Supporting Information:

Supplemental Methods

*FT-ARM Theoretical False Peptide Match Simulation*

The program was developed in-house using the C++ programming language. This program is a branch from the FT-ARM code which allows the user to input a FASTA database, a center mass, an isolation width, a number of replicates, and a match count threshold. The following parameters were used to generate simulation data: 750 m/z center, 100 m/z width, 5 replicates, and 1-16 match count threshold. Given the input parameters the program calculates tryptic peptides whose m/z value lie within the isolation window of interest. For each peptide in the database, a random subset of b and y fragment ions are sampled without replacement from that target peptide. This data stream is designed to simulate the hypothetical or spectral library data within the dot product calculation of FT-ARM. This set of fragment ions is utilized for an FT-ARM calculation against all other queried peptides in the database which fall in the isolation window and have a predicted hydrophobicity[30] within ±0.5 (SSRCalc)[30]. The data stream of peptides calculated from the FASTA database within a set hydrophobicity window are designed to simulate the multiplexed data acquired by the mass spectrometer. All predicted b and y fragment ions are considered from the queried peptides in this calculation. In this way, any peptide which has met the latter criteria can contribute to the false identification of the target peptide. Target peptides are not scored against themselves during this simulation. If the number of matching b and y ions exceeds the match count for a given query this is termed a false positive match from the database. The percentage of false positive matches has been

calculated by taking the average of 5 replicate simulations and dividing by the total number of queries in the FT-ARM search (# of peptides residing in the m/z window of interest).

Post FT-ARM Data Processing

FT-ARM output includes peak areas for identified peptides integrated directly from score chromatograms, however, normalization and other post processing was performed using Excel (Microsoft, Redmond,WA)or R: A Language and Environment for Statistical Computing(R Group, Vienna, Austria). Specifically, quantification data presented in the BSA dilution series(DAFLGSFLYEYSR and VPQVSTPTLVEVSR) here has been normalized to a reference analyte yeast enolase 2(AVDDFLISLDGTANK). Peptide areas were extracted from SRM data using Xcalibur(Thermo Scientific, Bremen, Germany).

All peptides above 5% FDR were quantified in the *E. coli* dilution series. Peptides identified were normalized to a separate FT-ARM acquisition on *E. coli* lysate without the yeast lysate background. Each peptide sequence detected was normalized to the same sequence identified in the reference acquisition. Each dilution was analyzed in triplicate to provide statistics. Observed ratios (normalized to the reference acquisition) were plotted against the dilution ratio. In bar plots shown, "whiskers" represent one standard deviation, boxes represent 25th and 75th quantile, notches represent 95% confidence interval for determining difference between two medians, and the solid line represents the median of the data.
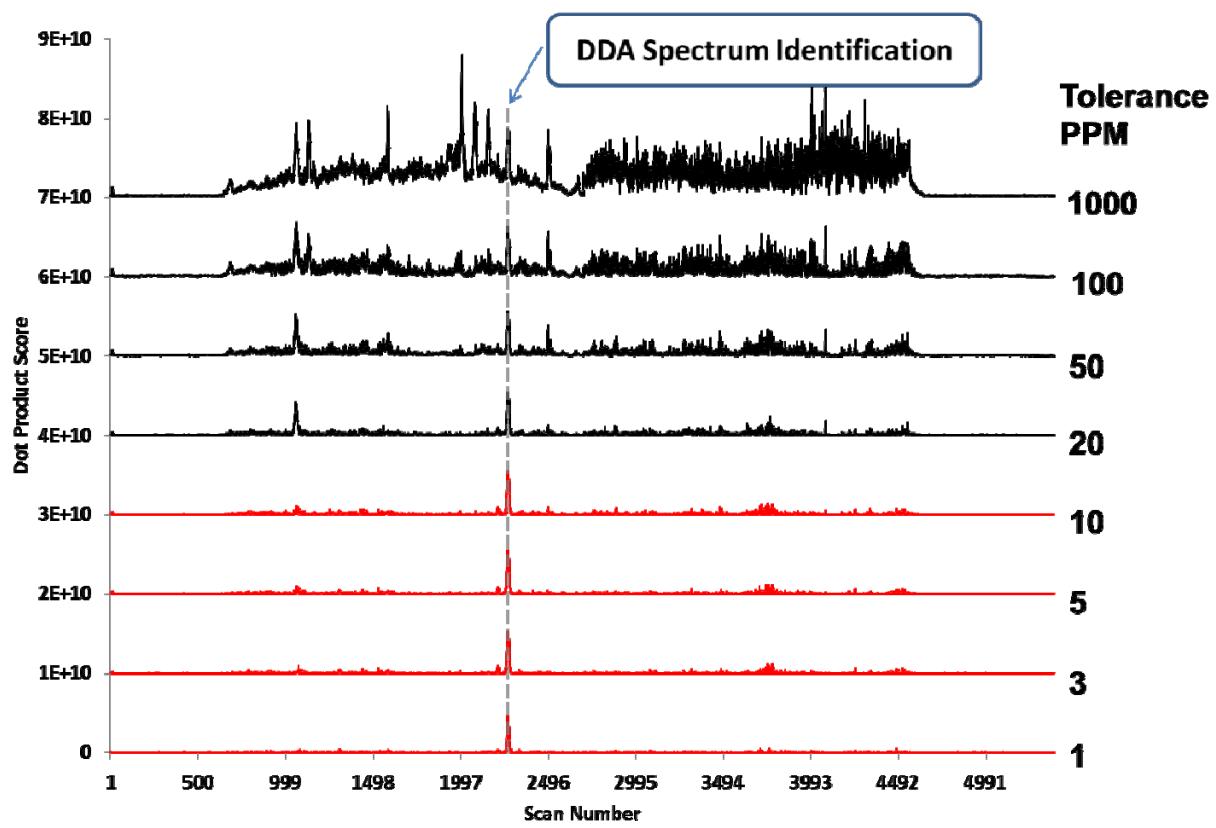
Supplemental Figure 1
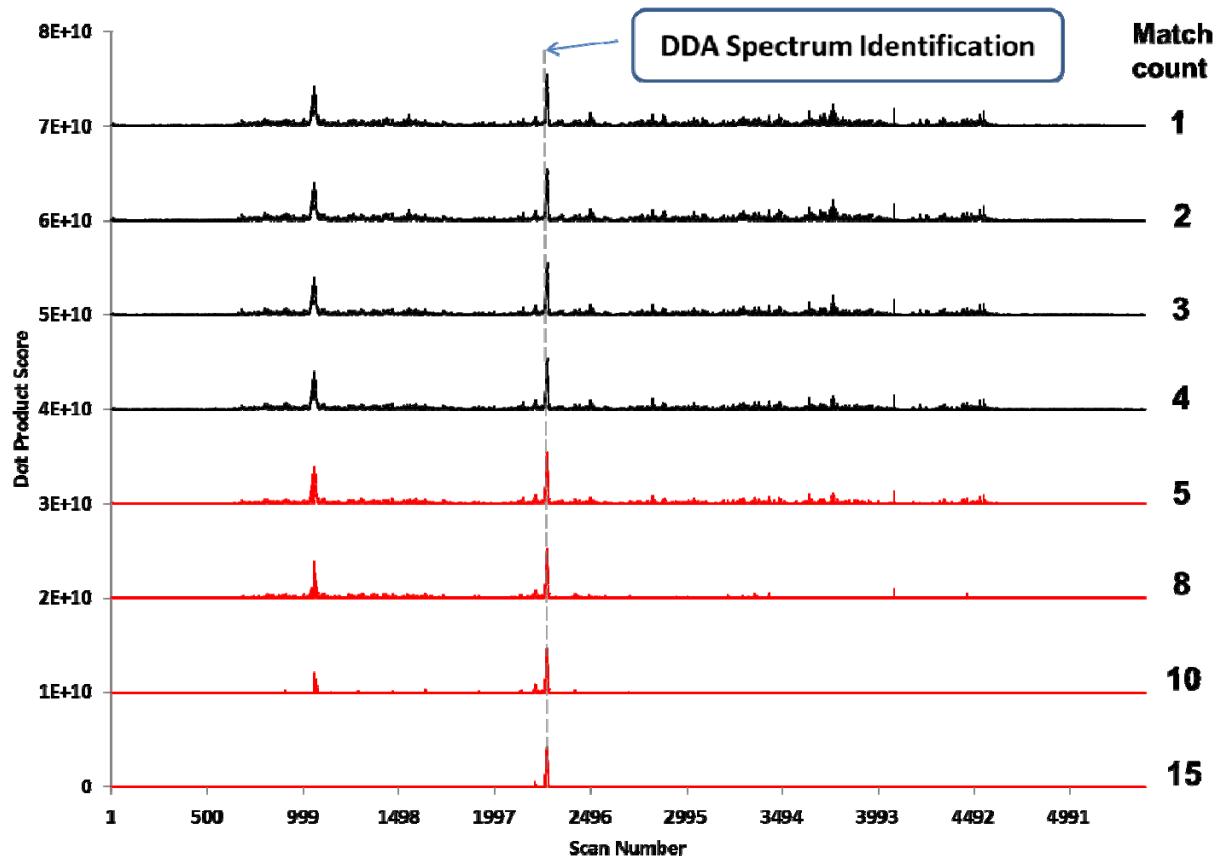
Supplemental Figure 2

Supplemental Figures 1-2. A) Effect of fragment mass tolerance on FT-ARM identification of a single

tryptic peptide *(LGANAILGVSLAASR)* in a yeast whole cell lysate digest spiked with digested BSA.

Tolerance of 10 ppm smaller yields highly specific detection. **B)** Effect of match count on FT-ARM

identification of the same tryptic peptide with the ppm tolerance set to 20 ppm.

Lists of peptide identifications for both DIA-FT-ARM and DDA-Mascot have been provided in
Supplemental Tables 1-2.

Supplemental Table 1: DIA-FTARM Peptide Identifications (<5% FDR)

peptide	q-value	FT-ARM	m/z 2+	m/z 3+	scan #	RT	protein	match count
AAAPTVVFLDELDSIAK	0.006	1.55E+05	880.477	587.321	5504	89.7	YDL126C	10
AAEAATTDLTYR	0.007	1.84E+05	641.817	428.214	1387	28.8	YOR230W	9
AAEEADADAELADEEDAIHDEL	0.000	4.21E+04	1171.49	781.331	2827	72.8	YCL043C	10
AAEPHAVSLAWSADGQTLFAGYTDNVIR	0.007	4.90E+04	1480.73	987.489	3910	65.4	YMR116C	11
AAGANVDNVWADVYAK	0.000	3.98E+05	832.407	555.274	3624	61.4	YDL130W	12
AAGLVDIATVLSTSAYLIESK	0.032	2.60E+04	1061.59	708.06	6733	116.1	YER055C	10
AAPIVDDEETEFDIYNSK	0.028	1.94E+04	1028.47	685.985	2441	62.9	YER070W	8
ADDDSVTIISAGNDK	0.010	6.61E+05	760.857	507.574	1833	35.5	YMR116C	15
ADLMLYVSK	0.000	8.69E+05	520.278	347.188	3071	53.6	YDR385W	8
ADTGIAVEGATDAAR	0.032	1.02E+05	709.35	473.235	1453	29.9	YGL008C	10
ADYANGVLTLTVPK	0.010	5.10E+05	731.401	487.936	3613	61.3	YBR072W	10
AEAESLVAEAQLSNITR	0.000	1.83E+05	901.468	601.315	3680	62.3	YGR086C	15
AEAPKPEVPEDEPEGEPDVK	0.021	1.46E+05	1081.51	721.343	1463	30	YCR088W	10
AEELNISGEFFR	0.010	6.66E+05	706.346	471.233	4103	67.9	YIL133C	13
AEEWLYDEGFDSIK	0.000	1.06E+06	851.386	567.926	4359	71.5	YPL106C	16
AELDPLDIDAVLLTGGVSFTPK	0.032	4.91E+04	1136.11	757.742	6298	105.7	YHR064C	10
AELINNLGTIAK	0.000	1.52E+06	628.864	419.578	2987	52.4	YMR186W	11
AEPIDEEVSLAIENGIINPR	0.010	3.65E+05	1090.07	727.046	4813	78.1	YDR385W	14
AEQLYEGPADDANCIAIK	0.000	3.42E+05	960.954	640.972	2835	50.1	YDR385W	11
AEQVFQNVK	0.026	4.04E+05	531.783	354.857	1256	26.8	YIL051C	8
AEVSDVGNAILDGADCVMLSGETAK	0.000	2.94E+06	1233.08	822.389	5284	85.7	YAL038W	18
AEVSDVGNAVLDGADCVMLSGETAK	0.000	2.31E+06	1226.07	817.717	5284	85.7	YOR347C	12
AFEHTADYDAAISDFFR	0.000	7.65E+05	988.445	659.299	4727	76.8	YLR028C	12
AFIDEQFPQGISEPIPLGFTFSFPASQNK	0.000	1.68E+05	1606.8	1071.54	4011	102.2	YGL253W	10
AFPLADAALTQQILDVVQQAANLR	0.006	1.43E+05	1283.7	856.138	7144	126.6	YEL026W	19
AGAGHSNTLQVSTV	0.000	1.89E+06	671.341	447.897	1427	29.5	YAL038W	9
AGANSMIQNVVDSDTISETAAR	0.000	3.75E+04	1125.54	750.694	2542	65.5	YLL026W	8
AGAPVDALINQIVPLLEK	0.000	2.32E+05	931.043	621.031	6440	109	YHR183W	17
AGAVAPEDIWVR	0.000	1.40E+06	642.341	428.563	3212	55.7	YLR340W	10
AGELTQEELER	0.000	1.93E+06	637.815	425.546	1442	29.7	YDR450W	11
AHPDVLTVMLQMLDDGR	0.025	1.04E+05	955.977	637.654	6292	105.6	YLL026W	12
AHSSMVGFDLPQR	0.016	1.91E+05	722.854	482.238	2428	44.1	YCR012W	10
AIEMEGLTWGAHQFIPIGFGIK	0.006	2.17E+05	1208.13	805.756	5649	92.5	YAL003W	15
AIEQLNYTPIK	0.007	3.21E+05	645.359	430.575	2577	46.3	YER165W	11
AIFEELSDIPVSVELASDFLDR	0.020	4.73E+04	1233.13	822.42	6739	116.2	YKL104C	10
AIGYNPTNQLVQDIINADSSLR	0.006	1.52E+05	1201.62	801.415	5924	97.9	YGL106W	13
AIMPIIEGHDVLAQAQSGTGK	0.010	5.54E+05	1068.56	712.709	3623	61.4	YJL138C	15
AIPGEYITYALSGYVR	0.006	1.69E+05	886.965	591.645	5004	81	YJL136C	10
AIPSALSYVGEDEYHGGQALQQLIR	0.000	9.54E+04	1358.19	905.796	4845	78.5	YHR064C	12
AIQVEGQPIILTGAPAINK	0.000	1.16E+05	967.059	645.042	3780	63.7	YNR016C	14
ALDDFGVDYIELTSPVASEQSR	0.000	9.33E+04	1206.58	804.724	3313	84.9	YDL131W	10
ALDTVTNVLNFIK	0.032	8.26E+04	724.411	483.277	5363	87.2	YKL182W	10
ALELASAEQR	0.026	3.19E+05	544.291	363.196	1401	29.1	YJL167W	8
ALENPTRPFLAILGGAK	0.006	1.03E+05	884.509	590.009	4699	76.4	YCR012W	10
ALENTNYAVDLGR	0.021	1.57E+05	718.362	479.244	2473	44.8	YDR129C	10
ALGGAPKPDYPIATQDTLTEYDAFLFGIPTR	0.000	4.64E+04	1669.85	1113.57	3662	93.6	YDR032C	9

Peptide								
ALGIMALLDEGETDWK	0.006	2.70E+05	881.44	587.962	5679	93.1	YBR011C	12
ALLPHLTNAIVETNK	0.026	3.48E+05	817.467	545.314	3141	54.6	YLR249W	8
ALNGVSTDVQGTDFSEVSYDSVLER	0.000	2.68E+04	1344.64	896.759	2824	72.7	YLL050C	8
ALPDAVTIIEPK	0.000	9.87E+05	633.869	422.915	3512	59.9	YNL178W	11
ALTEQAQTLTLSSR	0.032	5.91E+04	759.91	506.942	2223	41.1	YLR438W	10
ALYELLSAADQK	0.025	1.09E+05	661.354	441.238	3677	62.2	YER110C	9
AMYTLSAQDEVFSLAFSPNR	0.000	4.04E+04	1124.04	749.697	3457	88.5	YMR116C	8
ANELLINVK	0.000	7.31E+06	507.303	338.538	2521	45.5	YOL086C	11
ANFEIDLPDAK	0.000	4.37E+05	616.812	411.543	3342	57.6	YGL245W	9
APEAEQVLSAAATFPIAQPATDVEAR	0.006	2.06E+05	1327.18	885.12	2784	49.4	YDL082W	10
APEALFHPSVLGLESAGIDQTTYNSIMK	0.000	6.62E+04	1495.25	997.171	3235	56	YFL039C	10
APEGELGDSLQTAFDEGK	0.007	3.12E+04	932.434	621.958	3685	62.3	YEL034W	11
APFDLFESK	0.000	9.51E+05	527.266	351.847	3791	63.8	YMR186W	8
APIVAYAELIAAR	0.030	7.55E+04	679.396	453.266	4632	75.4	YGL245W	10
APLEEIVISNDYLNK	0.006	1.04E+05	859.454	573.305	4244	69.9	YOR332W	10
APYNISSLASEYALK	0.020	4.16E+04	813.922	542.951	4259	70.1	YIL116W	10
AQFETLTAPLVK	0.000	5.13E+05	659.374	439.919	3372	58	YJR045C	11
AQLTSSSGGNIIVVSNR	0.020	6.35E+04	851.958	568.308	2059	38.8	YBR126C	13
AQPTEVSSILEER	0.010	3.22E+05	729.875	486.919	2898	51	YBL099W	12
AQYNEIQGWDHLSLLPTFGAK	0.000	4.60E+04	1194.6	796.738	3732	95.3	YLR044C	8
ASAPGSVILLENLR	0.010	4.29E+05	720.414	480.612	4223	69.6	YCR012W	10
ASGEIVSINQINEAHPTK	0.000	1.43E+05	954.495	636.666	2125	39.7	YMR242C	11
ASGTVVVADTGDFGSIAK	0.000	5.28E+05	847.933	565.625	2969	52.1	YLR354C	20
ASLNVGNVLPLGSVPEGTIVSNVEEKPGDR	0.000	2.42E+05	1524.3	1016.54	2956	76.1	YFR031C-A	15
ASLVPGTVLILLAGR	0.010	4.52E+05	740.467	493.98	5888	97.2	YLR448W	11
ATAGDTHLGGEDFDNR	0.000	5.18E+05	838.369	559.248	1224	26.3	YAL005C	16
ATDGGAHGVINVSVSEAAIEASTR	0.000	1.77E+06	1156.58	771.387	3303	57	YOL086C	18
ATGQEMDVVSEEPLIEWLAANYK	0.024	3.40E+04	1297.13	865.088	6189	103.3	YBR143C	10
ATNGGAHGIINVSVSEAAIEASTR	0.000	1.22E+06	1163.09	775.731	3298	57	YMR303C	10
ATNGGSHGVINVSVSEAAIEASTR	0.000	1.47E+06	1164.08	776.391	3303	57	YBR145W	12
ATVDEFPLCVHLVSNELEQLSSEALEAAR	0.000	5.05E+05	1585.79	1057.53	4501	114.6	YLR075W	9
ATVPVLEQQGTVITR	0.006	1.55E+05	806.457	537.974	2754	48.9	YGR234W	13
AVASSGQELSVEER	0.010	6.73E+05	731.363	487.911	1288	27.3	YDR099W	10
AVDDFLISLDGTANK	0.000	6.07E+06	789.904	526.939	4778	77.5	YGR254W	18
AVDDFLLSLDGTANK	0.000	6.07E+06	789.904	526.939	4778	77.5	YHR174W	18
AVEALNDSELNGEK	0.032	4.94E+04	744.862	496.911	1693	33.5	YER165W	11
AVEESAEPAQVILGEDGKPLSK	0.032	1.04E+05	1134.09	756.397	2883	50.8	YLL018C	10
AVGDNDPIDVLEIGETIAYTGQVK	0.000	6.52E+05	1259.14	839.762	5884	97.1	YBR011C	13
AVGGEVGASAALAPK	0.000	1.45E+06	649.359	433.242	1637	32.7	YDR418W	16
AVGSLTFDENYNLLDTSGVAK	0.000	1.63E+05	1107.55	738.702	2912	75	YNR034W-A	11
AVLEFTPETPSPLIGILENK	0.032	8.25E+04	1084.6	723.4	5728	94	YGR240C	12
AVNELPTKPSTDELLELYALYK	0.000	6.08E+05	1254.17	836.448	5149	83.4	YGR037C	14
AVTASQTTIAEVISNLYDDSK	0.018	2.10E+04	1113.56	742.709	3857	98.4	YCR009C	7
AVVAGAGTGGTISGISK	0.016	1.97E+05	723.402	482.603	1638	32.7	YGR155W	15
AVVESVGAEVDEAR	0.010	2.48E+05	715.86	477.576	1988	37.7	YDR382W	14
AWNLNQFQIEADFIGHNSNINTLTASPDGTLIASAGK	0.000	1.59E+05	1964.98	1310.32	3639	93.1	YMR116C	13
CAADDLDATVVQLTVLTEK	0.016	4.34E+04	1003.01	669.01	4101	104.4	YNL134C	8
CLVNDPNIEIVADLSSDILSR	0.018	1.65E+04	1143.59	762.726	4857	123.7	YOR184W	7
DAGLSTSDISEVLLVGGMSR	0.028	1.89E+04	1004.01	669.674	3456	88.5	YJR045C	10
DAGTIAGLNVLR	0.007	2.42E+05	600.341	400.563	3537	60.2	YAL005C	10
DAQIVVGTPGR	0.034	2.80E+05	556.807	371.54	1391	28.9	YJL138C	9
DASLVDYVQVR	0.000	5.63E+05	632.83	422.223	3377	58.1	YJR123W	10
DASSLTLDQITGLIEVNEK	0.028	1.72E+04	1023.53	682.692	3601	92.1	YGL106W	8
DAVVTVPAYFNDSQR	0.006	2.24E+05	841.413	561.278	3184	55.3	YER103W	10
DESSPYAAMLAAQDVAAK	0.007	4.33E+04	919.435	613.293	3890	65.1	YCR031C	12
DETLDDWFDNDLSLFPSGFGFPR	0.000	3.57E+05	1345.61	897.406	4609	117.3	YBR072W	12

DFDGTGALEFPSEEILVEALER	0.000	3.46E+04	1219.09	813.064	4278	108.9	YDR432W	6
DGEIMLWNLAAK	0.007	4.26E+05	680.85	454.236	4857	78.7	YMR116C	10
DGKPYVFFTIPDGK	0.034	3.10E+05	792.409	528.608	4066	67.4	YGL245W	8
DIEVVAVNDPFISNDYAAYMVK	0.020	5.56E+04	1237.1	825.07	5459	88.9	YJL052W	10
DIFSNDELLSDAYDAK	0.000	4.56E+05	908.418	605.948	4535	74	YKL056C	19
DIGGSSSTTDFTNEIINK	0.007	3.52E+04	949.953	633.637	3315	57.2	YNL037C	12
DINSYTNSTSVINELR	0.007	3.33E+04	913.45	609.302	3685	62.3	YGR061C	10
DIYGWTQTSLDDYPIK	0.000	3.84E+05	957.96	638.976	4160	68.7	YGL253W	11
DLAAATAESAPNAAILVISNPVNSTVPIVAQVLK	0.000	6.21E+04	1679.44	1119.96	4267	108.6	YKL085W	9
DLNKPFLMPVEDIFSISGR	0.032	5.67E+04	1089.57	726.714	5853	96.5	YOR187W	10
DLSEASVYPEYALPK	0.006	3.41E+05	841.42	561.282	3659	61.9	YER131W	13
DLTNLLFETALLTSGFSLEEPTSFASR	0.000	2.81E+04	1480.25	987.169	4500	114.5	YMR186W	6
DNAEGQGESLADQAR	0.026	6.88E+05	780.848	520.901	856	19.8	YFL014W	8
DPANLPWASLNIDIAIDSTGVFK	0.000	5.87E+05	1229.14	819.76	5399	87.8	YJR009C	11
DPANLPWGSSNVDIAIDSTGVFK	0.000	6.70E+05	1202.09	801.732	5399	87.8	YGR192C	17
DPITIVPAEDGSGAGAAVIAALSEK	0.000	2.74E+05	1176.62	784.748	3682	94.1	YFR053C	11
DPMGNNITFSGLANATDSAPTSK	0.000	3.91E+04	1155.04	770.362	3367	86.3	YGR240C	9
DQVVLIQVSSPTANR	0.006	1.31E+05	813.944	542.965	2914	51.3	YDR074W	13
DQYVPEVSALDLSR	0.000	1.73E+06	796.402	531.27	3096	53.9	YDR447C	11
DTLPLGFTFSYPASQNK	0.000	1.83E+05	943.47	629.316	4850	78.6	YFR053C	10
DVAAQDFINAYASFLQR	0.000	1.12E+05	964.979	643.655	5690	93.3	YNL302C	11
DVNNVWIQSVK	0.000	4.47E+05	651.346	434.566	3187	55.3	YAR042W	9
DVPEPITEFTSPPLDGLLLENIK	0.024	3.19E+04	1269.17	846.451	6214	103.8	YOR204W	10
DVQEAGSTEPIVK	0.007	2.87E+05	686.851	458.237	1207	26	YBR121C	10
DVQQIDYK	0.034	2.70E+05	504.753	336.838	1081	23.9	YNL096C	8
DVTFLNDCVGPEVEAAVK	0.000	7.07E+05	953.467	635.98	4500	73.6	YCR012W	11
DYGVLIEEEGVALR	0.000	1.09E+06	781.907	521.607	3653	61.8	YML028W	10
DYRPAEETEAQAEPVEA	0.000	1.75E+06	952.929	635.622	1755	34.4	YNL178W	17
EAQADAAAEIAEDAAEAEDAGKPK	0.021	1.42E+05	1186.05	791.035	3793	63.8	YLR150W	11
EASYVNIPVIALTDLDSPSEFVDVAIPCNNR	0.000	1.24E+05	1681.33	1121.23	4187	106.6	YGR214W	8
EAVESADLILSVGALLSDFNTGSFSYSYK	0.000	1.92E+05	1542.26	1028.51	5861	149.5	YLR044C	16
EELFTSLGGEVFIDFTK	0.000	7.15E+05	966.485	644.659	4107	68	YMR303C	9
EEVTEEQAEATEWAEENADNVEW	0.000	6.80E+04	1354.56	903.375	4399	112	YGR214W	8
EEVTEGQAEATEWAEENADNVEW	0.000	6.80E+04	1318.55	879.368	4399	112	YLR048W	8
EFEEGGGLPEQPLNPDFSK	0.000	8.84E+04	1045.49	697.329	2336	60.2	YER025W	8
EFGTTPEKPEETPLEELAETFQDTFSGALGK	0.000	4.42E+04	1699.81	1133.54	4737	120.6	YPL231W	8
EFQIIDTLLPGLQDEVMNIKPVQK	0.000	4.41E+05	1384.75	923.502	6025	99.8	YGL123W	11
EGGLGPINIPLLADTNHSLSR	0.010	3.17E+05	1087.58	725.39	4208	69.4	YML028W	10
EGIPAGWQGLDNGPESR	0.020	3.85E+04	891.924	594.952	2689	47.9	YCR012W	10
EIGDFEDLSTENEK	0.006	1.07E+05	813.362	542.577	2799	49.6	YLL018C	10
EIHAVLSADANITSNEK	0.040	5.78E+04	906.46	604.643	3297	56.9	YPR033C	9
EKPETLVLFDVDGTLTPAR	0.021	1.62E+05	1051.06	701.044	4438	72.7	YFL045C	10
ELAEEGYSGVEVR	0.010	2.52E+05	719.346	479.9	1963	37.4	YNL178W	11
ELDEIAASLENL	0.007	2.48E+05	658.833	439.558	5477	89.2	YNL079C	13
ELGLTVVTDEAIEQMR	0.000	9.28E+04	902.461	601.977	4960	80.2	YLR359W	10
ELMDEIHQLEDMFTVDSETLR	0.018	6.62E+04	1276.09	851.061	6554	111.7	YFR053C	10
ELMQQIENFEK	0.021	1.47E+05	704.842	470.231	3633	61.5	YGL253W	10
ELPGVAFLSEK	0.000	1.23E+06	595.327	397.22	3541	60.3	YCR012W	8
ELPIEIVALINDTVGTLIASYYTDPETK	0.016	5.83E+04	1539.81	1026.88	5081	129.4	YFR053C	8
ELQFSEIDTVK	0.007	1.73E+05	654.838	436.894	3092	53.9	YPL160W	9
ELSWIDVENWHNLGGSEIGTNR	0.020	5.88E+04	1263.6	842.738	4839	78.5	YGR240C	10
ELYGNIVMSGGTTMFPGIAER	0.000	5.92E+04	1122.05	748.366	3207	82.3	YFL039C	8
EMAFNLLGLLTPEVVELCQK	0.000	5.36E+04	1124.09	749.73	4667	118.8	YPL231W	7
EMIQEVIVEEDLEPFEASK	0.018	3.11E+04	1118.04	745.696	3452	88.4	YPL231W	10
ENDILVLMESER	0.010	6.59E+05	724.358	483.241	4568	74.5	YLR264W	14
ENILIGDSNIIESYQK	0.020	1.24E+05	918.473	612.651	3962	66.1	YDR166C	9
ENSLETTFSSVNTR	0.016	1.82E+05	792.879	528.922	2433	44.2	YDR432W	10

