
RKPSIELR	GFQVYLAR	RKPSIELR_	R	R	K	L	R	-
RLDNVER	RTFVNEIRF	RRLDNVER	R	R	L	E	R	Q
RLEDAVLK	RKIDESIRR	RLEDAVLK(	R	R	L	L	K	Q
RLPEDESY/	PIMQTALR	PEDESYAR/	R	R	L	A	R	A
RLPSTTIVIK	SPWIEDLR	PSTTIVIKF(	R	R	L	I	K	F
RPLLIIAED\	LEISNQSRF	LAACILNKL	R	R	P	N	K	L
RPSHAISE(	DPMVRKSI	ISEGLNMK'	K	R	P	M	K	T
RPTHYNTS'	ETQFGITKF	NTSWDVA	K	R	P	A	K	F
RPVLNKGD	SYGEWGPI	GDSSFIAK(	R	R	P	A	K	G
RSDLRPEF/	LHPLVAPR	DLRPEFAE_	R	R	S	A	E	-
RSHGEVHY	EPVRTIARF	YDVDPENK	R	R	S	N	K	T
RSVHEPVQ	KAPGILPRF	EPVQTGLK	R	R	S	L	K	A
RTGYVSNE	ERLEKEGRI	GYVSNEER	R	R	T	E	R	I
RVISPEEDA	EEAPKVTKI	EEDAQTRK	K	R	V	R	K	Q
RWENALR	KQKVNEM	RRWENALI	R	R	W	L	R	V
SAAPEYTLF	PFYCIGFKS	AAPEYTLR'	K	S	A	L	R	T
SAEDQLYA	VAEQCPVK	QLYAITFRK	K	S	A	F	R	K
SAEDQLYA	VAEQCPVK	LYAITFRKG	K	S	A	R	K	G
SAELIGEAII	VRAQGEAK	LIGEAIKKSI	K	S	A	K	K	S
SAEMALVC	EKEEAIFRS	YIPQEISRD	R	S	A	S	R	D
SALEHNEV	MQSISPVK	ALEHNEVK	K	S	A	V	K	I
SASAGGVP	TVEITRHKS	QSSWSVFK	K	S	A	F	K	N
SASGINELC	ANITKTIKS/	INELQLHKL	K	S	A	H	K	L
SATESFVA'	KELLASLKS	TESFVATF_	K	S	A	T	F	-
SAVLNTTF'	SLTPGVAK'	TQPFFTAR	K	S	A	A	R	G
SCNCDLLL\	AQQQQQC	NCDLLLWF	K	S	C	W	R	N
SCPGFGNC	QREIQKAK	FGNCQCGI	K	S	C	G	R	H
SCQAQPTT	LSNTVPAK'	AQPTTMAI	K	S	C	A	R	H
SDEETLIYFI	TDTGVIHK'	YFDNVYAR	K	S	D	A	R	T
SDGVAGLY	DVYKKTLK'	DGVAGLYF	K	S	D	Y	R	G
SDIPPPPDC	QVTPPEHK	GALAIVTK'	K	S	D	T	K	T
SDLEMQYE	LDNLTMEK	EELMALKK	K	S	D	K	K	N
SDMSMMI	LLDYMRIR'	SDMSMMI	R	S	D	R	W	-
SEGIEFFAS	FVDSPLFK'	LGPDGIEKI	K	S	E	E	K	I
SEGWIPSSI	EEGVLPWK	EGWIPSSR	K	S	E	S	R	R
SEIPEHVIQ	LSADLAAR'	QLLDSLPKI	R	S	E	P	K	D
SEITELRR	IEQISSYKSI	SEITELRRN	K	S	E	R	R	N
SERPELTSA	WVKTILTK'	QNVVTGGI	K	S	E	G	R	A

SEYTDMLA	AKGYDASK	TGIIDPFKV	K	S	E	F	K	V
SFAAVIR	ELLNLTSRS	RSFAAVIRE	R	S	F	I	R	E
SFLQGWSN	LATYSGSKS	SLAGELSKD	K	S	F	S	K	D
SFSSLYK	_____	MSFSSLYK	M	S	F	Y	K	T
SGDAALVK	EDHPKFLK	SGDAALVK	K	S	G	V	K	F
SGEEPSEA	QAFVRRVK	EPSEAVDK	K	S	G	D	K	M
SGESSNSD	SSALSQQK	GKDDDVVI	K	S	G	V	K	S
SGGGGGG	FSSSYLSRS	LGSGGSIRS	R	S	G	I	R	S
SGGNWAN	DKFYGDHK	NSLGGSTK	K	S	G	T	K	F
SGIGIAGIG	GAAIGTAK	FKPELIMKS	K	S	G	M	K	S
SGLDQEQL	FVGWWM	DQEQLDAF	K	S	G	A	R	K
SGLDQEQL	FVGWWM	QEQLDARK	K	S	G	R	K	S
SGTLAPPL	GGQERGLF	AGFGEAAF	R	S	G	A	R	L
SGVGICAT	GAAYGTAK	LRPDLLFKN	K	S	G	F	K	N
SHFYPQGE	DLLMGGG	HFYPQGEK	R	S	H	E	K	A
SHINVVVIC	_____	IGHVDSGK	K	S	H	G	K	S
SHLQSNQL	EGMADLVI	PLDFALGK	K	S	H	G	K	S
SIIELEHYG	YMTREAPK	HYGVPFSR	K	S	I	S	R	T
SIIEPIVNFA	PVGTVDEK	PIVNFALKK	K	S	I	L	K	K
SINIALNSL	LGFEADRR	SDIDPDLKS	R	S	I	L	K	S
SINIALNSL	LGFEADRR	DLLPNIGKL	R	S	I	G	K	L
SIQPYLQR	TNFYQQYK	SIQPYLQRS	K	S	I	Q	R	S
SISISVAGG	LVGLGGTK	AAGGFGGI	K	S	I	G	R	G
SITIIPQDPT	VDLQRLRR	TLFSGTIKT	R	S	I	I	K	T
SIVAQFDA	SIGNEVLKS	AAELITQRE	K	S	I	Q	R	E
SIVDDAHR	RTIDLEVKS	SIVDDAHR	K	S	I	H	R	A
SKAEAESLY	QNEDIAQK	AESLYQSK	K	S	K	S	K	Y
SKEEAEALY	QYEEIAQR	AEALYHSK	R	S	K	S	K	Y
SKEFNEEVF	AEDGNSGK	EFNEEVFKI	K	S	K	F	K	N
SKELTTEID	AEAWFNEI	IEQISSYKSE	K	S	K	Y	K	S
SKIQDKEGI	SDTIDNVK	GIPPDQQR	K	S	K	Q	R	L
SKNANPW	LKSDEYLKS	GYSQVQSK	K	S	K	S	K	-
SKNPQTTP	HPEIIKGRS	TTPVNFTKI	R	S	K	T	K	R
SKPFFWGL	DYEFMNIR	FFWGDGD	R	S	K	D	K	T
SKPFFWGL	DYEFMNIR	FWNPVVN	R	S	K	N	R	H
SKPTVSQYI	QEQLDARK	KPTVSQYR	K	S	K	Y	R	L
SKTAPVSST	GPISNLVKS	PQTASTSKI	K	S	K	S	K	L
SLDFLNQSI	SLPGSTDK	NQSFIQQK	K	S	L	Q	K	A
SLDHSIAQA	DNGLEVLR	IAQAAINKE	R	S	L	N	K	E
SLDLDSIIAE	ILSMDNNR	DSIIAEVKA	R	S	L	V	K	A
SLHDSFASL	QTLQKLSK	FASDDSLRS	K	S	L	L	R	S
SLIYGYDQS	PYPGDFLK	ATPELTTRA	K	S	L	T	R	A
SLKLENVVI	SKLVGQGK	NVVKPEIK	K	S	L	I	K	G
SLLEGEGSS	ENEIQTYRS	GSSGGGGF	R	S	L	G	R	G
SLMLVTALI	RIHELLTKS	LVTALNPKI	K	S	L	P	K	I
SLNNQFAS	SREREQIKS	QFASFIDK	K	S	L	D	K	V
SLNNQFAS	SREREQIKS	ASFIDKVRF	K	S	L	V	R	F
SLPQGPAP	ANVVHFYK	QGPAPAIK	K	S	L	I	K	A
SLQDIIAILC	QETLQTYK	QDKLTVER	K	S	L	E	R	A
SLRPSFDEA	DVQPFIPK	DEAVSQGK	K	S	L	G	K	F

SLVGLGGT	GGGGFGSF	LVGLGGTK	R	S	L	T	K	S
SLVNLGGS	AGGGFGSF	LVNLGGSK	R	S	L	S	K	S
SLWDSSEK	DGVVGLVK	SEKDNSQK	K	S	L	Q	K	I
SLWDSSEK	DGVVGLVK	NSQKIEAK	K	S	L	A	K	K
SNHNELLT	SSFLSYLKS	NELLTEIRE	K	S	N	I	R	E
SNHNELLT	SSFLSYLKS	LLTEIREKG	K	S	N	E	K	G
SNKVSPED	DAKRSIAKS	MAGIEAEK	K	S	N	E	K	L
SNPLTFSR	LFSNDIIRS	SNPLTFSR	R	S	N	S	R	N
SNQNQSTS	YSGGAQFR	QSTSGILK	R	S	N	L	K	Q
SNSLSSDG	ARLNIGSK	NQDVEIGK	K	S	N	G	K	S
SNVNDNG	TSKGHVKK	DNGVNLEK	K	S	N	E	K	Q
SNYDHPNT	SYLYEFLRS	DHPNTVSK	R	S	N	S	K	S
SNYSLNPR	GEDDSAVK	SNYSLNPR	K	S	N	P	R	D
SPAQILQW	YAKPAAVR	LSNTVPAK	R	S	P	A	K	S
SPESYDKA	GLSNLYKR	KADESFTK	R	S	P	T	K	A
SPGEFQR	_____	RSPGEFQR	R	S	P	Q	R	Y
SPGVPDVI	VGGMGFS	NDALQLSK	R	S	P	S	K	-
SPPVYSDIS	_____	PVYSDISR	M	S	P	S	R	N
SPTFVGDL	GAFDLCLK	ISAGSISRY	K	S	P	S	R	Y
SPTGIVLM	NMQNAQK	MNMGGPS	R	S	P	S	K	V
SPYEPIVAE	NNRNSTER	AELLLEVKE	R	S	P	V	K	E
SQGDDINE	ETRKVLQK	LQFVDPVK	K	S	Q	V	K	V
SQYEQLAE	TQLLNNMI	EQLAEQNF	R	S	Q	N	R	K
SQYEQLAE	TQLLNNMI	QLAEQNRK	R	S	Q	R	K	D
SRDYVELK	LIGEAIKKS	SRDYVELK	K	S	R	L	K	R
SRDYVELK	LIGEAIKKS	RDYVELKR	K	S	R	K	R	L
SSAGFADK	DLVINYLKS	FADKIDGR	K	S	S	G	R	M
SSSIEFLLTS	IFNLNTVKS	FNTPAVQS	K	S	S	Q	S	-
SSYSCSNLE	EKTAEALK	YSCSNLEK	K	S	S	E	K	L
STFNQIAVI	LNDNSKIK	QIAVMDPK	K	S	T	P	K	M
STGVENSG	LVRFASTR	GAGPTSFK	R	S	T	F	K	T
STIALLLLR	VGPSGRGK	TIALLLLRY	K	S	T	L	R	Y
STLDREYIT	ELLGGTFK	DREYITLKA	K	S	T	L	K	A
STLGCPPTI	FGIYGSLKS	IEIGGGGH_	K	S	T	G	H	-
STMQELNS	GILTANEK	TMQELNSF	K	S	T	S	R	L
STQEVITFE	VVPGFNIK	ITFENLLKQ	K	S	T	L	K	Q
STSSFSCLS	VVSGGSRR	SSFSCLSRH	R	S	T	S	R	H
STVAQLVQ	YVAVGQKF	LEQHDAM	R	S	T	M	K	Y
STVETFISS	LLSSAGAK	ADVLAMA	K	S	T	A	K	V
SVEDFMA	MKEKKSTR	DFMAAMC	R	S	V	Q	R	V
SVEMHHE	AGVTTEVK	DNVGFNVI	K	S	V	V	K	N
SVHAVHSH	FNEKSVIK	SYDEEPYK	K	S	V	Y	K	I
SVHEPVQT	APGILPRR	EPVQTGLK	R	S	V	L	K	A
SVMQTDN	VYPLDVIK	TDNLQKPK	K	S	V	P	K	F
SVTKPVAP	FYSTDKSK	TDAPAKPK	K	S	V	P	K	E
SYAYFMVC	NNDADKG	LLSSAGAK	R	S	Y	A	K	S
SYFLFTPLL	NVSIISPR	PVGTVDEK	R	S	Y	E	K	S
SYPISEGPE	ELVKEVSK	PISEGPERA	K	S	Y	E	R	A
SYSNSVQW	YCTNYGTK	YSNSVQW	K	S	Y	W	R	V
SYTPTSLD	INGKDITR	TSLDGDTK	R	S	Y	T	K	G

SYVPLIAEE	ALTKEAFKS	LIAEEVYKY	K	S	Y	Y	K	Y
TAAENDFV	YEDEINKRT	NDFVTLKK	R	T	A	K	K	D
TAAQDIHE	KKHRSVQR	DIHETQLK	T	T	A	L	K	T
TAEELGEL\	RVALNIIKT	EELGELVR(	K	T	A	V	R	G
TAESTPLSA	TGNTVVLK	LSALYVSKY	K	T	A	S	K	Y
TAFKPHELT	ALADVLYK	ESVLPAAR\	K	T	A	A	R	Y
TAMGFGV(	VLSNMLVK	FTSVLFFKR	K	T	A	F	K	R
TAPVSSTA(	ISNLVKSKT	PQTASTSK(	K	T	A	S	K	L
TAQNLAEV	LQQKPVVK	TLIGPGAKE	K	T	A	A	K	E
TATQEGVI\	GILDCFKRT	EGVISFWR	R	T	A	W	R	G
TAVALDTIL	IGDRQTGK	LDTILNQKF	K	T	A	Q	K	R
TAVALDTIL	IGDRQTGK	DTILNQKR\	K	T	A	K	R	W
TCLLIVFSK	VGDGACG(	CLLIVFSKG	K	T	C	S	K	G
TDGSAPGL	GLETLYSRT	AGVSYLTR\	R	T	D	T	R	Y
TFESEAAH(	ILVTPDGKT	AAHGTVTF	K	T	F	T	R	H
TGDGDIEN	DATTITAKT	WATGNAP	K	T	G	P	R	E
TGDLAGTA	IASGPENR"	SFTEAVIKR	R	T	G	I	K	R
TGFILKPVF	IIKKHDKKT	LKPVFQVR	K	T	G	V	R	L
TGLHFGR	YTSHLSSKT	KTGLHFGR	K	T	G	G	R	L
TGNIVDVP	KEGELVKR"	VGPGLLGR	R	T	G	G	R	V
TGPIVYVQ(	_____	NADGIFFK(	M	T	G	F	K	L
TGYVSNEE	RLEKEGRR"	GYVSNEER	R	T	G	E	R	I
THEYQADA	FVMSLISRT	YQADAYAK	R	T	H	A	K	K
THFSYTK	GRMIDTGF	RTHFSYTK	R	T	H	T	K	R
TIAMDGTE	HLGENTVR	DGTEGLVR	R	T	I	V	R	G
TIAPITGTIK	_____	APITGTIKR	M	T	I	I	K	R
TIAPITGTIK	_____	PITGTIKRR\	M	T	I	K	R	R
TICVPVRVE	QIRAPPGK"	VPVRVEPK	K	T	I	P	K	V
TIDDLKNQ(	RDYSKYYK"	LLQIDNARI	K	T	I	A	R	L
TIDYEGVES	KDIMNDDI	LYQACVSR(	K	T	I	S	R	G
TIEKFEK	KCGGIDKR"	RTIEKFEKE.	R	T	I	E	K	E
TIEQSPSFG	EKPIFNAKT	EQSPSFGK(	K	T	I	G	K	F
TIEQSPSFG	EKPIFNAKT	DTDANVPF	K	T	I	P	R	D
TIFEAENIP(	KEITDSVRT	DWETINIK(	R	T	I	I	K	Q
TIIATGGYG	IHRFRAHK"	IATGGYGR.	K	T	I	G	R	A
TILTHNTSN	QSFPLVEK"	THNTSMYK	K	T	I	Y	K	F
TKEQGYFE(	PSKAKSNR"	YFEGNNSR	R	T	K	S	R	N
TKEVYDESI	KEKVNTEK"	DESMAQEI	K	T	K	E	K	S
TKPSNEDP(	RRKISTNKT	PQEINDQK	K	T	K	Q	K	S
TKPVGIIVP	CVYADQSK	PNHAPLTK	K	T	K	T	K	L
TKPVLDPK	FKFIIGPKT(	TKPVLDPK(	K	T	K	P	K	R
TKPYLDKV(	FSQMACEK	YLDKVESK(	K	T	K	S	K	L
TLAHCPVT(	RERAAKIR"	AHCPVTGK	R	T	L	G	K	D
TLANTAVV	SIVDELKKT	ANTAVVIR(	K	T	L	I	R	D
TLEDELEV"	VITIREGRT	LEVTEGMF	R	T	L	M	R	F
TLENEEEIK	RAELARMK	EEIKNLEKE	K	T	L	E	K	E
TLEQAEELF	QELFTKPK"	EELFGQVR	K	T	L	V	R	D
TLFWNPV\	FFWGDGD	FWNPVVN	K	T	L	N	R	H
TLGQDYDE	VQLPTIYRT	LGQDYDEF	R	T	L	E	R	V
TLKPESER	FSKMNNA(	TLKPESERS	K	T	L	E	R	S

TLKSDGVA	GLIDVYKKT	DGVAGLYF	K	T	L	Y	R	G
TLLDIDNTF	DLTVGNNK	LLDIDNTR	K	T	L	T	R	M
TLLEAIDAI	KAGVVKGK	RPTDKPLR	K	T	L	L	R	L
TLLEGEESR	DLEIATYRT	LLEGEESR	R	T	L	S	R	M
TLMSVCYK	VKSIIIRKTL	TLMSVCYK	K	T	L	Y	K	G
TLNPSFSEK	SDFSVNVK	LNPSFSEK	K	T	L	E	K	G
TLSDYNIQ	GKQLEDGF	LSDYNIQK	R	T	L	Q	K	E
TLTSSTMT	NKFWKQLI	SSTMTSIK	K	T	L	I	K	Y
TLVGVSHT	SLDRVAWF	SHTNEEVR	R	T	L	V	R	N
TLVILGSG	FPNGSKRK	WGSVSLLK	K	T	L	L	K	N
TMNKEWC	MAGGQDA	MNKEWQI	K	T	M	L	K	S
TNAENEFV	YEDEINKR	NEFVTIKK	R	T	N	K	K	D
TNEAAGD	LLQEVASK	TSATVLGR	K	T	N	G	R	A
TNKDDKLN	GIRKITGKT	DKLNPFEK	K	T	N	E	K	I
TNVVQSVL	NCMDCLD	LAQWVLQ	R	T	N	Q	K	E
TNYIQHDN	VSRHLSVR	DNGSVSTK	R	T	N	T	K	F
TPDLIASQ	EILVIPIRTP	IASQVSSRF	R	T	P	S	R	R
TPEEHETC	FHAFIVYRT	TCSQLVDR	R	T	P	D	R	M
TPHEIQEA	KPVFIRHR	SVDMSALK	R	T	P	L	K	D
TPHEIQEA	KPVFIRHR	DPQTDADF	R	T	P	D	R	V
TPIAGASP	ITEVAKPRT	MGIFQSLK	R	T	P	L	K	H
TPIEVVK	QDVNSQF	KTPIEVVK	K	T	P	V	K	N
TPNFDDVL	LASKSTYR	PNFDDVLK	R	T	P	L	K	E
TPNFDDVL	LASKSTYR	NNDADKG	R	T	P	G	R	S
TPQDILLR	VNLLYGNK	TPQDILLR	K	T	P	L	R	K
TPQDILLR	VNLLYGNK	PQDILLRK	K	T	P	R	K	E
TPTDDANA	MSWLFGD	GQDTTKPK	K	T	P	P	K	E
TPTQEEGC	ISENNQKK	NCATDSGK	K	T	P	G	K	N
TQEFSQM	GVEISKQK	FSQMACEF	K	T	Q	E	K	T
TQSQIEDF	RLKNQIVK	EDFKYNHK	K	T	Q	H	K	G
TQSSLDEG	QKDVSVFR	SSLDEGVR	R	T	Q	V	R	N
TRLESLDIP	ALYRFKLK	AGHHVAVI	K	T	R	V	R	V
TSQNSELN	LDGLTAER	DLVEDYKK	R	T	S	K	K	K
TTGTIDVM	KNFRLNER	MTIFTASR	R	T	T	S	R	S
TTLSEEEFE	SLDKNKPK	EEFENVVK	K	T	T	V	K	G
TTSTTLESE	SDLYTVLK	SELYAIAKE	K	T	T	A	K	E
TTSVWNPT	YFDNVYAR	LWYNLLLR	R	T	T	L	R	N
TTTDHISM	ILIKAVGKT	SMAGPWL	K	T	T	L	K	Y
TTYENVDL	AKSIEGFKT	NVDLVLIR	K	T	T	I	R	E
TVDAVLNA	PVIYGYAK	IVLGLITRR	K	T	V	T	R	R
TVDLSISTK	LIVELGDKT	VDLSISTKI	K	T	V	T	K	I
TVEEDHPIF	GAPLFVLK	VHENYENK	K	T	V	N	K	V
TVFIQELIN	FGGAGVGI	ELINNIAKA	K	T	V	A	K	A
TVIGEVLLE	KFKKEHGK	EQAYGGM	K	T	V	M	R	G
TYMGWW	_____	WGHMGG	K	T	Y	P	K	Q
VACFLER	GTLDSNGK	KVACFLERI	K	V	A	E	R	K
VAEEEERLE	RRWENALF	EEEERLEKE	R	V	A	E	K	E
VAEEQLNA	TSVGGLTK	EEQLNATR	K	V	A	T	R	T
VAEEQLSG	EATGQLTR	EEQLSGIKT	R	V	A	I	K	T
VAELASR	VHENYENK	KVAELASR	K	V	A	S	R	G

VAFTGSTA	TNHPKIKK\	TGSTATGR	K	V	A	G	R	H
VAIFPQGE\	VVKGLKRR	PQGEVDIK	R	V	A	I	K	F
VAIGEVPF	LPLPRDPR\	VPFTFGVR	R	V	A	V	R	T
VALNIIK	PAGSAKDR	RVALNIIKT	R	V	A	I	K	T
VALPIGIIAS	KLIDVITKV/	QYSMYDVI	K	V	A	V	K	G
VALTGLTIA	EPPGARAR	LTIAEYFRD	R	V	A	F	R	D
VALVFGQN	INLEGESKV	MNEPPGA	K	V	A	A	R	A
VAPGTQYN	EGQKIRIKV	IPNMGVPK	K	V	A	P	K	T
VAPTTGVV	DKKVILQK\	PTTGVVAK	K	V	A	A	K	Q
VAQYTVPV	_____	QYTVPVGK	M	V	A	G	K	A
VASHIPNLI	AKLNETLR\	ASHIPNLKI	R	V	A	L	K	I
VATLEQILV	TGVIARDK'	TLEQILWR\	K	V	A	W	R	V
VATVSLPR	SPATLNSR\	VATVSLPR	R	V	A	P	R	S
VDASSQSF	LKHIINNRV	VPDYYGEK	R	V	D	E	K	I
VDLLNQEIE	IKVELQSKV	NQEIEFLKV	K	V	D	L	K	V
VEFEKPLLL	ITDPKSSKV	PLLLLSEKK	K	V	E	E	K	K
VEFPVNIR	DARNKFLK	VEFPVNIRI	K	V	E	I	R	N
VELAHEAK	EAFELKQK\	VELAHEAK	K	V	E	A	K	A
VELALWDT	DVEVDGRF	AGQEDYDF	R	V	E	D	R	L
VETGVIKP	IGTVPVGR\	AGVTTEVK	R	V	E	V	K	S
VEVNLAAIF	ADVLAMAI	LAAIPLGKN	K	V	E	G	K	N
VFFANER	LPTRVEPK\	KVFFANER	K	V	F	E	R	T
VFGLNNIQ	AVGDGIAR	VEFSSGVK	R	V	F	V	K	G
VFVGNATP	RPGRIDYK\	ATPYQVEK	K	V	F	E	K	M
VGALLDVC	VGKSVLPR'	VTVIKDPKT	R	V	G	P	K	T
VGDGLLLIF	FISKALAKV	GDGLLLIRF	K	V	G	I	R	R
VGEDDQTE	TFGVSQIK\	INLIQGLRS	K	V	G	L	R	S
VGGASEVE	SGGVAVIR'	SEVEVGEK	R	V	G	E	K	K
VGGASEVE	SGGVAVIR'	EVEVGEKK	R	V	G	K	K	D
VGIEEGINK	KLLGYTPR\	GIEEGINKT	R	V	G	N	K	T
VGPAASWI	NSLQRNEK	VGPAASWI	K	V	G	W	K	T
VGPNLHGI	VEKGGPHK	NLHGIFGR	K	V	G	G	R	H
VGQSLSIVS	LNLTQLSK\	VSNDELSK/	K	V	G	S	K	A
VGSIVAEK	IFYTGSPRV	VGSIVAEK/	R	V	G	E	K	A
VHYQTTGF	FENEANWI	PEIAHQTK	K	V	H	T	K	G
VIDPSNNV	QEINGNKK	VNLDEVRK	K	V	I	R	K	V
VIEFLSANK	GSQVAVEK	EFLSANKKE	K	V	I	K	K	E
VIIIDTDPN	KLNRDLSK\	DTDPNSYK	K	V	I	Y	K	L
VILDNEALL	ILASSPNRV	LNTVVDAR	R	V	I	A	R	I
VINATPTM	VGETALSR\	IPPLILVRLC	R	V	I	V	R	L
VKEVQEQV	KHSEVFRR'	EQVQHTVF	R	V	K	V	R	L
VLAGTTDIF	FFLPWQGK	GTTDIPLKC	K	V	L	L	K	Q
VLAVGDGI	ANLNETGR	AVGDGIAR	R	V	L	A	R	V
VLDELTLTK	ADINGLRR'	LDELTLTKA	R	V	L	T	K	A
VLDEVVVD	TALVKASR\	VVDNFDQI	R	V	L	Q	K	L
VLDTGGPI	EGLVRGEK	PISVPVGRE	K	V	L	G	R	E
VLEHLHST/	EENDHPNF	TPLSLPTRC	R	V	L	T	R	G
VLFDDMVE	GGSIAMAF	ATTSQMAI	R	V	L	A	K	D
VLFDVSKE	QNVAETTK	ESEAFELKC	K	V	L	L	K	Q
VLGAEEFP\	ANQDQGV	PVQGEVVK	R	V	L	V	K	I

VLHRPEVL(	QMVSLTLR	LGLDYDER'	R	V	L	E	R	V
VLNNCFSY	YDLFEVQR'	PAPAVIEK/	R	V	L	E	K	A
VLPSIVNE\	LGQDYDEF	SIVNEVLKA	R	V	L	L	K	A
VLQQSISEI	GNPKFQEK	EIEQLLSKLI	K	V	L	S	K	L
VLSRPDVV	QMVNITCF	VQLPTIYRT	R	V	L	Y	R	T
VLTFQDFK	NSGDDSNF	VLTFQDFK'	R	V	L	F	K	T
VLTNYSR	QGKADGD	RVLTNYSR(	R	V	L	S	R	G
VLYDAEISC	NQEIEFLK\	ILSMDNSR	K	V	L	S	R	N
VMFFLPW(	DVRTSDGF	FFLPWQGI	R	V	M	G	K	V
VNDLPTAIF	KALRAARR	NDLPTAIR\	R	V	N	I	R	V
VNLLYGNK	ENPNDKTK	VNLLYGNK	K	V	N	N	K	T
VNLQISDG	WDKKNISK	SDFSVNVK	K	V	N	V	K	T
VNVFNINN	EGFSTLKK\	VFNINNNR	K	V	N	N	R	Y
VPIDGKQE'	AGHHVAVI	IDGKQEVR	R	V	P	V	R	Y
VPLCEPEEL	STPANYTR'	PGHLYQVK	R	V	P	V	K	S
VPLNTFQA	MKKMITAI	FQANYASR	K	V	P	S	R	T
VPSSDIVSR	VPDGVLMI	PSSDIVSRN	R	V	P	S	R	N
VPVGDQPI	VDLPGLTK'	DQPPDIER(	K	V	P	E	R	Q
VPVGGTPII	NGKKPLSR'	TPIKDNGK'	R	V	P	G	K	V
VQETLQTY	EHYDVASK	QETLQTYK(	K	V	Q	Y	K	S
VQSELGNP	LAKSVISRV	QSELGNPK	R	V	Q	P	K	F
VSDSGIVTL	ASSQVKAK	GIVTLAYK(	K	V	S	Y	K	Q
VSGNSFEFI	GHEVPSHR	NSFEFIQKL	R	V	S	Q	K	L
VSLQDIKDI	LLYDGVER'	DIKDFADK'	R	V	S	D	K	V
VSLQDIKDI	LLYDGVER'	FADKVYTK	R	V	S	T	K	E
VSNLNDA\	ARVGDNLF	VEEVVSLK(	R	V	S	L	K	G
VSNWYHQ	GLGLTTEK\	VSNWYHQ	K	V	S	Q	K	F
VSPEDPAV	RSIAKSNK\	MAGIEAEK	K	V	S	E	K	L
VSPGFDIV/	NCELYKNK'	PGFDIVARI	K	V	S	A	R	K
VTAVVESP	PFDPVSKK'	VESPEGER	K	V	T	E	R	I
VTIADDNE	LVVLPRYR\	DDNEDLNI	R	V	T	N	K	I
VTIDSNIM'	IPGDQSIR\	DSNIMYIR	R	V	T	I	R	E
VTLVEALPI	PELSKEIKV	NILNMFDK	K	V	T	D	K	Y
VTMQNLN	GLLSGNEK'	TMQNLND	K	V	T	D	R	L
VTSTSSAVI	APKANTPK	TDFQETFK	K	V	T	F	K	T
VVDALGNF	VGPGLLGR	LGNPIDGK	R	V	V	G	K	G
VVDALGNF	VGPGLLGR	GPIDAAGR	R	V	V	G	R	S
VVDLLAPY/	EILETGIKV\	DLLAPYAR(	K	V	V	A	R	G
VVDLLMG(	LGEYPLGR\	DLLMGGG	R	V	V	G	R	S
VVEILQNR	VFPQHKYR	VVEILQNR(	R	V	V	N	R	G
VVGFETGR	LKTRYLLKV	VVGFETGR	K	V	V	G	R	I
VVKPLPFLK	VRKVYIPK\	KPLPFLKKV	K	V	V	K	K	W
VVPVLTGL/	RVNKKGSK	ALASIFAKK	K	V	V	A	K	K
VVTADQGI	NKSDMETF	DQGEALAK	R	V	V	A	K	E
VVVPALEP	EMYLLNGK	VVPALEPR(	K	V	V	P	R	Q
VWWYPYT	WTSSEFIR\	VWWYPYT	R	V	W	T	R	K
VYTGFGAT	IANEGWKK	YSLQGAGK	K	V	Y	G	K	Y
VYTKENLE\	DIKDFADK'	VVEADLKR	K	V	Y	K	R	F
VYYNPSR	GGVAIPPR'	RVYYNPSR	R	V	Y	S	R	R
WELLQQVI	QNQVLQTI	QQVDTSTF	K	W	E	T	R	T

