

SUPPLEMENTAL TABLE S1 - LTQ-Orbitrap mass spectrometry data of proteins differentially expressed with or without cell therapy

Mass spectrometry data for all proteins is listed by order of protein numbering in the manuscript in Figure 8A
 Abbreviations: m/z = mass to charge ratio; Mr(Exp) or Mr(Calc) = nominal molecular mass, experimental or calculated; Delta = mass difference between Mr(Exp) and Mr(Calc); z = charge; Miss = number of missed tryptic cleavages; Expect = peptide-value
 Amino acid modifications: C = carbamidomethyl cysteine; M/S = methionine sulfoxide; # = protein amino-terminal acetylation

Spot Number	Accession #	Protein Name/Description	Protein Score	Matches	Peptide Unique	Terminal	Mass	pl	query	Exp. m/z	Exp. Mr	z	Calc. Mr	Delta	Miss	Score	Expect	Before	Peptide Sequence	After							
1	Q92111	Serotransferrin	1526	60	32	76674	6.94	140	439.7412	877.4679	2	877.4658	0.0021	0	41.15	0.018 K		DSAFGLLR	V								
								142	439.7415	877.4684	2	877.4658	0.0026	0	41.52	0.015 K		DSAFGLLR	V								
								202	475.2835	948.5525	2	948.5505	0.0020	0	54.77	0.00023 R		IPSHAVVAR	K								
								204	475.2836	948.5527	2	948.5505	0.0022	0	46.26	0.0016 R		IPSHAVVAR	K								
								205	475.2837	948.5528	2	948.5505	0.0023	0	43.74	0.0029 R		IPSHAVVAR	K								
								221	482.7411	963.4677	2	963.4662	0.0016	0	43.34	0.0086 K		DGGDGVAVFK	H								
								222	482.7415	963.4684	2	963.4662	0.0022	0	81.6	1.30E-06 K		DGGDGVAVFK	H								
								227	485.2749	968.5353	2	968.5331	0.0022	0	37.11	0.017 K		GYAVAVVK	A								
								229	485.2753	968.536	2	968.5331	0.0029	0	43.79	0.0036 K		GYAVAVVK	A								
								230	486.2563	970.498	2	970.4971	0.0008	0	34.33	0.044 K		LPGETTPEK	A								
								247	482.2299	982.4453	2	982.443	0.0023	0	34.26	0.039 K		TSYPTDK	Y								
								482	619.8258	1237.637	2	1237.634	0.0028	0	63.47	5.30E-05 K		DFQLFSSPLGK	D								
								487	621.3104	1240.606	2	1240.605	0.0015	0	49.37	0.0012 K		HQTVLDNTEGK	N								
								490	414.5432	1240.608	2	1240.605	0.003	0	33.78	0.047 K		HQTVLDNTEGK	N								
								530	653.7602	1305.566	2	1305.563	0.0032	0	43.15	0.0017 K		EYNGYTGAFR	C								
								531	653.7908	1305.567	2	1305.563	0.0044	0	35.69	0.0094 K		EYNGYTGAFR	C								
								537	657.3595	1312.704	2	1312.703	0.0017	0	34.04	0.032 K		HTTFEVLPEK	A								
								540	657.3605	1312.707	2	1312.703	0.0038	0	36.93	0.017 K		HTTFEVLPEK	A								
								541	438.5761	1312.707	2	1312.703	0.0039	0	33.04	0.041 K		HTTFEVLPEK	A								
								545	662.2994	1322.584	2	1322.581	0.0031	0	47.63	0.0011 K		C'DEWSISEGK	I								
								553	675.34	1348.666	2	1348.662	0.0032	0	40.02	0.014 K		GTDFQLNLEGGK	K								
								554	675.3403	1348.666	2	1348.662	0.0038	0	34.74	0.044 K		GTDFQLNLEGGK	K								
								560	680.8027	1359.591	2	1359.588	0.0032	0	50.52	0.00038 K		WC'AVSEHENTK	K								
								565	455.9007	1364.68	3	1364.676	0.0043	1	36.32	0.028 K		C'KLDGGDGVAVFK	H								
								576	473.8907	1418.777	2	1418.767	0.0032	0	38.78	0.0093 R		LYLGHNVYTAIR	N								
								580	473.9308	1418.771	2	1418.767	0.0035	0	47.72	0.0012 R		LYLGHNVYTAIR	N								
								581	710.3928	1418.771	2	1418.767	0.0041	0	61.34	5.40E-05 R		LYLGHNVYTAIR	N								
								596	727.3904	1452.766	2	1452.761	0.0049	1	54.2	0.00029 K		SKDPLFSSPLGK	D								
								605	739.3932	1476.757	2	1476.757	0.0046	0	55.44	0.00029 K		KGTDFQLNLEGGK	K								
								617	770.361	1538.707	2	1538.704	0.0039	0	79.96	6.40E-07 R		DQYELLC'LDNTR	K								
								623	518.2498	1551.727	2	1551.724	0.0035	1	43.16	0.005 R		TKC'DEWSISEGK	I								
								627	780.9357	1559.857	2	1559.853	0.0035	0	30.43	0.043 R		SAGWVPIGLLFC'K	L								
								633	790.3583	1578.702	2	1578.698	0.0036	0	64.15	2.10E-05 K		QEDFELLC'PDGTR	K								
								649	809.8732	1617.732	2	1617.728	0.0039	0	68.98	7.50E-06 K		YLGAEYMQSVGNM@R	K								
								656	545.5829	1633.727	3	1633.723	0.004	0	39.34	0.0063 K		YLGAEYMQSVGNM@R	K								
								657	817.8711	1633.728	2	1633.723	0.0048	0	72.59	3.10E-06 K		YLGAEYMQSVGNM@R	K								
								658	817.8713	1633.728	2	1633.723	0.0052	0	78.04	8.70E-07 K		YLGAEYMQSVGNM@R	K								
								651	825.8695	1649.722	2	1649.718	0.0046	0	66.17	3.0004 K		YLGAEYMQSVGNM@R	K								
								662	825.8693	1649.724	2	1649.718	0.0063	0	49.07	0.00054 K		YLGAEYMQSVGNM@R	K								
								666	552.9289	1655.765	3	1655.761	0.0035	0	50.24	0.0007 R		KPVQYEDC'YLAR	I								
								668	552.929	1655.765	3	1655.761	0.0037	0	38.95	0.0093 R		KPVQYEDC'YLAR	I								
								669	828.8906	1655.767	2	1655.761	0.0054	0	70.63	7.20E-06 R		KPVQYEDC'YLAR	I								
								711	558.5896	1780.744	2	1780.74	0.0049	0	50.14	0.00016 K		FDFEFSGQC'APGYEK	N								
								712	891.3797	1780.745	2	1780.74	0.0045	0	61.8	1.20E-05 K		FDFEFSGQC'APGYEK	N								
								713	891.3797	1780.745	2	1780.74	0.0045	0	26.83	0.038 K		FDFEFSGQC'APGYEK	N								
								720	605.2549	1812.743	3	1812.739	0.0037	0	41.45	0.00086 K		IEC'ESATTEDEC'IEK	I								
								721	907.3791	1812.744	3	1812.739	0.0043	0	41.85	0.00082 K		IEC'ESATTEDEC'IEK	I								
								722	907.3791	1812.744	3	1812.739	0.0044	0	76.01	3.20E-07 K		IEC'ESATTEDEC'IEK	I								
								723	907.3798	1812.745	3	1812.739	0.0058	0	34.35	0.0044 K		IEC'ESATTEDEC'IEK	I								
								734	627.965	1880.873	3	1880.869	0.0046	1	31.45	0.042 K		ADRDQYELLC'LDNTR	K								
								747	974.4518	1956.889	2	1956.885	0.0043	0	60.57	3.70E-05 R		NQOEGVC'PEGSINDSPVK	W								
								748	974.4521	1956.89	2	1956.885	0.0049	0	74.04	1.00E-06 K		NQOEGVC'PEGSINDSPVK	W								
								749	653.3038	1956.89	3	1956.885	0.005	0	52.08	0.00026 R		NQOEGVC'PEGSINDSPVK	W								
								768	502.7517	2006.978	4	2006.975	0.0031	0	47.91	0.0011 K		DFASC'HLAQAPNHVVSR	K								
								769	707.0005	2006.98	3	2006.975	0.0061	0	53.87	0.0003 K		DFASC'HLAQAPNHVVSR	K								
								770	707.0008	2006.981	3	2006.975	0.0061	0	52.53	0.0004 K		DFASC'HLAQAPNHVVSR	K								
								822	1115.522	2229.029	2	2229.024	0.0052	0	39.48	0.0048 K		AVSSFFSGSC'VPC'ADPVAFFPK	L								
								893	1276.596	2551.178	2	2551.172	0.0055	0	59.25	4.70E-05 K		AVSSFFSGSC'VPC'ADPVAFFPK	S								
								894	851.4009	2551.181	3	2551.172	0.0086	0	68.69	5.00E-06 K		AVSSFFSGSC'VPC'ADPVAFFPK	S								
								901	914.4068	2740.199	3	2740.191	0.0079	0	37.07	0.00031 K		LC'QLC'PGC'GC'SSTQPFYGVGAFK	C								
								905	850.7922	1107.827	2	1107.827	0.0062	0	57.37	0.00026 R		NTVYVDFGQIVR	S								
								902	737.4257	1472.837	2	1472.835	0.0018	0	80.2	4.30E-07 R		LGANSLDLVVFGR	A								
								326	529.2991	1056.584	2	1056.582	0.0022	0	47.76	0.0025 K		GIIDLEER	T								
								511	638.8993	1265.704	2	1265.702	0.0021	0	32.77	0.03 R		SFTFVLSGALK	N								
								612	750.8801	1498.746	2	1499.741	0.0047	0	64.8	3.20E-05 R		AIYFDGDFGQIVR	N								
								625	682.8217	1303.629	2	1303.627	0.0019	0	43.84	0.00037 K		FMNBFYFNK	D								