ENTLLGEFDLK	0.000	9.22E+05	639.832	426.891	4437	72.7	YDL229W	10
EQAANLIAAGADGLR	0.010	3.35E+05	735.389	490.595	3098	54	YHR216W	13
EQIYQIFTLLPPTTQVVLLSATMPNDVLEVTTK	0.000	2.85E+04	1852	1235	5868	149.6	YJL138C	6
EQPTCSLITGENWTK	0.020	4.36E+04	853.906	569.607	1484	30.4	YJR073C	10
EQQDNFAIESYQK	0.006	8.43E+04	800.368	533.914	2094	39.3	YPL028W	10
ESGNYLAIDLGGTNLR	0.000	3.98E+05	846.931	564.957	3904	65.3	YFR053C	11
ETAENYLGTTVNDAVVTVPAYFNDSQR	0.000	2.66E+06	1487.71	992.14	3465	59.3	YBL075C	10
ETAPVIDTLAAGYGK	0.000	1.24E+06	753.396	502.6	3368	57.9	YGL103W	13
ETELSLLQSLR	0.007	3.31E+05	644.859	430.242	4317	70.9	YCL040W	10
ETFLAGLIDSDGYVTDEHGIK	0.032	1.14E+05	1140.56	760.706	4923	79.7	YDL185W	10
ETGELEELLEPILAN	0.000	5.18E+05	835.43	557.289	6239	104.4	YCL035C	12
ETITEALNLPEANLSEIPSLQDAIQR	0.000	2.51E+05	1433.25	955.833	5725	93.9	YGR061C	15
ETNPGTDVTVSSVESVLAHL	0.020	1.19E+05	1028.02	685.68	6162	102.7	YLR109W	13
ETSTDPSYDAFLEK	0.006	2.09E+05	801.862	534.911	2929	51.5	YLL050C	10
ETVESESSQTALSK	0.010	5.25E+05	748.36	499.242	913	20.8	YDR385W	15
EVASAALSELALGTK	0.016	1.82E+05	730.404	487.272	3843	64.5	YER110C	13
EVDQVIVVTVDNPFANQAWAK	0.000	5.75E+04	1172.1	781.737	3362	86.2	YLR109W	8
EVIDTILALVK	0.007	1.99E+05	607.374	405.252	5792	95.3	YLR044C	10
EVQGSTLAQLTSK	0.007	1.98E+05	681.367	454.581	2142	40	YLR441C	10
EVQNSTLAQLTSK	0.000	1.07E+06	709.878	473.588	2213	40.9	YML063W	12
EYLNLPEHIVPGTYIQER	0.000	1.25E+06	1086.06	724.376	3923	65.6	YMR230W	11
FADGFLIHSGQPVNDFIDTATR	0.000	1.62E+06	1211.1	807.733	4704	76.4	YNL178W	16
FAIPAINVTSSSTAVAALEAAR	0.010	4.94E+05	1080.59	720.727	5263	85.3	YKL060C	13
FDDMELDENLLR	0.010	5.20E+05	755.348	503.901	4153	68.6	YJL138C	15
FDGILGLGYDTISVDK	0.006	2.34E+05	856.941	571.63	5059	81.9	YPL154C	10
FDVGALMALHGEGSGEEK	0.007	2.80E+05	923.936	616.293	2297	42.2	YLR441C	10
FEDLNAALFK	0.000	3.17E+06	584.306	389.873	3761	63.4	YDL229W	10
FEQASESEPTTVSYEIAGNSPNAER	0.000	6.67E+05	1357.11	905.079	2640	47.2	YJR104C	18
FGDPETQAVLSLLDDQTDLAQVFLAAAEHR	0.016	2.87E+04	1635.82	1090.88	4876	124.2	YGL234W	8
FGSGIELESLPITPGQYITVNTHPIR	0.000	1.41E+05	1420.25	947.171	4975	80.5	YGR234W	16
FINFINNANQSASNK	0.020	3.88E+04	841.418	561.281	2159	40.2	YDL073W	10
FISEVENTDPTQER	0.006	2.78E+05	832.892	555.597	1749	34.3	YKL085W	13
FISTSQSVVEPK	0.007	3.46E+05	661.354	441.238	3517	60	YDR463W	9
FLFENTGLDLYSNLVNMIFPVDSVK	0.000	4.82E+04	1438.23	959.158	5870	149.7	YNL041C	5
FNYVAVGDVSNLPYLDEL	0.000	7.90E+04	1014.5	676.67	3981	101.5	YPR191W	11
FPELGAELAR	0.026	4.16E+05	551.798	368.201	3246	56.2	YPR074C	9
FPGWDFETEEIDPELLR	0.000	6.69E+05	1047	698.334	3641	93.1	YPL131W	14
FQPQDSTTNPSLILAAAK	0.000	1.52E+05	951.502	634.67	3495	59.7	YLR354C	12
FSADIVTLFDLIEK	0.006	9.61E+04	805.937	537.627	6454	109.4	YLR354C	11
FTLEVVDAVVDAIGPEK	0.000	3.42E+05	901.483	601.324	6040	100.1	YHR179W	20
FTNAAFPFHDPEAR	0.020	4.61E+04	810.384	540.592	2504	45.3	YHL030W	10
FTVSAIYSDLPQQER	0.006	3.33E+05	877.441	585.297	2499	45.2	YJL138C	11
FVIGGPQGDAGLTGR	0.010	2.92E+05	722.881	482.256	2748	48.8	YDR502C	10
FVPSKPMCVEAFSEYPPLGR	0.000	1.97E+06	1127.56	752.039	3498	59.7	YBR118W	10
FVQGLLQNAAANAEAK	0.000	1.33E+06	822.939	548.962	3134	54.5	YJL177W	24
FYSTQIEELPSDIATLLN	0.000	3.72E+05	1027.52	685.349	4251	108.2	YJL138C	11
GAAEALENANDISEGLVSESLK	0.018	2.39E+04	1109.05	739.701	3047	78.3	YLR197W	8
GAARPTGGAGTVAMWIGPDAPIVFDSVR	0.000	8.78E+04	1385.21	923.81	5170	83.7	YML126C	10
GAAYVLGAGQVVYFGSVGK	0.007	4.09E+04	921.991	614.996	4390	72	YJR105W	12
GADTNTPLEYLSK	0.010	3.24E+05	704.851	470.237	3178	55.2	YLL026W	12
GAIVGPDLAVLALVIVK	0.000	4.39E+05	824.524	550.018	6509	110.7	YBR181C	20
GASDGGLYVPHSENR	0.000	1.17E+06	779.866	520.246	1176	25.5	YPL131W	8
GATTEEDDALADQLR	0.020	6.15E+04	802.874	535.585	2304	42.3	YER090W	10
GATYGKPTNQGVNELK	0.006	9.79E+04	838.934	559.625	959	21.7	YLR029C	11
GAVEFDPWLKPFADVLSER	0.032	4.92E+04	1088.56	726.041	5733	94.1	YEL011W	11
GDIPGVVAFFGGLVAQEVLK	0.040	5.72E+04	1008.56	672.71	7177	127.4	YKL210W	10
GDIVGVEGYVGR	0.007	3.39E+05	610.817	407.547	2577	46.3	YDR037W	13

GDLGIEIPAPEVLAVQK	0.000	1.21E+07	874.993	583.665	4689	76.2	YAL038W	20
GDLLQEAIDFAQK	0.021	1.37E+05	724.375	483.252	5383	87.5	YOR362C	12
GDTYVSIQGFK	0.000	2.74E+06	607.806	405.54	2777	49.3	YAL038W	13
GDVDLVINYLK	0.007	2.91E+05	624.845	416.899	4497	73.5	YOR374W	10
GDVEEYQYLR	0.007	2.02E+05	636.299	424.535	2227	41.2	YBR126C	10
GEALLVVLVSSVTEANIIK	0.000	1.02E+05	978.075	652.386	6840	118.8	YOR369C	15
GEFHPVLLAETSFPVQK	0.007	3.70E+05	950.004	633.672	3937	65.8	YHR064C	9
GEQELEGLTDTTVPK	0.026	6.28E+05	808.904	539.605	2196	40.7	YBR181C	11
GEYETAISTLNDAVEQGR	0.000	1.28E+05	976.963	651.645	4095	67.8	YOR027W	11
GFALANPSITLVPEEK	0.006	2.70E+05	843.459	562.642	4244	69.9	YML070W	10
GFDEAVADPTFWEDFK	0.000	1.79E+05	937.418	625.281	5295	85.9	YGL026C	14
GFDIPNVEGHDVVPLLQNEISK	0.000	8.05E+05	1210.63	807.42	4854	78.7	YFR053C	12
GFDQSLAQSLDTITSK	0.006	9.09E+04	855.931	570.956	4519	73.8	YKL157W	11
GFDQTLAQALDTIR	0.032	8.02E+04	774.904	516.939	5303	86	YHR047C	11
GFEIGSGFQGVSVPGSK	0.006	1.54E+05	826.918	551.614	3829	64.3	YGL148W	10
GFLSDLPDFEK	0.000	2.51E+06	634.314	423.212	4677	76.1	YLR340W	12
GGGQIIPTMR	0.000	1.08E+06	515.279	343.855	2026	38.3	YDR385W	8
GGIGAVFAELNQGENITK	0.000	1.59E+05	909.473	606.651	4665	75.9	YNL138W	14
GGIPLVFPVFGK	0.007	2.57E+05	615.866	410.913	5392	87.7	YMR099C	12
GGLTYNDFLVLPGLVDFPSSEVSLQTK	0.000	9.96E+04	1448.75	966.171	6320	106.2	YLR432W	10
GGLTYNDFLVLPGLVNFPSSAVSLQTK	0.000	5.79E+04	1419.26	946.508	6305	105.9	YML056C	10
GGTLISYDGQVR	0.000	9.16E+05	633.328	422.554	2137	39.9	YKL035W	11
GHYTEGAELVDSVMDVIR	0.030	7.12E+04	995.981	664.323	5287	85.7	YFL037W	10
GIDIVVNEVSNR	0.000	6.86E+05	657.854	438.905	2917	51.3	YPL106C	11
GIDLTNVTLPDTPTYSK	0.000	1.52E+06	917.975	612.319	3870	64.9	YBR011C	17
GIDVQQVSLVINYDLPANK	0.016	6.90E+04	1043.56	696.044	3076	79.1	YJL138C	9
GIEAAGGSADIYQVEETLSPEVVK	0.000	2.54E+04	1231.62	821.415	3008	77.3	YDR032C	8
GIEQLESAIEK	0.007	1.67E+05	608.825	406.219	3282	56.7	YJR007W	9
GINSSYAVWNDVTGK	0.006	2.57E+05	805.894	537.598	3564	60.6	YLR355C	17
GISNEGQNASIK	0.000	3.52E+06	609.31	406.542	717	17.1	YKL060C	15
GISSSAIPYSR	0.026	5.52E+05	569.299	379.868	1716	33.8	YDR064W	8
GIVPDSSPLNVSSAR	0.016	1.95E+05	749.897	500.267	2873	50.7	YEL020C	10
GIVVEAYSPFGSANAPLLK	0.000	1.16E+05	967.025	645.019	4725	76.7	YDR368W	16
GLGSSGAAVVAGVILGNEVAQLGFSK	0.020	6.22E+04	1201.16	801.108	6319	106.2	YHR025W	15
GLILVGGYGTR	0.000	1.93E+06	553.322	369.217	3056	53.4	YDL055C	9
GLLSATQFTQPALTLMEK	0.000	6.54E+04	975.024	650.352	5270	85.4	YKL182W	12
GLNTGGMGAYAPAPVATPSLLK	0.000	8.63E+04	1043.55	696.038	2596	66.9	YGL234W	8
GLQTVVVEEDA	0.000	9.72E+05	580.296	387.2	2616	46.9	YDL075W	11
GLSVVDTYAILSNK	0.010	2.45E+05	740.406	493.94	4218	69.5	YJL167W	11
GLTPSQIGVLLR	0.000	8.37E+05	627.382	418.591	4132	68.3	YDR064W	11
GLVWEGSVLDPEEGIR	0.006	3.20E+05	878.449	585.969	4594	74.9	YNR001C	11
GMGLLTAIVIDPSK	0.032	3.54E+04	707.902	472.271	5008	81	YLR438W	10
GNEEVEQDEPLSLQTK	0.000	1.11E+05	908.434	605.958	2085	39.2	YGL137W	13
GNPTVEVELTTEK	0.000	1.04E+07	708.864	472.912	2128	39.8	YGR254W	17
GNVGFVFTNEPLTEIK	0.000	3.77E+06	882.962	588.977	4564	74.5	YLR340W	16
GNYPINAVTTMAETAVIAEQAIAYLPNYDDMR	0.000	3.16E+05	1758.34	1172.57	4987	127	YAL038W	12
GNYTDFENTFQK	0.010	3.37E+05	732.326	488.553	2753	48.9	YKL182W	14
GPLVLEYETYR	0.007	2.92E+05	670.348	447.235	3302	57	YER178W	10
GPLVVYAEDNGIVK	0.010	4.39E+05	737.401	491.936	3193	55.4	YBR031W	13
GQCLATLLGHNDWVSQVR	0.000	8.13E+05	999.005	666.339	4207	69.4	YMR116C	12
GQDFAPAFDVAPDWESYEYTK	0.006	1.66E+05	1218.54	812.694	4969	80.4	YKL081W	18
GQDYVPAFDVAPDWESYDYAK	0.000	5.53E+04	1218.54	812.694	3183	81.7	YPL048W	11
GQTPEGEDPLGKPEEELTVIPEFGGADNK	0.000	2.17E+05	1527.23	1018.49	2776	71.5	YCL050C	11
GQTYSPAQIGGFVLNK	0.000	5.15E+05	840.441	560.63	3859	64.7	YJR045C	16
GQVVGSIIALDR	0.007	1.97E+05	614.356	409.907	3242	56.1	YML106W	10
GQVVSEEQRPGTPLFTVK	0.000	2.11E+05	986.529	658.021	3535	60.2	YDR385W	10
GSDPDTTWLIISPNAK	0.006	2.02E+05	857.936	572.293	4119	68.1	YCR088W	15

GSIDEQHPR	0.026	3.87E+05	519.752	346.837	491	12.6	YGR087C	9
GSLEEIIAEGQK	0.000	6.41E+05	637.335	425.226	3157	54.9	YDR382W	12
GSPFQCNIGVGQVIK	0.016	1.96E+05	773.906	516.273	3208	55.6	YNL135C	12
GSSSLYTLVINDAGK	0.000	1.40E+06	762.899	508.935	3928	65.7	YLR325C	13
GTDYDFYEAWGPVFEAEAR	0.000	9.23E+04	1111.99	741.66	3642	93.1	YGR285C	8
GTGLMSANNIIAEGIEK	0.006	1.67E+05	859.443	573.298	3894	65.2	YPL231W	11
GTIADGAPIVPISAQLK	0.006	3.61E+05	825.975	550.986	3639	61.6	YER025W	10
GTIEIVSDVK	0.000	2.62E+06	530.798	354.201	2141	40	YLR340W	12
GTITWIAPAGEYTLDEK	0.000	9.10E+05	932.97	622.316	4150	68.6	YDL185W	15
GTLEGHNGWVTSLATSAGQPNLLLSASR	0.000	7.08E+05	1419.23	946.49	4860	78.8	YMR116C	14
GTQAPNLQER	0.044	2.31E+05	557.286	371.86	766	18.1	YDR226W	9
GVAINFVTNEDVGAMR	0.006	1.24E+05	846.922	564.951	3674	62.2	YJL138C	13
GVETLAEAVAATLGPK	0.010	5.28E+05	763.925	509.619	5558	90.8	YLR259C	18
GVFQGVHDSAEK	0.000	4.40E+05	637.312	425.211	962	21.8	YFL014W	11
GVGVFGNNAQDSGISPSVWR	0.016	3.40E+04	1024	683.005	2646	68.2	YGR264C	8
GVLGYTEDAVVSSDFLGDSHSSIFDASAGIQLSPK	0.018	3.51E+04	1785.37	1190.58	5972	151.8	YGR192C	11
GVLGYTEDAVVSSDFLGDSNSSIFDAAAGIQLSPK	0.018	2.80E+04	1765.86	1177.58	4642	118.2	YJR009C	7
GVLGYTEDAVVSSDFLGDTHASIFDASAGIQLSPK	0.018	3.51E+04	1784.38	1189.92	5972	151.8	YJL052W	11
GVLLAADLGGTHFR	0.016	2.09E+05	713.894	476.265	3888	65.1	YDR516C	10
GVLLAADLGGTNFR	0.010	5.16E+05	702.386	468.593	3883	65.1	YCL040W	16
GVMNAVNNVNNVIAAAFVK	0.000	1.41E+06	973.02	649.016	5515	89.9	YHR174W	21
GVNLPGTDVDLPALSEK	0.000	3.58E+06	862.957	575.64	4184	69.1	YAL038W	22
GVPQIEVTFDVDSNGILNVSAVEK	0.000	3.89E+04	1265.66	844.106	5863	149.5	YAL005C	6
GVVDSEDLPLNLSR	0.000	2.78E+06	757.396	505.267	3513	59.9	YMR186W	16
GVVIEGYPTIVLYPGGK	0.006	2.28E+05	881.493	587.998	4529	74	YCL043C	13
GWLSEGGTLIGTAR	0.010	7.00E+05	709.375	473.253	3848	64.6	YGR240C	16
GYDAGENTYQAPPADR	0.006	1.22E+05	862.879	575.589	1159	25.2	YLR304C	11
GYKPVAVPAR	0.022	7.48E+05	529.311	353.21	861	19.9	YLR044C	8
GYLADDIDADSLEDIYTSAHEAIR	0.000	1.24E+06	1327.12	885.08	5094	82.4	YPL131W	19
GYLVAMTGDGVNDAPSLK	0.007	3.18E+04	904.448	603.301	3425	58.7	YGL008C	11
GYPIQFLTIGAGVPSLEVASEYIETLGLK	0.028	2.55E+04	1533.33	1022.55	4916	125.2	YKL182W	10
GYQFAAALEGALK	0.030	6.61E+04	669.856	446.907	4607	75.1	YKL104C	9
GYWGTNLGQPHSLATK	0.034	2.64E+05	865.436	577.293	2481	44.9	YGL123W	8
HCGWLALMAGIATGADYIFIPER	0.006	1.62E+05	1253.12	835.752	4149	68.6	YGR240C	11
HELSSLADVYINDAFGTAHR	0.000	1.46E+06	1108.54	739.363	4318	70.9	YCR012W	19
HGIPLISIEELAQYLK	0.045	3.25E+04	912.517	608.68	5927	98	YDR487C	9
HGYIGEFEYIDDHR	0.022	7.05E+05	875.895	584.266	2666	47.5	YJL190C	11
HIDASGSINR	0.000	9.24E+05	535.273	357.184	571	14.2	YNL302C	9
HITINDLPVGR	0.000	8.76E+05	617.849	412.235	2272	41.8	YML028W	9
HLEDNTLLISGPFK	0.026	5.84E+05	792.425	528.619	3536	60.2	YML073C	10
HLEDNTLLVTGPFK	0.026	5.98E+05	792.425	528.619	3306	57.1	YLR448W	8
HLEGISDADIAK	0.000	3.74E+06	634.828	423.554	1492	30.5	YKL152C	15
HLGSLFSDAVQTASVQWFER	0.032	1.25E+05	1139.57	760.047	5483	89.3	YLR359W	12
HLNICGTVGSIDNDMSTTDATIGAYSALDR	0.016	5.27E+04	1556.22	1037.82	3026	77.8	YMR205C	8
HNLEFINILTDDGLLNEECGPEWQGMK	0.016	2.92E+04	1558.23	1039.15	3746	95.7	YGR094W	9
HQEELWSFIADSLK	0.020	4.00E+04	851.925	568.286	5474	89.2	YFR053C	12
HSEFVAYPIQLLVTK	0.006	9.58E+04	872.985	582.326	4704	76.4	YMR186W	10
HSEFVAYPIQLVVTK	0.000	9.71E+05	865.977	577.654	4701	76.4	YPL240C	8
HSGNIQLDEIIEIAR	0.006	8.18E+04	854.455	569.972	4259	70.1	YDR418W	12
HSTTAIQGSISDSATTTPR	0.014	1.51E+05	965.977	644.32	2672	47.6	YBL101C	9
HTLDIINVLTDQNPIQVVVDAITNTGPR	0.000	1.61E+05	1528.82	1019.55	4996	127.2	YJR123W	16
HVEITDDEIAK	0.007	2.45E+05	635.32	423.882	1187	25.7	YLR359W	11
HVLTILTDMSSYADALR	0.020	1.42E+05	953.491	635.996	5227	84.7	YBR127C	12
HVSPAGAAVGIPLSDVEK	0.026	5.99E+05	873.973	582.984	2661	47.5	YMR120C	12
HVVFGEVVDGYDIVK	0.000	1.05E+06	838.438	559.295	3609	61.2	YDR155C	20
IAAQTLEEDE	0.000	8.14E+05	559.764	373.512	1701	33.6	YNL302C	10
IADQATENVADISNLK	0.020	6.10E+04	851.436	567.96	2694	48	YER070W	11

IAEFPEEGIDPSTYLNN	0.000	1.92E+05	954.947	636.967	4650	75.7	YDL084W	13
IAEGSDPSLLLDQR	0.010	4.51E+05	757.396	505.267	2873	50.7	YHR019C	12
IAILAAISAMVDAAK	0.032	9.73E+04	729.423	486.618	6553	111.7	YLR249W	19
IALSRPNVEVVALNDPFITNDYAAYMFK	0.000	1.75E+05	1586.31	1057.88	3491	89.4	YGR192C	9
IASTWEGIQAAK	0.007	1.80E+05	637.841	425.563	2282	42	YLR354C	9
IDGALILAYAELNK	0.032	9.11E+04	752.424	501.952	5108	82.7	YGL206C	11
IDGYSGPELGELMEK	0.006	1.65E+05	819.39	546.596	3914	65.5	YBR121C	11
IDIDVLAPLSSFAATAHK	0.007	1.67E+05	935.009	623.675	5327	86.5	YLR359W	13
IDNLAAVFDAR	0.000	8.52E+05	602.82	402.216	3887	65.1	YKL081W	9
IDTVVLDALQLLK	0.032	9.47E+04	720.937	480.961	6088	101.1	YNL138W	13
IDVAVDSTGVFK	0.000	3.51E+06	625.835	417.559	2972	52.1	YJL052W	13
IEAALSDALAALQIEDPSADELR	0.000	9.49E+05	1206.12	804.415	5839	96.2	YDL229W	14
IEALEFADDAAK	0.000	5.00E+05	646.822	431.55	3027	52.9	YPL160W	9
IEDDPFENLEDTDDIFQK	0.021	1.47E+05	1091.99	728.327	5038	81.5	YFR053C	14
IEDVIDELIPK	0.030	6.80E+04	642.358	428.575	4952	80.1	YER007C-A	9
IEDVTPVPSDSTR	0.000	2.08E+06	708.354	472.572	1378	28.7	YCR031C	15
IEEDPFENLEDTDDLFQNEFGINTTVQER	0.000	1.74E+05	1729.28	1153.19	3882	99	YGL253W	14
IEEVIDLILR	0.007	3.08E+05	606.864	404.911	5287	85.7	YHR087W	12
IEGVATPQDAQFYLGK	0.000	1.70E+06	868.946	579.633	3434	58.8	YPL143W	17
IEGVATPQEAQFYLGK	0.000	5.31E+05	875.954	584.305	3504	59.8	YOR234C	11
IEIDSFVDGIDLSETLTR	0.016	3.67E+04	1012.02	675.013	3631	92.9	YJL034W	8
IENQQGVNNFDEILK	0.000	3.94E+06	880.944	587.632	3394	58.3	YAL038W	16
IEQELGTEIAAIPATIDK	0.000	9.08E+04	956.517	638.014	4345	71.3	YDL160C	10
IETGNFSWASEGISK	0.000	1.70E+06	813.394	542.598	3324	57.3	YBL072C	20
IEVLEQELVR	0.007	2.41E+05	614.351	409.903	3162	54.9	YGR086C	9
IEVSSQESWGN	0.000	4.66E+05	618.281	412.523	2147	40.1	YBR072W	11
IFVLAEENLPSLGYK	0.006	1.33E+05	846.964	564.978	4764	77.3	YGR185C	13
IGAHDDIINGDSTFK	0.006	8.93E+04	801.892	534.93	2004	38	YCR092C	10
IGDIIQFER	0.026	4.17E+05	545.798	364.201	3111	54.2	YGL245W	8
IGGIGTVPVGR	0.000	1.87E+07	513.309	342.542	1951	37.2	YBR118W	12
IGGLLKPSELDD	0.020	1.13E+05	628.84	419.563	2812	49.8	YGR218W	11
IGPDVVIGPNVTIGDGVR	0.006	1.33E+05	889.494	593.332	3884	65.1	YDL055C	10
IGSEVYHNLK	0.022	7.41E+05	580.309	387.208	1056	23.4	YGR254W	8
IGTINEEDILANQPLLLQSIQDR	0.000	4.52E+04	1297.2	865.133	3223	82.7	YKR048C	8
IGTQEDIFPFLGGAGPYFSFPGDYGISR	0.016	5.94E+04	1504.73	1003.49	4251	108.2	YBR092C	8
IGVADAINELLEPIR	0.047	2.26E+04	811.959	541.642	6109	101.5	YGR185C	11
IHLEGSEAPQEPK	0.032	7.30E+04	717.865	478.912	1018	22.7	YGL245W	10
IHQYLFQEGVVVAK	0.020	4.96E+04	815.951	544.303	2874	50.7	YMR230W	10
IIAAIPNPEDVVAISSR	0.000	1.50E+06	882.996	589	4034	67	YGR214W	14
IIDDDVPTILQGAK	0.010	7.30E+05	749.412	499.943	3563	60.6	YLL026W	12
IIDFGLSNIYDSR	0.021	1.67E+05	756.888	504.928	4588	74.8	YDR122W	10
IIEILQGLNETSTNAYR	0.000	7.18E+04	968.013	645.678	4395	72	YKL080W	16
IIFGTQSDAFQEDR	0.006	7.79E+04	813.892	542.93	3049	53.2	YLR027C	10
IIGIATTFDLDFLK	0.016	2.17E+05	783.943	522.964	5468	89.1	YER062C	10
IINEPTAAAIAYGLDK	0.000	1.28E+06	830.451	553.97	3809	64.1	YAL005C	16
IINEPTAAAIAYGLGAGK	0.000	2.35E+06	865.478	577.321	4129	68.3	YDL229W	21
IINSSEIQSAIRPAGQATQK	0.016	2.12E+05	1056.57	704.718	2423	44.1	YBR031W	18
IIVDAYGGASSVGGGAFSGK	0.000	2.30E+05	906.96	604.976	3035	53	YDR502C	23
IIVHTDTEPLINAAFLK	0.007	3.22E+05	948.035	632.359	4152	68.6	YGR234W	10
IIYVDDGVLSFQVLEVVDDK	0.000	3.15E+05	1133.6	756.067	5857	149.4	YAL038W	15
ILATLQGLEAVNAVLESTPDTPSPLIAVNENK	0.000	8.18E+04	1659.4	1106.6	4102	104.5	YMR205C	14
ILDSALVTAAQLAK	0.010	4.99E+05	707.419	471.949	4043	67.1	YLL026W	16
ILEDLVFPTEIVGK	0.000	9.83E+05	786.948	524.968	5128	83	YOR096W	11
ILEQFEYVLYPSK	0.006	1.58E+05	814.932	543.624	4709	76.5	YPL231W	12
ILGYDPLASPALLQVQIPATPTSLETAK	0.000	1.53E+05	1454.31	969.874	5695	93.4	YBR249C	13
ILLPFLEQSLSQGIQDQAVYNALAK	0.007	4.25E+04	1380.25	920.504	6300	105.8	YGL206C	10
ILNHMIETGAEYIMELTDK	0.016	2.01E+05	1111.05	741.034	5838	96.2	YKL035W	17

ILPEPTEGFAADDEPTTPAELVGK	0.006	9.33E+04	1249.12	833.083	4109	68	YKL182W	10
ILSQAPSELELQVAK	0.000	8.15E+05	813.459	542.642	3174	55.1	YNL096C	18
ILSQAPTELELQVAQAFVELENSSPELK	0.000	4.57E+05	1542.31	1028.54	4546	115.7	YOR096W	15
ILYEALDANSDFYNVPVDPK	0.018	1.90E+04	1142.06	761.711	2877	74.1	YOR184W	9
INAGLYILNPEVIDLIEMKPTSIEK	0.000	8.56E+04	1407.27	938.517	6075	100.8	YDL055C	12
INEIEESIASGDLSLVQEK	0.000	9.29E+04	1037.53	692.023	2921	75.2	YOR198C	9
INELLSSLEGK	0.007	3.12E+05	601.835	401.559	3527	60.1	YDR382W	9
INELTLLVQK	0.000	2.27E+06	585.858	390.908	3576	60.8	YNL178W	12
IPDDLLDDENVTSDDLFGFLAR	0.020	5.40E+04	1240.6	827.399	6219	103.9	YCL040W	10
IPEIPLVVSTDLESIQK	0.000	1.47E+06	941.033	627.691	5420	88.2	YBR031W	20
IPNFESGLLHLIFEAGLLYQSLGYK	0.000	1.19E+05	1411.76	941.509	3470	59.3	YNL126W	10
IQEPVFLVEIQCPEQAVGGIYSVLNK	0.000	7.18E+05	1437.26	958.509	6300	105.8	YDR385W	18
IQIVGADPFGSILAQPENLNK	0.000	4.86E+04	1112.6	742.071	3302	84.7	YGR155W	10
ISDDILSVLDSHLIPSATTGESK	0.000	1.18E+06	1199.62	800.083	5419	88.2	YDR099W	18
ISGVEVESPTSFPVQSLIPKPLESVK	0.000	8.33E+04	1384.26	923.176	5090	82.4	YJR139C	10
ISHVSTGGGASLELLEGK	0.006	8.50E+04	877.968	585.648	2719	48.4	YCR012W	11
ITDEEASYK	0.000	1.18E+06	528.248	352.501	701	16.8	YHR203C	8
ITEKPELINDILLECGFPNTSGQKPNEYNY	0.018	2.59E+04	1720.34	1147.23	3262	83.7	YCL050C	9
ITTIEEIFLHSLPVK	0.006	1.60E+05	870.501	580.67	5449	88.7	YGL123W	11
IVAVTGTEAFEAQR	0.032	7.97E+04	746.394	497.932	2428	44.1	YOR335C	10
IVDLEQSSEFASLFPLK	0.000	4.75E+05	962.009	641.675	5615	91.8	YKL081W	19
IVDMVSYGIWEPEVIK	0.007	3.94E+04	939.49	626.662	5125	83	YJL014W	10
IVDTNGAGDAFAGGFMAGLTK	0.000	8.10E+04	1006.99	671.663	3111	79.9	YJR105W	11
IVEQLADYLIGVQY	0.000	2.13E+06	812.435	541.959	5839	96.2	YOR122C	18
IVFELYNDIVPK	0.032	9.86E+04	725.403	483.938	4878	79	YLR216C	10
IVGIATTFDLDFLK	0.016	2.03E+05	776.935	518.292	5463	89	YIL053W	11
IVGIVSGELNNAAAK	0.016	2.04E+05	728.412	485.944	2588	46.4	YDR023W	11
IVNDVTAAGVSYGIFK	0.043	2.58E+04	827.446	551.966	4159	68.7	YPL106C	10
IVNEEFDQLEEDTPVYK	0.016	3.66E+04	1034.49	689.997	2541	65.5	YLR200W	10
IVNEPTAAAIAYGLDK	0.000	1.22E+06	823.443	549.298	3809	64.1	YJL034W	13
IVPAEDGSGAGAAVIAALAQK	0.000	3.67E+05	955.023	637.018	4430	72.5	YGL253W	24
IVSTEGNVPQTLAPVPYETFI	0.021	1.57E+05	1138.1	759.067	5533	90.3	YBR191W	11
IVTEAVEIEQR	0.007	4.20E+05	643.851	429.57	1852	35.8	YJL026W	9
IVVEYIAAIGADLIDER	0.000	8.25E+04	930.509	620.675	6275	105.2	YLR249W	14
IWCFGPDGNGPNLVIDQTK	0.016	5.58E+04	1037.51	692.007	2936	75.6	YDR385W	9
IYASFNDTFVHVTDLSGK	0.007	2.18E+05	1007.5	672.002	3757	63.3	YCR031C	9
IYPTYDFCVPIVDAIEGVTHALR	0.020	5.75E+04	1296.66	864.777	6669	114.5	YGL245W	10
IYTISETPEALPILLEDASR	0.021	1.39E+05	1116.09	744.398	5683	93.1	YLL018C	11
LAFYQVTPEEDEEEDEE	0.000	1.24E+06	1036.43	691.288	2506	64.6	YLR061W	15
LALTTAEYLAYQTER	0.006	2.28E+05	871.952	581.637	2964	52	YBR127C	11
LATGANIVGNALIDPTAK	0.006	2.85E+05	869.989	580.328	3604	61.2	YDL055C	12
LDDATEDVFNK	0.007	2.49E+05	633.796	422.866	2007	38	YGL245W	10
LDEVVVITK	0.026	3.63E+05	508.305	339.206	2146	40	YER091C	8
LDGLSVQELMDSK	0.016	1.98E+05	717.861	478.91	4093	67.8	YLR432W	10
LDLFPEDLNILGK	0.010	2.93E+05	743.911	496.277	5528	90.2	YNL220W	13
LDPNISNNLGIFYTGK	0.020	3.90E+04	883.46	589.309	5914	97.7	YLR260W	10
LDQLIYVPLPDENAR	0.006	3.71E+05	878.467	585.981	4434	72.6	YDL126C	12
LDQVWGSETVASSK	0.000	1.89E+06	753.875	502.919	2243	41.4	YBR031W	15
LDVDEVSDVAQK	0.007	2.79E+05	659.33	439.889	2137	39.9	YGR209C	11
LEAEEIPSEDQNEFLLER	0.016	4.05E+04	1081.02	721.015	4291	109.2	YPL231W	8
LEDLSPSTHNMEVPVVK	0.007	1.68E+05	947.983	632.324	2422	44.1	YEL034W	9
LEDPSGQQPIWGR	0.032	1.21E+05	741.87	494.916	2478	44.9	YAL035W	11
LESYVASIEQTVTDPVLSSK	0.000	2.31E+05	1083.56	722.711	3216	82.5	YDL229W	11
LEVGTETLIDK	0.007	2.88E+05	609.335	406.559	2542	45.8	YML126C	9
LEVPGYVDIVK	0.000	1.87E+06	616.35	411.236	3707	62.6	YNL302C	11
LFPTGGPFGGNDVTTIFGK	0.007	4.04E+04	962.994	642.332	3975	66.3	YGR270W	10
LGDTLYEEFGISK	0.021	1.73E+05	736.369	491.249	4088	67.7	YGL202W	10