WENMPST AVMDLQSI EQQDIVSK R		W	E	S	K	L
WQGKPVF LGKNVVVK QGKPVFIRI K		W	Q	I	R	H
YAFEYAR DASERVIR\ RYAFEYAR/ R		Y	A	A	R	A
YAGILDCFK KQGTLDRK AGILDCFKF K		Y	A	F	K	R
YAGILDCFK KQGTLDRK GILDCFKRT K		Y	A	K	R	T
YAIYPHR DMGTHEIK KYAIYPHRC K		Y	A	H	R	G
YAKPLTAE HKPYVAFR PLTAETYKC R		Y	A	Y	K	Q
YAMALSYF ISAGSISRY/ MALSYFAK R		Y	A	A	K	D
YAPNLPR EVNDLSLR\ RYAPNLPR\ R		Y	A	P	R	V
YAWVLDK ELGKGSFK\ KYAWVLDI K		Y	A	D	K	L
YCAITGASI KYGAKTGK GASDGIGK K		Y	C	G	K	E
YDGAFDCL MTSGQAV DGAFDCLR K		Y	D	L	R	K
YDGAFDCL MTSGQAV GAFDCLRK K		Y	D	R	K	I
YDNIPEHA FKAVLEGK\ GIEDVVAK/ K		Y	D	A	K	A
YDYAVAEC ESVLPAAR\ VAEQCPVK R		Y	D	V	K	S
YEALDKDP LKAKTIAKY EALDKDPK K		Y	E	P	K	T
YECLQPSG ASAQFFLK\ LQPSGSFK\ K		Y	E	F	K	S
YEELQITAC AESLYQSK\ ELQITAGRI K		Y	E	G	R	H
YEELQQTA AESWYQTI ELQQTAGF K		Y	E	G	R	H
YEEQTTNH NPYAPGLR PVAIVGAR R		Y	E	A	R	E
YEKEFDEA\ TFEEFTAR\ YDLFEVQR\ R		Y	E	Q	R	V
YENEVALR AADDFRLK YENEVALR(K		Y	E	L	R	Q
YEQQVTQC TLYMNGKI EQQVTQQ K		Y	E	Q	K	A
YEYSDFINI IGYQWYW LLEEGQLRI K		Y	E	L	R	L
YFPTQALN GNTANVIR QALNFAFK R		Y	F	F	K	D
YFPTQALN GNTANVIR LNFAFKDK R		Y	F	D	K	I
YFPTQALN GNTANVIR FAFKDKIKA R		Y	F	I	K	A
YFQPSSIDE IYSAKPERY DEVVELVK R		Y	F	V	K	S
YGIIQFPNA DDGESEIR\ EEVSLVIKS R		Y	G	I	K	S
YGTIIDIFPF EIYSLFRRY(AANNNVA R		Y	G	A	K	V
YHIEEEGSR VILLENLRY HIEEEGSRI R		Y	H	S	R	K
YIPIQYVLSI FFSDKIAKY PIQYVLSRY K		Y	I	S	R	Y
YIPQAGIPP LSALYVSKY NIVSGFGKI K		Y	I	G	K	I
YKESLSPET YSSKQLQK\ ESLSPETRE K		Y	K	T	R	E
YKESPEFK EWEEEFIK\ YKESPEFKL K		Y	K	F	K	L
YKVENEDC IRVFEALKY VENEDQYK K		Y	K	Y	K	A
YLAPAYK GFTGLVAK KYLAPAYKI K		Y	L	Y	K	D
YLAPAYKD GFTGLVAK YKDFADAR K		Y	L	A	R	M
YLCEVNK TLVPESPR\ RYLCEVNK\ R		Y	L	N	K	V
YLCEVNKV TLVPESPR\ VNKVEDAK R		Y	L	A	K	R
YLCEVNKV TLVPESPR\ NKVEDAKF R		Y	L	K	R	S
YLDGLTAEI GYIDSLKR\ LDGLTAER\ R		Y	L	E	R	T
YLENCNPR GFFGLQKK YLENCNPR K		Y	L	P	R	D
YLPDASSQ\ VNIEFATR\ PDASSQVK R		Y	L	V	K	A
YLVDYAQD NILNMFDK QDLFKEEK K		Y	L	E	K	I
YLWDTLNA YSKETIEKY WDTLNAG K		Y	L	G	R	V
YNDLGALA ENNFKPFK\ LAYLGSER/ K		Y	N	E	R	A
YQVTVIDA LWKFETPK VIDAPGHR K		Y	Q	H	R	D
YRVTIADDI NPLVVLPR\ DDNEDLNI R		Y	R	N	K	I
YSILYNR NAGDMIN RYSILYNRT R		Y	S	N	R	T

YSNDELK	HLSAQSQK	KYSNDELK	K	Y	S	L	K	A
YSTLPSAN	KKWDKQN	TLPSANSK	K	Y	S	S	K	D
YTDTLRDP	HSHRIHHR	RDPYDARR	R	Y	T	R	R	G
YTGKPNPS	VKQPSIGR	KPNPSTGK	R	Y	T	G	K	Y
YTNPLFMC	GFMHLYLK	MQSISPVK	K	Y	T	V	K	S
YTVSFIEGD	KPNPSTGK	GIGPEISKS	K	Y	T	S	K	S
YVECSALTC	ARELKAVK	ECSALTQR	K	Y	V	Q	R	G
YVEPGNAN	KNDMTTM	AMSGEGEI	K	Y	V	E	K	L
YVEPGNAN	KNDMTTM	KLQVTTVR	K	Y	V	V	R	D
YWVHPDN	NFVRQTTK	PDNITELK	L	K	Y	W	L	K	L
YYETVGK	LSGSDVCK	KYYETVGK	A	K	Y	Y	G	K	A
YYQNNWT	DFLNSASR	NNWTDGP	R	Y	Y	P	R	Q

A Count	R Count	N Count	D Count	C Count	Q Count	E Count	G Count	H Count
2	2	0	2	0	0	0	0	0
2	1	0	0	0	0	1	1	0
2	0	0	1	0	0	0	0	0
3	0	1	0	0	1	2	0	0
3	1	1	0	0	0	1	0	0
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3	0	1	0	0	2	0	1	1
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5	0	4	2	0	1	0	2	0
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1	2	0	0	0	0	3	1	0
1	0	0	2	0	1	1	3	0
1	1	0	0	0	0	1	4	1
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4	0	0	1	0	0	1	1	0
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1	0	1	0	0	0	4	1	0
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1	0	0	0	0	1	1	0	1
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2	1	0	0	1	0	3	0	2
3	1	0	2	0	0	0	1	0
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4	0	1	1	0	0	2	0	0
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3	0	0	2	0	0	1	1	2
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3	1	0	0	0	0	0	2	0
2	0	0	0	0	0	2	1	1
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3	0	1	2	0	0	3	3	1
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3	0	2	0	0	0	2	1	0
1	0	0	0	0	0	5	2	1
1	0	1	2	0	0	1	1	0
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0	0	2	2	0	1	3	2	1
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0	0	0	2	0	1	0	1	0
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0	1	1	1	0	0	0	1	1
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0	0	1	1	0	0	1	1	0
2	1	5	1	0	2	1	5	1
1	0	1	1	0	5	5	1	1
0	0	1	1	0	1	0	1	0
0	1	1	3	0	1	1	3	1
0	1	1	2	0	0	0	0	2
0	0	2	1	0	0	1	1	0
0	0	2	1	0	0	1	1	0
0	1	1	1	0	1	0	1	0
2	1	0	2	0	0	0	0	2
1	1	0	1	0	1	1	0	0
1	0	0	2	0	0	0	0	0
0	1	0	3	0	0	1	1	0
6	1	1	1	0	2	2	1	0
0	0	1	1	0	0	0	2	0
3	0	0	2	0	2	0	4	0
0	1	0	1	0	1	0	0	0
1	1	1	5	0	2	1	0	0
0	0	1	2	0	2	0	0	0

1	1	0	1	0	0	0	1	0
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I Count	L Count	K Count	M Count	F Count	P Count	S Count	T Count	W Count
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0	0	1	0	1	0	1	1	0
0	0	2	1	0	0	1	1	0
1	0	2	0	0	2	1	1	0
2	1	2	0	0	3	0	2	0
0	1	2	0	0	2	0	1	0
0	1	3	0	0	1	1	1	0
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0	2	0	0	1	0	0	1	0
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2	3	1	0	0	3	1	2	0
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0	1	2	0	1	1	0	1	0
1	2	0	0	0	1	0	1	0
1	2	1	0	0	1	0	1	0
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0	4	0	0	0	1	1	3	2
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1	3	1	0	1	0	0	0	0
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2	1	1	0	0	1	1	0	1
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0	3	2	0	2	0	2	1	0
0	1	1	0	1	1	0	0	0

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2	3	1	0	0	0	3	0	0
1	2	0	0	0	2	1	1	0
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3	2	0	1	0	0	4	2	0
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1	2	1	1	1	1	3	1	0
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1	0	1	0	0	1	0	0	0
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0	1	1	0	0	0	0	0	1
2	0	1	0	0	0	1	1	0
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1	1	1	0	0	0	0	1	0
1	1	0	0	0	0	1	0	0

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0	0	2	0	0	2	1	2	0
1	1	1	1	1	2	2	1	0
3	0	1	0	1	1	2	1	0
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0	0	1	1	0	1	1	0	0
0	1	1	1	0	1	1	2	0
1	1	1	0	0	1	0	1	1
0	0	1	0	0	0	0	1	0
0	0	0	0	0	1	0	1	1

Y Count	V Count	U Count	Length	Missed cle	Mass	Proteins	Leading ra	Start positi
0	0	0	8	1	928,509	sp|P06779	sp|P06779	154
0	1	0	9	0	948,5029	sp|P07256	sp|P07256	242
0	2	0	7	0	748,4119	sp|P50085	sp|P50085	227
0	0	0	11	0	1198,656	sp|P33421	sp|P33421	60
2	1	0	10	0	1168,588	sp|P32366	sp|P32366	267
0	1	0	8	0	757,4698	sp|P54783	sp|P54783	172
0	0	0	22	1	2288,285	sp|P38885	sp|P38885	163
1	2	0	10	0	1060,567	sp|Q12452	sp|Q12452	274
0	1	0	16	0	1605,909	sp|P07143	sp|P07143	167
0	1	0	20	0	2114,068	sp|P32843	sp|P32843	734
0	0	0	11	1	1169,604	sp|P40215	sp|P40215	261
0	2	0	17	0	1580,877	sp|P19882	sp|P19882	427
0	0	0	9	0	1083,502	sp|P38244	sp|P38244	834
1	0	0	18	0	2095,04	CON__P13	CON__P13	267
1	0	0	19	1	2223,135	CON__P13	CON__P13	267
1	0	0	10	0	1124,535	CON__P04	CON__P04	367
0	0	0	13	0	1366,625	sp|P40961	sp|P40961	216
1	0	0	17	0	2081,958	CON__P13	CON__P13	423
1	0	0	7	0	826,3974	sp|P42949	sp|P42949	20
0	1	0	12	0	1479,762	sp|P48439	sp|P48439	123
0	0	0	8	0	908,4604	sp|P16622	sp|P16622	208
0	0	0	23	0	2466,2	sp|P23644	sp|P23644	91
0	0	0	9	1	989,5546	sp|Q08179	sp|Q08179	370
1	0	0	9	0	1115,525	sp|P38169	sp|P38169	351
0	3	0	13	0	1293,657	sp|P32843	sp|P32843	492
0	0	0	27	1	2532,096	sp|P42949	sp|P42949	123
0	0	0	10	0	1031,514	sp|P32386	sp|P32386	822
0	1	0	18	0	1770,864	sp|P13181	sp|P13181	45
0	0	0	10	0	975,441	sp|P60010	sp|P60010	19
1	1	0	30	0	3265,587	sp|Q00711	sp|Q00711	274
0	1	0	7	1	727,4956	sp|P33892	sp|P33892	1748
0	0	0	8	1	958,4832	sp|P08525	sp|P08525	84
0	2	0	12	1	1201,594	sp|Q02776	sp|Q02776	64
0	2	0	14	0	1419,69	sp|P00830	sp|P00830	210
0	1	0	9	0	1002,586	sp|P25045	sp|P25045	2
0	0	0	13	0	1551,827	sp|P00128	sp|P00128	78
0	1	0	11	0	1056,582	sp|P40215	sp|P40215	505
1	2	0	33	2	3492,735	sp|P53199	sp|P53199	156
0	0	0	11	0	1198,565	sp|P38626	sp|P38626	167
0	0	0	8	0	946,5488	sp|P32563	sp|P32563	318
0	2	0	23	1	2467,369	sp|P30624	sp|P30624	176
0	1	0	12	0	1306,797	sp|P00890	sp|P00890	440
2	0	0	9	0	1213,592	sp|P00410	sp|P00410	119
0	1	0	14	0	1272,704	sp|P12684	sp|P12684	723
0	0	0	7	0	832,4477	sp|Q00711	sp|Q00711	337
0	1	0	15	2	1701,853	sp|P25340	sp|P25340	2
1	1	0	10	1	1188,625	sp|P04385	sp|P04385	394
0	2	0	17	2	1780,968	sp|P04840	sp|P04840	45
1	2	0	14	1	1450,803	sp|P04840	sp|P04840	235

0	0	0	9	0	1005,488	sp|P43585	sp|P43585	94
0	1	0	12	0	1300,651	CON__P02	CON__P02	135
0	0	0	18	0	1966,912	sp|P39103	sp|P39103	53
1	0	0	12	0	1380,641	CON__P13	CON__P13	166
1	0	0	10	1	1162,623	sp|P07213	sp|P07213	158
1	0	0	10	0	1160,546	sp|P21825	sp|P21825	55
0	0	0	10	2	1207,645	sp|Q1248(	sp|Q1248(	233
0	1	0	10	0	1118,608	sp|P39986	sp|P39986	345
0	0	0	9	0	886,4872	sp|P00890	sp|P00890	148
1	1	0	15	0	1719,916	sp|P39968	sp|P39968	51
1	1	0	12	0	1512,678	sp|P00127	sp|P00127	93
1	0	0	14	0	1640,802	sp|P22855	sp|P22855	214
1	0	0	13	2	1504,738	sp|P18239	sp|P18239	113
0	0	0	16	1	1735,801	sp|P40098	sp|P40098	229
0	0	0	7	0	777,4021	sp|P40961	sp|P40961	160
0	1	0	24	1	2710,331	sp|P40961	sp|P40961	160
1	0	0	16	2	1810,947	sp|P07213	sp|P07213	88
0	0	0	13	0	1380,689	sp|P07256	sp|P07256	129
0	0	0	14	1	1508,784	sp|P07256	sp|P07256	129
0	0	0	9	1	978,5975	sp|P38992	sp|P38992	31
0	0	0	14	0	1491,678	sp|P22855	sp|P22855	924
0	2	0	17	0	1907,963	sp|P00401	sp|P00401	494
0	0	0	7	0	722,4439	sp|P07251	sp|P07251	170
0	1	0	15	0	1452,83	sp|P23641	sp|P23641	248
0	0	0	14	0	1507,872	sp|P38885	sp|P38885	171
0	0	0	13	0	1466,723	sp|P39109	sp|P39109	1036
0	1	0	20	0	2407,076	sp|P38631	sp|P38631	792
0	2	0	17	0	1893,021	sp|P40548	sp|P40548	64
2	1	0	20	0	2203,141	sp|P00128	sp|P00128	96
0	0	0	11	0	1195,656	sp|P40970	sp|P40970	195
2	0	0	12	0	1525,716	sp|Q0535(	sp|Q0535(	51
0	1	0	13	0	1482,804	sp|P32191	sp|P32191	130
0	1	0	13	0	1457,736	sp|P07251	sp|P07251	40
0	1	0	13	0	1441,764	sp|P32843	sp|P32843	153
1	0	0	9	0	1106,536	CON__P35	CON__P35	360
0	1	0	10	1	1158,676	sp|P32340	sp|P32340	343
0	1	0	7	0	718,4014	sp|P32843	sp|P32843	178
1	1	0	18	1	1762,958	sp|P33892	sp|P33892	2040
0	1	0	14	0	1438,814	sp|P00560	sp|P00560	109
2	0	0	12	0	1335,614	sp|P23641	sp|P23641	194
1	1	0	14	0	1566,706	sp|P32191	sp|P32191	212
0	0	0	11	0	1136,546	sp|Q0469(	sp|Q0469(	385
3	2	0	21	1	2431,268	sp|P07257	sp|P07257	91
0	1	0	8	0	881,4243	sp|P17255	sp|P17255	507
0	0	0	9	0	980,5655	sp|Q0535(	sp|Q0535(	143
0	1	0	19	1	2179,051	sp|P04840	sp|P04840	206
1	1	0	14	0	1619,831	sp|P38353	sp|P38353	56
0	2	0	14	0	1578,757	sp|P40075	sp|P40075	100
0	2	0	10	0	1009,592	sp|P07251	sp|P07251	189
0	1	0	10	1	1036,603	sp|P00890	sp|P00890	452

0	2	0	15	0	1296,704	sp|P0CX54	sp|P0CX54	17
0	1	0	9	0	887,4614	sp|P39540	sp|P39540	36
0	1	0	10	0	1053,546	sp|P28834	sp|P28834	325
0	2	0	8	0	944,508	sp|P05626	sp|P05626	187
2	4	0	27	1	2963,474	sp|P00830	sp|P00830	476
2	2	0	22	0	2443,162	sp|P46367	sp|P46367	308
0	2	0	15	0	1644,895	sp|P50085	sp|P50085	160
1	3	0	21	0	2290,163	sp|P07256	sp|P07256	259
1	2	0	16	0	1781,847	sp|P39003	sp|P39003	41
1	2	0	14	1	1549,799	sp|Q0817	sp|Q0817	322
1	0	0	10	1	1277,677	sp|P40215	sp|P40215	453
1	1	0	10	1	1220,64	sp|P00427	sp|P00427	123
0	0	0	9	0	1191,495	sp|P21801	sp|P21801	236
0	0	0	16	1	1804,863	sp|P54783	sp|P54783	359
1	1	0	9	1	1054,512	sp|P38694	sp|P38694	72
0	0	0	10	0	1152,552	sp|P32568	sp|P32568	117
0	0	0	10	0	1311,563	sp|P31382	sp|P31382	384
0	0	0	14	0	1504,741	sp|P38077	sp|P38077	169
3	2	0	16	0	1870,935	sp|P07257	sp|P07257	96
0	0	0	17	2	1879,828	sp|Q0388	sp|Q0388	89
1	0	0	19	1	2233,029	sp|P49573	sp|P49573	201
0	0	0	9	0	1015,53	sp|P32563	sp|P32563	344
1	1	0	9	1	1085,539	sp|P07257	sp|P07257	174
0	1	0	11	0	1265,64	sp|P36060	sp|P36060	245
1	1	0	16	0	1742,836	sp|P07256	sp|P07256	100
1	1	0	21	0	2267,086	sp|P04840	sp|P04840	20
2	0	0	10	0	1249,525	sp|P39007	sp|P39007	606
0	3	0	13	0	1332,708	sp|P32843	sp|P32843	137
0	1	0	11	0	1129,562	sp|P04840	sp|P04840	51
1	1	0	10	0	1160,557	sp|P13181	sp|P13181	111
0	1	0	9	0	993,5356	sp|P07257	sp|P07257	45
1	1	0	10	0	1180,576	sp|P04039	sp|P04039	32
1	2	0	40	0	4039,984	sp|P40961	sp|P40961	248
1	2	0	29	0	3263,507	CON__P35	CON__P35	340
0	0	0	8	0	907,44	sp|P14020	sp|P14020	176
0	0	0	20	2	2250,085	sp|P19414	sp|P19414	513
0	1	0	11	1	1330,674	sp|P39727	sp|P39727	340
0	1	0	11	1	1249,63	sp|P53721	sp|P53721	106
1	1	0	13	2	1540,789	sp|P53721	sp|P53721	106
0	0	0	8	1	1010,493	sp|P07213	sp|P07213	104
0	0	0	12	1	1348,685	sp|P53075	sp|P53075	477
0	1	0	12	1	1470,82	sp|P32563	sp|P32563	194
1	2	0	10	1	1069,493	sp|P30624	sp|P30624	691
0	0	0	10	0	1197,497	sp|Q0371	sp|Q0371	14
2	0	0	26	0	2877,368	sp|P38077	sp|P38077	241
0	0	0	13	0	1425,75	sp|P38631	sp|P38631	1249
0	2	0	23	0	2271,211	sp|P32331	sp|P32331	28
0	1	0	10	0	1174,638	sp|P40961	sp|P40961	86
0	1	0	25	1	2833,398	sp|P30902	sp|P30902	117
2	1	0	14	0	1742,852	sp|P21801	sp|P21801	132

1	0	0	10	0	1167,629	sp|P32568	sp|P32568	285
0	2	0	12	0	1261,615	sp|P07257	sp|P07257	291
0	2	0	13	1	1389,71	sp|P07257	sp|P07257	291
1	0	0	16	0	1732,9	sp|P36060	sp|P36060	281
0	2	0	18	0	1890,994	sp|P54781	sp|P54781	24
0	1	0	18	0	1870,866	sp|P32843	sp|P32843	53
0	0	0	13	0	1531,675	sp|P39727	sp|P39727	148
0	0	0	7	1	893,4355	sp|Q0535	sp|Q0535	171
0	1	0	9	1	1064,507	sp|P30902	sp|P30902	166
0	2	0	14	1	1595,827	sp|P09457	sp|P09457	83
1	1	0	15	0	1666,868	sp|P32563	sp|P32563	28
0	0	0	12	0	1296,61	sp|P07256	sp|P07256	324
1	0	0	14	0	1609,747	sp|P30624	sp|P30624	620
1	0	0	11	0	1237,546	sp|P25618	sp|P25618	227
1	0	0	10	0	1305,482	sp|P54783	sp|P54783	467
0	0	0	8	0	919,4498	sp|Q9919	sp|Q9919	14
1	0	0	14	0	1517,736	sp|P32803	sp|P32803	80
0	1	0	8	0	979,4433	sp|P32799	sp|P32799	46
0	1	0	16	1	1791,919	sp|P38353	sp|P38353	395
1	1	0	9	0	998,4379	CON__P04	CON__P04	290
0	2	0	9	0	1073,535	sp|P32191	sp|P32191	266
1	1	0	13	0	1591,804	sp|P23644	sp|P23644	73
1	1	0	9	0	1085,562	sp|P00163	sp|P00163	71
0	1	0	8	0	942,5175	sp|P32476	sp|P32476	290
0	1	0	13	2	1559,831	sp|Q0277	sp|Q0277	337
0	1	0	17	0	2117,911	sp|P07143	sp|P07143	250
0	1	0	18	1	2246,006	sp|P07143	sp|P07143	250
0	0	0	12	1	1516,705	sp|Q0277	sp|Q0277	134
1	1	0	9	0	1050,535	sp|P04385	sp|P04385	376
1	1	0	10	0	1194,515	sp|P29704	sp|P29704	226
1	0	0	8	1	993,488	sp|P19414	sp|P19414	646
1	3	0	31	0	3416,689	sp|P04840	sp|P04840	175
1	1	0	9	1	1150,562	sp|P40215	sp|P40215	295
1	1	0	7	1	921,492	sp|P50085	sp|P50085	264
0	2	0	11	0	1151,63	sp|P32191	sp|P32191	610
0	1	0	19	0	2002,923	sp|P40215	sp|P40215	93
2	1	0	13	0	1552,731	sp|P07251	sp|P07251	329
0	0	0	18	1	2051,051	sp|Q0494	sp|Q0494	89
0	1	0	9	0	1065,436	sp|P47075	sp|P47075	385
0	3	0	15	1	1666,916	sp|P32191	sp|P32191	409
1	0	0	13	1	1733,71	sp|Q0071	sp|Q0071	588
1	0	0	17	0	1890,94	sp|P23641	sp|P23641	163
1	1	0	13	0	1659,742	sp|P00427	sp|P00427	59
0	0	0	7	0	889,4294	sp|P81450	sp|P81450	39
1	0	0	8	0	979,4763	sp|Q0302	sp|Q0302	75
0	0	0	14	0	1480,622	sp|P21801	sp|P21801	89
0	0	0	11	0	1145,604	sp|P07256	sp|P07256	89
0	0	0	15	0	1449,67	sp|P07560	sp|P07560	197
0	1	0	16	0	1700,822	sp|P04037	sp|P04037	53
1	1	0	22	0	2397,055	sp|P00410	sp|P00410	214

1	2	0	30	1	3234,551	sp|P00410	sp|P00410	214
0	0	0	8	0	921,4668	sp|P19414	sp|P19414	669
0	1	0	12	0	1325,746	sp|P02994	sp|P02994	135
0	0	0	9	0	1059,52	sp|P00425	sp|P00425	45
0	0	0	7	0	774,4123	sp|P38264	sp|P38264	91
1	0	0	7	0	850,4549	sp|Q1202	sp|Q1202	49
0	0	0	9	0	1059,52	sp|P40215	sp|P40215	243
0	2	0	24	0	2456,203	sp|P19882	sp|P19882	158
0	1	0	12	1	1417,694	sp|P00128	sp|P00128	116
1	0	0	10	1	1254,625	sp|P07255	sp|P07255	45
0	0	0	11	1	1198,667	sp|P31382	sp|P31382	51
2	0	0	19	0	2324,151	sp|P07213	sp|P07213	425
0	1	0	11	0	1394,647	sp|P32563	sp|P32563	305
0	1	0	14	1	1589,849	sp|P38626	sp|P38626	195
0	1	0	10	0	1087,613	sp|P38077	sp|P38077	105
0	1	0	22	1	2339,252	sp|P38077	sp|P38077	105
0	1	0	28	2	3203,62	sp|P30902	sp|P30902	114
0	0	0	9	0	1212,49	sp|P40086	sp|P40086	337
0	0	0	9	1	1051,603	sp|P04385	sp|P04385	20
0	0	0	15	0	1625,826	sp|P32843	sp|P32843	645
0	0	0	8	0	946,4607	sp|Q0371	sp|Q0371	148
1	0	0	17	0	1995,964	CON__P13	CON__P13	346
1	0	0	18	0	2161,134	sp|P10614	sp|P10614	354
0	3	0	13	0	1402,782	sp|P47075	sp|P47075	443
1	2	0	14	0	1636,813	sp|P46367	sp|P46367	498
0	1	0	17	0	1829,941	sp|P40341	sp|P40341	438
0	3	0	16	0	1743,853	sp|P07257	sp|P07257	183
0	3	0	17	1	1899,954	sp|P07257	sp|P07257	183
2	0	0	16	0	1905,865	sp|P38244	sp|P38244	254
0	0	0	8	0	933,4304	sp|P25574	sp|P25574	269
0	1	0	12	0	1388,657	sp|P54783	sp|P54783	499
1	0	0	16	0	1835,843	sp|P21560	sp|P21560	126
2	1	0	13	0	1662,796	sp|P22146	sp|P22146	425
0	2	0	16	0	1816,834	sp|P32386	sp|P32386	964
0	0	0	10	0	1079,55	sp|P07257	sp|P07257	70
0	3	0	17	0	1566,737	sp|P40319	sp|P40319	318
0	0	0	10	1	1157,64	sp|Q00711	sp|Q00711	484
0	0	0	8	0	907,4321	sp|P32799	sp|P32799	35
0	0	0	14	0	1636,736	sp|P01123	sp|P01123	171
0	2	0	19	0	1968,003	sp|P18239	sp|P18239	20
0	1	0	9	0	1066,614	sp|P0CH0	sp|P0CH0	64
0	1	0	8	0	891,4549	sp|P30902	sp|P30902	106
0	1	0	12	0	1274,635	sp|P00830	sp|P00830	236
0	0	0	7	0	837,4232	sp|P02994	sp|P02994	171
0	1	0	17	0	1755,832	sp|P07251	sp|P07251	436
0	1	0	8	0	921,4556	sp|P06780	sp|P06780	174
1	2	0	12	1	1477,778	sp|P32803	sp|P32803	145
0	3	0	9	0	1115,576	sp|P08466	sp|P08466	298
0	3	0	15	0	1646,852	sp|P40075	sp|P40075	166
0	3	0	9	0	983,5288	sp|P40075	sp|P40075	157

0	1	0	7	0	826,48	sp|P17255	sp|P17255	349
0	3	0	18	0	1668,905	sp|P25087	sp|P25087	336
1	1	0	11	0	1267,557	sp|P53736	sp|P53736	70
1	0	0	9	0	1172,492	sp|Q99297	sp|Q99297	97
0	0	0	12	0	1307,636	sp|Q04935	sp|Q04935	47
0	3	0	23	0	2316,161	sp|P23641	sp|P23641	20
1	0	0	9	0	1069,519	sp|Q08179	sp|Q08179	115
0	0	0	7	0	826,4225	CON__P35	CON__P35	195
0	1	0	9	1	1081,592	CON__P35	CON__P35	195
0	0	0	17	0	1974,972	sp|P00128	sp|P00128	45
0	0	0	7	0	892,4542	sp|P02994	sp|P02994	370
0	1	0	11	0	1275,61	sp|P38077	sp|P38077	230
0	0	0	8	0	1061,42	sp|P34248	sp|P34248	149
1	0	0	13	0	1517,715	sp|P23641	sp|P23641	100
0	0	0	8	0	1010,482	sp|P07257	sp|P07257	223
0	1	0	10	1	1265,652	sp|P07257	sp|P07257	223
0	0	0	20	0	2063,006	sp|P07213	sp|P07213	223
0	0	0	14	0	1463,708	sp|P38694	sp|P38694	572
1	1	0	8	0	945,4596	sp|P23641	sp|P23641	91
1	1	0	9	1	1073,555	sp|P23641	sp|P23641	91
0	2	0	21	0	2238,253	sp|P38626	sp|P38626	60
2	0	0	7	0	904,4443	sp|P31382	sp|P31382	99
0	1	0	19	0	2098,944	sp|P32568	sp|P32568	811
0	2	0	15	0	1499,835	sp|P07257	sp|P07257	233
0	0	0	12	0	1442,745	sp|P32563	sp|P32563	143
1	1	0	14	1	1598,809	sp|P04385	sp|P04385	36
0	1	0	16	0	1731,892	sp|P36148	sp|P36148	122
1	1	0	14	0	1531,756	sp|P32317	sp|P32317	406
0	0	0	10	1	1182,596	sp|P32799	sp|P32799	33
0	0	0	15	1	1613,743	sp|Q08548	sp|Q08548	586
0	1	0	12	0	1422,667	sp|P54783	sp|P54783	160
0	0	0	7	0	905,4607	CON__Q92	CON__Q92	182
0	1	0	12	0	1474,778	CON__P35	CON__P35	204
0	2	0	24	1	2931,509	CON__P04	CON__P04	200
0	0	0	8	0	1077,513	sp|P00410	sp|P00410	244
0	0	0	10	0	1065,622	sp|P19414	sp|P19414	677
0	2	0	18	0	1907,019	sp|P00830	sp|P00830	446
0	1	0	8	0	933,4808	sp|P39986	sp|P39986	149
0	0	0	9	0	1140,531	sp|P07257	sp|P07257	54
2	3	0	18	0	2026,989	sp|P07257	sp|P07257	351
1	0	0	7	0	913,4545	sp|P37299	sp|P37299	51
1	0	0	8	1	1041,55	sp|P37299	sp|P37299	51
1	0	0	16	0	1898,941	sp|P32843	sp|P32843	204
0	2	0	15	0	1531,825	sp|Q99297	sp|Q99297	40
2	0	0	11	1	1504,695	sp|Q3E776	sp|Q3E776	82
0	1	0	16	0	1834,91	sp|P42940	sp|P42940	39
0	0	0	14	0	1571,773	sp|P38694	sp|P38694	81
0	0	0	16	0	1874,937	sp|P21147	sp|P21147	376
0	0	0	17	1	2003,032	sp|P21147	sp|P21147	376
0	2	0	20	0	2112,071	sp|P38244	sp|P38244	726

0	0	0	20	0	1764,727	CON__P04	CON__P04	46
1	0	0	13	0	1234,521	CON__P35	CON__P35	47
0	2	0	12	0	1445,709	sp|P17255	sp|P17255	356
0	1	0	12	0	1371,719	sp|P07257	sp|P07257	279
0	1	0	14	0	1434,747	sp|P00830	sp|P00830	294
0	1	0	14	0	1475,787	sp|P07257	sp|P07257	200
0	1	0	9	1	1100,613	sp|P07143	sp|P07143	300
0	5	0	12	1	1359,758	sp|P54781	sp|P54781	133
1	2	0	20	1	2310,118	sp|P02994	sp|P02994	402
0	3	0	20	0	2112,162	sp|P00410	sp|P00410	177
0	0	0	8	0	922,4582	sp|P04840	sp|P04840	125
0	0	0	12	0	1053,582	sp|P39925	sp|P40341	383
1	0	0	10	0	993,5131	sp|P40215	sp|P40215	495
0	0	0	8	0	859,4334	sp|P18239	sp|P18239	287
0	0	0	16	1	1844,891	sp|P31382	sp|P31382	467
0	0	0	8	0	823,4076	sp|P00424	sp|P00424	90
1	2	0	11	0	1247,676	sp|P46367	sp|P46367	143
0	3	0	18	0	1856,873	sp|P05030	sp|P05030	254
0	1	0	13	0	1349,621	sp|Q00711	sp|Q00711	304
0	2	0	28	2	3037,312	sp|P32843	sp|P32843	608
0	0	0	8	0	877,448	sp|P32331	sp|P32331	280
1	0	0	12	0	1383,708	sp|P19882	sp|P19882	219
1	4	0	13	0	1404,813	sp|P18239	sp|P18239	192
0	2	0	14	0	1253,6	CON__P35	CON__P35	21
3	0	0	31	0	2382,945	CON__P04	CON__P04	519
2	0	0	32	0	2704,154	CON__P35	CON__P35	64
0	1	0	10	0	999,5601	sp|P09457	sp|P09457	182
1	0	0	23	0	1740,741	CON__P35	CON__P35	556
2	0	0	40	0	3222,274	CON__P35	CON__P35	580
2	0	0	23	0	1790,72	CON__P35	CON__P35	491
1	0	0	15	0	1196,542	CON__P35	CON__P35	587
1	1	0	20	0	1587,676	CON__P35	CON__P35	610
0	2	0	12	0	1223,626	sp|P43557	sp|P43557	64
0	2	0	8	0	926,5338	sp|P36060	sp|P36060	116
1	1	0	11	0	1402,642	sp|P25618	sp|P25618	940
1	0	0	21	1	2329,149	sp|P19414	sp|P19414	605
0	0	0	8	0	827,4865	sp|P32332	sp|P32332	193
0	0	0	8	0	844,4841	sp|P25379	sp|P25379	40
0	2	0	14	1	1437,842	sp|P07251	sp|P07251	397
1	1	0	17	0	1772,92	sp|P00830	sp|P00830	371
0	0	0	12	0	1255,685	sp|Q03028	sp|Q03028	83
1	0	0	12	1	1305,693	sp|P07257	sp|P07257	311
0	1	0	26	1	2510,432	sp|P38325	sp|P38325	100
1	2	0	11	1	1254,661	sp|P47075	sp|P47075	310
0	2	0	11	0	1202,666	sp|P32340	sp|P32340	363
0	0	0	12	0	1269,65	sp|P38077	sp|P38077	115
0	0	0	13	0	1465,705	sp|Q3E776	sp|Q3E776	105
0	1	0	12	0	1238,698	sp|P30624	sp|P30624	164
1	0	0	25	0	2493,355	sp|P38286	sp|P38286	203
0	0	0	7	0	771,4491	sp|P40215	sp|P40215	404

