

Table II. Unique identified peptides at FDR<1% using a regular digestion protocol from *Shewanella oniedensis*

PeptideSequence	Scan Number	Z	XCorr	Protein	ΔCn	p
R.ALDSFIAAVTEGLKEGDKISLVGFGTFEVR.E	15860	3	8.0334	SO_1797	0.5157	4.72E-13
R.DNEVDKILGLEIGADDYITKPFNPR.E	11371	3	6.7461	SO_3988	0.6019	3.77E-13
R.HNLPILANLLVEVSGHSLK.L	14466	3	6.1433	SO_0009	0.4786	8.18E-13
R.HCANALALAEYLILHPSVSWVNYGALPSSPFR.E	15336	3	7.6513	SO_1095	0.5815	1.26E-12
K.WFNSDKGFGFIEQESGPDVVFVHFR.A	11950	3	6.4938	SO_2787	0.5567	2.13E-12
K.VAVLGAAGGIGQALALLK.T	15016	3	6.2537	SO_0770	0.4934	2.71E-13
K.NVHLSGGVGIGGVLEPLQAGPTIIEDNCFIGAR.S	10915	3	7.7244	SO_1625	0.579	1.74E-12
K.IFISSGDHPFTDNIVHLVLAR.L	13103	3	6.1746	SO_2768	0.5083	2.97E-12
K.YIAETFLENVEQVTDVR.N	11943	3	5.6762	SO_1221	0.4493	2.73E-12
K.GILFNSGEFDGLDFDGAFNVIANK.L	12782	3	6.327	SO_1174	0.5055	2.04E-11
W.FNSDKGFGFIEQESGPDVVFVHFR.A	10581	3	6.123	SO_2787	0.5051	2.69E-11
K.DANFLGFANAVLDVAAASK.V	13602	3	5.5896	SO_1630	0.4722	3.31E-11
K.GFGFIEQESGPDVVFVHFR.A	10711	3	5.3622	SO_2787	0.4819	3.65E-11
R.SVIDGLEADVVTALAYDVDALR.Q	16478	3	6.0677	SO_4652	0.4817	6.78E-11
R.DAGVEPHIGVTASSDTFYPGQER.Y	6741	3	6.2997	SO_4133	0.429	7.95E-11
R.VGTTGAIQPHVNVGDVIVTQASVR.L	7536	3	6.0863	SO_4133	0.497	8.81E-11
R.KLAEAYLAQLYTDEAQLAAK.H	10687	3	5.2699	SO_4652	0.5606	1.29E-10
R.LCPIETPEGPNIGLINSASFAR.T	11504	3	5.982	SO_0224	0.4708	1.43E-10
K.DANTANIAQSVLLYVVR.C	11648	3	5.2259	SO_2406	0.4109	1.8E-10
K.HFESLPDTPETIIATHGEGYR.F	9756	3	5.6245	SO_3988	0.4704	1.99E-10
R.HDQILFTYLHLAPDLPQTEDLIK.S	12031	3	6.0235	SO_2304	0.4426	2.42E-10
R.IFFNLEGLVPYAETIEEQASR.A	17262	3	5.9904	SO_3855	0.4218	2.17E-10
K.AFEIAEDLKDILQPLFEK.H	15981	3	5.9339	SO_4349	0.245	2.74E-10
K.AQVLADTLDQAIGQLDSNK.S	13237	3	5.5428	SO_2629	0.4095	6.37E-10
K.TLDEGQKVSFTVTQGQK.G	5713	3	5.1382	SO_2787	0.3791	7.51E-10
R.TYDADRDFVISGGGGILIVEELEHALAR.G	15342	3	6.4496	SO_3072	0.4709	7.32E-10
K.INVIGGHSGVTILPLLSQVEGVTFSDDEEVASLTKR.I	13379	3	6.7238	SO_0770	0.5074	1.35E-09
R.FTTEEEIDHAIEVITQSIDKLR.E	16758	3	5.1984	SO_2264	0.5133	1.45E-09
R.FTTEEEIDHAIEVITQSIDK.L	14415	3	5.4651	SO_2264	0.3959	1.44E-09
R.LATDYLDGVEVAVGEVVVFENVR.F	13231	3	5.6712	SO_0932	0.4406	1.65E-09
K.ANDAAGDGTATVLAQAIIVTEGLK.A	10120	3	5.9917	SO_0704	0.4311	1.63E-09
K.GKPAVVFFYPLDFTFVCPSELIAFDHR.M	14451	3	5.6563	SO_2756	0.529	1.8E-09
K.GFAGEDPTPALVGADVLLISAGVAR.K	11305	3	5.9695	SO_0770	0.4303	1.86E-09
K.INVIGGHSGVTILPLLSQVEGVTFSDDEEVASLTK.R	13191	3	6.1104	SO_0770	0.5608	2.07E-09
K.LQSTDIEQQIDDASDKLAVNIGVEILK.L	12024	3	5.9812	SO_3546	0.4578	2.81E-09
R.RLALNITELAIQAQDKIVEK.R	13729	3	5.2982	SO_0014	0.4063	3E-09
R.DYLTDLFPPILELGTSK.M	14214	3	4.337	SO_2629	0.5289	3.46E-09
K.VAVIGGGNTAVEEALYLSNIAAEVHLIHR.R	12845	3	5.8079	SO_2303	0.5137	3.6E-09
R.AEASTNGVGLYAPIACAGPLLAQELDALK.A	12131	3	6.2582	SO_0932	0.4609	3.54E-09
K.AVAAHGVVFGEPTIDLDKLR.S	9001	3	4.6525	SO_0426	0.5428	3.43E-09
R.GQVLSKPGSINPHITFESEVYVLSK.E	8841	3	5.4506	SO_0217	0.4967	3.96E-09
R.KADDDFVFLVDDVHGGKPLEAR.I	11221	3	5.4188	SO_2477	0.4464	5.31E-09
R.FFQALAAQASVNIIAAQGSSER.S	13697	3	5.2132	SO_3415	0.4613	5.44E-09

K.TAEDFLGEEVTEAVITVPAYFNDSQR.Q	12186	3	5.6491	SO_1126	0.4684	5.71E-09
K.KGYVNSLGA LTGGQAVQQA.K.A	6652	2	6.3435	SO_1484	0.5589	1.76E-09
R.TINNEIVLATCGSAFK.N	7812	2	5.7445	SO_0228	0.5333	1.48E-09
R.YYGGCEYVDVVETLAIER.A	10481	2	6.347	SO_3471	0.5015	1.9E-09
R.GIHNVANYIVNEVDVYR.L	11496	2	5.412	SO_0225	0.6299	1.71E-09
K.YVQNESLSFQTGSGSASVK.M	5711	2	5.9011	SO_3842	0.5982	1.41E-09
R.ISVGIEHIDDIADVSALEK.A	15749	2	6.5123	SO_1095	0.5559	2.03E-09
K.SGLDIAANSLTDAELVVK.A	11564	2	6.3648	SO_1932	0.5665	1.36E-09
R.KGELSDAQYTEQLQQVTR.D	6339	2	5.9004	SO_0818	0.5664	1.68E-09
R.VDAL TGELSL LVSDTELATR.T	12661	2	6.2904	SO_2487	0.578	1.27E-09
R.IQSLIESGEG LPEGVDFTGK.F	8210	2	6.3545	SO_2222	0.5896	7.8E-10
K.SKFGLSAAQILTVVDQLK.Q	12574	2	6.0017	SO_1870	0.5654	1.23E-09
K.VVADFLSSVGVD.R.V	8544	2	5.0592	SO_3837	0.5494	9.01E-10
R.FVADTHVDALAIAGTSHGAYK.F	9384	2	6.245	SO_0933	0.5996	2.39E-09
R.IGAVHSVVFGGFSPDSIASR.V	9086	2	6.0883	SO_2743	0.5699	2.89E-09
K.GFPLVYVG DVVGTGSSR.K	9479	2	5.4028	SO_0432	0.5876	2.79E-09
G.FGFIEQESGPDV FVHFR.A	10647	3	4.6557	SO_2787	0.4207	7.32E-09
K.VKDFEVGDLTVVGGTVTDLK.T	8842	2	6.8904	SO_4317	0.4762	2.6E-09
R.KLAESFLANFTEELTK.A	12478	2	5.6337	SO_0014	0.5198	3.13E-09
R.TQLDEAHL LQVLEQEAK.D	9927	2	6.2621	SO_3715	0.502	1.13E-09
R.LRQETHLPLAAYQVGGEYAGIK.F	8272	3	5.1294	SO_2587	0.4636	8.03E-09
K.AQFTDSAVNNFGSAWTLVK.K	11848	2	6.2277	SO_2881	0.5434	3.68E-09
K.ATNHPGATGDGLDVALQAGAATR.D	6537	2	6.4245	SO_0970	0.5818	3.64E-09
K.LAAETSDASFAVR.S	5541	2	4.3888	SO_2644	0.6121	4.02E-09
R.ISIAGISEDNV DYLAQSIK.V	10296	2	5.9074	SO_2406	0.5678	5.28E-09
K.IFEDNSYTIGNTPLVR.L	7697	2	5.4036	SO_2903	0.5383	4.7E-09
K.VNHYDAIII AVSHNEFR.A	10168	2	5.4116	SO_3190	0.567	4.56E-09
K.ALNSGYLTGELLSSDQR.H	8096	2	5.4136	SO_4235	0.5642	4.86E-09
R.DIAGLSSISQAVPVSFVLT LTK.-	12471	2	6.3646	SO_2893	0.5522	5.7E-09
R.ALTEETGT TIELEDDGTVK.I	6284	2	5.7782	SO_1209	0.563	5.12E-09
M.SDKIIYLSDDSFENDVLK.A	8843	2	5.8273	SO_0406	0.5281	5.62E-09
R.VGLIVGTG GASSNQVQAADILR.E	8012	2	6.6556	SO_3072	0.537	6.06E-09
K.TGKPITGLYAAGEVTGGVHGANK.L	6580	3	4.9342	SO_0970	0.5151	1.02E-08
K.SFEYQHTVTLETGVIAR.Q	7486	2	5.7268	SO_1209	0.521	9.4E-09
K.YQIEVDGEVIQWTGQGR.M	8253	2	5.9014	SO_3146	0.4832	6.44E-09
K.ILVVVDPTTENQVALAR.A	7514	2	5.103	SO_2355	0.5817	9.37E-09
K.HNALVIFDEVQTGVGR.T	9074	2	5.3341	SO_0617	0.532	7.14E-09
R.FGQITDFTDLFAELR.A	12934	2	5.546	SO_0781	0.5611	6.5E-10
K.VLAGFAGGTADAFTL FER.F	11049	2	5.5014	SO_4162	0.5599	7.58E-09
K.SHIQSLLEQTIESFK.Q	12821	2	5.2465	SO_4123	0.5145	6.92E-09
R.YLSSVLFQGGFGDEENIQ.-	9369	2	5.4625	SO_2903	0.5676	7.11E-09
R.VPAGSVVVSGNLP SACGY.Y	5399	2	5.2356	SO_1625	0.5885	8.95E-09
K.GQYIAASYETNPSTDTPGNR.Y	4908	2	6.2266	SO_2583	0.5101	8.46E-09
R.IFILHADHEQNASTSTVR.L	7078	2	5.3155	SO_1926	0.5764	9.32E-09
K.ILLEGVHQSAVDVFER.A	10705	2	5.4862	SO_0862	0.5301	8.84E-09
R.NLGVGIAHSLIAYQATLK.G	10601	2	5.3378	SO_2635	0.5856	6.85E-09
R.ALIVTDKPLVNIGLVGEVAEK.L	9941	2	6.1656	SO_1490	0.5413	8.04E-09
K.FEDQVGKDVIEA AAVANK.-	8590	2	5.4885	SO_3134	0.5503	1.01E-08
R.DGTNSDAAVILNFAER.K	8684	2	5.4852	SO_0162	0.5025	8.4E-09

R.ELLSEYDFPGDDLPIQGSALK.A	9935	2	6.284	SO_0217	0.5418	9.26E-09
K.LGANAILAVSLAAK.A	9557	2	4.8939	SO_3440	0.5524	1.1E-08
K.FLAFVHAETSTGALSDAK.T	8459	2	5.3331	SO_4343	0.5684	1.08E-08
K.IIGIDLGTNNSCVAVLDDGGK.A	8703	2	5.3076	SO_1126	0.6119	1.06E-08
K.PAVVFFYPLDFTFVCPSELIAFDHR.M	14958	3	4.8317	SO_2756	0.5637	1.16E-08
R.ITSVIEYLAQFTEADFAAAATIHVSQPR.W	16436	3	5.0551	SO_4492	0.5708	1.19E-08
R.GTFPQLNLAPVNFDAFAQYVQQR.Q	12858	3	5.1302	SO_0052	0.4923	1.23E-08
K.EADAALGSANITVVK.N	5038	2	5.1084	SO_3471	0.5084	1.4E-08
K.IQGIGAGFIPGNLDIELIDR.V	10954	2	6.12	SO_2903	0.5067	1.27E-08
R.VPTVNVSLVDLSFIASR.D	10978	2	5.5067	SO_2345	0.5119	1.29E-08
K.SYTTIVADTDIEAIKR.Y	7306	2	5.1386	SO_3546	0.5601	1.43E-08
R.YVLSVAAEDLPLFTAICER.E	12017	2	5.4631	SO_3287	0.5638	1.37E-08
R.INVATYQSVSGTGK.K	4886	2	4.6424	SO_3070	0.5528	1.39E-08
R.KGAALNSVQIAEILVR.D	9898	2	5.5217	SO_3070	0.477	1.37E-08
K.VNFVTLTEYAADIK.A	10554	2	5.2558	SO_0049	0.4472	1.35E-08
K.TQVVVLGAGPAGYSAAFR.A	7977	2	5.118	SO_0426	0.583	1.53E-08
K.RLEVETSAGGIVLTGSAAEK.S	6766	2	6.3869	SO_0703	0.4948	1.34E-08
K.TIAELVEQFGLDITK.T	15015	2	5.2204	SO_3154	0.4878	1.48E-08
K.YIGGHGTTIGGIIDSGK.F	8127	2	5.7038	SO_1095	0.5031	1.58E-08
K.IIYLSDDSFENDVLK.A	9007	2	5.3452	SO_0406	0.4661	1.52E-08
K.GIQDDPAGNYVYGV.R.E	6820	2	5.0302	SO_0930	0.5448	1.62E-08
R.SGETEDATIADLAVGTAAGQIK.T	8183	2	6.1032	SO_3440	0.5371	1.72E-08
R.ILVPLTVSDTQLDAGLGILK.T	11032	2	5.918	SO_1276	0.5194	1.72E-08
K.ALVAGGISVLEVTLR.T	11006	2	4.6169	SO_2486	0.5743	1.9E-08
K.IGDHAEELGDLANQPEANIK.L	8695	2	5.9849	SO_2629	0.5282	1.89E-08
K.IFGDDDLVNATAVR.V	8874	2	5.2992	SO_3070	0.4665	1.81E-08
K.IGIIGLGYVGLPLAVEFGK.Q	13342	2	5.0853	SO_3190	0.5996	1.83E-08
K.HNLVLLEDACQAIGGSYK.G	9630	2	5.6642	SO_2476	0.5014	1.88E-08
R.ANNLGIGAQLGGLTTVLDVK.I	10005	2	5.4584	SO_2222	0.5908	1.8E-08
K.VSGNIAANALVNNDQYK.T	5956	2	5.5684	SO_2743	0.4856	1.98E-08
R.NAIPQTSILTITSNVVYVK.K	10093	2	5.2024	SO_2912	0.5799	2.09E-08
K.GTAADKFAALEAGVTTVR.S	7956	2	5.5844	SO_1933	0.5311	2.11E-08
R.NLHNWASSDQLENVFSASYK.V	9430	2	5.6839	SO_2583	0.537	2.26E-08
K.GDPAILASGAEDIHSFVESALIAK.V	15636	2	6.197	SO_0279	0.5656	2.17E-08
K.FNQIGSLTETLAIR.M	10261	2	5.1196	SO_3440	0.4882	2.2E-08
R.WPDTLIQFEDFAQK.N	10772	2	4.8068	SO_3855	0.5058	2.23E-08
R.ASQVNEAEVAQITIAFLAQYVPK.G	14798	3	5.0754	SO_0592	0.4719	1.59E-08
K.SLFAEYGLPVSEGFACDTAQEAVEAAGR.I	10546	3	5.1685	SO_1932	0.5422	1.63E-08
K.KLDNPVVSPDIGGVVR.A	7331	3	4.4525	SO_3837	0.4402	1.74E-08
K.QVIGILVDSVAEVVYLR.R	15918	2	5.27	SO_3202	0.5188	2.52E-08
K.ADAVVIAAGGFAK.N	6740	2	4.5968	SO_0970	0.5005	2.57E-08
K.TVGKPVETVPQIFVDEK.H	7879	2	4.8816	SO_2745	0.5717	2.63E-08
R.GVSACATCDGFFYR.N	7308	2	4.4556	SO_2303	0.5583	2.68E-08
K.ANQCDFVISLGGGSPHCAK.G	7251	2	5.6414	SO_1490	0.5347	2.73E-08
K.EAPIQASNAIFNPVTGK.A	7792	2	4.7086	SO_0242	0.613	2.75E-08
K.SSILGGYSQSALLVDYLIQK.W	12331	2	5.4205	SO_4396	0.5576	3E-08
R.GGIILSAADDEELYKK.L	7546	2	5.1791	SO_3471	0.4978	2.98E-08
R.ENIQEAEILAEALDAR.FAR.Y	13749	2	5.6512	SO_3737	0.483	3.09E-08
I.FEDNSYTIGNTPLVR.L	7040	2	4.5347	SO_2903	0.5671	3.16E-08