LGEMPADQGFPAYLGAK	0.006	1.54E+05	882.935	588.959	3849	64.6	YDL185W	11
LGFTFSYPVDQTSLNSGTLIR	0.018	3.08E+04	1158.6	772.734	3287	84.3	YCL040W	7
LGGEVFIDFTK	0.000	3.42E+06	613.327	409.22	4062	67.4	YMR083W	12
LGGIPLGVIGVETR	0.007	2.11E+05	690.914	460.945	3692	62.4	YNR016C	9
LGSADLVEEIDSDGSK	0.006	9.62E+04	817.891	545.597	3389	58.2	YDL143W	10
LGSLVGQDSGYVGGLPK	0.006	9.17E+04	823.941	549.63	3124	54.4	YKR048C	13
LGYSVYEDAQYIGHAFK	0.007	1.74E+05	980.976	654.32	4382	71.8	YNR034W-A	11
LHDIPDEFLTDAMPIAK	0.007	1.79E+05	963.488	642.661	4552	74.3	YDL125C	10
LIDLTQFPAFVTPMGK	0.000	1.20E+07	889.481	593.323	5234	84.8	YLR044C	12
LIEAFNEIAEDSEQFEK	0.000	2.47E+05	1006.48	671.321	3126	80.3	YPL240C	13
LIEFGFTDEMIAMPISALSGGWK	0.006	9.45E+04	1257.13	838.42	6679	114.7	YLR249W	11
LIEPYVAYGYPSYSTIR	0.000	1.64E+06	996.509	664.675	3605	61.2	YGL076C	10
LIESSNLEMEIIPNQK	0.000	1.92E+05	929.485	619.992	3730	63	YKL035W	12
LISDYDADELAEALQPVIVNTPHLK	0.000	2.12E+05	1382.72	922.152	5525	90.1	YHR064C	16
LLDAVDEYIPTPER	0.006	2.26E+05	815.92	544.282	3994	66.5	YOR187W	11
LLEPAYDGASVEQQ	0.016	1.82E+05	760.367	507.247	2588	46.4	YHR025W	11
LLGAQHLIEAGVDALIVCGGDGSLTGADLFR	0.016	3.98E+04	1541.31	1027.87	4171	106.2	YMR205C	9
LLPWFDGMLEADEAYFK	0.016	4.43E+04	1022.99	682.329	4361	111	YKL060C	9
LLQENDTTLVK	0.007	1.90E+05	637.354	425.238	1812	35.2	YKL182W	10
LLQLAGVEDVYTQSNGK	0.000	9.80E+04	917.981	612.323	3790	63.8	YGL123W	10
LLTLTNAANVPVENIWADIFAK	0.006	3.40E+05	1207.16	805.109	6539	111.3	YDL081C	16
LLYETALLTSGFSLDEPTSFASR	0.000	4.58E+04	1259.64	840.095	3673	93.9	YPL240C	9
LNDAVEYVSGR	0.000	2.10E+06	611.807	408.207	1857	35.9	YFL014W	11
LNDIEDVEK	0.026	3.41E+05	537.769	358.849	1321	27.8	YBR011C	8
LNIGIVHVGAPSAALNAATR	0.007	2.13E+05	973.053	649.037	3732	63	YGR240C	10
LNILTQEDNTVMVSQIAENNTTK	0.006	1.81E+05	1288.65	859.434	3804	64	YDR484W	10
LNNVFVIGEQGKPYISLPK	0.010	3.05E+05	1058.59	706.065	4213	69.5	YHR203C	14
LNNVSLSSDAFFPFPDNVYR	0.000	7.94E+04	1151.56	768.043	3492	89.4	YLR028C	7
LNPEYTISAYSDNAAVLDSENDAFFFAPNSTTK	0.000	1.99E+04	1806.84	1204.89	3543	90.7	YGR061C	7
LNYNTVSGVNGPLVILEK	0.007	5.11E+04	965.536	644.026	4535	74	YBR127C	11
LPLSVINVSAQR	0.000	1.47E+06	648.885	432.926	3197	55.5	YDR447C	11
LPLVGGHEGAGVVVGMGENVK	0.000	1.80E+06	1010.04	673.695	3152	54.8	YMR303C	14
LPTESVPEPK	0.026	6.80E+05	548.798	366.201	1386	28.8	YMR242C	10
LQDVLDGFINK	0.007	1.78E+05	631.343	421.231	4047	67.2	YPR041W	9
LSAEEVDFVEIIGGTTR	0.000	2.97E+05	918.473	612.651	5260	85.3	YPL106C	17
LSEVVELFEVFTPQDGR	0.000	6.96E+04	983.002	655.67	6095	101.2	YHR087W	11
LSNASNSPGMLANSSTATSASANER	0.020	5.36E+04	1219.56	813.379	1499	30.6	YDR472W	10
LSQSLETLDSQLNLR	0.006	3.72E+05	858.96	572.976	3409	58.5	YGL245W	13
LSQVNCNTVFGLPGDFNLSLLDK	0.000	4.23E+06	1247.64	832.093	5784	95.1	YLR134W	11
LSQYVQEMALGGPITK	0.006	1.58E+05	867.958	578.975	2979	52.2	YPL231W	12
LSSESVIEQIVK	0.000	1.62E+06	666.374	444.585	3967	66.2	YDR064W	13
LSVDSMTTLLEVENDPTQLR	0.018	3.25E+04	1131.07	754.383	3277	84	YNR016C	7
LTADYDALDIANR	0.000	8.67E+05	725.862	484.244	3113	54.2	YOL127W	13
LTDDSSPIPYPEQPPIK	0.000	9.66E+04	948.983	632.991	3055	53.3	YER090W	10
LTNVSLSSDAFFPFPDNVYR	0.000	8.70E+04	1145.06	763.711	3492	89.4	YMR120C	8
LTSLNVVAGSDLR	0.000	2.51E+06	672.878	448.921	2217	41	YAL038W	10
LTTNLEYTLPESVEILGPQNK	0.000	1.00E+05	1180.12	787.085	3107	79.8	YHR064C	8
LVADGVFYAELNEFFTR	0.030	7.76E+04	995.999	664.335	6292	105.6	YNL178W	13
LVEDPQVIAPFLGK	0.000	2.28E+06	763.435	509.292	4453	72.9	YLR249W	16
LVTDLSVQQPEVLGEGVDVNEDLIK	0.000	6.61E+04	1355.21	903.811	4750	77.1	YKL210W	14
LWDVATGETYQR	0.000	1.98E+06	719.852	480.237	2678	47.7	YMR116C	14
LWTEFNEDAEPVTTDAIILATGASAK	0.000	1.69E+05	1382.19	921.796	5605	91.6	YDR353W	13
LYGTDDNTQEVEAVTNK	0.007	2.73E+04	948.945	632.966	2020	38.2	YJR014W	10
LYQAGGAPGGAAGGAPGGFPGGAPPAPEAEGPTVEEVD	0.000	2.51E+05	1688.29	1125.86	2457	63.4	YAL005C	14
MAEGVFQGAIGIDLGTTYSCVATYESSVEIIANEQGNR	0.000	4.82E+04	1997.45	1331.97	5099	129.9	YDL229W	8
MATLEELDAQTLPGDDELDQEILNLSTQELQTR	0.000	4.28E+04	1865.4	1243.94	4388	111.7	YOR117W	7

MFILDEADEMLSSGFK	0.000	1.30E+05	916.926	611.62	6075	100.8	YJL138C	15
MGTTGVQSSVASDLDELISR	0.016	6.10E+04	1033.51	689.341	3341	85.6	YGL026C	8
MIEIMLPVFDAPQNLVEQAK	0.000	2.34E+06	1143.6	762.734	5163	83.6	YLR044C	10
MIPGAKPLQVGDVVSTTAVIESVVNQPTGK	0.028	2.79E+04	1518.33	1012.55	3316	85	YKL182W	8
MPELIPVLSESMWDTK	0.030	7.42E+04	938.465	625.979	5872	96.9	YNL014W	9
MPELIPVLSETMWDTK	0.025	9.84E+04	945.473	630.651	5872	96.9	YLR249W	13
MSANISETTAMITDIANAPAEIDR	0.000	8.86E+05	1268.11	845.74	5589	91.3	YLR134W	12
MSANISETTAMITDIATAPAEIDR	0.000	1.80E+06	1261.61	841.409	4649	75.7	YLR044C	10
MSLPATFDLTPEDAQLLLAANTHLGAR	0.000	5.92E+05	1433.74	956.164	6035	100	YGR214W	11
MSNPFDLLGNDVEDADVVVLPPK	0.000	2.07E+04	1242.62	828.749	4078	103.9	YLR150W	6
MSPEQALLSLHADYIGGDTANYK	0.000	3.66E+04	1247.6	832.069	3413	87.4	YGR032W	6
MSQVYFDVEADGQPIGR	0.000	2.13E+06	956.449	637.968	4215	69.5	YDR155C	11
MSTATTTVTTSDQASHPTK	0.000	1.03E+05	982.965	655.646	815	19	YLR244C	11
MSTFNAETADNLEDIEK	0.000	9.32E+04	964.433	643.291	3805	64	YPL225W	10
NAAWLVFANK	0.026	5.93E+05	567.309	378.542	3956	66	YDL192W	11
NAESLSVLDIENEIVR	0.000	1.13E+05	900.971	600.983	5050	81.7	YDR148C	15
NAFEGVLDWLK	0.007	2.11E+05	646.338	431.228	5747	94.4	YPL160W	12
NAPAIIFIDEIDSIAPK	0.000	1.82E+05	913.999	609.668	6190	103.3	YDL126C	14
NASNNPNELAASGAALQAR	0.000	2.77E+05	934.964	623.645	2000	37.9	YHR064C	16
NATFPGVQMK	0.000	3.00E+06	546.779	364.855	2141	40	YLR044C	9
NAVVTVPAYFNDSQR	0.006	2.39E+05	840.921	560.95	3184	55.3	YJR045C	11
NCTPKPTSTTETVAASAVAAVFEQK	0.000	2.21E+06	1276.14	851.095	4514	73.8	YAL038W	11
NDAIINQSTFK	0.007	3.80E+05	625.822	417.551	2027	38.3	YLR028C	10
NDLAITGAPDNAYAK	0.032	4.56E+04	767.381	511.923	1348	28.2	YDR301W	11
NDPTLYESIISLLK	0.020	4.31E+04	803.44	535.963	6354	107	YNL287W	11
NDPTWQGPILAPGLINR	0.000	2.79E+05	931.5	621.335	4470	73.1	YNL117W	10
NDVDVIANPDGER	0.010	3.51E+05	707.334	471.892	1608	32.2	YHR064C	13
NEFSGALSGLTR	0.000	6.12E+05	626.32	417.882	3257	56.3	YIL078W	9
NEGVTVPIILMGYYNPILNYGEER	0.007	2.89E+04	1377.69	918.798	6285	105.4	YGL026C	10
NFEVLFLTDPIDEYAFTQLK	0.006	2.34E+05	1202.11	801.742	6419	108.6	YMR186W	16
NFGIGQAVQPK	0.000	1.93E+06	579.817	386.88	1996	37.9	YHL033C	10
NFLETVELQVGLK	0.010	5.99E+05	745.417	497.28	5433	88.4	YGL135W	15
NFNDPEVQADMK	0.000	1.44E+06	704.314	469.878	1798	35	YAL005C	12
NFTPEQISSMVLGK	0.000	2.89E+06	775.898	517.601	4783	77.6	YAL005C	15
NGFILDGFPR	0.000	9.21E+05	568.298	379.201	4816	78.1	YDR226W	8
NILAESNSSLDNIVK	0.000	6.17E+05	808.928	539.621	3479	59.5	YIL051C	18
NINSETTDEQFQELFAK	0.000	1.19E+05	1007.47	671.985	2786	71.8	YER165W	10
NIPIEVVALINDTTGTLVASYYTDPETK	0.000	3.42E+05	1519.28	1013.19	4746	120.9	YGL253W	16
NISGASDETLHELGVPITPIAFDYPTVVK	0.016	6.53E+04	1542.3	1028.54	3426	87.8	YOR184W	8
NIYYITGESLK	0.000	3.16E+06	650.843	434.231	2947	51.8	YMR186W	11
NLAGVDYLTISPALLDK	0.000	6.99E+05	901.999	601.668	5105	82.6	YLR354C	20
NLATLLLTDYIQK	0.010	2.35E+05	753.432	502.624	5643	92.4	YDR071C	16
NLEILDLQDNTFTK	0.006	1.64E+05	832.431	555.289	4524	73.9	YMR235C	13
NLFTGWVDVK	0.000	9.10E+06	589.814	393.545	4631	75.4	YKL152C	11
NLFTVEDAIK	0.026	4.40E+05	575.311	383.877	3606	61.2	YLR355C	8
NLIAATAIAIVGFVQAVIGVYGEGQFI	0.000	1.91E+05	1367.76	912.177	4015	66.7	YLR356W	10
NLPDMIEELDLHED	0.006	1.78E+05	841.883	561.591	5039	81.5	YDL022W	14
NLQYYDISAK	0.007	4.07E+05	607.806	405.54	2247	41.5	YLR293C	9
NLSIVGLVGSIDNDMSGTDSTIGAYSALER	0.016	4.07E+04	1528.25	1019.17	3391	86.9	YGR240C	9
NLTEQAIIDLTVATIAIK	0.000	1.13E+05	964.059	643.042	6415	108.5	YMR120C	13
NLVNDEIIAALIELAK	0.020	6.00E+04	870.001	580.336	6849	119	YBR196C	12
NMITGTSQADCAILIIAGGVGEFEAGISK	0.000	4.25E+05	1433.72	956.149	6700	115.2	YBR118W	18
NNLNTENPLWDAIVGLGFLK	0.032	4.70E+04	1114.59	743.395	6973	122.2	YDL185W	11
NNLWDDDVLAR	0.000	4.28E+05	665.823	444.218	3647	61.8	YGR155W	9
NNYDGDTVTFSPTGR	0.020	5.93E+04	822.368	548.581	2124	39.7	YMR314W	10
NPEEVEQVAEEAAAAEEGEEEEVK	0.000	8.31E+04	1308.08	872.387	4399	112	YLR048W	9
NPHDIIEGINAGEIEIPEN	0.016	7.22E+04	1037.51	692.008	2791	71.9	YDR418W	10

NPLFSYVEPVLVASAK	0.006	2.41E+05	867.477	578.654	5269	85.4	YDL075W	11
NPSDITQEEYNAFYK	0.000	1.26E+06	909.913	606.944	3125	54.4	YMR186W	16
NQAAMNPSNTVFDAK	0.000	1.85E+06	804.378	536.588	2084	39.2	YAL005C	17
NQDLEQQLEDSEAK	0.020	3.70E+04	823.879	549.588	2359	43.1	YIL138C	10
NQEIFDANVQR	0.000	3.15E+06	667.328	445.221	1862	35.9	YDL082W	12
NQILVSGEIPSTLNEESK	0.000	1.26E+05	979.507	653.341	3210	55.6	YBR072W	14
NQLESIAYSLK	0.000	3.97E+06	633.34	422.563	3437	58.9	YAL005C	12
NQQIVAGKPLYVAIAQR	0.007	2.08E+05	935.039	623.695	2802	49.6	YER165W	10
NQQLEEDLEESDTK	0.006	1.13E+05	839.376	559.92	1889	36.3	YNL079C	10
NSNPENTVGLISGAGANPR	0.007	5.01E+04	934.466	623.313	2425	44.1	YHR200W	10
NSSCYFLGDATNDSLQR	0.000	1.54E+05	945.918	630.948	3000	52.5	YIL078W	10
NTAAWHPVIENLVGTVDDDSLVSIYKPYTEESE	0.000	2.41E+05	1846.39	1231.26	3663	93.6	YOR230W	9
NTTRPDFIFYSDR	0.034	2.73E+05	816.394	544.599	2941	51.7	YHR128W	8
NTWGSQLVDQIMDQVVTK	0.028	2.33E+04	1031.52	688.014	3996	101.9	YGL037C	8
NVAAIILEPIQGEAGIVVPPADYFPK	0.000	1.91E+05	1361.25	907.834	5915	97.7	YLR438W	13
NVAFLYDMVDAEGFK	0.020	4.24E+04	859.908	573.608	5384	87.6	YBL064C	10
NVEVVALNDPFISNDYSAYMFK	0.000	3.51E+04	1268.61	846.074	3543	90.7	YJR009C	7
NVLEASNSSLDR	0.007	2.78E+05	652.826	435.553	1472	30.2	YER057C	9
NVNDVIAPAFVK	0.000	4.77E+06	643.859	429.575	3177	55.2	YGR254W	14
NVPGVETANVASLNLLQLAPGAHLGR	0.000	1.58E+06	1306.22	871.149	5079	82.2	YBR031W	17
NVPLYQHLADLSK	0.000	2.09E+06	749.407	499.94	3228	55.9	YHR174W	14
NVQVLESVENK	0.007	2.05E+05	629.836	420.226	4587	74.8	YGR130C	9
NVVALGCGFVEGLGWGNNASAAIQR	0.020	6.45E+04	1252.13	835.089	5284	85.7	YDL022W	10
NWGAETDELSMIMEHFSQQ	0.032	7.18E+04	1126.98	751.658	5978	98.9	YOR369C	14
NYASEALISYFK	0.021	1.58E+05	703.354	469.238	4633	75.5	YKL081W	10
QAEITQGLESIDTVK	0.024	3.16E+04	816.428	544.621	3174	55.1	YDR044W	10
QAFDDAIAELDTLSEESYK	0.032	1.31E+05	1073	715.667	5508	89.8	YDR099W	13
QAINLGQVVLTPLTFALPR	0.007	2.85E+05	1026.1	684.405	6242	104.4	YHL001W	15
QAVESADLILSVGALLSDFNTGSFSYSYK	0.000	1.28E+05	1541.77	1028.18	5861	149.5	YGR087C	9
QDGVLLVALSNEPAAR	0.000	3.81E+05	826.952	551.637	3889	65.1	YPL231W	15
QDLPEAMSAAEITEK	0.006	3.59E+05	816.893	544.931	2944	51.7	YDL137W	14
QDVEALIEFIYDTEK	0.000	9.62E+04	906.949	604.968	6085	101	YPL231W	11
QFGYVILTTSAGIMDHEEAR	0.000	5.14E+04	1119.55	746.7	3917	99.9	YJL190C	7
QIAPAELEGLLDLER	0.006	1.71E+05	833.954	556.305	5304	86	YPL231W	10
QIIENAGEEGSVIIGK	0.020	6.29E+04	828.944	552.965	2709	48.2	YLR259C	10
QITVVGATSGDTGSAAIYGLR	0.028	1.33E+04	1019.03	679.692	2921	75.2	YCR053W	8
QLDNLYSSSNHSK	0.032	6.02E+04	746.855	498.239	1723	33.9	YOR093C	10
QLEDLNLFDNLR	0.010	3.28E+05	745.386	497.26	4818	78.1	YGR155W	11
QLENVSSNIVK	0.000	1.10E+06	615.838	410.894	1647	32.8	YHL015W	11
QLEQLGPNVLDEFDYSFSENGLTAYR	0.016	3.34E+04	1503.21	1002.48	3856	98.4	YFL045C	8
QLGEWAGLGK	0.000	1.04E+06	529.785	353.526	2851	50.3	YOR369C	8
QNPQAIGQDLFTDPR	0.006	7.17E+04	850.424	567.285	3259	56.4	YOR027W	10
QPASFLFLGLSGSGK	0.032	1.10E+05	754.909	503.608	4943	80	YLL026W	11
QSISEAFGKPLSTTLNQDEAIAK	0.006	1.87E+05	1224.63	816.759	3624	61.4	YPL106C	11
QTSFASTASTASVVSSTSGR	0.000	1.87E+05	966.469	644.648	3470	59.3	YER132C	10
QVLVASSEVLYAEAADEK	0.007	2.56E+04	961.491	641.33	5255	85.2	YLR216C	10
QVNVNTIFGLPGDFNLSLLDK	0.021	1.47E+05	1152.62	768.746	6013	99.6	YGR087C	10
QVNVNTVFGLPGDFNLSLLDK	0.010	3.33E+05	1145.61	764.074	6023	99.8	YLR044C	11
QVYFVADIENLSPLACAYAR	0.021	1.57E+05	1122.06	748.377	5698	93.4	YMR120C	10
RPGADSDIGGFGGLFDLAQAGFR	0.016	1.88E+05	1162.57	775.385	5608	91.7	YGL234W	15
SAAIVNESLGGLDPK	0.028	1.33E+05	735.894	490.931	2888	50.9	YPL262W	11
SANLMAGHWVAISGAAGGLGSLAVQYAK	0.000	2.90E+05	1350.7	900.802	8470	149.8	YOL086C	12
SASEVASDLAQLTDFPVIR	0.016	5.72E+04	1010.02	673.685	3641	93.1	YGR279C	9
SASEYDSALASGDK	0.010	2.30E+05	700.812	467.544	1243	26.6	YGR209C	11
SAYLAAVPIAAILIK	0.032	6.78E+04	757.471	505.317	5878	97	YDR516C	10
SAYLAAVPLAAILIK	0.032	6.78E+04	757.471	505.317	5878	97	YCL040W	10
SAYVTTEEFIDAVESR	0.007	4.10E+04	908.934	606.292	4960	80.2	YLR174W	10

SDEEIIDIISK	0.000	9.50E+05	631.33	421.222	3967	66.2	YLR180W	14
SDLVDLLNIYK	0.007	1.61E+05	646.858	431.575	5322	86.4	YDL131W	10
SEAEAEAAGLPVVNLDTR	0.000	3.39E+05	921.466	614.646	3425	58.7	YLL018C	19
SEELYPGRPLAIALDTK	0.000	5.76E+05	937.007	625.007	3002	52.6	YAL038W	11
SEGIEFFASPVTLGPDGIEK	0.000	2.48E+05	1047.03	698.353	3271	83.9	YKL085W	14
SEGNPVIGVFQK	0.007	2.93E+05	637.841	425.563	2942	51.7	YPL231W	12
SEIFSTYADNQPGVLIQVFEGER	0.000	4.73E+05	1300.14	867.094	5699	93.4	YAL005C	13
SEIPEHVIQLLDSLPK	0.007	2.27E+05	909.504	606.672	5522	90.1	YNR001C	16
SELEYYAMLSK	0.000	1.16E+06	667.321	445.216	3567	60.6	YGL030W	13
SEPHITELDNQVGDGDCGYTLVAGVK	0.007	4.31E+04	1359.14	906.429	3425	58.7	YML070W	11
SEVFSTYADNQPGVLIQVFEGER	0.000	4.00E+05	1293.13	862.422	5699	93.4	YER103W	11
SEWPSLIEELLK	0.010	4.48E+05	722.39	481.929	6208	103.7	YMR205C	11
SEYTDMLATGIIDPFK	0.000	3.37E+05	900.94	600.962	5420	88.2	YLR259C	18
SFDELGLAPELLK	0.021	1.66E+05	716.39	477.929	4873	79	YOR046C	10
SFDVPPPPIDASSPFSQK	0.000	1.80E+06	958.475	639.319	3960	66.1	YKL152C	21
SGAATLLVATAVAAR	0.025	8.93E+04	686.401	457.937	3767	63.5	YOR204W	9
SGETEDPFIADLVVGLR	0.000	4.59E+06	909.468	606.648	5955	98.5	YMR323W	11
SGETEDTFIADLVVGLR	0.000	6.28E+06	911.465	607.979	5950	98.4	YGR254W	22
SGNNLVDLSDADTLQR	0.006	7.61E+04	859.421	573.283	3009	52.7	YBR079C	10
SGVAVADESLTAFNDLK	0.000	7.64E+05	868.939	579.628	4174	68.9	YLL050C	18
SGVVNSAFPADESLK	0.010	2.38E+05	760.883	507.591	2543	45.8	YMR105C	11
SHDVVIIGGGPAGYVAAIK	0.025	8.71E+04	912.504	608.672	3552	60.4	YFL018C	10
SHPDAFALDPLEFEK	0.026	3.58E+05	858.417	572.614	4166	68.8	YOR285W	10
SIDDVDELIWTIGR	0.006	1.37E+05	816.417	544.614	5724	93.9	YPL091W	14
SIGGEVFIDFTK	0.000	3.15E+06	656.843	438.231	4417	72.4	YOL086C	12
SIIGATSIEDFISK	0.010	6.23E+05	740.898	494.268	4833	78.4	YHR183W	16
SINPDEAVAYGAAVQAAILTGDESSK	0.000	1.44E+06	1289.14	859.761	5499	89.6	YAL005C	19
SINPDEAVAYGAAVQAAILTGDQSTK	0.006	2.29E+05	1295.65	864.105	5499	89.6	YBL075C	10
SINPDEAVAYGAAVQGAILTGQSTSDETK	0.000	2.71E+04	1447.21	965.14	5890	149.9	YDL229W	5
SIQTLEMELAQIMK	0.020	5.59E+04	817.928	545.621	6109	101.5	YKL104C	11
SISIVGSYVGNR	0.000	1.02E+06	626.338	417.895	2702	48.1	YMR303C	12
SITGFTDVGETILGVDSILK	0.016	3.50E+04	1033.06	689.04	3971	101.2	YDR533C	8
SIVPSGASTGVHEALEMR	0.000	4.98E+05	920.965	614.312	2930	51.5	YGR254W	18
SIVTLDVKPWDDETNLEEMVANVK	0.000	4.87E+05	1373.19	915.793	5410	88	YAL003W	18
SIYLLAGNDPEGR	0.021	1.57E+05	702.86	468.909	2993	52.4	YOR335C	12
SLANTFLSLDTEGR	0.021	1.59E+05	762.389	508.595	4353	71.4	YGL202W	10
SLFQGYFTDSAENVNMYLTQPNFVEQTLK	0.000	5.98E+04	1692.81	1128.87	3967	101.1	YKL210W	7
SLFVVGVDNVSSQQMHEVR	0.010	2.22E+05	1066.03	711.025	3318	57.3	YLR340W	11
SLGNVIDPLDVITGIK	0.000	3.88E+05	827.475	551.986	5709	93.6	YGR094W	12
SLTTVWAEHLSDEVK	0.006	2.52E+05	857.936	572.293	3764	63.4	YOR063W	10
SLVALGIDPQDLK	0.007	3.65E+05	684.89	456.929	3032	53	YDL132W	10
SLVDNMITGVTK	0.000	1.04E+06	639.342	426.564	3637	61.6	YGL147C	13
SMTVFDPEPVQLADLSTQFFLTEK	0.007	4.28E+04	1372.18	915.123	6420	108.6	YKL210W	10
SNAIDLFVTGQIPTEEPELSEYQSK	0.000	1.50E+05	1398.18	932.459	5090	82.4	YMR120C	12
SNDSEQELLEAFK	0.021	1.51E+05	755.357	503.907	3978	66.3	YBR109C	11
SNFATIADPEAR	0.000	1.92E+06	646.317	431.214	2237	41.3	YLR249W	14
SNGVLNVDNQTSDLVK	0.000	4.58E+05	851.934	568.292	2789	49.4	YDR447C	10
SNYDTDVFTPLFER	0.006	2.88E+05	852.399	568.602	4759	77.3	YOR335C	14
SNYGMIAINPGR	0.007	1.95E+05	646.824	431.552	2622	46.9	YKL182W	9
SPQLSAAAASAASAASPDR	0.024	3.04E+04	864.929	576.955	2439	44.3	YLR219W	10
SPSALELQVHEIQGK	0.024	3.18E+04	818.439	545.962	2474	44.8	YDR032C	10
SQAANSVDEALAAVK	0.021	1.43E+05	737.381	491.923	3058	53.4	YJL130C	10
SQIDEIVLVGGSTR	0.000	2.03E+06	737.399	491.935	2858	50.4	YBL075C	12
SQIDEVVLVGGSTR	0.000	3.06E+06	730.391	487.263	2863	50.5	YDL229W	16
SQVDEIVLVGGSTR	0.000	3.51E+06	730.391	487.263	2863	50.5	YAL005C	17
SSNITISNAVGR	0.000	5.24E+05	609.825	406.886	1557	31.5	YDL229W	10
SSPDENSTLLSNDSISLK	0.000	2.45E+05	953.966	636.313	3065	53.5	YMR205C	16

SSQSPETVYFASELK	0.006	2.01E+05	836.907	558.274	3259	56.4	YGR124W	10
SSVLADALNAINNAEK	0.000	3.04E+06	815.426	543.953	5289	85.8	YJL190C	23
STLEPVEQVLK	0.000	4.48E+06	621.851	414.903	2922	51.4	YDL229W	9
STLIEPTSGNTGIGLALIGAIK	0.016	4.07E+04	1063.61	709.407	3431	87.9	YGR155W	8
STSGNTHLGGQDFDTNLLEHFK	0.000	4.62E+05	1209.57	806.716	3624	61.4	YDL229W	14
SVAVDSSESNLK	0.007	2.19E+05	618.309	412.542	897	20.6	YPL061W	9
SVAVPVDILDHDNNYELK	0.007	2.82E+05	1021.02	681.013	3797	63.9	YBR072W	9
SVDELITEGNEK	0.000	1.27E+06	667.328	445.221	1972	37.5	YOL039W	12
SVDELLTFIEGDSSNSK	0.000	8.07E+04	920.944	614.299	5380	87.5	YMR012W	10
SVDSIYQVVR	0.044	2.42E+05	583.314	389.212	2691	47.9	YBR025C	8
SVEMHHEQLEQGVPGDNVGFNVK	0.000	1.99E+06	1275.61	850.74	2344	42.9	YBR118W	18
SVGETVDYIASNPDAN	0.006	2.19E+05	826.376	551.253	2749	48.8	YKL192C	12
SVGFGLVYNSVAEAK	0.000	1.14E+06	770.904	514.272	3928	65.7	YER074W	10
SVLYNPPIEEFAVLETTFDEK	0.020	5.25E+04	1221.11	814.409	6194	103.4	YER003C	13
SVQYVLEDPIAGPLVK	0.000	4.12E+05	864.483	576.657	4439	72.7	YHR019C	15
SYIEGTAVSQADVTVFK	0.000	2.71E+05	907.962	605.644	3495	59.7	YAL003W	17
TAEEYLKPIINSVIK	0.034	2.66E+05	859.49	573.329	4436	72.6	YMR105C	9
TAELQAEIDDTVGIMR	0.026	5.50E+05	881.438	587.961	2141	40	YAL030W	8
TAEQLENLNIQDDQK	0.006	1.50E+05	879.929	586.955	4109	68	YER165W	10
TAGIQIVADDLTVTNPAR	0.000	1.70E+07	928	619.002	4000	66.6	YHR174W	22
TAGIQIVADDLTVTNPK	0.000	4.03E+06	878.478	585.988	3794	63.9	YGR254W	21
TAQLSLQDYLNQQANNQFNK	0.018	1.81E+04	1169.57	780.052	2692	69.4	YLR150W	7
TASEIATTELPPTHPIR	0.020	1.37E+05	917.489	611.995	2067	38.9	YDR099W	9
TASGNIIPSSTGAAK	0.000	2.05E+07	687.865	458.912	1232	26.4	YGR192C	11
TAVALDTILNQK	0.020	1.39E+05	643.869	429.582	3447	59	YBL099W	10
TAVELGAVALK	0.034	2.89E+05	536.324	357.885	2701	48.1	YPL028W	8
TAVFYGGTPISK	0.007	3.18E+05	620.832	414.224	2277	41.9	YDL084W	10
TDLFADLDPSQYFETR	0.000	1.54E+05	959.447	639.967	5570	91	YDR037W	12
TDTTYPAGFMDVITLDATNENFR	0.006	1.99E+05	1296.6	864.736	5624	92	YHR203C	14
TELDGILPLVAR	0.007	3.84E+05	648.88	432.922	4687	76.2	YAR015W	9
TELIHDGAYWVSDPFNAQFTAAK	0.006	1.37E+05	1291.12	861.083	4609	75.1	YFR044C	10
TEWIADYGAAASGR	0.016	1.90E+05	734.347	489.9	2893	51	YLR060W	12
TFIDLESSSPELK	0.010	4.21E+05	733.375	489.252	3428	58.8	YNL096C	13
TFSPQEISAMVLTK	0.010	6.71E+05	776.408	517.941	4748	77.1	YDL229W	12
TFTTCADNQTTVQFPVYQGER	0.000	2.14E+05	1203.56	802.706	2398	61.8	YDL229W	6
TFTTVSDNQTTVQFPVYQGER	0.006	3.40E+05	1209.58	806.724	3544	60.3	YNL209W	14
TFTVDVSSPTENGVFDPASYAK	0.000	3.60E+05	1166.55	778.038	2942	75.7	YLR061W	8
TGDLAGTATTSSFTEAVIK	0.000	8.01E+04	935.476	623.986	3390	58.2	YOR136W	13
TGGFLFPVLSESFK	0.010	2.96E+05	764.906	510.273	5623	92	YOR204W	12
TGIWAGVDASQPPATVWADILNK	0.006	2.87E+05	1205.62	804.085	5784	95.1	YDR226W	12
TGLDISDDAR	0.000	1.63E+06	531.757	354.84	1511	30.8	YDL229W	11
TGLVSVDDDIYQK	0.010	2.58E+05	726.864	484.912	2683	47.8	YNR016C	11
TGTLTTSETAHNMK	0.032	1.21E+05	746.359	497.908	658	16	YDR385W	10
TGTTTNDVDYPIPPNHEMIFTTDDK	0.007	3.81E+04	1411.64	941.432	3355	57.7	YAL038W	12
TGVIVGEDVHNLFTYAK	0.000	3.23E+05	931.986	621.66	4015	66.7	YKL060C	12
TGWLVEIVNYNVENQQYVAAGDLR	0.007	4.19E+04	1376.19	917.796	5695	93.4	YKL182W	10
THSTYAFESNTNSVAASQMR	0.010	2.38E+05	1101.5	734.668	1863	35.9	YKL035W	12
TIAETLAEELINAAK	0.010	5.37E+05	793.935	529.626	5933	98.1	YJR123W	13
TILEDGPESELLEPLYER	0.000	8.34E+04	1052.03	701.688	3256	83.5	YER036C	10
TIVWNGPPGVFEFEK	0.000	2.39E+06	860.441	573.963	4904	79.4	YCR012W	15
TLEDELEVTEGMR	0.021	1.57E+05	761.359	507.908	3513	59.9	YLR259C	10
TLEEGVEMANSSEFGLGSGIETESLSTGLK	0.000	8.61E+04	1536.73	1024.82	2626	67.7	YPL061W	9
TLELDEYQFNFDGDAEDLAAFADSANEEELQNK	0.000	2.40E+04	1876.32	1251.22	3893	99.3	YER110C	8
TLLEAIDAIEQPSRPTDKPLR	0.000	2.39E+06	1182.15	788.436	3928	65.7	YBR118W	10
TLSSSAQTSIEIDSLFEGIDFYTSITR	0.000	2.45E+04	1491.23	994.492	4500	114.5	YER103W	5
TLSSSAQTSVEIDSLFEGIDFYTSITR	0.000	2.45E+04	1484.23	989.821	4500	114.5	YAL005C	5
TLSSVTQTTVEVDSLFDGEDFESSLTR	0.000	5.14E+04	1482.2	988.472	3855	98.4	YDL229W	6