0	0	0	14	1	1494,913	sp|P40215	sp|P40215	404
0	0	0	13	1	1322,792	sp|P21801	sp|P21801	249
0	1	0	19	0	2254,152	sp|P13181	sp|P13181	524
0	2	0	19	0	2230,098	sp|P39003	sp|P39003	518
1	1	0	17	0	1697,935	sp|Q12482	sp|Q12482	585
3	0	0	8	0	977,4607	sp|P00163	sp|P00163	100
0	2	0	20	0	2072,073	sp|P07251	sp|P07251	98
0	1	0	7	0	724,3578	sp|P23641	sp|P23641	55
0	1	0	8	0	918,5175	sp|P38626	sp|P38626	103
1	2	0	18	0	2007,958	sp|P23644	sp|P23644	29
1	2	0	22	1	2313,189	sp|P08067	sp|P08067	194
0	0	0	12	0	1202,579	sp|P12684	sp|P12684	975
0	0	0	8	0	755,3926	sp|P07251	sp|P07251	156
1	0	0	19	0	1927,841	CON__Q8(	CON__Q8(	572
1	0	0	16	0	1583,708	CON__Q8(	CON__Q8(	1038
1	0	0	16	0	1879,816	sp|Q00711	sp|Q00711	120
0	1	0	16	1	1819,911	sp|P32843	sp|P32843	390
0	0	0	19	0	1746,767	CON__Q8(	CON__Q8(	430
1	0	0	13	0	1427,678	sp|P19882	sp|P19882	372
0	0	0	19	0	1706,765	CON__P13	CON__P13	41
1	1	0	32	0	3313,637	sp|P32340	sp|P32340	374
0	0	0	12	0	1266,551	sp|P38244	sp|P38244	605
1	3	0	17	1	1845,959	sp|P36060	sp|P36060	99
0	0	0	10	1	1227,636	sp|P32843	sp|P32843	185
0	1	0	14	2	1526,784	sp|P22855	sp|P22855	66
2	0	0	20	0	1739,698	CON__P35	CON__P35	531
1	1	0	14	0	1602,841	sp|P32368	sp|P32368	257
0	0	0	15	0	1652,758	sp|P38694	sp|P38694	380
1	1	0	14	0	1497,71	sp|P37298	sp|P37298	49
0	0	0	9	0	1037,514	sp|P47075	sp|P47075	598
0	1	0	12	0	1213,619	sp|P09457	sp|P09457	138
1	2	0	21	0	2197,128	sp|P18239	sp|P18239	295
1	2	0	22	1	2325,223	sp|P18239	sp|P18239	295
0	2	0	16	0	1525,835	sp|P19882	sp|P19882	40
1	1	0	25	0	2747,35	sp|P32897	sp|P32897	67
1	1	0	10	0	1179,534	sp|P10614	sp|P10614	137
1	1	0	14	2	1638,957	sp|P32843	sp|P32843	756
0	1	0	13	0	1360,622	sp|P07251	sp|P07251	55
0	2	0	12	0	1171,693	sp|P16603	sp|P16603	653
1	1	0	10	1	1237,624	sp|P38244	sp|P38244	287
2	0	0	16	0	1723,744	sp|P19414	sp|P19414	533
1	2	0	18	0	1806,882	sp|P05030	sp|P05030	626
1	1	0	11	0	1272,671	sp|P07251	sp|P07251	300
0	0	0	10	0	1141,552	sp|P40008	sp|P40008	19
0	1	0	12	0	1490,741	sp|P32843	sp|P32843	394
0	0	0	21	1	2325,971	sp|P38325	sp|P38325	7
0	1	0	11	0	1269,62	sp|P07256	sp|P07256	216
1	1	0	13	0	1574,763	sp|P31382	sp|P31382	106
0	0	0	13	1	1628,795	sp|Q12029	sp|Q12029	56
1	0	0	26	0	2476,014	CON__Q8(	CON__Q8(	1365

0	0	0	13	1	1410,747	sp|P17695	sp|P17695	118
0	0	0	12	1	1419,747	sp|P40341	sp|P40341	513
1	0	0	11	0	1157,619	sp|P46367	sp|P46367	275
1	1	0	12	1	1425,711	sp|P13181	sp|P13181	109
1	0	0	9	0	1113,52	sp|P33767	sp|P33767	377
0	1	0	16	0	1748,869	sp|P38077	sp|P38077	131
0	0	0	10	0	1123,57	sp|Q04697	sp|Q04697	156
0	0	0	14	0	1646,791	sp|P46971	sp|P46971	344
0	1	0	27	2	3060,432	sp|P08067	sp|P08067	120
2	0	0	17	1	1867,87	sp|P00044	sp|P00044	45
0	1	0	13	0	1425,678	sp|P21147	sp|P21147	470
0	0	0	7	0	898,4661	sp|Q00711	sp|Q00711	601
0	1	0	7	0	871,4552	sp|P47075	sp|P47075	303
0	2	0	12	1	1337,73	sp|P40970	sp|P40970	514
2	1	0	15	0	1797,789	sp|P02992	sp|P02992	112
0	0	0	11	0	1091,389	sp|P22289	sp|P22289	56
0	0	0	8	0	869,5586	sp|P14020	sp|P14020	184
0	1	0	10	1	1122,676	sp|P40046	sp|P40046	15
1	2	0	9	0	1089,597	sp|Q06405	sp|Q06405	30
0	3	0	14	0	1394,85	sp|P46367	sp|P46367	202
0	2	0	15	0	1455,75	sp|P33311	sp|P33311	471
0	2	0	15	0	1688,899	sp|P38694	sp|P38694	490
0	1	0	17	0	1782,926	sp|P09457	sp|P09457	121
1	4	0	17	0	1797,04	sp|P40970	sp|P40970	478
0	1	0	7	0	758,4538	sp|P07256	sp|P07256	410
0	1	0	15	1	1676,794	sp|P40970	sp|P40970	118
0	1	0	15	0	1643,776	sp|P11491	sp|P11491	329
0	1	0	20	0	1975,956	sp|P38703	sp|P38703	28
0	0	0	9	0	1075,57		REV__sp|P0CZ17|ASP	
1	0	0	10	0	1195,561	sp|P32368	sp|P32368	104
2	1	0	14	0	1612,85	sp|P32368	sp|P32368	175
0	2	0	15	0	1631,837	sp|P05626	sp|P05626	142
0	1	0	8	0	855,5066	sp|P00410	sp|P00410	236
0	0	0	8	0	972,524	CON__P35	CON__P35	400
0	0	0	10	0	1210,548	sp|P54781	sp|P54781	274
0	0	0	12	1	1547,825	sp|P10174	sp|P10174	11
0	1	0	21	0	2108,138	sp|Q04013	sp|Q04013	219
0	0	0	8	0	872,4967	sp|P38626	sp|P38626	126
1	0	0	13	0	1518,761	sp|P07251	sp|P07251	498
0	1	0	11	0	1245,635	sp|Q2V2P9	sp|Q2V2P9	24
0	1	0	12	1	1401,737	sp|Q2V2P9	sp|Q2V2P9	24
0	1	0	12	1	1269,729	sp|P14906	sp|P14906	403
0	2	0	11	0	1024,603	sp|P02994	sp|P02994	254
0	1	0	11	0	974,5549	sp|P00830	sp|P00830	186
1	0	0	20	2	2235,165	sp|P30624	sp|P30624	119
0	1	0	12	1	1322,708	sp|P33767	sp|P33767	362
1	0	0	8	1	936,528	sp|P36147	sp|P36147	173
0	0	0	13	1	1395,787	sp|P38264	sp|P38264	138
0	1	0	9	0	1008,524	sp|P38992	sp|P38992	81
0	1	0	10	1	1164,625	sp|P38992	sp|P38992	81

0	1	0	19	0	2015,105	sp|P47127	sp|P47127	112
0	0	0	8	2	985,6172	sp|P36112	sp|P36112	283
1	0	0	18	0	1728,941	sp|P40150	sp|P40150	174
0	1	0	12	0	1366,746	sp|P00830	sp|P00830	128
0	1	0	16	1	1761,999	sp|P00830	sp|P00830	128
0	0	0	20	0	2282,173	CON__P00	CON__P00	78
0	0	0	12	1	1451,726	sp|P21801	sp|P21801	73
0	0	0	13	2	1607,827	sp|P21801	sp|P21801	73
0	1	0	9	2	1096,66	sp|P30624	sp|P30624	228
1	0	0	7	1	994,5124	CON__P13	CON__P13	178
0	0	0	9	1	985,5669	sp|P39727	sp|P39727	208
0	1	0	15	1	1601,801	sp|P07251	sp|P07251	53
0	0	0	8	1	912,528	sp|P30902	sp|P30902	142
0	0	0	8	0	856,4767	sp|P50085	sp|P50085	280
1	0	0	11	0	1250,603	sp|Q04697	sp|Q04697	338
0	0	0	9	0	943,5339	sp|P25379	sp|P25379	296
0	0	0	10	0	1166,681	sp|P32563	sp|P32563	334
0	0	0	19	1	2164,2	sp|P32563	sp|P32563	334
1	0	0	20	1	2245,204	sp|P23641	sp|P23641	160
0	0	0	12	1	1355,802	sp|P33333	sp|P33333	213
0	0	0	17	0	1854,021	sp|P20107	sp|P20107	293
1	1	0	9	0	1033,581	sp|Q04458	sp|Q04458	8
0	0	0	12	0	1321,636	sp|Q07349	sp|Q07349	359
1	0	0	10	0	1248,646	sp|P36112	sp|P36112	424
0	0	0	11	0	1323,678	sp|P53721	sp|P53721	3
1	0	0	16	0	1875,923	sp|P19414	sp|P19414	65
0	0	0	7	0	806,4208	sp|P40215	sp|P40215	254
0	1	0	10	0	1029,582	sp|P32843	sp|P32843	831
0	0	0	15	0	1646,775	sp|Q08023	sp|Q08023	120
0	1	0	10	0	1165,707	sp|P28834	sp|P28834	131
1	0	0	9	0	1094,612	sp|P38631	sp|P38631	1436
0	1	0	17	0	1889,968	sp|P14906	sp|P14906	573
0	0	0	19	1	2082,063	sp|P37299	sp|P37299	59
1	1	0	21	0	2259,157	sp|P00830	sp|P00830	308
1	2	0	13	0	1515,809	sp|P40341	sp|P40341	281
0	0	0	13	1	1522,774	sp|P0CH09	sp|P0CH09	30
1	1	0	10	0	1203,65	sp|P23641	sp|P23641	45
0	0	0	14	0	1607,798	sp|Q02776	sp|Q02776	422
0	3	0	12	0	1202,651	sp|Q99297	sp|Q99297	239
0	1	0	9	1	1112,63	sp|P54781	sp|P54781	362
0	0	0	13	1	1590,811	sp|P43557	sp|P43557	148
1	0	0	11	1	1433,763	CON__P13	CON__P13	440
0	1	0	9	1	997,592	sp|P07213	sp|P07213	594
0	1	0	12	2	1430,788	sp|P35191	sp|P35191	347
0	0	0	10	0	1096,563	sp|Q99190	sp|Q99190	32
1	1	0	25	1	2828,427	sp|P38077	sp|P38077	195
0	1	0	9	0	1062,546	sp|P22855	sp|P22855	47
0	0	0	18	0	1983,064	sp|P19882	sp|P19882	248
0	1	0	7	0	730,4589	sp|P07257	sp|P07257	28
0	1	0	7	0	714,3912	sp|Q02725	sp|Q02725	591

1	0	0	11	1	1239,686	sp|P33775	sp|P33775	526
2	0	0	9	0	1202,634	sp|Q02725	sp|Q02725	167
0	1	0	8	1	912,5393	sp|P39952	sp|P39952	327
0	0	0	13	0	1339,698	sp|P30902	sp|P30902	22
0	0	0	14	1	1467,793	sp|P30902	sp|P30902	22
0	0	0	10	0	1212,571	sp|P53206	sp|P53206	298
1	0	0	12	0	1280,589	sp|P00890	sp|P00890	238
0	2	0	12	0	1189,671	sp|P18239	sp|P18239	275
0	1	0	11	0	1177,646	sp|P46367	sp|P46367	250
0	1	0	9	0	954,575	sp|P07246	sp|P07246	347
2	1	0	19	0	2240,115	sp|P38631	sp|P38631	387
0	1	0	12	0	1208,622	sp|P21147	sp|P21147	48
1	1	0	10	0	1099,664	sp|P08466	sp|P08466	193
3	2	0	22	1	2546,233	sp|P38626	sp|P38626	209
1	1	0	11	0	1356,763	sp|P21801	sp|P21801	121
1	0	0	11	0	1286,637	sp|P30624	sp|P30624	217
1	1	0	7	0	818,4902	sp|P40035	sp|P40035	194
0	1	0	10	1	1076,598	sp|P07256	sp|P07256	241
0	1	0	9	1	1042,602	sp|P32843	sp|P32843	636
0	1	0	16	1	1580,925	sp|P23641	sp|P23641	247
0	0	0	9	2	1131,604	sp|P08466	sp|P08466	203
0	3	0	10	1	1151,655	sp|P40075	sp|P40075	181
0	2	0	20	1	2096,098	sp|P18239	sp|P18239	19
0	1	0	10	2	1228,708	sp|P07143	sp|P07143	299
1	1	0	13	2	1480,763	sp|P19414	sp|P19414	459
0	1	0	16	1	1749,926	sp|P02992	sp|P02992	277
1	1	0	14	1	1529,82	sp|P07257	sp|P07257	153
1	0	0	19	1	2073,042	sp|P08067	sp|P08067	193
1	2	0	23	2	2441,284	sp|P08067	sp|P08067	193
1	5	0	37	1	3813,943	sp|P00830	sp|P00830	334
0	0	0	7	1	996,5141	sp|P32843	sp|P32843	358
1	1	0	20	1	2195,034	sp|P32563	sp|P32563	251
0	1	0	11	2	1250,771	sp|P40046	sp|P40046	14
0	0	0	20	2	2210,158	sp|P37299	sp|P37299	58
1	1	0	15	1	1694,775	sp|P22146	sp|P22146	193
1	2	0	17	2	1921,938	sp|P22146	sp|P22146	193
0	2	0	13	1	1317,766	sp|P18239	sp|P18239	274
0	1	0	8	2	913,5961	sp|P07257	sp|P07257	303
0	0	0	11	1	1210,649	sp|P40086	sp|P40086	282
0	1	0	8	1	956,5767	sp|P22146	sp|P22146	83
0	0	0	7	1	878,4862	sp|P39952	sp|P39952	375
1	0	0	16	1	1804,932	sp|P32340	sp|P32340	284
2	3	0	12	1	1426,764	sp|P07251	sp|P07251	235
1	0	0	11	1	1400,665	sp|P38077	sp|P38077	76
1	0	0	12	2	1491,721	sp|Q02725	sp|Q02725	559
0	0	0	25	1	2464,281	sp|P39986	sp|P39986	930
0	0	0	25	1	2665,36	sp|P00830	sp|P00830	148
1	1	0	22	1	2562,307	sp|P47075	sp|P47075	327
0	1	0	11	1	1149,651	sp|P33311	sp|P33311	428
0	1	0	10	2	1155,686	sp|Q99190	sp|Q99190	22

0	1	0	13	1	1424,726	sp|Q1202	sp|Q1202	71
0	0	0	17	1	1881,783	sp|P49573	sp|P49573	355
0	4	0	45	1	4533,371	sp|P23644	sp|P23644	262
0	1	0	10	1	1046,597	sp|P40215	sp|P40215	354
0	2	0	10	1	1087,599	sp|P05626	sp|P05626	122
0	3	0	13	1	1399,731	sp|P05030	sp|P05030	457
0	0	0	11	2	1355,745	sp|P32843	sp|P32843	803
1	0	0	10	1	1213,617	sp|P18239	sp|P18239	66
1	0	0	11	2	1369,718	sp|P18239	sp|P18239	66
1	3	0	16	2	1761,951	sp|P53075	sp|P53075	71
1	0	0	9	2	1193,604	CON__P35	CON__P35	273
1	0	0	9	1	1192,566	sp|P14020	sp|P14020	167
1	1	0	9	1	1149,582	sp|Q0640	sp|Q0640	98
0	0	0	7	0	806,3923	CON__P13	CON__P13	229
0	1	0	12	0	1267,666	sp|Q0494	sp|Q0494	236
0	1	0	26	0	2585,327	sp|P40341	sp|P40341	548
1	0	0	17	0	1840,911	sp|P07256	sp|P07256	280
0	1	0	22	1	2413,259	sp|P46367	sp|P46367	115
2	1	0	24	0	2705,345	sp|P32191	sp|P32191	495
0	0	0	14	0	1465,72	sp|P39003	sp|P39003	305
0	0	0	14	0	1479,736	sp|P13181	sp|P13181	311
1	2	0	13	0	1362,787	sp|P11491	sp|P11491	159
0	1	0	16	0	1809,911	sp|P36112	sp|P36112	296
0	0	0	12	0	1327,75	sp|P07213	sp|P07213	329
0	1	0	13	0	1327,771	sp|P53206	sp|P53206	147
0	0	0	8	0	931,4763	sp|Q1245	sp|Q1245	284
1	0	0	7	0	808,4331	CON__P35	CON__P13	157
1	1	0	9	1	1063,603	CON__P13	CON__P13	157
0	1	0	10	0	1143,629	sp|P29704	sp|P29704	356
1	2	0	16	0	1805,95	sp|P00128	sp|P00128	24
1	2	0	17	1	1934,045	sp|P00128	sp|P00128	24
0	1	0	15	1	1727,925	sp|P07257	sp|P07257	276
1	1	0	16	1	1984,887	CON__P04	CON__P04	252
2	1	0	12	0	1453,659	sp|P07213	sp|P07213	392
1	0	0	9	0	1038,498	sp|P47176	sp|P47176	184
0	0	0	11	0	1201,671	sp|P04840	sp|P04840	85
0	1	0	24	1	2525,411	sp|P04840	sp|P04840	85
0	1	0	16	1	1790,905	sp|P04037	sp|P04037	75
0	1	0	22	2	2444,316	sp|P04037	sp|P04037	69
1	0	0	9	0	1164,578	CON__P13	CON__P13	442
0	2	0	10	1	1167,686	sp|P09457	sp|P09457	172
0	3	0	13	0	1371,725	sp|P37298	sp|P37298	151
0	0	0	10	0	1219,587	sp|Q2V2P	sp|Q2V2P	34
0	0	0	11	0	1180,562	sp|P14020	sp|P14020	25
1	0	0	17	0	1882,931	sp|P14906	sp|P14906	123
2	1	0	18	0	1872,962	sp|P09457	sp|P09457	29
0	1	0	7	0	872,4868	sp|P33775	sp|P33775	399
1	0	0	7	0	909,5072	sp|P07251	sp|P07251	429
0	0	0	10	0	1088,659	sp|Q0494	sp|Q0494	75
1	0	0	13	0	1489,818	sp|P33767	sp|P33767	124

0	0	0	8	0	935,4964	sp|P14906	sp|P14906	395
0	0	0	13	0	1410,689	sp|P32368	sp|P32368	471
0	0	0	13	0	1323,613	sp|P39986	sp|P39986	955
0	1	0	20	0	2210,097	CON__P00	CON__P00	58
0	0	0	7	0	788,4215	sp|P32563	sp|P32563	353
1	0	0	8	0	993,5284	sp|P32332	sp|P32332	102
0	0	0	13	0	1387,855	sp|P09457	sp|P09457	70
0	0	0	15	1	1658,983	sp|P09457	sp|P09457	70
0	2	0	23	0	2569,365	sp|P32563	sp|P32563	360
0	2	0	32	0	3260,508	sp|P05030	sp|P05030	584
0	0	0	21	1	2386,257	sp|P00128	sp|P00128	41
0	1	0	9	0	939,5753	sp|Q04947	sp|Q04947	208
1	2	0	10	0	1065,546	sp|P33311	sp|P33311	231
1	1	0	17	0	1788,851	sp|Q12117	sp|Q12117	268
0	0	0	9	0	962,5549	sp|P32897	sp|P32897	58
0	0	0	10	0	1099,577	sp|Q8TGU	sp|Q8TGU	59
0	1	0	18	1	2112,998	sp|P33775	sp|P33775	408
0	1	0	7	0	800,5008	sp|P40961	sp|P40961	7
0	0	0	9	0	1110,629	sp|P38631	sp|P38631	414
0	0	0	9	1	957,5495	sp|P32191	sp|P32191	250
0	0	0	10	0	1104,541	sp|P32891	sp|P32891	371
1	0	0	14	0	1663,919	sp|Q02776	sp|Q02776	323
0	1	0	15	0	1759,866	sp|P32563	sp|P32563	121
0	0	0	11	1	1255,714	sp|P36112	sp|P36112	254
0	1	0	9	1	1007,565	sp|P00830	sp|P00830	467
1	0	0	10	1	1311,646	sp|Q02774	sp|Q02774	168
0	3	0	22	1	2401,249	sp|P07257	sp|P07257	323
0	0	0	9	1	1022,587	sp|Q12029	sp|Q12029	170
1	1	0	10	1	1245,697	sp|P29704	sp|P29704	136
1	1	0	10	1	1233,672	CON__P13	CON__P13	236
0	0	0	9	0	981,5495	sp|P00425	sp|P00425	112
1	3	0	17	0	1813,921	sp|P00830	sp|P00830	390
2	0	0	22	0	2760,285	sp|P07256	sp|P07256	302
0	3	0	17	0	1910,977	sp|P00410	sp|P00410	160
0	0	0	8	0	1004,46	CON__P35	CON__P35	489
0	0	0	13	2	1572,8	sp|P21147	sp|P21147	80
0	0	0	8	0	979,5702	sp|P32368	sp|P32368	351
0	0	0	11	0	1343,712	sp|P18239	sp|P18239	49
2	2	0	14	0	1678,904	sp|P32795	sp|P32795	127
0	1	0	8	0	886,5124	sp|P19882	sp|P19882	94
1	1	0	14	1	1667,9	sp|P38631	sp|P38631	775
0	1	0	14	0	1575,756	sp|P25045	sp|P25045	402
0	0	0	14	0	1660,959	sp|Q04458	sp|Q04458	90
0	1	0	17	0	1918,961	sp|P39952	sp|P39952	171
0	0	0	23	1	2530,278	sp|P04840	sp|P04840	62
0	0	0	34	2	3713,938	sp|P04840	sp|P04840	62
0	2	0	13	0	1449,675	sp|P04037	sp|P04037	143
0	1	0	10	0	1140,662	sp|P00410	sp|P00410	204
0	0	0	8	0	870,4923	sp|P43585	sp|P43585	298
1	2	0	18	0	1884,94	sp|P38325	sp|P38325	38

1	0	0	8	1	1022,519	sp|P23644	sp|P23644	141
1	0	0	8	0	969,492	sp|P47075	sp|P47075	122
1	0	0	9	0	1078,493	sp|P00128	sp|P00128	63
1	1	0	8	0	974,5437	sp|P02994	sp|P02994	246
0	1	0	16	0	1895,915	sp|P47154	sp|P47154	46
0	1	0	9	0	970,6063	sp|P32843	sp|P32843	195
0	1	0	19	0	1991,029	sp|P36060	sp|P36060	75
0	1	0	9	0	1077,546	sp|Q03028	sp|Q03028	150
0	1	0	9	0	993,5607	CON__P35	CON__P35	412
0	1	0	10	1	1121,656	CON__P35	CON__P35	412
1	2	0	26	0	2767,476	sp|P07256	sp|P07256	372
0	0	0	7	0	741,4749	sp|P40215	sp|P40215	411
0	0	0	21	0	2405,16	sp|P07213	sp|P07213	553
0	1	0	14	0	1679,863	sp|P47075	sp|P47075	429
0	1	0	8	0	929,4818	sp|P25340	sp|P25340	9
0	1	0	9	1	1057,577	sp|P25340	sp|P25340	9
0	2	0	7	0	815,4865	sp|P38264	sp|P38264	79
0	0	0	8	1	956,5291	sp|P07256	sp|P07256	251
1	0	0	8	1	1065,52	sp|P32317	sp|P32317	49
1	1	0	11	2	1322,683	sp|P00890	sp|P00890	326
0	0	0	27	2	2934,545	sp|P00830	sp|P00830	146
0	0	0	11	1	1242,668	sp|P19073	sp|P19073	134
0	1	0	15	1	1697,858	sp|P39986	sp|P39986	321
0	1	0	10	2	1200,683	CON__P04	CON__P04	408
0	0	0	8	1	1002,546	sp|A5Z2X5	sp|A5Z2X5	46
0	1	0	17	0	1803,929	sp|P05030	sp|P05030	363
2	0	0	16	0	1789,864	sp|P07143	sp|P07143	151
0	0	0	7	1	865,4658	sp|P53735	sp|P53735	538
0	1	0	7	0	808,4443	sp|P04840	sp|P04840	268
0	1	0	11	0	1260,671	sp|P32843	sp|P32843	566
0	2	0	9	0	870,5287	sp|P19882	sp|P19882	394
0	0	0	13	0	1540,775	sp|P36147	sp|P36147	129
0	0	0	8	0	800,4756	sp|P38077	sp|P38077	161
0	0	0	8	0	863,4753	sp|P07256	sp|P07256	401
0	0	0	9	1	991,5702	sp|P07256	sp|P07256	401
0	0	0	21	0	2438,085	sp|P20107	sp|P20107	203
0	0	0	8	1	945,5495	sp|P47069	sp|P47069	527
0	0	0	10	0	1044,556	CON__P00	CON__P00	98
0	1	0	13	0	1516,777	sp|P08466	sp|P08466	265
0	0	0	7	0	714,464		REV__sp|P32380|SP1	
0	2	0	12	0	1361,704	sp|P07256	sp|P07256	354
0	0	0	7	0	903,4563	sp|P25574	sp|P25574	256
0	3	0	10	0	1157,645	sp|P35179	sp|P35179	21
0	1	0	7	0	800,4392	sp|Q04013	sp|Q04013	195
0	1	0	8	1	928,5342	sp|Q04013	sp|Q04013	195
0	1	0	9	0	1056,572	sp|P42839	sp|P42839	331
0	2	0	11	0	1083,567	sp|P31382	sp|P31382	330
0	2	0	23	1	2670,455	sp|Q12480	sp|Q12480	83
0	2	0	11	0	1087,57	sp|P06780	sp|P06780	13
0	3	0	15	0	1676,921	sp|P00830	sp|P00830	79

0	2	0	17	0	1775,932	sp|P23641	sp|P23641	143
1	3	0	15	0	1588,908	sp|P00890	sp|P00890	387
0	1	0	11	0	1263,686	sp|P33767	sp|P33767	229
1	0	0	22	0	2477,226	sp|P07256	sp|P07256	426
0	0	0	8	0	1085,587	sp|Q0371	sp|Q0371	109
2	0	0	9	0	1253,619	sp|P32366	sp|P32366	76
1	1	0	19	0	2175,111	sp|P32366	sp|P32366	248
1	0	0	11	0	1294,692	sp|P54783	sp|P54783	99
1	0	0	10	0	1197,614	sp|P40035	sp|P40035	52
0	0	0	8	1	850,4735	sp|P00044	sp|P00044	86
0	0	0	9	0	1075,549	sp|P32340	sp|P32340	410
0	2	0	8	0	973,4804	sp|P25087	sp|P25087	254
0	1	0	9	0	1091,58	sp|P32843	sp|P32843	660
0	1	0	11	0	1074,574	sp|P05030	sp|P05030	556
0	0	0	21	1	2297,137	sp|P14020	sp|P14020	146
0	1	0	10	0	1082,492	sp|P18239	sp|P18239	255
1	1	0	19	1	2179,952	sp|P18239	sp|P18239	255
0	1	0	16	1	1766,887	sp|P25349	sp|P25349	50
0	2	0	19	0	2217,151	sp|P38264	sp|P38264	1
0	1	0	10	0	1167,523	sp|Q0371	sp|Q0371	4
0	0	0	13	0	1350,627	sp|P32332	sp|P32332	50
0	1	0	8	0	947,511	sp|Q0302	sp|Q0302	39
0	1	0	10	0	1211,67	sp|Q1201	sp|Q1201	1
0	3	0	26	0	2564,16	CON__P04	CON__P04	493
2	1	0	12	0	1444,677	sp|P32191	sp|P32191	519
1	1	0	11	0	1250,597	sp|P04840	sp|P04840	1
0	1	0	12	1	1358,625	sp|P40215	sp|P40215	463
0	0	0	7	0	896,4062	CON__P35	CON__P35	234
1	0	0	7	2	981,4927	sp|P06779	sp|P06779	1
0	0	0	8	0	871,44	sp|P47075	sp|P47075	567
0	0	0	9	1	999,5349	sp|P47075	sp|P47075	567
0	2	0	10	0	997,5193	sp|P43585	sp|P43585	677
1	0	0	11	0	1400,622	sp|Q6Q56	sp|Q6Q56	22
1	0	0	8	0	980,4563	sp|P32563	sp|P32563	113
0	3	0	20	0	2160,07	sp|P07257	sp|P07257	325
0	3	0	23	1	2550,26	sp|P07257	sp|P07257	325
0	0	0	18	0	2196,967	sp|P32366	sp|P32366	164
0	0	0	10	0	1212,61	sp|P06780	sp|P06780	128
0	0	0	18	1	1892,787	sp|Q0277	sp|Q0277	76
1	0	0	11	0	1347,61	sp|P39925	sp|P39925	102
0	1	0	13	0	1341,75	sp|P04840	sp|P04840	96
0	0	0	9	0	1110,549	sp|P38353	sp|P38353	320
0	0	0	8	0	983,4573	sp|P32368	sp|P32368	167
0	0	0	10	0	1147,526	sp|P38988	sp|P38988	242
0	1	0	15	1	1502,846	sp|P54783	sp|P54783	452
1	1	0	12	0	1333,667	sp|P54781	sp|P54781	413
0	1	0	9	0	1083,56	sp|Q0401	sp|Q0401	53
2	0	0	12	0	1476,652	sp|P08525	sp|P08525	72
0	0	0	10	1	1299,588	CON__P13	CON__P13	286
0	1	0	12	1	1255,677	sp|P40318	sp|P40318	78