R.LPQLNAIYIPEGVDDAAVR.A	9014	2	5.5281	SO_4343	0.5206	3.29E-08
K.IVAINDLGDASINAH TK.Y	7610	2	5.3864	SO_2345	0.5155	3.38E-08
K.GFGFIEQESGPDV FVH.F	9415	2	4.7775	SO_2787	0.5528	3.41E-08
M.SVLVGRPAPDFTAAAVLGSGEIVDSFNLTAAIK.G	13115	3	5.4617	SO_2756	0.5511	2.16E-08
K.AVQAELEQFFDALHPK.F	12103	2	5.1783	SO_3262	0.4909	3.54E-08
K.DHELIEPTSGNTGIALAYVAAAR.G	8676	2	6.4477	SO_2903	0.4872	3.62E-08
R.TDANAADLLTSDCDPYDRDFVTGER.T	7931	3	5.4234	SO_1484	0.4363	2.25E-08
K.LIQQGWETVTEALK.H	9383	2	4.7896	SO_4349	0.487	3.8E-08
K.IGALLLTGSYEPEPEILK.L	9872	2	4.972	SO_2916	0.5664	3.78E-08
R.YEIERPPLPAIALSTDTSTITAIANDYSYDEIFSK.Q	12491	3	5.6695	SO_0298	0.5418	2.34E-08
K.DFEVGDLT VVG GTVTDLK.T	9175	2	5.7774	SO_4317	0.4543	4.04E-08
K.AYDVEHPEAGVAFR.G	6190	2	4.5758	SO_2756	0.5208	4.11E-08
K.NVETVHLDLTNLAVP VAVSGVDSNLLNPVNTWSD K.A	11248	3	5.3541	SO_0162	0.5785	2.53E-08
K.ALFCESIGNPAGNIVDLKR.L	8701	2	5.0224	SO_1095	0.5732	4.38E-08
R.EIPADILYQDELVTAFR.D	10807	3	4.3298	SO_2723	0.4535	2.77E-08
M.ATPHINAVEGAF AETVLFPGDPLR.A	11407	2	5.8346	SO_1221	0.557	4.77E-08
K.DTGKDYDAVNDPGVVS VTEIYNYYK.Q	9336	3	5.1652	SO_3546	0.4732	2.91E-08
K.TLSVAVNIPENLTLLGVK.A	10449	3	4.6359	SO_1490	0.4074	3.02E-08
R.DNTATVESISLITASILSK.K	11842	2	5.1326	SO_1218	0.5552	4.87E-08
R.LGTAEVESALVSHELVAEAAVVGYPHDIK.G	11328	3	5.6099	SO_2743	0.466	3E-08
K.LGTDVTLALDCAASEFYK.D	11173	2	5.5375	SO_3440	0.4789	5E-08
K.IVFADGVEVTQETLEK.I	7965	2	5.5252	SO_3409	0.4217	5.06E-08
R.ESVADFASNLSCWADAIVAR.T	13198	3	4.9504	SO_0277	0.3951	3.12E-08
K.AEEYGSHDKTFEIPADGVVNVIDASGK.V	8809	3	5.6118	SO_2629	0.429	3.2E-08
K.ILILDFGSQYTQLIAR.R	11654	2	5.305	SO_3292	0.4546	5.3E-08
K.ALLALTQVSAEDLTAAVLLK.D	12829	2	5.5081	SO_2017	0.5419	5.36E-08
R.AIIGEALSAVVR.L	9734	2	4.6568	SO_1174	0.4134	5.3E-08
K.IYDILATLDVDDVNALAK.V	11415	2	5.4663	SO_2644	0.4853	5.43E-08
R.IEELEQLLADALAK.V	12823	2	5.5994	SO_1524	0.3196	5.68E-08
K.GNAIVVHDNQLPEASPR.I	5288	2	5.4966	SO_0691	0.4786	5.77E-08
K.VVDGVITDEVEYLSAIEEGR.Y	11633	2	5.6613	SO_0224	0.5007	5.95E-08
K.SSLSHFDDLFTTLGHGR.I	10450	2	4.7374	SO_0049	0.5595	5.94E-08
K.VDAVDYEQTLSDALALADYLK.S	12913	2	5.8406	SO_3937	0.4989	5.92E-08
R.NTGAALSPHSAFLLQLGETLSLR.M	14262	2	5.4144	SO_1095	0.5888	6.27E-08
K.VEHDAEAIYVNGDK.I	4783	2	4.6373	SO_2345	0.4917	6.49E-08
K.IQLVGDDLFTVNTK.I	8781	2	4.5897	SO_3440	0.5002	6.44E-08
R.NIDDALKHPDVTSVEK.V	5935	2	4.8738	SO_2743	0.512	6.59E-08
M.ATVGLFFGSDTGNT EAVAK.M	8313	2	5.2247	SO_2330	0.5286	7.08E-08
H.IGV TASSDTFY PGQER.Y	6070	2	4.5558	SO_4133	0.5568	7.01E-08
R.ANLLVDGLSFGPADVGK.Q	9602	2	4.3685	SO_0018	0.6014	7.33E-08
R.GEVIADGPEAAHDILR.L	7068	2	4.8312	SO_0225	0.5129	7.55E-08
K.LNGLIEGTDFAGK.S	7026	2	4.6124	SO_2881	0.4503	8.08E-08
K.QILALGQPGDILLAISTSGNSGNVIK.A	11853	2	6.1143	SO_0298	0.5347	8.05E-08
F.IEQESGPDV FVHFR.A	8173	2	4.4087	SO_2787	0.5207	8.35E-08
K.GLSTSVGDEGGFAPNLLSNADALAVIK.E	8654	2	5.9661	SO_3440	0.5574	8.69E-08
R.GRPLESVV DIAVSKPR.F	8502	3	4.4552	SO_3415	0.3631	4.53E-08
K.ADLPVLVDFWAEWCGPCK.M	13510	2	5.6499	SO_0406	0.4392	8.9E-08
K.FQYDNAVTALEAAYS R.D	9561	2	4.7725	SO_0049	0.5153	8.86E-08

K.TFQENAAILATVAQK.G	7853	2	4.9362	SO_3420	0.4595	9.17E-08
K.AAASAAPVVQPLAAGR.S	5334	2	4.3003	SO_1931	0.5831	9.16E-08
R.VPVFYGHSEAVHIETR.Q	7108	2	4.9768	SO_3070	0.4815	9.48E-08
K.TLPVTADEAQFVEVIK.G	8821	2	4.599	SO_2201	0.5386	9.43E-08
K.VNFVTLTEYAADIKAPIAYPSDNLVNTLGEVLQNR.G	14027	3	6.1813	SO_0049	0.4478	4.78E-08
R.GETQALVTCTLGTER.D	6212	2	4.6102	SO_1209	0.5104	9.68E-08
R.LKGNTGENLLQLLETR.L	10921	2	5.1389	SO_0255	0.4549	9.82E-08
K.VVNLGDEVEVLVLDIDEER.R	13894	2	5.5821	SO_2402	0.4665	1.04E-07
K.AVLVNIFGGIVR.C	11230	2	4.4168	SO_1932	0.4351	1.05E-07
K.DAAEALFQNLFFSEER.Y	12724	2	5.161	SO_0224	0.4477	1.07E-07
K.SLLAASESLAESVNGEVVVK.L	10031	2	5.4765	SO_0278	0.4971	1.14E-07
R.VGPGELLVLDTLNGR.L	11615	2	4.6758	SO_1325	0.4935	1.13E-07
K.NKDVDDIIINTFYVHK.Y	9996	2	5.3027	SO_0655	0.388	1.14E-07
K.CLSCVPGLSPVSFSPAIVEK.L	8514	2	5.322	SO_4343	0.5166	1.13E-07
R.LAADVSGVETLVIAR.T	8236	2	4.9286	SO_1484	0.4522	1.13E-07
K.AALEQTLATGDVTFFSR.S	9330	2	4.9731	SO_2067	0.4984	1.19E-07
R.LLAEHYVIGFSFPVVPK.G	12220	2	4.9123	SO_4674	0.5287	1.19E-07
K.DNTTIIDGNGEQAQIEAR.V	5092	2	5.1644	SO_0704	0.4934	1.22E-07
R.AFNFDLPLVAVDEQR.A	10583	2	4.6443	SO_3413	0.4967	1.18E-07
R.NLEVQQTICSILDSLVPK.N	18855	2	5.6156	SO_3188	0.4306	1.22E-07
K.AQLISLLSLDVR.N	11014	2	4.2371	SO_4055	0.4665	1.21E-07
R.ALDSFIAAVTEGLKEGDK.I	12284	2	5.2214	SO_1797	0.4862	1.21E-07
K.AFSIAGGDTLAAVDKYGIADK.V	8486	2	5.2445	SO_0932	0.553	1.26E-07
K.IADVEVANEDQK.H	3962	2	4.0913	SO_0704	0.4945	1.26E-07
R.ILFLEGVPNVAAR.E	9534	2	4.6161	SO_1112	0.4306	1.27E-07
K.VILVGNLQGDPEVR.Y	7363	2	4.3048	SO_4028	0.5219	1.25E-07
K.AVNESLAQLILTLADTSK.A	13550	2	5.3673	SO_3991	0.4604	1.38E-07
R.PAPDFTAAAVLGSGEIVDSFNLTAIAIK.G	12433	2	6.2564	SO_2756	0.5107	1.42E-07
R.HVLEADLVIGGVLPIGAAAPK.L	10283	2	4.991	SO_2304	0.5618	1.44E-07
K.VSYISTGGGAFLEFLEGK.E	12242	2	5.5019	SO_0932	0.4393	1.46E-07
K.FLNENIVNEIINR.T	10196	2	4.529	SO_2433	0.4407	1.49E-07
R.YTYLAALGFAQK.N	9226	2	4.0526	SO_3599	0.4962	1.46E-07
K.GYVNSLGALTGGQAVQQAK.A	6898	2	5.4689	SO_1484	0.4669	1.48E-07
K.ANGLEALFDATLAEVK.S	13059	2	4.8351	SO_1219	0.4851	1.47E-07
R.TELTQYLADFLR.V	12848	2	4.3359	SO_2621	0.4367	1.52E-07
R.IGAVTVVAHNADEAVR.A	6179	2	4.3271	SO_2350	0.5587	1.54E-07
K.GQALGTIGDVGCSYFDSVK.T	7970	2	5.1873	SO_2476	0.5015	1.56E-07
R.NAEGVVLFEVDDEYPTAVTHAAGTDPVYVGR.V	8625	3	5.5264	SO_3070	0.4746	7.15E-08
R.IDTDWYSLVAR.I	9182	2	4.135	SO_0611	0.4282	1.7E-07
M.SEFLEILTHGR.R	10326	2	3.8796	SO_3146	0.484	1.76E-07
R.LYFEPVTLEDVLEIVR.I	14495	2	4.3611	SO_1142	0.5484	1.76E-07
R.VDPITPVIGIVEGSALWR.Q	12494	3	4.4774	SO_2730	0.411	7.52E-08
R.IINEPTAAALAYGIDKK.Q	7565	2	5.0243	SO_1126	0.4718	1.9E-07
R.SGTLPTHQIVGLGEASAIK.A	7244	2	5.3908	SO_2264	0.4863	1.93E-07
K.SFIYLQGIELDFVK.E	11841	2	4.4896	SO_2266	0.4716	1.98E-07
R.VGDEVEIVGIR.T	6823	2	4.0918	SO_0217	0.432	1.96E-07
K.ELSEAQIDTLREEVAK.Y	7269	2	4.9863	SO_0253	0.4481	2.05E-07
R.IYLYNTDRDTIVEYVEDIVK.V	13149	3	5.457	SO_0691	0.2246	8.49E-08

K.ISLVGFGTFEVR.E	10260	2	4.3228	SO_1797	0.4255	2.11E-07
K.YAGLSETALYYIGGIK.H	12749	2	4.1379	SO_4410	0.5902	2.13E-07
R.AIDAIVSGELK.N	9351	2	4.3873	SO_0162	0.4098	2.22E-07
R.GIGDVLITFESEVNNIR.Q	13913	2	5.172	SO_3599	0.4433	2.24E-07
K.LIGADGIIFQNLPLDIEAVR.M	13462	2	5.1194	SO_3064	0.5105	2.42E-07
K.SLRPINADNVYENTVR.G	6600	2	4.7774	SO_2489	0.4739	2.4E-07
R.GVTPQELEANPANR.V	4942	2	4.7304	SO_2433	0.42	2.44E-07
R.LGTGANVYLASAELAAVAALLGR.L	14983	2	5.3582	SO_0432	0.5285	2.41E-07
R.NGLVLSAEEIQFFVK.G	11092	2	4.3507	SO_1218	0.5138	2.46E-07
K.AHVTKPVVSYIAGVTAPAGK.R	7444	2	5.0476	SO_1933	0.5176	2.52E-07
R.IVAAAIEQNFDDR.G	6998	2	3.9543	SO_3154	0.5257	2.51E-07
K.LTAAEVDALANYFANIK.-	11782	2	5.1096	SO_4048	0.4478	2.5E-07
K.NICDIDGVLLHDNK.L	11738	2	5.1767	SO_2762	0.3758	2.49E-07
R.EAPAIEYDLFVHLR.C	10695	2	3.9973	SO_0740	0.544	2.57E-07
K.KTEVSAVSIVVAAAK.K	8049	2	4.8325	SO_4133	0.4339	2.56E-07
R.RPYTAEVVALR.G	6817	2	3.9597	SO_1484	0.4911	2.59E-07
R.VDEWGDIAIYSGSQK.C	8120	2	4.1874	SO_4343	0.5375	2.57E-07
K.AEDIPTLADNALK.D	7004	2	4.2941	SO_1490	0.4629	2.56E-07
R.NPLELVDVADLLK.D	11701	2	4.3001	SO_2433	0.4605	2.63E-07
K.DSSNSVDNLQLIAINDAIR.H	8830	2	5.9852	SO_4349	0.3718	2.65E-07
K.IEYIIRPGEPNSGFVFK.S	8959	2	4.6771	SO_0842	0.5069	2.72E-07
R.EILGATNPAQAAPGTIR.A	5819	2	4.5931	SO_2274	0.5177	2.79E-07
K.SATPEQAQEVHAFIR.K	6468	2	4.1858	SO_1200	0.5341	2.81E-07
R.VETDEDSGETILK.G	4996	2	4.1489	SO_0842	0.4849	2.88E-07
R.HSNLLILGSGPAGYTAAVYAAR.A	9381	2	5.2672	SO_2303	0.516	2.98E-07
M.SVLLPLIGVIACNQR.L	11952	2	4.4659	SO_1267	0.4875	3E-07
R.EYTSYLAYADGKPVVICSTGIGGPSTSIIVEELAQL GVNTFLR.V	14066	3	5.5025	SO_4133	0.5664	1.12E-07
K.VTSGSTPEVAEYVDQLYK.S	8493	2	4.841	SO_3190	0.4998	3.07E-07
R.KASQNAIAAFGAILPELLGGSADLAGSNLTLWAGS K.G	14974	3	6.3331	SO_0930	0.406	1.14E-07
K.NFLGIDFVQADYLSGLGK.K	11743	2	5.0968	SO_0618	0.465	3.06E-07
K.AAQIPEYSALIDNAIAWAK.L	11625	3	4.9047	SO_3546	0.3198	1.17E-07
K.HATWVAQIVEFASADLQQLK.Q	16591	3	4.7867	SO_1327	0.3801	1.18E-07
K.FNQDFFAGYSPER.I	8021	2	4.3246	SO_3190	0.4475	3.22E-07
K.VLPYGEVSAFEANAR.D	7782	2	4.8455	SO_0770	0.4217	3.24E-07
R.GYLSPYFINKPETGSVELDHPFVLLVDKK.I	11517	3	5.3092	SO_0704	0.4596	1.24E-07
K.NLSLILEKGEVFANLK.K	11037	2	4.9641	SO_4492	0.432	3.26E-07
K.LDNGEYDAIILAAAGLIR.L	12609	2	5.0844	SO_4313	0.4632	3.33E-07
M.ALHSIEEIIEDIR.Q	11694	2	4.3348	SO_3467	0.4412	3.57E-07
R.SPATGNIGLENTEVQLDSK.G	6268	2	4.6939	SO_4702	0.5308	3.56E-07
R.GITINTSHIEYDTPSR.H	6174	2	4.7919	SO_0217	0.4549	3.59E-07
R.KDVNPDEAVAVGAAIQAGVLSGDVK.D	9230	2	6.0054	SO_1126	0.471	3.64E-07
K.TFVKEPLCEDTLNR.F	6386	2	4.2685	SO_2489	0.4842	3.69E-07
R.IIVIDINESKFELAGK.L	9117	2	4.8484	SO_A0161	0.4446	3.72E-07
K.ALFCESIGNPAGNIVDLK.R	8966	2	5.4199	SO_1095	0.4109	3.75E-07
R.VDAVPFDVAVFTNLTR.D	11528	2	4.8337	SO_4224	0.446	3.81E-07
K.TPNGVLEETAFFGTLLPLFAK.L	14570	2	5.0043	SO_A0100	0.5217	3.79E-07
K.IVAGCANNQLAEVR.H	5010	2	4.726	SO_2638	0.4012	3.85E-07
K.TTGPEIWNDDGAVDVFVAGVGTGGTITGVSR.Y	10285	2	5.2778	SO_2903	0.5977	3.89E-07