TMVGGNDYEIFVDER	0.006	1.51E+05	872.896	582.266	3774	63.6	YFL045C	11
TMYAADGDYLETYK	0.006	1.01E+05	820.861	547.576	2899	51	YBR149W	11
TNEAAGDGTTSATVLGR	0.006	2.52E+05	810.895	540.932	1294	27.4	YLR259C	14
TNEIILVDEVLTPDSSR	0.000	1.84E+05	950.997	634.334	4910	79.5	YAR015W	10
TNNPETLVALR	0.000	5.01E+06	614.338	409.895	2542	45.8	YAL038W	14
TNQLVPEVLEYNVR	0.000	5.72E+05	837.446	558.633	4054	67.3	YGL234W	10
TPANAAVPASTPLK	0.000	9.45E+05	669.375	446.586	1422	29.4	YLR044C	10
TPGPGGQAALR	0.026	3.66E+05	512.78	342.189	796	18.7	YCR031C	10
TPTAAAWDSPESHIGVAK	0.007	4.83E+04	919.458	613.307	2295	42.2	YGR155W	10
TQDLLLLDVAPLSLGIETAGGIMTK	0.006	1.41E+05	1285.21	857.143	6439	109	YBL075C	10
TQDLLLLDVAPLSLGIETAGGVMTK	0.006	3.77E+05	1278.2	852.472	6449	109.2	YAL005C	14
TQELPSLAQSTQR	0.032	1.21E+05	729.881	486.923	1903	36.5	YIL041W	10
TQFENSNEIGVFSK	0.020	4.63E+04	800.386	533.926	2764	49.1	YPR016C	11
TQFSWQYYYYTLTEEGVEYLR	0.007	3.48E+04	1370.13	913.759	6320	106.2	YMR230W	10
TSAVAALTEVR	0.000	1.56E+06	559.314	373.212	2436	44.3	YHL033C	10
TSEIMHLVNPIIENVR	0.007	1.98E+05	933.001	622.336	4447	72.8	YCL030C	9
TSFFQALGVPTK	0.000	8.54E+05	648.353	432.571	4397	72.1	YLR340W	11
TSLFLNLANDPTIER	0.006	1.85E+05	852.452	568.637	4419	72.4	YBR127C	11
TSPTGVSNDVMGSVPR	0.047	2.29E+04	802.391	535.263	2904	51.1	YBR161W	10
TSPYVLPVPFLNVLNGGSHAGGALALQEFMIAPTGAK	0.000	2.44E+05	1869.49	1246.66	4338	110.4	YGR254W	13
TTANLPANSSTSPAPSIPSTGFK	0.032	2.84E+04	1123.57	749.381	5288	85.8	YLR335W	10
TTPSFVAFTDTER	0.010	4.54E+05	736.357	491.24	3283	56.7	YAL005C	12
TTPSFVGFTDTER	0.000	1.64E+06	729.349	486.568	3048	53.2	YLL024C	13
TTQNPDELWEFIADSLK	0.007	2.11E+05	1003.99	669.662	6417	108.5	YGL253W	12
TTYTTQRPVYLGLPANLVDLNVPAK	0.000	5.88E+06	1372.75	915.504	4880	79	YLR134W	11
TTYVTQRPVYLGLPANLVDLNVPAK	0.000	8.09E+06	1371.76	914.844	4880	79	YLR044C	20
TVAGGAYTVSTAAAATVR	0.000	8.63E+05	833.942	556.297	2444	44.4	YJR094W-A	25
TVASSGQELSVEER	0.010	7.08E+05	746.368	497.914	1288	27.3	YER177W	16
TVAVDSVFEQNEMIDAIAVTK	0.032	7.20E+04	1140.58	760.719	5063	81.9	YOR063W	11
TVEQLGQEEYEK	0.010	2.47E+05	726.846	484.9	1443	29.7	YJL167W	10
TVESVNVIVSTYADEVLGDVQVYPAR	0.000	6.10E+05	1412.22	941.819	6415	108.5	YDR385W	15
TVFESLDQAWSLLR	0.006	1.20E+05	832.936	555.626	6009	99.5	YBR127C	10
TVFIQELINNIAK	0.032	7.96E+04	751.932	501.624	5913	97.7	YJR121W	11
TVIFTHGVEPTVVVSSK	0.007	4.16E+04	900.499	600.668	2775	49.2	YJR105W	12
TVLVYGHYDVQPAQLEDGWDTEPFK	0.000	8.72E+04	1454.2	969.799	4595	74.9	YFR044C	10
TVPFVPISGWNGDNMIEATTNAPWYK	0.000	2.21E+06	1454.7	970.137	5875	96.9	YBR118W	15
TVPGSSLTSVPGFFAAGDVQDSK	0.000	8.06E+04	1134.06	756.378	2877	74.1	YDR353W	7
TVSQADFPGLEGVAK	0.010	2.42E+05	759.894	506.931	3113	54.2	YIL078W	13
TVVVVGTVTDDAR	0.000	2.45E+06	666.362	444.577	1937	37	YNL301C	16
TYIGNLLALSISSDNLVNK	0.000	9.66E+04	1018.06	679.041	3701	94.5	YGR180C	8
TYPVEDPSTENTVCEVSSATTEDVEYAIECADR	0.000	8.24E+04	1812.28	1208.52	3928	100.2	YPL061W	7
VAASFSQEALQYVVER	0.020	3.77E+04	898.963	599.644	4339	71.2	YKL182W	10
VAAVETLYQDMAAR	0.010	5.56E+05	769.388	513.261	3998	66.5	YMR242C	15
VAPEEHPVLLTEAPMNPK	0.000	1.07E+06	986.514	658.012	2562	46.1	YFL039C	11
VASANATAAESDVAK	0.010	2.38E+05	702.852	468.904	848	19.7	YIL133C	11
VAVDDPSVLAEVEAVLAGVEAEK	0.032	6.88E+04	1155.61	770.741	6733	116.1	YDR342C	10
VDALEQETVYR	0.030	7.59E+04	661.833	441.558	2017	38.2	YDL110C	9
VDDELLVAR	0.000	9.47E+05	515.282	343.857	2226	41.1	YDR226W	10
VDFNVPLDGK	0.000	8.12E+05	552.29	368.529	2896	51	YCR012W	10
VDIIANDQGNR	0.000	4.33E+05	607.81	405.542	1157	25.2	YAL005C	9
VDPLVIELVTGAK	0.045	5.09E+04	677.403	451.938	5207	84.4	YGL195W	13
VEEQEQQQQQIIK	0.006	1.72E+05	814.418	543.281	999	22.4	YHL015W	18
VEFLEDTSR	0.000	2.91E+06	548.269	365.849	2051	38.7	YLR264W	11
VEGIGYDFVPQVLDR	0.006	2.63E+05	853.941	569.63	5059	81.9	YGR155W	10
VELDALFNIAELK	0.032	1.07E+05	737.911	492.277	5703	93.5	YPL218W	15
VENIISWGYGTPGAGAYDYIK	0.000	1.11E+05	1137.56	758.707	3127	80.3	YLR179C	12

VENPFDFMENISLAGK	0.000	1.08E+05	905.938	604.294	5775	94.9	YJL026W	12
VESIVAEASDFVTEVLK	0.014	2.39E+04	918.485	612.659	6740	116.2	YJL080C	10
VESLGSPSGATK	0.026	4.09E+05	566.796	378.2	751	17.8	YDR155C	8
VETGVIKPGMVVTFAPAGVTTEVK	0.000	1.24E+07	1215.67	810.782	3959	66.1	YBR118W	19
VFAEDYLDINGSPINPYAR	0.016	3.32E+04	1077.53	718.688	3011	77.4	YBR127C	10
VFDALNDLEQLK	0.010	2.86E+05	702.872	468.917	4593	74.9	YBR218C	12
VFEEEGAFIEALER	0.006	2.53E+05	819.904	546.939	5089	82.4	YJR016C	13
VFITDEAEDLIPEWLSFVK	0.000	3.30E+05	1126.08	751.056	4682	119.2	YMR186W	12
VFNLPLFPTTTIGSFPQTK	0.000	9.72E+04	1054.57	703.386	3676	94	YER091C	9
VFNTVVSTDSTPVTNQK	0.007	3.50E+04	918.971	612.983	2145	40	YNL239W	10
VFQVGNIVHPSVVVSNDEENNELVR	0.000	6.60E+04	1397.21	931.81	3805	64	YDR023W	16
VFSLDPQYLVDDLRPEFAGYSK	0.006	2.81E+05	1280.14	853.764	5689	93.2	YMR116C	13
VGDPFDESTFQGAQTSQMQLNK	0.020	5.32E+04	1214.56	810.041	3499	59.7	YOR374W	14
VGEYNAETDEVELIFDDYLYAK	0.006	6.93E+04	1298.6	866.071	6184	103.1	YIL053W	11
VGIPAGVVNIVPGPGR	0.000	1.94E+06	751.446	501.3	3858	64.7	YPL061W	17
VGIVGLGGIGSMGTLISK	0.018	6.77E+04	829.979	553.655	5049	81.7	YMR318C	10
VGLIGSCTNSSYEDMSR	0.000	7.58E+04	909.903	606.938	2565	46.1	YLR304C	10
VGVVSILEAGDSDILTTLA	0.000	7.87E+05	937.012	625.01	6510	110.7	YGL030W	21
VGYTLPSHIISTSDVTR	0.000	3.50E+05	923.489	615.995	3000	52.5	YBR031W	16
VIDVDGNPVIEVQYLEETK	0.010	7.37E+05	1080.56	720.707	4808	78	YDL229W	18
VIEQPITSETAMK	0.000	9.54E+05	723.879	482.922	1798	35	YOL127W	12
VILFIGDGSLQLTVQEISTMIR	0.020	5.49E+04	1217.17	811.786	8444	149.5	YGR087C	11
VINDAFGIEEGLMTTVHSLTATQK	0.000	3.07E+06	1288.16	859.107	5884	97.1	YGR192C	21
VINDAFGIEEGLMTTVHSMTATQK	0.000	8.18E+05	1297.14	865.093	5884	97.1	YJL052W	12
VITLPDYPGVDADNIK	0.000	2.00E+06	865.454	577.305	3764	63.4	YBR072W	14
VLDEVVVDNFDQK	0.010	7.00E+05	760.386	507.259	3183	55.3	YLR259C	16
VLENTEIGDSIFDK	0.000	2.95E+06	790.396	527.267	3538	60.2	YCR012W	17
VLEQLSGQTPVQSK	0.000	2.75E+06	757.415	505.279	1668	33.1	YGR085C	18
VLNEQVDESYGLR	0.010	2.32E+05	761.381	507.923	2283	42	YER110C	12
VLVLDGGQGTELENR	0.006	7.84E+04	800.42	533.949	2599	46.6	YPL273W	10
VNDAVVTVPAYFNDSQR	0.000	3.07E+06	947.968	632.315	3465	59.3	YAL005C	19
VNGSPITLVEPEILR	0.000	2.24E+06	818.967	546.314	4809	78	YDL083C	10
VNLAVITVPAYFNDSQR	0.000	9.86E+05	954.005	636.339	3480	59.5	YLR369W	10
VNLDTDCQYAYLTGIR	0.000	4.18E+06	922.946	615.633	3830	64.4	YKL060C	11
VNLENPIPIAVLDSYTPSTNEPYAR	0.000	3.70E+05	1387.21	925.14	5340	86.7	YKL182W	17
VNNLIFLSGQIPVTPDNK	0.000	1.09E+05	985.041	657.03	4580	74.7	YER057C	10
VNNPNVSLIK	0.000	9.06E+05	549.319	366.549	1686	33.4	YOR234C	9
VNPETGIIDYDTLEK	0.000	1.73E+06	853.928	569.621	3344	57.6	YLR058C	19
VNQAIALLTIGAR	0.000	5.16E+05	670.406	447.273	4207	69.4	YJR123W	14
VNQIGTLSESIK	0.000	1.71E+07	644.859	430.242	2322	42.6	YGR254W	17
VPAINVNDSVTK	0.000	5.61E+05	628.846	419.566	1752	34.4	YER043C	9
VPIPAYLIGIASGDLSSAPIGPR	0.032	8.59E+04	1132.64	755.426	6123	101.8	YNL045W	10
VPLSDNAIIEANLGK	0.010	6.73E+05	777.43	518.623	3368	57.9	YGL076C	16
VPPTIAQFQYTLDR	0.006	2.03E+05	824.938	550.295	4059	67.3	YHL033C	10
VPTVDVSVVDLTVK	0.000	6.85E+06	735.924	490.952	4053	67.2	YGR192C	18
VQGGEEVNAEELK	0.010	2.31E+05	701.346	467.9	1303	27.5	YJR045C	10
VQPVQPSQTSTYPGQGMPTPK	0.032	6.06E+04	1114.55	743.372	1998	37.9	YNL007C	10
VQQLQQQQAQQELFQQQLQK	0.043	2.65E+04	1235.15	823.766	2809	49.7	YNL243W	10
VQSEYLGIPEEGPFK	0.000	4.75E+05	846.928	564.954	3809	64.1	YER043C	13
VSQFQSVVIPVGITK	0.006	1.34E+05	801.467	534.647	3869	64.9	YHR020W	14
VSVEGVNVEK	0.000	1.16E+06	530.288	353.861	1496	30.6	YLR448W	8
VTDGALVVVDTIEGVCVQTETVLR	0.006	1.25E+05	1258.67	839.447	6309	106	YDR385W	14
VTELLGFDK	0.026	4.63E+05	511.282	341.19	2956	51.9	YLR359W	10
VTPEEADLGMIAYYFQK	0.040	5.45E+04	987.98	658.989	5747	94.4	YMR205C	9
VTVIGSGNWGTTIAK	0.016	2.03E+05	752.412	501.944	2703	48.1	YDL022W	10
VTYDITSKPPATVEWE	0.000	9.36E+04	918.457	612.64	3435	58.9	YMR217W	14
VVADDLVLVTPK	0.007	2.77E+05	634.877	423.587	3297	56.9	YOR198C	11

VVDLIEYVAK	0.000	5.64E+06	574.832	383.557	4011	66.7	YJL052W	11
VVDLVEHVAK	0.000	2.88E+06	554.822	370.217	1521	30.9	YGR192C	10
VVEIGPSPTLAGMAQR	0.006	1.86E+05	813.438	542.628	3174	55.1	YPL231W	16
VVGLSTLPEIYEK	0.000	1.01E+07	724.406	483.273	3883	65.1	YOL086C	18
VVITAPSSSAPMFVVGVNHTK	0.010	3.09E+05	1071.07	714.386	3428	58.8	YJL052W	10
VVITAPSSTAPMFVMGVNEEK	0.000	1.70E+06	1104.06	736.374	4303	70.7	YGR192C	17
VVNEPTAAALAYGLDK	0.000	1.22E+06	816.436	544.626	3809	64.1	YEL030W	12
VVNEPTAAALAYGLEK	0.000	7.70E+05	823.443	549.298	3549	60.4	YJR045C	21
VVNGNSADAAYAQVEIQPR	0.000	8.09E+04	1001.5	668.004	1831	47.2	YPL231W	8
VVNQLLTEMDGMNAK	0.006	1.10E+05	831.913	554.945	3739	63.1	YDL126C	11
VVSVGKPIEELLANPANEEWTK	0.006	1.55E+05	1212.14	808.432	4709	76.5	YOR335C	10
VVVFEDAPAGIAAGK	0.000	1.14E+06	722.396	481.933	3023	52.9	YER062C	17
VWLDPNETSEIAQANSR	0.000	4.86E+05	965.469	643.982	3200	55.5	YBL027W	18
VYEPLLLVGLDK	0.000	1.89E+06	679.9	453.603	5042	81.6	YDL083C	15
VYYFQGGNNELGTAVGK	0.000	2.95E+05	908.947	606.3	2975	52.2	YGL030W	19
WAGNANELNAAYAADGYAR	0.000	1.65E+06	999.459	666.642	2270	41.8	YGR087C	13
WGLKPYIFVLNNNGYTIEK	0.010	6.24E+05	1135.1	757.072	5158	83.5	YLR134W	10
WGLKPYLFVLNNDGYTIEK	0.000	2.50E+06	1135.6	757.4	5148	83.4	YGR087C	14
WSFEEVEVK	0.000	9.03E+05	576.782	384.857	3521	60	YJR123W	8
WTANLLPAR	0.026	5.75E+05	521.296	347.866	2901	51.1	YJL190C	9
YAAAAPAATSAASGDAAPAEEAAAEEEEESDDDMGFGLFD	0.000	6.80E+04	1960.81	1307.54	3074	79	YLR340W	8
YAQDGAGIER	0.026	5.07E+05	540.259	360.509	731	17.4	YOR063W	9
YATASAIAATAVASLVLAR	0.007	3.62E+04	910.517	607.347	5990	99.2	YBR031W	11
YDIGNPVTGETLESPR	0.006	3.13E+05	874.428	583.288	3004	52.6	YBR121C	12
YDLEAWFPYQK	0.010	3.76E+05	730.348	487.235	4858	78.7	YDR023W	12
YDLLCIEGISQSLNEYLER	0.000	3.82E+04	1129.55	753.372	4077	103.8	YLR060W	7
YDNQIAVFGLDFQK	0.018	6.62E+04	829.415	553.279	4744	77	YKL210W	10
YDTATAADLR	0.034	2.62E+05	548.767	366.18	1256	26.8	YLL026W	8
YEIISQQPENVSNLSK	0.000	2.88E+05	924.971	616.983	2555	46	YKL035W	16
YESATASALVN	0.026	4.62E+05	563.275	375.852	1821	35.4	YDR064W	9
YFEVILVDPQHK	0.010	3.03E+05	744.398	496.601	3498	59.7	YLR029C	10
YGASAGNVGDEGGVAPNIQTAEEALDLIVDAIK	0.000	4.87E+06	1629.31	1086.54	4961	126.4	YGR254W	16
YGGVYVGTLSKPEVK	0.021	1.41E+05	798.935	532.959	1663	33	YLR044C	10
YGHAEDFVPILESPEGK	0.007	2.63E+05	944.46	629.976	3557	60.5	YLR438W	9
YGVIVHDIATPNLIDR	0.006	1.03E+05	898.489	599.328	3699	62.5	YDL055C	10
YGYQLYTSNPSGNYTGWK	0.028	2.07E+04	1049.98	700.322	2386	61.5	YGR135W	8
YIEDFVGVPVEWVGTGPAR	0.000	5.24E+05	1046.03	697.69	3396	87	YNL220W	12
YIETQALLLAPIAPHFAEYIYR	0.020	5.99E+04	1296.7	864.8	5674	93	YPL160W	10
YIQTEQQIEIPEGVTVSIK	0.010	2.20E+05	1088.08	725.723	3643	61.7	YNL067W	10
YIQTEQQIEVPEGVTVSIK	0.016	2.13E+05	1081.07	721.051	3638	61.6	YGL147C	11
YLAAYLLLVQGGNAAPSAADIK	0.032	5.67E+04	1110.11	740.407	5318	86.3	YDR382W	10
YLAEFSSGDAR	0.000	8.04E+05	608.286	405.86	1852	35.8	YDR099W	9
YLGLKPGSIDAISQVINIAK	0.010	3.17E+05	1050.61	700.74	5103	82.6	YKL182W	13
YLIENFSAQLQNPEGK	0.000	3.21E+05	925.968	617.648	3925	65.6	YGR180C	14
YNEIVNLTLPDGTVR	0.000	7.59E+05	852.452	568.637	4009	66.7	YBR127C	14
YNPDDTIAPPQDATEESQTK	0.000	2.65E+05	1110.5	740.669	1392	35.9	YOR230W	7
YNVIVTFPSTPDDELVSFVGLR	0.024	3.13E+04	1234.64	823.428	5954	98.5	YJL080C	10
YPIEHGIVTNWDDMEK	0.000	6.18E+05	973.951	649.637	3332	57.4	YFL039C	13
YSSSGTPENITGEADDEDEDIIR	0.000	2.51E+04	1257.04	838.365	2008	51.8	YLR257W	7
YTNPVVIQGAGAGAAVTAAGVLGDVIK	0.006	1.80E+05	1256.69	838.131	5549	90.6	YJR139C	18
YTQVLKPIAFPGGLLEDNVK	0.032	9.38E+04	1101.61	734.744	4583	74.7	YJL130C	10
YTVSFIEGDGIGPEISK	0.000	2.00E+05	906.457	604.64	4075	67.5	YOR136W	14
YVDPNVLPETESLALVIDR	0.000	8.92E+05	1072.07	715.048	5348	86.9	YKL152C	17
YVHVSEVGNCSGSGMGGVSALR	0.032	1.09E+05	1083.51	722.674	2303	42.3	YPL231W	12
YVYAHFPINVNIVEK	0.007	2.48E+05	903.483	602.658	3957	66	YGL147C	10

Supplemental Table 2: DDA-Mascot Peptide Identifications (<5% FDR)

peptide	Mascot score	m/z 2+	m/z 3+	scan #	RT	protein
AAADALSDLEIK	47.66	608.825	406.219	8079	57	YJL026W
AADETAAAFYPSK	57.59	671.32	447.882	4976	37.9	YER023W
AAEAATTDLTYR	26.27	641.817	428.214	3697	30	YOR230W
AAEEADADAELADEEDAIHDEL	90.4	1171.49	781.331	8468	70.6	YCL043C
AAEPHAVSLAWSADGQTLFAGYTDNVIR	78.63	1480.73	987.489	11866	80.8	YMR116C
AAGANVDNVWADVYAK	86.44	832.407	555.274	9078	63.2	YDL130W
AAGSYYVEAQHK	30.59	662.32	441.882	1918	19.2	YGL076C
AASDAIPPASPK	14.86	562.801	375.536	2236	21.1	YBR011C
ADDDSVTIISAGNDK	36.93	760.857	507.574	4781	36.7	YMR116C
ADEINQIFDAISYSK	29.39	857.42	571.949	12380	84.1	YKL157W
ADHLVEEVLEAR	18.98	690.859	460.909	8070	56.9	YBR121C
ADILLLDEPTNHLDVSNVK	17.89	1053.56	702.707	9415	65.3	YPL226W
ADIMELLNHSDSR	27.97	750.859	500.909	8904	62.1	YPR036W
ADPAFKPTEK	17.21	552.29	368.529	1463	16.4	YPL131W
ADQEYEIEK	42.98	562.759	375.508	2591	23.3	YOR332W
ADQILQFSTNPQSK	64	788.902	526.27	6796	49	YGR218W
ADTGIAVEGATDAAR	24.85	709.349	473.235	3847	31	YGL008C
ADVLTAFLNK	42.84	546.308	364.541	10451	71.8	YJL167W
ADVQVALPEGLDAK	44.93	713.383	475.924	7693	54.6	YMR027W
ADWGCAEDPSGR	46.93	660.767	440.847	3605	29.5	YGR124W
ADWGDDIPTTK	19.76	609.785	406.859	5887	43.4	YGR124W
AEALNISGEFFR	53.18	677.343	451.898	9969	68.8	YNL069C
AEELNISGEFFR	54.84	706.346	471.233	10023	69.1	YIL133C
AEPIDEEVSLAIENGIINPR	31.28	1090.07	727.046	9644	78.8	YOR133W
AEQGEHDENISPAQAAELVGEDLSR	16.98	1333.12	889.083	8602	71.6	YAR015W
AEQLYEGPADDANCIAIK	55.19	989.465	659.979	7231	51.7	YOR133W
AEQVFQNVK	53.45	531.783	354.857	3309	27.7	YIL051C
AEQVLQNAEK	36.4	565.296	377.2	1872	18.9	YDR129C
AESITAVLYPNDNFAQGK	27.18	969.484	646.658	9442	65.5	YPR160W
AETAAQDVQQK	20.57	594.796	396.867	992	13.5	YOL109W
AEVAALAAENK	71.79	543.793	362.864	3025	25.9	YGR240C
AEVSDVGNAILDGADCVMLSGETAK	78.35	1261.59	841.396	10818	87	YAL038W
AEVSSMPTLIFYK	39.71	743.386	495.927	10527	72.3	YGR209C
AFHDTEWATQDPR	47.71	787.355	525.239	4280	33.6	YPL061W
AFIDEQFPQGISEPIPLGFTFSFPASQNK	41.7	1606.8	1071.54	13254	103.8	YGL253W
AFPLADAALTQQILDVVQQAANLR	33.22	1283.7	856.138	16635	127.7	YEL026W
AGAGHSNTLQVSTV	32.89	671.341	447.897	3798	30.7	YAL038W
AGANSMIQNVVDSDTISETAAR	13.94	1125.54	750.694	9294	64.5	YLL026W
AGAPVDALINQIVPLLEK	32.27	931.043	621.031	15893	107.4	YHR183W
AGELTQEELER	17.69	637.815	425.546	3866	31.1	YML026C
AGGAAASLIMPFLDNQVNFK	31.3	1032.53	688.691	11993	95.1	YBL041W
AGGECITLDQLAVR	76.91	751.885	501.593	8292	58.3	YOL120C
AGHQTSAESWGTGR	50.4	722.832	482.224	1722	18	YDR012W
AGITWIGPPAEVIDSVGDK	14.32	963.004	642.339	11835	80.6	YBR218C
AGLLGVESIELTPHIISK	20.1	939.041	626.363	10565	72.5	YJL130C
AGSGTSQLDQLAALQALSSSLNK	42.26	1130.59	754.064	10428	84.3	YOL123W
AGTAAAAAAALEDAK	81.83	686.857	458.24	7322	52.3	YHR020W
AHPDVLTVMLQMLDDGR	32.04	955.977	637.654	15462	104.5	YLL026W
AIDYVEATANSHSR	26.07	767.368	511.915	3303	27.6	YMR205C
AIEMEGLTWGAHQFIPIGFGIK	22.14	1208.13	805.756	13518	91.6	YAL003W
AIEQLNYTPIK	13.47	645.359	430.575	6619	47.9	YER165W
AIGSGSEGAQAELLNEWHSSLTLK	13.36	1249.63	833.422	10938	74.9	YGR253C
AIGYNPTNQLVQDIINADSSLR	55.59	1201.62	801.415	12674	99.8	YGL106W
AIIDCGFEHPSEVQQHTIPQSIHGTDVLCQAK	20.85	1808.37	1205.92	7624	54.1	YDL084W
AILANPSTYEILDPHDFGMK	13.71	1116.55	744.705	11296	77.2	YDL131W
AIMPIIEGHDVLAQAQSGTGK	33.25	1068.56	712.709	8891	62	YKR059W
AIVAELQETLKPDLALVEEK	38.64	1105.12	737.082	11778	80.2	YDR388W
AIYVDLEPNVIDEVR	63.58	872.959	582.309	10639	73	YML085C
ALELYGLDPAK	26.3	595.327	397.22	8665	60.6	YBR263W
ALENPTRPFLAILGGAK	37.57	884.509	590.009	11095	75.9	YCR012W
ALGIMALLDEGETDWK	68.63	881.44	587.962	14350	97	YBR011C
ALGLEYVDLLLQHWPLCFEK	31.57	1222.64	815.428	16858	114.1	YBR149W