0	1	0	14	1	1490,809	sp|P07256	sp|P07256	75
0	0	0	10	1	1026,557	sp|Q06405	sp|Q06405	20
0	2	0	16	1	1780,036	sp|P21954	sp|P21954	117
0	0	0	8	0	942,5135	sp|P04840	sp|P04840	12
0	0	0	14	0	1533,779	sp|P17255	sp|P17255	585
0	0	0	14	0	1487,783	sp|Q05867	sp|Q05867	45
0	0	0	14	0	1715,841	sp|P32366	sp|P32366	322
0	0	0	19	2	2183,118	CON__P04	CON__P04	442
1	0	0	10	2	1307,647	CON__P04	CON__P04	268
1	0	0	16	0	1738,925	sp|P32843	sp|P32843	114
1	2	0	11	0	1246,692	sp|P09457	sp|P09457	97
0	1	0	12	0	1328,719	CON__P35	CON__P35	348
1	4	0	15	0	1688,91	sp|P40215	sp|P40215	130
0	1	0	13	0	1343,657	sp|P38077	sp|P38077	92
0	0	0	11	0	1308,631	sp|Q99297	sp|Q99297	109
0	2	0	13	0	1369,747	sp|P31382	sp|P31382	426
0	0	0	9	0	959,5288	sp|P32843	sp|P32843	577
0	0	0	13	1	1445,747	sp|P32843	sp|P32843	577
0	3	0	14	0	1630,916	sp|P40086	sp|P40086	356
0	0	0	12	2	1525,716	sp|P14906	sp|P14906	539
1	0	0	12	0	1453,657	sp|P14906	sp|P14906	61
1	1	0	10	0	1164,639	sp|P32563	sp|P32563	280
0	1	0	13	1	1397,824	sp|P07256	sp|P07256	227
0	1	0	14	2	1525,919	sp|P07256	sp|P07256	227
1	0	0	19	0	2255,88	sp|P07143	sp|P07143	127
0	1	0	13	0	1623,754	sp|P38631	sp|P38631	184
0	0	0	11	0	1265,647	sp|P32843	sp|P32843	473
1	1	0	10	0	1299,522	CON__P04	CON__P04	258
0	0	0	13	1	1507,786	sp|P31382	sp|P31382	12
0	0	0	13	0	1534,753	sp|P32386	sp|P32386	791
0	0	0	14	0	1432,618	sp|P16547	sp|P16547	205
1	0	0	11	1	1363,626	sp|Q02725	sp|Q02725	560
0	0	0	15	0	1553,732	sp|P32191	sp|P32191	297
0	1	0	16	0	1830,936	sp|P07213	sp|P07213	518
1	1	0	8	0	1037,496	sp|P32792	sp|P32792	124
0	1	0	10	0	1027,505	sp|P33775	sp|P33775	451
0	0	0	14	1	1591,832	sp|P39952	sp|P39952	157
0	0	0	13	0	1407,699	sp|P09457	sp|P09457	47
1	1	0	26	0	2800,323	sp|P23641	sp|P23641	115
1	1	0	9	0	1052,525	sp|P19414	sp|P19414	463
0	0	0	8	0	978,4627	sp|P21801	sp|P21801	103
1	2	0	13	1	1494,793	sp|P30902	sp|P30902	65
0	1	0	13	1	1472,698	sp|P19882	sp|P19882	127
0	2	0	19	0	2011,986	sp|P11491	sp|P11491	68
0	1	0	11	0	1207,693	sp|P40086	sp|P40086	458
0	1	0	12	0	1337,734	sp|P19882	sp|P19882	58
0	1	0	16	0	1796,004	CON__P13	CON__P13	371
0	4	0	27	0	2871,386	CON__P13	CON__P13	296
0	1	0	14	0	1658,87	sp|P07256	sp|P07256	336
1	0	0	12	1	1390,699	sp|P54783	sp|P54783	14

2	0	0	7	0	943,4287	sp|P39986	sp|P39986	620
1	1	0	20	0	2249,235	sp|P40215	sp|P40215	145
3	2	0	25	1	2901,403	CON__P35	CON__P35	200
4	1	0	16	1	2052,02	sp|P32843	sp|P32843	590
0	0	0	9	0	897,492	sp|Q12117	sp|Q12117	292
0	0	0	9	1	1001,541	sp|Q6Q56	sp|Q6Q56	2
0	2	0	15	0	1446,772	sp|P04840	sp|P04840	253
0	0	0	17	0	1807,918	sp|P14020	sp|P14020	150
1	0	0	19	1	2285,123	sp|Q02889	sp|Q02889	2
0	0	0	9	0	1005,524	sp|P00128	sp|P00128	2
0	1	0	14	0	1415,726	sp|Q04013	sp|Q04013	2
1	0	0	13	0	1253,625	sp|P52871	sp|P52871	36
0	2	0	19	0	1900,015	sp|P38077	sp|P38077	293
2	1	0	14	0	1710,815	sp|P00424	sp|P00424	70
1	0	0	19	1	2151,075	sp|P32368	sp|P32368	495
0	1	0	16	1	1758,904	sp|P00427	sp|P00427	133
1	1	0	10	0	1195,624	sp|P04710	sp|P04710	160
1	1	0	11	1	1323,719	sp|P04710	sp|P04710	160
0	2	0	16	0	1781,8	sp|P04385	sp|P04385	355
0	2	0	20	1	2152,164	sp|P33775	sp|P33775	23
0	1	0	11	0	1156,584	CON__P35	CON__P35	251
0	0	0	9	0	1056,531	sp|P50085	sp|P50085	218
1	0	0	29	0	2849,533	sp|P23641	sp|P23641	62
0	1	0	16	0	1655,873	sp|P19882	sp|P19882	475
0	0	0	15	0	1715,844	CON__P04	CON__P04	418
0	1	0	12	1	1463,714	sp|Q02776	sp|Q02776	456
0	0	0	13	1	1566,841	sp|P00424	sp|P00424	57
0	0	0	13	1	1613,718	sp|Q04947	sp|Q04947	184
0	1	0	10	1	1151,63	sp|P05626	sp|P05626	177
0	0	0	14	0	1496,778	sp|P23641	sp|P23641	263
1	0	0	13	0	1447,742	sp|P05030	sp|P05030	571
0	2	0	8	0	883,5491	sp|P02994	sp|P02994	147
1	1	0	18	0	2189,075	sp|P30902	sp|P30902	43
0	2	0	19	1	1957,1	sp|P04840	sp|P04840	249
0	1	0	10	0	1207,683	sp|Q04947	sp|Q04947	107
0	1	0	10	0	1219,645	sp|P30902	sp|P30902	89
0	0	0	8	0	978,4342	sp|Q04013	sp|Q04013	182
2	2	0	31	0	3410,711	sp|P07251	sp|P07251	467
1	1	0	15	0	1737,913	sp|P14906	sp|P14906	494
0	2	0	15	1	1581,836	sp|P04840	sp|P04840	47
0	3	0	17	0	1965,047	sp|P40961	sp|P40961	49
0	0	0	12	0	1436,639	sp|P25045	sp|P25045	547
0	2	0	16	0	1753,921	sp|P23644	sp|P23644	53
0	0	0	20	0	1946,894	CON__Q8	CON__Q8	992
0	1	0	12	1	1356,711	CON__P13	CON__P13	246
0	0	0	19	0	2060,029	sp|P04840	sp|P04840	66
0	0	0	30	1	3243,689	sp|P04840	sp|P04840	66
0	1	0	15	0	1736,852	sp|P49334	sp|P49334	75
0	0	0	14	0	1512,753	sp|P40075	sp|P40075	199
0	3	0	9	0	913,5597	sp|P02994	sp|P02994	429

0	1	0	10	0	1189,601	CON__P35	CON__P35	262
0	1	0	13	0	1626,702	sp|P07256	sp|P07256	147
1	0	0	8	0	1026,502		REV__sp|P46949|FYV	
0	1	0	12	2	1496,693	sp|P40150	sp|P40150	79
0	0	0	8	1	970,5964	sp|P81450	sp|P81450	4
2	0	0	19	2	2222,006	sp|P39003	sp|P39003	546
0	4	0	23	1	2492,335	sp|P25045	sp|P25045	228
2	0	0	19	2	2405,104	sp|P13181	sp|P13181	552
2	1	0	7	1	940,4879	sp|P07143	sp|P07143	92
0	1	0	17	1	1904,97	sp|P38077	sp|P38077	130
1	2	0	10	1	1245,698	sp|Q0640	sp|Q0640	29
1	0	0	14	2	1663,843	sp|P39109	sp|P39109	207
0	0	0	8	2	997,6033	sp|P0C5R	sp|P0C5R	78
0	1	0	7	1	900,4777	sp|P32563	sp|P32563	61
0	1	0	8	1	942,5498	sp|P40341	sp|P40341	106
1	0	0	10	1	1234,594	sp|P00128	sp|P00128	62
0	1	0	10	1	1126,707	sp|P32843	sp|P32843	194
0	1	0	22	1	2393,299	sp|P19882	sp|P19882	266
0	0	0	13	1	1438,735	sp|P21592	sp|P21592	127
1	1	0	13	1	1573,764	sp|P22855	sp|P22855	867
0	1	0	14	2	1530,852	sp|P00424	sp|P00424	84
0	0	0	10	2	1218,599	sp|Q3E7B	sp|Q3E7B	64
3	2	0	21	1	2507,099	sp|P40215	sp|P40215	176
0	2	0	12	1	1349,742	sp|P07251	sp|P07251	177
1	1	0	10	1	1209,574	sp|P53721	sp|P53721	207
0	1	0	13	2	1527,801	sp|P16547	sp|P16547	91
0	0	0	7	1	943,4988	sp|P53721	sp|P53721	187
1	0	0	9	0	1006,508	sp|P38631	sp|P38631	930
1	0	0	12	0	1412,694	sp|P07257	sp|P07257	141
1	0	0	13	1	1540,789	sp|P07257	sp|P07257	141
0	0	0	11	1	1157,666	sp|P50085	sp|P50085	251
1	1	0	17	0	1980,998	sp|P32563	sp|P32563	11
0	1	0	9	0	1025,514	sp|P38264	sp|P38264	129
0	2	0	16	0	1593,779	sp|Q0401	sp|Q0401	145
0	0	0	12	0	1295,683	sp|P38244	sp|P38244	873
0	1	0	10	0	1058,492	sp|P07251	sp|P07251	536
0	1	0	16	0	1799,921	sp|P04840	sp|P04840	109
0	0	0	10	0	1335,606	sp|Q0494	sp|Q0494	18
0	0	0	12	0	1398,523	sp|P49573	sp|P49573	303
0	0	0	11	0	1249,554	CON__P02	CON__P02	87
2	1	0	15	0	1833,842	sp|P32843	sp|P32843	71
1	1	0	9	0	936,4665	sp|P18239	sp|P18239	183
0	1	0	17	0	1646,888	sp|P39986	sp|P39986	355
1	0	0	19	1	2298,112	CON__P35	CON__P35	272
0	0	0	8	1	1042,403	sp|P07256	sp|P07256	450
0	1	0	20	0	2092,037	sp|P17505	sp|P17505	279
0	0	0	9	0	1017,488	sp|P13181	sp|P13181	543
0	1	0	16	0	1816,994	sp|P00890	sp|P00890	157
0	0	0	8	1	1002,546	CON__P13	CON__P13	363
0	2	0	17	1	1799,913	sp|Q1248	sp|Q1248	216

1	0	0	16	0	1799,865	sp|P19882	sp|P19882	508
0	1	0	7	0	762,4388	sp|P29704	sp|P29704	52
0	0	0	16	0	1722,858	sp|P38286	sp|P38286	228
1	0	0	7	0	830,4174	sp|P22289	sp|P22289	2
0	1	0	8	0	759,4127	sp|P02994	sp|P02994	394
0	1	0	11	0	1146,504	sp|P32843	sp|P32843	672
0	2	0	18	1	1839,779	sp|Q3E824	sp|Q3E824	53
0	0	0	16	0	1231,591	CON__P35	CON__P35	14
0	0	0	21	0	1977,958	sp|Q0277(	sp|Q0277(	372
0	0	0	18	1	1831,028	sp|P32842	sp|P32842	41
0	0	0	11	0	1230,584	sp|P40086	sp|P40086	221
0	0	0	12	1	1358,679	sp|P40086	sp|P40086	221
0	1	0	17	0	1612,857	sp|P25374	sp|P25374	334
0	2	0	18	1	2005,049	sp|P25515	sp|P25515	35
1	0	0	9	0	1091,504	sp|P11491	sp|P11491	216
0	4	0	15	0	1559,842	sp|P02994	sp|P02994	6
1	0	0	21	0	2372,213	sp|P16622	sp|P16622	355
1	1	0	14	0	1645,846	sp|Q00711	sp|Q00711	140
0	1	0	12	0	1342,786	sp|P32340	sp|P32340	106
0	0	0	19	0	2042,053	sp|P32366	sp|P32366	220
0	0	0	28	1	2979,576	sp|P32366	sp|P32366	220
1	0	0	8	0	1003,545	sp|P21801	sp|P21801	146
0	1	0	22	0	1837,907	CON__P35	CON__P35	71
0	0	0	17	0	1830,014	sp|P32386	sp|P32386	1457
0	1	0	15	0	1660,878	sp|P40961	sp|P40961	131
0	1	0	8	0	911,4461	sp|P39925	sp|P39925	687
1	0	0	12	1	1339,662	CON__P04	CON__P04	365
1	0	0	12	1	1390,673	CON__P35	CON__P35	369
0	1	0	10	1	1255,609	sp|P14906	sp|P14906	51
1	0	0	19	1	2211,091	CON__P13	CON__P13	344
0	0	0	15	2	1737,901	sp|P0CH0(	sp|P0CH0(	28
1	1	0	16	1	1749,843	sp|P00424	sp|P00424	138
0	1	0	13	1	1460,762	sp|P36148	sp|P36148	167
0	0	0	11	1	1282,598	sp|P32799	sp|P32799	103
0	2	0	21	2	2509,254	sp|P32799	sp|P32799	103
1	1	0	9	1	1064,562	sp|P40086	sp|P40086	233
0	1	0	19	1	1804,917	sp|Q04947	sp|Q04947	217
0	0	0	13	0	1566,804	sp|P07256	sp|P07256	116
0	0	0	13	0	1366,721	sp|P54783	sp|P54783	335
0	1	0	12	0	1301,708	CON__P04	CON__P04	344
0	0	0	13	0	1448,653	sp|P25045	sp|P25045	419
2	0	0	17	0	1913,937	sp|P40318	sp|P40318	173
0	2	0	13	2	1495,897	sp|P09457	sp|P09457	169
0	0	0	14	0	1261,59	CON__P13	CON__P13	451
0	1	0	11	0	1185,679	sp|P08417	sp|P08417	430
0	0	0	12	0	1382,683	CON__P04	CON__P04	186
0	1	0	14	1	1637,853	CON__P04	CON__P04	186
0	0	0	11	0	1077,618	sp|Q0640(	sp|Q0640(	39
0	1	0	24	1	2715,4	sp|P00830	sp|P00830	416
0	1	0	14	1	1519,763	sp|P32476	sp|P32476	298

0	1	0	9	0	830,4862	CON__P35	CON__P35	62
0	1	0	9	0	873,492	CON__P04	CON__P04	66
0	0	0	13	1	1522,69	sp|P37298	sp|P37298	164
0	0	0	17	2	1963,949	sp|P37298	sp|P37298	164
0	0	0	11	0	1324,674	sp|P07251	sp|P07251	511
0	0	0	13	1	1581,811	sp|P07251	sp|P07251	511
0	2	0	26	1	2753,379	sp|P13181	sp|P13181	285
0	0	0	8	0	920,4716	sp|P38244	sp|P38244	419
0	0	0	12	0	1275,642	sp|P53337	sp|P53337	30
0	1	0	18	0	1849,829	sp|Q02725	sp|Q02725	265
0	2	0	12	0	1301,621	sp|P47127	sp|P47127	344
1	1	0	11	0	1260,574	sp|Q02725	sp|Q02725	176
1	0	0	8	0	949,4617	sp|P22855	sp|P22855	1002
0	2	0	18	0	1979,084	CON__P02	CON__P02	69
1	0	0	14	1	1602,705	sp|P07213	sp|P07213	294
0	0	0	7	0	819,3875	sp|P50085	sp|P50085	4
0	3	0	20	0	2070,063	sp|P40012	sp|P40012	520
1	1	0	10	0	1119,556	sp|P04840	sp|P04840	2
1	2	0	32	0	3240,54	sp|P04840	sp|P04840	133
0	1	0	15	0	1487,748	sp|P16622	sp|P16622	37
1	2	0	15	0	1698,944	sp|P38244	sp|P38244	816
0	2	0	16	0	1802,869	sp|Q03798	sp|Q03798	135
1	0	0	11	0	1364,632	CON__P13	CON__P13	323
1	0	0	12	1	1492,727	CON__P13	CON__P13	323
1	1	0	8	1	1008,524	sp|P50085	sp|P50085	262
1	1	0	9	2	1164,625	sp|P50085	sp|P50085	262
0	0	0	12	1	1222,594	sp|P46367	sp|P46367	154
0	2	0	24	0	2515,26	sp|P00401	sp|P00401	511
1	0	0	10	0	1173,497	sp|Q12480	sp|Q12480	73
0	1	0	12	0	1349,665	sp|P32191	sp|P32191	314
0	1	0	15	0	1437,674	sp|P32340	sp|P32340	27
0	0	0	9	0	998,6488	sp|P33311	sp|P33311	488
1	0	0	11	1	1337,719	sp|P07257	sp|P07257	80
0	0	0	16	0	1551,735	sp|P23641	sp|P23641	296
0	0	0	9	0	1064,492	CON__P35	CON__P35	155
0	1	0	13	0	1520,809	sp|P54783	sp|P54783	198
0	0	0	10	0	1130,503	CON__P35	CON__P35	36
0	2	0	17	0	1897,957	sp|P07251	sp|P07251	248
0	2	0	21	0	2173,065	sp|P08067	sp|P08067	73
0	1	0	11	0	1283,564	sp|P05030	sp|P05030	899
0	4	0	23	0	2549,197	sp|P02994	sp|P02994	289
2	2	0	20	0	2227,977	sp|P33767	sp|P33767	266
0	2	0	11	0	1193,64	sp|P07251	sp|P07251	178
0	1	0	12	1	1387,713	sp|P32331	sp|P32331	245
0	2	0	18	2	1793,989	sp|Q08179	sp|Q08179	63
2	1	0	19	0	1922,927	sp|P08067	sp|P08067	54
1	2	0	20	0	2180,141	sp|P32340	sp|P32340	86
1	0	0	10	0	1133,535	sp|P17255	sp|P17255	412
1	1	0	9	0	1125,52	sp|P13181	sp|P13181	234
1	0	0	12	0	1283,588	sp|P38626	sp|P38626	91

2	2	0	12	0	1409,744	sp|P10614	sp|P10614	165
0	1	0	12	1	1335,703	CON__P35	CON__P35	282
0	0	0	12	0	1353,689	sp|P42839	sp|P42839	220
0	1	0	10	0	1115,582	sp|P53206	sp|P53206	96
1	1	0	14	0	1465,766	sp|P46367	sp|P46367	216
0	1	0	17	1	1866	sp|P07257	sp|P07257	112
0	3	0	17	0	1806,938	sp|Q96VH	sp|Q96VH	45
0	1	0	17	0	1589,79	sp|Q04947	sp|Q04947	219
0	1	0	20	0	1979,032	sp|P04037	sp|P04037	33
0	1	0	12	0	1393,699	sp|P18239	sp|P18239	77
0	1	0	12	0	1285,724	sp|P07251	sp|P07251	213
0	1	0	13	1	1441,825	sp|P07251	sp|P07251	213
0	1	0	9	0	1079,605	sp|P06780	sp|P06780	24
1	1	0	16	0	1565,732	sp|P23644	sp|P23644	220
0	1	0	13	0	1404,663	sp|P21954	sp|P21954	319
1	2	0	23	0	2414,187	sp|P40215	sp|P40215	364
0	1	0	19	0	1868,937	sp|P28241	sp|P28241	349
0	2	0	12	1	1403,829	sp|P47075	sp|P47075	138
0	0	0	7	0	786,4137	sp|P37299	sp|P37299	11
0	3	0	16	0	1562,878	sp|P07251	sp|P07251	128
1	2	0	16	0	1767,92	sp|P32368	sp|P32368	2
1	1	0	9	0	1053,473	sp|P53721	sp|P53721	208
2	0	0	11	0	1295,578	sp|P47154	sp|P47154	388
1	0	0	7	0	882,4236	sp|P46367	sp|P46367	172
0	1	0	12	0	1261,634	sp|P00830	sp|P00830	94
0	0	0	10	0	1013,612	sp|P07255	sp|P07255	2
0	0	0	11	1	1169,713	sp|P07255	sp|P07255	2
0	3	0	11	1	1296,722	sp|P47075	sp|P47075	612
0	0	0	27	1	3051,62	CON__P13	CON__P13	202
2	2	0	22	0	2575,175	sp|Q08179	sp|Q08179	297
0	0	0	7	1	893,4858	sp|P02994	sp|P02994	38
0	0	0	10	0	1092,545	sp|P38077	sp|P38077	220
0	1	0	21	1	2350,144	sp|P38077	sp|P38077	220
0	0	0	18	0	2145,099	sp|P28834	sp|P28834	49
1	0	0	10	0	1007,54	sp|Q00711	sp|Q00711	243
1	0	0	11	0	1307,654	sp|P38626	sp|P38626	49
1	0	0	13	1	1528,691	sp|P40341	sp|P40341	140
1	1	0	13	1	1556,703	sp|P32568	sp|P32568	474
0	0	0	15	1	1741,812	sp|P32386	sp|P32386	447
0	2	0	16	1	1684,004	sp|P30624	sp|P30624	593
0	1	0	8	1	896,5331	sp|P38626	sp|P38626	29
1	1	0	11	2	1306,713	sp|Q04947	sp|Q04947	197
0	1	0	10	0	1082,554	sp|P32335	sp|P32335	81
0	2	0	10	0	1056,629	sp|P05030	sp|P05030	175
0	1	0	13	0	1520,703	sp|P19882	sp|P19882	203
0	0	0	13	1	1587,799	sp|Q03713	sp|Q03713	135
0	1	0	13	0	1518,768	sp|P40318	sp|P40318	868
0	2	0	10	0	1244,667	sp|P32799	sp|P32799	114
1	0	0	9	0	1095,483	sp|P50085	sp|P50085	140
0	0	0	8	1	958,5084	sp|P32564	sp|P32564	147

1	1	0	12	1	1278,693	sp|P18239	sp|P18239	180
0	0	0	9	0	1059,556	CON__P35	CON__P35	225
0	0	0	21	2	2362,286	sp|P02994	sp|P02994	225
0	0	0	9	0	1032,509	CON__P04	CON__P04	484
1	1	0	8	0	1000,472	sp|Q0611	sp|Q0611	2347
0	0	0	9	0	1021,508	sp|P23644	sp|P23644	182
1	0	0	9	0	1080,545	sp|P0CH0	sp|P0CH0	55
0	0	0	11	0	1168,601	sp|P32843	sp|P32843	335
0	3	0	13	0	1439,737	sp|P07143	sp|P07143	114
0	2	0	16	0	1628,95	sp|P40215	sp|P40215	114
0	0	0	9	1	1176,596	sp|P00424	sp|P00424	123
0	1	0	12	1	1392,725	CON__P04	CON__P04	278
0	1	0	17	0	1619,775	sp|P19882	sp|P19882	102
0	0	0	12	2	1447,731	sp|Q0401	sp|Q0401	207
0	4	0	15	0	1711,962	sp|P32368	sp|P32368	399
1	1	0	14	0	1562,733	sp|P32839	sp|P32839	118
0	1	0	12	0	1272,667	sp|Q0802	sp|Q0802	254
0	1	0	14	0	1699,747	sp|P32891	sp|P32891	505
0	1	0	17	0	1868,894	sp|P08067	sp|P08067	122
0	1	0	25	1	2767,272	sp|P08067	sp|P08067	122
0	0	0	19	0	1960,993	sp|P39952	sp|P39952	335
0	2	0	7	0	784,4695	sp|Q0302	sp|Q0302	159
0	1	0	9	0	1047,524	sp|P08067	sp|P08067	36
0	1	0	18	2	2046,961	sp|P08067	sp|P08067	36
0	0	0	8	0	954,5498	sp|P36060	sp|P36060	199
0	0	0	9	1	1082,645	sp|P36060	sp|P36060	199
0	1	0	19	1	1885,902	sp|P32897	sp|P32897	9
0	0	0	16	0	1753,688	sp|P49573	sp|P49573	356
0	0	0	11	0	1357,564	sp|Q0494	sp|Q0494	186
1	0	0	13	1	1636,785	sp|P40215	sp|P40215	482
0	1	0	10	0	1090,526	sp|Q0071	sp|Q0071	521
0	2	0	17	1	1870,017	sp|Q1274	sp|Q1274	96
1	1	0	19	1	2255,038	CON__P35	CON__P35	254
0	2	0	21	0	2298,124	sp|P10614	sp|P10614	190
0	2	0	13	0	1523,736	sp|Q0379	sp|Q0379	89
1	0	0	15	0	1626,835	sp|P32563	sp|P32563	290
1	1	0	16	0	1976,052	sp|P32843	sp|P32843	86
0	0	0	14	0	1556,766	sp|P19414	sp|P19414	589
1	2	0	12	0	1434,772	sp|P28241	sp|P28241	139
0	3	0	18	0	1865,099	sp|P32368	sp|P32368	189
0	1	0	9	0	962,5284	sp|P09457	sp|P09457	192
1	2	0	19	0	2293,014	sp|P05030	sp|P05030	483
0	1	0	13	0	1501,85	sp|P00830	sp|P00830	197
1	2	0	16	0	1734,898	sp|P00890	sp|P00890	70
1	0	0	13	0	1506,654	sp|P08525	sp|P08525	8
0	1	0	7	0	893,4429	sp|P23644	sp|P23644	324
0	1	0	10	1	1230,609	sp|P53721	sp|P53721	194
0	1	0	10	0	1129,573	sp|P33310	sp|P33310	294
0	1	0	10	0	1072,576	sp|P33311	sp|P33311	309
0	1	0	7	0	744,413	sp|P05030	sp|P05030	502

0	1	0	11	0	1066,541	sp|P46367	sp|P46367	264
0	2	0	12	0	1314,718	sp|Q03798	sp|Q03798	107
0	3	0	13	0	1390,761	sp|P14020	sp|P14020	200
0	1	0	7	0	769,5062	sp|P53206	sp|P53206	89
2	2	0	20	0	2137,149	sp|P40961	sp|P40961	14
1	1	0	13	0	1452,798	sp|P00830	sp|P00830	265
0	2	0	15	0	1584,808	sp|P00830	sp|P00830	248
1	3	0	20	0	2112,104	sp|P35191	sp|P35191	394
0	3	0	10	0	941,5546	sp|P40215	sp|P40215	51
1	3	0	10	0	1060,592	sp|P30624	sp|P30624	2
0	1	0	9	0	977,5658	sp|P14906	sp|P14906	421
0	1	0	10	0	1227,698	sp|P32563	sp|P32563	196
0	2	0	8	0	841,5022	CON__P00	CON__P00	108
2	2	0	19	0	2088,928	sp|P36147	sp|P36147	154
0	1	0	12	0	1459,792	CON__P35	CON__P35	309
0	1	0	13	1	1543,886	sp|P19882	sp|P19882	234
0	2	0	8	0	972,5393	sp|P22855	sp|P22855	845
0	1	0	8	0	895,4763	sp|P05626	sp|P05626	179
1	1	0	16	0	1879,859	sp|P06780	sp|P06780	58
0	6	0	24	1	2429,324	sp|P02994	sp|P02994	265
0	2	0	12	0	1222,729	sp|P08067	sp|P08067	94
0	1	0	7	0	881,4396	sp|P40046	sp|P40046	25
0	3	0	20	0	2179,116	sp|P07251	sp|P07251	78
1	3	0	13	0	1450,746	sp|P32839	sp|P32839	384
0	5	0	20	1	2179,192	sp|Q12480	sp|Q12480	130
0	1	0	9	0	954,5862	sp|P40961	sp|P40961	233
0	1	0	21	0	2239,144	sp|P38353	sp|P38353	205
0	3	0	12	0	1159,572	sp|P19882	sp|P19882	403
0	3	0	13	1	1287,667	sp|P19882	sp|P19882	403
0	1	0	9	0	957,5131	sp|P53199	sp|P53199	332
0	1	0	8	0	814,4337	sp|P32368	sp|P32368	142
0	1	0	11	0	1165,636	sp|P00044	sp|P00044	34
0	2	0	15	0	1574,815	sp|P38248	sp|P38248	248
0	2	0	8	0	801,4596	sp|Q04458	sp|Q04458	218
1	1	0	15	0	1708,853	sp|P53206	sp|P53206	205
0	5	0	21	1	2452,26	sp|P46971	sp|P46971	509
0	1	0	10	1	1147,66	sp|P19882	sp|P19882	148
1	1	0	12	0	1376,719	sp|Q02776	sp|Q02776	289
0	3	0	17	0	1867,042	sp|P50085	sp|P50085	288
0	3	0	17	0	1846,111	sp|Q12029	sp|Q12029	239
0	4	0	13	1	1578,848	sp|P47075	sp|P47075	74
0	1	0	11	0	1126,66	sp|P32191	sp|P32191	368
0	2	0	10	0	969,5607	sp|P07251	sp|P07251	68
0	1	0	9	0	1030,591	CON__P13	CON__P13	258
0	4	0	13	0	1518,757	sp|P19882	sp|P19882	447
0	3	0	14	0	1365,762	sp|P00830	sp|P00830	109
0	1	0	20	0	2260,196	sp|P07256	sp|P07256	160
1	2	0	22	0	2447,087	sp|P07143	sp|P07143	228
0	3	0	20	1	2311,184	sp|P05626	sp|P05626	157
0	4	0	15	0	1599,851	sp|P32368	sp|P32368	40

2	2	0	24	1	2850,503	sp|P40961	sp|P40961	96
1	3	0	19	0	2148,093	sp|P00427	sp|P00427	72
0	3	0	11	0	1209,733	sp|P50085	sp|P50085	149
0	1	0	15	0	1713,951	sp|P05626	sp|P05626	228
1	3	0	15	1	1755,004	sp|P50085	sp|P50085	125
0	1	0	8	0	996,528	sp|P39925	sp|P39925	147
1	1	0	7	0	851,4501	sp|Q04935	sp|Q04935	28
1	3	0	27	0	3047,487	CON__P35	CON__P35	321
0	1	0	10	0	1251,647	sp|P32191	sp|P32191	358
0	1	0	9	0	997,5556	sp|P00427	sp|P00427	98
1	1	0	8	0	919,5127	sp|P36060	sp|P36060	191
1	3	0	29	0	3313,523	sp|P23644	sp|P23644	153
0	2	0	10	0	1202,616	sp|P38248	sp|P38248	163
0	2	0	10	1	1139,63	sp|Q12746	sp|Q12746	113
2	2	0	32	1	3711,761	sp|P40970	sp|P40970	10
1	1	0	13	0	1479,747	sp|P34224	sp|P34224	96
0	2	0	9	0	958,5084	sp|P40318	sp|P40318	895
0	2	0	12	0	1320,667	sp|P21576	sp|P21576	185
0	2	0	13	1	1280,709	sp|P23833	sp|P23833	51
1	1	0	9	0	1108,576	sp|P00830	sp|P00830	407
0	1	0	9	0	970,5084	sp|P05626	sp|P05626	215
1	2	0	12	0	1251,671	sp|P04840	sp|P04840	237
0	1	0	11	0	1254,625	sp|Q03707	sp|Q03707	494
0	1	0	12	1	1377,714	sp|P07257	sp|P07257	167
1	2	0	16	2	1868,988	sp|P07257	sp|P07257	167
0	4	0	15	0	1614,847	sp|P36112	sp|P36112	492
1	1	0	8	0	1060,509	sp|P33421	sp|P33421	129
0	2	0	23	0	2424,209	sp|P13181	sp|P13181	288
0	2	0	10	0	1059,571	sp|P53075	sp|P53075	61
0	3	0	12	0	1271,636	sp|P05030	sp|P05030	458
0	1	0	12	0	1345,636	sp|P34248	sp|P34248	235
1	1	0	11	0	1323,686	sp|Q02725	sp|Q02725	437
0	2	0	16	0	1815,981	sp|P40215	sp|P40215	314
0	1	0	9	0	1089,524	CON__P13	CON__P13	148
0	2	0	17	0	1859,915	sp|P46964	sp|P46964	12
0	2	0	12	0	1196,64	sp|P07251	sp|P07251	144
0	2	0	20	1	1934,022	sp|P07251	sp|P07251	144
1	2	0	10	0	1115,634	sp|P00830	sp|P00830	173
0	2	0	10	0	1015,549	sp|P11491	sp|P11491	206
0	2	0	8	0	969,5607	sp|P05030	sp|P05030	618
0	2	0	8	0	863,4501	sp|P32843	sp|P32843	793
0	2	0	10	2	1167,774	sp|P46971	sp|P46971	535
0	3	0	16	0	1597,981	sp|P38885	sp|P38885	44
0	2	0	12	0	1200,635	sp|P07560	sp|P07560	141
0	3	0	9	0	978,5862	sp|P32386	sp|P32386	753
2	1	0	8	0	1169,566	sp|P54783	sp|P54783	224
2	2	0	19	0	1921,957	sp|P40035	sp|P40035	72
1	4	0	21	2	2391,228	sp|P07257	sp|P07257	179
2	1	0	7	0	897,4345	sp|P40098	sp|P40098	124
0	1	0	12	0	1474,742	CON__P04	CON__P04	212