K.YPFTGFAGLNTLFVALCHQPEFK.A	14467	3	4.8943	SO_3664	0.4238	1.42E-07
K.QALPDAAQVNINTASAEQLQLLK.G	8350	2	5.404	SO_1813	0.5035	3.96E-07
R.VLFPYFAGFNGLLAEGGDFAAIDK.V	13784	2	4.9346	SO_0021	0.5632	4.05E-07
R.NIGEIIELAGCDR.L	9370	2	4.3147	SO_3546	0.4396	4.07E-07
R.LTIGPSLLEELANSQLAIQPK.L	12277	2	5.7216	SO_3546	0.4326	4.15E-07
K.GATEEAPLVALIVR.G	10528	2	4.1268	SO_3154	0.5035	4.13E-07
R.AKLESLVEDLIIR.T	12768	2	4.7774	SO_1126	0.3461	4.21E-07
R.VHYNPSTAQLVEFALLR.G	11200	3	4.3865	SO_0162	0.3723	1.54E-07
K.VGDVVFIFNEGYGVK.K	7771	2	4.5215	SO_0703	0.4326	4.4E-07
R.GGIILSAADDEELYK.K	7833	2	4.3209	SO_3471	0.4944	4.46E-07
R.VHIGLEDPEDLIADLSAGFER.F	13381	2	5.4468	SO_2191	0.4628	4.47E-07
R.NLVQVAELIIR.C	13815	2	3.8863	SO_1341	0.4436	4.49E-07
K.DEGAQVLLGGSQCLEGEQSK.G	8352	2	5.0586	SO_4480	0.5082	4.53E-07
R.VGVGSQILASLGVTK.M	10332	2	3.9602	SO_3467	0.5476	4.73E-07
K.NALEPHISQETIEYHYGK.H	6763	2	4.5641	SO_2881	0.5185	4.81E-07
K.GAIDNDGFSPEVIAPGVIER.K	9118	2	4.9306	SO_4749	0.5207	4.8E-07
K.LLVANTHDTILCFSDFGK.M	10081	2	4.9881	SO_2411	0.4603	4.93E-07
K.GFDSVLVAIK.H	8720	2	3.5878	SO_2644	0.4617	5.04E-07
K.FGFLLEALR.Y	12864	2	3.9756	SO_2433	0.2882	5.03E-07
R.AADLGLETIVIVER.F	8009	2	4.4162	SO_0426	0.4101	5.14E-07
K.YVDEGFFDGTIFHR.V	10042	2	3.8962	SO_1790	0.5319	5.24E-07
K.IATDPFVGTLTIFIR.V	10630	2	4.1861	SO_0228	0.4839	5.23E-07
R.GVLPIYFDSTIYPADELAQK.A	10366	2	5.0153	SO_2491	0.4922	5.18E-07
R.NPYIDPLNFLQTELLAR.T	13122	2	5.7447	SO_0274	0.3171	5.22E-07
R.ACAEAGVYLISPFVGR.I	9657	2	4.4818	SO_3546	0.4863	5.28E-07
K.QVVEAWANADWYLSRPK.L	9398	2	4.6768	SO_0432	0.4794	5.34E-07
M.IGGFSAYSGIVDWAR.M	9989	2	4.4205	SO_3471	0.4697	5.52E-07
K.ASLGDEALHESIKDAHFIGIR.S	10034	3	4.5787	SO_0862	0.4339	1.82E-07
K.SYDELIDIAYYLAR.K	12991	2	4.7829	SO_0333	0.3747	5.56E-07
K.GAALNSVQIAEILVR.D	10220	2	4.6813	SO_3070	0.4252	5.72E-07
M.AEVANNEQQAPQFNIQR.V	5380	2	5.0758	SO_0052	0.4178	5.74E-07
R.IIEGEALLAEQWIGIHAVGR.G	11533	2	5.4151	SO_0876	0.4381	5.72E-07
R.LSVGIEDADDLVADIQAGLAAVAACQ.-	15115	3	5.0394	SO_4056	0.4414	1.92E-07
K.LLDLGEEIGLATVYR.V	10773	2	4.3078	SO_1937	0.4849	5.91E-07
R.AIIAPSFADIFYGNSINNGLLPVK.L	12271	2	5.2153	SO_4233	0.5191	6.01E-07
R.FVQGLIDSNDLPLNVSR.E	8732	2	5.1428	SO_2016	0.4056	6.03E-07
K.LVQNPPAGEEAFVLDLLENR.I	11638	2	5.4503	SO_0432	0.431	6.08E-07
K.GYFTFDPGFLATASCESAITYIDGDQGILLHR.G	13011	3	5.0663	SO_1926	0.5126	1.98E-07
K.TEATQLGVALAEELLSK.G	12803	2	4.7036	SO_4313	0.4691	6.24E-07
R.VYFANSAGAEANEALK.L	5766	2	4.3745	SO_0617	0.4956	6.23E-07
R.GSFVQLDDVLAAQR.K	8765	2	4.5572	SO_2477	0.4107	6.33E-07
R.GAEPHAVVFLTCDVSGVLPPVSILSK.E	11234	2	5.7278	SO_0162	0.4875	6.53E-07
K.LLQGLPAEAEVYPK.Q	7324	2	4.304	SO_3070	0.4535	6.68E-07
R.SGQILWPTDFSETAAHALR.Y	9908	2	4.7575	SO_3681	0.4957	6.95E-07
G.FIEQESGPDVVFVHFR.A	8958	2	4.0267	SO_2787	0.5222	6.94E-07
K.TPIVVNDPCGFFVNR.V	7950	2	4.359	SO_0021	0.4698	6.99E-07
K.VNCEAELEIANYFR.I	9614	2	4.4423	SO_2017	0.4268	7.05E-07
R.ELAQLIIDNLPASAYVAK.V	11141	2	4.5413	SO_4123	0.5053	7.18E-07
K.LGSEEITADIPNVGESALSK.L	7596	2	4.9432	SO_0224	0.4869	7.32E-07

R.ELIGLTGIQNYLQSQISES.-	11054	2	4.6717	SO_1111	0.5031	7.58E-07
R.DYQGTLNIAVDLVNEAESTLGEK.G	15813	2	5.4179	SO_1656	0.4745	7.75E-07
K.ITDTTLTEVFLAK.Q	9337	2	3.9857	SO_2619	0.4742	7.75E-07
K.ALGANLVLTEGAK.G	7018	2	3.9193	SO_2903	0.4855	7.89E-07
K.FSNEQAYLYR.K	5927	2	3.6004	SO_4509	0.4396	7.95E-07
K.AVTPAGNTAAICIYPR.F	6532	2	4.2112	SO_1217	0.509	8.09E-07
R.GTVVDIDALTVALK.E	9564	2	4.719	SO_0862	0.3703	8.07E-07
K.VAEIHDLGIGR.S	6293	2	3.6204	SO_0958	0.4765	8.21E-07
K.LNEYQAAVGLCLLESIDDIICHR.S	16374	3	4.787	SO_3185	0.4228	2.49E-07
K.SYQVDTDALAPLKK.V	6448	2	4.2341	SO_0409	0.4566	8.29E-07
R.YGDDDFVAFK.A	9660	2	3.5463	SO_3682	0.4913	8.38E-07
K.VDELIAQGLQVISLVEGVTANR.D	15382	2	4.6362	SO_1518	0.5424	8.64E-07
R.AAVEEGVVPGGGVALIR.V	7378	2	4.8976	SO_0704	0.4262	8.82E-07
R.VFAYATHPVFSGK.A	7055	2	3.6481	SO_3837	0.5283	8.87E-07
K.KQEDVGSIQFANDSAVVKK.E	6019	3	4.7199	SO_3545	0.3327	2.66E-07
K.AFSIAGGGDTLAAVDK.Y	7181	2	4.1918	SO_0932	0.5078	8.93E-07
K.GVTVELADTVEGYIR.V	10242	2	4.1387	SO_2402	0.4939	9.11E-07
K.LQEIFPEHEIVGVPAR.E	8024	2	4.4257	SO_0887	0.4721	9.16E-07
K.VIPSIAYTDPEVAWVGLTEK.E	10461	2	4.573	SO_0426	0.522	9.25E-07
R.IEQFEVVSESR.N	5979	2	4.096	SO_4749	0.3636	9.35E-07
M.SKIFEDNSYTIGNTPLVR.L	7798	2	4.9982	SO_2903	0.4319	9.38E-07
K.VGFTLAESSEINANPK.D	6897	2	4.5731	SO_2583	0.4484	9.44E-07
R.SDYPNQVNNVLCFPFIFR.G	12269	2	4.4412	SO_4118	0.5041	1.02E-06
K.LGILDAAVEDVAQGLVWR.G	13074	2	4.7919	SO_2621	0.4747	1.04E-06
R.LSNTPAVFWLDANR.A	9535	2	4.1897	SO_2629	0.4539	1.06E-06
R.VDIDSFTDELLR.L	8742	2	4.2299	SO_0224	0.4146	1.08E-06
R.AGVLQSSFIAEVK.S	8225	2	4.5452	SO_4349	0.352	1.07E-06
R.IGVVVTGDADEETLK.H	5962	2	4.0432	SO_1630	0.5015	1.09E-06
K.LGIDTLEVLEAAGTK.W	9839	2	4.0316	SO_3190	0.5031	1.09E-06
K.LEPNEEGAGYEFINAIVGGVVPR.E	12395	3	5.0772	SO_0228	0.3534	3.34E-07
R.WDSLGEFLAALASLEHLSQTVGNPK.A	16533	3	4.7763	SO_2629	0.4488	3.38E-07
R.EDLNPVPSNGVVTSDAR.L	5578	2	4.9086	SO_0932	0.412	1.19E-06
R.LVDIEQVNSTR.A	5497	2	3.6795	SO_0256	0.4476	1.21E-06
K.YGLLIEDYGLLAR.A	11163	2	4.3713	SO_3341	0.382	1.21E-06
R.NVALEEQAWEALLK.T	10474	2	4.2688	SO_1793	0.4345	1.22E-06
R.IFDNAVIDGAETK.Y	6414	2	4.6784	SO_1625	0.3179	1.23E-06
R.DLGGVFLDLR.D	10460	2	3.7833	SO_2433	0.4244	1.22E-06
R.QTDELTLGLSSIVLDVGQR.G	10464	2	5.3745	SO_0225	0.3901	1.22E-06
R.IGVLLLGVGNGIEAWVK.L	12562	2	4.6971	SO_4055	0.4417	1.23E-06
R.LFEQDVVGSIAWADAIASVGIITATECSDLKK.A	16341	3	5.8301	SO_0279	0.3802	3.64E-07
K.TGAAAAGLVVPELQGK.F	8226	2	4.6198	SO_2345	0.4515	1.28E-06
K.TILISAVPSLDTGVCALQTK.R	9215	2	4.5149	SO_3341	0.5151	1.3E-06
K.ADKLDLVASPLEFAPEALIR.D	11318	2	5.678	SO_3154	0.3683	1.3E-06
K.GGYFPVAPVDSSQDLR.S	7213	2	4.0205	SO_4410	0.5163	1.33E-06
R.DVDAPILAAELLK.T	10222	2	3.88	SO_1483	0.4696	1.38E-06
R.YDIDIPLVPEVNPHAIADFR.N	11015	2	4.97	SO_3070	0.4727	1.39E-06
R.TTPSIAYTDDETIVGQPAKR.Q	7488	2	4.5908	SO_1126	0.5163	1.4E-06
R.DAIVAEFETLGLLEK.I	11888	2	4.817	SO_3424	0.3629	1.41E-06
K.ASLATESFISAASFQETTR.V	8639	2	4.5959	SO_0225	0.4872	1.41E-06