Peptide						Gene
ALLELQVSK	38.37	500.805	334.206	6976	50.1	YOR133W
ALLESDESLR	17.74	566.796	378.2	12345	83.9	YGR218W
ALLPHLTNAIVETNK	33.31	817.467	545.314	7856	55.6	YLR249W
ALTEQAQTLTLSSR	51.34	759.91	506.942	5715	42.4	YLR438W
ALYDTFSVFGDILSSK	51.27	881.948	588.301	14578	98.6	YER165W
ALYELLSAADQK	67.1	661.354	441.238	9117	63.4	YER110C
AMYTLSAQDEVFSLAFSPNR	31.48	1124.04	749.696	10926	87.7	YMR116C
ANADANEDNNVDEK	62.4	759.819	506.882	925	13.1	YGR124W
ANELLINVK	57.61	507.303	338.538	6428	46.7	YOL086C
ANELVESYR	40.65	540.77	360.849	3780	30.5	YDL185W
ANFEIDLPDAK	68.21	616.811	411.543	8382	58.9	YGL245W
ANITDVCIAVPPWYTEEQR	32.9	1131.55	754.7	9312	76.5	YPL106C
ANNFVYVSGQIPYTPDNKPVQGSISEK	53.71	1476.74	984.829	8074	56.9	YIL051C
ANVDTDAIIPK	24.07	578.814	386.212	5341	40.1	YGL009C
APEAEQVLSAAATFPIAQPATDVEAR	28.72	1327.18	885.12	9812	80	YDL082W
APEQFDEVVAAIGNK	52.17	794.404	529.939	9819	67.8	YER091C
APFAVVGHATAEQK	74.36	713.378	475.921	3505	28.9	YGR061C
APFDLFESK	49.58	527.266	351.847	9333	64.8	YMR186W
APIEIPLEK	30.63	505.3	337.202	6959	50	YJL080C
APIVAYAELIAAR	41.28	679.396	453.266	11058	75.7	YGL245W
APLEEIVISNDYLNK	62.82	859.454	573.305	10217	70.3	YOR332W
APLQTTDLMER	19.44	637.824	425.552	5740	42.5	YDR129C
APLVIADPTYFPEK	62.87	780.919	520.948	9191	63.9	YER136W
APQGPRPGNWDQED	16.71	783.85	522.903	3868	31.1	YJL008C
APTAAELQAPPPPPSSTK	14.41	880.465	587.312	4160	32.9	YPL004C
APTFFVSQDDNNFETEFFPR	19.96	1204.55	803.366	11031	88.4	YLR342W
APVYADAIDFIK	40.18	661.853	441.571	10613	72.8	YEL038W
AQFETLTAPLVK	24.69	659.374	439.919	8346	58.6	YJR045C
AQIPVTTTLQGLGSFDQEDPK	32.27	1123.07	749.05	8518	71	YMR108W
AQPTEVSSILEER	37.64	729.875	486.919	7374	52.6	YBL099W
AQYDSCDFVADVPPPK	27.22	904.912	603.61	7082	50.8	YGR285C
AQYNEIQGWDHLSLLPTFGAK	47.4	1194.6	796.738	10344	83.7	YLR044C
ASAPGSVILLENLR	55.05	720.414	480.612	10150	69.9	YCR012W
ASGEIVSINQINEAHPTK	46.01	954.495	636.666	5491	41	YMR242C
ASGTVVVADTGDFGSIAK	65.25	847.933	565.625	7461	53.1	YLR354C
ASLNVGNVLPLGSVPEGTIVSNVEEKPGDR	38.18	1524.3	1016.54	9164	75.5	YIL018W
ASLVPGTVLILLAGR	18.41	740.466	493.98	14402	97.4	YLR448W
ASSEENISEAEK	52.14	647.294	431.865	1537	16.8	YGR162W
ASYVGDSSQVEDPGAVGLCEFLK	56.07	1214.57	810.049	9349	76.8	YML070W
ATAGDTHLGGEDFDNR	73.93	838.369	559.248	3286	27.5	YAL005C
ATDGGAHGVINVSVSEAAIEASTR	83.72	1156.58	771.387	6653	57.5	YOL086C
ATGQEMDVVSEEPLIEWLAANYK	18.95	1297.13	865.088	13392	104.7	YBR143C
ATHILDFGPGGASGLGVLTHR	26.64	1038.55	692.704	9226	64.1	YKL182W
ATNDVEPSTYDSK	56.55	713.82	476.216	2061	20.1	YPR145W
ATNSSLEAYK	33.06	542.269	361.849	2415	22.2	YDR099W
ATSPLLESDSIEK	44.85	695.359	463.908	5684	42.2	YGR253C
ATSSTDEESWFK	20.37	694.304	463.205	6632	48	YKL182W
ATVDEFPLCVHLVSNELEQLSSEALEAAR	59.55	1614.3	1076.53	15110	116.8	YLR075W
ATVPVLEQQGTVITR	27.83	806.457	537.974	6875	49.5	YGR234W
AVAPIDTDDVLLGQYGK	61.84	887.965	592.312	9535	66	YNL241C
AVASSGQELSVEER	70.64	731.363	487.911	3292	27.6	YDR099W
AVDDFLISLDGTANK	102.74	789.904	526.938	10995	75.3	YGR254W
AVDDFLLSLDGTANK	102.74	789.904	526.938	10995	75.3	YHR174W
AVDLLLPELER	34.82	634.366	423.247	10841	74.3	YGL195W
AVEESAEPAQVILGEDGKPLSK	15.58	1134.09	756.397	7226	51.7	YLL018C
AVEFAQQVQQSLPK	29.44	786.923	524.951	8102	57.1	YLR058C
AVEQGFNVKPR	29.94	622.841	415.563	2632	23.6	YBR127C
AVGDNDPIDVLEIGETIAYTGQVK	74.44	1259.14	839.762	14278	96.6	YBR011C
AVGGEVGASAALAPK	64.15	649.359	433.242	4283	33.6	YEL054C
AVGIDLGTTYSCVAHFANDR	36.19	1084.02	723.013	10341	71.1	YAL005C
AVGSLTFDENYNLLDTSGVAK	75.75	1107.55	738.702	9032	74.6	YNR034W-A
AVLEFTPETPSPLIGILENK	45.7	1084.6	723.4	13742	93	YGR240C
AVMDLLGSELQNK	16.7	709.371	473.25	9667	66.9	YBR263W
AVQNIILGIYYNSGEVCCAGSR	25.1	1222.59	815.395	12019	81.8	YOR374W
AVVAGAGTGGTISGISK	62.58	723.402	482.603	4264	33.5	YGR155W
AVVESVGAEVDEAR	48.62	715.86	477.576	5213	39.3	YDR382W

AWDLLQSGSQNISEFDSFTDILK	24.11	1307.64	872.094	13435	105	YFR052W
AWNLNQFQIEADFIGHNSNINTLTASPDGTLIASAGK	74.47	1964.98	1310.32	11772	93.6	YMR116C
AYEELSNTDLEFK	59.66	779.867	520.247	7848	55.5	YLR249W
AYPDLQIAYLDEEPPLTEGEEPR	43.75	1323.13	882.425	9560	78.3	YLR342W
CCIGFVGGSDLSK	50.11	700.321	467.216	6591	47.8	YFL045C
CCSDVFNQVVK	53.69	678.308	452.541	6147	45	YOL086C
CGDCGSALQGISTLRPR	20.57	924.446	616.633	6465	47	YIL052C
CPFTGLVSIR	50.06	575.308	383.874	8592	60.2	YDR025W
CPLGNPANYPFATIDPEEAR	92.3	1116.52	744.684	8306	69.5	YBR025C
DAGTIAGLNVLR	20.73	600.341	400.563	8762	61.2	YAL005C
DATPIEDVFSFNYPEGIEGPDIK	21.08	1277.11	851.739	11931	94.6	YGR162W
DAYEPLYPQQLEILR	13.63	924.48	616.656	15041	101.6	YIL065C
DETLDDWFDNDLSLFPSGFGFPR	31.89	1345.61	897.406	15452	119.2	YBR072W
DEYKPILQSLIVEALLK	21.31	986.572	658.05	15345	103.7	YOR332W
DFDGTGALEFPSEEILVEALER	23.52	1219.09	813.064	15921	107.6	YDR432W
DFKPQALGDTNLFKPIK	16.73	966.533	644.691	8828	61.6	YHR179W
DFLSGTVLYLNSLAK	44.22	820.948	547.635	15022	101.5	YDL055C
DGDDLIYTLPLSFK	26.56	798.911	532.943	13130	89	YNL007C
DGEIMLWNLAAK	60.6	680.85	454.236	11555	78.8	YMR116C
DGYLQNNATEGDAEHITPDNLR	26.39	1222.06	815.042	6555	47.5	YLR153C
DHGDVSNQLYAK	31.14	673.82	449.549	2300	21.5	YBR127C
DIEETIVFLQSDPSRPAYVEEIR	15.9	1353.68	902.792	10096	82	YDR127W
DIEFSVEELNAATGSK	33.66	855.415	570.612	10139	69.8	YFR044C
DIFPLQNIHVR	13.62	676.378	451.254	9155	63.7	YLR441C
DIFSNDELLSDAYDAK	95.73	908.418	605.948	10923	74.8	YKL056C
DIGGSSTTDFTNEIINK	60.37	949.952	633.637	8351	58.7	YNL037C
DIICQIISSTITGDVVLAAAYSHELPR	44.44	1471.77	981.515	18231	123.9	YPL131W
DILDVLNLLK	16.34	578.353	385.904	15953	107.8	YIL002W-A
DIYGWTQTSLDDYPIK	32.74	957.96	638.975	11253	76.9	YGL253W
DLAAATAESAPNAAILVISNPVNSTVPIVAQVLK	46.67	1679.43	1119.96	14291	111	YKL085W
DLLATHGNDIQVPESQVK	14.42	982.508	655.341	6548	47.5	YDR214W
DLSSEVVGQMDAIK	41.25	746.372	497.917	10177	70	YLL026W
DNDLIGIAAK	13.57	515.282	343.857	5693	42.2	YNL128W
DPANLPWASLNIDIAIDSTGVFK	50.37	1229.14	819.76	16852	129.3	YJR009C
DPANLPWGSLK	26.73	599.317	399.88	8958	62.4	YJL052W
DPANLPWGSSNVDIAIDSTGVFK	96.48	1202.09	801.732	11201	89.6	YGR192C
DPITIVPAEDGSGAGAAVIAALSEK	28.41	1176.62	784.748	12890	87.4	YFR053C
DQYVPEVSALDLSR	38.57	796.402	531.27	9292	64.5	YML024W
DSSITVAGSSGLSENEIEQMVNDAEK	37.76	1355.62	904.083	10188	82.6	YJR045C
DSYVGDEAQSK	15.19	599.765	400.179	1634	17.4	YFL039C
DTDAEGKPLER	34.75	615.802	410.87	1124	14.3	YOR133W
DTPFTIYDGEAVAK	18.08	763.872	509.584	8435	59.2	YMR314W
DVLIPLGEYFQIQDDYLDCFGTPEQIGK	18.19	1637.29	1091.86	14489	112.4	YJL167W
DVSDGENYTILLNQLDPALCSK	31.21	1233.1	822.4	11543	92	YDR129C
DVTFLNDCVGPEVEAAVK	90.75	981.977	654.987	10845	74.3	YCR012W
DYRPAEETEAQAEPVEA	37.32	952.929	635.622	4637	35.8	YNL178W
EAAAEESEVDAAAR	43.59	709.823	473.551	2516	22.8	YER036C
EAAAEYAQLLAK	39.08	639.34	426.563	7604	54	YPL090C
EDGIIAQAVDDSR	33.63	694.836	463.56	6927	49.8	YBR088C
EDGTTPFVAIWK	23.13	682.348	455.235	10540	72.4	YKL056C
EDLYQTFAR	30.7	571.777	381.521	7381	52.6	YOR133W
EDTVSWFK	27.69	506.243	337.831	7676	54.5	YGR085C
EEAAPKPPSSAVFSMFGGK	18.59	968.977	646.321	9281	64.4	YDR002W
EEIAALIVNYFSSIVEK	19.24	963.017	642.347	18311	124.6	YOR007C
EEQNIADGVEQK	23.12	680.323	453.884	2444	22.4	YOL109W
EETLNPIIQDTK	30.15	700.867	467.58	6106	44.8	YBR011C
EETYYQESAGVADLITTCAGGR	88.21	1196.04	797.697	8855	73.4	YDL022W
EFDETIFNLPK	36	676.84	451.563	10637	73	YKL182W
EFLSNSFAEEPEAKPEVAEEEKPQTAISMNDEDDA	28.43	1948.86	1299.58	7089	60.7	YIL041W
EFQIIDTLLPGLQDEVMNIKPVQK	35.46	1384.75	923.502	14606	98.7	YGL123W
EGALLTDEVDLENVDASK	54.37	959.468	639.981	9061	63.1	YLR257W
EGFQIPTNLDAAAAGTSQAR	23	1009.5	673.336	7500	63.7	YHR143W-A
EGGLGPINIPLLADTNHSLSR	13.3	1087.58	725.39	11395	77.8	YML028W
EGIPAGWQGLDNGPESR	38.55	891.924	594.952	7878	55.7	YCR012W
EGPTIYYVDSDGTR	15.92	786.862	524.911	6064	44.5	YPR103W
EGTVPTDLDQETGLAR	23.12	851.418	567.948	6413	46.7	YGL187C

EHAPYTDELEEDVYLDPLAR	19.43	1188.06	792.373	10595	72.7	YPL231W
EHGEPLFSSHMLDLSEETDEENISTCVK	20.76	1617.22	1078.48	9639	66.7	YKL060C
EIADMGVECIVAGAGVGELALHYLNR	13.96	1379.19	919.795	14824	100.2	YJL008C
EIGDFEDLSTENEK	49.55	813.362	542.577	7180	51.4	YLL018C
EIGEDNVFLFGNLSENVEELR	27.07	1212.09	808.396	11791	93.7	YPR160W
EILENEYQELTSFDEYVAELDSK	33.79	1382.64	922.096	12980	101.9	YPR036W
EILGTAQSVGCR	45.69	645.827	430.887	4018	32	YEL054C
EISEDGADSLNVAMDCISEAFGFER	51.89	1381.6	921.402	14423	111.9	YOR007C
EITALAPSSMK	16.61	574.305	383.206	5111	38.7	YFL039C
EKPETLVLFDVDGTLTPAR	18.48	1051.06	701.044	10569	72.5	YFL045C
ELAEEGYSGVEVR	66.77	719.346	479.9	5154	38.9	YNL178W
ELASQSFINWLGEEK	34.98	875.936	584.293	12259	83.3	YFL045C
ELEDFAFPDTPTIVK	19	861.435	574.626	10793	74	YBR221C
ELGIHTRPVLLGPVSYLFLGK	13.94	1155.17	770.451	12928	87.7	YER091C
ELGLTVVTDEAIEQMR	75.64	902.461	601.977	11805	80.4	YLR359W
ELIHQNEVPLVLLSSGVGVTPLLAMLEEQVK	53.18	1678.43	1119.29	15723	121.1	YGR234W
ELISNASDALDK	53.1	638.325	425.886	5367	40.3	YMR186W
ELMQQIENFEK	39.88	704.842	470.231	9065	63.1	YGL253W
ELNPDITDETNEGK	15.72	787.863	525.578	4094	32.5	YGR162W
ELPGVAFLSEK	37.94	595.327	397.22	9963	68.7	YCR012W
ELPIEIVALINDTVGTLIASYYTDPETK	14.22	1539.81	1026.88	16877	129.5	YFR053C
ELQDIANPIMSK	24.8	679.853	453.571	6015	44.2	YAL005C
ELQEVANPIMSK	33.3	679.853	453.571	6015	44.2	YLL024C
ELSASLNLPAAASFK	69.12	759.912	506.944	9537	66.1	YMR120C
EMIQEVIVEEDLEPFEASK	95.36	1118.04	745.696	10899	87.5	YPL231W
ENTLLGEFDLK	30.96	639.832	426.891	10653	73.1	YNL209W
EQAANLIAAGADGLR	58.33	735.389	490.595	7825	55.4	YLR432W
EQDVPLIVPVVNPEHLDIVAQK	21.98	1226.68	818.12	9454	77.5	YDR158W
EQSAQAAQWESVLK	44.01	787.894	525.598	8240	58	YGL105W
ESGDFLAIDLGGTNLR	19.34	839.426	559.953	11005	75.3	YGL253W
ESGNYLAIDLGGTNLR	41.84	846.931	564.957	9549	66.1	YFR053C
ETAEAYLGKPVK	32.22	653.356	435.906	3408	28.3	YJR045C
ETELSLLQSLR	28.96	644.859	430.242	10386	71.4	YCL040W
ETFPILVEEK	15.02	602.827	402.22	8421	59.1	YDL055C
ETGELEELLEPILAN	14.66	835.43	557.289	15333	103.6	YCL035C
ETITEALNLPEANLSEIPSLQDAIQR	30.3	1433.25	955.833	13801	93.4	YGR061C
ETNPGTDVTVSSVESVLAHL	56.7	1028.02	685.68	13362	104.5	YLR109W
ETSTDPSYDAFLEK	56.09	801.862	534.91	7480	53.3	YLL050C
ETVESESSQTALSK	34.67	748.36	499.242	2315	21.6	YOR133W
EVARPNNYAGALYDPR	14.06	903.45	602.636	5221	39.4	YBR072W
EVQGSTLAQLTSK	68.35	681.367	454.581	5518	41.2	YLR441C
EVQNSTLAQLTSK	63.94	709.878	473.588	5722	42.4	YML063W
EVSDGSGEINIQQFAALLSK	52.98	1053.54	702.695	11863	94.2	YBR109C
EVVEAVTVVDTPPVVVVGVVGYVETPR	13.8	1404.77	936.851	18906	129.2	YOR063W
EVYEGEVTELTPEDAENPLGGYGK	55.13	1298.6	866.069	7857	66.3	YDR190C
EYIALVDQLIAK	38.44	688.395	459.266	11631	79.3	YGR037C
FADGFLIHSGQPVNDFIDTATR	72.11	1211.1	807.733	11152	76.2	YNL178W
FAEQYSDAAFYK	44.03	720.327	480.554	6835	49.3	YGR209C
FAGGDFTTTCEGYIPQTGR	67.34	1039.47	693.314	6158	53.7	YHR020W
FAIPAINVTSSSTAVAALEAAR	129.6	1080.59	720.727	11082	88.8	YKL060C
FASDPGCAFTK	50.62	600.771	400.85	4509	35	YLR109W
FCQEHDILVEAYSPLGPLQK	31.67	1172.59	782.06	10092	69.5	YDL124W
FDAKPAYPGHVQQGGLPSPIDR	17.75	1175.6	784.069	5908	43.6	YMR205C
FDATNTSVCK	22.59	571.761	381.51	2196	20.9	YGR054W
FDDGAGGDNEVQR	38.05	690.295	460.532	2031	19.9	YKL145W
FDDMELDENLLR	59.52	755.348	503.901	10078	69.4	YKR059W
FDDPPEWQEIIK	35.85	758.87	506.249	10349	71.1	YDR091C
FDGSLNVDLNEFQTNLVPYPR	57.93	1219.6	813.404	10836	87.1	YML124C
FDKPFVMDTSYPAR	24.41	837.403	558.605	7161	51.3	YGL253W
FDLALEYGNLDVALDEAK	46.78	998.499	666.002	12615	85.7	YDL145C
FDQYLDAENK	28.46	621.785	414.859	4355	34.1	YLR314C
FDVGALMALHGEGSGEEK	61.74	923.936	616.293	9375	65	YLR441C
FEASQVTEK	38.81	519.759	346.842	2327	21.7	YDL136W
FEDIHPYSVSYSWDK	39.54	936.926	624.953	8226	57.9	YPL106C
FEELCADLFR	67.93	650.306	433.873	10003	69	YAL005C
FEENVSVDDTTATPK	22.67	826.886	551.593	4440	34.6	YOL139C

FEEWIVPILDK	56.58	694.877	463.587	12668	86	YHR068W
FELSGIPPAPR	46.21	592.327	395.22	8166	57.5	YAL005C
FENELDSFFTLFR	18.97	832.901	555.603	15794	106.7	YKL035W
FEQASESEPTTVSYEIAGNSPNAER	27.48	1357.11	905.079	6757	48.8	YJR104C
FEQVPDSLDDQIFVCEK	34.26	1034.98	690.323	8116	68.1	YDL097C
FGDFGGQYVPEALHACLR	50.61	1018.99	679.66	9936	68.5	YGL026C
FGDPETQAVLSLLDDQTDLAQVFLAAAEHR	45.53	1635.82	1090.88	18237	124	YGL234W
FHAAQLPTETLEVETQPGVLCSR	36.48	1292.15	861.767	8870	61.9	YCL030C
FIETYVQQVNPSK	45	776.904	518.272	6622	47.9	YGL206C
FISEVENTDPTQER	54.89	832.892	555.597	4635	35.8	YKL085W
FNDTVNQLLEK	48.79	660.843	440.898	7777	55.1	YHR108W
FNNQFEPCAGNITNYLLEK	13.89	1136.54	758.028	9541	78.1	YMR109W
FNVEYFAK	24.68	509.256	339.84	7765	55	YLR448W
FPGWDFETEEIDPELLR	75.21	1047	698.334	11789	93.7	YPL131W
FPILTQEDLFSTIEK	14.6	890.972	594.317	12669	86	YDR129C
FQPGTSNETPEETYQR	40.85	942.424	628.618	3716	30.1	YOR027W
FQPQDSTTNPSLILAAAK	58.38	951.502	634.67	8634	60.4	YLR354C
FQYIAISQSDADSESCK	37.15	974.933	650.291	6716	48.5	YLR109W
FSAETLSELIR	43.32	633.34	422.563	11020	75.4	YKL182W
FSDALNDANECVK	74.64	741.83	494.889	4627	35.7	YOR027W
FSEAAFLGSTYGLGDDAVNDIVTK	34.7	1245.61	830.739	10886	87.4	YGL137W
FSEFLTTLLYDEIVSTK	16.11	1003.52	669.35	15908	107.5	YNL117W
FSSILDSIDVDQPEWSELTSVEEAK	38.23	1412.67	942.119	12127	96	YJR109C
FSVSPVVQVAVEVK	46.74	744.427	496.62	9907	68.4	YOR133W
FSYGQDLETYYQTGPGYDVVR	53.67	1229.56	820.045	8438	70.4	YAR071W
FTGCNVIGLNNNDYQIAK	51.39	1020.99	680.998	6636	57.3	YML008C
FTIEEVGAPTSSEEGDITMR	35.54	1085	723.672	7125	61	YJL080C
FTLEVVDAVVDAIGPEK	22.81	901.483	601.324	14673	99.2	YHR179W
FTVSAIYSDLPQQER	50.67	877.441	585.297	9389	65.1	YKR059W
FTYVTENTDPK	21.06	657.814	438.879	3926	31.4	YDR188W
FVEPIDDCPAGNIIGLVGIDQFLLK	32.63	1372.22	915.151	16505	111.6	YOR133W
FVQGLLQNAAANAEAK	84.84	822.939	548.962	7890	55.8	YJL177W
FYDILGVPVTATDVEIK	16.13	940.506	627.34	12541	85.2	YNL064C
GAAGIWTCSCCK	41.09	685.786	457.526	4644	35.8	YPR043W
GAAYVLGAGQVVYFGSVGK	21.17	921.991	614.996	10507	72.1	YJR105W
GAGSIFTSHTR	42.36	567.289	378.528	2905	25.2	YIL018W
GAIVGPDLAVLALVIVK	47.8	824.524	550.018	16273	110	YPL090C
GALATYGLTIDDLGVASFHGTSTK	33.92	1198.11	799.076	10987	75.2	YPL231W
GASDGGLYVPHSENR	46.4	779.866	520.246	3125	26.5	YPL131W
GATLVVGGDGR	41.03	501.272	334.517	2826	24.7	YMR105C
GATQNNLDDIER	40.48	673.321	449.216	3545	29.1	YJL008C
GATYGKPTNQGVNELK	24.16	838.934	559.625	2438	22.4	YLR029C
GCFDEEGYQK	25.66	616.748	411.501	3016	25.9	YHR068W
GDAIHATSSSSISK	15.5	680.839	454.228	1284	15.3	YDR238C
GDIPGVVAFFGGLVAQEVLK	30.29	1008.56	672.71	16804	129	YKL210W
GDLGIEIPAPEVLAVQK	31.5	874.993	583.665	11140	76.2	YAL038W
GDTYVSIQGFK	28.02	607.806	405.54	7107	51	YAL038W
GDVEEYQYLR	53.29	636.299	424.535	5837	43.1	YBR126C
GEALLVVLVSSVTEANIIK	67.14	978.075	652.386	17488	118.5	YOR369C
GEEILSGAQR	16.92	530.275	353.852	2926	25.3	YLL018C
GEELINPISDLMQDADR	39.41	958.457	639.307	12756	86.6	YGL037C
GEIGPFASPK	30.41	501.766	334.847	5419	40.6	YLR153C
GELTMNLPK	28.58	501.768	334.848	5419	40.6	YJR046W
GEQINIPLLPGEQTGPLAK	63.56	988.047	659.033	10510	72.2	YJR148W
GFDIPNVEGHDVVPLLQNEISK	48.69	1210.63	807.42	11518	78.6	YFR053C
GFDQSLAQSLDTITSK	46.75	855.931	570.956	10860	74.4	YKL157W
GFDQTLAQALDTIR	55.85	774.904	516.939	12652	85.9	YHR047C
GFEIGSGFQGVSVPGSK	36.1	826.918	551.614	9420	65.3	YGL148W
GFEVHWAEYNK	42.1	690.323	460.551	6974	50.1	YGR240C
GFFSFATQK	30.61	516.761	344.843	8995	62.7	YER091C
GFGFVCFSTPEEATK	53.67	838.885	559.592	10181	70.1	YER165W
GFLESLIQLHQQK	18.44	770.928	514.288	10554	72.4	YGR061C
GFLSDLPDFEK	38.68	634.314	423.212	11223	76.7	YLR340W
GFPGLIPPNSTLVFDVELLK	26.21	1078.6	719.405	13578	106	YNL135C
GGDEAAIAASNQDLK	29.28	730.355	487.239	3570	29.3	YMR012W
GGIPLVFPVFGK	17.1	615.866	410.913	12758	86.6	YMR099C

GGLTYNDFLVLPGLVDFPSSEVSLQTK	35.45	1448.75	966.171	13870	108.1	YLR432W
GGSLGDAGGASDR	29.44	560.255	373.839	1194	14.7	YDL126C
GGTLISYDGQVR	30.76	633.328	422.554	5558	41.4	YKL035W
GGVEAQQAENEEK	73.72	694.818	463.548	1131	14.4	YOR184W
GGYFDSIGIIR	38.06	599.317	399.88	9851	68	YNL241C
GGYPAPQGPYYCGVGAGK	40.19	899.914	600.279	5773	42.7	YPR035W
GIDVQQVSLVINYDLPANK	88.19	1043.56	696.044	9614	78.6	YKR059W
GIEAAGGSADIYQVEETLSPEVVK	15.97	1231.62	821.415	9243	76	YDR032C
GINSSYAVWNDVTGK	70.44	805.894	537.598	8887	62	YLR355C
GISELGIYPAVDPLDSK	38.72	887.467	591.98	10683	73.3	YJR121W
GISNEGQNASIK	61.52	609.31	406.542	1621	17.4	YKL060C
GLEVLQTIDR	18.5	572.322	381.884	8219	57.8	YIL137C
GLFGNTFVDLGDEFTVLDPTGEEPR	54.24	1363.15	909.105	13536	105.8	YKL210W
GLGGILLNPITGR	30.71	640.888	427.594	10623	72.9	YEL047C
GLGNPLLYDGVER	27.43	701.87	468.249	8384	58.9	YPR191W
GLIAGGGAPEIEISR	47.22	720.396	480.6	7705	54.6	YDL143W
GLILVGGYGTR	49.37	553.322	369.217	7648	54.3	YDL055C
GLINDPDVNNTFNINK	76.53	894.45	596.636	8455	59.3	YBR249C
GLLGLSLVEAK	49.13	550.34	367.229	10393	71.4	YGL068W
GLLVPTQTTDQELQHLR	14.22	975.026	650.353	8114	57.2	YPR016C
GLNINENADFIEK	44.78	738.87	492.916	7527	53.5	YNL189W
GLPESAVQAGQETR	26.95	721.865	481.579	3831	30.9	YBL076C
GLQTVVVEEDA	14.57	580.296	387.2	6713	48.5	YDL075W
GLSAVAQAESMK	68.51	596.306	397.873	5193	39.2	YNL178W
GLSVVDTYAILSNK	78.08	740.406	493.94	10182	70.1	YJL167W
GLTPSQIGVLLR	56.53	627.382	418.591	10000	68.9	YDR064W
GLVSDPAGSDALNVLK	41.09	778.42	519.282	8923	62.2	YML126C
GMDIAYEEAALGYK	62.69	765.861	510.91	9127	63.5	YPR062W
GMGLLTAIVIDPSK	55.57	707.902	472.271	11788	80.3	YLR438W
GNLAAFVEQKPEAK	38.14	751.404	501.272	5545	41.3	YPL226W
GNPTVEVELTTEK	83.97	708.864	472.912	5470	40.9	YGR254W
GNQLNANTELER	19.24	679.837	453.56	3305	27.6	YER125W
GNVGFVFTNEPLTEIK	29.78	882.962	588.977	10985	75.2	YLR340W
GNWGKPGDEINDLIDSGEIK	40.8	1079.03	719.687	10223	70.3	YLR327C
GNYPINAVTTMAETAVIAEQAIAYLPNYDDMR	45.94	1758.34	1172.57	16828	129.1	YAL038W
GPLVVYAEDNGIVK	66.49	737.401	491.936	8034	56.7	YDR012W
GQCLATLLGHNDWVSQVR	58.25	1027.52	685.346	8367	69.9	YMR116C
GQDYVPAFDVAPDWESYDYAK	14.24	1218.54	812.694	9886	80.5	YPL048W
GQHLADILNSASR	33.86	691.363	461.244	5961	43.9	YOR007C
GQNDDDLIR	28.98	523.249	349.168	2833	24.8	YGL206C
GQTYSPAQIGGFVLNK	50.78	840.441	560.63	9527	66	YJR045C
GQVVSEEQRPGTPLFTVK	60.46	986.528	658.021	6308	46	YOR133W
GRPYTGWVDSK	22.87	633.317	422.547	3828	30.8	YPL231W
GSGCVPINNLMEDAATAEVSR	23.93	1096.01	731.009	8528	71	YNL117W
GSIDEQHPR	58.58	519.752	346.837	864	12.7	YLR044C
GSIDITTTNSYEK	35.29	714.846	476.9	4447	34.6	YLR259C
GSKPGQQVDLEENEIR	19.58	899.95	600.302	3890	31.2	YER133W
GSPFQCNIGVGQVIK	75.29	802.417	535.28	8333	58.5	YNL135C
GSSSLYTLVINDAGK	56.61	762.899	508.935	9605	66.5	YLR325C
GSTLIVVPFNQGSK	19.36	723.901	482.937	8553	59.9	YPL231W
GTDYDFYEAWGPVFEAEAR	60.17	1111.99	741.66	11627	92.6	YGR285C
GTGLMSANNIIAEGIEK	63.21	859.443	573.298	9528	66	YPL231W
GTISAEEYEK	22.95	563.767	376.18	2797	24.6	YER091C
GTITWIAPAGEYTLDEK	62.17	932.97	622.316	10053	69.3	YDL185W
GTLEGHNGWVTSLATSAGQPNLLLSASR	36.42	1419.23	946.489	10980	75.2	YMR116C
GTVVDIPSLIQAVK	18.83	720.427	480.62	11785	80.3	YIL074C
GTYAAVSPEK	21.39	511.761	341.51	1844	18.7	YGL202W
GVAINFVTNEDVGAMR	48.61	846.922	564.951	9030	62.9	YKR059W
GVETLAEAVAATLGPK	49.73	763.925	509.619	13269	89.9	YLR259C
GVEVVLPVDFIIADAFSADANTK	99.27	1196.13	797.753	15385	118.7	YCR012W
GVFGYGFEEPSAIQQR	89.02	892.934	595.625	9364	65	YKR059W
GVIFYESHGK	35.61	568.79	379.529	3666	29.8	YOL086C
GVILYGPPGTGK	15.05	579.829	386.889	5732	42.5	YGL048C
GVLESISDSLSSKPHNFEDCIK	35.86	1231.6	821.4	9569	66.3	YKL210W
GVLGYTEDAVVSSDFLGDSHSSIFDASAGIQLSPK	66.13	1785.37	1190.58	15646	120.6	YGR192C
GVLGYTEDAVVSSDFLGDSNSSIFDAAAGIQLSPK	16.89	1765.86	1177.58	15973	122.9	YJR009C