								626	780.8799	1559.745	2	1559.743	0.0025	0	50.62	0.00074 K		ALQEGEGDLSISDR	L								
								645	815.9102	1629.806	2	1629.8	0.0059	0	79.71	1.00E-06 K		FNISNGGAPPEAIDK	I								
								705	709.3917	1416.769	2	1416.765	0.0042	0	37.79	0.013 K		IM@EADQASVAFK	K								
								851	310.4006	1813.9	2	1813.894	0.0031	0	49.09	0.0014 R		EM@EATLNLVYAGAPK	S								
								578	611.6406	1831.9	3	1831.895	0.0049	0	45.25	0.0025 R		LPKAPFVSEADVDVYR	V								
								2	Q92111	Serotransferrin	2143	90	33	76674	6.94	141	439.7416	877.4687	2	877.4658	0.003	0	52.88	0.001 K		DSAFGLLR	V
																202	475.2829	948.5513	2	948.5505	0.0008	0	46.79	0.00088 R		IPSHAVVAR	K
																203	475.2829	948.5515	2	948.5505	0.0008	0	43.47	0.003 K		IPSHAVVAR	K
																205	475.2831	948.5517	2	948.5505	0.0012	0	46.54	0.0015 R		IPSHAVVAR	K
																224	482.7411	963.4676	2	963.4662	0.0014	0	63.56	8.20E-05 K		DGGDGVAVFK	H
																225	482.7414	963.4682	2	963.4662	0.002	0	82.01	1.20E-06 K		DGGDGVAVFK	H
																226	482.7417	963.4689	2	963.4662	0.0027	0	73.94	7.30E-06 K		DGGDGVAVFK	H
																233	485.275	968.5354	2	968.5331	0.0023	0	44.73	0.0029 K		GYAVAVVK	A
																236	486.2558	970.4971	2	970.4971	0	0	43.06	0.0065 K		LPGETTPEK	Y
																254	492.2295	982.4444	2	982.443	0.0014	0	34.21	0.039 K		TSYPTDK	Y
																401	598.7885	1171.562	2	1171.559	0.0033	0	47.69	0.0028 R		LLEACT'FHK	H
																464	586.2892	1170.564	2	1170.56	0.0035	0	50.14	0.00037 K		WC'AVSEHENTK	K
																528	619.8259	1237.637	2	1237.634	0.0029	0	39.69	0.012 K		DFQLFSSPLGK	D
																529	619.8264	1237.638	2	1237.634	0.004	0	61.41	7.90E-05 K		DFQLFSSPLGK	D
																533	621.3099	1240.605	2	1240.605	0.0004	0	64.68	3.30E-05 K		HQTVLDNTEGK	N
																534	621.3102	1240.606	2	1240.605	0.001	0	52.76	0.00082 K		HQTVLDNTEGK	N
																536	621.3105	1240.606	2	1240.605	0.0016	0	43.48	0.0048 K		HQTVLDNTEGK	N
																538	621.3113	1240.608	2	1240.605	0.0						

						1282	931.4091	1860.804	2	1860.798	0.0053	0	78.29	4.10E-07	R	VGLIGSC*TNSSYEDM@GR	S		
						1283	931.4094	1860.804	2	1860.798	0.0061	0	104.4	1.00E-09	R	VGLIGSC*TNSSYEDM@GR	S		
						1284	931.4095	1860.805	2	1860.798	0.0063	0	71.91	1.80E-06	R	VGLIGSC*TNSSYEDM@GR	S		
						1286	623.6421	1867.904	3	1867.906	-0.002	0	50.39	0.00062	K	IVYGHLDPPANDEIER	G		
						1287	623.644	1867.91	3	1867.906	0.0037	0	52.31	0.00044	K	IVYGHLDPPANDEIER	G		
						1288	934.9628	1867.911	2	1867.906	0.0046	0	40.78	0.0059	K	IVYGHLDPPANDEIER	G		
						1289	623.645	1867.913	3	1867.906	0.0068	0	40.04	0.0078	K	IVYGHLDPPANDEIER	G		
						1323	636.3365	1905.988	3	1905.984	0.004	1	48.18	0.00095	K	KOGLPLTFADPSDYNK	I		
						1325	636.3367	1905.988	3	1905.984	0.0048	1	35.23	0.019	K	KOGLPLTFADPSDYNK	I		
						1326	954.0021	1905.99	2	1905.984	0.0061	1	70.98	5.10E-06	K	KOGLPLTFADPSDYNK	I		
						1353	651.6758	1952.006	3	1952	0.0054	1	40.85	0.0057	R	AKDINQEVYNFLATAGAK	Y		
						1354	977.0104	1952.006	2	1952	0.006	1	101.85	4.50E-09	R	AKDINQEVYNFLATAGAK	Y		
						1355	651.6763	1952.007	3	1952	0.0069	1	51.01	0.00055	R	AKDINQEVYNFLATAGAK	Y		
						1427	720.0125	2157.016	3	2157.011	0.0081	0	81.66	4.10E-07	R	GKGLDNISNLLIGAINENK	A		
						1485	740.3997	2218.177	3	2218.171	0.0066	0	43	0.0017	R	GKGLDNISNLLIGAINENK	A		
						1487	740.3997	2218.177	3	2218.171	0.0068	0	51.69	0.00023	R	GKGLDNISNLLIGAINENK	A		
						1490	740.4	2218.178	3	2218.171	0.0077	0	47.33	0.00059	R	GKGLDNISNLLIGAINENK	A		
						1493	555.5519	2218.179	2	2218.171	0.0081	0	44.75	0.0011	R	GKGLDNISNLLIGAINENK	A		
						1495	1110.097	2218.179	2	2218.171	0.0085	0	117.61	5.50E-11	R	GKGLDNISNLLIGAINENK	A		
						1551	1130.575	2259.136	2	2259.132	0.0045	0	73.22	2.70E-06	K	VAVPSTIHC*DHLEAQVGGEK	D		
						1554	754.0531	2259.138	3	2259.132	0.0057	0	49.4	0.00069	K	VAVPSTIHC*DHLEAQVGGEK	D		
						1555	754.0535	2259.139	3	2259.132	0.0062	0	32.43	0.033	K	VAVPSTIHC*DHLEAQVGGEK	D		
						1596	762.7112	2325.112	2	2325.105	0.0078	1	69.23	6.70E-06	R	DVWGVLNANAG*GPC*IGQWDR	K		
						1636	1169.587	2337.159	2	2337.153	0.006	0	100.98	4.10E-09	R	VAMQDATAQAMAMLOFISGLPK	V		
						1637	1169.587	2337.16	2	2337.153	0.0072	0	103.58	2.20E-09	R	VAMQDATAQAMAMLOFISGLPK	V		
						1647	1177.584	2353.154	2	2353.148	0.0057	0	34.55	0.019	R	VAM@QDATAQAMAMLOFISGLPK	V		
						1648	1177.584	2353.154	2	2353.148	0.0061	0	78.34	7.60E-07	R	VAM@QDATAQAMAMLOFISGLPK	V		
						1650	1177.585	2353.155	2	2353.148	0.0069	0	79.8	5.50E-07	R	VAM@QDATAQAMAMLOFISGLPK	V		
						1652	785.393	2353.157	3	2353.148	0.0092	0	66.81	1.10E-05	R	VAM@QDATAQAMAMLOFISGLPK	V		
						1660	788.0183	2361.033	3	2361.026	0.0073	1	40.38	0.0024	R	SDFDPGQDYGHPKPKDSSGGR	V		
						1667	1185.581	2369.147	2	2369.143	0.0044	0	76.85	1.10E-06	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1669	1185.582	2369.15	2	2369.143	0.0046	0	76.85	1.10E-06	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1672	790.724	2369.15	3	2369.143	0.0073	0	60.05	5.70E-05	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1673	790.724	2369.15	3	2369.143	0.0073	0	59.99	5.70E-05	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1675	1185.583	2369.151	2	2369.143	0.0078	0	81.62	3.90E-07	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1676	1185.583	2369.151	2	2369.143	0.0081	0	47.53	0.00097	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1677	790.724	2369.151	3	2369.143	0.0083	0	42.8	0.0029	R	VAMQDATAQAM@AM@LOFISGLPK	V		
						1688	1193.58	2385.145	2	2385.138	0.0073	0	119.34	5.60E-11	R	VAM@QDATAQAM@AM@LOFISGLPK	V		
						1691	796.0563	2385.147	3	2385.138	0.0092	0	66.17	1.20E-05	R	VAM@QDATAQAM@AM@LOFISGLPK	V		
						1790	927.4897	2779.447	3	2779.439	0.0082	0	54.12	9.60E-05	R	NDANPETHAFVTSPEITVLAIAAGTLK	F		
						1792	927.4901	2779.449	3	2779.439	0.0093	0	60.87	2.10E-05	R	NDANPETHAFVTSPEITVLAIAAGTLK	F		
						1793	927.4902	2779.449	3	2779.439	0.0095	0	40.57	0.0023	R	NDANPETHAFVTSPEITVLAIAAGTLK	F		
						1799	927.819	2780.435	3	2779.439	0.0091	0	46.89	0.00073	R	NDANPETHAFVTSPEITVLAIAAGTLK	F		
						1844	975.8171	2924.429	3	2924.421	0.0089	1	44.83	0.0012	K	HPNQTOETLLNHTFNETOIEVFR	A		
						1914	1008.269	4029.046	4	4029.037	0.0087	1	71.56	9.40E-07	R	NDANPETHAFVTSPEITVLAIAAGTLKFNPEFDLTGK	A		
						4929	1147.772	4587.06	4	4587.056	0.0034	0	43.02	0.00047	R	NDANPETHAFVTSPEITVLAIAAGTLKFNPEFDLTGK	A		
Q92111	Serotransferrin	120	3	3	76674	6.94	216	482.7415	963.4685	2	963.4662	0.0023	0	63.69	7.80E-05	K	DGGDGVAVFK	N	
							801	473.9307	1418.77	3	1418.767	0.0033	0	41.26	0.0054	R	LYLGHNYVTAIR	H	
							1243	907.3793	1812.744	2	1812.739	0.0047	0	56.15	3.10E-05	K	IEC*ESATETEDC*IEK	I	
Q8BMS1	Trifunctional enzyme subunit alpha, mi	82	2	2	82617	9.24	1027	1024.102	2046.189	2	2046.184	0.0056	0	56.83	7.70E-06	K	ADMI@EVHFGPQVDSIS*GTM@ATCNM@GAEIGATTSVFPYNNR	L	
							24	386.752	771.4894	2	771.4854	0.004	0	73.51	0.0044	K	LTIQGLK	D	