K.TGEDIPISAR.R	4606	2	3.9116	SO_2087	0.3344	1.42E-06
K.LVSEPGVGTIATGVAK.A	5997	2	4.1001	SO_1325	0.5015	1.45E-06
K.NLLTSAYPVINAVSGVTGAGR.K	10860	2	5.0565	SO_0275	0.4596	1.49E-06
K.NVAALSHIPFEGFIDGSDKGDTEALAK.V	10206	3	5.2169	SO_3420	0.3963	4.3E-07
K.AQAFIQECQAK.G	4510	2	3.8662	SO_0930	0.3957	1.54E-06
K.FEQNPHDLVLLLELCK.A	10829	2	4.0385	SO_2017	0.5073	1.56E-06
R.TLFVQSLKDEGVTQDFSISR.Q	10502	2	4.9151	SO_2350	0.4736	1.59E-06
R.IVELLSNSPVVSK.V	7093	2	3.6312	SO_4056	0.5072	1.61E-06
R.VGDLFNAELFAEK.L	9548	2	3.8993	SO_3937	0.4595	1.62E-06
K.VLCTASFTEGVPR.F	6586	2	3.8484	SO_4256	0.4682	1.64E-06
M.TAITHVYNYTVR.C	6187	2	3.6067	SO_1489	0.4837	1.66E-06
R.SSVWEILIHNSAGELTCISR.M	12563	2	4.3664	SO_1068	0.5224	1.67E-06
K.ANPAAEILTLLK.D	11993	2	3.9463	SO_4136	0.4161	1.67E-06
R.AVLEVAGVHNVLAK.A	7255	2	4.0088	SO_0248	0.4659	1.68E-06
R.VVQELLFGESELVASGR.A	9331	2	4.3686	SO_2350	0.4925	1.72E-06
K.LINYLLRPEVIAPISNYVAYANPNDLAQPLVDEAIR. N	12336	3	5.2467	SO_1270	0.4928	4.84E-07
K.TLDIDLVLTAHPTEISR.R	9641	2	3.9866	SO_0274	0.5274	1.71E-06
A.ADEAKTDPVTEDGVVK.I	4321	2	4.6943	SO_0554	0.4044	1.7E-06
R.VLTCELTAINQYFLHAR.M	11361	2	5.0706	SO_1111	0.3712	1.72E-06
R.NAIPQTSILTITSNVYVYGGK.T	10055	2	4.8322	SO_2912	0.4652	1.73E-06
K.QADFIESVADALQYISYYHPK.D	15249	2	4.8247	SO_2222	0.4807	1.73E-06
R.SWTDTLAELKDIFAK.T	13072	2	4.3435	SO_0541	0.4339	1.76E-06
K.ILATAAEVFTK.A	7510	2	3.8957	SO_2304	0.3832	1.75E-06
K.IGTIAALIEYR.N	10224	2	3.8825	SO_3467	0.3856	1.78E-06
R.GIENGANSILIK.F	8269	2	4.2769	SO_3440	0.3833	1.8E-06
R.LPVLGIELDSR.V	8819	2	3.9508	SO_0611	0.3685	1.83E-06
R.ETLNADLPLFVDHFR.Y	10631	2	3.9963	SO_4480	0.4869	1.86E-06
K.YILLQQFNPNPANPEIHEK.T	8588	2	4.6368	SO_2903	0.4526	1.89E-06
R.LLVDAFSPVAR.I	7734	2	3.9188	SO_0256	0.4157	1.92E-06
R.DVAEILVEGLR.R	10565	2	4.0149	SO_4741	0.3508	1.93E-06
K.KANIFFVADDVFPQTLDVVK.T	11499	2	4.8086	SO_0781	0.4617	2.02E-06
R.LVLCVDLTYVER.F	11162	2	3.6977	SO_1368	0.4578	2.03E-06
R.LPLPTTTIGSFQTPAIR.G	9711	2	4.6559	SO_0818	0.4644	2.04E-06
K.DVSFETPNPSPAVFQK.E	6854	2	4.4767	SO_0052	0.4053	2.04E-06
K.TFTNAADVAVETR.D	5576	2	4.2703	SO_2629	0.3778	2.1E-06
K.AKLELPGNDSIELPVK.Q	8060	2	4.5233	SO_1926	0.4215	2.15E-06
R.EIAYFFSAEELCPR.T	9789	2	4.2977	SO_2274	0.4051	2.15E-06
K.VSDNPFYLSIFNAFGDACR.R	12612	2	4.4179	SO_1267	0.4923	2.16E-06
K.IYYIVADSHEAAANSPHLELLR.K	9199	3	4.2934	SO_2016	0.4649	5.83E-07
K.VDVFPDDNVGDVIGDLNR.R	9197	2	4.7096	SO_0842	0.4549	2.17E-06
K.TDVLLDEV.R.A	6839	2	3.5876	SO_0432	0.3411	2.19E-06
K.LFVLDTNVLLHEPLAISYFK.E	13351	2	4.6373	SO_0576	0.4791	2.2E-06
R.AIAETLVEAGAVVIGTATSEK.G	13142	2	4.9056	SO_2776	0.4607	2.23E-06
R.FAPSLVIPEADIAEGLAR.F	10029	2	4.5072	SO_0617	0.4628	2.26E-06
R.VLENAEGDRTPSIAYTDDETIVGQPAKR.Q	7824	3	5.3168	SO_1126	0.4115	6.06E-07
R.DVNIALINELSIIFNK.L	13472	2	4.438	SO_3190	0.4322	2.28E-06
K.VIIESGVLADPVLIR.R	9436	2	4.1934	SO_1217	0.4472	2.29E-06
R.APITVDNFLTYYVK.G	11202	2	4.0682	SO_3812	0.4419	2.34E-06

K.IDAAEALPESIAK.A	6406	2	4.5538	SO_0298	0.3141	2.37E-06
A.PVTPGVAVDLSHIPTAVEIK.G	11277	2	3.7897	SO_0770	0.5717	2.41E-06
K.ANLIDALESALYCAK.V	13007	2	4.1361	SO_1902	0.4542	2.41E-06
K.LAGDAQIDSLNIVEK.H	7030	2	4.573	SO_2410	0.3818	2.41E-06
K.ALLAGDAEVVSNIYR.Q	8299	2	3.7025	SO_4510	0.5199	2.45E-06
K.TFQENAAILATVAQKGDQAEIK.Q	8549	2	4.9515	SO_3420	0.4653	2.45E-06
R.ELGVPAVVGCGDVTDR.I	6498	2	3.8644	SO_2644	0.5131	2.48E-06
R.ALDSFIAAVTEGLK.E	12121	2	4.7039	SO_1797	0.3214	2.55E-06
R.YTLAGTEVSALLGR.M	9578	2	3.9249	SO_4747	0.4628	2.54E-06
R.VVEAPAVVIDDQNKLDALFK.S	10175	2	4.9169	SO_2487	0.4383	2.56E-06
K.QGLIATCSEEKQEVILTGVVEAQHLVK.D	10559	3	5.0179	SO_0409	0.4127	6.71E-07
K.LIPLVILNALEGKPLPIYGK.G	14607	2	5.0956	SO_3188	0.4154	2.57E-06
R.SCALITGIETVLADDPNLR.V	12592	2	4.7676	SO_3469	0.4708	2.59E-06
K.VIGVAKDEFQDEYRDLVILALK.T	11316	3	4.7054	SO_2489	0.3993	6.83E-07
R.FVPTLSDLAALQYTGTTGLSK.G	9936	2	5.3119	SO_3664	0.4209	2.62E-06
R.LPESALADEIQR.L	6487	2	3.7882	SO_2587	0.4291	2.62E-06
K.LGTDVTLALDCAASEFYKDGK.Y	11336	2	4.8446	SO_3440	0.461	2.64E-06
R.EHLLPLLSEQVIVTQGFIGADEAGQTTTLGR.G	12203	3	5.3337	SO_3986	0.416	7.06E-07
R.APFAVVGEAIQEQHLTADSHFDNNPIDLPLEVLL GK.A	14716	3	5.8145	SO_3287	0.4161	7.03E-07
K.NSYGQYLLGLVEIKK.-	10909	2	3.9563	SO_3186	0.4772	2.73E-06
A.VLGAAGGIGQALALLK.T	14581	2	4.7353	SO_0770	0.4017	2.76E-06
K.TNTTELEVPEYIVGK.Y	8755	2	4.4475	SO_0224	0.4226	2.76E-06
K.RPLCQDGTGIVTTFVK.V	7738	2	4.1067	SO_2222	0.4518	2.86E-06
K.EGVQEDILEILLNLK.G	14991	2	5.2184	SO_0256	0.2545	2.85E-06
K.VLEGAILGNLFFEPSTR.T	11702	2	4.3539	SO_1301	0.4561	2.85E-06
K.IPDSICSICGAILAYLK.N	9943	2	3.8556	SO_4190	0.5236	2.87E-06
R.ALCVVTVSDHIR.T	6762	2	4.004	SO_1221	0.3797	2.93E-06
R.SATILAEQLDAFVELR.D	11974	2	4.195	SO_0256	0.4573	3.02E-06
R.HFEQINNHHVVLNVEK.M	7706	2	3.9767	SO_3962	0.4885	3.08E-06
R.AFAVAHQNLVNEK.I	5920	2	4.3705	SO_0333	0.34	3.12E-06
K.AEDIPTLADNALKDACGFTNPK.Q	9241	2	4.7018	SO_1490	0.4826	3.17E-06
A.NNEQQAPQFNIQR.V	5239	2	4.1212	SO_0052	0.3885	3.22E-06
K.DYNLEIGAGLGALAGK.A	9040	2	4.3422	SO_4343	0.4321	3.24E-06
R.SSALLGLYQALINEVK.A	14542	2	4.5941	SO_1175	0.3924	3.26E-06
K.SGVLTGLPDAYGR.G	7059	2	3.7015	SO_2912	0.4658	3.27E-06
K.GVLTAVANVNGPIR.T	7560	2	4.3834	SO_3440	0.3713	3.27E-06
K.AFDLVAEGVSLLSSK.Q	12164	2	4.0295	SO_3951	0.4574	3.35E-06
K.VFDSNGFSDFLK.S	9229	2	3.7263	SO_3440	0.431	3.36E-06
K.VPVLPEVADATIAWHVK.V	10334	2	4.1625	SO_1931	0.5055	3.37E-06
R.FLFENADELALQLTQFTGGSLR.N	15130	2	5.3518	SO_1115	0.4053	3.38E-06
K.SLGQFNLDGIEPAPR.G	8161	2	4.103	SO_1126	0.4451	3.4E-06
K.FIYYVGPVDPVGNVGPAGPTTATR.M	8711	2	3.8907	SO_2222	0.5883	3.42E-06
R.SGYDIVVPSNHFLAK.Q	7777	2	4.2541	SO_1270	0.4203	3.42E-06
R.FNSFLVESLLEGALDTLKR.F	17199	2	4.6033	SO_3466	0.4494	3.45E-06
R.LTELGTQYSPIGEVVNEK.S	7640	2	4.7768	SO_2487	0.4072	3.49E-06
R.VAVAHGLNYYEVPQWDTLEVFDLQSR.R	11650	3	5.0216	SO_2596	0.4153	9E-07
M.TESFADLFEQSLQTLFPRGSSVR.G	14756	3	4.4564	SO_2402	0.4517	8.93E-07
K.APIAYPSDNLVNTLGEVLQNR.G	11373	3	4.7573	SO_0049	0.3313	9.2E-07

R.VVAVDVFYPGTEDVLAPR.N	9387	2	4.396	SO_0225	0.4591	3.54E-06
M.TDTSNTTIFELADQFIALANQLSQEGDVGK.V	15974	3	5.2086	SO_3656	0.4247	9.1E-07
R.AGGFCLGGK.I	5402	2	3.4714	SO_0432	0.3534	3.56E-06
R.LVSGDLNSQTLADKVK.V	6045	2	4.7979	SO_3842	0.3551	3.57E-06
R.GNVVTVIDTR.S	5730	2	3.5003	SO_3202	0.4003	3.56E-06
K.AIELIQGNLVNAVK.Q	8194	2	3.7273	SO_1490	0.4802	3.67E-06
K.FDGTQSVAAVSEQLASVLK.-	10910	2	4.5689	SO_2018	0.451	3.69E-06
L.FGVTTLDVIR.S	8369	2	3.6198	SO_0770	0.3683	3.72E-06
K.DAQLTEEQYSNPR.V	4052	2	3.8663	SO_3072	0.4297	3.8E-06
R.NASGLYSYLPSGLR.V	8769	2	3.9749	SO_3154	0.437	3.85E-06
K.AAFVELELPVLDHLNVK.L	11641	2	4.9738	SO_2907	0.3503	3.86E-06
R.HQVVNDLPLGR.N	6111	2	3.5665	SO_2756	0.423	3.9E-06
K.GVCDDYNWAEAISLLK.S	11090	2	4.3973	SO_1631	0.4156	3.91E-06
K.ELGVHVAILGDLQGP.K.I	9209	2	4.1943	SO_2491	0.4462	3.95E-06
R.YTEIAPVPGAPHYVLGIINLR.G	10903	2	4.1666	SO_3202	0.521	3.98E-06
R.FFDIFDETGEHR.G	9851	2	3.4054	SO_4699	0.4848	4.04E-06
R.DSGLNIAYALRPEAIAQK.R	8536	2	4.8031	SO_4349	0.3973	4.03E-06
R.NQVADLINADHR.E	6228	2	3.7113	SO_2264	0.4262	4.04E-06
K.TIGQYLDDIANTYPEQLAVVNHQDIR.W	12270	3	4.7948	SO_1971	0.4327	1.03E-06
R.TSSFLDIYIER.D	9325	2	3.3134	SO_2912	0.4742	4.08E-06
K.DLETIVGLQTDAPLKR.A	8402	2	4.6011	SO_2912	0.3808	4.14E-06
K.DAVAATGATASVIYVPAPFCK.D	8280	2	4.6305	SO_1933	0.4674	4.14E-06
K.VQEAVTNFFGKEPR.K	7425	2	3.6633	SO_1126	0.4856	4.14E-06
K.VQEAVTNFFGK.E	7477	2	3.7734	SO_1126	0.3737	4.16E-06
R.GLQGEANVVECAVYDGGSEHAEFFAQPVLLGK.N	10001	3	5.6179	SO_0770	0.3701	1.06E-06
R.FDPELVIDTATLTGACVIALGK.H	12804	2	5.1526	SO_1368	0.4193	4.23E-06
R.NVWAAEVDLIVER.I	10891	2	3.7931	SO_0818	0.4387	4.22E-06
R.EDLLAYLAER.N	10112	2	3.7799	SO_0278	0.319	4.34E-06
K.AQQVFSTADDNQSAVTIHVLQGER.K	7385	2	4.5117	SO_1126	0.5099	4.36E-06
R.ATPEQTLFITEFSGLIK.N	12005	2	4.5385	SO_2891	0.4111	4.4E-06
R.TGISHFLHTNVAEDVANGAVCPVLVVK.-	9922	3	4.8827	SO_3681	0.4149	1.13E-06
K.QDQVFSIAYEQFFDEVAEAQALGYK.A	12680	3	4.7075	SO_0818	0.4135	1.16E-06
K.GSAGYVAIEQVVVGK.L	7305	2	3.9324	SO_1590	0.4371	4.56E-06
K.ALVVLSDLLPTLAK.V	12021	2	4.1375	SO_3664	0.4009	4.61E-06
R.FADILAAGLQAK.G	8568	2	4.1148	SO_0781	0.3354	4.61E-06
K.IADQISDAVLDAILAQDPK.A	11152	2	5.1065	SO_0929	0.369	4.64E-06
K.DAIAQILINSR.M	8885	2	3.9639	SO_2222	0.322	4.78E-06
R.TASITGACVALVDALNWAR.G	12044	2	4.5844	SO_4256	0.4379	4.81E-06
R.VDDIACDLVER.F	6666	2	3.6368	SO_2912	0.3983	4.83E-06
R.EGRPSEEETLIAR.L	5373	2	3.8675	SO_1209	0.419	4.87E-06
K.VTQDYEEACDQK.S	3000	2	3.8314	SO_0655	0.3933	4.92E-06
R.RGDPVEQILEEANSK.D	8956	2	3.8518	SO_3681	0.4682	5.02E-06
K.ILSYLAIGKDEGAQVLLGGSLCQLEGEQSK.G	10845	3	5.1075	SO_4480	0.4146	1.28E-06
R.SDAQDIELALDAHAHA.K.D	8159	2	4.7585	SO_4480	0.3704	5.23E-06
K.LETFTQFELPILIGLSR.K	13714	2	4.4559	SO_1198	0.4149	5.35E-06
K.LEGQVAEAGLAGLNEELLR.K	9590	2	4.4955	SO_1142	0.445	5.34E-06
K.DNSPTIYTETDEAPALATLSLLPIIK.T	12666	2	4.8422	SO_2629	0.4942	5.47E-06
R.SSLSCGNLAHGFAACNPDDKNALR.Q	6718	3	4.854	SO_2487	0.3615	1.41E-06
R.LDAVVFTGGIGENSIIIR.E	8754	2	4.7317	SO_2915	0.3934	5.58E-06