GVLGYTEDAVVSSDFLGDTHASIFDASAGIQLSPK	23.86	1784.38	1189.92	19021	151.7	YJL052W
GVLLAADLGGTNFR	59.58	702.386	468.593	9465	65.6	YCL040W
GVLLYGPPGTGK	15.05	579.829	386.889	5732	42.5	YDR394W
GVLSCDLVGFHTYDYAR	23.69	986.965	658.312	9249	64.3	YBR126C
GVLVVPGSWFK	25.41	594.842	396.897	11260	76.9	YGL202W
GVMNAVNNVNNVIAAAFVK	94.92	973.02	649.016	13201	89.5	YHR174W
GVNLPGTDVDLPALSEK	65.62	862.957	575.64	10145	69.9	YAL038W
GVPYVVTHDGR	35.86	600.312	400.544	3179	26.9	YJR145C
GVTDDTGPLLSWINVVDAFK	59.76	1074.05	716.372	15403	118.8	YFR044C
GVVDSEDLPLNLSR	40.94	757.396	505.267	8688	60.8	YMR186W
GWGEAAHQPADFTWAPSLAVPK	30.1	1168.58	779.387	8595	71.5	YPL028W
GWTGQYTLDCNTR	14.61	786.349	524.568	6326	46.1	YPL154C
GYDSTGIAIDGDEADSTFIYK	46.54	1119.51	746.674	7694	65.1	YKL104C
GYLADDIDADSLEDIYTSAHEAIR	79.45	1327.12	885.08	10270	83.2	YPL131W
GYLRPETAQGQFLNFNK	27.89	992.008	661.674	7947	56.1	YBR121C
GYSDVCDIFTEDELVR	96.68	959.43	639.956	11053	75.6	YBR092C
GYSFSTTAER	20.41	559.759	373.509	3848	31	YFL039C
GYTCQFVDMVLPNTALK	22.66	978.981	652.99	11682	79.6	YKL182W
GYWGTNLGQPHSLATK	19.22	865.436	577.293	6417	46.7	YGL123W
HDLVDYLIDQIELR	19.16	871.46	581.309	15098	102	YOL090W
HDWIVLDVPLTR	19.85	732.404	488.605	14795	100	YHR035W
HELSSLADVYINDAFGTAHR	48.9	1108.54	739.363	10395	71.4	YCR012W
HFIDELNK	25.01	508.264	339.178	3757	30.4	YFR053C
HGENSLLSSGTSQDSLR	56.11	894.43	596.622	4202	33.1	YGR240C
HGIPLISIEELAQYLK	21.95	912.517	608.68	14346	97	YDR487C
HGIPVVVDNTFGAGGYFCQPIK	15.73	1188.59	792.732	10074	69.4	YLR303W
HGLVGLESLLK	24.12	583.351	389.236	9237	64.2	YCL030C
HIDASGSINR	21.87	535.273	357.184	1135	14.4	YOL121C
HIDDFYDSYNK	23.19	708.807	472.874	5160	39	YGR167W
HIDFAPTSPFGGARPGR	13.13	891.955	594.973	6385	46.5	YPL081W
HIDTGMGFER	18.32	581.769	388.182	3709	30.1	YOR335C
HIEPALAFQLELGR	22.57	797.441	531.963	9931	68.5	YNR016C
HIGGNDDLQELR	40.5	683.839	456.228	3872	31.1	YCL035C
HITINDLPVGR	42.47	617.849	412.235	5810	42.9	YML028W
HIYQSAAAGLK	21.45	579.817	386.88	2166	20.7	YOR374W
HLEDNTLLISGPFK	53.52	792.425	528.619	8708	60.9	YML073C
HLEDNTLLVTGPFK	48.61	792.425	528.619	8708	60.9	YLR448W
HLEGISDADIAK	19.63	634.828	423.554	4081	32.4	YKL152C
HLGSLFSDAVQTASVQWFER	26.98	1139.57	760.047	11361	90.7	YLR359W
HLGVVGECNIQYALNPVSK	19.53	1049.54	700.03	8119	57.2	YJL130C
HLTTPFQLSSEVLSHIEIDDSTGLR	35.38	1398.21	932.478	13400	90.8	YCL040W
HMVFYNSGPASGSSLDHK	40.68	967.447	645.3	4196	33.1	YCL050C
HNDPFYFEK	17.75	598.772	399.517	5516	41.2	YGL148W
HNLEFINILTDDGLLNEECGPEWQGMK	23.29	1586.74	1058.16	12126	96	YGR094W
HNVLLIVDEIQTGIGR	32.26	889.002	593.004	11548	78.8	YLR438W
HSEFVAYPIQLLVTK	36.42	872.985	582.326	11163	76.3	YMR186W
HSEFVAYPIQLVVTK	31.43	865.977	577.654	9792	67.6	YPL240C
HSGNIQLDEIIEIAR	72.88	854.455	569.972	10239	70.4	YEL054C
HTLDIINVLTDQNPIQVVVDAITNTGPR	74.48	1528.82	1019.55	18684	127.4	YJR123W
HVSPAGAAVGIPLSDVEK	72.05	873.973	582.984	6682	48.3	YMR120C
HVVFGEVVDGYDIVK	70.17	838.438	559.294	8900	62.1	YDR155C
HWGGGILGNK	29.77	519.778	346.854	4414	34.4	YHL033C
HWNAIDESTR	36.52	614.789	410.195	2834	24.8	YER110C
IADATEDLQNDSASR	26	803.371	535.917	3281	27.5	YDR091C
IADISLAAFGR	37.38	567.319	378.549	9503	65.8	YER043C
IAEFSAISFPYGAK	43.38	750.89	500.929	10315	70.9	YPL160W
IAFADAGDTVEDANFDESNANAAILR	53.39	1355.63	904.091	8384	70	YPL160W
IAGVVYHPSNNELVR	21.92	834.447	556.634	5073	38.5	YBL072C
IATSQEAIDQYNAQATGDR	15.08	1026.49	684.659	3906	37	YBR269C
ICDQVSDAILDACLAEDPHSK	28.66	1179.04	786.363	8978	62.6	YLR180W
ICLPTFDPEELITLIGK	22.26	980.029	653.688	16613	112.3	YJR148W
IDIDVLAPLSSFAATAHK	35.06	935.009	623.675	12590	85.5	YLR359W
IDQSFESLGENLSALSR	44.41	933.466	622.646	11052	75.6	YKL193C
IDVAVDSTGVFK	37.53	625.835	417.559	7579	53.9	YJL052W
IEAALSDALAALQIEDPSADELR	16.58	1206.12	804.415	11994	95.1	YDL229W
IEALEFADDAAK	55.8	646.822	431.55	7669	54.4	YPL160W

IEDDPFENLEDTDDIFQK	80.32	1091.99	728.327	10151	82.3	YFR053C
IEELQYDSTLSLPSSEFSK	50.26	1087.03	725.023	8210	68.8	YBR088C
IEEVIDLILR	69.96	606.864	404.911	12549	85.2	YHR087W
IEFGAASDGDGDR	57.68	655.286	437.193	3854	31	YMR105C
IEGVATPQDAQFYLGK	26.31	868.946	579.633	8526	59.8	YPL143W
IENQQGVNNFDEILK	47.25	880.944	587.632	8549	59.9	YAL038W
IEQELGTEIAAIPATIDK	40.18	956.517	638.014	10429	71.6	YDL160C
IEQLHPFPFAQLR	26.14	798.438	532.628	9619	66.6	YIL125W
IEQLYHEYEESIAK	30.15	876.428	584.621	6760	48.8	YJL167W
IEQNRPDDGVY	14.13	653.307	435.874	2757	24.3	YDR070C
IESSVESQFSAGR	64.97	698.839	466.228	4695	36.2	YBL072C
IFEGIPPPYDK	28.95	638.335	425.892	7357	52.5	YNL069C
IFESILNSPSSK	19.87	661.354	441.238	9118	63.4	YJL080C
IFVLDEADNMLDQQGLGDQCIR	20.34	1275.6	850.737	10573	85.3	YOR046C
IGCVLAQCLFDEDIVNEIAEHNAFFTK	24.45	1577.25	1051.84	13434	105	YPR041W
IGDENLTDIINTR	31.97	737.381	491.923	8909	62.1	YOL059W
IGEFESSFLSYLK	15.77	760.388	507.261	12837	87.1	YBL099W
IGGIGTVPVGR	43.72	513.309	342.542	4965	37.8	YPR080W
IGGLLKPSELDD	19.69	628.84	419.563	7131	51.1	YGR218W
IGICYEPPSVIPSSELANVDR	30.67	1158.58	772.723	8659	72	YML124C
IGLDCASSEFFK	64.05	687.324	458.552	9261	64.3	YGR254W
IGPDVVIGPNVTIGDGVR	53.27	889.494	593.332	9400	65.2	YDL055C
IGPQGALLGCDAAGQIVK	74.3	884.475	589.986	8289	58.3	YNL134C
IGQEVDGEAVGDEFK	57.76	796.876	531.586	6285	45.9	YPL090C
IGSEVYHNLK	38.09	580.309	387.208	2692	23.9	YGR254W
IGSLDTLIVESEELSK	15.69	866.964	578.312	12427	84.4	YKL080W
IHLEGSEAPQEPK	43.99	717.865	478.912	2618	23.5	YGL245W
IHPIGELSSEEEEMLQK	54.81	984.983	656.991	8067	56.9	YKL085W
IHQYLFQEGVVVAK	63.03	815.951	544.303	7288	52.1	YMR230W
IIAAIPNPEDVVAISSR	32.51	882.996	589	10704	73.4	YLR048W
IIDDDVPTILQGAK	46.48	749.412	499.943	8785	61.4	YLL026W
IIEEEQEDDALVQDLLK	56.88	1000.51	667.34	10092	81.9	YHR108W
IIEIDHDASLPSQYQK	23.12	928.973	619.651	6075	44.6	YGL206C
IIEILQGLNETSTNAYR	32.62	968.013	645.678	10530	72.3	YKL080W
IIEVTLDALENILK	31.08	792.466	528.647	15114	102.1	YNL189W
IIFGTQSDAFQEDR	57.09	813.892	542.93	7728	54.8	YLR027C
IINEPTAAAIAYGLDK	26.91	830.451	553.97	9351	64.9	YAL005C
IINEPTAAAIAYGLGAGK	83.49	865.478	577.321	9966	68.7	YNL209W
IINIEFVDDDWWLGELEK	30.57	1117.55	745.372	13706	106.9	YCR088W
IITEAVEIEK	17.9	572.827	382.22	5355	40.2	YGR180C
IIVDAYGGASSVGGGAFSGK	106.29	906.96	604.976	7646	54.3	YLR180W
IIVHTDTEPLINAAFLK	24.07	948.035	632.359	9993	68.9	YGR234W
IIYVDDGVLSFQVLEVVDDK	86.1	1133.6	756.067	17212	131.9	YAL038W
ILDSALVTAAQLAK	65.5	707.419	471.949	9777	67.6	YLL026W
ILEGIIGANFVGFQTK	30.35	853.977	569.654	12115	82.4	YMR216C
ILEQFEYVLYPSK	13.19	814.932	543.624	11191	76.5	YPL231W
ILNHMIETGAEYIMELTDK	44.13	1111.05	741.034	14132	95.6	YKL035W
ILPEPTEGFAADDEPTTPAELVGK	21.66	1249.12	833.083	8135	68.2	YKL182W
ILSQAPSELELQVAK	33.16	813.459	542.642	7974	56.3	YNL096C
ILTGTVVSTK	34.3	509.811	340.21	3478	28.7	YDR025W
ILVTPEYEK	23.53	546.303	364.538	4608	35.6	YPR041W
INAGLYILNPEVIDLIEMKPTSIEK	30.96	1407.27	938.517	14764	99.8	YDL055C
INELTLLVQK	63.79	585.858	390.908	8861	61.8	YNL178W
INHEDGFIETTELLNIYDSEDPQQVFDER	24.52	1733.8	1156.2	11315	90.4	YER021W
INLPCVNPTTGEVQTDFHTLR	23.84	1206.6	804.737	9240	64.2	YGL087C
INNALAQVLLAK	53.82	634.39	423.263	10054	69.3	YGL026C
INNPAIDTVTLNTVDTDIHSAK	20.9	1176.61	784.74	8843	61.7	YKL157W
IPALGLGTANPHEK	55.73	709.393	473.265	4894	37.4	YBR149W
IPAWFLNR	49.59	508.787	339.527	9600	66.4	YML026C
IPDDLLDDENVTSDDLFGFLAR	92.4	1240.59	827.399	13471	105.3	YCL040W
IPEIPLVVSTDLESIQK	40.44	941.033	627.691	12799	86.8	YDR012W
IPGGDVLDSR	15.32	514.772	343.517	4811	36.9	YJL014W
IPQQQPAPAEITPSYALGK	50.25	1005.04	670.362	5675	50	YLL026W
IPVGYSSNDDEDTR	27.78	784.347	523.234	3121	26.5	YMR307W
IPVLEQELVR	26.08	598.356	399.24	8468	59.4	YPL004C
IPVLGHADGICSIYLDEDADLIK	20.32	1264.14	843.096	11334	77.4	YOR323C

Peptide						Gene
IPYPLENENTLSYR	26.93	854.931	570.29	8319	58.5	YER080W
IQDINANNVGALEELTLDILR	24.69	1162.63	775.42	14525	112.6	YDR238C
IQEPVFLVEIQCPEQAVGGIYSVLNK	73.1	1465.77	977.516	15511	104.8	YOR133W
IQGPNYVPGK	21.1	536.793	358.198	3273	27.4	YOR133W
IQNFGYNFDTNTADELIK	15.5	1052.01	701.672	8641	71.8	YDR293C
IQQDTLIQTK	44.72	594.335	396.559	3485	28.7	YIL041W
IQQGTDLAEVAPILCAGVTVYK	34.24	1173.62	782.751	11943	81.3	YMR083W
ISDDILSVLDSHLIPSATTGESK	29.24	1199.62	800.083	12852	87.2	YDR099W
ISGLESNTTLSEALK	41.01	781.917	521.614	7822	55.4	YDL195W
ISGVEVESPTSFPVQSLIPKPLESVK	36.04	1384.26	923.176	11985	81.6	YJR139C
ISHVSTGGGASLELLEGK	75.84	877.968	585.648	6866	49.5	YCR012W
ISIFEAVHGSAPDIAGQDK	24.78	977.997	652.334	8798	61.4	YOR136W
ISNEQYER	19.8	519.746	346.833	1242	15	YMR205C
ISSIQDILPALEISNQSR	15.78	992.539	662.028	12235	83.2	YLR259C
ISSTIVAQSAK	22.84	552.817	368.88	2582	23.2	YNR016C
ISVGIEDTDDLLEDIK	32.35	887.951	592.303	11733	80	YAL012W
ISYISDESK	22.33	521.259	347.841	2966	25.6	YLR354C
ITDEEASYK	31.36	528.248	352.501	1607	17.3	YJR145C
ITEKPELINDILLECGFPNTSGQKPNEYNY	37.16	1748.85	1166.24	10175	82.5	YCL050C
ITGMILDLPPQEVFPLLESDELFEQHYK	25.86	1651.34	1101.23	13926	108.5	YER165W
ITSTDPNADYGK	58.89	641.301	427.87	1735	18	YNR001C
ITTIEEIFLHSLPVK	62	870.501	580.67	13623	92.3	YGL123W
IVAGQVDTDEAGYIK	50.86	789.904	526.938	5642	41.9	YDR353W
IVAVTGTEAFEAQR	50.22	746.394	497.932	6208	45.4	YOR335C
IVDLEQSSEFASLFPLK	80.56	962.009	641.675	13488	91.4	YKL081W
IVDVVGTLSR	42.01	529.814	353.545	6868	49.5	YKL182W
IVELDHLTITGNVFLGK	29.59	935.028	623.687	11164	76.3	YKL035W
IVEQLADYLIGVQY	23.07	812.435	541.959	14137	95.6	YOR122C
IVNEEFDQLEEDTPVYK	51.69	1034.49	689.997	7506	63.7	YLR200W
IVPAEDGSGAGAAVIAALAQK	104.34	955.023	637.018	10582	72.6	YGL253W
IVQDISQLTLLETSSLINELK	14.02	1179.16	786.444	13939	108.6	YGL068W
IVSNASCTTNCLAPLAK	85.61	910.456	607.306	5587	41.6	YGR192C
IVTEAVEIEQR	47.51	643.851	429.57	4834	37	YJL026W
IVVEYIAAIGADLIDER	27.86	930.509	620.675	15612	105.5	YLR249W
IYPTYDFCVPIVDAIEGVTHALR	14.8	1325.17	883.784	17066	115.5	YGL245W
IYTISETPEALPILLEDASR	59.73	1116.09	744.398	11909	94.5	YLL018C
KPENAETPSQTSQEATQ	65.39	923.427	615.954	1095	14.1	YML008C
KPLLESGTLGTK	23.62	622.366	415.247	3663	29.8	YKL210W
KPLNPFLGELFVGK	19.14	779.953	520.305	11347	77.5	YPL145C
LAADVPLEPESK	21.71	634.84	423.563	5153	38.9	YDR233C
LADDIPSNSPMAINCEYGSFDNEHLVLPR	38.55	1637.76	1092.18	8779	72.8	YFR053C
LADELESQIDLVSSIEALDNGK	19.67	1180.1	787.067	12008	95.2	YPL061W
LADGLFVNVAK	67.1	573.829	382.889	8329	58.5	YOR136W
LAEELGLVSR	49.71	543.811	362.877	6476	47	YER063W
LAESSIGEAR	36.81	516.77	344.849	2274	21.4	YJR014W
LCDEIATIQSK	42.68	639.324	426.552	4911	37.5	YML024W
LDELTAYFIECMEK	63.55	881.407	587.941	13880	93.9	YDR516C
LDGLIILGGFEGFR	35.67	753.919	502.949	14206	96.1	YGR240C
LDGLSVQELMDSK	56.65	717.861	478.91	9934	68.5	YLR432W
LDIALSTSLPVALVFLPAADIPTFVGEGK	13.62	1477.83	985.554	17882	121.4	YER055C
LDLFPEDLNILGK	19.96	743.911	496.277	13189	89.4	YNL220W
LDNTVAEIEGLEATIENLK	42.35	1036.54	691.363	13442	105.1	YGR094W
LDQLIYVPLPDENAR	70.34	878.467	585.981	10575	72.6	YDL126C
LDQVWGSETVASSK	14.43	753.875	502.919	5861	43.3	YDR012W
LDVDELGDVAQK	70.07	651.333	434.558	7018	50.4	YLR043C
LEETCDDISASNDELFR	57.25	1007.44	671.962	6276	54.6	YJR064W
LESFQAVYNK	22.94	599.809	400.208	5638	41.9	YNL096C
LESYVASIEQTVTDPVLSSK	83.26	1083.56	722.711	10011	81.4	YDL229W
LEVGTETLIDK	25.1	609.335	406.559	6463	47	YML126C
LEVPGYVDIVK	20.82	616.35	411.236	9077	63.2	YOL121C
LFEQEGVSK	24.23	518.769	346.182	3079	26.3	YLR354C
LGANYAPCVLPQLQAASR	46.78	965.004	643.672	9238	64.2	YJR148W
LGECDVIEEIMLGEQPFLK	20.87	1110.55	740.702	13740	107.2	YIL142W
LGEGVNVEQVEGLMSLEQYEK	34.29	1176.08	784.386	10388	84	YAL044C
LGEHNIDVLEGNEQFINAAK	36.91	1106.06	737.706	8611	60.3	gi|136429
LGEMPADQGFPAYLGAK	53.57	882.935	588.959	9406	65.2	YDL185W

LGFTFSYPVDQTSLNSGTLIR	82.97	1158.6	772.734	10374	83.9	YCL040W
LGGEVFIDFTK	60.71	613.327	409.22	9981	68.8	YMR083W
LGGSSLLECVVFGR	23.1	747.393	498.598	12330	83.8	YEL047C
LGGTCLNVGCIPSK	28.73	738.371	492.583	6311	46	YFL018C
LGLEPDTEAR	38.09	550.783	367.524	3846	30.9	YOR335C
LGNPMPMEATQAAPTIK	31.14	885.45	590.636	6985	50.2	YLR179C
LGPEITVAALK	49.59	556.34	371.229	7996	56.4	YER110C
LGQEFADDDGELVSAADIVPIVQEK	50.15	1329.66	886.776	10149	82.3	YPR033C
LGSLVGQDSGYVGGLPK	37.26	823.941	549.63	7832	55.4	YKR048C
LGYSVYEDAQYIGHAFK	22.33	980.976	654.319	10572	72.6	YNR034W-A
LGYTEPDPR	28.01	524.259	349.842	3095	26.4	YJR139C
LHEEYFGEDK	19.19	633.785	422.859	3325	27.8	YNL247W
LIDEYGDDFAK	26.82	643.301	429.203	6379	46.4	YLR259C
LIDLTQFPAFVTPMGK	49.26	889.481	593.323	13341	90.4	YLR044C
LIDVDGKPQIQVEFK	18.05	864.98	576.989	7686	54.5	YAL005C
LIEAFNEIAEDSEQFDK	103.89	999.471	666.649	11439	78.1	YMR186W
LIEAFNEIAEDSEQFEK	53.53	1006.48	671.321	9656	78.9	YPL240C
LIEFGFTDEMIAMPISALSGGWK	39.36	1257.13	838.42	15037	116.3	YLR249W
LIEPYVAYGYPSYSTIR	51.68	996.509	664.675	9996	68.9	YGL076C
LIESSNLEMEIIPNQK	50.32	929.485	619.992	9142	63.6	YKL035W
LINQLAQELGIYSHELELYGHYK	36.95	1366.21	911.141	13284	90	YGR204W
LISDYDADELAEALQPVIVNTPHLK	26.66	1382.72	922.152	13158	89.2	YHR064C
LISETLNDPTEEYLLDMAK	51.7	1098.04	732.364	10047	81.6	YPR160W
LIYNLEDQGGELCSLR	70	940.465	627.312	9427	65.4	YPR033C
LLDTLSDESK	17.66	560.79	374.196	4338	34	YGL195W
LLEMSTEDFVK	51	656.329	437.888	8653	60.5	YOL040C
LLGAQHLIEAGVDALIVCGGDGSLTGADLFR	41.52	1569.82	1046.88	14082	109.6	YMR205C
LLNEATHETSGATEFFASEFNTK	31.34	1272.6	848.734	9955	68.7	YLR178C
LLPWFDGMLEADEAYFK	38.23	1022.99	682.329	14495	112.4	YKL060C
LLTLTNAANVPVENIWADIFAK	45.31	1207.16	805.109	14588	113.1	YDL081C
LLYETALLTSGFSLDEPTSFASR	68.04	1259.64	840.095	11849	94.1	YPL240C
LNDIEDVEK	46.08	537.769	358.849	3525	29	YBR011C
LNELLDAIR	22.16	528.806	352.873	8563	60	YCR084C
LNELTTDLQESQTK	58.92	810.41	540.609	5625	41.8	YBL047C
LNINVIDTPGFGDFIDNSK	14.4	1040.02	693.685	10543	85.1	YCR002C
LNNFNDVSSYNENK	46.36	829.376	553.253	4584	35.5	YGR155W
LNNVFVIGEQGKPYISLPK	26.37	1058.59	706.065	8373	69.9	YJR145C
LNNVSLSSDAFFPFPDNVYR	30.34	1151.56	768.043	10962	88	YLR028C
LNSHDQIIADEYQNTNVPNIYSLGDVVGK	18	1608.79	1072.87	9001	74.4	YPL091W
LNYNTVSGVNGPLVILEK	46.45	965.536	644.026	10757	73.7	YBR127C
LPAASLGDMVMATVK	28.1	752.399	501.935	11338	77.4	YBL087C
LPANLLQAQR	36.72	562.333	375.224	5895	43.5	YHR183W
LPELLQDAVLK	47.92	619.871	413.583	10372	71.3	YHR068W
LPENESLSTVMGILGSGVHR	16.09	1048.54	699.365	12153	82.7	YBR214W
LPETENLSTVIGILGSGVHR	26.3	1046.57	698.051	12457	84.6	YGL056C
LPGIIHIDAAEIYR	46.32	790.943	527.631	9574	66.3	YDL124W
LPIGDLATQFFADR	43.21	782.412	521.944	13190	89.4	YJL111W
LPLIPDQIGVENVDNADFLR	73.88	1119.59	746.73	10772	86.7	YDL190C
LPLTDEQTAEGR	55.29	665.336	443.893	3568	29.2	YHR146W
LPLVGGHEGAGVVVGMGENVK	92.34	1010.04	673.695	18790	149.8	YOL086C
LPTESVPEPK	47.29	548.798	366.201	3597	29.4	YMR242C
LPWSIVPSIK	32.73	570.345	380.566	10764	73.8	YML100W
LQDAPEESYTR	34.37	654.807	436.874	2815	24.7	YCL030C
LQETNPEEVPK	32.21	642.327	428.554	2612	23.4	YKL056C
LQLGQLYESGNPVNDANLLGAEVLIK	23.7	1384.75	923.499	11870	94.2	YBL045C
LQNTDLNELTDETQSILAQIK	62.44	1194.12	796.415	12650	99.6	YFL022C
LSAAQAELAYAETGAHDK	18.27	923.452	615.971	6410	46.6	YDR454C
LSAEEVDFVEIIGGTTR	42.49	918.473	612.651	12705	86.2	YPL106C
LSATSQTAASATPGVAQSR	20.3	902.463	601.978	2882	25.1	YDL226C
LSETVLEDVYNQLPELIGGSADLTPSNLTR	21.45	1622.83	1082.22	14351	111.4	YPR074C
LSEVVELFEVFTPQDGR	25.7	983.002	655.67	14830	100.2	YHR087W
LSFDTQATIEK	55	626.825	418.219	5974	44	YLR354C
LSSESVIEQIVK	68.33	666.374	444.585	9649	66.8	YDR064W
LTADYDALDIANR	96.52	725.862	484.244	7899	55.8	YOL127W
LTAPQDIQISEDGK	24.12	757.888	505.595	5608	41.7	YHL021C
LTIIPDGGVK	13.53	506.805	338.206	7270	52	YIR029W

Peptide						Gene
LTTNLEYTLPESVEILGPQNK	62.29	1180.12	787.085	9739	79.5	YHR064C
LTYEPIDLSSILSDGEEK	42.32	1005	670.337	10881	87.4	YJL080C
LVADGVFYAELNEFFTR	18.77	995.999	664.335	15503	104.8	YNL178W
LVEGLANDPENK	52.45	649.833	433.558	3514	28.9	YOR369C
LVLIANDVDPIELVVFLPALCK	56.98	1226.2	817.803	15910	122.4	YHL033C
LVSWYDNEYGYSTR	52.63	876.897	584.934	8277	58.2	YGR192C
LVTDLSVQQPEVLGEGVDVNEDLIK	26.17	1355.21	903.811	11231	76.8	YKL210W
LWGDSFFNPK	28.65	605.798	404.201	10425	71.6	YOR133W
LWTEFNEDAEPVTTDAIILATGASAK	15.09	1382.19	921.796	13430	91	YDR353W
LYGTDDNTQEVEAVTNK	67.48	948.945	632.966	5323	40	YJR014W
LYQTEPSGIYSSWSAQTIGR	17.64	1122.55	748.703	7706	65.2	YOL038W
MEILCQQR	45.34	539.263	359.844	4133	32.7	YLR058C
MFILDEADEMLSSGFK	79.78	916.926	611.62	14818	100.2	YKR059W
MFTDLFDYFPITALVDNK	33.63	1075.53	717.355	15635	120.5	YDL134C
MFTDLFDYFPVTALVDNK	25.32	1068.52	712.683	14925	115.4	YDL188C
MGTTGVQSSVASDLDELISR	56.94	1033.51	689.34	10435	84.3	YGL026C
MGVPIYGIVAMAATATDK	18.78	904.968	603.648	13877	93.9	YPL231W
MIEIMLPVFDAPQNLVEQAK	76.64	1143.6	762.734	12834	100.9	YLR044C
MIPGAKPLQVGDVVSTTAVIESVVNQPTGK	23.14	1518.33	1012.55	10554	85.1	YKL182W
MPELIPVLSETMWDTK	53.32	945.473	630.651	14156	95.8	YLR249W
MPLVGLGCWK	21.63	580.801	387.537	9970	68.8	YHR104W
MPQTVEWSK	37.67	553.271	369.183	4791	36.7	YLR109W
MSAEGYIDYPTYEEALK	57.27	990.451	660.636	9408	65.2	YHR179W
MSANISETTAMITDIATAPAEIDR	83.82	1261.61	841.409	11616	92.5	YLR044C
MTAEKPDPTLAVICGAATK	15.33	987.505	658.673	6782	48.9	YNR016C
MYEEALWPGWKPFDITAK	31.2	1091.54	728.027	12286	83.5	YGR234W
NAAWLVFANK	63.74	567.309	378.542	9670	66.9	YDL192W
NADELSSYQK	26.39	577.77	385.516	2528	22.9	YMR314W
NAGLALTDTFGTDDFLK	29.39	899.946	600.3	11655	79.5	YOR209C
NAGQICSSGSR	53.43	568.759	379.509	941	13.2	YPL061W
NAGTAEFLVDNQNR	67.22	774.874	516.918	5696	42.3	YBR218C
NAIEEELAK	21.8	508.767	339.513	4928	37.6	YCR053W
NALKPVFQDLYESTK	45.55	876.962	584.977	8899	62.1	YLR355C
NAPAIIFIDEIDSIAPK	20.02	913.999	609.668	15081	101.9	YDL126C
NASNNPNELAASGAALQAR	79.3	934.964	623.645	5265	39.6	YHR064C
NATFPGVQMK	25.63	546.779	364.855	5477	40.9	YLR044C
NAVQNESVSSPIELNFDAVK	52.87	1081.04	721.031	8141	68.3	YPR191W
NAVSTKPTPPPAPEASAESGLSSK	24.41	1162.09	775.064	3735	30.3	YMR205C
NAVWFGGSLLAQTAEFK	38.49	919.975	613.653	12843	87.1	YJR065C
NAVWLVFANK	29.62	581.324	387.885	10680	73.2	YDL137W
NCTPKPTSTTETVAASAVAAVFEQK	37.07	1304.65	870.102	10794	74	YAL038W
NDELGTPFGVTIDFESAK	50.12	970.468	647.314	11847	80.7	YBR121C
NDPTWQGPILAPGLINR	57.78	931.5	621.335	10644	73	YNL117W
NDSLSGAVIAAIMQEAGLR	67.01	958.499	639.335	16132	109	YDR394W
NDVRPEWEDEANAK	16.13	836.882	558.257	3660	29.8	YOL139C
NEAVDATHLAEFHQVEGVLADYNITLGDLIK	15.17	1698.36	1132.58	14920	100.8	YFL022C
NEFSGALSGLTR	28.02	626.32	417.882	8245	58	YIL078W
NENEQVLIEPSVNSVR	22.08	913.966	609.646	6652	48.1	YKL013C
NEQASSVYSTQLLADIISEASK	54.04	1177.59	785.396	14618	98.8	YGR240C
NESMLTFETSQLQGAK	91.31	892.43	595.289	8694	60.8	YER009W
NETNNIDGNFK	53.26	633.291	422.53	3062	26.2	YOR332W
NEVQIPVTFYGYVDRPEGGK	17.73	1134.57	756.715	9607	66.5	YPR160W
NFAEFNSVYAK	42.8	645.312	430.544	7298	52.1	YIL051C
NFLETVELQVGLK	25.58	745.417	497.28	13434	91	YGL135W
NFNDPEVQGDMK	62.51	697.306	465.207	4193	33.1	YLL024C
NGFILDGFPR	52.54	568.298	379.201	10171	70	YDR226W
NGGLGWDLDAIIPFAAIPEQGIELEHIDSK	31.41	1609.82	1073.55	14202	110.4	YPL231W
NGMVVGLGAGQQSR	69.91	687.351	458.57	4605	35.6	YMR120C
NGPVYGVPPQGGFPR	18.99	771.397	514.6	6695	48.4	YER165W
NIAEAQGIVELLLSDYYSVEQK	25.98	1241.64	828.095	17237	116.7	YIL076W
NIDDLSVLMDHVK	51.81	749.882	500.257	10066	69.3	YGR234W
NIEPIDTPISFR	13.52	701.372	467.917	9089	63.3	YDR238C
NIFQSISAK	31.39	504.28	336.522	7120	51	YHR183W
NIGVSNFAVEDLQR	47.75	781.402	521.27	8773	61.3	YDL124W
NIIVATGSEVTPFPGIEIDEEK	27.66	1179.61	786.741	9522	78	YFL018C
NILAESNSSLDNIVK	88.52	808.928	539.621	8669	60.6	YIL051C