0	1	0	15	0	1790,815	sp|P00424	sp|P00424	38
0	1	0	9	1	1129,64	sp|P08067	sp|P08067	111
2	0	0	7	0	918,4236	sp|P28241	sp|P28241	186
1	0	0	9	0	1085,522	sp|P18239	sp|P18239	67
1	0	0	10	1	1241,623	sp|P18239	sp|P18239	67
2	0	0	7	0	918,4712	sp|P22855	sp|P22855	938
2	0	0	11	1	1283,676	sp|P16622	sp|P16622	137
2	0	0	10	0	1163,569	sp|P04840	sp|P04840	165
1	0	0	7	0	829,4446	sp|P32386	sp|P32386	1390
1	1	0	7	0	893,4647	sp|P02994	sp|P02994	56
1	0	0	13	0	1311,613	sp|P38286	sp|P38286	64
1	0	0	9	0	1115,471	sp|P18239	sp|P18239	265
1	0	0	10	1	1243,566	sp|P18239	sp|P18239	265
2	3	0	21	0	2366,125	sp|P00830	sp|P00830	482
2	2	0	12	0	1441,655	sp|P07257	sp|P07257	129
1	0	0	9	1	1077,534	sp|P21560	sp|P21560	314
1	0	0	11	0	1314,591	sp|P25379	sp|P25379	27
1	0	0	10	0	1178,593	CON__P04	CON__P04	377
1	0	0	10	0	1193,568	CON__Q92	CON__Q92	359
1	2	0	16	0	1783,885	sp|P38631	sp|P38631	1139
2	1	0	16	1	2079,943	sp|P00427	sp|P00427	56
1	1	0	8	0	992,4927	CON__P13	CON__P13	238
1	1	0	9	0	1150,562	sp|P39103	sp|P39103	44
3	2	0	32	0	3784,716	sp|P00410	sp|P00410	128
1	0	0	12	0	1445,734	sp|P18239	sp|P18239	97
1	0	0	14	1	1688,856	sp|P18239	sp|P18239	97
1	0	0	16	2	1930,035	sp|P18239	sp|P18239	97
1	3	0	15	0	1751,898	sp|P54783	sp|P54783	26
1	2	0	21	0	2344,268	sp|P41543	sp|P41543	114
1	1	0	19	0	2018,047	sp|P32843	sp|P32843	221
1	0	0	9	0	1118,499	sp|P00560	sp|P00560	123
2	1	0	10	0	1250,702	CON__P02	CON__P02	25
1	2	0	20	0	2026,125	sp|P46367	sp|P46367	230
1	0	0	10	1	1208,604	sp|P25628	sp|P25628	335
1	0	0	8	1	1026,502	sp|P40086	sp|P40086	141
2	1	0	10	1	1314,609	sp|P00427	sp|P00427	113
2	0	0	7	0	824,4432	sp|P05626	sp|P05626	107
2	0	0	13	1	1499,741	sp|P05626	sp|P05626	107
1	1	0	7	0	924,4375	sp|P13181	sp|P13181	268
1	2	0	12	1	1466,708	sp|P13181	sp|P13181	268
1	2	0	13	2	1622,809	sp|P13181	sp|P13181	268
1	0	0	9	0	1036,519	CON__P35	CON__P35	245
1	0	0	8	0	1064,471	sp|P14020	sp|P14020	168
1	1	0	10	0	1106,561	sp|P04840	sp|P04840	225
2	1	0	14	1	1759,867	sp|P40215	sp|P40215	330
1	0	0	10	0	1207,599	sp|P00890	sp|P00890	342
2	0	0	14	0	1540,752	sp|P32340	sp|P32340	441
1	2	0	12	0	1354,699	sp|P02994	sp|P02994	85
1	1	0	14	1	1664,801	sp|P34248	sp|P34248	233
2	0	0	7	0	927,4814	sp|P38077	sp|P38077	284

1	0	0	7	0	867,3974	sp|P13181	sp|P13181	38
1	0	0	10	0	1066,53	sp|P49573	sp|P49573	191
2	0	0	13	2	1640,791	sp|P21147	sp|P21147	204
1	0	0	11	1	1148,583	sp|P28241	sp|P28241	26
1	1	0	14	0	1623,833	sp|P38264	sp|P38264	115
1	1	0	17	0	1810,899	sp|P28241	sp|P28241	37
1	1	0	10	0	1225,576	sp|P19073	sp|P19073	154
1	1	0	14	0	1466,635	sp|P38264	sp|P38264	65
1	3	0	21	1	2264,111	sp|P38264	sp|P38264	65
1	1	0	12	0	1513,757	sp|P47075	sp|P47075	201
2	1	0	7	0	858,4123	sp|Q03798	sp|Q03798	245
2	0	0	11	0	1412,611	sp|P32368	sp|P32368	484

End positic	Unique (Gr	Unique (Pr	Charges	PEP	Score	Experimen	Intensity	Intensity T
161	yes	yes	1	0,044857	21,3	1	190730	190730
250	yes	yes	2	0,001818	107,21	1	1,26E+08	1,26E+08
233	yes	yes	1;2	0,003951	121,29	2	49220000	49220000
70	yes	yes	2	5,96E-07	189,17	1	17889000	17889000
276	yes	yes	2	0,000163	159,83	1	4852000	4852000
179	yes	yes	2	0,027336	62,107	1	1718500	1718500
184	yes	yes	3	0,013389	63,225	1	1027000	1027000
283	yes	yes	2	0,017268	68,786	1	3300200	3300200
182	yes	yes	2	0,005515	76,82	1	31407000	31407000
753	yes	yes	2;3	3,99E-14	191,78	2	0	0
271	yes	yes	2;3	0,000379	108,9	2	31372000	31372000
443	yes	yes	2	0,000299	87,99	1	4594000	4594000
842	yes	yes	2	0,002857	92,051	1	18378000	18378000
284	yes	yes	2	8,64E-05	98,572	1	0	0
285	yes	yes	3	6,24E-05	90,561	1	0	0
376	yes	yes	2	2,16E-06	202,96	1	6924500	6924500
228	yes	yes	2	4,49E-08	197,38	1	53388000	53388000
439	yes	yes	2	1,14E-09	165,16	1	1243500	1243500
26	yes	yes	2	0,045482	52,683	1	982470	982470
134	yes	yes	2	0,000796	99,752	1	1317200	1317200
215	yes	yes	2	0,003572	107,69	1	9854700	9854700
113	yes	yes	3	4,04E-05	86,539	1	0	0
378	yes	yes	3	0,010224	68,224	1	7358400	7358400
359	yes	yes	2	0,002844	92,239	1	1978700	1978700
504	yes	yes	2	2,45E-06	158,86	1	4410200	4410200
149	yes	yes	3	0,008543	49,555	1	725940	725940
831	yes	yes	2	2,27E-06	149,33	1	0	0
62	yes	yes	2	0,003258	78,674	1	5064500	5064500
28	yes	yes	2	0,00555	82,417	1	1426000	1426000
303	yes	yes	3	0,014412	41,784	1	1073200	1073200
1754	yes	yes	2	0,046308	44,973	1	889490	889490
91	yes	yes	2;3	0,002143	114,89	2	32170000	32170000
75	yes	yes	3	0,041032	40,154	1	444010	444010
223	yes	yes	2;3	9,42E-08	161,21	2	16650000	16650000
10	yes	yes	2	0,030178	54,982	1	1886300	1886300
90	yes	yes	3;4	1,88E-06	152,96	2	1,98E+08	1,98E+08
515	yes	yes	2	7,43E-06	169,21	1	16808000	16808000
188	yes	yes	4	0,04592	4,3216	1	4123900	4123900
177	yes	yes	2	0,025764	50,786	1	0	0
325	yes	yes	2	0,001823	139,97	1	4420700	4420700
198	yes	yes	3	0,002115	68,625	1	2281100	2281100
451	yes	yes	2	0,000458	107,39	1	1671000	1671000
127	yes	yes	2	0,000724	139,97	1	7100700	7100700
736	yes	no	2	6,32E-06	128,85	1	1640700	1640700
343	yes	no	2	0,003455	107,43	1	0	0
16	yes	yes	3	0,029621	52,009	1	1112500	1112500
403	yes	no	3	0,010441	67,704	1	3118900	3118900
61	yes	yes	2;3;4	3,44E-19	256,71	3	8,53E+08	8,53E+08
248	yes	yes	2;3	3,73E-06	133,23	2	11096000	11096000

102	yes	yes		2	0,003065	89,029	1	1734900	1734900
146	no	no		2	0,000998	95,183	1	1548700	1548700
70	yes	yes		2	7,39E-07	130,27	1	865140	865140
177	yes	no		2	3,97E-13	253,42	1	33001000	33001000
167	yes	yes	2;3		4,88E-08	222,18	2	36427000	36427000
64	yes	yes		3	0,011869	65,157	1	763920	763920
242	yes	yes		2	0,027463	63,694	1	431200	431200
354	yes	yes	2;3		0,018871	66,92	2	3792300	3792300
156	yes	yes		2	0,000706	140,83	1	13051000	13051000
65	yes	yes		2	4,56E-08	163,62	1	2135400	2135400
104	yes	yes	2;3		1,54E-06	172,17	2	23269000	23269000
227	yes	yes		2	0,000866	98,582	1	0	0
125	yes	yes		3	0,034672	42,797	1	0	0
244	yes	yes		3	0,041475	32,523	1	1689300	1689300
166	yes	yes		2	0,002969	139,28	1	9428700	9428700
183	yes	yes	3;4		3,36E-05	90,084	2	0	0
103	yes	yes		3	0,000262	98,592	1	3083200	3083200
141	yes	yes		2	3,72E-17	234,04	1	0	0
142	yes	yes	2;3		1,79E-08	180,95	2	1,49E+08	1,49E+08
39	yes	yes		3	0,045191	37,812	1	967620	967620
937	yes	yes		3	0,022739	50,46	1	0	0
510	yes	yes	2;3		1,18E-29	311,7	2	60051000	60051000
176	yes	yes		2	0,008399	92,692	1	77782000	77782000
262	yes	yes		2	1,92E-09	179,79	1	31919000	31919000
184	yes	yes		2	8,51E-06	122,64	1	2344100	2344100
1048	yes	yes		2	0,000392	99,669	1	0	0
811	yes	no	2;3		2,37E-07	121,77	2	2008200	2008200
80	yes	yes		2	0,009662	66,152	1	1115700	1115700
115	yes	yes	2;3		3,06E-11	169,49	2	18898000	18898000
205	yes	yes		2	0,000104	119,74	1	2072600	2072600
62	yes	yes		2	5,17E-05	125,82	1	1278800	1278800
142	yes	yes		2	0,000578	101,72	1	1175100	1175100
52	yes	yes		2	3,41E-06	151,56	1	28689000	28689000
165	yes	yes		2	1,86E-13	242,4	1	46831000	46831000
368	no	no		2	2,58E-07	209,73	1	20554000	20554000
352	yes	yes		2	0,025662	79,659	1	2343100	2343100
184	yes	yes		2	0,004046	119,56	1	8489600	8489600
2057	yes	yes		4	0,04455	18,234	1	3664300	3664300
122	yes	yes		2	0,025898	76,01	1	0	0
205	yes	yes		2	1,78E-09	213,35	1	18638000	18638000
225	yes	yes	2;3		0,000789	90,689	2	7838000	7838000
395	yes	yes		2	2,83E-05	146,16	1	3772800	3772800
111	yes	yes		3	2,20E-05	103,73	1	3287900	3287900
514	yes	yes		2	0,003995	104,01	1	3298200	3298200
151	yes	yes		2	0,007677	80,688	1	1916800	1916800
224	yes	yes		3	6,66E-05	99,273	1	0	0
69	yes	yes		2	0,000721	92,939	1	2645000	2645000
113	yes	yes		2	0,000456	101,61	1	1058400	1058400
198	yes	yes		2	0,000269	147,75	1	42017000	42017000
461	yes	yes	2;3		0,006496	79,201	2	16404000	16404000

31	yes	no		2	4,58E-06	127,03	1	1882400	1882400
44	yes	yes		2	0,003611	85,676	1	10240000	10240000
334	yes	yes		3	0,042379	38,75	1	987660	987660
194	yes	yes		2	0,003271	110,31	1	2341600	2341600
502	yes	yes	3;4		1,82E-05	96,777	2	0	0
329	yes	yes		3	0,043464	29,172	1	458820	458820
174	yes	yes	2;3		3,08E-20	272,09	2	36123000	36123000
279	yes	yes	2;3		3,19E-23	238,8	2	27231000	27231000
56	yes	no		3	0,000167	97,273	1	3456300	3456300
335	yes	yes		3	0,00948	65,295	1	1500600	1500600
462	yes	yes		3	0,023946	50,791	1	1027000	1027000
132	yes	yes		3	0,019994	63,816	1	0	0
244	yes	yes		3	0,01371	61,78	1	0	0
374	yes	yes		3	0,000122	102,15	1	8712000	8712000
80	yes	yes		3	0,020011	52,937	1	243500	243500
126	yes	yes		2	0,01587	70,412	1	3072000	3072000
393	yes	yes		2	0,002501	85,963	1	734650	734650
182	yes	yes		2	4,21E-08	169,92	1	5812500	5812500
111	yes	yes		2	0,00023	101,05	1	521940	521940
105	yes	yes		3	0,007668	70,134	1	949800	949800
219	yes	yes		3	0,041023	42,068	1	1506000	1506000
352	yes	yes		2	0,032263	98,044	1	2790200	2790200
182	yes	yes		2	0,000395	151,22	1	4731800	4731800
255	yes	yes		2	5,59E-05	136,5	1	2497100	2497100
115	yes	yes	2;3		1,77E-06	131,84	2	29105000	29105000
40	yes	yes		3	4,94E-05	88,565	1	5854600	5854600
615	yes	yes		2	0,002061	91,549	1	1199000	1199000
149	yes	yes		2	0,002179	84,892	1	3752700	3752700
61	yes	yes		2	2,47E-05	149,94	1	2,49E+08	2,49E+08
120	yes	yes	2;3		0,00263	85,813	2	19253000	19253000
53	yes	yes	2;3		0,000767	114,5	2	1,86E+08	1,86E+08
41	yes	yes		2	0,000154	160,77	1	11713000	11713000
287	yes	yes	3;4		3,88E-06	90,921	2	12075000	12075000
368	yes	yes		3	1,64E-05	92,499	1	2417800	2417800
183	yes	yes		2	0,005682	89,355	1	4008900	4008900
532	yes	yes		4	0,00354	65,265	1	0	0
350	yes	yes		4	0,019401	53,237	1	911420	911420
116	yes	yes		2	7,39E-07	178,95	1	12403000	12403000
118	yes	yes		3	3,84E-06	147,73	1	18357000	18357000
111	yes	yes		2	0,00134	143,28	1	3669400	3669400
488	yes	yes		3	0,011725	63,966	1	725310	725310
205	yes	yes		2	3,40E-06	168,76	1	1712800	1712800
700	yes	yes		2	0,018489	61,344	1	2130500	2130500
23	yes	yes		2	0,000108	157,78	1	0	0
266	yes	yes		3	2,15E-08	131,97	1	0	0
1261	yes	no		2	0,001093	88,224	1	479230	479230
50	yes	yes		3	0,00566	54,15	1	847270	847270
95	yes	yes		2	4,69E-06	193,3	1	0	0
141	yes	yes		3	0,001191	73,672	1	1778600	1778600
145	yes	yes		2	9,64E-08	160,84	1	3986200	3986200

294	yes	yes		2	3,07E-05	174,86	1	781350	781350
302	yes	yes		2	7,28E-13	242,48	1	57313000	57313000
303	yes	yes	2;3		2,22E-07	198,29	2	2,11E+08	2,11E+08
296	yes	yes		2	5,27E-10	179,9	1	995410	995410
41	yes	yes		2	0,010418	61,015	1	677150	677150
70	yes	yes	2;3		2,07E-12	178,22	2	44248000	44248000
160	yes	yes		2	1,03E-07	185,66	1	1999100	1999100
177	yes	yes		2	0,018953	71,342	1	615370	615370
174	yes	yes		2	0,030251	56,258	1	0	0
96	yes	yes		3	0,009748	81,526	2	0	0
42	yes	yes		2	6,46E-07	143,93	1	1520400	1520400
335	yes	yes		2	2,99E-07	190,78	1	10544000	10544000
633	yes	yes		2	0,000299	106,76	1	1154100	1154100
237	yes	yes		2	0,001426	90,434	1	6236600	6236600
476	yes	yes		2	0,000247	133,81	1	0	0
21	yes	yes	1;2		0,00399	104,06	2	4551900	4551900
93	yes	yes		2	1,49E-07	151,99	1	2184300	2184300
53	yes	yes		2	0,008271	77,318	1	0	0
410	yes	yes	2;3		0,001119	83,856	2	0	0
298	yes	yes		2	0,020178	76,282	1	0	0
274	yes	yes		2	0,000663	142,98	1	15543000	15543000
85	yes	yes		2	5,23E-08	195,87	1	3805400	3805400
79	yes	no		2	0,002132	102,62	1	32128000	32128000
297	yes	yes		2	0,036245	51,346	1	0	0
349	yes	yes		3	2,09E-05	123,95	1	5700300	5700300
266	yes	yes	2;3		9,61E-10	166,9	2	15059000	15059000
267	yes	yes		3	0,002648	75,316	1	2263400	2263400
145	yes	yes	2;3		0,00389	101,72	2	7002900	7002900
384	yes	yes		2	0,016343	70,056	1	2264800	2264800
235	yes	yes		2	5,88E-05	171,67	1	4335900	4335900
653	yes	yes		2	0,03832	48,091	1	1862900	1862900
205	yes	yes		3	0,000746	73,865	1	1738500	1738500
303	yes	yes		2	0,000163	183,43	1	8764200	8764200
270	yes	yes		2	0,040511	98,418	1	12342000	12342000
620	yes	yes		2	1,26E-05	163,46	1	6318000	6318000
111	yes	yes		2	5,26E-13	192,6	1	3954500	3954500
341	yes	yes	2;3		2,24E-05	122,52	2	18672000	18672000
106	yes	yes		4	0,040005	27,025	1	1181800	1181800
393	yes	yes		2	0,025657	58,63	1	1655700	1655700
423	yes	yes	2;3		0,006309	73,36	2	4986900	4986900
600	yes	yes		3	0,016955	56,936	1	0	0
179	yes	yes		2	4,92E-05	111,7	1	3786300	3786300
71	yes	yes		2	1,58E-07	176,25	1	1691900	1691900
45	yes	yes		2	0,016522	79,116	1	15930000	15930000
82	yes	yes	2;3		0,021771	68,383	2	4509100	4509100
102	yes	yes		2	6,21E-06	117,27	1	0	0
99	yes	yes		2	4,43E-07	193,62	1	62994000	62994000
211	yes	yes		2	0,010926	70,197	1	1259200	1259200
68	yes	yes		2	2,31E-08	154,46	1	7827000	7827000
235	yes	yes		3	0,001133	78,228	1	0	0

243	yes	yes		3	0,015634	42,661	1	0	0
676	yes	yes		3	0,014291	65,252	1	511980	511980
146	yes	yes		2	0,001054	149,23	1	543230	543230
53	yes	yes		2	0,001	126,24	1	12394000	12394000
97	yes	yes		2	0,038256	57,281	1	2513200	2513200
55	yes	yes		2	0,03941	56,122	1	11135000	11135000
251	yes	yes		2	0,000844	133,99	1	1,21E+08	1,21E+08
181	yes	yes		3	0,00695	52,451	1	1199300	1199300
127	yes	yes	2;3		2,54E-06	170,95	2	1,07E+08	1,07E+08
54	yes	yes	2;3		0,000223	145,91	2	31070000	31070000
61	yes	yes		2	0,001254	86,911	1	2799200	2799200
443	yes	yes		2	0,010188	57,173	1	476660	476660
315	yes	yes		2	1,52E-05	160,52	1	3248400	3248400
208	yes	yes		2	1,81E-06	137,73	1	0	0
114	yes	yes		2	0,002149	90,05	1	3938600	3938600
126	yes	yes		3	0,022647	38,736	1	1021600	1021600
141	yes	yes		4	0,016285	42,791	1	1773600	1773600
345	yes	yes		2	0,001571	95,358	1	0	0
28	yes	yes		2	0,002334	90,15	1	1930300	1930300
659	yes	yes		2	2,01E-06	138,05	1	2007500	2007500
155	yes	yes		2	0,002401	122,18	1	7350100	7350100
362	yes	yes		2	2,72E-12	181,86	2	1067200	1067200
371	yes	yes		2	0,000121	91,401	1	0	0
455	yes	yes	2;3		3,05E-06	154,28	2	6269000	6269000
511	yes	yes		2	6,29E-06	116,9	1	0	0
454	yes	yes		2	1,88E-05	114,58	1	891190	891190
198	yes	yes		2	6,74E-09	159,4	1	0	0
199	yes	yes	2;3		2,14E-23	289,87	2	61750000	61750000
269	yes	yes		2	1,52E-06	133,9	1	677320	677320
276	yes	yes		2	0,020503	69,812	1	774530	774530
510	yes	yes		2	0,001365	86,911	1	1798500	1798500
141	yes	yes		2	1,32E-06	135,55	1	749240	749240
437	yes	yes		2	1,86E-06	153,81	1	0	0
979	yes	yes		3	0,030467	40,983	1	4201500	4201500
79	yes	yes	1;2		0,00027	121,05	2	25755000	25755000
334	yes	yes		2	2,85E-09	148,33	1	6050500	6050500
493	yes	yes		2	0,002836	97,813	1	0	0
42	yes	yes		2	0,035719	42,864	1	0	0
184	yes	yes		2	2,14E-06	136,6	1	0	0
38	yes	yes	2;3		7,81E-16	210,47	2	0	0
72	yes	no	2;3		0,000781	137,14	2	7804600	7804600
113	yes	yes		2	0,013977	73,665	1	0	0
247	yes	yes		2	4,09E-07	184,98	1	16626000	16626000
177	yes	yes		2	0,013347	82,305	1	4980400	4980400
452	yes	yes		2	7,53E-16	231,37	1	4806800	4806800
181	yes	yes		2	0,013007	78,264	1	17694000	17694000
156	yes	yes		3	0,028297	48,115	1	4601700	4601700
306	yes	yes		2	0,002488	97,431	1	2774200	2774200
180	yes	yes		2	2,72E-06	135,02	1	4277800	4277800
165	yes	yes		2	0,010143	77,662	1	4485700	4485700

355	yes	yes		2	0,014264	68,787	1	0	0
353	yes	yes		2	1,10E-12	191,44	1	947120	947120
80	yes	yes		2	0,01081	75,819	1	1008700	1008700
105	yes	yes		2	3,88E-05	176,38	1	4262700	4262700
58	yes	yes		2	0,000155	114,24	1	2696200	2696200
42	yes	yes	2;3		5,63E-12	171,04	2	0	0
123	yes	yes		2	0,001858	106,62	1	2440800	2440800
201	no	no		2	0,026394	69,198	1	1197600	1197600
203	no	no		3	0,017656	54,722	1	1422700	1422700
61	yes	yes		2	4,98E-16	230,82	1	0	0
376	yes	yes		2	0,002637	145,34	1	9136100	9136100
240	yes	yes		2	4,24E-07	194,17	1	2475500	2475500
156	yes	yes		2	0,011024	96,492	1	0	0
112	yes	yes		2	1,45E-13	247,73	1	24616000	24616000
230	yes	yes		2	4,45E-05	199,29	1	25407000	25407000
232	yes	yes	2;3		0,000649	112,3	2	54703000	54703000
242	yes	yes		2	1,30E-10	159,44	1	3060800	3060800
585	yes	yes		2	0,015992	66,004	1	1150500	1150500
98	yes	yes		2	6,51E-05	125,31	1	0	0
99	yes	yes	2;3		0,000559	134,05	2	59541000	59541000
80	yes	yes		3	0,020376	41,912	1	769900	769900
105	yes	no		2	0,008989	89,369	1	815210	815210
829	yes	yes		3	6,56E-05	97,081	1	2428500	2428500
247	yes	yes	2;3		1,14E-09	190,57	2	77150000	77150000
154	yes	yes		2	0,02862	92,112	1	1559300	1559300
49	yes	yes		3	0,011688	60,161	1	2457000	2457000
137	yes	yes		3	0,009683	57,034	1	0	0
419	yes	yes		2	0,018157	80,632	1	0	0
42	yes	yes	2;3		0,000281	126,12	2	0	0
600	yes	yes		3	0,010156	59,68	1	2506400	2506400
171	yes	yes		2	0,001956	138,24	1	1429300	1429300
188	no	no		2	0,016876	64,207	1	0	0
215	no	no		2	3,45E-17	274,59	1	32162000	32162000
223	yes	yes		3	1,13E-08	140,48	1	1858700	1858700
251	yes	yes		2	0,000566	168,27	1	7411600	7411600
686	yes	yes		2	0,004308	83,862	1	1439500	1439500
463	yes	yes	2;3		0,000126	93,029	2	21659000	21659000
156	yes	yes		2	0,026093	58,23	1	0	0
62	yes	yes		2	4,14E-15	292,4	1	1,98E+08	1,98E+08
368	yes	yes		2	4,90E-30	317,31	1	43860000	43860000
57	yes	yes		2	0,005306	110,12	1	67104000	67104000
58	yes	yes		3	0,001457	117,81	1	5845300	5845300
219	yes	yes		2	0,004148	79,326	1	3073100	3073100
54	yes	yes		2	0,000276	104,2	1	1791300	1791300
92	yes	yes		3	0,01575	57,149	1	3622900	3622900
54	yes	yes		2	0,000358	92,439	1	990890	990890
94	yes	yes		2	0,003071	83,243	1	985690	985690
391	yes	yes		2	5,30E-10	179,74	1	673620	673620
392	yes	yes		3	0,004966	68,283	1	1113100	1113100
745	yes	yes		3	5,30E-05	91,622	1	3238700	3238700

65	yes	yes		2	2,94E-08	143,23	1	2704600	2704600
59	yes	yes		2	0,000134	113,37	1	12224000	12224000
367	yes	yes	2;3		0,019121	65,495	2	5614500	5614500
290	yes	yes		2	8,73E-13	237,67	1	3898600	3898600
307	yes	yes		2	1,07E-15	252,52	1	15125000	15125000
213	yes	yes		2	4,07E-10	203,29	1	1,02E+08	1,02E+08
308	yes	yes	2;3		0,001072	113,71	2	38533000	38533000
144	yes	yes		3	0,00841	70,685	1	1494000	1494000
421	yes	yes		3	0,001058	81,01	1	0	0
196	yes	yes	2;3		7,67E-08	132,64	2	21488000	21488000
132	yes	yes		2	0,00142	150,4	1	82327000	82327000
394	no	no		2	3,70E-05	134,13	1	22117000	22117000
504	yes	yes		2	0,002263	88,134	1	20623000	20623000
294	yes	no		2	0,002564	117,16	1	2,21E+08	2,21E+08
482	yes	yes		3	0,003768	74,89	1	1648800	1648800
97	yes	yes		2	0,024552	65,246	1	9078000	9078000
153	yes	yes		2	0,000576	107,11	1	1395300	1395300
271	yes	yes		2	0,000167	86,016	1	0	0
316	yes	yes		2	2,23E-06	160,48	1	10842000	10842000
635	yes	yes		4	0,013022	45,942	1	2313300	2313300
287	yes	yes		2	0,034388	57,047	1	0	0
230	yes	yes		2	0,000717	101,53	1	2828500	2828500
204	yes	yes		2	3,29E-06	152,47	1	26440000	26440000
34	yes	no		2	2,65E-09	185,66	1	19857000	19857000
549	yes	yes		2	2,77E-08	124,82	1	3452600	3452600
95	yes	yes		2	2,07E-05	92,623	1	816130	816130
191	yes	yes		2	0,001585	99,568	1	2007100	2007100
578	yes	yes		2	0,015403	51,044	1	1566000	1566000
619	yes	yes		3	0,00062	59,167	1	2530600	2530600
513	yes	yes		2	1,14E-05	111,25	1	5142400	5142400
601	yes	yes		2	4,94E-06	125,47	1	2665900	2665900
629	yes	yes		2	0,013567	53,625	1	325550	325550
75	yes	yes		2	0,000131	114,76	1	1041700	1041700
123	yes	yes		2	0,004435	100,19	1	4767600	4767600
950	yes	yes		3	0,040133	47,971	1	929090	929090
625	yes	yes		3	0,001955	68,168	1	0	0
200	yes	yes		2	0,010317	81,296	1	924770	924770
47	yes	yes		2	0,00829	77,282	1	0	0
410	yes	yes	2;3		9,17E-08	157,33	2	11821000	11821000
387	yes	yes		2	1,69E-06	120,63	1	14189000	14189000
94	yes	yes		2	8,42E-06	149,23	1	0	0
322	yes	yes	2;3		1,35E-09	214	2	2,58E+08	2,58E+08
125	yes	yes		3	0,002443	58,361	1	3779200	3779200
320	yes	yes	2;3		0,000524	105,25	2	5191100	5191100
373	yes	yes		2	9,53E-05	122,69	1	1394200	1394200
126	yes	yes	2;3		1,75E-05	145,14	2	20632000	20632000
117	yes	yes		2	2,12E-13	239,03	1	1032800	1032800
175	yes	yes	2;3		1,43E-05	148,78	2	6841400	6841400
227	yes	yes		2	0,001186	74,222	1	0	0
410	yes	yes		2	0,030768	64,803	1	3942700	3942700

417	yes	yes	2;3		6,97E-06	121,45	2	13023000	13023000
261	yes	yes		2	7,84E-05	133,04	1	2281200	2281200
542	yes	yes		2	0,000106	98,227	1	574410	574410
536	yes	no		2	0,00423	66,152	1	0	0
601	yes	yes		2	0,007484	70,802	1	653380	653380
107	yes	no		2	0,00524	93,195	1	16399000	16399000
117	yes	yes		2	9,03E-17	209,25	1	0	0
61	yes	yes		2	0,016864	45,952	2	0	0
110	yes	yes		2	0,002497	119,21	1	863400	863400
46	yes	yes		2	1,11E-06	122,16	1	2230100	2230100
215	yes	yes		2	7,94E-08	127,5	1	3158100	3158100
986	yes	yes		3	0,034511	44,543	1	367430	367430
163	yes	yes		2	0,004992	95,352	1	5033000	5033000
590	yes	yes		4	0,038715	21,359	1	774170	774170
1053	yes	no		4	0,026574	40,278	1	1361100	1361100
135	yes	yes		3	0,012719	54,09	1	0	0
405	yes	yes	3;4		0,000161	93,243	2	0	0
448	yes	yes		3	0,028412	37,477	1	738700	738700
384	yes	yes		2	1,28E-06	167,73	1	4207700	4207700
59	yes	yes		2	3,09E-10	168,08	1	4340400	4340400
405	yes	yes		3	1,01E-05	96,466	1	1605700	1605700
616	yes	yes		2	0,000364	103,97	1	0	0
115	yes	yes		3	0,00015	91,616	1	4435100	4435100
194	yes	yes		2	0,003047	120,45	1	2653900	2653900
79	yes	yes		3	0,034346	51,726	1	2198300	2198300
550	yes	yes		2	0,000111	86,189	1	1563500	1563500
270	yes	yes		2	0,012331	70,889	1	1035400	1035400
394	yes	yes		2	5,34E-06	123,76	1	3724900	3724900
62	yes	yes		2	0,012011	71,316	1	4243100	4243100
606	yes	yes		2	0,016064	70,399	1	12418000	12418000
149	yes	yes		2	5,22E-05	125,54	1	37599000	37599000
315	yes	yes		3	4,43E-05	93,181	1	0	0
316	yes	yes	2;3		1,63E-07	116,69	2	0	0
55	yes	yes	2;3		2,38E-11	205,27	2	10253000	10253000
91	yes	yes		3	0,043917	14,844	1	1172200	1172200
146	yes	yes		2	0,020283	65,278	1	4495500	4495500
769	yes	yes		4	0,0457	27,672	1	1442600	1442600
67	yes	yes		2	1,38E-13	248,67	1	55250000	55250000
664	yes	yes		2	0,000522	105,95	1	991920	991920
296	yes	yes		2	0,028253	76,228	1	727480	727480
548	yes	yes		2	1,89E-11	205,52	1	3761300	3761300
643	yes	no		2	1,08E-12	181,86	1	0	0
310	yes	yes		2	4,37E-06	172,61	1	21876000	21876000
28	yes	yes		2	0,003483	84,821	1	1036900	1036900
405	yes	yes		3	0,001595	84,605	1	0	0
27	yes	yes		4	0,045576	8,0164	1	249880	249880
226	yes	yes		2	3,83E-37	303,36	1	0	0
118	yes	no		4	0,036581	38,674	1	6453800	6453800
68	yes	yes		3	0,009225	68,171	1	2291800	2291800
1390	yes	no		4	0,024617	29,135	1	1275800	1275800