R.FSLLNQADPSYHGVVYTEAFGPAAFIGR.C	11376	3	4.587	SO_1095	0.4649	1.42E-06
K.FAALAGALDER.A	7346	2	4.1422	SO_2587	0.2687	5.61E-06
R.NIIAAGVSVNR.N	5653	2	3.5221	SO_1101	0.4165	5.69E-06
R.DRGEDALIVYDDLK.Q	8366	2	3.8575	SO_4749	0.4617	5.75E-06
R.ALQGTNPQDETTK.A	2850	2	3.814	SO_1524	0.4217	5.77E-06
K.AEELFTLEAQEVLHR.L	9713	2	3.9682	SO_0163	0.444	5.81E-06
K.GFPLVYVGDVVGTGSSRK.S	9385	2	3.9676	SO_0432	0.4942	5.83E-06
R.AGIDPATLDLVQGYER.I	8318	2	3.8129	SO_0206	0.4854	5.85E-06
K.VDSVGCTLYENVK.K	6136	2	3.8515	SO_3545	0.4131	5.99E-06
K.ATQALIEASAK.L	4486	2	3.8649	SO_1126	0.3357	6.01E-06
R.VEDALHATR.A	3759	2	3.3247	SO_0704	0.3718	6.05E-06
R.TSTFALNNATLPYILK.L	9666	2	4.5719	SO_2304	0.3678	6.2E-06
K.DLSAAGIDVLLDDRK.E	9123	2	4.3585	SO_3154	0.3772	6.19E-06
R.DVAGLDPVSLIAFNTVLVTADAVK.Q	14115	2	5.058	SO_0232	0.439	6.27E-06
K.AIEGYVHLNIVK.E	7796	2	3.82	SO_0970	0.3849	6.31E-06
K.TTSLDLTADEVFDIAK.V	10640	2	4.1585	SO_3064	0.4506	6.3E-06
V.AVLGAAGGIGQALALLK.T	14601	2	4.0682	SO_0770	0.4778	6.37E-06
R.AGVTFTYTENGP.K	5722	2	3.9398	SO_4396	0.3936	6.4E-06
K.LADKVTLTVFK.V	7830	2	3.5828	SO_0432	0.3978	6.45E-06
R.VAIWEGDNANEQR.K	6864	2	3.9367	SO_2743	0.4203	6.67E-06
R.FNSLTPEQQQDVITR.T	5697	2	4.3743	SO_2912	0.3711	6.69E-06
K.LPIEGVVEAVIDGVK.A	13143	2	3.4859	SO_4731	0.5097	6.79E-06
K.AIAATDKGNYVQNAQGK.W	3850	2	4.4888	SO_2062	0.3996	6.82E-06
R.IQNAGTEVVEAK.A	3838	2	3.8527	SO_0770	0.3739	6.94E-06
R.IALIYEGTNGIQALDLVGR.K	10280	2	4.7452	SO_2768	0.4002	7.07E-06
R.SLISNAGVLVSEVVLISK.K	15364	2	4.1808	SO_4136	0.4589	7.07E-06
R.FSTLGGVCLNVGCIPSK.A	8142	2	4.2041	SO_0426	0.4376	7.37E-06
K.VSFTVTQGQK.G	4881	2	3.5798	SO_2787	0.3479	7.42E-06
K.KGDTILNSATGK.T	4778	2	3.581	SO_0842	0.4252	7.59E-06
K.TFLITIGDR.T	8520	2	3.2985	SO_3287	0.3682	7.76E-06
K.AGFTITDINPDFVIVGETR.S	10374	2	4.3186	SO_2762	0.4509	7.95E-06
K.EAEELVELGIPLIALFPVTPSEK.K	13542	2	4.4407	SO_4208	0.483	8.03E-06
R.EGVITDNGNVILDVYNLK.I	9558	2	4.7229	SO_1150	0.3774	8.29E-06
R.NFPVANLYPLASSR.S	8665	2	3.8595	SO_3070	0.424	8.34E-06
R.GEGAIDLDLFR.V	9743	2	3.6369	SO_0818	0.4094	8.49E-06
R.GVVVIGVSIDSQFTHNAWR.N	10750	2	3.8948	SO_2756	0.4987	8.71E-06
K.VNLYDLDDAALK.A	7934	2	3.8413	SO_0691	0.3665	8.66E-06
Q.IEVDGEVIQWTGQGR.M	7758	2	3.9953	SO_3146	0.4227	8.7E-06
K.IELSSTNQTEVNLPYITADATGPK.H	7881	3	5.1364	SO_1126	0.2855	2.21E-06
K.ALEFVTQIYK.N	8349	2	3.392	SO_4652	0.3855	9.25E-06
R.LGQLQADFSQALTLASADFQTEFGYAK.D	15135	3	4.7246	SO_2424	0.4136	2.28E-06
K.SGAVCIAYETVTDDR.G	7287	2	3.6705	SO_2304	0.4694	9.46E-06
K.EQAEGFYAEHSER.G	4812	2	3.6329	SO_2274	0.4337	9.45E-06
R.LGGNSLLDLVVFGR.A	13034	2	3.9743	SO_1928	0.3986	9.5E-06
T.FVCPSELIAFDHR.M	9034	2	3.6789	SO_2756	0.4249	9.57E-06
R.LGAQLCHLLEGSK.A	8624	2	3.5191	SO_3441	0.4528	9.65E-06
R.DTTVEEVNAIER.A	7940	2	3.9914	SO_2345	0.3655	9.69E-06
R.IFSFTALTTVGDGNGK.V	9877	2	4.074	SO_0248	0.4261	9.77E-06
R.ISGITPAAISILLVHLK.K	13692	2	4.3992	SO_4758	0.3969	9.87E-06

K.AIIDPLTGPQPFQAR.D	8258	2	4.0331	SO_1932	0.4102	1.01E-05
K.ACEAVDACIGR.V	4333	2	3.5036	SO_0049	0.3959	1.01E-05
K.TEVSASIVVAAAK.K	8232	2	4.1792	SO_4133	0.3588	1.02E-05
R.YLGLESEEEAFK.G	7458	2	3.4167	SO_2303	0.4142	1.02E-05
K.LSNAQIIDVTK.M	5808	2	3.7191	SO_1191	0.3457	1.04E-05
K.YGFDISRPASNAK.E	6207	2	3.8998	SO_2912	0.3792	1.06E-05
R.ESVGFLVAIKDFLEDPTR.L	15118	2	4.1145	SO_1931	0.4505	1.06E-05
K.YQQFWAEFGQVLK.E	11035	2	3.8329	SO_2016	0.3917	1.07E-05
K.SLACHPASTTHR.Q	3720	2	2.975	SO_1095	0.519	1.08E-05
K.LNDLTQGLEGIQSPVLK.F	8336	2	4.7772	SO_2433	0.3348	1.08E-05
R.ISQEHDPDFEQLAK.Q	8552	2	3.9062	SO_2474	0.4042	1.1E-05
K.ILDASHVVVLCR.T	7046	2	3.4795	SO_3715	0.454	1.1E-05
K.SIGNVIAPQQVTNK.L	5462	2	3.9024	SO_3532	0.4047	1.1E-05
R.VAVTGAGQSPGLDITLFLIGR.A	12539	2	4.1606	SO_3130	0.4792	1.13E-05
K.IVLFDDTQTSFLFK.M	11034	2	4.234	SO_0783	0.3435	1.14E-05
R.AVLGLPASEVVRPQDIADNGK.G	9039	2	4.5456	SO_0432	0.4471	1.14E-05
K.YIGGHGTTIGGIIDSGKFDWVANK.E	11011	3	4.8384	SO_1095	0.3547	2.83E-06
R.VSQAYDLITQGK.S	6416	2	3.7806	SO_0049	0.3645	1.21E-05
R.ELGLAVVTLGGGR.R	8484	2	3.8652	SO_1218	0.3793	1.23E-05
K.DGVNLFAGDKYAGLSETALYYIGGIK.H	13659	2	4.6081	SO_4410	0.4817	1.24E-05
R.AQELLYLFHLY.A	12604	2	3.4252	SO_0541	0.4032	1.27E-05
R.VAEVVQDYSETLHEAAE.-	7123	2	4.3567	SO_0521	0.3918	1.28E-05
K.KADGTVAIVNTSNAATPLTDSTVTPILTVDVWEHA YYIDYR.N	12383	3	5.6035	SO_2881	0.4199	3.03E-06
K.AISFVGSVAVGQYIYK.T	9333	2	3.5894	SO_1678	0.4831	1.31E-05
K.LVADSIAQQLER.R	7456	2	3.4709	SO_0237	0.4233	1.31E-05
R.EYNQLFSQYWQK.Q	8744	2	3.5571	SO_4652	0.4063	1.32E-05
R.ELLEVLDDNVIK.I	14315	2	3.8609	SO_A0051	0.3431	1.33E-05
M.TVNALLSSSR.V	6797	2	3.5126	SO_2730	0.3813	1.35E-05
K.SEGLGIALFSR.L	9298	2	3.6905	SO_2782	0.3384	1.42E-05
K.YDLGTGFGHIAIGDDDIYAR.C	9305	3	4.3789	SO_2044	0.3381	3.38E-06
R.FGASSLLNSLLHTLELADAPK.R	17327	2	4.8589	SO_1217	0.3866	1.46E-05
K.AITSAVEPADSPVITQTLAGLPVQPGPHK.I	8932	2	4.2631	SO_2903	0.5207	1.46E-05
R.ADFAQSIDENAAHGSDSLASAER.E	6670	2	4.9594	SO_2274	0.4016	1.47E-05
K.VALADADLSVDINEVILVGGQTR.M	9880	2	4.7707	SO_1126	0.4318	1.53E-05
K.GVQAVLDAVVEFLPAPVDVPPIK.G	14926	2	4.0383	SO_0228	0.4964	1.55E-05
K.VGENQLVGINLFDVYLK.G	11672	2	3.929	SO_2086	0.4585	1.56E-05
K.VSANDVVSIR.E	5297	2	3.4136	SO_0255	0.3567	1.57E-05
K.GTIIDVQVFTR.D	8530	2	3.2658	SO_0224	0.427	1.59E-05
K.IGIDGNALFR.Q	8108	2	3.3853	SO_1932	0.363	1.6E-05
R.ACLELFHGPFLAFK.D	9757	2	3.9873	SO_3413	0.3733	1.61E-05
R.EGLNVLQYFISTHGAR.K	11594	2	4.0839	SO_0225	0.4031	1.62E-05
R.LALADVDTPIDYINTHGTSTPVGDV.R	9156	3	4.5417	SO_3072	0.4095	3.87E-06
K.DKFAQFSSLQAQFEAGEDLSNVIQLR.E	10972	3	4.9128	SO_2912	0.3451	3.91E-06
R.DFIQQNYAPYEGDESFLAGATDATTQLWVK.V	10836	3	4.7471	SO_2912	0.4254	3.83E-06
K.IAAQFAIAGVPCHVIGTLADDQCITIK.D	10518	3	5.0309	SO_3287	0.3408	3.87E-06
K.KAGNIAADGTILIK.N	6667	2	4.1266	SO_1630	0.347	1.64E-05
R.FNVIDTPGHVDFTVEYYR.S	9255	2	4.0306	SO_0842	0.4425	1.67E-05
K.FSGPNSLEVTAEDGTVTVVK.F	7156	2	5.0071	SO_0426	0.3437	1.72E-05

R.FCAPNKDILSER.G	6171	2	3.4635	SO_1101	0.4128	1.74E-05
K.HGLTPILCVGESGPAR.E	7517	2	3.3557	SO_1200	0.5016	1.76E-05
R.TINIPDTVGYTVPSEFGSIIQTLFNR.V	15036	3	4.4319	SO_4236	0.4234	4.28E-06
R.VLCATALGNTVTEAQK.A	6098	2	4.1434	SO_0441	0.3885	1.83E-05
K.NLVTYQTDEKGQPVAK.I	4816	2	3.7786	SO_1932	0.4424	1.86E-05
K.DGDTTLFFGLSGTGK.T	8930	2	4.022	SO_0162	0.3856	1.86E-05
K.ALIGIFLNDQFVK.G	11802	2	4.0729	SO_0021	0.319	1.89E-05
K.LDLAIDQVYFK.S	9189	2	3.6496	SO_1748	0.3344	1.91E-05
R.LLETDDLDIAISIGDNAIR.A	10684	2	4.0892	SO_0009	0.4417	1.97E-05
K.SFGTQETLTNTLTAK.A	6631	2	3.4493	SO_3547	0.4708	1.99E-05
K.TFNLPLITDVHETYQCAPVAEVVDIIQLPAFLAR.Q	15219	3	4.901	SO_3827	0.4328	4.83E-06
R.VDDVINVSGHR.L	5036	2	3.6679	SO_2743	0.3274	2.03E-05
R.STGIADTVLVGPEPEFFLFDVVR.F	12263	2	4.9824	SO_4410	0.3851	2.03E-05
R.VLIQESIYDRFIEK.V	9517	2	3.9167	SO_4480	0.3755	2.04E-05
R.SILFSAFTAETGLIGAQHFAQHPSVPTK.N	12456	3	4.44	SO_2198	0.4484	5.05E-06
R.FCIITDEAR.H	6597	2	3.5051	SO_1490	0.2604	2.07E-05
K.ELEQEGINCNLTLFSFSQAR.A	11329	3	4.7386	SO_3546	0.2628	5.03E-06
K.VILLEKEPIPGGNTK.L	6734	2	3.6863	SO_0970	0.434	2.09E-05
K.SLYEADLIDEAKR.L	7106	2	3.6354	SO_0932	0.3984	2.14E-05
R.AAEGVVPKPLDAHQVAELVK.L	7741	3	3.8382	SO_0432	0.4337	5.22E-06
R.TLAVDSGVVAAK.R	5686	2	3.6253	SO_0224	0.4	2.15E-05
K.HFGFTVENVLNAAK.S	10108	2	3.6439	SO_0930	0.4196	2.17E-05
R.ELVSNAADAADKLR.Y	6066	2	3.9646	SO_2016	0.3639	2.18E-05
K.TYQQQVVNNAK.A	3495	2	3.5874	SO_3471	0.3427	2.2E-05
K.SISTEITAAAVDLK.V	8933	2	3.7482	SO_4257	0.401	2.23E-05
R.IEDASTVYVSGDAIEAK.F	6776	2	3.6931	SO_2402	0.4611	2.22E-05
K.TTLTAAISHVLAK.T	9887	2	3.3936	SO_0217	0.4394	2.22E-05
R.IIVENKLPLDLVTLIAK.A	12211	2	4.5298	SO_0014	0.3403	2.27E-05
K.YVLEAGGSLDVLK.T	7920	2	3.9294	SO_1404	0.3923	2.26E-05
R.TVSGDTQVSLAK.T	4096	2	3.7581	SO_3842	0.3414	2.26E-05
R.GFGVPTLIAVHPENDPNGDGLDIK.A	9275	2	4.3228	SO_4349	0.4688	2.26E-05
K.QLVPLFDFAYQGGFTGIEEDAAGLR.L	12992	2	3.9037	SO_2350	0.5062	2.29E-05
R.GDLGVEIGDAALVAVQK.K	9394	2	4.8029	SO_2491	0.295	2.33E-05
R.GIFSEFGLTK.Y	9957	2	3.1162	SO_2635	0.4104	2.34E-05
K.EIGALATPDLIQWATGLPK.T	11826	2	4.1553	SO_2743	0.4259	2.35E-05
R.AQELLYLFHLYAK.E	11985	2	3.4845	SO_0541	0.4212	2.36E-05
R.EYEVGTLIVDLVDNK.T	12607	2	3.7146	SO_3343	0.423	2.44E-05
K.LYEINDAVALLK.E	9344	2	3.3356	SO_0221	0.4225	2.45E-05
K.EIIAETGAGQHGVATALACALLGLK.C	12708	2	4.093	SO_3023	0.4863	2.47E-05
K.IGLATSSPTVLIDAVLAR.L	12054	2	3.6849	SO_0431	0.4698	2.47E-05
K.VGDVVIFNEGYGVKK.E	7345	2	3.8824	SO_0703	0.3959	2.48E-05
K.LEVPLLDKATEQLLQLAQK.Q	13640	2	3.7983	SO_0568	0.4673	2.46E-05
R.FSVTLSGILSDIR.T	12144	2	3.3461	SO_0425	0.4428	2.48E-05
R.DDGYLPEALLNYLVLR.L	12747	2	3.5217	SO_3130	0.451	2.5E-05
R.ELAAFSQFASDLDDATR.A	10328	2	3.4693	SO_4749	0.4843	2.5E-05
K.AENVLLSLHLK.A	8995	2	3.6517	SO_2629	0.3214	2.51E-05
R.ADISDHAPR.I	3198	2	2.7662	SO_1209	0.4531	2.52E-05
M.TDKTELFANAWEGFTPGDWK.S	10735	2	5.3467	SO_2912	0.2768	2.58E-05
R.DSIAQYEAAGR.S	4725	2	3.0644	SO_1287	0.4462	2.61E-05