NINSETTDEQFQELFAK	56.7	1007.47	671.985	8318	69.6	YER165W
NIPIEVVALINDTTGTLVASYYTDPETK	40.49	1519.28	1013.19	15909	122.4	YGL253W
NIPSFLSTDNIGTR	27.79	767.897	512.267	9092	63.3	YDL185W
NISFTVWDVGGQDR	22.19	797.386	531.927	10482	72	YDL137W
NISSVPDELPDWLIPGSK	19.64	984.01	656.342	12622	85.7	YNL084C
NITLDVSER	19.57	523.777	349.521	5061	38.4	YJL130C
NITWIAECIAQNQR	41.94	858.928	572.954	10362	71.2	YLR447C
NIVEFHSDHMK	37.98	678.822	452.884	2916	25.3	YLR044C
NIYYITGESLK	49.99	650.843	434.231	7512	53.4	YMR186W
NKPDPAIVEK	18.93	555.811	370.877	1290	15.3	YJL026W
NLADNDEYPQLIELTQR	53.7	1016.5	678.004	8504	70.9	YMR250W
NLAGVDYLTISPALLDK	71.84	901.999	601.668	12059	82	YLR354C
NLATLLLTDYIQK	53.28	753.432	502.624	13577	91.9	YDR071C
NLFTGWVDVK	27.89	589.814	393.545	11681	79.6	YKL152C
NLPDMIEELDLHED	38.06	841.882	561.591	12035	81.9	YDL022W
NLQYYDISAK	34.11	607.806	405.54	5805	42.9	YOR185C
NLTEEVWAVK	15.19	594.817	396.88	8141	57.3	YLR249W
NLTEQAIIDLTVATIAIK	14.95	964.059	643.042	16060	108.6	YMR120C
NLVWEYESVVQYR	29.6	842.92	562.282	10915	74.7	YMR079W
NLYVGQEDNEMTIPTCSR	15.56	1063.98	709.654	5903	51.7	YGR094W
NMITGTSQADCAILIIAGGVGEFEAGISK	93.16	1462.23	975.156	17072	115.5	YPR080W
NNDDGELGFLILDAVLCK	90.55	1003.5	669.335	14960	115.7	YJL173C
NNDISFEIGK	15.77	568.783	379.524	6495	47.2	YMR012W
NNLNTENPLWDAIVGLGFLK	37.46	1114.59	743.395	17805	120.8	YDL185W
NNLWDDDVLAR	19.87	665.823	444.218	9043	63	YGR155W
NNQFLNPDNITYIFTSPR	33.32	1077.53	718.692	11149	89.2	YKR043C
NNSELLANLGNFVNR	71.98	837.932	558.957	11158	76.3	YGR264C
NNYDGDTVTFSPTGR	48.25	822.368	548.581	5591	41.6	YMR314W
NNYIGPGPPK	13.09	528.777	352.854	2811	24.6	YLR179C
NPHDIIEGINAGEIEIPEN	54.6	1037.51	692.008	8498	70.8	YEL054C
NPLFSYVEPVLVASAK	52.32	867.477	578.654	12688	86.1	YDL075W
NPSDITQEEYNAFYK	92.2	909.913	606.944	7950	56.2	YMR186W
NPVILADACCSR	71.86	688.326	459.22	4851	37.1	YLR044C
NPVTGAQGITLSEGNEILK	86.05	971.018	647.681	8659	60.6	YLR432W
NQAAMNPSNTVFDAK	92.94	804.378	536.588	5439	40.7	YAL005C
NQEIFDANVQR	14.04	667.328	445.221	4889	37.3	YDL082W
NQILVSGEIPSTLNEESK	88.26	979.507	653.341	8024	56.6	YBR072W
NQITETYPSGQITLSNAVTK	15.55	1083.06	722.374	6133	53.5	YOL057W
NRPAPSVEQVK	38.07	612.838	408.895	1277	15.2	YDR158W
NSFAVIEFTPEVLDR	14.87	868.946	579.633	12084	82.2	YDL051W
NSNPENTVGLISGAGANPR	47.45	934.466	623.313	6266	45.8	YHR200W
NSSAVITDGLKPIHIVTK	15.63	947.044	631.698	6832	49.3	YGR155W
NSSCYFLGDATNDSLQR	90	974.429	649.955	7659	54.3	YIL078W
NSYGSSNYGSSNNDDSYGSSNR	51.71	1166.45	777.971	1804	21.8	YMR173W
NTDDSVLVLVDLSAK	60.11	794.925	530.286	11603	79.1	YGR061C
NTENEQPASIFNK	49.83	746.357	497.907	5131	38.8	YOR198C
NTFAGGETSGLEVTDPSDPNSLLK	37.43	1225.09	817.062	7423	63.2	YBL058W
NTGIDSQTSDIFDPEAYTK	32.16	1051.48	701.323	7934	66.8	YIL137C
NTNIPLPALQK	43.45	604.853	403.571	7137	51.1	YPL160W
NTTRPDFIFYSDR	17.86	816.394	544.599	7498	53.4	YHR128W
NTWGSQLVDQIMDQVVTK	25.93	1031.52	688.014	14797	100	YGL037C
NTYEYECSFLLGENIGMK	46.87	1084.49	723.327	9300	76.4	YLR249W
NVIAETGAGQHGVATATACAK	23.75	1014	676.337	3519	28.9	YGL026C
NVLEASNSSLDR	77.6	652.826	435.553	3914	31.4	YER057C
NVLIVDEVDDTR	60.72	694.357	463.24	7508	53.4	YDR399W
NVNDVIAPAFVK	30.54	643.859	429.575	7898	55.8	YGR254W
NVPLYQHLADLSK	59.72	749.407	499.94	8184	57.6	YHR174W
NVPVHVSPAFR	29.23	611.838	408.228	4314	33.8	YDR025W
NVQEFTTAAR	53.5	568.788	379.528	3412	28.3	YKL080W
NVQVHQEPYVFNARPDGVHVINVGK	29.82	1408.73	939.491	7106	51	YLR048W
NVSGQDVAAALEANAK	25.12	779.397	519.934	7710	54.7	YER091C
NVVVQTDGQLR	41.73	614.836	410.226	3647	29.7	YDL171C
NWGAETDELSMIMEHFSQQ	61.71	1126.98	751.658	12852	101	YOR369C
NYASEALISYFK	46.46	703.354	469.238	11142	76.2	YKL081W
NYIIEELNVR	31.89	631.841	421.563	9042	63	YBL076C
PLFDLISPK	20.21	515.303	343.871	10288	70.8	YOR251C

QAAASVVPSASSLVITALK	21.09	907.025	605.019	11230	76.7	YEL054C
QAIECLEGMQLFAPEVK	47.13	981.987	654.994	11571	78.9	YPL160W
QAINLGQVVLTPLTFALPR	55.99	1026.1	684.405	13488	105.4	YHL001W
QATGGQAFPQMVFDHWSTLGSDPLDPTSK	53.8	1559.73	1040.16	11165	89.3	YOR133W
QAVVNPENTLFATK	29.6	766.409	511.275	7711	54.7	YJR045C
QDVEALIEFIYDTEK	34.01	906.949	604.968	14844	100.3	YPL231W
QDVSDLLDQDEYIDLVVPR	42.58	1116.56	744.706	11501	91.7	YOR323C
QEAGAFTFNEDF	32.63	688.294	459.198	11107	76	YJL026W
QEDSNLISSEYEVK	34.44	820.886	547.593	6088	44.7	YOR046C
QFGYVILTTSAGIMDHEEAR	22.96	1119.55	746.7	11051	75.6	YJL190C
QFYVNVEEEEYK	38.29	788.862	526.244	7304	52.2	YKR059W
QIAPAELEGLLDLER	63.07	833.954	556.305	12612	85.6	YPL231W
QIFDEELIK	18.98	567.806	378.873	11673	79.6	YCL025C
QIIENAGEEGSVIIGK	37.46	828.944	552.965	6881	49.6	YLR259C
QITVVGATSGDTGSAAIYGLR	75.36	1019.03	679.692	6994	60	YCR053W
QIVFEIPSETH	34.16	650.333	433.891	8821	61.6	YOR096W
QLAGIDDQGHLHTSGWSR	31.81	989.48	659.989	5406	40.5	YGR124W
QLGEWAGLGK	49.89	529.785	353.526	7273	52	YOR369C
QLLLLGNALPTVQSLSER	83.33	976.562	651.377	12739	86.5	YPR036W
QLSEDSHHLQSNNDNFSK	15.75	1050.47	700.651	2070	20.1	YNL079C
QLSIWGLENDDDVSDITDK	66.04	1082.01	721.674	9420	77.3	YGR086C
QLVDVYTTLPYDFILEK	18.61	1029.05	686.366	12223	96.7	YNL259C
QLYDYETEVSMR	32.58	767.348	511.901	7154	51.2	YMR205C
QLYSFDLEGFWMDVGQPK	84.06	1080.51	720.675	13068	102.5	YDL055C
QNEDTLLVGATDGVGTK	78.87	859.434	573.292	6849	49.4	YGL234W
QNPQAIGQDLFTDPR	35.1	850.424	567.285	8217	57.8	YOR027W
QNVETLDIVR	58.85	593.825	396.219	6140	45	YLR304C
QNWTMENFIDTEINR	49.93	955.939	637.628	12024	81.8	YMR217W
QPASFLFLGLSGSGK	26.87	754.909	503.608	11703	79.8	YLL026W
QPYIMDTSYPAR	26.5	721.343	481.231	6125	44.9	YFR053C
QQLSNPEFVFSDFAK	41.78	878.931	586.29	11076	75.8	YKL210W
QQQDLDPEDIAFK	22.07	773.873	516.251	7905	55.9	YLR262C-A
QQSLYLDPEPTFIEER	62.98	982.984	655.658	9941	68.6	YIL078W
QSQDSCYGVAFR	20.22	709.312	473.21	5147	38.9	YGR240C
QSSATSSFGGLGGGSVR	26.55	777.879	518.922	5140	38.9	gi|34783124
QSSPANPIGTYEYSR	49.32	835.394	557.265	5618	41.8	YAL012W
QVNLTPAPLPTSSPWK	65.89	868.472	579.317	8913	62.1	YCL037C
QVNVNTVFGLPGDFNLSLLDK	39.49	1145.61	764.074	14636	98.9	YLR044C
QVYFVADIENLSPLACAYAR	31.42	1150.57	767.384	13695	92.7	YMR120C
QWFEAHYGQTLGK	30.47	782.881	522.256	6812	49.1	YBL072C
QYSEGQAQITLR	47.28	697.357	465.241	4565	35.4	YMR120C
RPEYFITANDVK	33.84	726.878	484.921	5404	40.5	YIL053W
RPYIAGLGAEK	14.07	587.833	392.224	3739	30.3	YFL018C
SAADIVFLAPGLSAIIDALK	15.03	993.069	662.382	18172	123.5	YGL008C
SAFDVPEWVDPNVQNLVSK	47.86	1072.54	715.36	10482	84.6	YJL130C
SAGGNYVVFGEAK	44.2	649.822	433.551	5873	43.3	YHR193C
SANDLVETLSK	20.73	588.809	392.875	6639	48.1	YMR109W
SANLMAGHWVAISGAAGGLGSLAVQYAK	44.69	1350.7	900.802	12129	82.5	YOL086C
SANPSNDIPLSR	15.51	635.823	424.218	4043	32.2	YGL202W
SASEVASDLAQLTDFPVIR	82.37	1010.02	673.685	11741	93.3	YGR279C
SAVEVIEFVK	23.87	560.816	374.213	8784	61.3	YDL131W
SAVTVVVAAGGYPESYAK	22.54	884.959	590.309	7833	55.4	YGL234W
SCGVDAMSVDDLK	62.91	698.808	466.208	6335	46.2	YGL135W
SDAFAEFAEPLVNSAYEAIK	62.58	1086.53	724.688	12662	99.7	YER110C
SDFHVLFAVAQELR	18.7	816.431	544.623	12476	84.8	YJL130C
SDIVGSPVAELLK	24.18	664.377	443.254	10201	70.2	YGR204W
SDLFDLFGPIGK	43.61	654.845	436.899	13813	93.5	YCL011C
SDLTGANSIYSVEK	39.16	742.367	495.247	5884	43.4	YFR010W
SDLTLVQILK	23.27	565.345	377.232	10475	71.9	YGR218W
SDLVDLLNIYK	23.33	646.858	431.575	12670	86	YDL131W
SEAEAEAAGLPVVNLDTR	96.32	921.466	614.646	8491	59.5	YLL018C
SEELSEIDASTAK	60.11	690.33	460.556	4232	33.3	YPR036W
SEELYPGRPLAIALDTK	15.16	937.007	625.007	8879	61.9	YAL038W
SEGETEPPQPAESK	19.03	743.339	495.895	1255	15.1	YGL202W
SEGIEFFASPVTLGPDGIEK	72.69	1047.03	698.353	10362	83.8	YKL085W
SEIFSTYADNQPGVLIQVFEGER	79.65	1300.14	867.094	11969	94.9	YAL005C

SEIVGRPLAALLANDGATVYSVDVNNIQK	26.31	1514.31	1009.88	10093	81.9	YKR080W
SELEYYAMLSK	49.47	667.321	445.216	8975	62.5	YGL030W
SENPDITFGQVGK	45.32	696.344	464.565	5957	43.9	YPR052C
SENPDVTFGQVGR	49.03	703.339	469.228	5334	40.1	YBR089C-A
SEQHSVAVGK	16.76	521.27	347.849	10695	73.3	YIL009W
SESVVYQGSR	20.06	556.273	371.184	1830	18.6	YCL043C
SEVFSTYADNQPGVLIQVFEGER	58.28	1293.13	862.422	11597	92.3	YLL024C
SFANQPLEVVYSK	37.68	741.385	494.593	8004	56.5	YDR432W
SFDELGLAPELLK	28.3	716.39	477.929	11567	78.9	YOR046C
SFDPFADTGDDETATSNYIHIR	39.25	1236.55	824.703	8218	68.8	YNL244C
SFDVPPPPIDASSPFSQK	64.16	958.475	639.319	9784	67.6	YKL152C
SFEVTDPVNSSLK	49.52	711.859	474.909	7155	51.3	YML070W
SFLSPLETDEEIEVVIEQGK	20.62	1131.57	754.718	11873	94.2	YGL062W
SFLSYCGGLPAPEDSDNPLGYK	16.51	1194.05	796.367	8921	73.8	YNR050C
SFVVPQEVYDHYQK	34.36	869.925	580.286	7558	53.7	YPR074C
SFWDASDISDDVIELAGGMPNER	26.97	1262.57	842.048	13344	104.4	YHR137W
SGADDIVFATVQLK	30.32	732.391	488.596	10062	69.3	YMR315W
SGAHLLEFQPSGNVTELYGTAIGAR	33.08	1294.66	863.442	10631	72.9	YMR314W
SGETEDPFIADLVVGLR	24.75	909.468	606.647	14435	97.6	YPL281C
SGETEDTFIADLVVGLR	103.32	911.465	607.979	14625	98.9	YGR254W
SGQGAFGNMCR	36.86	592.75	395.503	3297	27.6	YDR012W
SGQIQPHLDQLNLVLR	28.71	916.013	611.011	9270	64.4	YGL105W
SGSAADTQAIADIVQYHLELYTSQYGTPSTETAASVFK	44.02	2010.97	1340.98	12858	101	YJL001W
SGSATQFDATDFATNEDLVELVK	81.56	1229.58	820.059	10063	81.7	YKL142W
SGTLTYEAVQQTTK	55	763.888	509.595	4552	35.3	YOR142W
SGVAVADESLTAFNDLK	82.18	868.939	579.628	10097	69.5	YLL050C
SGVVNSAFPADESLK	62.21	760.883	507.591	6524	47.3	YMR105C
SHINVVVIGHVDSGK	54.43	780.928	520.955	21004	150.2	YPR080W
SIACVLTVINEQQR	48.08	815.933	544.291	9736	67.3	YDL136W
SIAPAYGIPVVLHSDHCAK	68.51	1018.03	679.019	5644	49.8	YKL060C
SIGGEVFIDFTK	61.4	656.843	438.231	10578	72.6	YOL086C
SIIGATSIEDFISK	54.71	740.898	494.268	11495	78.4	YHR183W
SINPDEAVAYGAAVQAAILTGDESSK	78.7	1289.14	859.761	11339	90.6	YAL005C
SINPDEAVAYGAAVQGAILTGQSTSDETK	59.98	1447.21	965.14	9758	79.6	YDL229W
SINVDLEPGTIDAVR	51.94	799.923	533.618	8451	59.3	YFL037W
SIQGHVPGFAPNLAIIQVGNRPDSATYVR	44.62	1539.32	1026.55	9721	67.2	YGR204W
SISDVFGKPLSSTLNQDEAVAK	26.83	1153.6	769.401	9316	64.7	YBR169C
SISGPVITDVASLK	28.78	693.896	462.933	8603	60.2	YJL130C
SIVPSGASTGVHEALEMR	100.35	920.965	614.312	7444	53	YGR254W
SIVTLDVKPWDDETNLEEMVANVK	17.13	1373.19	915.793	11099	88.9	YAL003W
SIYLLAGNDPEGR	23.16	702.859	468.909	7562	53.8	YOR335C
SLANTFLSLDTEGR	111.23	762.389	508.595	10522	72.2	YGL202W
SLDEIIGSNK	46.08	538.285	359.192	5567	41.5	YDR381W
SLDFLNQSFIQQK	45.88	784.409	523.275	10512	72.2	YBL045C
SLDLDSIIAEVK	38.36	651.861	434.91	12349	83.9	gi|1346343
SLDYDQENTVR	21.67	670.31	447.209	3311	27.7	YIL074C
SLFEGLVADAPK	49.64	623.837	416.227	10002	69	YMR229C
SLGLVVSVNAEPAK	16.2	692.396	461.933	7306	52.2	YDL185W
SLIYSTHEVEDCTK	62.28	841.39	561.263	4249	33.4	YBR026C
SLLEVVQTGAK	61.41	572.832	382.224	7214	51.6	YOL038W
SLTVPELTQQMFDAK	21.06	854.435	569.959	11341	77.5	YFL037W
SLTYVLDESTAFSAER	14.57	894.936	596.96	10020	69.1	YNL287W
SMTVFDPEPVQLADLSTQFFLTEK	18.73	1372.18	915.123	15892	107.4	YKL210W
SMVEEAEASGR	54.45	583.261	389.177	2994	25.7	YGR155W
SMYQVQNDIGTGK	54.12	720.843	480.898	4769	36.6	YJR105W
SNAIDLFVTGQIPTEEPELSEYQSK	18.54	1398.18	932.459	10266	83.1	YMR120C
SNDSEQELLEAFK	57.45	755.357	503.907	9762	67.5	YBR109C
SNFATIADPEAR	42.5	646.317	431.214	5739	42.5	YLR249W
SNGVLNVDNQTSDLVK	16.56	851.934	568.292	6545	47.5	YML024W
SNLAGKPVICATQMLESMTYNPRPTR	46.58	1468.23	979.158	10821	74.1	YAL038W
SNYDTDVFTPLFER	69.93	852.399	568.602	11356	77.6	YOR335C
SNYGMIAINPGR	49.53	646.824	431.552	6676	48.3	YKL182W
SPALPQADDPIVETK	18.65	790.912	527.61	6190	45.3	YHR146W
SPDPFAVLTIDGYQTK	15.57	876.446	584.633	11389	77.8	YER125W
SPLNVGIVGTGIFAR	72.03	750.93	500.956	10931	74.9	YMR315W
SPNPMSLADGVSNDGPIQTNK	15.43	1071.51	714.676	6439	55.9	YNR067C

SPTESYSDIGGLESQIQEIK	70.35	1091.03	727.69	8372	69.9	YDL007W
SQAANSVDEALAAVK	83.24	737.381	491.923	7790	55.2	YJL130C
SQEVEYVDPTVNR	28.63	768.37	512.583	4571	35.4	YPR108W
SQFLSVFNNSPDETAFYR	25.99	1061.5	708.001	9492	77.8	YPR181C
SQIDEVVLVGGSTR	85.93	730.391	487.263	7118	51	YNL209W
SQIFSTAAAGQTSVEIR	32.19	883.458	589.307	7209	51.6	YJR045C
SQPTESQLILQSPTISSK	30.85	972.518	648.681	7329	52.3	YJL173C
SQVDEIVLVGGSTR	59.4	730.391	487.263	7118	51	YAL005C
SSAAGNTVIIGGGDTATVAK	67.71	895.468	597.314	4737	36.4	YCR012W
SSGLTPNAVVLVATVR	46.06	792.459	528.642	9787	67.6	YGR204W
SSHPIEVPVNNADEINQIFDAISYSK	36.88	1444.21	963.142	12817	87	YHR047C
SSLSEFTEGGFQWIIEDIEHGK	14.56	1255.1	837.068	15830	107	YIL125W
SSNITISNAVGR	59.94	609.825	406.886	4108	32.6	YNL209W
SSPDENSTLLSNDSISLK	59.65	953.966	636.313	7722	54.7	YMR205C
SSQSPETVYFASELK	59.11	836.907	558.274	8198	57.7	YGR124W
SSVLADALNAINNAEK	92.54	815.426	543.953	12726	86.4	YJL190C
SSYGSNNDDSYGSNNDDSYGSSNK	32.26	1267.48	845.32	1768	21.5	YMR173W
SSYGSSSNDDSYGSSNNDDSYGSSNK	16.68	1341	894.338	1740	21.3	YMR173W
STAISLYSEMSDEDVK	61.35	887.906	592.273	8567	60	YOR133W
STAQVASDLEQLTGFDNIR	53.65	1033.01	689.011	10766	86.6	YMR305C
STCACFEPSLDYCVVK	42.66	968.418	645.948	8558	59.9	YJL130C
STITYNLVLLAEAER	33.51	846.962	564.977	12171	82.8	YJR139C
STLEPVEQVLK	20.45	621.851	414.903	7320	52.3	YNL209W
STLIEPTSGNTGIGLALIGAIK	75.93	1063.61	709.407	11045	88.5	YGR155W
STLINVLTGELLPTSGEVYTHENCR	49.53	1402.2	935.136	11197	89.6	YLR249W
STQIPCVGISFGVER	35.47	825.419	550.615	9490	65.8	YPR033C
STSGNTHLGGQDFDTNLLEHFK	34.63	1209.57	806.715	9055	63	YNL209W
SVAAYPSDQDNDVFGEK	15.62	921.413	614.611	6127	44.9	YDL040C
SVAELVIGEIISLAR	29.11	785.464	523.979	18420	125.4	YIL074C
SVAVPVDILDHDNNYELK	37.43	1021.02	681.013	7552	64.1	YBR072W
SVDELITEGNEK	55.12	667.328	445.221	5211	39.3	YOL039W
SVDELTSLTDYVTR	53.94	799.899	533.602	10551	72.4	YMR186W
SVEMHHEQLEQGVPGDNVGFNVK	75.73	1275.61	850.74	6037	44.3	YPR080W
SVGCIVDGVPPGMSLTEADIQPQLTR	30.49	1370.69	914.126	9298	76.4	YGL148W
SVGETVDYIASNPDAN	41.36	826.376	551.253	7090	50.9	YKL192C
SVLDLLNAFTNAPGWPIADFEK	22.67	1209.62	806.749	16152	124.2	YML070W
SVQYVLEDPIAGPLVK	62.03	864.483	576.657	10588	72.7	YHR019C
SVVEDDAANNSLVK	46.01	730.865	487.579	4201	33.1	YHR063C
SVVLCNSTIK	25.93	560.805	374.206	3710	30.1	YDL055C
SYELPDGQVITIGNER	73.5	895.95	597.635	9598	66.4	YFL039C
SYIEGTAVSQADVTVFK	60.21	907.962	605.644	8667	60.6	YAL003W
TADLVLMVLDATK	31.3	695.386	463.927	14152	95.7	YGR173W
TAEEYLKPIINSVIK	23.68	859.49	573.329	10567	72.5	YMR105C
TAGGSSPATPATPATPATPTPSSGPK	20.38	1154.08	769.72	2791	29.1	YBR079C
TAGIQIVADDLTVTNPAR	91.57	928	619.002	9868	68.1	YHR174W
TANDVLTIR	49.42	501.783	334.857	4989	37.9	YAL038W
TAPLVVLGNPLLDFQADVTAEYLAK	17.55	1329.72	886.818	16365	110.6	YJR105W
TAQLSEFDEELYK	43.04	786.875	524.919	8459	59.3	YDR023W
TAQLTVEDGDNWEVVGK	68.88	930.952	620.971	8012	56.5	YPR163C
TASEFDSAIAQDK	69.93	691.825	461.553	4731	36.4	YLR043C
TASEIATTELPPTHPIR	34.92	917.489	611.995	5239	39.5	YDR099W
TASGNIIPSSTGAAK	39.76	687.865	458.912	3080	26.3	YGR192C
TATYDGEEGILAAK	57.69	719.857	480.24	5737	42.5	YGL148W
TAVDTVYEAVK	49.92	598.314	399.212	6163	45.1	YGL234W
TAVELGAVALK	40.68	536.324	357.885	6781	48.9	YPL028W
TAVVDGVFDEVSLDK	45.34	797.404	531.938	9804	67.7	YML028W
TCFYAEQGGQEYDTGK	72.71	927.386	618.593	4661	35.9	YOR335C
TCSDLLLVK	31.38	524.789	350.195	6423	46.7	YKL035W
TCSSCGYPAAK	22.2	601.252	401.171	1141	14.4	YLR185W
TDEEVAEVIGCER	27.92	753.841	502.896	6381	46.5	YMR300C
TDLGQSLVIGMGGDAFPGTDFIDALK	22.71	1319.66	880.107	13556	105.9	YOR142W
TDPAGYYVGYK	14.39	617.293	411.864	5281	39.7	YGL011C
TDPIGDEEQSINDTIFK	88.08	961.455	641.306	10237	70.4	YBL076C
TDSWFNETLIGGR	47.53	748.362	499.244	10456	71.8	YKL080W
TDTTYPAGFMDVITLDATNENFR	28.02	1296.6	864.736	11676	92.9	YJR145C
TEDLWDALADASGK	32.39	746.352	497.904	11853	80.7	YKL157W

TEELQTSSMK	26.02	577.274	385.185	2049	20	YJR045C
TELDGILPLVAR	51.06	648.88	432.922	11133	76.1	YAR015W
TESSLEWDAQR	23.24	661.305	441.205	4900	37.4	YLR300W
TETGIDLENDR	23.76	631.797	421.533	4057	32.3	YJR045C
TEWIADYGAAASGR	77.41	734.347	489.9	7429	52.9	YLR060W
TFEFLDEDVPDDSSNR	63.09	943.408	629.274	9475	65.7	YGR285C
TFESEAAHGTVTR	23.44	703.339	469.228	2466	22.5	YNL009W
TFITQGAYEDR	66.46	650.812	434.21	5104	38.6	YBR127C
TFSPQEISAMVLTK	70.88	776.408	517.941	11225	76.7	YNL209W
TFSPTPDYYPLQLVVESVVNEDER	25.45	1399.18	933.124	14467	112.2	YGL173C
TFSYAGFEQQPK	29.13	701.835	468.226	6765	48.8	YJL111W
TFTDCFNCLPIAAIIDEK	43.77	1064.51	710.008	12262	96.9	YER133W
TFTTCADNQTTVQFPVYQGER	67.88	1232.07	821.713	6745	58.1	YDL229W
TFTTVSDNQTTVQFPVYQGER	58.51	1209.58	806.724	7057	60.5	YNL209W
TFTVDVSSPTENGVFDPASYAK	64.98	1166.55	778.037	8805	73	YLR061W
TGAAPQTTFNVAPNSTPIVSTAATGLQHK	21.83	1440.75	960.833	8153	57.4	YDR129C
TGANVIEIDFEPLLELAR	20.14	1000.54	667.361	14028	109.2	YBR208C
TGDLAGTATTSSFTEAVIK	60.83	935.476	623.986	8442	59.2	YOR136W
TGELLCYDHYK	14.84	699.822	466.883	5245	39.5	YLR438W
TGETTLLSMSK	69.19	584.3	389.869	5881	43.4	YOR230W
TGHIAADGSVYNK	45.07	666.831	444.89	1559	17	YFR053C
TGHIAADGSVYNR	36.44	680.834	454.225	1813	18.5	YGL253W
TGIEAFAEALLVIPK	25.63	786.456	524.64	15309	103.4	YDR188W
TGIWAGVDASQPPATVWADILNK	77.49	1205.62	804.085	12214	96.6	YDR226W
TGKPLSVELGPGLMETIYDGIQRPLK	16.98	1406.77	938.181	12940	87.8	YDL185W
TGLDISDDAR	20.88	531.757	354.84	3968	31.7	YNL209W
TGLVSVDDDIYQK	31.95	726.864	484.912	6826	49.2	YNR016C
TGPFEVGVHVLPK	32.6	690.388	460.594	7396	52.7	YER043C
TGPSPQPESQGSFYQR	65.08	883.411	589.276	3864	31.1	YOR204W
TGTLTTSETAHNMK	83.7	746.359	497.908	1452	16.3	YOR133W
TGTTTNDVDYPIPPNHEMIFTTDDK	43.68	1411.64	941.432	8348	58.6	YAL038W
TGVFEPEFTADGK	21.88	699.333	466.558	7358	52.5	YGR094W
TGVIVGEDVHNLFTYAK	92.62	931.986	621.66	20935	149.7	YKL060C
THGAPTDEVR	30.89	541.765	361.512	946	13.2	YJR104C
THMIINVEWGSFDNELK	15.55	1016.99	678.331	10927	74.8	YCL040W
TIAETLAEELINAAK	80.33	793.935	529.626	14420	97.5	YJR123W
TIDEIYGVVK	18.87	568.813	379.545	7046	50.6	YNL220W
TIEEFETWLSNADTETLK	23.42	1064.01	709.676	11273	90.1	YNL247W
TIELLEDYIAHAVNIK	22.66	921.504	614.672	13513	91.5	YMR235C
TIFSNIQDIAEK	25.34	689.864	460.245	9899	68.3	YPL237W
TIFTVTPGSEQIR	37.78	724.891	483.596	7267	51.9	YLR304C
TIHLINEALDLEELQDTDLNAIALAK	36.49	1438.77	959.513	13596	92.1	YJR069C
TIIGSEDGLGVECLR	47.55	809.909	540.275	8423	59.1	YNR016C
TILATGGDDGIVNFWSLEK	22.44	1018.52	679.349	10940	87.8	YDR267C
TILSELSALEDPATNEGGVEAASEEK	20.29	1330.64	887.431	10442	84.4	YDR429C
TIQQIHEEEER	17.7	706.344	471.232	1766	18.2	YGR162C
TISTPFIEK	13.21	518.29	345.862	9947	68.6	YJR149W
TITLEVESSDTIDNVK	57.47	882.449	588.635	7761	55	YKR094C
TITPMGGFVHYGEIK	13.32	825.421	550.617	8214	57.8	YOR063W
TLAETAGLDVNEVLPNLYAAHNVTEPGAVK	36.74	1553.81	1036.21	9727	79.4	YJL008C
TLEDELEVTEGMR	57.94	761.359	507.908	8787	61.4	YLR259C
TLLALGQYQSQDPTSK	49.27	875.454	583.972	7447	53	YIL076W
TLLDYVSILDNLDLSPR	15.26	974.025	649.686	15834	107	YPL226W
TLMELLTQMDGFDNLGQTK	34.62	1078.02	719.018	13128	102.9	YOR259C
TLQEGQSEDPNFADSR	52.64	897.4	598.603	3934	31.5	YBL050W
TLQFVIQEK	35.23	553.316	369.213	7133	51.1	YNL007C
TLSDYNIQK	41.83	541.28	361.189	3508	28.9	YKR094C
TLSEYNNLLNR	30.07	668.846	446.233	6967	50.1	YPL273W
TLSSSAQTSVEIDSLFEGIDFYTSITR	77.66	1484.23	989.82	15253	117.8	YAL005C
TLSSVTQTTVEVDSLFDGEDFESSLTR	77.9	1482.2	988.472	12398	97.9	YDL229W
TLTFALADGGVPNNEGR	17.83	866.437	577.96	8443	59.2	YOR335C
TMNDEDANELIK	26.68	696.819	464.882	4953	37.7	YKL210W
TNIDNSTGQAGQANAQSANTVNNR	23.2	1223.57	816.048	1511	19.5	YNL098C
TNNPETLVALR	43.23	614.338	409.895	6457	46.9	YAL038W
TPFQLCSEVLSR	32.08	718.864	479.578	8869	61.9	YDR516C
TPGLSNATQVTDLNLTYASR	97.74	1061.54	708.031	7124	61	YNL241C