130	yes	yes		3	1,53E-05	116,98	1	2740000	2740000
524	yes	yes		3	0,009858	67,749	1	3765700	3765700
285	yes	yes		2	0,001278	93,345	1	4599500	4599500
120	yes	yes	3;4		0,003444	80,245	2	9793300	9793300
385	yes	yes		2	0,002746	93,667	1	2391700	2391700
146	yes	yes	2;3		1,08E-10	201,04	2	6467000	6467000
165	yes	yes		2	0,014204	61,213	1	0	0
357	yes	yes		4	0,004872	74,133	1	15739000	15739000
146	yes	yes		4	0,001802	77,543	1	0	0
61	yes	yes		3	1,56E-16	234,63	1	12549000	12549000
482	yes	yes		3	0,017444	54,871	1	0	0
607	yes	no		2	0,009504	86,472	1	5056100	5056100
309	yes	yes		2	0,015206	80,438	1	4238300	4238300
525	yes	yes		3	0,000638	92,611	1	7002600	7002600
126	yes	yes		4	0,044965	29,638	1	736380	736380
66	yes	yes		2	0,000732	104,05	1	1084400	1084400
191	yes	yes		2	0,009446	82,279	1	2513500	2513500
24	yes	yes		3	0,032718	44,863	1	10920000	10920000
38	yes	yes	2;3		0,001122	120,15	2	34217000	34217000
215	yes	yes		2	4,29E-08	169,79	1	2239700	2239700
485	yes	yes		2	0,01773	59,634	1	1467100	1467100
504	yes	yes		2	0,000109	106,42	1	0	0
137	yes	yes		2	4,24E-15	207,66	1	1777700	1777700
494	yes	yes		2	0,026056	50,831	1	1272100	1272100
416	yes	yes		2	0,025073	70,525	1	37528000	37528000
132	yes	yes		3	0,000152	104,7	1	5508600	5508600
343	yes	yes	3;4		0,000749	85,163	2	2748000	2748000
47	yes	yes		2	0,017289	45,844	1	0	0
'21_YEAST	yes	no		2	0,02873	47,187	1	0	0
113	yes	yes		2	0,001309	104,22	1	2877900	2877900
188	yes	yes		2	0,008887	75,483	1	2096700	2096700
156	yes	yes		2	9,40E-09	174,21	1	2877500	2877500
243	yes	yes		2	0,017782	72,879	1	41001000	41001000
407	no	no		2	0,00018	176,44	1	11724000	11724000
283	yes	yes		2	0,000326	121,36	1	0	0
22	yes	yes	2;3		3,12E-05	132,5	2	5272500	5272500
239	yes	yes	2;3		2,76E-19	215,62	2	6720900	6720900
133	yes	yes		2	0,019612	70,816	1	6379700	6379700
510	yes	yes		2	9,28E-08	187,62	1	13456000	13456000
34	yes	yes		2	3,99E-05	142,1	1	9927900	9927900
35	yes	yes	2;3		0,017182	67,214	2	12227000	12227000
414	yes	yes		2	1,28E-05	145,81	1	3286800	3286800
264	yes	yes		2	7,48E-05	129,89	1	28816000	28816000
196	yes	yes		2	0,000112	117,01	1	19582000	19582000
138	yes	yes		4	0,013776	49,773	1	5881400	5881400
373	yes	yes	2;3		0,003278	82,85	2	1598600	1598600
180	yes	yes		2	0,001472	138,06	1	1936800	1936800
150	yes	yes	3;4		0,02402	51,286	2	31854000	31854000
89	yes	yes		3	0,017049	55,37	1	341040	341040
90	yes	yes		3	0,011842	64,841	1	566550	566550

130	yes	yes	2;3		0,005141	61,096	2	1577900	1577900
290	yes	yes		2	0,031152	65,246	1	177940	177940
191	yes	no		2	0,005651	72,772	1	1099800	1099800
139	yes	yes		2	4,96E-05	127,02	1	14194000	14194000
143	yes	yes	2;3		2,25E-07	187,08	2	25404000	25404000
97	yes	yes		3	5,88E-05	89,468	1	0	0
84	yes	yes	2;3		2,98E-10	231,52	2	43842000	43842000
85	yes	yes		3	0,018976	65,234	1	0	0
236	yes	no	2;3		0,002433	97,635	2	11982000	11982000
184	yes	no	2;3		0,002404	132,76	2	38146000	38146000
216	yes	yes		3	0,025475	48,794	1	286180	286180
67	yes	yes	2;3		2,83E-12	216	2	94879000	94879000
149	yes	yes		3	0,003009	93,162	1	13487000	13487000
287	yes	yes		2	0,011078	80,438	1	33816000	33816000
348	yes	yes		2	2,77E-06	174,4	1	2826400	2826400
304	yes	yes		2	0,011898	75,509	1	5973000	5973000
343	yes	yes		2	0,000397	135,43	1	1608500	1608500
352	yes	yes	2;3		1,11E-05	113,01	2	9262800	9262800
179	yes	yes	2;3		2,10E-25	284,27	2	27543000	27543000
224	yes	yes		3	0,008824	69,846	1	2848200	2848200
309	yes	yes		2	9,23E-10	167,28	1	2236500	2236500
16	yes	yes		2	0,007491	80,916	1	3879700	3879700
370	yes	yes		2	4,13E-05	131,69	1	968740	968740
433	yes	yes		2	1,66E-05	178,54	1	4051400	4051400
13	yes	yes	2;3		5,38E-06	171,49	2	2,01E+08	2,01E+08
80	yes	yes	3;4		0,036651	31,596	2	9975300	9975300
260	yes	yes		2	0,002381	120,65	1	0	0
840	yes	yes		2	0,001139	107,09	1	6550700	6550700
134	yes	yes		2	1,93E-09	179,55	1	3683900	3683900
140	yes	yes		2	0,040969	58,699	1	0	0
1444	yes	no		2	0,002333	99,688	1	1360200	1360200
589	yes	yes		2	0,000122	104,78	1	935830	935830
77	yes	yes		3	6,47E-05	97,073	1	11233000	11233000
328	yes	yes	2;3		3,95E-15	186,06	2	0	0
293	yes	yes		2	0,012996	71,879	1	901850	901850
42	yes	no	2;3		0,010501	68,168	2	14969000	14969000
54	yes	yes		2	0,000454	130,01	1	87214000	87214000
435	yes	yes		2	1,21E-16	263,9	1	0	0
250	yes	yes		2	0,009807	76,326	1	7935900	7935900
370	yes	yes	2;3		2,29E-05	183,72	2	13260000	13260000
160	yes	yes	3;4		0,005335	76,326	2	5688500	5688500
450	yes	yes	2;3		2,02E-07	198,97	2	8511300	8511300
602	yes	yes		3	0,025964	48,423	1	1636500	1636500
358	yes	yes		3	0,023199	60,301	1	2379600	2379600
41	yes	yes	2;3		0,016236	62,799	2	2433100	2433100
219	yes	yes		3	2,73E-05	87,208	1	4198100	4198100
55	yes	yes		3	0,039926	38,276	1	1949800	1949800
265	yes	yes		2	1,05E-06	123,55	1	1467400	1467400
34	yes	yes	1;2		0,036939	58,604	2	1,03E+08	1,03E+08
597	yes	yes		2	0,024306	71,296	1	3499100	3499100

536	yes	yes		2	0,012436	70,089	1	1028900	1028900
175	yes	yes		2	0,017511	73,885	1	0	0
334	yes	yes	2;3		0,019178	65,252	2	3727500	3727500
34	yes	yes		2	3,22E-06	153	1	7876100	7876100
35	yes	yes		3	0,008832	66,784	1	6304900	6304900
307	yes	yes		3	0,027555	48,981	1	0	0
249	yes	yes		2	2,17E-05	142,76	1	9541500	9541500
286	yes	yes		2	5,88E-10	228,83	1	1,59E+08	1,59E+08
260	yes	yes	2;3		9,44E-05	123,01	2	15811000	15811000
355	yes	yes		2	0,011318	76,221	1	920450	920450
405	yes	yes		2	0,019772	51,566	1	1148000	1148000
59	yes	yes		2	0,001026	98,902	1	0	0
202	yes	yes		2	0,005951	81,95	1	1215500	1215500
230	yes	yes		3	8,89E-08	117,65	1	1812200	1812200
131	yes	yes	2;3		0,034242	45,598	2	0	0
227	yes	yes	2;3		3,12E-09	214,04	2	20324000	20324000
200	yes	yes		2	0,034793	60,76	1	1613800	1613800
250	yes	yes	2;3		0,009148	98,182	2	50904000	50904000
644	yes	yes		2	0,006952	115,23	1	6035600	6035600
262	yes	yes	2;3		0,000119	103,39	2	35837000	35837000
211	yes	yes		3	0,017425	68,371	1	2745800	2745800
190	yes	yes		2	0,00298	121,61	1	2911100	2911100
38	yes	yes	2;3		3,27E-08	138,24	2	0	0
308	yes	yes	2;3		0,000744	117,53	2	1,69E+08	1,69E+08
471	yes	yes		3	0,016754	67,019	1	4020000	4020000
292	yes	yes		3	0,00487	71,354	1	2269500	2269500
166	yes	yes	2;3		1,09E-06	141,37	2	12738000	12738000
211	yes	yes		3	0,003478	69,081	1	1419000	1419000
215	yes	yes		2	0,022226	69,272	1	0	0
370	yes	yes		4	3,56E-06	98,636	1	7454500	7454500
364	yes	yes		3	0,027453	51,335	1	10626000	10626000
270	yes	yes		3	0,002587	70,907	1	1295000	1295000
24	yes	yes		3	0,026998	57,149	1	1627400	1627400
77	yes	yes	3;4		1,49E-07	130,64	2	24390000	24390000
207	yes	yes		3	0,001727	82,483	1	4056800	4056800
209	yes	yes		3	0,005964	73,833	1	11377000	11377000
286	yes	yes		3	0,039852	21,351	1	0	0
310	yes	yes	2;3		0,006816	92,051	2	13092000	13092000
292	yes	yes	2;3		0,010941	58,754	2	0	0
90	yes	yes		2	0,031922	88,177	1	4893900	4893900
381	yes	yes		2	0,042406	49,442	1	959990	959990
299	yes	yes		3	1,70E-06	121,95	1	12101000	12101000
246	yes	yes		2	0,000369	117,09	1	3176100	3176100
86	yes	yes		2	3,43E-05	127,52	1	0	0
570	yes	yes		3	0,000697	101,72	1	1408400	1408400
954	yes	yes		3	2,12E-05	93,729	1	1289000	1289000
172	yes	yes		3	3,37E-08	124,19	1	3745100	3745100
348	yes	yes		3	0,030063	44,054	1	0	0
438	yes	yes		3	0,008798	70,728	1	1661600	1661600
31	yes	yes		3	0,001148	106,62	1	5175400	5175400

83	yes	yes		3	0,043204	38,3	1	1322300	1322300
371	yes	yes		3	0,012324	52,862	1	612380	612380
306	yes	yes		3	0,032379	0,004955	1	0	0
363	yes	yes		2	0,001076	156,01	1	38234000	38234000
131	yes	yes		2	0,010334	94,538	1	5406000	5406000
469	yes	no	2;3		7,30E-06	135,04	2	21271000	21271000
813	yes	yes		3	0,007782	79,07	1	3809400	3809400
75	yes	yes		2	0,00277	125,23	1	8038600	8038600
76	yes	yes	2;3		1,61E-09	227,36	2	80241000	80241000
86	yes	yes		3	0,002196	82,837	1	6377000	6377000
281	no	no	2;3		0,000769	137,05	2	12877000	12877000
175	yes	yes		3	0,009368	70,056	1	1050200	1050200
106	yes	yes		2	0,009835	70,552	1	0	0
235	no	no		2	0,010454	85,212	1	35800000	35800000
247	yes	yes		2	0,001243	89,663	1	6630200	6630200
573	yes	yes		3	0,001197	72,864	1	1084100	1084100
296	yes	yes	2;3		1,67E-15	225,17	2	61021000	61021000
136	yes	yes		3	0,000196	84,975	1	1570800	1570800
518	yes	yes		3	0,016371	67,76	1	0	0
318	yes	no		2	0,000909	86,777	1	1322600	1322600
324	yes	yes		2	0,000837	89,136	1	16391000	16391000
171	yes	yes		2	0,002374	92,039	1	0	0
311	yes	yes	2;3		8,04E-09	155,37	2	1530500	1530500
340	yes	yes		2	0,000301	110,93	1	1183600	1183600
159	yes	yes		2	0,00072	98	1	1350100	1350100
291	yes	yes		2	0,032113	56,721	1	1577500	1577500
163	no	no		2	0,00626	104,75	1	16044000	16044000
165	no	no	2;3		0,000744	128,6	2	32832000	32832000
365	yes	yes		2	0,002283	87,789	1	2084500	2084500
39	yes	yes		2	6,87E-07	140,82	1	1227200	1227200
40	yes	yes		3	0,037524	33,265	1	2641800	2641800
290	yes	yes	2;3		2,54E-12	218,12	2	11045000	11045000
267	yes	yes		3	0,039129	46,89	1	0	0
403	yes	yes		3	0,000554	96,229	1	4106300	4106300
192	yes	no		2	0,008654	79,489	1	1819300	1819300
95	yes	yes		2	1,17E-05	164,48	1	54872000	54872000
108	yes	yes	3;4		1,32E-12	174,22	2	86701000	86701000
90	yes	yes		3	0,005843	68,262	1	2510400	2510400
90	yes	yes		3	6,95E-05	89,756	1	1151100	1151100
450	yes	no		2	1,86E-05	192,12	1	8582200	8582200
181	yes	yes		3	0,000583	109,16	1	16031000	16031000
163	yes	yes		2	1,30E-05	134,68	1	1336000	1336000
43	yes	yes		2	0,000179	144,55	1	0	0
35	yes	yes		2	0,000326	105,17	1	0	0
139	yes	yes		2	8,85E-05	107,98	1	811700	811700
46	yes	yes	2;3		4,10E-19	244,05	3	8677600	8677600
405	yes	yes		2	0,023889	71,715	1	796230	796230
435	yes	yes		2	0,008702	90,986	1	9824200	9824200
84	yes	yes		2	0,004302	83,869	1	933850	933850
136	yes	yes		2	2,55E-05	118,51	1	1982500	1982500

402	yes	yes		2	0,004304	101,33	1	849980	849980
483	yes	yes		2	2,50E-05	119,17	1	2494100	2494100
967	yes	yes		2	5,95E-09	205,31	1	3525900	3525900
77	yes	yes		3	5,30E-05	91,622	1	2329800	2329800
359	yes	yes		2	0,003562	111,65	1	0	0
109	yes	yes		2	0,013478	77,732	1	889560	889560
82	yes	yes		2	0,00017	112,44	1	1416100	1416100
84	yes	yes	3;4		4,23E-08	155,39	2	10921000	10921000
382	yes	yes		3	0,008456	51,524	1	1518700	1518700
615	yes	no		3	0,000348	80,172	1	0	0
61	yes	yes		3	5,15E-05	91,067	1	0	0
216	yes	yes		2	0,002182	101,9	1	11191000	11191000
240	yes	yes		2	0,000147	161,67	1	4971500	4971500
284	yes	yes		3	0,012871	79,337	1	0	0
66	yes	yes	2;3		0,029587	52,255	2	12222000	12222000
68	yes	yes	2;3		0,000368	138,08	2	10587000	10587000
425	yes	yes		4	0,005728	60,307	1	6346400	6346400
13	yes	yes		2	0,006818	101,6	1	36112000	36112000
422	yes	yes		2	0,027765	56,043	1	1122200	1122200
258	yes	yes		3	0,015748	56,432	1	3804600	3804600
380	yes	yes		2	0,014256	72,289	1	1317700	1317700
336	yes	yes	2;3		7,76E-08	163,99	2	6192500	6192500
135	yes	yes		2	2,74E-07	144,73	1	0	0
264	yes	yes		2	8,30E-05	118,87	1	6960400	6960400
475	yes	yes		2	0,001361	108,31	1	29382000	29382000
177	yes	yes		3	0,00891	70,808	1	3656500	3656500
344	yes	yes		3	4,04E-05	89,831	1	3847500	3847500
178	yes	yes		3	0,038722	38,75	1	365140	365140
145	yes	yes		3	0,000243	132,88	1	22914000	22914000
245	yes	yes		2	0,000102	163,46	1	18570000	18570000
120	yes	yes		2	0,001902	105,98	1	9945600	9945600
406	yes	yes	2;3		2,15E-12	186,98	2	32586000	32586000
323	yes	yes		3	3,70E-08	134,52	1	6440400	6440400
176	yes	yes	2;3		1,25E-12	187,56	2	0	0
496	no	no		2	0,013109	78,149	1	1851400	1851400
92	yes	yes		3	0,041781	50,149	1	6324400	6324400
358	yes	yes	2;3		0,017086	73,665	2	2664100	2664100
59	yes	yes		2	1,05E-09	223,87	2	3947700	3947700
140	yes	yes		2	0,000712	93,237	1	2292800	2292800
101	yes	yes		2	0,01148	79,986	1	18510000	18510000
788	yes	no		4	0,011613	56,295	1	1069400	1069400
415	yes	yes		2	1,40E-09	188,12	1	0	0
103	yes	yes		2	0,026145	48,405	1	0	0
187	yes	yes		2	7,08E-10	161,94	1	0	0
84	yes	yes		3	2,21E-11	154,87	1	52998000	52998000
95	yes	yes		4	0,033804	17,553	1	2962600	2962600
155	yes	yes		3	0,007917	71,153	1	23456000	23456000
213	yes	yes		2	1,31E-05	184,36	1	48325000	48325000
305	yes	yes		2	0,017455	73,248	1	2153100	2153100
55	yes	yes	2;3		1,28E-12	188,96	2	5547100	5547100

148	yes	yes		3	0,006342	80,455	1	5289300	5289300
129	yes	yes		2	0,0291	60,118	1	2316100	2316100
71	yes	yes		2	0,001175	117,53	1	11428000	11428000
253	yes	yes		2	0,005372	92,051	1	9576900	9576900
61	yes	yes		3	0,038558	35,091	1	1218500	1218500
203	yes	yes		2	0,002452	97,965	1	7411800	7411800
93	yes	yes	2;3		2,40E-07	131,67	2	0	0
158	yes	yes		2	0,018899	66,92	1	8505400	8505400
420	yes	yes	2;3		0,008738	72,243	2	4236000	4236000
421	yes	yes		3	0,027425	48,423	1	1288500	1288500
397	yes	yes	2;3		1,48E-16	189,52	2	33009000	33009000
417	yes	yes		2	0,026416	69,176	1	4514500	4514500
573	yes	yes		3	0,003812	61,139	1	751510	751510
442	yes	yes		2	7,34E-08	164,7	1	1720100	1720100
16	yes	yes		2	0,035298	56,434	1	1420400	1420400
17	yes	yes		3	0,008604	71,692	1	658400	658400
85	yes	yes		2	0,011095	84,568	1	28882000	28882000
258	yes	yes	2;3		0,008644	80,455	2	2,05E+08	2,05E+08
56	yes	yes		3	0,014432	64,567	1	414830	414830
336	yes	yes		4	0,032966	51,762	1	627130	627130
172	yes	yes		4	0,000933	76,237	1	10379000	10379000
144	yes	yes		2	0,000375	108,98	1	2336000	2336000
335	yes	yes		3	1,84E-05	115,06	1	3266200	3266200
417	no	no	3;4		0,001143	96,665	2	15448000	15448000
53	yes	yes	2;3		0,003334	101,65	2	11946000	11946000
379	yes	no		2	2,83E-09	148,52	1	1448900	1448900
166	yes	yes		2	1,32E-12	209,33	1	74892000	74892000
544	yes	yes		2	0,013297	78,616	1	1392800	1392800
274	yes	yes		2	0,007551	97,473	1	78874000	78874000
576	yes	yes		2	7,06E-07	185,96	1	5245300	5245300
402	yes	yes		2	0,002182	101,9	1	9763700	9763700
141	yes	yes	2;3		4,89E-18	284,32	2	42926000	42926000
168	yes	yes		2	0,024552	65,246	1	4512200	4512200
408	yes	yes	1;2		0,004313	101,25	2	18858000	18858000
409	yes	yes		2	0,003558	143,7	1	29238000	29238000
223	yes	yes		4	0,028664	29,818	1	3497600	3497600
534	yes	yes		2	0,007406	82,241	1	39943000	39943000
107	yes	yes		2	0,001948	93,442	1	31223000	31223000
277	yes	yes		2	6,76E-05	115,12	1	2025200	2025200
10_YEAST	yes	yes		2	0,009434	86,866	1	70964000	70964000
365	yes	yes		2	1,96E-09	210,93	1	43129000	43129000
262	yes	yes		2	0,016171	79,469	1	2906200	2906200
30	yes	yes		2	0,000885	112,83	1	0	0
201	yes	yes		2	0,008095	94,407	1	4649100	4649100
202	yes	yes	2;3		0,003107	107,29	2	11606000	11606000
339	yes	yes		3	0,027444	47,603	1	1109600	1109600
340	yes	yes		2	3,25E-05	144,7	1	18383000	18383000
105	yes	yes		3	0,003218	59,339	1	758340	758340
23	yes	yes		2	0,035338	53,567	1	3142900	3142900
93	yes	yes	2;3		8,20E-11	205,33	2	55693000	55693000

159	yes	yes		2	3,16E-17	236,27	1	34852000	34852000
401	yes	yes		2	8,53E-08	152	1	3953700	3953700
239	yes	yes		2	0,038298	64,82	1	0	0
447	yes	yes	2;3		4,57E-16	203,2	2	0	0
116	yes	yes		2	0,00387	105,1	1	2938200	2938200
84	yes	yes		3	0,000524	131,22	1	4211600	4211600
266	yes	yes		3	4,12E-05	104,26	1	3157800	3157800
109	yes	yes		2	5,32E-05	179,94	1	1188000	1188000
61	yes	yes		2	0,000456	129,85	1	1161300	1161300
93	yes	yes		2	0,008552	69,998	1	0	0
418	yes	yes		2	0,001839	88,819	1	0	0
261	yes	yes		3	0,038053	40,778	1	0	0
668	yes	yes		2	0,000261	154,85	1	0	0
566	yes	no		2	4,47E-05	129,89	1	0	0
166	yes	yes		3	0,002132	88,486	1	0	0
264	yes	no		2	0,000951	93,096	2	0	0
273	yes	yes		3	0,018426	62,203	1	0	0
65	yes	yes		3	0,007526	66,246	1	0	0
19	yes	yes	2;3		0,00014	92,932	2	0	0
13	yes	yes		2	0,001571	85,813	1	0	0
62	yes	yes		2	0,000552	86,944	1	0	0
46	yes	yes		2	0,003564	86,882	1	0	0
10	yes	yes		2	0,040113	46,352	1	0	0
518	yes	yes		3	0,000665	79,025	1	0	0
530	yes	yes		2	0,000431	101,45	1	0	0
11	yes	yes		2	0,028619	49,081	1	0	0
474	yes	yes		3	0,03157	46,069	1	522520	522520
240	yes	yes		2	0,041103	50,127	1	0	0
7	yes	yes		2	0,020318	60,799	1	0	0
574	yes	yes		2	0,022096	68,016	1	1593200	1593200
575	yes	yes		2	0,017016	88,495	1	418230	418230
686	yes	yes		2	0,001941	93,561	1	4043700	4043700
32	yes	yes		2	0,001319	92,538	1	329830	329830
120	yes	yes		2	0,004155	102,62	1	5505500	5505500
344	yes	yes	2;3		2,34E-20	243,99	2	25814000	25814000
347	yes	yes		3	2,60E-05	96,467	1	10598000	10598000
181	yes	yes		2	6,05E-14	205,06	1	0	0
137	yes	yes		2	0,00027	147,62	1	10358000	10358000
93	yes	yes		3	0,0429	27,025	1	489760	489760
112	yes	yes		2	0,000952	99,732	1	921000	921000
108	yes	yes		2	6,94E-08	192,4	1	58078000	58078000
328	yes	yes		2	0,019406	66,299	1	961160	961160
174	yes	yes		3	0,018407	57,281	1	796660	796660
251	yes	yes		2	0,000393	135,8	1	2158900	2158900
466	yes	yes		2	4,68E-07	152	1	3683600	3683600
424	yes	yes		2	0,035609	88,338	1	722610	722610
61	yes	yes		2	0,005931	82,831	1	1113700	1113700
83	yes	yes		2	1,06E-09	222,72	1	8346500	8346500
295	yes	yes		3	0,005593	77,533	1	2658500	2658500
89	yes	yes		2	0,000971	89,663	1	1391500	1391500

88	yes	yes		2	0,037876	60,631	1	1812700	1812700
29	yes	yes		3	0,031602	45,598	1	324100	324100
132	yes	yes		3	0,000436	85,536	1	1941500	1941500
19	yes	yes		2	0,003995	104,01	1	22150000	22150000
598	yes	yes		2	0,001696	99,927	1	0	0
58	yes	yes		2	1,05E-05	116,87	1	979000	979000
335	yes	yes	2;3		3,35E-10	203,85	2	4400600	4400600
460	yes	yes		3	4,55E-07	129,42	1	2601900	2601900
277	no	no		3	0,021287	63,694	1	23731000	23731000
129	yes	yes		2	6,62E-09	170,47	1	6364400	6364400
107	yes	yes		2	1,13E-05	164,9	1	2815000	2815000
359	no	no		2	5,33E-10	229,56	1	3361000	3361000
144	yes	yes	2;3		4,84E-08	162,81	2	10377000	10377000
104	yes	yes		2	3,92E-18	286,74	1	43324000	43324000
119	yes	yes		2	2,23E-05	152,67	1	4964600	4964600
438	yes	yes		3	0,013436	59,75	1	35018000	35018000
585	yes	yes		2	0,023102	61,765	1	5523500	5523500
589	yes	yes	2;3		8,87E-07	168,82	2	11747000	11747000
369	yes	yes		3	0,04383	36,572	1	1956700	1956700
550	yes	yes		3	0,002642	84,605	1	5006400	5006400
72	yes	yes		2	0,000946	96,371	1	2734500	2734500
289	yes	yes		2	0,000248	150,09	1	4050600	4050600
239	yes	yes	2;3		8,59E-07	169,09	2	3,21E+08	3,21E+08
240	yes	yes	2;3		1,66E-07	155,14	2	98310000	98310000
145	yes	yes		2	3,08E-30	307,57	2	1487400	1487400
196	yes	yes		3	0,001168	85,271	1	0	0
483	yes	yes		2	5,49E-05	116,24	1	0	0
267	yes	yes		2	0,001022	90,614	1	0	0
24	yes	yes		3	0,032127	45,28	1	671060	671060
803	yes	yes		2	0,038789	82,202	1	649770	649770
218	yes	yes		2	0,000317	106,14	1	323860	323860
570	yes	yes		2	0,015946	84,687	1	395060	395060
311	yes	yes		2	0,000176	118,21	1	0	0
533	yes	yes		2	4,62E-13	227	1	2045400	2045400
131	yes	yes		2	0,033656	58,23	1	0	0
460	yes	yes		2	0,022958	62,166	1	1745900	1745900
170	yes	yes		3	0,000419	92,65	1	8315400	8315400
59	yes	yes		2	7,62E-08	191,01	1	2219400	2219400
140	yes	yes	2;3		4,57E-09	142,32	2	0	0
471	yes	yes		2	0,002541	96,665	1	2255700	2255700
110	yes	yes		2	2,05E-06	209,19	1	7948300	7948300
77	yes	yes		2	2,86E-06	149,57	1	2540900	2540900
139	yes	yes		3	0,021226	46,955	1	0	0
86	yes	yes		2	3,49E-10	157	1	0	0
468	yes	yes	2;3		2,59E-07	198,97	2	13338000	13338000
69	yes	yes		2	0,026599	87,831	1	4707500	4707500
386	yes	yes		2	2,38E-08	153,72	1	1293600	1293600
322	yes	yes	2;3		7,97E-12	148,33	2	0	0
349	yes	yes	2;3		3,56E-20	269,87	2	0	0
25	yes	yes	2;3		8,37E-06	155,99	2	11592000	11592000

626	yes	yes		2	0,007493	97,798	1	2472900	2472900
164	yes	yes		2	5,25E-05	102,07	1	10084000	10084000
224	yes	yes		3	0,001562	69,704	1	1327000	1327000
605	yes	yes	2;3		0,001261	101,04	2	3172600	3172600
300	yes	yes		2	0,014494	72,325	1	10056000	10056000
10	yes	yes		3	0,030109	35,445	1	0	0
267	yes	yes		2	2,15E-09	176,56	1	2950300	2950300
166	yes	yes		2	1,22E-09	156,29	1	0	0
20	yes	yes		3	1,31E-08	145,46	1	2848500	2848500
10	yes	yes		2	0,000866	132,88	1	81337000	81337000
15	yes	yes		2	1,12E-09	197,73	1	5581000	5581000
48	yes	yes		2	0,000797	95,981	1	8623600	8623600
311	yes	yes		2	0,01277	54,964	1	1913500	1913500
83	yes	yes		2	1,00E-06	143,93	1	6002300	6002300
513	yes	yes		4	0,03105	32,998	1	1761000	1761000
148	yes	yes		2	1,63E-06	129,29	1	3643400	3643400
169	yes	yes		2	0,023137	61,958	1	4474200	4474200
170	yes	yes		2	2,42E-05	172,56	1	26443000	26443000
370	yes	yes		2	1,40E-06	134,93	1	991590	991590
42	yes	yes		3	4,22E-06	122,29	1	0	0
261	yes	yes		2	2,00E-05	155,26	1	10837000	10837000
226	yes	yes		2	0,001887	106,2	1	4352800	4352800
90	yes	yes	2;3		1,68E-06	113,8	2	2609700	2609700
490	yes	yes		2	1,01E-10	201,4	1	25259000	25259000
432	yes	yes		2	0,006064	77,746	1	1482000	1482000
467	yes	yes		2	0,022007	80,318	1	650060	650060
69	yes	yes	2;3		2,93E-06	148,89	2	10726000	10726000
196	yes	yes		3	0,006882	75,102	1	0	0
186	yes	yes		3	0,043532	37,556	1	1702400	1702400
276	yes	yes		2	9,25E-08	161,49	1	21111000	21111000
583	yes	no		2	1,27E-05	135,04	1	2891800	2891800
154	yes	yes		2	0,00608	84,916	1	0	0
60	yes	yes		3	8,78E-05	97,823	1	2744300	2744300
267	yes	yes	2;3		4,65E-13	190,8	2	1,27E+08	1,27E+08
116	yes	yes		3	0,013603	61,691	1	2504500	2504500
98	yes	yes		2	0,004978	83,081	1	2641200	2641200
189	yes	yes		2	0,031865	46,001	1	0	0
497	yes	yes		3	2,08E-08	118,63	1	3243600	3243600
508	yes	yes		2	0,036168	49,595	1	684640	684640
61	yes	yes	2;3		0,000414	92,952	2	3E+08	3E+08
65	yes	yes	2;3		2,00E-12	188,39	2	21550000	21550000
558	yes	yes		2	2,30E-08	205,31	1	3048100	3048100
68	yes	yes		2	4,36E-10	184,48	1	2798100	2798100
1011	yes	no		4	0,038333	18,936	1	930650	930650
257	no	no	2;3		0,00013	141,71	2	22182000	22182000
84	yes	yes	2;3		4,63E-07	129,42	2	59648000	59648000
95	yes	yes		3	0,001916	56,332	1	1424600	1424600
89	yes	yes		2	0,003549	81,651	1	821160	821160
212	yes	yes		2	0,004417	81,448	1	5120000	5120000
437	yes	yes		2	0,003123	88,177	1	23230000	23230000