K.AGEEFVIDVTFPEEYHAENLK.G	9694	3	4.0715	SO_1793	0.3989	6.24E-06
K.GANSSAFDVR.R	4749	2	3.4698	SO_3986	0.318	2.69E-05
K.LVSPIQTGYVDADLLYTLK.E	13459	2	3.8697	SO_2001	0.4652	2.72E-05
R.GLILLSCGTYGNVLR.I	9721	2	3.8216	SO_1276	0.4004	2.8E-05
M.ADVFHLGLTK.A	7961	2	3.2394	SO_4133	0.3729	2.87E-05
K.SLA AVLNTIR.A	9408	2	3.5699	SO_3901	0.2874	2.9E-05
R.FLVLLQTGDEVLDYR.E	11108	2	3.7165	SO_3900	0.4149	2.93E-05
K.LVDLLDEANTR.A	7558	2	3.7679	SO_4123	0.2847	2.99E-05
K.IIAADNGDAWVESR.G	6257	2	3.5307	SO_1126	0.4243	3E-05
L.AADVSGVETLVIAR.T	7423	2	4.1078	SO_1484	0.3229	3.02E-05
R.VNTIWELGHQHGIAPADSLETAPFVQIQGK.E	12070	3	5.0696	SO_4731	0.3757	7.14E-06
R.IETGSFLVAAAVTR.G	8602	2	3.2814	SO_3948	0.4616	3.1E-05
R.GVGGLFFDDLNQAGFDK.S	10749	2	3.4755	SO_0038	0.4739	3.17E-05
R.TYLDHLDPEYLR.Y	8143	2	3.159	SO_2619	0.4423	3.29E-05
K.TIAPIAQFHIPCYIK.N	9684	2	3.7023	SO_3415	0.4121	3.3E-05
K.IINQYGGQIPETYGVPLEEIVEGIK.H	11275	2	4.5023	SO_0933	0.4358	3.3E-05
K.LGQNGITSTVFDGVQPNPTVGNVEAGLALLK.A	10678	3	4.6322	SO_1490	0.4238	7.81E-06
H.SAFLLLQGLETLSLR.M	14664	2	4.3418	SO_1095	0.3037	3.35E-05
K.NILGSGDFELFVHTGAGR.Y	11884	2	3.7731	SO_1017	0.4573	3.36E-05
K.ELTQQQLDLITLAK.T	10667	2	3.9343	SO_0277	0.3738	3.39E-05
K.QLTGWICDILDDAHNPAVIER.V	12658	2	4.0918	SO_3471	0.4395	3.52E-05
K.YFNTNYHYLVPELK.Q	9010	2	4.4071	SO_0818	0.2554	3.54E-05
K.KGLTDPVAIPDISTK.A	7238	2	3.3888	SO_3980	0.4548	3.6E-05
K.SHNTADWEPR.L	4849	2	3.0909	SO_0264	0.3971	3.65E-05
R.ISAEGGVLVLLGNQEHSEILAK.V	10035	2	4.7314	SO_3467	0.3877	3.67E-05
R.GTFPQLNLAPVNFDAFAQYVQQ.R	12703	2	4.1933	SO_0052	0.4453	3.68E-05
K.YLADKLQAASVSK.I	5512	2	3.4871	SO_0237	0.4016	3.69E-05
M.AFELPALPYAK.N	9041	2	3.4896	SO_2881	0.3413	3.73E-05
R.ELAAIDHADDIAPR.D	6422	2	3.8013	SO_2347	0.391	3.75E-05
R.VEDGLALVAIIGNR.I	10095	2	4.1229	SO_3986	0.3093	3.8E-05
R.VINNAVNVVIENGVIK.F	8221	2	3.9138	SO_0246	0.3917	3.83E-05
K.ITEQAFFIR.K	8102	2	2.9552	SO_4485	0.3901	3.82E-05
R.ANAEQLGLTVLATIK.G	10720	2	3.6468	SO_1677	0.4138	3.87E-05
R.GLDLAPILYQPNVR.A	9308	2	3.3147	SO_1325	0.4467	3.93E-05
K.SLQVATEELQASR.N	5987	2	3.9869	SO_2310	0.3018	3.99E-05
K.NSFNPDAPGTLVSNLADASGLQVK.A	9840	2	4.5945	SO_3415	0.4092	4.01E-05
K.GESAYLVFDDSIK.R	8478	2	3.6649	SO_0970	0.3649	4.06E-05
R.LLAEHNV DASK.V	3974	2	3.0328	SO_1931	0.4335	4.08E-05
K.GGSEHLGLPVFNTVK.D	8451	2	3.7229	SO_1933	0.3993	4.12E-05
R.ELTATTGYPVVIK.A	6683	2	3.0686	SO_0441	0.4655	4.18E-05
R.LVELFVEAGAPK.G	8483	2	3.2597	SO_1678	0.4134	4.23E-05
K.SLSFDDFISESYFGLIR.N	12974	2	3.915	SO_3559	0.404	4.23E-05
R.EQLIALVQQIR.Q	9543	2	3.6251	SO_2250	0.3035	4.24E-05
K.TAGVDESNLIFVGSAR.V	7494	2	3.8336	SO_4345	0.399	4.26E-05
R.LTIGPSLLEELANSQ.L.A	12532	2	4.3535	SO_3546	0.3168	4.26E-05
K.KPFSEVFTLLQTR.A	11047	2	3.9335	SO_3134	0.3091	4.33E-05
K.NLLVSYDINPLGFF.-	13344	2	3.2545	SO_4480	0.4515	4.35E-05
R.NIGEIIELAGCDRLT.I	10412	2	3.5155	SO_3546	0.4281	4.4E-05
R.ETANALFGNSASVLVGDFLYTR.S	12335	2	3.9919	SO_3653	0.4489	4.53E-05

R.AAAEVDNIR.R	3781	2	3.0809	SO_1524	0.3494	4.55E-05
K.LSLYDIAPVTPGVAVDLSHIPTAVEIK.G	11272	2	3.9437	SO_0770	0.4846	4.63E-05
K.ACDFVLFGTK.G	8439	2	2.7959	SO_2489	0.4497	4.63E-05
R.LSEYGLQLR.E	6778	2	3.0628	SO_0255	0.3512	4.88E-05
K.GLLLGAVLNEQYQGR.S	10368	2	4.1125	SO_0617	0.327	4.91E-05
R.ATPETLNLLFALAQEAK.L	12438	2	4.0207	SO_3547	0.3821	4.96E-05
K.NLDDATIAR.F	4430	2	3.1893	SO_1484	0.3141	5.08E-05
K.VNILYTAPTLIR.A	8921	2	3.6166	SO_2743	0.3344	5.11E-05
R.FALEVVDIAIR.I	12169	2	3.6986	SO_3392	0.3168	5.11E-05
R.LVEGIASIGSAFYPK.K	9295	2	3.5906	SO_2644	0.4105	5.11E-05
V.KQGSAGFDVIDISK.L	7166	2	3.7869	SO_1926	0.3575	5.15E-05
R.VGAIAVLVDNEWGTPVDPVAVEAALK.A	11929	2	4.3311	SO_4343	0.4403	5.22E-05
K.AFEAEDQGQTPVSAK.W	4074	2	3.7634	SO_3467	0.3823	5.26E-05
R.YLSLLPYTDLHQ.-	9499	2	3.5564	SO_3928	0.3455	5.29E-05
R.YEALDNLVLR.A	8409	2	2.9983	SO_2907	0.4015	5.32E-05
K.KALVSFFER.E	8955	2	2.9634	SO_2629	0.3733	5.35E-05
K.VAIVGAGPAGLGCADILAR.N	8340	2	3.5613	SO_1324	0.4609	5.5E-05
R.LFNEELGAVLQVSR.D	9649	2	3.9927	SO_3287	0.3166	5.54E-05
K.SNVVTGIALGR.S	6327	2	3.6761	SO_1779	0.278	5.55E-05
K.NQIGEEAAR.L	4056	2	3.1937	SO_4190	0.3879	5.6E-05
K.DIPSLDESFFVIR.F	9350	2	3.2922	SO_0878	0.417	5.66E-05
R.LTILTATSGDTGAAVADAFYGLEK.V	10634	3	4.2094	SO_3413	0.3916	1.28E-05
K.AVAASTDIPQILYNVPGR.T	8500	2	3.8906	SO_1879	0.4087	5.71E-05
K.ENHDLGLVDIVQAFR.K	11346	2	3.7979	SO_3051	0.3725	5.8E-05
K.LEVSGNVTLDTLAEFAK.T	10202	2	3.5595	SO_0419	0.4379	5.84E-05
K.FLGNAVAVFDTGGR.G	8357	2	3.5995	SO_3599	0.3606	5.9E-05
K.EGDKISLVGFGTFEVR.E	9878	2	3.5854	SO_1797	0.4203	5.98E-05
K.TFEVTEDQNKEK.F	4266	2	3.3576	SO_1174	0.3793	6.06E-05
R.IAEDEYFISK.K	7810	2	3.2724	SO_1926	0.3675	6.1E-05
K.EAEELVELGIPLIALFPVTPSEKK.S	13320	2	4.1206	SO_4208	0.4387	6.19E-05
K.SPNIVFNDAPDLK.A	7151	2	3.4678	SO_3496	0.3819	6.29E-05
K.AQVLADTLDAQIGQLDSNKSPSR.R	13019	2	4.2643	SO_2629	0.4226	6.48E-05
A.RVLENAEGDRTPSIAYTDDTIVGQPAKR.Q	7485	3	4.2926	SO_1126	0.444	1.47E-05
R.NQADGLVHATK.K	3891	2	3.1738	SO_1126	0.3845	6.65E-05
R.EINNIGLIFLTGR.D	10975	2	3.5626	SO_3988	0.3616	6.73E-05
R.ADIYQLLAALLR.R	16209	2	3.5137	SO_4507	0.3429	6.81E-05
K.SNDIDVVLVIHYFGFSR.V	12640	2	3.7289	SO_3183	0.4086	6.89E-05
K.SVEELNAELLGLLR.E	11981	2	3.4627	SO_0239	0.3989	7.02E-05
K.SQVTFAYEDNK.I	5212	2	3.1604	SO_0929	0.3848	7.03E-05
R.DCFALECEAIKR.V	6598	2	3.4885	SO_2644	0.3464	7.07E-05
R.ALEYSTQEILDFFER.V	13725	2	4.7589	SO_0224	0.2173	7.15E-05
K.NVQTGHTLCDVK.H	4188	2	3.6975	SO_0842	0.3009	7.22E-05
R.TLFLIGNPLAINNGTR.I	10454	2	3.5334	SO_2338	0.4192	7.27E-05
K.ACGVAGVRPGQYCEPK.M	4718	2	4.0158	SO_0432	0.3477	7.26E-05
R.WIIDLFNQTVK.T	11616	2	3.5249	SO_3424	0.3018	7.35E-05
R.LGIQAFEPVLIEGK.A	9761	2	3.7187	SO_0225	0.3536	7.36E-05
K.FVDIAAFDEHCAK.D	7804	2	3.2795	SO_0527	0.4059	7.71E-05
R.DSGIISHLFDER.N	9765	2	3.0856	SO_2644	0.4188	7.77E-05
K.GFLLDGFPR.T	10009	2	3.0781	SO_2018	0.3254	7.86E-05

R.LKEQAGEDELALVEQFLK.R	11881	2	3.8792	SO_1175	0.3963	7.88E-05
R.VVNTLGEPIDGK.G	5093	2	3.5585	SO_4749	0.3269	7.88E-05
K.AAAVPIYQTTSYTFDDTQHGADLFDLK.V	9662	2	4.3386	SO_1095	0.4287	7.92E-05
K.VCIEEIVYQPER.S	7475	2	3.6015	SO_1935	0.3174	7.94E-05
K.LSGFGNFDLR.D	8360	2	3.2052	SO_2087	0.3353	8.01E-05
R.LLDLAAPDIIVR.N	9512	2	3.3957	SO_0225	0.3593	8.05E-05
R.LGELSPETAFILER.F	9457	2	3.9209	SO_4190	0.3128	8.04E-05
R.GVALEPLQLVQQK.L	8195	2	3.4375	SO_3130	0.376	8.15E-05
R.VANVSDHLELNQEVTVK.V	6384	2	4.3932	SO_1209	0.3025	8.23E-05
K.AGNGEVILTSELYTGK.S	7717	2	3.5386	SO_3888	0.413	8.26E-05
R.LDASIIFEELSK.G	10828	2	3.2779	SO_1679	0.3791	8.64E-05
R.VEDLVGQFETNLK.T	8638	2	3.5336	SO_1518	0.3551	8.79E-05
K.NLCNFATNGSECEVHPLVTDFINEFILAK.K	15129	3	4.6864	SO_4670	0.3605	1.9E-05
K.AAFGSFDAFK.A	8160	2	2.9155	SO_2881	0.3975	8.86E-05
R.TFSIIKPDAAVAK.N	6950	2	3.1259	SO_2274	0.406	8.87E-05
R.DGEQALAASLSVK.E	6645	2	2.9431	SO_4236	0.452	9.06E-05
K.ALIDGEVNVLR.Q	7464	2	3.5866	SO_1793	0.2763	9.12E-05
K.QLAEQIQLAQQAK.V	5724	2	3.1798	SO_2250	0.4149	9.19E-05
K.VGTFEELIPSADLVNLNLTDPK.Q	11741	2	4.5389	SO_4349	0.3445	9.3E-05
R.GGVFSEDFIQSYIALK.S	11209	2	4.1591	SO_4410	0.3131	9.3E-05
R.QLLEAVQSICPK.D	7339	2	3.3839	SO_1665	0.3553	9.28E-05
R.TGQQLPIDIAPVR.F	7259	2	3.642	SO_0274	0.332	9.3E-05
R.DASSGNTFDCISPIDGR.L	6336	2	3.7674	SO_3496	0.39	9.39E-05
K.TVNESQGNILLPAFSVGR.A	9077	2	3.8336	SO_0541	0.3938	9.58E-05
R.EKSVEELNAELLGLLR.E	11589	2	3.7467	SO_0239	0.3761	9.71E-05
R.AGENCGILLR.G	6058	2	3.4077	SO_0217	0.2736	9.72E-05
K.AFNQFLNLNLSEQFHTISR.N	11797	3	3.8639	SO_0274	0.3744	2.1E-05
R.KGVEVITPNPK.T	4611	2	2.9533	SO_4652	0.4113	9.81E-05
R.TLEEKEIAETVESVVSALK.T	14181	2	3.6871	SO_2086	0.4219	9.9E-05
R.SKPHVNVGTIGHVDHGK.T	9814	2	3.4093	SO_0217	0.4345	9.9E-05
R.IAIEAAHTDFWYK.Y	8416	2	3.7153	SO_0930	0.3139	0.000101
K.AVVFDKYPQIGLLTYGIPAFK.L	12006	2	3.9477	SO_1324	0.4187	0.000103
R.DAITLCEAEQDYVSR.D	6997	2	3.386	SO_1111	0.41	0.000105
R.SILQGLPADVVTFNQVTDVQILHDR.G	11880	2	4.4275	SO_3599	0.3936	0.000105
K.QGNPLDTATQVGAQASQEQFDK.I	6492	3	3.9852	SO_4480	0.3801	2.28E-05
-.M*KVAVLGAAGGIGQALALLK.T	14508	2	4.0202	SO_0770	0.41	0.000106
R.TFEVIAEELDIVIQK.N	12595	2	3.8038	SO_1200	0.3446	0.000106
K.IGDHIAELGDLANQPEANIIKLPNISASIPQLK.A	11168	3	4.7785	SO_2629	0.38	2.28E-05
K.QQIEESTSDYDKEK.L	3548	2	3.7392	SO_0704	0.3332	0.000107
K.SVLSFGDASTLSFHATK.V	8640	2	3.5596	SO_3185	0.412	0.000107
K.IDLEATNLLDTIK.S	9571	2	3.6158	SO_0783	0.3294	0.00011
K.FVADGFGVEPR.G	6811	2	2.8364	SO_4719	0.4266	0.000113
R.AITNLQSTPR.G	4293	2	3.0588	SO_A0165	0.3546	0.000114
K.GFDTLVANSLAILNDKER.I	12372	2	3.5874	SO_2047	0.4174	0.000114
R.DFTYIDDIVEGIIR.V	13288	2	3.3543	SO_4686	0.395	0.000115
R.VLKGELPADFEAK.A	6549	2	3.302	SO_0930	0.3843	0.000116
R.FYELGFDIAAR.S	9476	2	3.7427	SO_4317	0.2228	0.000116
K.LTPETLGALIALYEHR.T	12527	2	3.9372	SO_3547	0.3383	0.000118
R.QIATNAGEEASVANNVK.N	5728	2	3.9485	SO_0704	0.3693	0.000118