7	Q99K10	Aconitate hydratase, mitochondrial	4821	147	44	85410	8.08	45	600.767	795.5198	2	795.5167	0.0027	0	34.68	0.026	K	VAGILTVK	D
							182	461.7417	921.4689	2	921.4668	0.0021	0	42.3	0.012	R	EHAALEPR	H	
							183	461.7419	921.4693	2	921.4668	0.0025	0	41.59	0.013	R	EHAALEPR	H	
							184	461.7423	921.4701	2	921.4668	0.0033	0	56.32	0.0004	R	EHAALEPR	H	
							192	468.2521	934.4896	2	934.4872	0.0021	0	54.91	0.0049	R	DGYAQILR	D	
							193	468.2523	934.4901	2	934.4872	0.0029	0	48.68	0.0028	R	DGYAQILR	D	
							194	468.2525	934.4905	2	934.4872	0.0032	0	57.88	0.00033	R	DGYAQILR	D	
							195	468.2527	934.4909	2	934.4872	0.0037	0	45.02	0.0061	R	DGYAQILR	D	
							245	493.2601	984.5057	2	984.5029	0.0028	0	56.09	0.00027	K	EGWPLDIR	V	
							246	493.2603	984.5061	2	984.5029	0.0032	0	45.9	0.0027	R	EGWPLDIR	V	
							249	494.7577	987.5008	2	987.4985	0.0022	0	39.82	0.018	R	VDVSPTSQR	L	
							250	494.7577	987.5008	2	987.4985	0.0023	0	39.93	0.018	R	VDVSPTSQR	L	
							253	494.7579	987.5012	2	987.4985	0.0027	0	51.28	0.0013	R	VDVSPTSQR	L	
							254	494.7579	987.5012	2	987.4985	0.0027	0	36.22	0.042	R	VDVSPTSQR	L	
							365	534.2778	1066.541	2	1066.541	0.0004	0	49.51	0.0014	K	NTIVTSYNR	N	
							367	534.2787	1066.543	2	1066.541	0.0022	0	50.6	0.0012	K	NTIVTSYNR	N	
							369	534.2789	1066.543	2	1066.541	0.0025	0	36.27	0.034	K	NTIVTSYNR	N	
							370	534.279	1066.543	2	1066.541	0.0027	0	51.33	0.0011	K	NTIVTSYNR	N	
							407	551.8119	1101.605	1	1101.607	0.0021	0	36.53	0.029	K	LNRPILTSEK	I	
							408	551.8122	1101.61	1	1101.607	0.0028	0	54.14	0.00051	R	LNRPILTSEK	I	
							491	585.8461	1169.678	2	1169.677	0.0009	0	33.86	0.019	R	LNRPILTSEK	I	
							492	585.8462	1169.678	2	1169.677	0.001	0	40.09	0.0046	R	LNRPILTSEK	I	
							493	585.8467	1169.679	2	1169.677	0.0021	0	40.53	0.0049	R	LNRPILTSEK	I	
							494	585.8469	1169.679	2	1169.677	0.0024	0	38.81	0.0073	R	LNRPILTSEK	I	
							527	600.3499	1198.685	2	1198.681	0.0043	0	51.24	0.00048	K	DLEDLQILK	V	
							528	600.35	1198.686	2	1198.681	0.0046	0	69.67	7.00E-06	K	DLEDLQILK	V	
							529	600.3503	1198.686	2	1198.681	0.0053	0	32.19	0.039	K	DLEDLQILK	V	
							559	613.3073	1224.612	2	1224.599	0.0015	0	85.65	3.20E-07	R	LEAPDADELPR	S	
							560	613.3078	1224.601	2	1224.599	0.0024	0	47.04	0.0024	K	LEAPDADELPR	S	
							561	613.308	1224.601	2	1224.599	0.0028	0	76.76	2.70E-06	K	LEAPDADELPR	S	
							562	613.308	1224.601	2	1224.599	0.0028	0	68.18	6.70E-05	K	LEAPDADELPR	S	
							564	613.3102	1224.606	2	1224.599	0.0072	0	48.13	0.0019	K	LEAPDADELPR	S	
							571	617.3297	1232.643	2									

						514	693.3609	1384.707	2	1384.702	0.0052	0	45.71	0.0024	R	IMNVGEPIDER	G	
						518	701.3583	1400.702	2	1400.697	0.0051	0	46.4	0.0022	R	IMNVGEPIDER	G	
						532	718.3833	1434.752	2	1434.747	0.0054	0	77.46	1.70E-06	R	FTQAGSEVALGR	I	
						536	720.4007	1438.787	2	1438.782	0.0048	0	95.91	1.80E-08	R	VALTGLTYVEYFR	D	
						550	737.4237	1472.833	2	1472.827	0.0056	0	75.51	1.20E-06	K	VALVLELNWAK	A	
						582	801.4117	1600.809	2	1600.803	0.0057	0	38.3	0.013	K	VALVYQGMNEPFGAR	A	
						602	550.9793	1649.916	3	1649.91	0.006	0	33.64	0.014	R	LVLEVAQHLGESTVR	T	
						603	825.9857	1649.917	2	1649.91	0.0068	0	79.09	3.90E-07	R	LVLEVAQHLGESTVR	T	
						716	530.3726	1918.086	3	1918.089	0.0071	0	45.52	0.0026	K	VLDSGPKPIVPELTLGR	F	
						718	961.4855	1920.956	2	1920.958	-0.0018	0	55.22	0.00022	R	DOEGDDVLLDFINFR	I	
						749	663.3511	1987.031	3	1987.026	0.0052	0	33.33	0.025	R	AIAGLGYPAVDPLDSTR	I	
						750	994.5244	1987.034	2	1987.026	0.008	0	43.1	0.0028	R	AIAGLGYPAVDPLDSTR	I	
						876	676.6993	2297.073	2	2297.067	0.0092	0	50.2	0.00052	R	IFSAVGYOPLATDMGIGTMQER	I	
						915	1238.9897	3713.886	3	3713.879	0.0058	0	39.33	0.0021	R	GSTIATGAVPADDLTPAPFAHLDATTLSLR	A	
Q99KJ8	Dynactin subunit 2	499	12	10	44090	5.14	240	514.8224	1027.63	2	1027.628	0.0026	0	43.03	0.0029	R	LLLOLEATK	I
						244	516.2914	1030.568	2	1030.566	0.0024	0	69.72	1.90E-05	R	LTELEATVR	S	
						406	592.8739	1183.732	2	1183.729	0.0036	1	49.11	0.00025	K	RLLLOLEATK	C	
						574	791.9351	1591.856	2	1591.852	0.0041	0	51.09	0.0004	R	WSPRTLPPELVGR	I	
						577	796.4121	1590.81	2	1590.804	0.0061	0	66.65	2.70E-05	K	DNTALLTVQVTMR	E	
						579	533.6314	1597.872	3	1597.868	0.0049	0	54.81	0.00017	K	VSALLDLAVDVEAR	L	
						580	799.9444	1597.874	2	1597.868	0.0067	0	66.72	1.20E-05	K	VSALLDLAVDVEAR	L	
						586	804.4093	1606.804	2	1606.799	0.0056	0	87.93	1.70E-07	R	DNTALLTVQVTMR	E	
						610	834.4493	1686.884	2	1686.878	0.0064	0	57.23	9.40E-05	R	LLHEVLELVEYK	R	
						692	918.002	1833.99	2	1833.984	0.0059	0	52.31	0.00027	K	LLGPDAINADPDLGALK	I	
						711	952.9365	1903.859	2	1903.851	0.0075	0	89.52	4.90E-08	R	TGYESGDYEMLEGGELGVK	R	
						717	960.9335	1919.852	2	1919.846	0.0065	0	75.76	1.40E-06	R	TGYESGDYEMLEGGELGVK	R	
						259	628.0221	1043.55	2	1043.536	0.0033	0	34.94	0.05	R	QYVLEK	E	
						297	536.7495	1071.485	2	1071.481	0.0037	0	49.97	0.00061	R	C'YOLEFGR	K	
						312	546.2715	1090.528	2	1090.526	0.0029	0	88.79	2.20E-07	K	GAGTDDTLVR	I	
						342	558.8277	1115.641	2	1115.637	0.0036	0	56.45	0.0002	R	VLIEILCTR	T	
						594	817.3794	1632.736	2	1632.73	0.0062	0	60.37	4.90E-05	K	TLSTMIIASDTSGDYR	K	
						598	547.8025	1640.74	3	1640.733	0.0071	0	34.27	0.021	R	QYVLEK	K	
						618	853.9233	1705.832	2	1705.827	0.005	0	75.48	2.50E-06	K	FGTDEQAVDVVSNR	S	
						620	569.6182	1705.833	3	1705.827	0.0057	0	46.6	0.0019	K	FGTDEQAVDVVSNR	S	
						633	864.4109	1726.807	2	1726.802	0.0055	0	109.07	9.70E-10	R	LGTDESC'FNMLIATR	S	
						637	872.4094	1742.804	2	1742.797	0.0074	0	63.94	2.50E-05	R	LGTDESC'FNMLIATR	S	
						642	887.8598	1760.831	3	1760.825	0.0057	0	36.52	0.016	K	TLSTMIIASDTSGDYR	L	
						712	636.3389	1905.995	3	1905.988	0.0066	0	31.33	0.043	K	TLQC'ALNPAFFAAR	I	
						447	615.3243	1228.534	2	1228.63	0.0042	0	43.38	0.0056	K	LQEEQLNTAA	-	
						455	622.9888	1242.558	2	1242.555	0.004	0	47.01	0.0013	K	TLQ'SAVYENK	-	
						468	632.3711	1262.725	2	1262.72	0.0042	0	63.57	1.50E-05	K	AALESAPPYK	-	
						539	721.3829	1440.751	2	1440.746	0.0053	0	78.74	1.10E-06	K	VIVLGTPEAEDGGK	I	
						540	721.3829	1440.751	2	1440.746	0.0053	0	45.06	0.0025	K	VIVLGTPEAEDGGK	I	
						787	710.0806	2127.22	3	2127.213	0.0075	0	31.31	0.0038	K	ALAMTALDVIKFALEGVK	R	
						788	715.412	2143.214	3	2143.208	0.0068	0	61.48	7.80E-06	K	ALAMTALDVIKFALEGVK	R	
						789	715.4124	2143.215	3	2143.208	0.0079	0	66.38	2.50E-06	K	ALAMTALDVIKFALEGVK	R	
						850	750.7401	2249.199	3	2249.19	0.0082	0	60.69	2.40E-05	M	GPVVERPAEPTGSAEELLEK	R	
						903	772.7414	2315.202	3	2315.195	0.0074	0	31.5	0.026	K	NGGVKPIIPSSELYVYFR	A	
						958	941.4513	2821.323	3	2821.323	0.0092	0	32.04	0.023	R	AAALATCG'TVDIESEAHYDYNVFNK	A	
						29	376.254	792.623	2	792.613	0.0033	0	40.46	0.015	K	C'DIEDK	K	
						32	398.2417	794.4686	2	794.465	0.0038	0	39.19	0.0099	K	IAPPER	K	
						192	488.7292	975.4439	2	975.441	0.0029	0	62.42	5.50E-05	K	AGFAGDDAPR	A	