TPGPGGQAALR	43.54	512.78	342.189	1876	18.9	YCR031C
TPIGSFQGSLSSK	24.45	654.843	436.898	5869	43.3	YPL028W
TPLEPGLELTAIAK	32.67	726.919	484.948	9606	66.5	YDL126C
TPSELQEEQER	18.88	673.315	449.213	2029	19.9	YDR358W
TPSEYIQWR	49.57	590.293	393.865	6885	49.6	YLR249W
TPSIDTLDDLAQR	30.98	722.868	482.247	8281	58.2	YLR206W
TPTAAAWDSPESHIGVAK	39.79	919.458	613.307	5971	43.9	YGR155W
TPVFGICLGHQLIAR	14.93	841.464	561.312	9678	66.9	YJL130C
TQDLLLLDVAPLSLGIETAGGVMTK	45.06	1278.2	852.471	14393	111.7	YAL005C
TQDVLGENGR	32.81	544.77	363.516	2057	20	YNL178W
TQLLGADDDLNAQAQIIR	107.09	978.013	652.345	8742	61.1	YPL048W
TQLTGLQDDINEFLTGR	65.59	960.987	640.994	14021	94.9	YJL184W
TQWIDYEQCK	20.93	685.806	457.54	6017	44.2	YDR399W
TSAVAALTEVR	73.45	559.314	373.212	6202	45.4	YHL033C
TSDKPIWVLGEPK	25.13	735.404	490.605	7426	52.9	YOR230W
TSFFQALGVPTK	53.52	648.353	432.571	10630	72.9	YLR340W
TSGPIDLASLEALLGATGGVK	30.12	985.544	657.365	15016	101.5	YER089C
TSSGNEMPPQDAEGWFYK	44.24	1022.44	681.963	7044	60.4	YOL121C
TSYGWIECVGCADR	61.38	837.356	558.573	8739	61.1	YBR121C
TTEEQVENAVDR	67.17	695.826	464.22	4265	33.5	YLR354C
TTGIVLDSGDGVTHVVPIYAGFSLPHAILR	16.63	1553.34	1035.9	12342	83.9	YFL039C
TTLVANTSNMPVAAR	51.83	773.406	515.94	5155	39	YDL185W
TTPSFVAFTDTER	23.46	736.357	491.24	8231	57.9	YAL005C
TTPSFVGFTDTER	43.41	729.349	486.568	7688	54.5	YLL024C
TTPSYVAFTDTER	30.86	744.354	496.572	6491	47.1	YBL075C
TTQNPDELWEFIADSLK	76.45	1003.99	669.662	14190	110.3	YGL253W
TTVANFEPSLDYIVAK	29.5	884.462	589.977	10518	72.2	YJR109C
TTVEFTGESLR	39.53	620.314	413.879	5761	42.7	YBR127C
TTVLLDYTRPISDDPEVINK	33.28	1145.1	763.737	8763	61.2	YGL037C
TTVQVAEEAIVNAMR	19.19	816.425	544.619	12077	82.2	YFR050C
TTYVTQRPVYLGLPANLVDLNVPAK	23.24	1371.76	914.844	9707	79.3	YLR044C
TVASSGQELSVEER	100.32	746.368	497.914	3477	28.7	YER177W
TVAVAGNPTDWK	56.15	629.825	420.219	5393	40.4	YNL134C
TVAVDSVFEQNEMIDAIAVTK	29.79	1140.57	760.719	10169	82.5	YOR063W
TVAVLPPNWK	45.57	562.827	375.554	7237	51.8	YDR064W
TVESVNVIVSTYADEVLGDVQVYPAR	47.23	1412.22	941.819	14297	111	YOR133W
TVFESLDQAWSLLR	46.52	832.936	555.626	14645	99	YBR127C
TVFIQELINNIAK	55.97	751.932	501.624	14356	97.1	YJR121W
TVGAALTNDPR	45.91	557.796	372.2	2644	23.6	YPL061W
TVIFTHGVEPTVVVSSK	13.85	900.499	600.668	7000	50.3	YJR105W
TVIGEVLLEQAYGGMR	48.79	868.456	579.306	12540	85.2	YNR001C
TVLDYTIEFLDK	26.31	728.882	486.257	12856	87.2	YGR205W
TVLITGASAGIGK	54.06	594.353	396.571	5543	41.3	YMR226C
TVLVYGHYDVQPAQLEDGWDTEPFK	20.89	1454.2	969.799	11010	75.4	YFR044C
TVPFVPISGWNGDNMIEATTNAPWYK	48.25	1454.7	970.137	12124	96	YPR080W
TVPGFPLLENLNDISLK	22.43	935.52	624.016	14209	96.1	YGR061C
TVPGSSLTSVPGFFAAGDVQDSK	16.15	1134.06	756.378	10632	72.9	YDR353W
TVSQADFPGLEGVAK	38.02	759.894	506.931	7813	55.3	YIL078W
TVYVSVAAPR	25.48	531.801	354.87	4467	34.8	YPR163C
TWAPEIAQEILK	22.13	699.885	466.926	11262	77	YER134C
TWELMQELPK	44.89	637.826	425.553	10379	71.3	YOR120W
TWETYEMR	40.61	558.245	372.499	5851	43.2	YHL015W
TYAAEIAHNISAK	55.69	694.862	463.577	5434	40.7	YBL092W
TYCLQHVEK	28.15	589.287	393.194	2172	20.7	YFL045C
TYIGNLLALSISSDNLVNK	62.05	1018.06	679.04	11892	94.4	YGR180C
VAATLSPAMDILISSNFER	18.67	1018.03	679.022	11160	89.3	YCR053W
VAAVETLYQDMAAR	63.5	769.388	513.261	9789	67.6	YMR242C
VADVLSQIEAK	48.91	586.83	391.556	7515	53.5	YMR250W
VAFTVDQMR	63.89	533.771	356.183	6056	44.5	YOR133W
VAPEEHPVLLTEAPMNPK	20.09	986.514	658.012	6535	47.4	YFL039C
VASANATAAESDVAK	72.49	702.852	468.904	2094	20.3	YIL133C
VASSQATWVEVLPLTLCSHDENFK	15.85	1366.17	911.118	12112	82.4	YLR060W
VAVETGVDGVDVVIGTSK	39.65	872.97	582.316	8941	62.3	YDL131W
VAVIGDDVAVGR	42.03	585.827	390.887	5466	40.9	YML070W
VAVVAGYGDVGK	68.1	567.811	378.877	4487	34.9	YER043C
VCEFMISQLGLQK	20.03	776.897	518.267	10056	69.3	YNL244C

VCPAPCEGACTLGIIEDPVGIK	31.35	1178.57	786.05	8545	71.2	YDL171C
VDALEQETVYR	26.51	661.833	441.558	5319	40	YDL110C
VDCSELSEK	40.29	533.74	356.162	1870	18.9	YLL026W
VDDELLVAR	48.86	515.282	343.857	5693	42.2	YDR226W
VDIIANDQGNR	64.28	607.81	405.542	2983	25.7	YAL005C
VDPLVIELVTGAK	55.18	677.403	451.938	12372	84.1	YGL195W
VDTVTYDLTK	37.12	577.801	385.536	4985	37.9	YFL022C
VEEMNNIIAASR	64.3	673.84	449.563	6254	45.7	YMR194W
VEFGVLTSFAYPVIGSDEK	27.62	1029.53	686.686	11441	91.3	YGR094W
VEFSIGFER	32.77	542.277	361.854	8751	61.1	YPL160W
VEGAVGNLGNAVTVTEDGTVVTVVSTAK	35.01	1344.21	896.475	8683	72.1	YLR061W
VEGITEHVNR	18.28	577.302	385.204	1805	18.5	YBR035C
VELDALFNIAELK	33.39	737.911	492.277	13696	92.7	YPL218W
VELDDYVGLVAK	55.55	660.856	440.906	9715	67.2	YDR129C
VELTPVAIAAGR	22.35	598.853	399.571	7303	52.2	YPL091W
VENIISWGYGTPGAGAYDYIK	25.87	1137.56	758.707	9698	79.2	YLR179C
VESLGSPSGATK	45.23	566.796	378.2	1693	17.8	YDR155C
VETGVIKPGMVVTFAPAGVTTEVK	30.17	1215.67	810.782	7904	66.6	YPR080W
VEVDSFSGAK	19.21	519.759	346.842	3573	29.3	YGR148C
VFDALNDLEQLK	48.08	702.872	468.917	11021	75.4	YBR218C
VFEEEGAFIEALER	20.46	819.904	546.938	12162	82.7	YJR016C
VFLGIYYVDQIQDGVNTIK	31.5	1093.08	729.056	11573	92.2	YGR279C
VFNLPLFPTTTIGSFPQTK	64.61	1054.57	703.386	11922	94.6	YER091C
VFSLDPQYLVDDLRPEFAGYSK	43.75	1280.14	853.764	13658	92.5	YMR116C
VGDPFDESTFQGAQTSQMQLNK	26.05	1214.56	810.041	6988	60	YOR374W
VGGASEVEVGEK	74.44	580.793	387.531	2140	20.5	YLR259C
VGHDNLVGEVIR	52.15	654.357	436.574	5560	41.4	YDL185W
VGIADTVGCANPR	31.78	665.333	443.891	4180	33	YDL131W
VGLIGSCTNSSYEDMSR	88.72	938.414	625.945	6607	47.8	YLR304C
VGQAVETVGQAGRPK	29.72	748.913	499.611	1820	18.6	YHR027C
VGQSLSIVSNDELSK	25.23	788.415	525.946	6549	47.5	YBR078W
VGSTSENITQK	48.54	582.299	388.535	1231	15	YOR204W
VIAIDINDPLAPK	44.75	689.901	460.27	9756	67.4	YBR011C
VIDDVNEEDWNLLEK	66.75	915.941	610.963	9978	68.8	YDL195W
VIDVDGNPVIEVQYLEETK	96.44	1080.56	720.707	9583	78.4	YDL229W
VIEQPITSETAMK	46.89	723.879	482.922	4677	36	YOL127W
VILFIGDGSLQLTVQEISTMIR	30.79	1217.17	811.786	17774	120.5	YLR044C
VINDAFGIEEGLMTTVHSLTATQK	43.65	1288.16	859.107	14444	97.7	YGR192C
VINDAFGIEEGLMTTVHSMTATQK	26.02	1297.14	865.093	13500	91.4	YJL052W
VISCLAELQQFEK	31.5	782.906	522.273	10008	69	YGL206C
VISDDYVTSDSGTGIVHNAPAFGEEDNAACLK	27.23	1676.77	1118.18	6727	58	YBL076C
VITLPDYPGVDADNIK	16.3	865.454	577.305	9309	64.6	YBR072W
VIYQSLEDLIDCCK	56.69	878.418	585.948	11692	79.7	YMR300C
VLDALFPCVQGGTTCIPGAFGCGK	21.19	1263.1	842.404	10128	82.2	YDL185W
VLDEVVVDNFDQK	39.3	760.386	507.259	8059	56.8	YLR259C
VLDTGGPISVPVGR	26.87	683.888	456.261	6921	49.8	YJR121W
VLEGGIVIEDR	48.54	600.335	400.559	6304	46	YML074C
VLEQLSGQTPVQSK	58.5	757.415	505.279	4333	33.9	YGR085C
VLGSVGEPISPDLWEWYHEK	24.65	1171.08	781.055	11327	77.4	YLR153C
VLLSICSLLTDANPDDPLVPEIAHIYK	69.09	1503.8	1002.87	13326	104.3	YBR082C
VLNEQVDESYGLR	72.53	761.381	507.923	5959	43.9	YER110C
VLVQDLLHPTAASEAR	43.58	860.473	573.984	7758	55	YHR021C
VNDNNDDDDWNEPELK	38.52	966.398	644.601	5755	42.6	YCR088W
VNLDTDCQYAYLTGIR	74.37	951.457	634.64	9502	65.8	YKL060C
VNLENPIPIAVLDSYTPSTNEPYAR	49.01	1387.21	925.14	12696	86.2	YKL182W
VNPETGIIDYDTLEK	70.49	853.928	569.621	8343	58.6	YLR058C
VNQAIALLTIGAR	75.97	670.406	447.273	10169	70	YJR123W
VNQIGTLSESIK	48.43	644.859	430.242	6110	44.8	YGR254W
VNQNLLEDHSFINYK	20.68	917.46	611.976	7972	56.3	YLR304C
VNSSGPGSSFGELALMYNSPR	18.68	1085.52	724.013	8790	72.9	YIL033C
VNVVLGSQWGDEGK	56.19	744.378	496.588	7271	52	YNL220W
VPAINVNDSVTK	49.13	628.846	419.566	4551	35.3	YER043C
VPANFISEGLDQTR	44.81	773.897	516.267	8406	59	YBL076C
VPEQPVSVVEEAIDVAYETFK	31.82	1175.1	783.733	16627	127.6	YBR006W
VPFCPLVGSELYSVEVK	36.87	962	641.669	11585	79	YDR190C
VPFLQDISQLVR	50.91	707.906	472.273	13171	89.3	YGL195W

VPLSDNAIIEANLGK	37.51	777.43	518.623	8547	59.9	YGL076C
VPPTIAQFQYTLDR	29.9	824.938	550.295	9840	67.9	YHL033C
VPTVDVSVVDLTVK	90.4	735.924	490.952	9921	68.5	YGR192C
VQDDEVGDGTTSVTVLSAELLR	31.34	1152.58	768.724	10064	81.7	YIL142W
VQEQAILSCIEQTMVADAK	17.99	1067.53	712.022	11551	92	YDR395W
VQPVQPSQTSTYPGQGMPTPK	38.05	1114.55	743.372	4048	38	YNL007C
VQQLQQQQAQQELFQQQLQK	15.49	1235.15	823.766	5683	50.1	YNL243W
VQSEYLGIPEEGPFK	29.43	846.928	564.954	9305	64.6	YER043C
VQTVTTEDGETVK	33.61	703.854	469.572	2016	19.8	YER067W
VQVGDIVTVGQCRPISK	61.53	928.507	619.34	6375	46.4	YDR025W
VSPEVVYVAEK	36.81	610.332	407.224	5164	39	YCL030C
VSSASAAASESDVAK	87.42	690.336	460.56	1686	17.7	YNL069C
VSSVLSALEGK	69.29	545.311	363.877	8388	58.9	YOL039W
VSVEGVNVEK	42.97	530.288	353.861	3963	31.7	YLR448W
VSWGPNMKPAVSNSPSPSPSAPSLTTGLGAK	18.57	1511.77	1008.18	6579	56.9	YJL080C
VTAFVPNDGCLNFVDENDEVLLAGFGR	45.74	1484.71	990.143	14049	95.1	YGR118W
VTDGALVVVDTIEGVCVQTETVLR	71.8	1287.18	858.455	15569	105.2	YOR133W
VTNMEFQYPGTSKPQITDINFQCSLSSR	51.44	1624.77	1083.52	8110	68	YLR249W
VTTDSDGWCTFEAK	70.78	808.848	539.568	6919	49.8	YOR276W
VTVVEFQPQIGASMDGEVAK	27.51	1053.03	702.358	7612	64.5	YFL018C
VTYDITSKPPATVEWE	52.18	918.457	612.64	8598	60.2	YMR217W
VVDETDAEPK	20.53	551.767	368.18	1327	15.6	YJR025C
VVDISETSCIVELSAKPTR	16.5	1052.55	702.037	8310	58.4	YCL009C
VVDLEDAVPDSK	27.45	643.827	429.554	6230	45.5	YDL171C
VVDLIEYVAK	60.99	574.832	383.557	9694	67	YJL052W
VVDPETTLFLIASK	14.8	766.932	511.624	12332	83.8	YBR196C
VVEVCLADLQGSEDHSFR	38.7	1030.99	687.662	6708	57.8	YML063W
VVGLSSLPEIYEK	49.22	717.398	478.601	9546	66.1	YMR303C
VVGLSTLPEIYEK	41.64	724.406	483.273	9421	65.3	YOL086C
VVITAPSSSAPMFVVGVNHTK	13.33	1071.07	714.386	8447	59.3	YJL052W
VVITAPSSTAPMFVMGVNEEK	35.39	1104.06	736.374	8499	70.8	YGR192C
VVNEPTAAALAYGLEK	88.98	823.443	549.298	8819	61.6	YJR045C
VVNMEFPIDEATGK	29.7	775.382	517.257	8970	62.5	YOR361C
VVNVAVIGAGVVGSAFLDQLLAMK	43.22	1186.17	791.119	18293	124.4	YJR139C
VVNYNHLLPTR	32.69	663.37	442.582	5716	42.4	YHR010W
VVVFEDAPAGIAAGK	34.01	722.396	481.933	7561	53.7	YIL053W
VYEPLLLVGLDK	60.18	679.9	453.602	11909	81.1	YDL083C
VYYFQGGNNELGTAVGK	34.69	908.947	606.3	7594	53.9	YGL030W
WAGNANELNAAYAADGYAR	98.29	999.459	666.641	7687	54.5	YLR044C
WASLANSDVMSNIARPFLSFK	15.67	1177.6	785.404	13501	91.4	YKL081W
WEAWENLK	26.28	538.264	359.178	8029	56.6	YGR037C
WFFDASKPTLISSDSIIR	21.75	1042.05	695.033	11695	79.7	YNL160W
WGLKPYLFVLNNDGYTIEK	46.49	1135.6	757.4	10404	84.1	YLR044C
WSEVCHYIITDIPVEYGPGGDIAISGK	40.12	1488.73	992.82	11418	77.9	YLR179C
WSFEEVEVK	43.65	576.782	384.857	8837	61.7	YJR123W
WVNNILYEGAESER	34.45	840.405	560.606	8612	60.3	YLR270W
YAGEVSHDDK	45.73	560.749	374.168	832	12.5	YGR192C
YAPGTIVLYAER	16.06	676.864	451.578	8043	56.7	YNL178W
YAQDGAGIER	23.5	540.259	360.509	1739	18.1	YOR063W
YDCSSADINPIGGISK	43.81	848.896	566.266	6698	48.4	YHR074W
YDIDIDQK	26.67	505.245	337.166	4715	36.3	YDR516C
YDLEAWFPYQK	28.98	730.348	487.235	11599	79.1	YDR023W
YDNQIAVFGLDFQK	37.07	829.415	553.279	11317	77.3	YKL210W
YDSASDNVYMNAEQEEK	86.74	996.91	664.942	4941	37.7	YHR179W
YEELASLGNIIR	47.25	689.372	459.917	10143	69.8	YBR169C
YEFDGLIIVGGFEAFESLHQLER	21.85	1335.17	890.446	16321	110.3	YMR205C
YEIISQQPENVSNLSK	83.43	924.97	616.983	6536	47.4	YKL035W
YGADIVTHSATK	24.09	631.822	421.551	2399	22.1	YLR303W
YGANPHQKPAQAYVSQQDSLPFK	24.46	1287.64	858.763	5645	41.9	YMR120C
YGASAGNVGDEGGVAPNIQTAEEALDLIVDAIK	79.74	1629.82	1086.54	16781	128.8	YHR174W
YGATSTNPAK	28.02	505.251	337.17	996	13.5	YJL177W
YGCSVTDACIGWESTEQVLELLAEGVR	47.85	1521.71	1014.81	15307	118.2	YDR035W
YGEHSIEVPGAVK	25.28	693.357	462.573	4288	33.7	YIL053W
YGGVYVGTLSKPEVK	45.36	798.935	532.959	5463	40.8	YLR044C
YGHAEDFVPILESPEGK	17.77	944.46	629.976	8804	61.5	YLR438W
YGILSIDDLIHEIITVGPHFK	38.28	1190.65	794.102	17101	115.7	YGL076C

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YGLENYNNECR	62.68	716.301	477.87	4074	32.4	YBL076C
YGLNHVVALIENK	21.64	735.409	490.609	8935	62.3	YHL033C
YGLNHVVSLIENK	40.87	743.407	495.94	8498	59.6	YLL045C
YGLTGEGQTVQMATLSEGQR	63.72	1063.51	709.344	6149	53.6	YER036C
YGPLLVDIIDPAK	16.58	707.403	471.938	12205	83	YKL127W
YGSFIVDALVDYK	71.82	745.382	497.257	12297	83.6	YNR016C
YGVIVHDIATPNLIDR	30.43	898.489	599.328	8531	59.8	YDL055C
YGVSITDACIGWETTEDVLR	33.25	1143.04	762.363	10536	85	YBR249C
YHGEVEIGCDGSVVEYYPGFR	17.49	1217.04	811.699	8989	62.6	YCL040W
YHIEEEGSR	45.89	560.257	373.84	1446	16.3	YCR012W
YIEDDQEPVQGGIFALSWLDSQK	14.39	1319.64	880.094	12282	97.1	YMR092C
YIEWLSSPK	20.63	561.795	374.866	8252	58	YPL226W
YINEGNSVGSVNFPEVSLK	14.92	1027.02	685.013	7682	65	YIL074C
YINESVNEFSR	34.35	679.323	453.218	5238	39.5	YIL041W
YIPGEPEFLPFVNELPK	41.02	995.022	663.684	13724	92.9	YDR023W
YIQTEQQIEIPEGVTVSIK	16.07	1088.08	725.723	8003	67.3	YNL067W
YIQTEQQIEVPEGVTVSIK	38.09	1081.07	721.051	7240	61.8	YGL147C
YLAAYLLLNAAGNTPDATK	26.5	990.525	660.686	11927	81.2	YOL039W
YLAAYLLLVQGGNAAPSAADIK	38.7	1110.11	740.407	12624	85.7	YDR382W
YLAEFSSGDAR	79.7	608.286	405.86	4893	37.4	YDR099W
YLDGMFAWTLYDAK	32.19	847.4	565.269	13365	90.6	YPR145W
YLGLKPGSIDAISQVINIAK	41.69	1050.61	700.74	12057	82	YKL182W
YLIENFSAQLQNPEGK	86.35	925.968	617.648	9594	66.4	YGR180C
YLPGITLPDNLVANPDLIDSVK	41.73	1184.14	789.765	11405	91	YDL022W
YLSEIDLPK	31.77	539.295	359.866	7261	51.9	YFL045C
YLTPSSLVAGNPK	26.54	673.869	449.582	6753	48.8	YDR129C
YNEIVNLTLPDGTVR	51.7	852.452	568.637	9711	67.1	YBR127C
YNLDYYLEVVEK	39.08	774.385	516.592	11651	79.4	YBR218C
YNPDDTIAPPQDATEESQTK	13.29	1110.5	740.669	3691	35.5	YOR230W
YNSDAQTYVLESTLEGHSDWVR	68.65	1285.59	857.398	10600	72.7	YLR208W
YPGQLNSDLR	31.2	581.796	388.2	4438	34.6	YFL037W
YPIEHGIVTNWDDMEK	64.02	973.951	649.637	8393	58.9	YFL039C
YPIVSIEDPFAEDDWEAWSHFFK	44.53	1414.65	943.434	15746	106.4	YGR254W
YPMGVVTSDIDK	22.58	662.826	442.22	11146	76.2	YBL020W
YQGYAEDVR	25.45	550.754	367.505	2773	24.4	YIL078W
YSYGQDLVSFYQDGPGYDMIR	28.22	1237.55	825.37	10476	84.6	YBR092C
YTNPVVIQGAGAGAAVTAAGVLGDVIK	102.22	1256.69	838.13	11489	91.6	YJR139C
YTVSFIEGDGIGPEISK	45.45	906.457	604.64	9856	68.1	YOR136W
YVDPNVLPETESLALVIDR	86.42	1072.07	715.048	10897	87.5	YKL152C
YVHIIEDSPVFPVIMDSK	23.32	1045.04	697.027	9172	75.6	YLR060W
YWGTPIPLWVSDDFEEVVCVGSIK	15.45	1398.68	932.791	15147	117	YBL076C
YYNAVNPFEFMEDVATAGK	84.39	1083.5	722.666	13284	104	YGR180C

Supplemental Figure 3
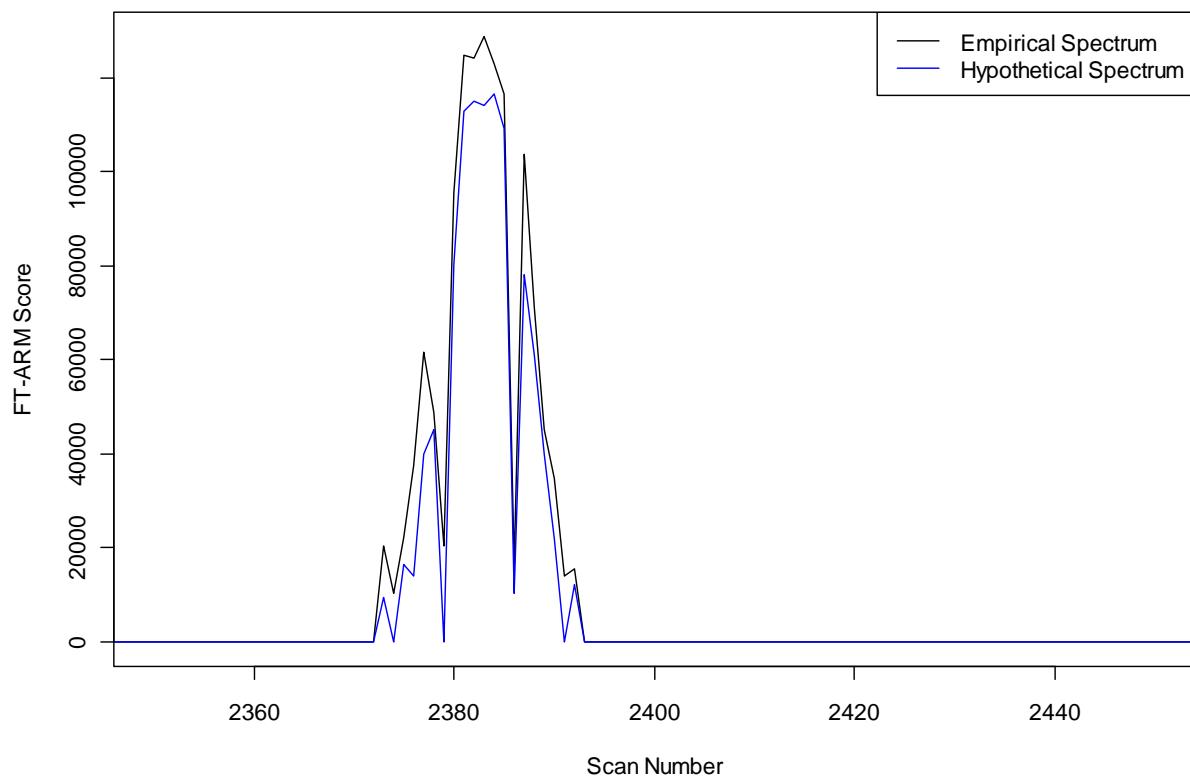
Supplemental Figure 4
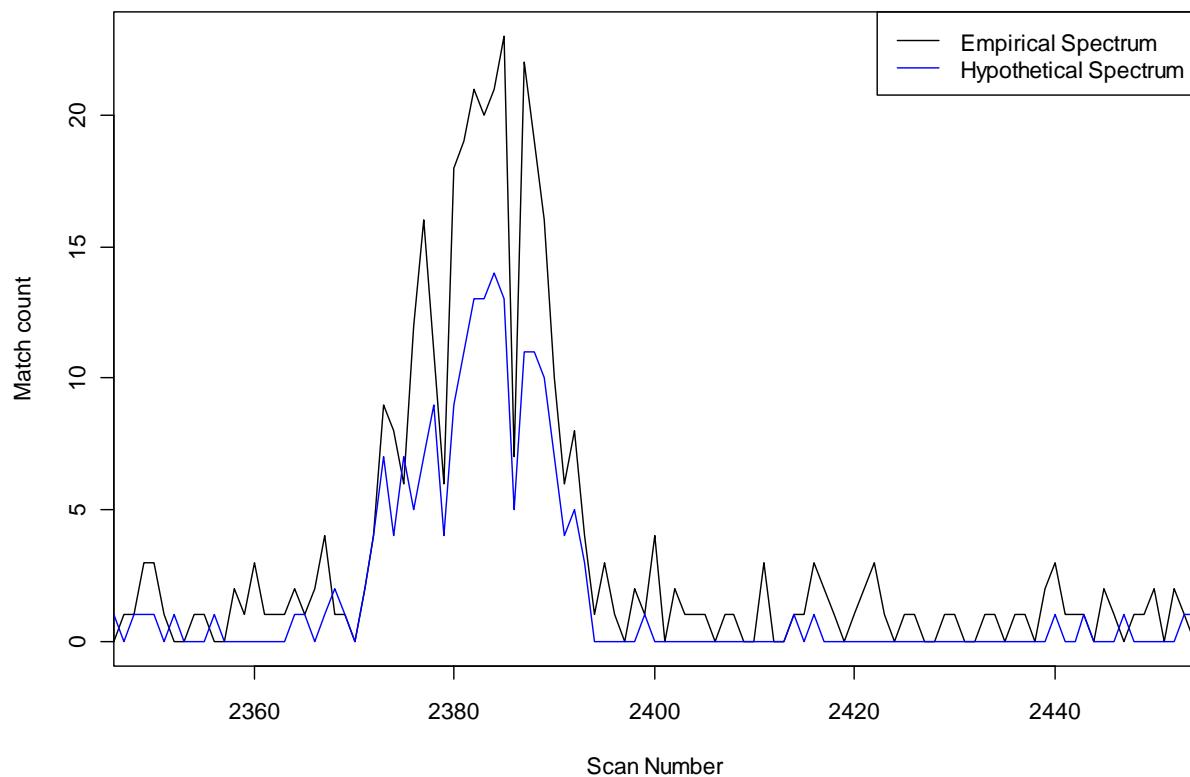
Supplemental Figure 3 is a score chromatogram comparison of hypothetical vs. spectral library FT-ARM scored data. The calculation was normalized using the scalar dot-product. This shows that the FT-ARM process is compatible with spectral library data, with the caveat that it is acquired using a high resolution mass analyzer. In Supplemental Figure 4, it is shown the difference in the number of matching peaks between the spectral data and the hypothetical spectrum. It is clear that the spectral data has approximately double the number of matching peaks for the peptide of interest. The peptide shown from yeast ENO_2, AVDDFLISLDGTANK.

Supplemental Figure 5
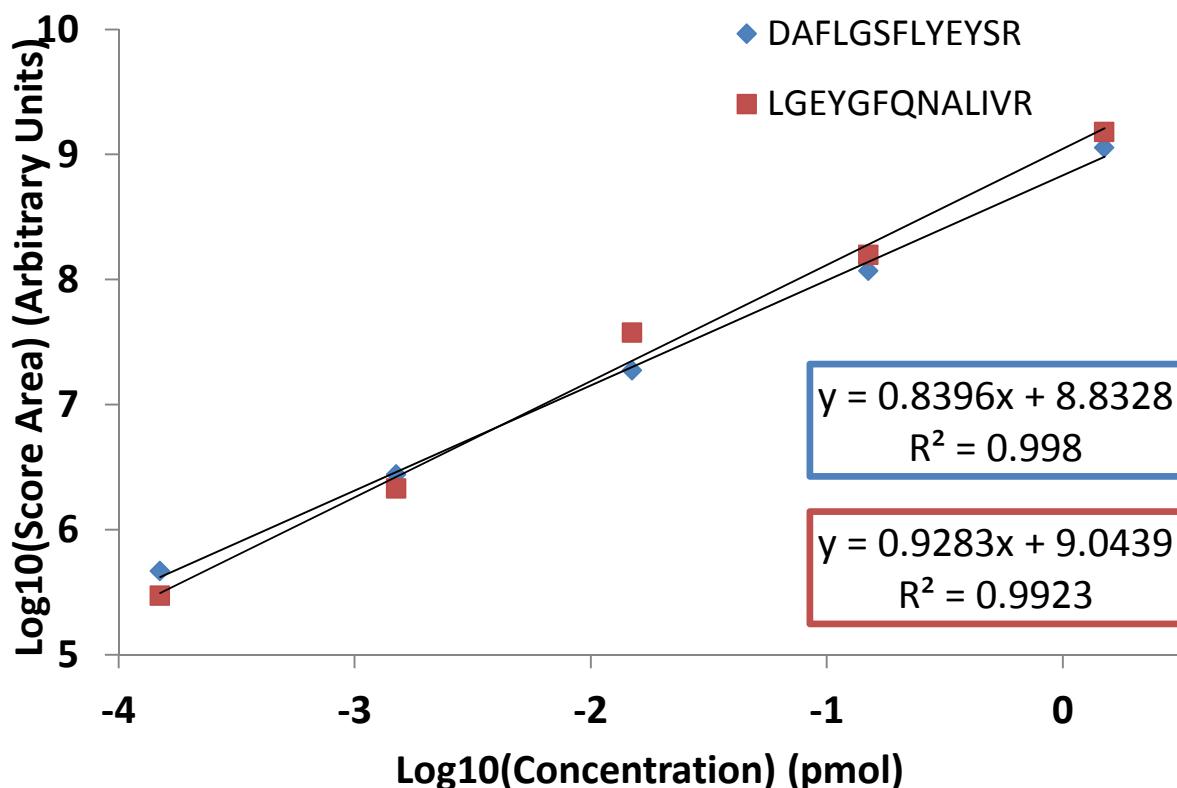
Supplemental Figure 5 was generated by processing the data presented in 6B without any normalization and by tracking accurate fragment masses with retention time constraints. This approach has not been exploited in any of the data presented in the manuscript simply because the authors performed this analysis subsequent to the review process. We intend to pursue this approach as it allows us to gain access to quantitative information at lower concentration, even levels that were only achievable with the triple quadrupole previously, and appears to have greater linearity.

Supplemental Figure 6 was generated by normalizing each peptide score area to a reference acquisition in which no dilution was made or yeast background present. The data was then plotted on the log scale to indicate that relative error contributions and medians are centered very near to the expected ratios. This figure was generated subsequent to the review process.

Supplemental Figure 6