271	yes	yes		2	0,00116	93,561	1	0	0
159	yes	yes	2;3		4,83E-14	260,28	2	3,54E+08	3,54E+08
'8_YEAST	yes	yes		2	0,002443	120,87	1	5084900	5084900
90	yes	no		3	0,030336	46,069	1	0	0
11	yes	yes		2	0,030391	90,601	1	4791000	4791000
564	yes	yes		4	0,002614	73,498	1	0	0
250	yes	yes		3	0,004021	55,631	1	1474700	1474700
570	yes	yes		4	0,000864	82,774	1	35943000	35943000
98	yes	yes		2	0,038247	100,74	1	3342700	3342700
146	yes	yes		3	0,011818	53,255	1	4193200	4193200
38	yes	yes		3	0,000649	107,21	1	22914000	22914000
220	yes	yes		3	0,015764	65,956	1	2698800	2698800
85	yes	yes		3	0,005283	92,051	1	6266200	6266200
67	yes	yes		2	0,040305	98,629	1	963870	963870
113	yes	yes		2	0,043461	83,998	1	7507000	7507000
71	yes	yes	2;3		0,006814	105,36	2	52793000	52793000
203	yes	yes		2	0,002058	137,46	1	11318000	11318000
287	yes	yes		3	0,00078	80,585	1	989700	989700
139	yes	yes		3	0,013204	53,947	1	0	0
879	yes	yes		3	0,000353	100,73	1	3996400	3996400
97	yes	yes		3	0,009356	74,649	1	28821000	28821000
73	yes	yes	2;3		0,000833	115,23	2	51676000	51676000
196	yes	yes	3;4		4,54E-15	182,22	2	10553000	10553000
188	yes	yes	2;3		2,22E-06	185,2	2	86712000	86712000
216	yes	yes		3	0,003871	81,017	1	3998300	3998300
103	yes	yes		3	0,001132	86,699	1	1128100	1128100
193	yes	yes		2	0,030191	109,01	1	44576000	44576000
938	yes	no		2	0,041552	50,034	1	3452100	3452100
152	yes	yes		2	1,54E-10	234,49	1	44294000	44294000
153	yes	yes	2;3		1,11E-12	240,18	2	23415000	23415000
261	yes	yes	2;3		0,000112	154,84	2	57647000	57647000
27	yes	yes		2	7,66E-05	104,21	1	0	0
137	yes	yes	2;3		0,002696	94,409	2	7134100	7134100
160	yes	yes		2	0,010329	67,994	1	1651300	1651300
884	yes	yes		3	0,013562	60,641	1	5313700	5313700
545	yes	yes		2	0,00055	120,99	1	1536000	1536000
124	yes	yes	2;3		3,93E-23	296,51	2	2,31E+08	2,31E+08
27	yes	yes		2	0,000552	120,77	1	1253800	1253800
314	yes	yes		2	0,00108	93,345	1	3689600	3689600
97	yes	yes		2	0,012122	65,179	1	0	0
85	yes	yes		2	1,01E-07	147,51	1	1296800	1296800
191	yes	yes		2	0,000809	135,71	1	2,85E+08	2,85E+08
371	yes	yes		2	0,018317	54,281	1	1041100	1041100
290	yes	yes		3	0,02781	47,916	1	0	0
457	yes	yes		2	0,030345	59,35	1	0	0
298	yes	yes		2	7,02E-05	97,271	1	492760	492760
551	yes	yes		2	0,002577	96,143	1	71243000	71243000
172	yes	yes		2	0,013874	61,495	1	724770	724770
370	yes	no	2;3		0,025429	98,458	2	24300000	24300000
232	yes	yes		3	0,000432	85,176	1	3599400	3599400

523	yes	yes		2	8,96E-05	106,38	1	0	0
58	yes	yes		2	0,021996	73,616	1	2437600	2437600
243	yes	yes		2	0,000114	108,77	1	852050	852050
8	yes	yes		2	0,007927	95,352	1	14568000	14568000
401	yes	yes	1;2		0,005873	87,696	2	4373900	4373900
682	yes	yes		2	5,59E-05	136,5	1	5255000	5255000
70	yes	yes		3	0,0165	50,305	1	0	0
29	yes	yes		2	0,021623	54,004	1	15123000	15123000
392	yes	yes		2	4,04E-05	94,176	1	0	0
58	yes	yes	2;3		0,000123	89,669	2	0	0
231	yes	yes		2	3,38E-07	196,67	1	7850000	7850000
232	yes	yes		3	0,011086	65,241	1	4403000	4403000
350	yes	yes		2	0,006175	73,597	1	1450600	1450600
52	yes	yes		3	0,001414	80,632	1	2617800	2617800
224	yes	yes		2	0,019187	66,568	1	1481600	1481600
20	yes	yes		3	3,01E-06	124,5	1	13116000	13116000
375	yes	yes		3	0,002089	72,585	1	1947500	1947500
153	yes	yes	2;3		4,47E-05	115,06	2	8002600	8002600
117	yes	yes		2	4,77E-05	128,08	1	1688500	1688500
238	yes	yes		2	3,21E-07	134,58	1	692160	692160
247	yes	yes		3	4,95E-10	145,81	1	2841000	2841000
153	yes	yes		2	0,0024	122,19	1	38711000	38711000
92	yes	yes		2	7,15E-11	148,06	1	1109000	1109000
1473	yes	yes		2	0,023047	52,172	1	1340700	1340700
145	yes	yes	2;3		1,78E-16	262,42	2	20421000	20421000
694	yes	yes		3	0,033682	43,808	1	564720	564720
376	yes	yes	2;3		8,21E-10	222,81	2	29986000	29986000
380	yes	yes		3	7,39E-06	151,66	1	20393000	20393000
60	yes	yes		2	0,001428	95,477	1	1366300	1366300
362	yes	yes		3	0,013604	49,655	1	2617700	2617700
42	yes	no		3	0,014827	63,754	1	2603800	2603800
153	no	no		3	2,00E-10	188,9	1	14629000	14629000
179	yes	yes		2	0,01711	61,167	1	2687000	2687000
113	yes	yes		3	0,025441	50,354	1	1487900	1487900
123	yes	yes		4	0,019433	44,577	1	2784800	2784800
241	yes	yes	2;3		0,001579	93,598	2	7207800	7207800
235	yes	yes		3	0,043352	23,695	1	957800	957800
128	yes	yes		2	6,58E-23	302,87	1	45083000	45083000
347	yes	yes		2	1,15E-07	183,06	1	6273000	6273000
355	no	no		2	1,08E-07	200,82	1	7077700	7077700
431	yes	yes		3	0,002293	82,774	1	3145200	3145200
189	yes	yes		2	0,000191	98,227	1	617310	617310
181	yes	yes	3;4		1,26E-05	135,02	2	9646700	9646700
464	yes	yes		2	2,71E-09	185,2	1	8359600	8359600
440	yes	yes		2	0,014467	70,685	1	0	0
197	no	no		2	3,49E-07	188,15	1	3711200	3711200
199	no	no	2;3		1,05E-06	142,95	2	6869700	6869700
49	yes	yes		2	0,014969	71,153	1	31467000	31467000
439	yes	yes	2;3		2,23E-08	136,46	2	0	0
311	yes	yes		2	0,000642	89,624	1	3989200	3989200

70	yes	yes		2	0,018562	67,334	1	5652100	5652100
74	yes	yes		2	0,001858	106,62	1	4174600	4174600
176	yes	yes		2	1,51E-05	126,56	1	4034900	4034900
180	yes	yes		3	0,000229	94,339	1	11628000	11628000
521	yes	yes	2;3		2,37E-09	219,43	2	48147000	48147000
523	yes	yes		3	7,31E-06	135,04	1	19077000	19077000
310	yes	yes		3	2,40E-08	131,33	1	0	0
426	yes	yes		2	0,027792	61,593	1	1786800	1786800
41	yes	yes		2	6,57E-05	117,95	1	1323900	1323900
282	yes	yes		2	2,67E-13	202,81	1	2301400	2301400
355	yes	yes		2	1,39E-05	149,69	1	2333700	2333700
186	yes	yes	2;3		0,003066	84,507	2	2393100	2393100
1009	yes	yes		2	0,003791	88,177	1	0	0
86	yes	yes		2	5,04E-07	135,38	1	635810	635810
307	yes	yes	2;3		0,000105	110,55	2	9839800	9839800
10	yes	yes		2	0,001285	163,67	1	22986000	22986000
539	yes	yes		2	0,00711	61,942	1	493950	493950
11	yes	yes		2	0,000546	121,36	1	1,12E+09	1,12E+09
164	yes	yes	3;4		5,66E-30	261,39	3	0	0
51	yes	yes		2	3,89E-08	153,41	1	0	0
830	yes	yes		2	0,000607	89,507	1	1006500	1006500
150	yes	yes		2	0,001696	101,05	1	0	0
333	yes	yes		2	8,78E-13	250,51	1	5975400	5975400
334	yes	yes	2;3		1,94E-05	170,4	2	96366000	96366000
269	yes	yes		3	0,003082	92,051	1	4793000	4793000
270	yes	yes		3	0,008742	79,201	1	46046000	46046000
165	yes	yes	2;3		0,009307	73,877	2	4597100	4597100
534	yes	yes		2	0,002076	75,064	1	682680	682680
82	yes	yes		2	0,022958	62,166	1	2242400	2242400
325	yes	yes		2	0,007116	73,877	1	0	0
41	yes	yes		2	2,99E-10	202,32	1	11227000	11227000
496	yes	yes		2	0,001792	107,57	1	888110	888110
90	yes	yes	2;3		8,67E-05	117,2	2	67007000	67007000
311	yes	yes		2	2,18E-08	155,66	1	22340000	22340000
163	yes	yes		2	0,006417	76,927	1	0	0
210	yes	yes		2	1,83E-05	127,78	1	1318200	1318200
45	yes	yes		2	0,024226	60,691	1	2831300	2831300
264	yes	yes	2;3		1,33E-09	154,47	2	0	0
93	yes	yes	2;3		1,89E-11	164,5	2	0	0
909	yes	no		2	2,69E-13	256,38	1	0	0
311	yes	yes		3	0,002183	68,676	1	0	0
285	yes	yes	3;4		0,018287	44,595	2	6012400	6012400
188	yes	yes	2;3		2,68E-05	147,62	2	78161000	78161000
256	yes	yes		2	0,020231	53,034	1	0	0
80	yes	yes	3;4		6,43E-07	132,14	2	33725000	33725000
72	yes	yes		2	1,02E-13	200,9	1	0	0
105	yes	yes		2	5,86E-05	100,39	1	1793800	1793800
421	yes	yes		2	0,021645	63,694	1	5579500	5579500
242	yes	yes		2	0,000828	134,77	1	19222000	19222000
102	yes	yes		2	1,54E-05	146,5	1	12152000	12152000

176	yes	yes		2	0,019595	64,945	1	795300	795300
293	yes	yes	2;3		6,10E-05	123,26	2	14360000	14360000
231	yes	yes		3	0,042927	31,722	1	0	0
105	yes	yes		2	0,003915	89,561	1	0	0
229	yes	yes		2	0,011513	71,98	1	1172600	1172600
128	yes	yes	2;3;4		2,27E-15	216,71	3	1,17E+08	1,17E+08
61	yes	yes		2	0,017299	49,537	1	0	0
235	yes	yes		2	2,16E-12	186,94	1	13886000	13886000
52	yes	yes		2	1,13E-16	216,16	1	3079800	3079800
88	yes	yes		2	1,12E-05	155,08	1	89284000	89284000
224	yes	yes		2	7,64E-11	235,49	1	15593000	15593000
225	yes	yes	2;3		8,18E-07	176,32	2	10286000	10286000
32	yes	yes		2	0,002786	93,096	1	1323500	1323500
235	yes	yes		2	1,32E-06	135,55	1	5858300	5858300
331	yes	no		3	0,022221	58,781	1	0	0
386	yes	yes	2;3		3,00E-11	147,64	2	8663700	8663700
367	yes	yes		2	0,003649	76,068	1	871450	871450
149	yes	yes		2	3,99E-05	126,19	1	3126400	3126400
17	yes	yes		2	0,010307	85,359	1	13311000	13311000
143	yes	yes		2	3,66E-10	188	1	25210000	25210000
17	yes	yes		2	1,80E-08	159,34	1	1425100	1425100
216	yes	yes		2	0,000383	157,78	1	19118000	19118000
398	yes	yes		2	2,69E-05	147,58	1	3143000	3143000
178	yes	yes		2	0,036729	58,815	1	881490	881490
105	yes	yes		2	4,18E-06	163,45	1	0	0
11	yes	yes		2	0,015414	70,942	1	35171000	35171000
12	yes	yes		3	0,01541	57,785	1	17352000	17352000
622	yes	yes		3	0,023701	51,436	1	2781900	2781900
228	yes	yes		3	0,000479	80,477	1	1705900	1705900
318	yes	yes		2	0,001735	78,976	1	1140800	1140800
44	yes	yes		2	0,005017	103,83	1	3854800	3854800
229	yes	yes		2	0,000523	123,51	1	11086000	11086000
240	yes	yes		3	1,25E-05	109,13	1	4811900	4811900
66	yes	yes		2	2,07E-05	113,81	1	1015300	1015300
252	yes	yes		2	0,000466	128,91	1	16485000	16485000
59	yes	yes		3	0,023313	52,167	1	0	0
152	yes	yes		3	0,011065	64,313	1	4863700	4863700
486	yes	yes		3	1,77E-05	117,08	1	0	0
461	yes	yes		3	2,74E-06	126,16	1	1840900	1840900
608	yes	yes		3	1,36E-06	126,91	1	5138000	5138000
36	yes	yes		2	0,017625	67,494	1	785040	785040
207	yes	yes	2;3		0,022059	69,352	2	16909000	16909000
90	yes	yes		3	0,000289	125,97	1	1380300	1380300
184	yes	yes		2	1,03E-05	189,17	1	12657000	12657000
215	yes	yes		2	0,012955	61,423	1	0	0
147	yes	yes	2;3		1,04E-10	229,75	2	17379000	17379000
880	yes	yes		2	3,58E-06	150,26	1	841160	841160
123	yes	yes		2	7,41E-06	194,06	1	6818500	6818500
148	yes	yes		2	0,00038	157,97	1	69764000	69764000
154	yes	yes		3	0,002864	95,352	1	988720	988720

191	yes	yes		2	4,38E-06	166,24	1	8207200	8207200
233	yes	yes		2	0,001942	105,4	1	3573000	3573000
245	yes	yes	3;4		3,24E-05	105,5	2	14986000	14986000
492	no	no		2	0,001902	105,98	1	29301000	29301000
2354	yes	yes		2	0,040087	47,849	1	0	0
190	yes	yes		2	0,018006	68,016	1	10759000	10759000
63	yes	no		2	0,000675	142,36	1	21868000	21868000
345	yes	yes		2	0,000394	105,46	1	0	0
126	yes	yes	2;3		4,83E-11	234,04	2	3,63E+08	3,63E+08
129	yes	yes		2	0,000374	91,355	1	1480200	1480200
131	yes	yes	2;3		0,001444	96,665	2	0	0
289	yes	yes	2;3		8,55E-06	163,45	2	91326000	91326000
118	yes	yes		2	2,73E-15	217,91	1	17293000	17293000
218	yes	yes		3	0,000671	102,33	1	10773000	10773000
413	yes	yes		2	0,000255	105,17	1	736940	736940
131	yes	yes		3	0,011042	62,035	1	3099000	3099000
265	yes	yes		2	0,022932	95,183	1	1080100	1080100
518	yes	yes		3	0,034811	42,388	1	4331400	4331400
138	yes	yes		3	0,024173	44,299	1	0	0
146	yes	yes	3;4		1,05E-05	100,47	2	0	0
353	yes	yes		2	2,01E-07	134,04	1	0	0
165	yes	yes		2	0,001177	165,11	1	11177000	11177000
44	yes	yes		2	0,000156	169,99	1	8966900	8966900
53	yes	yes		3	9,23E-07	125,96	1	6846600	6846600
206	yes	yes		2	0,002362	123,35	1	3852600	3852600
207	yes	yes		3	0,03225	43,635	1	1449400	1449400
27	yes	yes		3	4,62E-07	116,96	1	1881700	1881700
371	yes	yes		2	0,000434	87,388	1	266700	266700
196	yes	yes		2	2,34E-09	208,27	1	0	0
494	yes	yes	2;3;4		3,75E-10	212,1	3	68819000	68819000
530	yes	yes		2	0,000439	131,42	1	6975600	6975600
112	yes	yes		4	0,003597	72,428	1	3298000	3298000
272	yes	yes		3	0,013439	45,384	1	0	0
210	yes	yes		2	0,000968	78,708	1	0	0
101	yes	yes		2	0,000197	111,72	1	825850	825850
304	yes	yes		2	7,36E-08	155,43	1	10685000	10685000
101	yes	yes		2	0,001985	83,292	1	610350	610350
602	yes	yes		2	0,008057	69,345	1	0	0
150	yes	yes		2	0,001156	91,62	1	954540	954540
206	yes	yes		2	1,04E-09	161,2	1	1323900	1323900
200	yes	yes		2	0,012443	74,841	1	4178400	4178400
501	yes	no	3;4		4,37E-13	186,72	2	32829000	32829000
209	yes	yes		2	8,48E-14	255,54	1	13152000	13152000
85	yes	yes		2	4,63E-09	169,37	1	0	0
20	yes	yes	2;3		6,36E-06	134,49	2	0	0
330	yes	yes		2	0,005754	107,59	1	5909200	5909200
203	yes	yes	2;3		8,25E-08	212,28	2	69594000	69594000
303	yes	yes		2	0,000912	110,93	1	3357900	3357900
318	yes	yes		2	0,004978	83,081	1	3949700	3949700
508	yes	no		2	0,028413	67,169	1	5761200	5761200

274	yes	yes		2	6,86E-05	132,03	1	5330300	5330300
118	yes	yes		2	0,003892	83,204	1	1622100	1622100
212	yes	yes		2	0,007995	77,894	1	3589000	3589000
95	yes	yes		2	0,045482	52,683	1	984230	984230
33	yes	yes	2;3		1,08E-20	249,14	2	0	0
277	yes	yes		2	8,22E-09	204,85	1	1365600	1365600
262	yes	yes		2	9,53E-13	227,47	1	0	0
413	yes	yes		2	0,001882	75,608	1	0	0
60	yes	yes		2	0,013215	73,499	1	53487000	53487000
11	yes	yes		2	0,000154	160,77	1	13319000	13319000
429	yes	yes		3	0,01423	60,118	1	3128600	3128600
205	yes	yes		2	0,001982	92,866	1	585890	585890
115	yes	yes		2	0,001116	156,75	2	1,63E+09	1,63E+09
172	yes	yes		2	1,06E-07	142,43	1	3008100	3008100
320	yes	yes		2	5,02E-08	203,88	1	2472400	2472400
246	yes	yes	2;3		0,000794	90,229	2	2719700	2719700
852	yes	yes		2	0,020666	69,628	1	455680	455680
186	yes	yes		2	0,021359	68,846	1	331220	331220
73	yes	yes		2	2,84E-08	149,31	1	1633000	1633000
288	yes	yes		3	0,003035	61,537	1	0	0
105	yes	yes		2	0,000182	113,61	1	14347000	14347000
31	yes	yes		2	0,043924	53,554	1	2870500	2870500
97	yes	yes	2;3		8,15E-14	188,54	2	8728200	8728200
396	yes	yes		2	1,93E-05	126,5	1	1700600	1700600
149	yes	yes		3	0,042821	21,309	1	2370000	2370000
241	yes	yes		2	0,000115	172,23	1	21068000	21068000
225	yes	yes		3	3,30E-05	97,776	1	1028400	1028400
414	yes	yes		2	0,000548	105,36	1	4151800	4151800
415	yes	yes		3	0,006744	73,36	1	3792300	3792300
340	yes	yes		2	0,022532	62,463	1	2609300	2609300
149	yes	yes		2	0,005456	91,318	1	6136200	6136200
44	yes	no		3	0,031905	57,785	1	1209400	1209400
262	yes	yes		2	1,20E-09	189,8	1	6036600	6036600
225	yes	yes		2	0,029188	60,019	1	2609400	2609400
219	yes	yes		3	0,000336	90,853	1	4503300	4503300
529	yes	yes		3	0,017651	44,1	1	2378300	2378300
157	yes	yes	2;3		0,001265	151,83	2	9565300	9565300
300	yes	yes		2	6,25E-05	119,74	1	3795900	3795900
304	yes	yes	2;3		3,44E-36	342,02	2	52988000	52988000
255	yes	yes		2	8,21E-07	125,45	1	0	0
86	yes	yes	3;4		8,30E-07	166,45	2	18363000	18363000
378	yes	yes		2	5,50E-08	164,64	2	0	0
77	yes	yes		2	0,012922	73,841	1	1,07E+08	1,07E+08
266	yes	yes		2	3,53E-05	179,1	1	5024000	5024000
459	yes	yes		2	3,07E-06	154,1	1	2709900	2709900
122	yes	yes		2	1,32E-15	249,28	1	40343000	40343000
179	yes	yes	2;3;4		2,00E-20	247,3	3	90798000	90798000
249	yes	yes	2;3		5,54E-24	252,58	2	0	0
176	yes	yes		3	2,05E-05	106,57	1	2368000	2368000
54	yes	yes		2	0,000217	106,82	1	1324600	1324600

119	yes	yes		4	0,000633	79,942	1	2651500	2651500
90	yes	yes		2	5,16E-07	127,49	1	2230200	2230200
159	yes	yes		2	0,000352	111,5	1	22177000	22177000
242	yes	yes		2	5,07E-13	233,62	1	11980000	11980000
139	yes	yes	2;3		1,69E-06	137,39	2	26837000	26837000
154	yes	yes		2	0,009028	82,75	1	738790	738790
34	yes	yes		2	0,030322	65,252	1	1284200	1284200
347	yes	yes		3	1,75E-05	95,223	1	0	0
367	yes	yes		2	0,002187	84,615	1	0	0
106	yes	yes		2	0,000957	128,35	1	6096200	6096200
198	yes	yes		2	0,004627	98,523	1	4598000	4598000
181	yes	yes		3	0,012771	44,483	1	0	0
172	yes	yes		2	0,001676	98,044	1	1699600	1699600
122	yes	yes	2;3		0,003376	82,029	2	4072300	4072300
41	yes	yes		4	0,001336	59,893	1	3167000	3167000
108	yes	yes		2	0,001099	88,075	1	1383200	1383200
903	yes	yes		2	0,002911	91,265	1	3416000	3416000
196	yes	yes		2	6,05E-05	120,84	1	2276800	2276800
63	yes	yes		3	0,011465	63,473	1	2407700	2407700
415	yes	yes		2	0,00057	147,73	1	82116000	82116000
223	yes	yes		2	0,008654	79,489	1	8866300	8866300
248	yes	yes		2	5,63E-07	176,87	1	1,57E+08	1,57E+08
504	yes	yes		2	0,009226	77,597	1	1045600	1045600
178	yes	yes	2;3		2,54E-06	170,95	2	27232000	27232000
182	yes	yes	3;4		3,26E-06	119,04	2	66053000	66053000
506	yes	yes		2	2,11E-12	224,55	1	2114800	2114800
136	yes	yes		3	0,01846	57,177	1	2943000	2943000
310	yes	yes	2;3		1,03E-19	207,11	3	376090	376090
70	yes	yes		2	0,002268	88,056	1	1658000	1658000
469	yes	no		2	0,001329	87,719	1	8576100	8576100
246	yes	yes		2	1,42E-09	218,02	1	7378400	7378400
447	yes	yes		2	0,039675	42,475	1	0	0
329	yes	yes		2	0,00013	101,9	1	0	0
156	no	no		2	0,000789	104,43	2	1414400	1414400
28	yes	yes		2	1,57E-06	122,5	1	1009900	1009900
155	yes	yes		2	4,20E-05	131,32	1	9198400	9198400
163	yes	yes	2;3		9,16E-22	265,42	2	44048000	44048000
182	yes	yes		2	0,002103	90,827	1	33741000	33741000
215	yes	yes		2	0,017361	79,201	1	0	0
625	yes	no		2	0,003366	109,48	1	1,07E+08	1,07E+08
800	yes	yes		2	0,005643	89,698	1	8329900	8329900
544	yes	yes		3	0,001149	106,6	1	2483900	2483900
59	yes	yes		2	2,28E-06	127,66	1	826110	826110
152	yes	yes		2	0,006501	80,17	1	12778000	12778000
761	yes	yes		2	0,042967	49,418	1	876980	876980
231	yes	yes		2	0,042353	51,346	1	476080	476080
90	yes	yes		2	8,14E-07	116,6	1	807110	807110
199	yes	yes		4	0,004522	59,579	1	4419500	4419500
130	yes	yes		2	0,038359	57,177	1	881370	881370
223	yes	yes		2	9,07E-05	115,68	1	1968900	1968900

52	yes	yes		2	1,18E-12	225,31	1	0	0
119	yes	yes	2;3		0,007615	78,149	2	59747000	59747000
192	yes	yes		2	0,026394	69,198	1	3415100	3415100
75	yes	yes		2	0,00287	91,867	1	6808500	6808500
76	yes	yes	2;3		8,91E-05	179,1	2	49261000	49261000
944	yes	yes		3	0,020923	59,609	1	4740100	4740100
147	yes	yes	2;3		5,18E-05	124,42	2	20147000	20147000
174	yes	yes		2	0,000144	150,81	2	1496700	1496700
1396	yes	yes		2	0,043924	53,554	1	2371100	2371100
62	yes	yes		2	0,022819	72,789	1	2053400	2053400
76	yes	yes		2	0,022739	60,157	1	2060300	2060300
273	yes	yes		2	0,011782	75,652	1	43233000	43233000
274	yes	yes	2;3		0,000406	169,93	2	2,3E+08	2,3E+08
502	yes	yes		3	0,000836	81,016	1	0	0
140	yes	yes		2	8,22E-10	225,79	1	1,26E+08	1,26E+08
322	yes	yes		2	0,04154	44,98	1	1956700	1956700
37	yes	yes		2	0,000816	102,4	1	2582100	2582100
386	yes	yes		2	9,65E-06	190,26	1	9728200	9728200
368	no	no		2	0,000511	124,6	1	2304200	2304200
1154	yes	yes		3	0,000121	102,5	1	13697000	13697000
71	yes	yes		3	0,006414	66,436	1	1075000	1075000
245	yes	yes		2	0,005621	89,886	1	2793500	2793500
52	yes	yes		2	0,018899	66,92	1	274170	274170
159	yes	yes		3	0,008225	47,73	1	1482600	1482600
108	no	no		2	6,45E-05	118,61	1	37563000	37563000
110	no	no	2;3		9,70E-08	156,2	2	58353000	58353000
112	no	no		4	0,045281	27,734	1	3638800	3638800
40	yes	yes		2	2,60E-06	135,55	1	2938100	2938100
134	yes	yes		2	4,48E-05	101,62	1	752330	752330
239	yes	yes		2	4,85E-07	128,59	1	3712200	3712200
131	yes	yes		2	0,003101	88,495	1	1118500	1118500
34	yes	yes		2	0,012922	73,841	1	1862300	1862300
249	yes	yes		2	0,001838	80,142	1	996610	996610
344	yes	yes		2	0,001679	90,05	1	640260	640260
148	yes	yes		3	0,007463	78,264	1	5272000	5272000
122	yes	yes	2;3		2,12E-06	202,03	2	22621000	22621000
113	yes	yes		2	0,032585	62,978	1	7508500	7508500
119	yes	yes	2;3		0,001088	85,837	2	3612300	3612300
274	yes	yes		2	0,00728	98,997	1	16940000	16940000
279	yes	yes	2;3		5,16E-13	244,72	2	34481000	34481000
280	yes	yes	2;3;4		1,03E-17	276,12	3	2,14E+08	2,14E+08
253	yes	yes		2	0,001589	110,53	1	4413600	4413600
175	yes	yes		2	0,002556	117,4	1	5086200	5086200
234	yes	yes		2	0,00118	106,4	1	7,11E+08	7,11E+08
343	yes	yes		3	0,000451	90,793	1	988490	988490
351	yes	yes		2	0,000798	112,85	1	1478900	1478900
454	yes	yes		2	9,36E-06	120,21	1	1179900	1179900
96	yes	yes	2;3		2,54E-05	130,44	2	32634000	32634000
246	yes	yes		3	0,000115	109,95	1	3422100	3422100
290	yes	yes		2	0,003771	124,59	1	6209200	6209200

44	yes	yes	2	0,015477	80,165	1	6071800	6071800
200	yes	yes	2	0,001676	98,04	1	11007000	11007000
216	yes	yes	3	0,031101	49,243	1	0	0
36	yes	yes	2	0,022894	55,721	1	281370	281370
128	yes	yes	2	1,22E-09	190,44	1	0	0
53	yes	yes	2	5,43E-05	111,22	1	2218000	2218000
163	yes	yes	2	0,000522	123,62	1	4397500	4397500
78	yes	yes	2	9,58E-08	150,12	1	0	0
85	yes	yes	3	3,31E-05	100,07	1	0	0
212	yes	yes	3	0,000322	105,25	1	1218000	1218000
251	yes	yes	2	0,032258	63,306	1	932790	932790
494	yes	yes	2	7,57E-07	184,44	1	4156200	4156200

Reverse	Potential c	id	Protein grc	Mod. pept	Evidence II	MS/MS IDs	Best MS/M	Oxidation (
		0	36	0	0	0	0	
		1	43	1	1	1	1	
		2	196	2	2;3	2;3	2	
		3	126	3	4	4	4	
		4	107	4	5	5	5	
		5	206	5	6	6	6	
		6	152	6	7	7	7	
		7	236	7	8	8	8	
		8	38	8	9	9;10;11	9	
		9	120	9	10;11	12;13	12	129
		10	173	10	12;13	14;15;16	16	
		11	70	11	14	17;18	17	
		12	142	12	15	19	19	
	+	13	4	13	16	20;21;22	20	7
	+	14	4	14	17	23;24;25	23	7
	+	15	3	15	18	26	26	
		16	178	16	19	27;28	27	
	+	17	4	17	20	29;30	29	
		18	183	18	21	31	31	
		19	193	19	22	32	32	
		20	63	20	23	33	33	
		21	83	21	24	34;35	35	105
		22	231	22	25	36	36	
		23	141	23	26	37	37	
		24	120	24	27	38	38	
		25	183	25	28	39	39	
		26	109	26	29	40	40	
		27	58	27	30	41	41	
		28	207	28	31	42	42	
		29	209	29	32	43;44;45	45	
		30	129	30	33	46	46	
		31	49	31	34;35	47;48;49;5	51	
		32	212	32	36	52	52	
		33	23	33	37;38	53;54	54	
		34	85	34	39	55	55	
		35	15	35	40;41	56;57	57	
		36	173	36	42	58;59	59	
		37	199	37	43	60	60	
		38	148	38	44	61	61	152
		39	111	39	45	62	62	
		40	98	40	46	63;64	64	
		41	24	41	47	65;66	66	
		42	18	42	48	67	67	
		43	57	43	49	68	68	
		44	209	44	50	69	69	179
		45	87	45	51	70	70	
		46	30	46	52	71	71	
		47	32	47	53;54;55	72;73;74	74	
		48	32	48	56;57	75;76	75	

	49	185	49	58	77	77		
+	50	1	50	59	78	78		
	51	158	51	60	79	79		
+	52	4	52	61	80	80		
	53	39	53	62;63	81;82	82		
	54	77	54	64	83	83		
	55	237	55	65	84	84		
	56	165	56	66;67	85;86	86		
	57	24	57	68	87	87		
	58	164	58	69	88;89	88		
	59	14	59	70;71	90;91	90		
	60	81	60	72	92	92	99	
	61	67	61	73	93	93	78	
	62	172	62	74	94	94		
	63	178	63	75	95	95		
	64	178	64	76;77	96;97;98	96	170	
	65	39	65	78	99	99		
	66	43	66	79	100	100		
	67	43	67	80;81	101;102	102		
	68	155	68	82	103	103		
	69	81	69	83	104	104	100	
	70	17	70	84;85	105;106;10	106		
	71	41	71	86	109	109		
	72	82	72	87	110	110		
	73	152	73	88	111;112	112		
	74	159	74	89	113	113	162	
	75	149	75	90;91	114;115;11	115		
	76	177	76	92	118	118		
	77	15	77	93;94	119;120;12	122		
	78	179	78	95	123	123		
	79	224	79	96	124	124		
	80	101	80	97	125	125		
	81	41	81	98	126	126		
	82	120	82	99	127	127		
+	83	6	83	100	128	128		
	84	106	84	101	129	129		
	85	120	85	102	130	130		
	86	129	86	103	131	131		
	87	22	87	104	132	132		
	88	82	88	105	133	133		
	89	101	89	106;107	134;135	135		
	90	221	90	108	136	136		
	91	44	91	109	137;138;13	137		
	92	64	92	110	141	141		
	93	224	93	111	142	142		
	94	32	94	112	143	143	34	
	95	147	95	113	144	144		
	96	170	96	114	145	145		
	97	41	97	115	146	146		
	98	24	98	116;117	147;148	148		

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	100	160	100	119	150	150	
	101	96	101	120	151	151	
	102	34	102	121	152	152	
	103	23	103	122;123	153;154;15	157	24
	104	186	104	124	159	159	
	105	196	105	125;126	160;161;16	160	
	106	43	106	127;128	163;164;16	163	
	107	156	107	129	167	167	
	108	231	108	130	168	168	
	109	173	109	131	169	169	
	110	21	110	132	170	170	
	111	76	111	133	171	171	95
	112	206	112	134	172	172	
	113	150	113	135	173	173	
	114	113	114	136	174	174	
	115	100	115	137	175	175	
	116	140	116	138	176	176	
	117	44	117	139	177;178;17	180	
	118	218	118	140	181	181	
	119	195	119	141	182	182	
	120	111	120	142	183	183	
	121	44	121	143	184	184	
	122	134	122	144	185	185	
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	124	32	124	147	188;189	188	
	125	157	125	148	190	190	
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	127	32	127	150	193	193	
	128	58	128	151;152	194;195	195	
	129	44	129	153;154	196;197	197	
	130	29	130	155	198	198	
	131	178	131	156;157	199;200;20	200	
+	132	5	132	158	202;203;20	204	
	133	59	133	159	205	205	
	134	69	134	160	206	206	86
	135	161	135	161	207	207	
	136	202	136	162	208	208	
	137	202	137	163	209	209	
	138	39	138	164	210	210	
	139	198	139	165	211	211	
	140	111	140	166	212	212	
	141	98	141	167	213	213	
	142	216	142	168	214	214	187
	143	140	143	169	215;216	216	140;141
	144	149	144	170	217	217	
	145	103	145	171	218	218	
	146	178	146	172	219;220	220	171
	147	99	147	173	221;222;22	223	
	148	76	148	174	224;225;22	224	