						354	565.7793	1129.544	2	1129.54	0.0037	0	44.78	0.0033	R	GYSFVITAEK	E	
						557	500.8691	1498.705	3	1499.701	0.0049	0	32.69	0.047	K	QYVLEK	E	
						659	750.8616	1498.706	2	1499.701	0.0059	0	59.97	0.0001	K	QYVLEK	E	
						659	895.9529	1789.891	2	1789.885	0.0067	0	102	5.60E-09	R	SYELPDGOVITIGNER	F	
						734	978.5303	1955.046	2	1955.036	0.0096	0	32.27	0.026	R	VAPEEHTLTPAELNPK	A	
						924	791.3926	2371.156	3	2371.148	0.0081	1	48.21	0.00074	R	KOLYANNVLSGGTMTM@YPIADR	M	
						942	1288.585	2535.156	3	2535.151	0.0052	0	53.02	0.0001	K	LC'YVALDFENEMATAASSSLEK	S	
						945	851.3925	2551.156	3	2551.146	0.0098	0	45.6	0.0011	K	LC'YVALDFENEMATAASSSLEK	S	
						456	632.3182	1262.622	2	1262.618	0.0043	0	52.6	0.00082	K	DVOM@LQDAISK	L	
						465	632.3182	1262.622	2	1262.618	0.0043	0	50.36	0.0012	K	DVOM@LQDAISK	L	
						466	632.3185	1262.623	2	1262.618	0.0049	0	59.95	0.00013	K	DVOM@LQDAISK	L	
						615	851.9129	1701.811	2	1701.806	0.0056	0	56.18	1.30E-07	R	ELEVESDGOFELEK	M	
						622	854.4283	1706.842	2	1706.836	0.0059	0	34.5	0.031	K	EGEEAGPDLLEAVPK	A	
						861	1135.087	2268.159	2	2268.153	0.0063	0	65.8	1.10E-05	R	LPGGLDPEVVEYSLPEELQK	C	
						300	539.8123	1077.611	2	1077.607	0.003	0	36.45	0.019	R	NSYLEVILK	L	
						370	576.254	1160.813	2	1160.803	0.0043	0	48.37	0.0067	K	GSEYVDVQGR	O	
						515	693.8855	1385.756	2	1385.751	0.005	0	69.41	9.20E-06	R	TGEAVDAALSALR	L	
						562	764.4307	1526.847	2	1526.842	0.0051	0	101.64	3.00E-09	K	LAAVDATVNOVLASR	E	
						583	801.4208	1600.827	2	1600.821	0.0061	0	53.83	0.00034	R	GSTAPVGGSGFSPTTR	Y	
						523	508.2689	1014.523	2	1014.521	0.0024	0	40.88	0.011	K	LGM@SAFYK	E	
						408	498.334	1188.564	2	1188.563	0.0032	0	73.46	5.10E-05	R	VAPEEHTLTPAELNPK	A	
						547	727.8358	1453.657	2	1453.651	0.0064	0	57.09	0.00014	R	NVETM@NYADIER	T	
						734	835.8334	1469.652	2	1469.646	0.0067	0	51.27	0.00035	R	NVETM@NYADIER	T	
						791	1094.07	2186.126	2	2186.122								

P68368	Tubulin alpha-4A chain	161	3	3	49892	4.95	904 703.3798	2107.118	3	2107.11	0.0079	0	60.38	3.00E-05	R	M@VLAAGGVEHQDLDLAK	H							
							1021 777.0782	2328.213	3	2328.206	0.0069	0	73.68	1.80E-06	K	VVELLADIVQNSLSDSEK	H							
							655 744.4457	1486.877	2	1486.872	0.0051	0	77.29	3.40E-07	F	LISQVSSITASLR	F							
							760 858.4669	1714.919	2	1714.914	0.0051	0	91.69	4.10E-08	R	AVFVDFLEPTVIDER	F							
							819 912.2095	1823.825	3	1823.978	0.0083	0	44.55	0.0015	K	VGINVQVYVPGGDLAK	F							
							236 506.8126	1011.611	2	1011.608	0.0029	0	34.52	0.017	R	NPSVLLTLR	G							
							366 557.3441	1112.674	2	1112.671	0.003	0	49.28	0.00043	K	VPLALFALNR	Q							
							768 874.9654	1747.916	2	1747.91	0.0058	0	45.01	0.0021	M	#ASTVRFPSFLGNLTK	Q							
							11	Q8CHT0	583	18	13	61772	8.58	125 436.255	870.4952	2	870.4923	0.0032	0	56.1	0.0003	R	AIDALALAR	K
153 444.2527	886.4908	2	886.4872	0.0036	0	40.88								0.018	K	AIVQEATR	M							
178 459.2307	916.4469	2	916.4436	0.0033	0	75.94								3.80E-06	K	AADMLSGPR	R							
194 467.2293	932.4421	2	932.4396	0.0036	0	58.57								0.00022	K	AADM@LSGPR	R							
199 472.253	942.619	4	942.683	0.0083	0	51.24								0.00091	R	QVADLR	F							
216 479.2405	956.4665	2	956.4637	0.0028	0	35.75								0.031	K	DPOEPIK	E							
256 493.7341	985.4536	2	985.4505	0.0031	0	43.63								0.0037	R	SAFEYGGOK	C							
608 613.7952	1225.576	2	1225.573	0.0032	0	52.75								0.00049	R	NAAGNFYNDK	S							
608 613.7953	1225.576	2	1225.573	0.0034	0	53.77								0.00039	R	NAAGNFYNDK	C							
783 724.3707	1446.727	2	1446.722	0.0053	0	55.5								0.00034	K	STGVSVGOOPFGGAR	A							
871 561.627	1681.859	3	1681.854	0.0056	0	71.28	6.30E-06	R	ASGTNDKPGGPHYL	W														
1016 992.5054	1982.996	2	1982.988	0.0086	0	58.72	9.40E-05	K	EEIFGVLTVVYYPDDK	A														
1018 662.6538	1984.94	3	1984.942	-0.0023	0	57.15	0.00013	K	VGDPAEFDGTFSSAVIDAK	Y														
1020 993.4778	1984.947	3	1984.942	-0.0008	0	72.75	4.90E-06	K	VGDPAEFDGTFSSAVIDAK	A														
1021 993.4797	1984.945	2	1984.942	0.0029	0	57.92	0.00013	K	VGDPAEFDGTFSSAVIDAK	A														
1022 662.6563	1984.947	3	1984.942	0.0051	0	44.71	0.0026	K	VGDPAEFDGTFSSAVIDAK	A														
1247 857.437	2569.289	3	2569.281	0.0078	0	65.98	9.20E-06	K	FAVLEEGEQIPVSPSTNHVTVR	A														
1248 857.4374	2569.291	3	2569.281	0.0082	0	68.96	5.10E-06	K	FAVLEEGEQIPVSPSTNHVTVR	A														
111 434.7463	867.4781	2	867.4740	0.0032	0	34.93	0.032	R	MQHILAR	A														
204 473.7567	945.4988	2	945.4953	0.0035	0	37.7	0.033	R	VNLMAMDVGK	A														
206 481.7539	961.4933	2	961.4903	0.003	0	57.12	0.00044	R	VNLMAMDVGK	A														
302 510.2626	1018.511	2	1018.508	0.0022	0	40.68	0.016	K	GDYFLEAVR	M														
460 559.8079	1117.601	1	1117.598	0.0033	0	39.31	0.019	K	GGSDVLEAK	G														
492 517.3107	1140.607	2	1140.603	0.0042	0	46.49	0.0025	R	GDLEIPEAEK	V														
543 586.3213	1170.628	2	1170.624	0.0037	0	55.52	0.00033	R	LDIDSAPITAR	N														
577 599.2964	1196.578	2	1196.575	0.0035	0	57.93	0.0002	K	ITLDNAVMEK	C														
595 607.2941	1212.574	2	1212.57	0.004	0	49.69	0.0011	K	ITLDNAVMEK	N														
734 650.3596	1358.703	2	1358.698	0.005	0	59.95	0.00013	R	DTGIVTFPASR	C														
794 734.8454	1467.676	2	1467.67	0.0058	0	53.58	0.00038	K	C'DENILWLDYK	N														
835 793.897	1585.779	2	1585.774	0.0058	0	72.54	4.90E-06	K	DAVLNVAWEDVLR	V														
855 818.9514	1635.888	2	1635.883	0.005	0	50.74	0.0004	K	GVNLPGAADVLPVASEK	D														
858 841.4114	1680.808	2	1680.803	0.0055	0	84.36	3.10E-07	R	GVLEADSDGM@VAR	A														
917 589.002	1763.984	3	1763.978	0.0059	1	37.96	0.0038	K	KGVNLPAAVDLPAVSEK	D														
929 890.4447	1778.875	2	1778.869	0.0062	0	70.93	6.70E-06	K	GADFLVTEVENGSLGSK	K														
983 625.969	1874.885	3	1874.887	-0.0022	0	46.82	0.0016	K	FGVEQVDM@VFASIR	K														
984 938.4512	1874.888	2	1874.887	0.0006	0	46.99	0.0015	K	FGVEQVDM@VFASIR	K														
990 938.9638	1874.888	3	1874.887	0.0006	0	46.99	0.0015	K	FGVEQVDM@VFASIR	K														
665 640.3411	1278.668	2	1278.664	0.0035	0	42.05	0.007	R	YLLMLDQDR	N														
679 647.313	1292.611	2	1292.607	0.0044	0	41.72	0.0067	K	M@ATVYPEPONK	E														
680 648.3391	1294.664	2	1294.659	0.0046	0	34.95	0.03	R	YLLMLDQDR	N														
776 715.8692	1429.722	1	1429.716	0.0055	0	34.72	0.038	K	LFYSVLM@SVEK	F														
781 723.8648	1445.715	2	1445.711	0.0039	0	34.67	0.038	K	LFYSVLM@SVEK	F														
924 885.9689	1769.923	2	1769.917	0.0064	0	37.28	0.013	R	ILGLDGLG@NGM@GIPVVK	L														
935 893.9666	1785.919	2	1785.912	0.0069	0	48.46	0.0011	R	ILGLDGLG@NGM@GIPVVK	L														
976 923.9736	1845.933	2	1845.926	0.0063	0	98.51	1.10E-08	R	AIFASGSPFPDPLTDDR	T														
977 923.9736	1845.933	2	1845.926	0.0066	0	74.67	2.80E-06	R	AIFASGSPFPDPLTDDR	T														
986 939.4223	1876.824	3	1876.824	0.0064	0	81.02	3.00E-06	R	YGM@NC@LIQFEDFANR	N														