K.VGADALCHGCTGK.G	3746	2	3.2489	SO_0278	0.3922	0.000119
K.LESLVEDLIIR.T	11167	2	3.6604	SO_1126	0.2436	0.00012
K.FGLSAAQILTVVDQLK.Q	13195	2	3.7591	SO_1870	0.3646	0.000121
K.FTDQDPTGER.G	3223	2	3.1095	SO_0224	0.3386	0.000124
R.ELLPILEGLAK.T	11190	2	2.9705	SO_0704	0.3979	0.000124
R.VADLFEAR.K	6751	2	2.7683	SO_0225	0.3438	0.000124
K.GTATSPILSAER.A	5245	2	3.1343	SO_0432	0.3883	0.000129
R.VNAGLDQAISR.G	4960	2	3.3461	SO_1484	0.3171	0.00013
M.FARNQLCAIAQADVPLT.S	8468	2	4.1283	SO_3967	0.3227	0.000131
R.YETVTPGDIAVLFLDK.A	12207	2	3.6171	SO_0783	0.3817	0.000132
R.EVDNLLGSLEK.K	7996	2	2.9944	SO_1209	0.3905	0.000132
K.TSILAEFPVAVVEK.N	9792	2	3.7218	SO_3599	0.326	0.000134
R.QGFVDLLVHSLAAYTPTYLNR.R	15565	2	3.6989	SO_0811	0.4251	0.000135
R.FEGCFAALAPDLK.V	8659	2	3.051	SO_0278	0.4183	0.000137
K.TRVEAANTGK.-	2131	2	3.2054	SO_2087	0.3104	0.000137
K.APAALPITLIADRPDYTQISVPK.S	9755	2	3.9089	SO_2476	0.4177	0.00014
K.GKPAVFFYPLDFTFVCPSEL.I	13694	2	3.7025	SO_2756	0.4235	0.000139
R.IAEDEYFISKK.L	7533	2	3.6167	SO_1926	0.2868	0.000142
R.ISALGPGGLTR.E	5779	2	3.2236	SO_0224	0.3402	0.000142
K.GIALVATNGGSIK.D	6061	2	3.7578	SO_1490	0.2889	0.000143
R.GLYSTLFCEANPIPVK.W	10100	2	3.5599	SO_1879	0.3851	0.000147
K.AGATQYYQQVVK.D	5325	2	3.4678	SO_2746	0.3171	0.000148
K.EIVNTCLAR.R	5031	2	2.7069	SO_0818	0.3914	0.000148
R.SGNEFNVGSLVFR.T	9342	2	3.223	SO_2340	0.387	0.000149
R.DYFAGFSTIDADILAK.T	10561	2	3.7756	SO_0789	0.3525	0.00015
R.SDALQIEHQAFIK.L	7128	2	3.5676	SO_0021	0.3246	0.00015
K.SLIQYAFQTK.N	8621	2	3.4677	SO_4343	0.2348	0.00015
R.QAVTNPNNTFFAIK.R	7664	2	3.6228	SO_1126	0.3383	0.00015
R.VALYGIDFLM*K.D	9603	2	2.9296	SO_2912	0.417	0.000151
R.DLPLAQAADIR.N	7170	2	2.8334	SO_3154	0.4148	0.000151
R.ALFBANGVDGK.T	6160	2	3.2079	SO_0333	0.3409	0.000151
R.VHQGYEHHGVALSAGVQR.M	7594	2	3.404	SO_2644	0.4263	0.000154
K.EAFVQIPDELTLR.Y	9185	2	3.6727	SO_2312	0.3021	0.000156
R.VVTDLAFIEIK.D	9307	2	3.1976	SO_1891	0.3413	0.000157
R.TPLALLDFGASAR.M	9980	2	3.2284	SO_3287	0.3824	0.000162
K.IGVAAENIIR.I	6484	2	3.1271	SO_3428	0.3222	0.000162
K.LLTIGHGESALADKIEPLELPEGITIGYR.S	11101	3	4.4933	SO_0272	0.3668	3.38E-05
K.AIYEGVELTQK.S	5797	2	3.3674	SO_1524	0.3009	0.000165
R.DFSASNGLFSFVLK.Q	11761	2	3.3607	SO_2191	0.378	0.000166
R.EGSFAEYLVIPAFNAFK.I	12517	2	3.8168	SO_4673	0.3579	0.000166
R.ELFFTEFDNPILR.S	11507	2	3.2246	SO_2090	0.3805	0.000171
R.VLENAEGDR.T	2813	2	2.879	SO_1126	0.3429	0.000172
R.SGTLLILSDR.A	7935	2	3.1031	SO_1325	0.3557	0.000178
R.ETLASLDAALDSIK.Q	9523	2	3.0597	SO_0021	0.4201	0.000179
M.SEQSFSNANK.G	2500	2	2.6463	SO_2201	0.4212	0.00018
K.ITYGELHTQVCK.F	5519	2	3.0649	SO_2743	0.3859	0.000182
R.TGTETNDTPAGR.A	1904	2	3.0037	SO_0619	0.3965	0.000182
R.VPGTNQVVTEIK.T	5268	2	3.5372	SO_4317	0.2908	0.000188
R.IIVTEIPYQVVK.A	7090	2	3.7083	SO_2411	0.2518	0.000188

K.LADIQIETIK.E	8607	2	3.3227	SO_A0100	0.3038	0.000194
R.FGALTFVR.I	8384	2	2.9933	SO_0842	0.2499	0.000197
R.VALYAQSLDQK.T	5715	2	3.4566	SO_1824	0.271	0.000197
R.IGGNLWVVK.C	8010	2	3.2236	SO_1932	0.2361	0.000202
R.IEANQAFFATLAR.L	8908	2	3.0639	SO_3424	0.3989	0.000206
R.DEGVQYAVGR.L	4259	2	3.3344	SO_4448	0.2568	0.000206
K.EAIFAAELAR.E	7801	2	2.9968	SO_2441	0.3418	0.000208
R.AACVAGVIVNR.T	5432	2	3.9171	SO_4133	0.1311	0.000209
K.GKPAVFFYPLDFT.F	11906	2	3.4137	SO_2756	0.359	0.00021
K.ATQNEAEQTIVK.H	3940	2	3.1299	SO_0439	0.3678	0.00021
K.VGTHGSTYGGNPLACAIGNAVLDVVNTPEVLNGV K.H	14279	3	4.8551	SO_0617	0.361	4.32E-05
M.FDLAYDYAR.G	7193	2	3.1478	SO_1484	0.2572	0.000214
K.GAIASLTSVAK.L	6344	2	3.2157	SO_2912	0.3232	0.000214
R.LSGIAEQLDKISEGYISNLLR.R	14271	2	3.5333	SO_1368	0.4226	0.000214
R.GGDIPVPTDVVWAGEFSPTAAATLK.A	8825	2	4.6635	SO_0932	0.3372	0.000217
K.ELTQEWLDELK.V	9206	2	3.3068	SO_2406	0.3015	0.00022
R.ELFNAYNPVFAK.H	8557	2	2.9412	SO_3599	0.399	0.00022
R.FGVTAHYLVNADVLQIK.V	9855	2	3.7007	SO_1325	0.3617	0.000221
R.IDDLNLNLEDFQR.V	9212	2	3.1501	SO_2619	0.3975	0.000223
R.KSVDQPVQTGYK.A	3578	2	3.2329	SO_4749	0.3455	0.000224
K.AAGLVDTLNQELAVLDEHIAR.L	13156	2	4.2207	SO_1807	0.344	0.000225
K.QDVPFDQIVDFLK.N	11506	2	3.2953	SO_3154	0.3561	0.000226
K.YTLVADVK.H	5739	2	2.7665	SO_2756	0.3159	0.000231
R.QLVSEFIAAGCPSVR.E	8123	2	3.1704	SO_0801	0.4056	0.000236
R.GVATGLYAIHPITGK.Q	7505	2	3.138	SO_1174	0.4095	0.000238
K.YTLVADAEAEVLEIQEQFQSGGLVTAGER.Y	15076	2	4.3697	SO_0225	0.3841	0.000243
K.GTIVHGTSAVDAK.G	4784	2	3.2522	SO_2402	0.3779	0.000245
K.NIVAAGLADR.C	5674	2	2.8454	SO_0929	0.3674	0.000249
K.FFIPSVNVLGK.G	9823	2	3.2539	SO_1490	0.3078	0.000249
R.NLNVFEGEKVER.G	6701	2	3.3147	SO_0225	0.3232	0.000256
K.ITQGDDLAPGVLK.I	6005	2	3.7499	SO_0224	0.2621	0.000256
K.VPELLVANSFSK.N	7995	2	3.1002	SO_2350	0.3638	0.00026
R.GALDCAGVTSR.R	4073	2	2.7352	SO_0226	0.4087	0.00026
H.FGEAFETLSQFR.G	9869	2	3.0754	SO_1680	0.3682	0.00026
K.RIINEPTAAALAYGIDKK.Q	7991	3	3.8459	SO_1126	0.2982	5.45E-05
R.FDVIVVGGGHAGTEAALAAAR.M	8007	2	3.5998	SO_4758	0.4053	0.000274
K.DIAQPALDLGLNEAAK.L	7598	2	3.5116	SO_0021	0.3645	0.000275
R.AAGIIVNWDDFSELSDAVPLLAR.V	12916	2	3.7107	SO_2487	0.4077	0.000277
R.GYLSPYFINKPETGSGVELDHPFVLLVDK.K	11750	3	4.6166	SO_0704	0.3153	5.61E-05
R.NQADGLVHATKK.Q	4051	2	2.9549	SO_1126	0.3861	0.00028
R.YYEQDDTSALPR.N	4865	2	3.4777	SO_4345	0.2847	0.00028
K.AIHIDEIAPEKTPEIYAYIR.A	9242	3	3.6948	SO_1218	0.3679	5.66E-05
K.TDTPIFGICLGHQLLALASGAK.T	13360	2	3.907	SO_1141	0.3794	0.000284
R.GLGILDSALNELQGDTLDGETVFK.L	13022	3	4.0998	SO_3428	0.3505	5.74E-05
R.LFGVTTLDVIR.S	10007	2	3.3289	SO_0770	0.2839	0.000285
R.YQPEDATTNPSLILK.A	6696	2	3.2837	SO_3546	0.381	0.000289
R.AAYPLEHIAQR.K	6260	2	2.4104	SO_0162	0.4528	0.00029
K.LESTDIPQTFAIR.V	7541	2	3.3592	SO_3183	0.3331	0.000292

K.ADGAYIYDADGK.A	4824	2	3.0814	SO_1300	0.3612	0.000298
L.IQQGWETVTEALK.H	8260	2	3.3276	SO_4349	0.3377	0.000299
K.AEAILLEQEK.T	5933	2	3.1167	SO_2350	0.2954	0.000304
K.LLKEEGYIADYAVADEAKPELEITLK.Y	9583	3	4.0267	SO_0245	0.3821	6.19E-05
R.VGGSLEAEVTLFADATLTQLTHIGDEL.R.F	15797	3	4.1618	SO_3532	0.3893	6.3E-05
R.VEAFLADKELFVSDLEVADPEHYQPVR.V	11080	3	4.6756	SO_0162	0.3006	6.28E-05
K.STTELQAIFQALVGNK.A	13485	2	3.8176	SO_1261	0.3127	0.000311
R.VTTQYAWHQLF.A	9661	2	2.8739	SO_0162	0.3754	0.000317
R.EVAEVDVLDDEVIR.E	12758	2	3.6205	SO_0225	0.3041	0.000318
K.EPAIAEISGTISFGK.E	11731	2	3.0252	SO_0225	0.4214	0.000318
R.LPVGQGGQGPLTNR.I	4735	2	3.1171	SO_0185	0.3864	0.000323
R.TELTAIAANWPR.T	8815	2	3.2386	SO_3733	0.3276	0.000324
R.IVERPTVSLEKDLAEILK.-	12588	2	3.6651	SO_0409	0.3621	0.000325
R.EPLGELADAFVPIYLLNR.Y	13228	2	3.569	SO_0578	0.3742	0.000326
-M*LYDLTAVQFSK.M	7848	2	3.1271	SO_4492	0.3683	0.000328
R.VAEGATVVSTSTR.N	3667	2	3.1956	SO_0432	0.3559	0.000335
R.LKSDLVELCLAATR.G	8432	2	3.3933	SO_0441	0.3411	0.000337
K.LAAIEEETGLVIAAIK.D	10751	2	3.6604	SO_1284	0.3332	0.000339
K.AKPVLLGPVSYLYLAK.T	10802	2	3.1273	SO_0818	0.4062	0.000342
K.TLAAQFNR.E	5135	2	2.8492	SO_0930	0.2714	0.000341
K.GSAVNPVLR.E	4700	2	2.9466	SO_2629	0.2927	0.000345
K.ALASGASECHIVDLK.E	6076	2	3.2216	SO_0278	0.3814	0.00035
K.GIAAASLAAILEAR.G	12559	2	3.522	SO_3441	0.3171	0.000351
K.VIDLVCFAK.G	8599	2	2.9004	SO_4747	0.3391	0.000358
K.IVALPPELAVGADYGLLVLK.D	12112	3	3.6571	SO_3967	0.3646	7.34E-05
K.LVQNPPAGEEAFVLDLLENRIPPGVDEAAYVK.A	12088	3	4.425	SO_0432	0.3723	7.32E-05
R.IGLHIGDLQLDQAIENIAR.E	11606	2	3.0902	SO_3637	0.4296	0.00037
F.IM*LLALLSLGGGRYTSI.D	14915	2	4.3856	SO_2710	0.2509	0.000374
R.VNSLCQAFDQAIQK.Y	8223	2	3.4169	SO_1870	0.3317	0.00038
K.QFTANTPLKQPSDAK.G	4821	2	3.5699	SO_3134	0.3246	0.000383
R.NELAVTAER.L	4268	2	2.8659	SO_2310	0.3087	0.00039
R.LALNITELAIQAQDKIVEK.R	12248	2	3.3254	SO_0014	0.4035	0.000393
R.VAQLDTPK.A	5421	2	3.1486	SO_1639	0.2746	0.000395
R.LYEDDLIYR.G	7037	2	2.8115	SO_3424	0.3222	0.000396
R.QLEFSLFDFR.L	11605	2	3.0618	SO_4699	0.2965	0.000396
R.LNIINDVIAQEELLAYAFNQAK.K	15181	3	4.1069	SO_3908	0.3057	7.96E-05
R.LVLADLLSHLR.I	13813	2	3.2316	SO_1117	0.2904	0.0004
K.GDAITVFDLR.F	8710	2	2.9479	SO_1101	0.3231	0.000401
K.FDQAIIAAGSRPIK.L	6474	2	3.4537	SO_0426	0.3219	0.00041
R.AASVAPLSEVLAVNKEPLVSIDFNHNAFSSNF DATQTR.V	11063	3	4.997	SO_2345	0.3398	8.19E-05
K.SLTEIKDVLASR.G	8204	2	3.1422	SO_0256	0.3352	0.000412
K.ANSNLAVLNVLAR.L	8998	2	3.4928	SO_4309	0.2916	0.000413
R.EAYLAALNDAR.N	6801	2	3.3268	SO_2487	0.2663	0.000414
K.TLSGQVLQQLVTK.G	8954	2	3.4076	SO_3559	0.3077	0.000416
R.KVVDGVITDEVEYLSAIEEGR.Y	11465	2	4.161	SO_0224	0.3229	0.00042
K.GATLALEIFCYR.L	10614	2	2.8463	SO_2915	0.3861	0.000424
R.IISVLLNQSGALS.R.V	8254	2	3.5105	SO_2278	0.329	0.000429
K.ASTGYETILDIQPTQIHQR.V	8036	3	3.4372	SO_3991	0.3844	8.69E-05