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	150	44	150	176	230	230		
	151	44	151	177;178	231;232	232		
	152	134	152	179	233	233		
	153	205	153	180	234	234		
	154	120	154	181;182	235;236	236		
	155	161	155	183	237	237		
	156	224	156	184	238	238		
	157	99	157	185	239	239	111	
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	159	111	159	188	242;243	242		
	160	43	160	189	244	244		
	161	98	161	190	245	245		
	162	93	162	191	246	246		
	163	206	163	192	247	247	178	
	164	248	164	193;194	248;249	248		
	165	117	165	195	250;251	250		
	166	116	166	196	252	252	126	
	167	147	167	197;198	253;254	254	151	
+	168	3	168	199	255	255	3	
	169	101	169	200	256;257	257		
	170	83	170	201	258;259	258		
	171	16	171	202	260	260		
	172	110	172	203	261	261		
	173	212	173	204	262	262		
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	175	38	175	207	267;268;26	269		
	176	212	176	208;209	270;271	271		
	177	30	177	210	272	272		
	178	97	178	211	273	273		
	179	69	179	212	274	274		
	180	32	180	213	275;276;27	277		
	181	173	181	214	278	278		
	182	196	182	215	279	279		
	183	101	183	216	280	280		
	184	173	184	217	281	281		
	185	41	185	218;219	282;283;28	282		
	186	223	186	220	285	285		
	187	190	187	221	286	286		
	188	101	188	222;223	287;288;28	287		
	189	209	189	224	290	290	180	
	190	82	190	225	291;292	291		
	191	21	191	226	293;294	293		
	192	208	192	227	295	295		
	193	214	193	228;229	296;297	297		
	194	76	194	230	298	298	96	
	195	43	195	231	299	299		
	196	45	196	232	300	300		
	197	28	197	233	301	301		
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	201	27	201	237	307	307	
	202	20	202	238	308	308	
	203	144	203	239	309	309	
	204	234	204	240	310	310	
	205	173	205	241	311	311	
	206	70	206	242	312	312	
	207	15	207	243;244	313;314;31	313	
	208	42	208	245;246	316;317	316	
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	210	39	210	248	319	319	
	211	111	211	249	320;321;32	322	
	212	148	212	250	323	323	153
	213	140	213	251	324	324	
	214	140	214	252	325	325	
	215	99	215	253	326	326	
	216	171	216	254	327	327	166
	217	30	217	255	328	328	
	218	120	218	256	329;330	329	
	219	216	219	257	331	331	
+	220	4	220	258;259	332;333	332	
	221	54	221	260	334	334	63
	222	190	222	261;262	335;336	336	
	223	186	223	263	337;338;33	337	173
	224	176	224	264	340;341	340	
	225	44	225	265	342	342	
	226	44	226	266;267	343;344;34	345	
	227	142	227	268	346;347	346	
	228	92	228	269	348	348	
	229	206	229	270	349	349	
	230	73	230	271	350	350	
	231	79	231	272	351;352	351	98
	232	109	232	273	353	353	
	233	44	233	274;275	354;355;35	356	
	234	175	234	276	357	357	
	235	209	235	277	358	358	
	236	116	236	278	359	359	127
	237	25	237	279	360	360	30
	238	67	238	280;281	361;362;36	362	79
	239	35	239	282;283	366;367	367	
	240	99	240	284	368	368	
	241	23	241	285	369	369	
	242	27	242	286	370	370	
	243	41	243	287	371;372	371	
	244	37	244	288	373	373	
	245	117	245	289	374	374	
	246	48	246	290	375	375	
	247	170	247	291	376	376	
	248	170	248	292	377	377	

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	250	86	250	294	379	379			
	251	204	251	295	380	380			
	252	249	252	296	381	381			
	253	222	253	297	382	382			
	254	82	254	298;299	383;384;38	383	101		
	255	231	255	300	387;388	388			
+	256	6;7	256	301	389	389			
+	257	6;7	257	302	390	390			
	258	15	258	303	391	391	19		
	259	27	259	304	392	392			
	260	140	260	305	393	393			
	261	131	261	306	394	394	135;136		
	262	82	262	307	395	395			
	263	44	263	308	396	396			
	264	44	264	309;310	397;398	398			
	265	39	265	311	399	399			
	266	150	266	312	400	400			
	267	82	267	313	401	401			
	268	82	268	314;315	402;403;40	404			
	269	148	269	316	405	405			
	270	100	270	317	406	406			
	271	113	271	318	407	407			
	272	44	272	319;320	408;409;41	409			
	273	111	273	321	411	411			
	274	30	274	322	412	412			
	275	137	275	323	413	413	139		
	276	102	276	324	414	414			
	277	116	277	325;326	415;416	416	127		
	278	232	278	327	417	417			
	279	206	279	328	418	418			
+	280	7	280	329	419	419			
+	281	6;3	281	330	420	420			
+	282	3	282	331	421	421			
	283	18	283	332	422	422			
	284	69	284	333	423	423			
	285	23	285	334;335	424;425;42	425			
	286	165	286	336	427	427			
	287	44	287	337	428	428			
	288	44	288	338	429;430	430			
	289	139	289	339	431	431			
	290	139	290	340	432	432			
	291	120	291	341	433	433			
	292	249	292	342	434	434			
	293	242	293	343	435	435			
	294	182	294	344	436;437	437			
	295	150	295	345	438	438			
	296	72	296	346	439;440	439			
	297	72	297	347	441	441			
	298	142	298	348	442	442			

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+	300	5	300	350	444	444	
	301	64	301	351;352	445;446	446	
	302	44	302	353	447	447	
	303	23	303	354	448	448	
	304	44	304	355	449	449	
	305	38	305	356;357	450;451	451	
	306	205	306	358	452	452	
	307	27	307	359	453;454	454	31
	308	18	308	360;361	455;456;45	455	
	309	32	309	362	458	458	
	310	176;162	310	363	459	459	
	311	173	311	364	460	460	
	312	67	312	365	461;462	461	
	313	100	313	366	463	463	
	314	19	314	367	464	464	
	315	186	315	368	465;466	466	
	316	33	316	369	467	467	38
	317	209	317	370	468	468	
	318	120	318	371	469	469	
	319	103	319	372	470	470	115
	320	70	320	373	471;472	472	
	321	67	321	374	473	473	
+	322	6	322	375	474	474	
+	323	3	323	376	475	475	
+	324	5	324	377	476	476	
	325	50	325	378	477	477	
+	326	6	326	379	478	478	
+	327	5	327	380	479	479	
+	328	5	328	381	480	480	
+	329	6	329	382	481	481	
+	330	6	330	383	482	482	
	331	184	331	384	483	483	
	332	134	332	385	484	484	
	333	93	333	386	485	485	
	334	69	334	387	486	486	87
	335	104	335	388	487	487	
	336	90	336	389	488	488	110
	337	41	337	390;391	489;490	490	
	338	23	338	392	491	491	
	339	214	339	393	492	492	185
	340	44	340	394;395	493;494;49	494	
	341	146	341	396	496;497;49	499	
	342	190	342	397;398	500;501	500	
	343	106	343	399	502	502	
	344	140	344	400;401	503;504	504	
	345	242	345	402	505;506	505	
	346	98	346	403;404	507;508	507	
	347	145	347	405	509;510	509	150
	348	173	348	406	511	511	

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	350	76	350	409	514	514		
	351	58	351	410	515	515		
	352	156	352	411	516	516		160
	353	238	353	412	517	517		
	354	16	354	413	518	518		
	355	41	355	414	519;520;52	521		48
	356	82	356	415;416	522;523	522		102
	357	148	357	417	524	524		
	358	83	358	418	525;526	525		
	359	46	359	419	527;528;52	527		
	360	57	360	420	531	531		
	361	41	361	421	532;533	532		
+	362	8	362	422	534	534		
+	363	8	363	423	535	535		
	364	209	364	424	536	536		181
	365	120	365	425;426	537;538	537		130
+	366	8	366	427	539	539		
	367	70	367	428	540	540		
+	368	4	368	429	541	541		
	369	106	369	430	542	542		
	370	142	370	431	543	543		143
	371	134	371	432	544	544		
	372	120	372	433	545	545		
	373	81	373	434	546	546		
+	374	6	374	435	547	547		
	375	108	375	436	548	548		
	376	150	376	437	549	549		
	377	138	377	438	550	550		
	378	190	378	439	551	551		
	379	50	379	440	552	552		
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	381	67	381	442;443	557;558;55	559	80;81	
	382	70	382	444;445	560;561	560		
	383	122	383	446	562;563	563		
	384	54	384	447	564	564		
	385	120	385	448	565	565		
	386	41	386	449	566	566		
	387	62	387	450	567	567		
	388	142	388	451	568	568		
	389	69	389	452	569	569		
	390	33	390	453	570	570		39
	391	41	391	454	571	571		
	392	166	392	455	572	572		
	393	120	393	456	573	573		130
	394	146	394	457	574;575	575		
	395	43	395	458	576	576		
	396	100	396	459	577	577		
	397	234	397	460	578	578		
+	398	8	398	461	579	579		

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		400	176	400	463	581	581		
		401	186	401	464	582	582		
		402	58	402	465;466	583;584	583		
		403	127	403	467	585	585		
		404	140	404	468;469	586;587	586		
		405	221	405	470	588	588	191	
		406	188	406	471	589	589		
		407	46	407	472	590	590	55	
		408	13	408	473	591	591		
		409	72	409	474	592	592	92	
		410	209	410	475	593	593		
		411	190	411	476	594	594		
		412	179	412	477	595	595		
		413	26	413	478	596	596		
		414	80	414	479	597	597		
		415	59	415	480	598	598		
		416	169	416	481	599	599		
		417	227	417	482;483	600;601	601		
		418	186	418	484	602;603	602		
		419	124	419	485	604	604		
		420	150	420	486	605;606	606	157;158	
		421	50	421	487	607	607		
		422	179	422	488	608;609	608		
		423	43	423	489	610	610		
		424	179	424	490	611	611		
		425	56	425	491;492	612;613	613		
		426	151	426	493	614	614	159	
+		427	9	427	494	615	615	17	
		428	108	428	495	616	616		
		429	108	429	496	617;618	618		
		430	34	430	497	619	619		
		431	18	431	498	620	620		
	+	432	6;3	432	499	621	621		
		433	205	433	500	622	622	177	
		434	53	434	501;502	623;624	623		
		435	219	435	503;504	625;626;62	626		
		436	148	436	505	628	628		
		437	41	437	506	629;630;63	630		
		438	241	438	507	633	633		
		439	241	439	508;509	634;635	635		
		440	60	440	510	636	636		
		441	27	441	511	637	637		
		442	23	442	512	638	638		
		443	98	443	513	639	639		
		444	127	444	514;515	640;641	641		
		445	136	445	516	642	642		
		446	144	446	517;518	643;644	643		
		447	155	447	519	645	645		
		448	155	448	520	646	646		

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	450	135	450	523	650	650	
	451	55	451	524	651	651	
	452	23	452	525	652;653	652	
	453	23	453	526;527	654;655	655	
+	454	0	454	528	656	656	0
	455	76	455	529;530	657;658	658	
	456	76	456	531	659	659	
	457	98	457	532;533	660;661	660	
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	459	161	459	536	664	664	
	460	41	460	537;538	665;666	666	
	461	99	461	539	667	667	
	462	196	462	540	668	668	
	463	221	463	541	669	669	
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	467	82	467	546;547	677;678;67	681	
	468	125	468	548	684	684	
	469	71	469	549	685;686	685	
	470	220	470	550	687	687	
	471	229	471	551	688	688	
	472	135	472	552	689	689	
	473	202	473	553;554	690;691	691	
	474	69	474	555;556	692;693	693	
	475	173	475	557	694	694	168
	476	120	476	558	695	695	
	477	230	477	559	696	696	
	478	96	478	560	697	697	
	479	149	479	561	698	698	
	480	60	480	562	699;700;70	701	
	481	139	481	563	702;703	702	
	482	23	482	564;565	704;705;70	706	25
	483	176	483	566	707	707	
	484	35	484	567;568	708;709	708	
	485	82	485	569	710	710	
	486	212	486	570	711	711	183
	487	249	487	571	712	712	
	488	205	488	572;573	713;714	714	
	489	184	489	574;575	715;716	716	
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	491	39	491	578	719	719	
	492	133	492	579	720	720	
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	494	140	494	582	723;724;72	724	
	495	81	495	583	726	726	
	496	70	496	584	727;728;72	728	
	497	44	497	585;586	730;731	730	
	498	210	498	587	732	732	

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500	210	500	589	734	734	
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502	99	502	592	737	737	
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504	200	504	594	739	739	176
505	24	505	595	740	740	
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507	186	507	597;598	742;743	743	
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509	149	509	600	745	745	
510	72	510	601	746	746	93
511	48	511	602	747	747	
512	148	512	603	748	748	
513	76	513	604;605	749;750	749	97
514	98	514	606;607	751;752	752	
515	168	515	608	753	753	
516	43	516	609;610	754;755	754	
517	120	517	611	756	756	
518	82	518	612;613	757;758	757	
519	48	519	614	759	759	
520	170	520	615	760	760	
521	67	521	616;617	761;762;76	762	79
522	38	522	618;619	764;765	765	
523	69	523	620	766	766	
524	26	524	621	767	767	
525	44	525	622;623	768;769;77	770	
526	46	526	624	771	771	
527	46	527	625	772	772	
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529	120	529	627	776	776	
530	111	530	628	777	777	
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533	79	533	632	781	781	
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535	67	535	634	783	783	
536	44	536	635;636	784;785;78	786	
537	171	537	637;638	787;788	788	167
538	79	538	639	789	789	
539	163	539	640	790	790	
540	106	540	641	791	791	
541	41	541	642	792	792	
542	140	542	643	793	793	142
543	210	543	644	794	794	
544	165	544	645	795	795	
545	23	545	646	796;797;79	797	
546	190	546	647	799;800	799	174;175
547	124	547	648	801	801	
548	248	548	649	802	802	

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	550	195	550	651	804	804			
	551	83	551	652	805	805			
	552	173	552	653	806	806			
	553	34	553	654	807	807			
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	555	120	555	657	810	810			
	556	67	556	658	811	811			
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	560	59	560	664	818	818			
	561	228	561	665	819	819			
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	563	223	563	667	821	821			
	564	176	564	668	822;823	823			
	565	43	565	669;670	824;825;82	824			
	566	186	566	671	827;828;82	828			
	567	101	567	672	830	830			
	568	156	568	673	831	831			
	569	58	569	674	832	832			
	570	56	570	675	833	833			
	571	135	571	676;677	834;835	835			
	572	39	572	678	836	836			
	573	200	573	679	837	837			
	574	236	574	680	838	838			
+	575	4;5;1	575	681	839	839			
+	576	4;1	576	682;683	840;841	841			
	577	97	577	684	842	842			
	578	15	578	685	843	843			
	579	15	579	686	844	844			
	580	44	580	687;688	845;846	845			
+	581	3	581	689	847	847	4;5		
	582	39	582	690	848	848			
	583	153	583	691	849	849			
	584	32	584	692	850	850			
	585	32	585	693;694	851;852;85	853			
	586	28	586	695	859	859			
	587	28	587	696	860	860			
+	588	4	588	697	861	861			
	589	50	589	698	862	862			
	590	138	590	699	863	863			
	591	240	591	700	864	864			197
	592	59	592	701	865	865	71;72		
	593	60	593	702	866;867	867			
	594	50	594	703;704;70	868;869;87	868			
	595	128	595	706	871	871			
	596	41	596	707	872	872			
	597	223	597	708	873	873			
	598	127	598	709	874	874			

	599	60	599	710	875	875	
	600	108	600	711	876	876	
	601	165	601	712	877	877	
+	602	0	602	713	878	878	
	603	111	603	714	879	879	121
	604	104	604	715	880	880	
	605	50	605	716	881;882	882	
	606	50	606	717;718	883;884	884	
	607	111	607	719	885;886	885	
	608	33	608	720	887;888;88	888	40
	609	15	609	721	890	890	19
	610	223	610	722	891	891	
	611	124	611	723	892	892	
	612	235	612	724	893	893	196
	613	122	613	725;726	894;895	895	
	614	246	614	727;728	896;897	897	
	615	128	615	729	898	898	
	616	178	616	730	899	899	
	617	149	617	731	900	900	
	618	101	618	732	901	901	
	619	121	619	733	902	902	
	620	212	620	734;735	903;904;90	904	
	621	111	621	736	907	907	122
	622	135	622	737	908	908	
	623	23	623	738	909	909	
	624	211	624	739	910	910	
	625	44	625	740	911;912	911	
	626	234	626	741	913	913	
	627	97	627	742	914	914	
+	628	4	628	743	915	915	
	629	20	629	744	916	916	
	630	23	630	745;746	917;918	918	
	631	43	631	747	919;920	920	
	632	18	632	748;749	921;922;92	922	21
+	633	6;7	633	750	924	924	
	634	72	634	751	925	925	
	635	108	635	752;753	926;927;92	928	
	636	67	636;637	754;755	929;930	929	82
	637	115	638	756	931;932	931	
	638	70	639	757	933	933	
	639	149	640	758	934	934	
	640	85	641	759	935	935	107
	641	220	642	760	936	936	190
	642	163	643	761	937	937	163;164
	643	32	644	762	938	938	
	644	32	645	763	939	939	
	645	28	646	764	940	940	
	646	18	647	765	941	941	
	647	185	648	766	942	942	
	648	146	649	767;768	943;944;94	943	

		649	83	650	769	947	947		
		650	190	651	770	948	948		
		651	15	652	771	949	949		
		652	27	653	772	950	950		
		653	192	654	773	951	951		
		654	120	655	774	952	952		
		655	134	656	775;776	953;954;95	953	138	
		656	214	657	777	956	956		
	+	657	6	658	778;779	957;958	957		
	+	658	6	659	780	959;960	959		
		659	43	660	781;782	961;962;96	962		
		660	173	661	783	967	967		
		661	39	662	784	968	968		
		662	190	663	785	969	969		
		663	87	664	786	970	970		
		664	87	665	787	971	971		
		665	144	666	788	972	972		
		666	43	667	789;790	973;974	974		
		667	102	668	791	975	975		
		668	24	669	792	976	976		
		669	23	670	793	977;978	977		
		670	68	671	794	979	979		
		671	165	672	795	980	980		
	+	672	3;7	673	796;797	981;982	982		
		673	12	674	798;799	983;984	983		
		674	33	675	800	985;986	986		
		675	38	676	801	987	987		
		676	203	677	802	988	988		
		677	32	678	803	989;990;99	990		
		678	120	679	804	992	992		
		679	70	680	805	993	993		
		680	136	681	806;807	994;995	995		
		681	140	682	808	996	996		
		682	43	683	809;810	997;998	997		
		683	43	684	811	999	999		
		684	71	685	812	1000	1000		
		685	189	686	813	1001	1001		
	+	686	0	687	814	1002	1002		
		687	48	688	815	1003	1003		
+		688	10	689	816	1004	1004		
		689	43	690	817	1005;1006	1006		
		690	92	691	818	1007	1007		
		691	132	692	819	1008	1008		
		692	219	693	820	1009	1009		
		693	219	694	821;822	1010;1011	1010		
		694	181	695	823	1012	1012		
		695	100	696	824	1013	1013		
		696	237	697	825	1014	1014		
		697	37	698	826	1015;1016	1015		
		698	23	699	827;828	1017;1018	1017		

	699	82	700	829	1019;1020	1019	
	700	24	701	830	1021	1021	
	701	127	702	831	1022	1022	
	702	43	703	832;833	1023;1024	1030	50
	703	216	704	834	1032	1032	
	704	107	705	835	1033	1033	
	705	107	706	836	1034	1034	
	706	206	707	837	1035	1035	
	707	168	708	838	1036	1036	
	708	13	709	839	1037	1037	18
	709	106	710	840	1038	1038	119
	710	86	711	841	1039	1039	108
	711	120	712	842	1040	1040	131
	712	33	713	843	1041	1041	41
	713	59	714	844	1042	1042	73;74;75
	714	67	715;716	845;846	1043;1044	1045	83;84;85
	715	67	717	847	1046	1046	83;84;85
	716	88	718	848	1047	1047	109
	717	144	719	849;850	1048;1049	1049	144;145;14
	718	216	720	851	1052	1052	188
	719	104	721	852	1053	1053	117;118
	720	214	722	853	1054	1054	186
	721	233	723	854	1055	1055	194
+	722	3	724	855	1056	1056	6
	723	101	725	856	1057	1057	112
	724	32	726	857	1058	1058	35
	725	173	727	858	1059	1059	
+	726	5	728	859	1060	1060	10
	727	36	729	860	1061	1061	44
	728	190	730	861	1062	1062	
	729	190	731	862	1063	1063	
	730	185	732	863	1064	1064	
	731	245	733	864	1065	1065	
	732	111	734	865	1066	1066	
	733	44	735	866;867	1067;1068	1067	
	734	44	736	868	1069;1070	1070	
	735	107	737	869	1071;1072	1072	120
	736	37	738	870	1073	1073	
	737	212	739	871	1074	1074	
	738	162	740	872	1075	1075	
	739	32	741	873	1076	1076	
	740	147	742	874	1077	1077	
	741	108	743	875	1078	1078	
	742	154	744	876	1079	1079	
	743	206	745	877	1080;1081	1080	
	744	205	746	878	1082	1082	
	745	219	747	879	1083	1083	
	746	49	748	880	1084	1084	
+	747	4	749	881	1085	1085	
	748	174	750	882	1086	1086	

	749	43	751	883	1087	1087		
	750	227	752	884	1088	1088		
	751	78	753	885	1089	1089		
	752	32	754	886	1090	1090		
	753	64	755	887	1091	1091		
	754	225	756	888	1092	1092		
	755	107	757	889;890	1093;1094	1093		
+	756	3	758	891	1098	1098		
+	757	3;7	759	892	1099	1099		
	758	120	760	893	1100;1101	1101		
	759	50	761	894	1102;1103	1102		
+	760	6	762	895	1104	1104		
	761	173	763	896;897	1105;1106	1105		
	762	140	764	898	1107	1107		
	763	249	765	899	1108	1108		
	764	100	766	900	1109	1109		
	765	120	767	901	1110	1110		
	766	120	768	902;903	1111;1112	1112		
	767	171	769	904	1113	1113		
	768	60	770	905	1114	1114		
	769	60	771	906	1115	1115		
	770	111	772	907	1116	1116		
	771	43	773	908;909	1117;1118	1118		
	772	43	774	910;911	1119;1120	1120		
	773	38	775;776	912;913	1121;1122	1121		45
	774	149	777	914	1123	1123	155;156	
	775	120	778	915	1124	1124	132;133	
+	776	3	779	916	1125	1125	4;5	
	777	100	780	917	1126	1126		
	778	109	781	918	1127	1127		
	779	61	782	919	1128	1128		
	780	210	783	920	1129	1129		
	781	101	784	921	1130	1130		
	782	39	785	922	1131	1131		
	783	114	786	923	1132	1132		125
	784	128	787	924	1133	1133		
	785	163	788	925	1134	1134		
	786	50	789	926	1135	1135		
	787	82	790	927;928	1136;1137	1140	103;104	
	788	69	791	929	1143	1143		
	789	76	792	930	1144	1144		
	790	99	793	931	1145	1145		
	791	70	794	932	1146	1146		89
	792	56	795	933	1147	1147	67;68	
	793	171	796	934;935	1148;1149	1148		
	794	70	797	936	1151	1151		
+	795	4	798	937	1152;1153	1153		
+	796	4	799	938;939	1154;1155	1155	8;9	
	797	43	800	940;941	1158;1159	1161		51
	798	206	801	942;943	1163;1164	1163		

	799	165	802	944	1165	1165	
	800	173	803	945	1166;1167	1168	
+	801	5	804	946	1171;1172	1171	
	802	120	805	947;948	1173;1174	1174	
	803	235	806	949	1175	1175	
	804	245	807	950	1176	1176	
	805	32	808	951	1177;1178	1178	
	806	59	809	952	1179;1180	1179	75
	807	213	810	953	1181;1182	1181	
	808	15	811	954	1183	1183	
	809	219	812	955	1184	1184	
	810	197	813	956	1185	1185	
	811	140	814	957	1186;1187	1187	
	812	19	815	958	1188	1188	
	813	108	816	959	1189	1189	
	814	21	817	960	1190	1190	
	815	31	818	961	1191	1191	
	816	31	819	962	1192	1192	
	817	30	820	963	1193	1193	
	818	128	821	964	1194	1194	
+	819	5	822	965	1195	1195	
	820	196	823	966	1196	1196	
	821	82	824	967;968	1197;1198	1205	
	822	70	825	969	1207	1207	
+	823	3	826	970	1208	1208	
	824	212	827	971	1209	1209	
	825	19	828	972;973	1210;1211	1210	
	826	223	829	974	1212	1212	192
	827	34	830	975	1213	1213	
	828	82	831	976	1214;1215	1214	
	829	33	832	977	1216	1216	
	830	27	833	978	1217	1217	
	831	99	834	979	1218;1219	1219	
	832	32	835	980;981	1220;1221	1222	
	833	223	836	982	1223	1223	
	834	99	837	983	1224;1225	1225	
	835	219	838	984	1226	1226	189
	836	41	839	985	1227;1228	1231	
	837	60	840	986	1232	1232	
	838	32	841	987;988	1233;1234	1234	
	839	178	842	989;990	1235;1236	1236	
	840	85	843	991	1237	1237	
	841	83	844	992	1238	1238	
+	842	8	845	993	1239	1239	
+	843	4	846	994;995	1240;1241	1241	
	844	32	847	996;997	1242;1243	1242	
	845	32	848	998	1244;1245	1244	
	846	194	849	999	1246	1246	
	847	170	850	1000	1247	1247	
	848	27	851	1001	1248	1248	

	+	849	5	852	1002	1249	1249	11	
		850	43	853	1003;1004	1250;1251	1251		
+		851	11	854	1005	1252	1252		
		852	55	855	1006	1253	1253	66	
		853	208	856	1007	1254	1254		
		854	156	857	1008	1255	1255	161	
		855	85	858	1009	1256	1256		
		856	58	859	1010	1257	1257		
		857	38	860	1011	1258	1258		
		858	140	861	1012	1259	1259		
		859	227	862	1013	1260	1260		
		860	159	863	1014	1261	1261		
		861	51	864	1015	1262	1262		
		862	111	865	1016	1263	1263		
		863	176	866	1017	1264	1264		
		864	15	867	1018;1019	1265;1266	1265		
		865	120	868	1020	1267	1267		
		866	70	869	1021	1268	1268		
		867	75	870	1022	1269	1269	94	
		868	81	871	1023	1270	1270		
		869	19	872	1024	1271	1271		
		870	243	873	1025;1026	1272;1273	1272		
		871	173	874	1027;1028	1274;1275	1275		
		872	41	875	1029;1030	1276;1277	1277		
		873	202	876	1031	1278	1278		
		874	61	877	1032	1279	1279		
		875	202	878	1033	1280	1280		
		876	149	879	1034	1281	1281		
		877	44	880	1035	1282	1282		
		878	44	881	1036;1037	1283;1284	1284		
		879	196	882	1038;1039	1286;1287	1286		
		880	111	883	1040	1288;1289	1289	123	
		881	144	884	1041;1042	1290;1291	1290		
		882	219	885	1043	1292;1293	1292		
		883	142	886	1044	1294	1294		
		884	41	887	1045	1295	1295		
		885	32	888	1046;1047	1296;1297	1296		
		886	223	889	1048	1298	1298		
		887	195	890	1049	1299	1299		
	+	888	2	891	1050	1300	1300	2	
		889	120	892	1051	1301	1301		
		890	67	893	1052	1302	1302		
		891	165	894	1053	1303;1304	1303		
	+	892	5	895	1054	1305	1305	12;13	
		893	43	896	1055	1306	1306	52;53;54	
		894	65	897	1056	1307	1307		
		895	58	898	1057	1308	1308		
		896	24	899	1058	1309	1309		
	+	897	4	900	1059;1060	1310;1311	1311		
		898	237	901	1061	1312	1312		

	899	70	902	1062	1313	1313	90
	900	97	903	1063	1314	1314	
	901	145	904	1064	1315	1315	
	902	80	905	1065	1316	1316	
	903	27	906	1066;1067	1317;1318	1317	
	904	120	907	1068	1321	1321	
	905	244	908	1069	1322	1322	198
+	906	5	909	1070	1323	1323	
	907	212	910	1071	1324	1324	184
	908	119	911	1072;1073	1325;1326	1326	128
	909	171	912	1074	1327;1328	1328	
	910	171	913	1075	1329	1329	
	911	89	914	1076	1330	1330	
	912	91	915	1077	1331;1332	1332	
	913	56	916	1078	1334	1334	
	914	27	917	1079	1335	1335	
	915	63	918	1080	1336;1337	1336	
	916	209	919	1081;1082	1338;1339	1338	
	917	106	920	1083	1341	1341	
	918	107	921	1084	1342	1342	
	919	107	922	1085	1343;1344	1343	
	920	76	923	1086	1345	1345	
+	921	6	924	1087	1346;1347	1347	
	922	109	925	1088	1348	1348	
	923	178	926	1089;1090	1349;1350	1349	
	924	162	927	1091	1351	1351	
+	925	3	928	1092;1093	1352;1353	1352	
+	926	6	929	1094	1354	1354	
	927	60	930	1095	1355;1356	1356	
+	928	4	931	1096	1357	1357	
	929	35	932	1097	1358	1358	
	930	19;20	933	1098	1359	1359	
	931	137	934	1099	1360	1360	
	932	116	935	1100	1361	1361	
	933	116	936	1101	1362;1363	1363	
	934	171	937	1102;1103	1364;1365	1365	
	935	223	938	1104	1366	1366	
	936	43	939	1105	1367	1367	
	937	206	940	1106	1368	1368	
+	938	3;7	941	1107	1369	1369	
	939	85	942	1108	1370	1370	
	940	174	943	1109	1371	1371	
	941	50	944	1110;1111	1372;1373	1372	
+	942	4	945	1112	1374	1374	
	943	47	946	1113	1375	1375	60
+	944	3	947	1114	1376;1377	1377	
+	945	3	948	1115;1116	1378;1379	1380	
	946	227	949	1117	1381	1381	
	947	23	950	1118;1119	1382;1383	1382	26
	948	110	951	1120	1387;1388	1387	

+	949	6	952	1121	1389	1389		
+	950	3	953	1122	1390	1390		
	951	138	954	1123	1391	1391		
	952	138	955	1124	1392	1392		
	953	41	956	1125;1126	1393;1394	1394		
	954	41	957	1127	1395	1395		
	955	58	958	1128	1396;1397	1396		70
	956	142	959	1129	1400	1400		
	957	201	960	1130	1401	1401		
	958	210	961	1131	1402	1402		
	959	191	962	1132	1403	1403		
	960	210	963	1133;1134	1404;1405	1405		
	961	81	964	1135	1407	1407		
+	962	2	965	1136	1408	1408		
	963	39	966	1137;1138	1409;1410	1409		
	964	196	967	1139	1411;1412	1411		
	965	167	968	1140	1414;1415	1415		
	966	32	969	1141	1416;1417	1416		
	967	32	970	1142;1143	1418;1419	1419		36
	968	63	971	1145	1429	1429	76;77	
	969	142	972	1146	1430;1431	1433		
	970	217	973	1147	1434	1434		
+	971	4	974	1148	1435	1435		
+	972	4	975	1149;1150	1436;1437	1437		
	973	196	976	1151	1438	1438		
	974	196	977	1152	1439	1439		
	975	186	978	1153;1154	1440;1441	1441		
	976	17	979	1155	1442	1442		
	977	237	980	1156	1443	1443		
	978	101	981	1157	1444	1444		113
	979	106	982	1158	1445	1445		
	980	124	983	1159	1446	1446		
	981	44	984	1160;1161	1447;1448	1447		
	982	82	985	1162	1449;1450	1449		
+	983	5	986	1163	1451	1451		14
	984	206	987	1164	1452;1453	1452		
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	987	46	990	1168;1169	1457;1458	1459	56;57	
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	990	127	993	1172;1173	1464;1465	1465		
	991	41	994	1174;1175	1466;1467	1467		
	992	103	995	1176	1468	1468		116
	993	231	996	1177;1178	1469;1470	1469		
	994	46	997	1179	1471;1472	1471	58;59	
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	997	58	1000	1182	1475	1475		
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	1005	247	1008	1193	1487;1488	1488	199
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	1016	190	1019	1206	1505	1505	
	1017	139	1020	1207	1506	1506	
	1018	41	1021	1208	1507	1507	
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