989 631.9487	1892.824	3	1892.819	0.0058	0	31.55	0.021	K	YGM@NC@LIQFEDFANR	N														
989 631.9487	1892.824	3	1892.819	0.0058	0	31.55	0.021	K	YGM@NC@LIQFEDFANR	N														
989 631.9487	1892.824	3	1892.819	0.0058	0	31.55	0.021	K	YGM@NC@LIQFEDFANR	N														
1025 669.6299	2005.868	3	2005.862	0.0063	0	28.05	0.042	R	GREYDFLDFEMEAASSK	Y														
1026 1003.942	2005.87	3	2005.862	0.0063	0	69.25	3.10E-06	R	GREYDFLDFEMEAASSK	Y														
1028 1011.939	2021.863	2	2021.856	0.0061	0	81.83	1.60E-07	R	GREYDFLDFEMEAASSK	Y														
1081 737.7767	2210.308	3	2210.304	0.0046	0	47.33	6.70E-05	K	IKPTALGVAIGGAFTQLK	D														
1236 842.7598	2525.257	3	2525.258	-0.0019	0	45.37	0.0012	K	YC'TFNDIQGTSVAVAGLLAALR	I														
1239 857.1505	2568.423	3	2568.421	0.0085	0	59.27	3.30E-05	R	QQLNIHGLLPPC@ISQELVLR	I														
1240 857.1505	2568.423	3	2568.421	0.0085	0	59.27	3.30E-05	R	QQLNIHGLLPPC@ISQELVLR	I														
1244 1289.648	2577.281	2	2577.276	0.0053	0	48.95	0.00055	K	FM@PIVYPTVGLAC@QOYSLAFR	K														
1245 860.1021	2577.285	3	2577.276	0.0085	0	54.54	0.00014	K	FM@PIVYPTVGLAC@QOYSLAFR	K														
1253 898.47	2692.388	3	2692.38	0.0085	0	54	0.00014	R	TLFPGGNNNSVFPVVALGVVAC@GLR	H														
1254 898.4703	2692.389	3	2692.38	0.0086	0	54.3	0.00017	R	TLFPGGNNNSVFPVVALGVVAC@GLR	H														
1268 977.835	2930.483	3	2930.488	-0.0051	0	48.63	0.00039	K	LSDDTVLFGGAGEAALGIALHVV@AM@EK	E														
1269 977.8358	2930.485	3	2930.488	-0.0027	0	52.43	0.00016	K	LSDDTVLFGGAGEAALGIALHVV@AM@EK	E														
1299 467.773	933.5215	2	933.5284	0.0032	0	46.39	0.0026	K	ITAFVVER	S														
392 562.2944	1014.574	2	1014.571	0.0033	0	37.49	0.033	K	ELTGVQNALK	E														
468 535.3107	1088.807	2	1088.804	0.0028	0	66.36	1.40E-05	K	VAVNMLNGR	F														
505 559.2915	1116.569	2	1116.566	0.0022	0	45.67	0.0046	K	VEDDTLQGLK	F														
559 561.2968	1120.579	2	1120.576	0.0027	0	58.57	0.00022	K	DFQIEAASIK	I														
589 574.3107	1146.607	2	1146.603	0.0035	0	71.74	9.80E-06	R	IFEGANDILR	L														
621 586.3392	1170.664	2	1170.661	0.0031	0	32.84	0.048	K	TRWVDAITGAVK	R														
644 598.2869	1194.559	2	1194.556	0.0036	0	49.22	0.0012	R	FFEEVNDPAK	N														
663 607.8007	1213.587	2	1213.584	0.0033	0	70.28	9.00E-06	R	FGM@AATLACTMK	S														
675 615.7986	1229.583	2	1229.578	0.0042	0	73.36	3.90E-06	R	FGM@AATLACTMK@K	S														
725 641.3223	1280.632	2	1280.626	0.0043	0	48.59	0.0016	R	LPVALGCG@MDK	G														
741 619.3195	1296.624	2	1296.621	0.0037	0	65.06	3.50E-05	R	LPVALGCG@MDK	G														
755 658.8718	1315.729	2	1315.725	0.0042	0	53.83	0.00034	K	GVNEQFLLR	L														
794 708.8378	1415.661	2	1415.657	0.0041	0	65.39	2.40E-05	K	ASNTSEVYFDGVK	V														
811 723.8492	1445.684	2	1445.679	0.0052	0	38.31	0.013	R	SLSEGYPTAQHEK	M														
832 752.3671	1502.76	2	1502.755	0.0046	0	66.07	2.80E-05	K	GVNEQFLLR	L														
836 760.3851	1518.756	2	1518.75	0.0055	0	66.37	2.70E-05	K	NPFNGVLLM@GEAK	Q														
842 773.8939	1545.773	2	1545.768	0.0057	0	74.76	3.70E-06	K	VPSENVLGEVGDGFK	V														
964 911.4955	1820.977	2	1820.971	0.0059	0	42	0.0026	R	LADGADILYAM@VVVLSR	A														
1004 989.5236	1975.033	2	1975.026	0.0063	0	81.9	3.90E-07	R	SGELAVQALDFATVVEAK	A														
1005 989.5237	1975.035	1	1975.028	0.0068	0	89.77	7.30E-06	R	SGELAVQALDFATVVEAK	A														
1053 707.0243	2118.051	3	2118.044	0.007	0	62.77	4.30E-05	R	EATQAVLKDPTLSSDASTR	E														
1243 859.7833	2576.328	3	2576.324																					

13	P50544	Very long-chain specific acyl-CoA dehy	1869	55	40	70831	8.91	770 812.962	1623.89	1623.883	0.0063	0	37.0	0.0089 R	TGAVDVPVGEELLGR	V
								772 668.3477	1334.681	1334.677	0.0044	0	54.92	0.00038 K	AAPAAAAAMAPPGR	V
								827 745.4119	1488.809	1488.804	0.0056	0	70.61	5.30E-06 K	GLETIASDVSLASK	A
								915 859.822	1737.95	1737.945	0.0052	0	31.81	0.027 K	VPFLSPLFTMGAGTAR	W
								923 877.9799	1753.945	1753.94	0.0055	0	61.87	3.30E-05 K	VPFLSPLFTMGAGTAR	W
								971 915.5161	1837.018	1837.01	0.0078	0	42.42	0.0013 R	VAPAPAVFTDIPISNIR	R
								110 432.7649	841.152	841.15	0.0036	0	35.6	0.017 K	ELVGPVAR	F
								148 443.7297	885.4449	885.4419	0.0031	0	35.4	0.029 K	SFAVMGFK	G
								192 467.7731	933.5317	933.5284	0.0033	0	46.2	0.0028 K	ITAFVVER	S
								264 508.2942	1014.574	1014.571	0.003	0	42.69	0.0099 K	ELTGLGNALK	N
363 535.3105	1088.606	1088.604	0.0025	0	85.95	1.60E-07 K	VAVNLNNGR	F								
364 535.3105	1088.607	1088.604	0.0026	0	48.43	0.00092 K	VAVNLNNGR	F								
427 556.2674	1110.52	1110.517	0.0034	0	48.25	0.0015 K	IFC'SEAWK	F								
448 559.2914	1116.568	1116.566	0.0021	0	57.83	0.00028 K	VEDDTLQGLK	E								
447 561.2971	1120.58	1120.576	0.0033	0	74.23	6.10E-06 K	DFQIEANIK	I								
455 574.3106	1146.607	1146.603	0.0034	0	81.05	1.20E-06 R	IFEGEILR	L								
527 586.3397	1170.665	1170.661	0.0041	1	33.67	0.037 K	TRPKDAATGAVK	E								
544 592.8252	1183.636	1183.635	0.0009	0	33.71	0.04 K	IHNFGVQEK	L								
564 598.2869	1194.559	1194.556	0.0035	0	52	0.00068 K	FEEVNDPAK	N								
565 598.2872	1194.56	1194.556	0.0041	0	37.55	0.018 R	FEEVNDPAK	N								
593 607.8008	1213.587	1213.584	0.0036	0	64.79	3.10E-05 R	FQMB@AATLGTMK	R								
594 607.8011	1213.588	1213.584	0.0042	0	78.23	1.40E-06 R	FQMB@AATLGTMK	S								
608 614.8216	1227.629	1227.625	0.0038	0	49.89	0.001 R	SFGGVTGLPEK	K								
613 615.7882	1229.582	1229.578	0.0033	0	48.36	0.0013 R	FQMB@AATLGTMK@K	S								
614 615.7882	1229.582	1229.578	0.0035	0	41.82	0.0057 R	FQMB@AATLGTMK@K	S								
688 641.3225	1280.631	1280.626	0.0047	0	64.38	4.60E-05 R	LFVALQGC'MDK	G								
716 649.3193	1296.624	1296.621	0.0035	0	48.5	0.0016 R	LFVALQGC'M@DK	G								
736 658.8715	1315.729	1315.725	0.0037	0	51.2	0.00063 K	GVINEQFLLR	L								
794 708.838	1415.661	1415.657	0.0045	0	68.79	1.00E-05 K	ASNTSEVYFDGK	V								
795 708.8381	1415.662	1415.657	0.0048	0	87.51	1.40E-07 R	ASNTSEVYFDGK	V								
821 482.2819	1443.824	1443.82	0.0042	1	28.55	0.05 K	KGVINEQFLLR	V								
822 723.849	1445.683	1445.679	0.0048	0	44.67	0.0029 R	SLSEGYPTAQEK	M								
848 752.387	1502.76	1502.755	0.0044	0	71.69	7.60E-06 K	NPFQNVLLMGEAGK	Q								
854 507.2584	1515.753	1515.75	0.0032	0	56.54	0.00025 K	NPFQNVLLMGEAGK	Q								
855 760.3646	1518.755	1518.75	0.0046	0	88.14	1.50E-07 K	NPFQNVLLMGEAGK	Q								
900 516.2643	1545.771	1545.768	0.0037	0	37.25	0.02 K	VPSENVLGEVDGFK	V								
971 773.8933	1545.772	1545.768	0.0046	0	94.41	3.80E-08 K	VPSENVLGEVDGFK	V								
872 773.8934	1545.772	1545.768	0.0047	0	82.54	6.10E-07 K	VPSENVLGEVDGFK	V								
822 514.8495	1627.684	1627.679	0.0051	0	57.65	4.60E-05 R	MEI'C@S@IC'EA@TR	I								
1003 893.9059	1785.797	1785.792	0.005	0	52.97	0.00025 K	VADEC'QI@M@G@M@G@M@K	E								
1023 602.6671	1804.98	1804.976	0.0038	0	38.68	0.0051 R	LADG@IDL@Y@M@V@V@L@R	A								