R.DGASAIYGSDAIGGVINIILK.K	12457	2	3.9331	SO_2907	0.3484	0.000436
K.AIELIQGNLVN.A	7418	2	3.167	SO_1490	0.3005	0.00044
K.LATTTSTENSGLLQELLPK.F	9804	2	3.7007	SO_4719	0.3548	0.000446
R.LVEEVVETGEALNAAIALAAK.V	12127	2	4.1461	SO_1680	0.322	0.000445
K.GESAYLVFDDSIK.S	7964	2	3.1632	SO_0970	0.365	0.000449
Y.YGGCEYVDVVETLAIER.A	10142	2	3.984	SO_3471	0.2869	0.000451
R.ANHFTVSINHLEGFDTLESVNDALK.Q	10233	3	3.7227	SO_0620	0.4023	9.01E-05
K.TVTQDVVIDTK.I	5025	2	3.2172	SO_4317	0.2867	0.000463
K.AYASATGGDR.A	2126	2	2.4595	SO_4349	0.4133	0.000463
K.AANTSTNPATPGELPK.Y	4179	2	3.9023	SO_4105	0.2789	0.000473
K.NLSQDCADSK.A	2280	2	2.7973	SO_0704	0.3489	0.000474
K.VEQVSGEVK.G	3002	2	2.9998	SO_3842	0.2615	0.000479
K.VSAVQPQHR.V	2587	2	3.1693	SO_2487	0.207	0.000489
K.YGFDISRPASN.A	6240	2	3.0478	SO_2912	0.3211	0.000492
R.GQFSAVVNNFLGNQGR.A	9482	2	3.3345	SO_2410	0.3631	0.000496
K.AAFAACEFLIDFLK.T	13787	2	3.4775	SO_4449	0.3086	0.000499
K.GLDAIVVEQPK.A	6311	2	3.3983	SO_1793	0.239	0.000499
R.NYTIGDVVAR.F	6224	2	2.5828	SO_1174	0.3888	0.0005
R.DAAQGILNYLD.-	9106	2	2.8901	SO_1324	0.3521	0.0005
K.LAEALEQLPELVGK.F	9013	2	3.0561	SO_4506	0.3757	0.000506
K.FDTEILFDHINEVTLTERPFR.L	11756	3	3.8625	SO_2303	0.3279	0.0001
R.AGADLIVSYTK.Q	7450	2	3.1926	SO_2587	0.3158	0.000509
K.YAEGYPGKR.Y	3485	2	2.5716	SO_3471	0.367	0.000515
R.SITGSADFIQTNIVGTYTLLEAAR.H	11984	3	4.0694	SO_3188	0.3322	0.000102
K.AASQLAALFTPVVK.G	9816	2	3.1152	SO_2768	0.3658	0.000519
R.QAVTNPNNTFFAIKR.L	7240	2	3.1	SO_1126	0.3807	0.000521
K.ALDNPARPLVAIVGGSK.V	8072	2	4.4263	SO_0932	0.2033	0.000521
K.LAELQPQLAPLFANADYQQALTLLASLR.E	14203	3	3.9766	SO_0014	0.3865	0.000104
K.AGNIAADGTILIK.N	6703	2	3.6189	SO_1630	0.2535	0.000531
R.QFLYETNVGAGLPVIDNLKK.L	9453	2	3.4167	SO_3415	0.3882	0.000532
R.DFVLGPTHEEVITDLIRK.E	9902	2	3.3059	SO_3154	0.3838	0.000539
R.KLDTIIDIRK.K	7247	2	2.9525	SO_2476	0.3082	0.00054
S.IDSQFTHNAWR.N	6411	2	3.2268	SO_2756	0.2767	0.000544
R.VGYINGEYVLNPTVK.Q	7356	2	4.2211	SO_1209	0.1837	0.000547
R.VLASDIYLLK.L	6724	2	2.7776	SO_2619	0.3157	0.000549
K.LITDEAELAGLPDSAK.A	7012	2	3.5248	SO_4699	0.3312	0.000553
K.RPQVLDIPYLLSIQLDSFKK.F	14123	3	4.0814	SO_0224	0.2576	0.00011
W.YGELRTSKGNAIVVHDNQLPEASPGR.I	5288	3	3.8894	SO_0691	0.3795	0.00011
R.QLAAYLGAPESLVYK.A	8581	2	3.2997	SO_2021	0.3494	0.000559
R.FLPYVQELVDDLTK.L	14863	2	3.1497	SO_0556	0.3572	0.000561
K.TILVTGAGAGIGR.A	6127	2	3.04	SO_2935	0.3584	0.000566
K.EQAAYHFLSGYTAK.V	7357	2	3.046	SO_0162	0.3721	0.000567
K.QVEEAGDALPSEDKAK.I	4082	2	3.664	SO_1126	0.3087	0.000569
R.SSELAIIDELGR.E	8968	2	3.4661	SO_0225	0.2512	0.000583
L.SGFGNFDLR.D	7589	2	2.5986	SO_2087	0.3548	0.000593
R.AGDIAAAIGLK.E	7500	2	2.9264	SO_0228	0.337	0.000597
K.ELVEAGASVEIK.-	5897	2	3.2045	SO_0223	0.3055	0.000603
R.SFDIYSR.L	6043	2	2.3681	SO_1794	0.3431	0.000603
R.NVRPDYLAHFQVLVNWDFVNQNFAG.-	15306	3	4.0507	SO_2881	0.3412	0.000119

R.NPQTGEEIKIAAAK.I	4860	2	3.3917	SO_1797	0.3143	0.000608
K.ALDVDFFLVFDDQR.D	12489	2	3.3325	SO_1836	0.3235	0.000619
R.LAPLEALSNFHF.IK.L	11696	2	3.2805	SO_4686	0.3314	0.000628
K.VVSDIDAAIAHIR.R	8274	2	3.2108	SO_1122	0.3239	0.00064
-M*TKPVSDTFDPTLWDQ.V	13596	2	4.0874	SO_4739	0.2529	0.00064
K.GQVLALCAR.F	5759	2	2.7749	SO_3471	0.3089	0.000645
R.IAGINIPDQK.H	6020	2	2.812	SO_0253	0.3313	0.000652
R.LDSYPTIER.V	5190	2	2.9721	SO_2714	0.2533	0.000665
K.LEDIHSVSK.H	3957	2	2.7917	SO_3855	0.3029	0.000668
R.YELADNSNNELK.L	4878	2	2.9709	SO_4257	0.3449	0.000668
M.VADGVEPGYAAK.L	3730	2	3.1956	SO_4349	0.3024	0.000669
R.TDILAGFQAGLETILVTSGVSK.L	15162	2	3.4006	SO_2762	0.3924	0.000673
R.IGLANYLQTK.M	7554	2	3.189	SO_1112	0.237	0.000672
R.LGAAIERPGSSLVGVDAGELAGVGK.L	8152	3	3.7461	SO_1140	0.3838	0.000133
K.DTISVTGNVLR.D	6180	2	3.201	SO_2629	0.2715	0.000684
R.GRIEFSNDALDDLIAR.T	10176	2	3.7163	SO_3130	0.3076	0.000689
K.ILELAAALDSYIPEPER.D	11399	2	3.3766	SO_0217	0.354	0.000698
R.VLIQESIYDR.F	6556	2	3.0798	SO_4480	0.2641	0.000703
K.AGSGNIVVNQRPLDQYFGR.E	7882	2	3.4364	SO_3939	0.3653	0.000713
R.FAQDFLESNLK.-	7788	2	3.2236	SO_0343	0.2638	0.000718
K.HHNTYVVK.L	5205	2	2.4994	SO_2881	0.3379	0.000728
R.IGEGGLFSAQR.I	6635	2	2.7146	SO_2042	0.367	0.000737
K.IGLASPD.LIR.S	7424	2	3.1156	SO_0225	0.2524	0.000736
K.TGALISCAVELALIAANAPK.D	14836	2	3.9058	SO_1526	0.3163	0.000754
K.TNAGTVLVGR.N	4624	2	3.0946	SO_3896	0.2563	0.000761
K.LVPTSTTVAVAEP.LTEAQFR.W	7843	2	4.4339	SO_3546	0.2433	0.000767
R.EGLNV.LQYFISTHG.A	11913	2	3.3238	SO_0225	0.3149	0.000769
R.THGQPASPSTL.GK.E	3378	2	2.4403	SO_2635	0.4244	0.000774
K.AFVIGEGALTHELYK.A	9326	2	3.1597	SO_2762	0.3551	0.000773
R.EEGVN.FL.FNR.Q	8511	2	2.4134	SO_1324	0.3986	0.000774
R.LAVEHKPK.M	3717	2	2.5513	SO_3471	0.3212	0.000778
R.EELDN.LVFIVNCN.LQR.L	10574	3	3.6063	SO_0424	0.2627	0.000152
K.TIV.VV.LPSAAER.Y	7203	2	3.0305	SO_2903	0.3269	0.000783
K.EQYAEFVHTVK.T	6062	2	3.3313	SO_1926	0.2327	0.000784
K.FQFVLS.NTANTLLV.LSPDQI.NRPQN.-	11319	3	4.4929	SO_1698	0.2803	0.000154
R.VIYDV.FDSNEVVEAK.L	8138	2	3.6394	SO_1270	0.2787	0.000792
R.AGVSEDLIR.I	5695	2	3.2775	SO_1095	0.135	0.000797
R.FGF.EAPEYK.T	7016	2	2.5499	SO_4190	0.3522	0.000799
K.RPQVLDIPY.LLSIQLDSFK.K	14519	2	3.7432	SO_0224	0.3226	0.000806
M.PIEDV.FSISGR.G	8149	2	2.6641	SO_0217	0.3714	0.00081
R.ELLSEYDFPGDDL.PVIQ.G	9837	2	3.1759	SO_0217	0.372	0.000814
K.GLVAV.FKDEQ.GQFY.LK.D	10102	2	3.2694	SO_1981	0.3496	0.000819
R.LLISEACPL.LPFHSALDIAR.E	12288	2	3.8774	SO_3937	0.3259	0.000826
K.ANIFFVADDVFPQTLDVVK.T	11871	2	3.4828	SO_0781	0.3533	0.000828
K.EVVFGNDAR.V	4991	2	2.6618	SO_0704	0.3246	0.000838
R.ATDV.DLSQAK.I	3645	2	2.8133	SO_4123	0.3193	0.000841
R.VTIHTARPGV.VIGK.K	5988	2	3.1892	SO_0237	0.3327	0.000842
R.ITKEDVEAFIK.S	7402	2	2.9528	SO_1931	0.3157	0.000846
K.NYGKDNEASLDAFLK.K	8040	2	3.3982	SO_3599	0.3151	0.000853

R.DGFVISGGGGILIVEELEHALAR.G	15735	2	3.5837	SO_3072	0.3706	0.000857
K.GAPSTAEVLVELALDFPLPK.V	14918	2	3.8608	SO_4669	0.3262	0.000856
K.KFLGNVAVFDTGGR.G	8294	2	3.2326	SO_3599	0.3244	0.000867
K.ITAIEIGSVNNEVTIELAPGVVLTSSVTK.A	12069	3	4.5617	SO_1799	0.2889	0.000171
K.KGANHLDDILEAALDNVRPSVEVK.S	11086	3	3.6964	SO_0227	0.3616	0.000172
K.YASSHEWIR.K	6025	2	2.3724	SO_0780	0.3831	0.000886
R.AFPIILTAR.D	10834	2	3.0191	SO_4647	0.268	0.00089
K.VSQAFTVFLPVR.S	9758	2	3.0939	SO_3292	0.309	0.00089
K.AYQSGALDPK.I	3826	2	2.6414	SO_0933	0.3524	0.00089
R.LGIYHEQTKPLVEYYGK.V	7600	2	3.4271	SO_2018	0.3361	0.000896
M.ANYFNSLNL.R.Q	7742	2	2.9828	SO_4349	0.2765	0.000901
R.AFNGVGGSPLEK.A	8157	2	3.2285	SO_1300	0.3229	0.000909
K.IDTALFTAIHDK.K	8084	2	3.1115	SO_0333	0.3045	0.000911
R.AVVWNFPDDIPLHR.E	9624	2	3.2697	SO_4509	0.3161	0.00091
R.EYENTPASEAATK.L	3077	2	2.823	SO_2785	0.3706	0.000909
R.SLISNAGVLVSEVVLISKK.S	15590	2	3.4661	SO_4136	0.3498	0.000935
K.ALEILTFSPK.K	8881	2	2.822	SO_0236	0.3121	0.000943
R.DKVLSPIVSALLK.H	10641	2	3.2473	SO_0655	0.299	0.000947
R.LIEQFSQAGIK.K	6360	2	2.973	SO_1204	0.3063	0.000947
R.VTPFICENLILALPIHK.I	11498	2	3.2773	SO_1518	0.3529	0.000948
R.AIAFYQQHFGVE.F	8033	2	2.9534	SO_1756	0.3322	0.000946
K.FKELVEQR.L	5046	2	2.8632	SO_3134	0.2127	0.000972
K.LYIVQARPETVR.S	6267	2	2.9314	SO_2644	0.3347	0.000976
R.EAQFDWFILGFDAR.L	12548	2	3.1383	SO_0619	0.3339	0.000978
R.SFINPEFDGAR.A	8901	2	3.1081	SO_0049	0.3013	0.000989
K.VLSPYVLTFTQIEK.A	10228	2	3.0299	SO_1571	0.3617	0.000992
R.AIVFDHDANIVSVSQR.E	7248	2	3.1947	SO_4230	0.3509	0.000993
K.AIIALTESGATPK.L	6349	2	2.7524	SO_2491	0.3765	0.000996
K.GKPAVVFFYPLDF.T	12359	2	2.8949	SO_2756	0.3554	0.001007
K.KNNLSAADVAK.L	3831	2	2.7031	SO_2062	0.3544	0.001023
R.EFEFPVSWGIDLSSEHER.Y	10896	2	3.25	SO_2218	0.3613	0.001039
R.TGRNPQTGEEIK.I	3056	2	3.2205	SO_1797	0.275	0.001066
M.VESFFEEIR.G	8799	2	2.8333	SO_2087	0.2689	0.001076
K.TAPHLGDNLALAAQEVLTSEQHANLR.E	11834	3	3.5766	SO_1375	0.3972	0.000204
K.AVSPALESQIDVK.D	5464	2	3.4811	SO_3287	0.2709	0.001082
R.LKDTPTGVFTLLVEK.I	10417	2	3.5216	SO_0125	0.2835	0.001087
R.LALSGLAQGLAQASKQIFDVTK.I	10553	2	3.1733	SO_2934	0.3955	0.001091
R.GQVLSKPGSINPHTTFESEVYVLSKEEGGR.H	9249	3	4.017	SO_0217	0.3686	0.000207
R.FIAATNANDTVPR.Y	4889	2	3.0686	SO_3413	0.3233	0.001106
L.AAETSDASFAVR.S	4833	2	2.974	SO_2644	0.3209	0.001117
K.VVSSYLEFFGEGAEALTLGDR.A	12326	2	3.9063	SO_0343	0.3084	0.001119
R.SIAAVANGAGTK.T	3794	2	2.8884	SO_1218	0.3356	0.001128
R.EVTAAVQSDLTQICR.D	7242	2	3.3708	SO_4055	0.3205	0.001138
R.AEPQVEQIALLSR.E	7687	2	3.3651	SO_3986	0.2657	0.001184
R.IEFSNDALDDLIAR.T	10264	2	3.3232	SO_3130	0.3109	0.0012
K.YDLVQLIR.E	9228	2	2.8751	SO_2730	0.1959	0.001214
K.TTLSADPKR.F	3132	2	2.4464	SO_0162	0.355	0.001216
K.LNAIAAPHGVGR.I	4954	2	2.8746	SO_0278	0.334	0.001231
R.GIEVGHIFQLGTNYSK.S	9136	2	3.9765	SO_3154	0.2161	0.001251