1024 903.4985	1804.982	1804.976	0.0067	0	94.09	1.20E-08 R	LADG@IDL@Y@M@V@V@L@R	A								
1040 909.9008	1817.787	1817.782	0.0049	0	74.51	1.20E-06 R	VADEC'QI@M@G@M@G@M@K	E								
1041 606.8063	1817.787	1817.782	0.005	0	29.65	0.035 K	VADEC'QI@M@G@M@G@M@K	E								
1042 909.9012	1817.788	1817.782	0.0059	0	63.55	1.60E-05 K	VADEC'QI@M@G@M@G@M@K	E								
1044 607.999	1820.975	1820.971	0.0044	0	53.43	0.00018 R	LADG@IDL@Y@M@V@V@L@R	A								
1045 911.4958	1820.977	1820.971	0.0064	0	73.15	2.20E-06 R	LADG@IDL@Y@M@V@V@L@R	A								
1053 871.8996	1833.783	1833.777	0.0057	0	40.84	0.0023 K	VADEC'QI@M@G@M@G@M@K	E								
1062 925.5065	1850.999	1850.993	0.0054	0	78.13	1.0E-06 R	IWISNGLADIVTFAK	E								
1073 627.348	1879.022	1879.016	0.0057	0	62.73	1.80E-05 R	TGIGSGLSLSGIVHPELSR	S								
1074 940.5186	1879.023	1879.016	0.0063	0	61.32	2.40E-05 R	TGIGSGLSLSGIVHPELSR	S								
1107 659.351	1975.031	1975.026	0.0048	0	87.73	9.70E-08 R	SEGLAV@ALD@F@T@V@E@K	N								
1108 895.8234	1975.032	1975.026	0.006	0	81.64	6.80E-05 PDK	SEGLAV@ALD@F@T@V@E@K	N								
1125 667.989	2000.945	2000.937	0.0078	0	52.83	0.00034 R	ENMNASLQSSPHQELFR	N								
1172 707.0239	2118.05	2118.044	0.0057	0	52.54	0.00044 R	EATQ@VL@K@P@T@L@S@D@A@T@R	E								
1246 568.5399	2270.13	2270.123	0.0078	0	31.57	0.042 R	IREN@M@L@Q@S@P@H@Q@L@F@R	N								
1250 653.1348	2295.122	2295.118	0.0048	0	46.82	0.0014 R	IREN@M@L@Q@S@P@H@Q@L@F@R	N								
1371 1247.619	2493.224	2493.217	0.0065	0	77.66	6.90E-07 R	VASGO@L@A@F@L@T@E@P@S@S@D@V@A@I@R	S								
1388 859.7842	2576.331	2576.324	0.0073	0	67.91	5.20E-06 K	ELG@F@G@L@V@P@S@E@L@G@L@S@T@Q@Y@R	L								
1397 1289.172	2576.33	2576.324	0.0067	0	67.91	5.20E-06 K	ELG@F@G@L@V@P@S@E@L@G@L@S@T@Q@Y@R	L								
179 421.7474	841.4803	841.477	0.0033	0	52.63	0.00053 R	IAA@N@G@R	F								
237 517.7021	1033.49	1033.486	0.0034	0	48.89	0.0024 R	SMFT@L@D@R	L								
371 538.2781	1074.542	1074.538	0.0038	0	42.15	0.011 K	DLE@L@M@D@R	S								
393 545.7976	1089.581	1089.578	0.0028	0	93.81	6.70E-08 R	LSGT@S@G@A@T@R	L								
461 565.2729	1128.531	1128.527	0.0039	0	36.43	0.021 K	FF@N@L@D@A@S@K	L								
460 573.2703	1144.542	1144.522	0.0037	0	36.19	0.016 K	FF@N@L@D@A@S@K	L								
684 639.8422	1277.67	1277.666	0.0043	0	45.09	0.0033 K	I@L@Y@T@P@T@G@W@K	F								
781 462.5812	1384.722	1384.717	0.0045	0	38.26	0.016 R	ID@M@H@V@V@P@Y@V@K	K								
782 693.3683	1384.722	1384.717	0.0048	0	49.5	0.0012 R	ID@M@H@V@V@P@Y@V@K	K								
827 726.3607	1450.707	1450.701	0.0054	0	84.15	4.20E-07 K	TIE@Y@I@P@D@L@K	V								
840 742.4042	1482.794	1482.791	0.0035	0	48.41	0.00093 R	F@M@T@A@M@P@K	V								
853 758.8282	1515.642	1515.637	0.0053	0	90.64	2.90E-08 R	Y@D@E@E@A@E@A@N@K	I								
912 540.2793	1617.816	1617.811	0.005	0	33.97	0.039 K	T@Q@Y@P@D@K@P@T@S@D@A@T@R	K								
923 815.9099	1629.805	1629.8	0.0054	0	93.14	4.50E-08 K	F@N@S@I@N@G@P@A@I@T@D@K	I								
934 551.5583	1651.653	1651.65	0.0031	0	34.09	0.0042 K	S@E@H@D@F@A@F@D@G@D@D@R	N								
980 872.3928	1742.771	1742.764	0.0076	0	57.64	6.80E-05 PDK	A@N@S@E@P@V@D@S@K	E								
1067 622.2902	1863.849	1863.842	0.0067	0	35.6	0.015 K	L@S@L@G@E@S@F@G@S@D@H@I@R	N								
1101 962.5888	1963.123	1963.118	0.0056	0	40.3	0.00077 K	I@N@D@P@V@M@L@P@L@S@I@A@L@K	V								
1109 990.5655	1979.116	1979.113	0.0039	0	59.77	1.50E-05 K	I@N@D@P@V@M@L@P@L@S@I@A@L@K	V								
1110 990.5655	1979.116	1979.113	0.0053	0	55.7	3.60E-05 K	I@N@D@P@V@M@L@P@L@S@I@A@L@K	V								
1133 671.0522	2010.135	2010.13	0.0051	0	44.03	0.00059 R	L@V@I@G@N@G@I@S@T@P@A@V@S@C@I@R	K								
1134 1006.075	2010.136	2010.13	0.0061	0	73.37	7.40E-07 R	L@V@I@G@N@G@I@S@T@P@A@V@S@C@I@R	K								
1185 736.0608	2205.161	2205.154	0.0063	0	61.48	2.60E-05 K	A@I@G@I@T@A@S@H@N@P@G@N@D@F@G@I@K	F								
1302 778.6997	2331.187	2331.182	0.0052	0	29.5	0.048 K	FF@F@T@E@I@D@S@V@E@A@T@M@L@R	D								
69 418.2394	834.4634	834.459	0.0034	0	45.89	0.0041 D	A@Y@N@K	A								
97 427.2079	852.4013	852.3978	0.0035	0	34.46	0.046 R	V@S@D@Y@R	N								
225 489.7799	977.5434	977.5406	0.0027	0	38.95	0.012 R	T@L@L@N@H@P@R	A								
294 517.3013	1032.588	1032.586	0.0026	0	57.39	0.00019 K	LIE@V@L@D@F@K	S								
458 564.7942	1127.574	1127.572	0.0021	0	38.16	0.019 R	S@P@M@L@P@M@P@K	P								
467 569.313	1136.611	1136.608	0.0037	0	77.09	2.10E-06 R	S@S@I@S@L@F@V@K	R								
531 588.8054	1175.596	1175.594	0.0028	0	44.89	0.0054 K	I@W@N@S@L@O@S@N@K	E								
603 611.8322	1221.65	1221.647	0.0033	0	53.14	0.00053 K	E@P@V@G@I@S@N@H@R	N								
676 638.7872	1275.58	1275.577	0.0034	0	34.43	0.028 K	G@M@G@D@S@T@V@E@Q@D@K	N								
730 658.8422	1317.872	1317.868	0.0041	0	53.78	0.00042 K	Q@D@V@L@O@G@L@R	F								
897 532.9851	1595.934	1595.929	0.0048	0	26.14	0.027 R	Q@P@V@I@S@S@P@G@V@L@P@K	Q								
898 798.9746	1595.935	1595.929	0.006	0	40.24	0.0012 R	Q@P@V@I@S@S@P@G@V@L@P@K	Q								
917 811.3978	1620.781	1620.774	0.0067	0	112.45	5.10E-10 K	Q@L@D@E@F@O@T@S@G@V@G@E@R	L								
951 853.9362	1698.787	1698.783	0.0039	0	59.41	7.60E-05 R	I@Y@Q@A@T@Y@E@S@A@L@R	M								
962 845.4011	1688.788	1688.783	0.0048	0	87.05	1.30E-07 R	I@Y@Q@A@T@Y@E@S@A@L@R	M								
994 591.9999	1772.975	1772.971	0.004	0	30.95	0.024 R	L@P@V@P@L@Q@S@L@D@Y@L@K	A								
995 591.9993																

						983	689.3214	1376.628	2	1376.624	0.0041	0	93.93	2.90E-08	K	ANAGEESVMNLDK	L
						1007	697.3182	1392.622	2	1392.619	0.0028	0	101.03	5.20E-09	K	ANAGEESVM@NLDK	L
						1086	491.9533	1472.838	3	1472.835	0.0029	0	36.14	0.0088	R	LGANSLDLV@FGR	A
						1087	737.4266	1472.839	2	1472.835	0.0035	0	89.08	4.30E-08	R	LGANSLDLV@FGR	A
						1124	513.9377	1538.791	3	1538.788	0.0037	0	33.82	0.036	R	GVALC@HEDGSHR	I
						1125	770.4033	1538.792	2	1538.788	0.0046	0	97.52	1.50E-08	R	GVALC@HEDGSHR	I
						1177	814.4113	1626.808	2	1626.804	0.0044	0	50.88	0.00067	K	TLNEADC@ATVPPAIR	S
						1183	817.887	1633.759	2	1633.755	0.0042	0	45.04	0.0021	R	AC@ALSIHES@RPGDK	K
						1240	819.4238	1756.851	2	1756.845	0.0059	0	89.07	1.00E-07	R	AAFG@EAGF@ACTL@M	E
						1265	924.9957	1847.977	2	1847.97	0.0065	0	98.5	7.10E-09	R	LPQISSETAM@FAGVDVTK	E
						1296	924.9957	1847.977	2	1847.97	0.0065	0	92.54	2.80E-08	R	LPQISSETAM@FAGVDVTK	E
						1297	616.9997	1847.977	3	1847.97	0.007	0	34.94	0.016	R	LPQISSETAM@FAGVDVTK	E
						1302	932.9623	1863.97	2	1863.965	0.0049	0	44.22	0.0024	R	LPQISSETAM@FAGVDVTK	E
						1303	932.964	1863.974	2	1863.965	0.0083	0	46.59	0.0014	R	LPQISSETAM@FAGVDVTK	E
						1304	622.3319	1863.974	3	1863.965	0.0087	0	42.75	0.0033	R	LPQISSETAM@FAGVDVTK	E
						1305	622.3321	1863.974	3	1863.965	0.0092	0	35.38	0.019	R	LPQISSETAM@FAGVDVTK	E
						1386	685.0182	2052.033	3	2052.028	0.0051	1	36.11	0.015	K	VRVDEYD@KPGQGGK	K
						1458	125.995	2249.975	2	2249.968	0.0073	0	60.66	2.30E-07	R	TYFSC@SAHTSDGDT@M@VTR	A
						1459	750.9992	2249.976	3	2249.968	0.0076	0	54.62	8.90E-05	R	TYFSC@SAHTSDGDT@M@VTR	A
						1468	756.3306	2265.97	3	2265.963	0.007	0	52.72	0.00011	R	TYFSC@SAHTSDGDT@M@VTR	A
						1520	780.7406	2338.2	3	2339.198	0.0016	0	38.71	0.0062	K	EPFIP@LPTVHYMM@GPIPTNYK	G
						1526	786.0735	2355.193	3	2355.193	0.0053	0	30.12	0.047	K	EPFIP@LPTVHYMM@GPIPTNYK	G
						1621	984.4626	2950.366	2	2950.366	0.0069	0	78.96	6.00E-07	R	HYNGQD@VGL@YAC@GEAAC@SVH@GNR	R
						178	420.7521	839.4896	2	839.4865	0.0031	0	34.28	0.023	K	ELVGP@V@R	F
						370	535.3106	1068.607	2	1068.604	0.0027	0	65.57	1.80E-05	R	VAVN@LNGR	F
						469	559.2919	1116.569	2	1116.566	0.0029	0	40.4	0.017	K	VEDD@T@L@G@L	L
						478	551.2972	1120.58	2	1120.576	0.0034	0	80.38	1.50E-06	K	DF@Q@E@A@I@K	L
						539	574.3102	1146.606	2	1146.603	0.0026	0	64.16	5.90E-05	R	IFEG@ND@L@R	L
						602	586.3393	1170.664	2	1170.661	0.0032	1	58.56	0.00013	K	TPK@D@A@T@G@V@K	E
						634	592.8265	1183.639	2	1183.635	0.0036	0	40.01	0.0096	K	IHF@N@V@I@E@K	L
						667	598.2864	1194.558	2	1194.556	0.0026	0	43.87	0.0046	R	FFEE@N@D@P@K	N
						708	607.8005	1213.586	2	1213.584	0.0029	0	50.28	0.00092	M	FGMA@A@T@L@G@T@M@K	S
						742	614.8213	1227.628	2	1227.625	0.0033	0	45.15	0.0032	R	SFG@V@T@H@L@P@E@K	K
						747	615.7983	1229.582	2	1229.578	0.0037	0	69.2	1.00E-05	R	FGM@A@T@L@G@T@M@K	S
						844	641.3215	1280.629	2	1280.626	0.0028	0	53.53	0.00056	R	LF@V@L@O@G@M@D@K	G
						865	649.3192	1296.624	2	1296.621	0.0031	0	53.85	0.00048	R	LF@V@L@O@G@M@D@K	G
						910	658.8714	1315.728	2	1315.725	0.0034	0	51.8	0.00015	K	GV@N@E@F@L@L@R	V
						1028	708.8377	1415.661	2	1415.657	0.004	0	61.23	6.10E-05	K	ASNTSEV@F@D@V@K	V
						1067	723.8486	1445.683	2	1445.679	0.0039	0	43.03	0.004	R	SLSE@Y@P@T@Q@H@E@K	M
						1115	763.3844	1518.754	2	1518.75	0.0042	0	74.03	4.20E-06	K	NPF@N@V@L@L@M@G@E@A@K	Q
						1129	783.8831	1545.672	2	1545.668	0.0042	0	79.45	1.10E-06	R	VPS@N@V@L@G@V@D@G@F@K	V
						1272	903.4979	1804.981	2	1804.976	0.0055	0	98.81	4.30E-09	R	LAD@G@I@D@L@Y@M@V@V@L@S@R	A
						1281	911.4945	1820.975	2	1820.971	0.0039	0	57.8	8.30E-05	R	LAD@G@I@D@L@Y@M@V@V@L@S@R	A
						1282	607.999	1820.975	3	1820.971	0.0048	0	39.9	0.0042	R	LAD@G@I@D@L@Y@M@V@V@L@S@R	A
						1313	627.3473	1879.02	3	1879.016	0.0037	0	75.56	8.70E-07	R	TG@I@G@S@L@S@G@V@H@P@E@L@S@R	S
						1314	940.1176	1879.021	2	1879.016	0.0043	0	82.96	1.60E-07	R	TG@I@G@S@L@S@G@V@H@P@E@L@S@R	S
						1356	659.35	1975.028	3	1975.026	0.0019	0	76.04	1.40E-06	R	S@G@L@V@A@L@D@Q@F@A@T@V@E@A@K	L
						1357	988.523	1975.032	2	1975.026	0.0052	0	102.99	2.90E-09	R	S@G@L@V@A@L@D@Q@F@A@T@V@E@A@K	L
						1585	859.7844	2576.331	3	2576.324	0.008	0	34.19	0.012	K	EL@G@F@L@Q@V@P@S@E@L@L@G@S@N@T@Q@Y@R	L
						1601	857.9637	2576.331	3	2576.324	0.0052	0	43.67	0.0057	R	EL@G@F@L@Q@V@P@S@E@L@L@G@S@N@T@Q@Y@R	L
						601	598.3205	1170.626	2	1170.625	0.002	0	35.53	0.031	R	V@D@L@G@A@I@D@K	G
						855	644.3523	1286.69	2	1286.687	0.003	0	68.02	2.10E-05	K	H@L@I@Y@D@L@S@K	L
						911	658.8763	1315.738	2	1315.735	0.0033	0	75.15	2.50E-06	K	TS@I@D@I@N@I@O@K	R
						928	664.3595	1326.704	2	1326.701	0.0039	0	58.89	0.00013	K	LY@C@H@V@A@I@G@K	R
						1037	712.3422	1422.627	2	1422.666	0.0037	0	81.77	5.70E-07	K	T@G@T@A@E@S@L@E@E@R	L
						1055	719.9298	1437.845	2	1437.842	0.0035	0	27.1	0.037	K	G@I@R@P@A@I@N@V@L@S@V@S@R	V
						1056	480.289	1437.845	3	1437.842	0.0037	0	25.57	0.047	K	G@I@R@P@A@I@N@V@L@S@V@S@R	V
						1058	720.3401	1438.666	2	1438.661	0.0048	0	47.47	0.0015	K	T@G@T@A@E@S@L@E@E@R	L
						1136	777.3754	1552.736	2	1552.731	0.0052	0	63.64	4.30E-05	R	E@A@Y@F@I@P@S@D@V@A@T@E@K	F
						1147	758.3991	1574.784	2	1574.779	0.0049	0	100.06	9.00E-09	R	I@L@G@A@D@T@S@D@L@E@E@T@R	V
						1148	789.4342	1576.854	2	1576.85	0.0038	1	37.15	0.011	K	L@K@E@I@T@N@F@L@A@G@E@P	-
						1204	834.4026	1666.791	2	1666.787	0.0034	0	38.97	0.012	R	N@V@Q@A@E@M@V@E@S@S@L@K	G
						1208	842.4011	1682.788	2	1682.782	0.0054	0	49.15	0.00089	R	N@V@Q@A@E@M@V@E@S@S@L@K	G
						1516	689.591	2337.167	2	2337.16	0.0068	0	102.88	2.80E-09	K	E@V@A@E@F@G@S@D@A@T@Q@L@L@S@R	G
						119	435.2653	868.5162	2	868.513	0.003	0	68.53	8.80E-06	R	L@V@S@Q@V@R	S
						158	458.2863	914.558	2	914.5549	0.0031	1	41.79	0.0055	R	K@I@L@D@S@A@R	A
						178	468.7298	935.445	2	935.4422	0.0027	0	48.01	0.0025	R	M@I@P@T@P@S@Y@K	V
						221	489.7912	971.785	2	971.7858	0.002	0	36.53	0.019	K	H@S@I@D@K	V
						1006	464.9222	1391.745	3	1391.741	0.0038	1	45.79	0.0021	R	K@I@S@S@D@L@G@H@P@V@K	O
						1134	517.6143	1549.821	3	1549.817	0.0035	1	43.17	0.0036	K	M@F@G@I@D@K@A@I@Q@A@V@K	G
						1135	775.9182	1549.822	2	1549.817	0.0045	1	51.92	0.00042	K	M@F@G@I@D@K@A@I@Q@A@V@K	G
						1192	826.4628	1650.791	2	1650.787	0.0045	0	47.29	0.0018	R	T@V@F@C@S@T@F@A@F@T@R	A
						1323	957.8637	1913.915	2	1913.908	0.0048	0	65.18	2.90E-05	R	S@V@P@M@S@T@V@F@P@S@D@V@A@T@E@K	A
						1338	965.9623	1929.91	2	1929.903	0.0071	0	40.26	0.0068	R	S@V@P@M@S@T@V@F@P@S@D@V@A@T@E@K	A
						1371	670.3401	2007.998	3	2007.994	0.0049	0	43.92	0.0024	K	N@M@E@I@Q@E@I@S@V@Q@V@K	K
						1374	1010.542	2019.068	2	2019.064	0.0057	0	90.59	4.00E-08	K	I@L@T@P@R@E@D@P@A@S@D@I@A@N@I@R	M
						1589	827.7408	2480.201	3	2480.193	0.0076	0	68.95	6.10E-05	R	T@S@R@E@A@I@N@S@N@E@D@F@V@G@Q@A@K	N
						139	444.2648	886.5151	2	886.5124	0.0027	0	44.19	0.0078	K	V@N@S@V@D@K	Q
						537	573.321	1144.627	2	1144.624	0.0034	0	35.83	0.038	K	V@F@A@S@L@P@V@E@R	L
						1116	762.4209	1522.822	2	1522.824	0.003	1	51.33	0.00047	R	V@Y@S@I@A@L@T@K@D@E@K	L
						1117	508.6165	1522.822	3	1522.824	0.0036	1	34.27	0.023	R	V@Y@S@	

									1147	1001.48	2000.946	2	2000.937	0.0084	0	65.82	1.70E-05	R	ENMASLQSSPQHGLFR	N
									1191	707.0235	2118.049	3	2118.044	0.0046	0	70.18	7.60E-06	R	EATQAVLDKPELSSDASTR	N
									1193	1060.032	2118.05	2	2118.044	0.0061	0	54.65	0.00027	R	EATQAVLDKPELSSDASTR	E
									1246	757.7177	2270.131	3	2270.123	0.0086	0	45.87	0.0016	R	IRENMAISLQSSPQHGLFR	E
									1335	1247.62	2493.225	2	2493.217	0.0098	0	76.86	8.40E-07	R	VASGALAFCLTEPSSGVSASIR	N
									1350	859.7833	2576.328	3	2576.324	0.0047	0	34.18	0.012	K	ELGAGFLQVPELGGGLSNTQYAR	N
									1351	1289.173	2576.332	2	2576.324	0.0087	0	86.32	7.40E-08	K	ELGAGFLQVPELGGGLSNTQYAR	L
									1355	866.1282	2595.363	3	2594.353	1.01	0	40.89	0.0019	R	LAENVGM@HDLGVSVTLGAHQSIFGK	L
									1358	1369.21	2736.406	2	2736.401	0.0063	0	41.79	0.0021	K	GOLTDVFPYPSVLSSEAGQFLK	E
									1369	913.1439	2736.41	3	2736.401	0.0087	0	48.16	0.0005	K	GOLTDVFPYPSVLSSEAGQFLK	E
									1370	913.1439	2736.41	3	2736.401	0.0089	0	41.05	0.0026	K	GOLTDVFPYPSVLSSEAGQFLK	E
									1375	930.7573	2789.25	3	2789.242	0.0081	0	44.82	0.00091	R	M@AIIQVYTESM@AYM@LSANMDQGF	D
									1378	936.8892	2805.246	3	2805.237	0.0089	0	58.87	2.70E-05	R	M@AIIQVYTESM@AYM@LSANMDQGF	D
									1379	936.8892	2805.247	3	2805.237	0.0089	0	70.17	2.00E-05	R	M@AIIQVYTESM@AYM@LSANMDQGF	D
									1779	668.3479	1334.681	2	1334.677	0.0028	0	33.19	0.029	K	ILVPEGR	D
									1780	668.3479	1334.681	2	1334.677	0.0048	0	50.26	0.0012	K	AAPAAAAA@APPGR	D
									680	745.4114	1488.808	2	1488.804	0.0047	0	68.05	9.90E-06	K	GLETIASDVSLSAK	A
									940	10.8909	1919.767	1	1919.761	0.0058	0	39.71	0.0096	K	VPEASVSM@DVTIR	A
									991	869.982	1737.949	2	1737.945	0.0047	0	59.44	4.60E-05	K	VPLPSSLPTM@QAGTIAR	W
									1001	585.6558	1753.946	3	1753.94	0.006	0	37.52	0.0091	K	VPLPSSLPTM@QAGTIAR	W
									1002	877.981	1753.947	2	1753.94	0.0077	0	37.95	0.0077	K	VPLPSSLPTM@QAGTIAR	W
									1066	613.346	1837.016	3	1837.01	0.0074	0	28.52	0.036	R	VAPAPAGVTDIPISNR	R
									1067	613.346	1837.017	3	1837.01	0.0074	0	76.57	5.50E-07	R	VAPAPAGVTDIPISNR	R
									1321	813.4131	2437.215	2	2437.21	0.0076	0	39.7	0.0052	K	LOPHEFGGTTSLNGLM@FGIK	N
									38	400.7491	799.4836	2	799.4804	0.0033	0	44.67	0.0054	R	VGLVADK	G
									437	556.3159	1110.617	2	1110.615	0.0026	0	54.42	0.00027	K	TVLTGASGHLR	S
									442	556.3256	1114.637	2	1114.635	0.0019	0	79.83	9.90E-07	K	VLVSGSNK	S
									844	715.4098	1428.805	2	1428.798	0.0074	0	54.33	0.00018	R	IFTVDNLLPVGK	A
									889	504.613	1510.817	3	1510.814	0.0027	0	39.09	0.0076	R	LVAYTYLIGASQR	E
									890	756.4167	1510.819	2	1510.814	0.0045	0	33.75	0.022	R	LVAYTYLIGASQR	E
									1121	975.4821	1948.97	2	1948.961	0.0092	0	60.9	5.70E-05	K	AVM@VSPGSLVFIQTDK	E
									484	849.1127	1317.672	2	1317.668	0.0031	0	43.2	0.006	R	SAGSIFK	F
									762	659.8432	1317.672	2	1317.668	0.0041	0	74.87	4.50E-06	K	QDFVLOGDLR	A
									941	811.397	1620.78	2	1620.774	0.0051	0	86.34	1.90E-07	K	QLVDFEOTSGGVGER	L
									103	432.7649	863.5152	2	863.5116	0.0035	0	39.37	0.0065	K	GILLYGK	A
									182	467.7732	933.5319	2	933.5284	0.0035	0	45.12	0.0035	K	ITAFVVER	A
									263	508.2943	1014.574	2	1014.571	0.0032	0	42.1	0.011	K	ELTGLNALK	N
									345	535.3105	1088.607	2	1088.604	0.0026	0	45.47	0.0018	K	VAVNILNNGR	F
									346	535.3107	1088.607	2	1088.604	0.0028	0	65.73	1.60E-05	K	VAVNILNNGR	F
									410	539.2922	1116.515	1	1116.566	0.0035	0	48.3	0.0025	K	VEDEGLDK	F
									418	561.2972	1120.58	2	1120.576	0.0035	0	64.98	4.80E-05	K	IFEGEAIK	I
									450	574.3104	1146.606	2	1146.603	0.003	0	75.39	4.30E-06	R	DFEGANDILR	L
									478	586.3395	1170.665	2	1170.661	0.0037	1	47.13	0.0017	K	TPIKDAATGAVK	E
									511	598.2873	1194.56	2	1194.556	0.0043	0	42.26	0.0059	R	FFEEVNDPAK	E
									532	607.8009	1213.587	2	1213.584	0.0044	0	76.07	0.0016	K	FGM@AATLAGTM@K	S
									553	615.7982	1229.582	2	1229.578	0.0035	0	67.83	1.40E-05	R	FGM@AATLAGTM@K	S
									595	641.3221	1280.63	2	1280.626	0.004	0	55.72	0.00033	K	LFVALQGC@MDK	G
									609	646.3195	1296.624	2	1296.621	0.0037	0	50.8	0.00093	R	LFVALQGC@MDK	G
									629	658.672	1315.75	3	1315.725	0.0046	0	53.76	0.00033	K	GWNLGLDR	G
									664	452.9155	1355.725	3	1355.72	0.0049	1	32.22	0.05	R	SFGVTHGLPEFK	M
									691	708.8378	1415.661	2	1415.657	0.0041	0	36.84	0.017	K	ASNTSEVFDGVK	V
									692	708.8383	1415.662	2	1415.657	0.0052	0	65.89	2.10E-05	K	ASNTSEVFDGVK	V
									738	752.387	1502.759	2	1502.755	0.0042	0	66.05	2.80E-05	K	NPFONVGLLMEAEAK	N
									743	930.8646	1518.755	2	1518.75	0.0044	0	76.07	0.0016	K	NPFONVGLLMEAEAK	N
									754	773.8935	1545.772	2	1545.768	0.0049	0	76.84	2.30E-06	K	VPSENVLEGVDDQFK	V
									790	814.8495	1627.685	2	1627.679	0.0053	0	74.52	9.60E-07	K	M@LC@DSCV@EATR	I
									885	596.6402	1786.899	3	1786.895	0.0039	1	35.08	0.028	K	NOALEKVEDDLOGLK	I
									892	811.4955	1820.976	1	1820.971	0.0058	0	41.35	0.0031	R	LADQ@YAM@VYVTR	E
									885	917.8883	1833.782	2	1833.777	0.0051	0	46.8	0.00058	K	VADEC@IQM@GM@GFM@K	E
									892	622.6372	1864.89	3	1864.884	0.0055	1	34.26	0.032	R	FFEEVNDPAKNDALEK	V
									895	940.5178	1879.021	2	1879.016	0.0048	0	89.73	3.30E-08	R	TGIGSGLSLGVHPLESR	S
									896	627.3481	1879.022	3	1879.016	0.0081	0	80.82	2.80E-05	R	TGIGSGLSLGVHPLESR	S
									897	627.3483	1879.023	3	1879.016	0.0068	0	31.49	0.023	K	TGIGSGLSLGVHPLESR	S
									908	659.3512	1975.032	3	1975.026	0.0056	0	91.57	4.10E-08	R	SGELAVQALDQFATVVEAK	L
									909	659.3512	1975.032	3	1975.026	0.006	0	95.61	1.60E-08	R	SGELAVQALDQFATVVEAK	L
									1061	859.7837	2576.329	3	2576.324	0.0058	0	43.18	0.0016	K	ELGAGFLQVPELGGGLSNTQYAR	L
									247	470.7839	999.575	2	999.57	0.0033	0	48.45	0.0019	R	VLVSGSNK	S
									477	586.3214	1170.628	2	1170.623	0.0038	0	58.89	0.00012	K	VLDALGNADGK	R
									602	644.3529	1286.691	2	1286.687	0.0042	0	57.12	0.00022	K	HALIYDLSK	Q
									630	658.8767	1315.739	2	1315.735	0.0042	0	59.1	8.50E-05	K	TSIAIDTINOK	R
									638	664.3596	1326.705	2	1326.701	0.004	0	57.66	0.00017	K	LYC@YVAIGK	V
									695	712.3425	1422.67	1	1422.666	0.0044	0	63.23	3.90E-05	K	TGTA@S@SLEER	I
									708	480.2892	1437.846	3	1437.842	0.0043	0	50.56	0.00018	K	GIRPAINVLSVSR	I
									709	719.9305	1437.846	2	1437.842	0.0048	0	42.21	0.0012	K	GIRPAINVLSVSR	I
									710	720.3401	1438.666	2	1438.661	0.0048	0	67.1	1.70E-05	K	TGTAEM@S@SLEER	V
									764	788.3887	1574.783	1	1574.779	0.004	0	40.82	0.0084	R	ILGAG@V@DLEEGR	I
									788	812.9518	1623.889	2	1623.883	0.0058	0	50.83	0.00037	R	TGAVD@V@V@EELLGR	V
									805	834.4033	1666.792	2	1666.787	0.0049	0	68.97	1.10E-05	R	NVOAEM@V@FSSGLK	G
									808	842.4019	1682.789	2	1682.782	0.007	0	79.78	8.10E-07	R	NVOAEM@V@FSSGLK	G
			</																	

Q08D2G	Dihydropolypyrrolinone-residue succinyltran	119	4	4	48942	9.11	85	426.7889	851.5633	2	851.5593	0.004	0	30.88	0.0048	R	GLVVPVIR	N	
							526	595.3343	1188.654	2	1188.65	0.0039	0	33.84	0.043	K	VEGGTFLTLR	K	
							794	727.8356	1453.657	2	1453.651	0.0059	0	71.25	5.30E-06	R	NVETMNVADIER	T	
							1129	729.7179	2186.132	3	2186.122	0.01	0	42.29	0.0032	K	ASAFALQEGPVVNAIDDKT	E	
19	Q03265	ATP synthase subunit alpha, mitochond	2436	72	33	59716	9.22	90	423.5297	844.5049	2	844.5018	0.003	0	41.02	0.013	R	STVAQLVK	R
								106	430.7563	859.498	2	859.4949	0.0031	0	47.01	0.0034	R	QMSLLLR	R
								129	438.7535	875.4924	2	875.4899	0.0026	0	43.73	0.0073	R	QMSLLLR	R
								154	446.7485	891.4825	2	891.4814	0.011	0	39.77	0.017	K	LELAQYR	E
								155	446.7494	891.4843	2	891.4814	0.0029	0	42.45	0.01	K	LELAQYR	E
								167	452.2537	902.4568	2	902.4531	0.0037	0	40.12	0.02	R	EPMQTGK	A
								255	500.7939	999.5733	2	999.5713	0.002	0	75.46	3.70E-06	R	VLSIGDGIAR	V
								256	500.7941	999.5736	2	999.5713	0.0023	0	55.1	0.00041	R	VLSIGDGIAR	V
								257	500.7942	999.5739	2	999.5713	0.0026	0	39.68	0.014	R	VLSIGDGIAR	V
								258	500.7946	999.5746	2	999.5713	0.0033	0	58.17	0.0002	R	VLSIGDGIAR	V
								262	501.3099	1000.605	2	1000.603	0.0024	1	31.36	0.049	R	RSTVAQLVK	R
								295	5130.189	1025.589	2	1025.587	0.002	0	33.67	0.025	K	AVDSVLPPIGR	G
								297	513.8022	1025.59	2	1025.587	0.003	0	46.22	0.0014	K	AVDSVLPPIGR	G
								457	575.3123	1148.61	2	1148.608	0.0024	1	35.25	0.044	R	GYLDKLEPK	I
								486	586.3209	1170.627	2	1170.625	0.0028	0	80.43	1.10E-06	R	VVDALGNADGK	G
								488	586.3212	1170.628	2	1170.625	0.0035	0	76.46	2.80E-06	R	VVDALGNADGK	G
								489	586.3213	1170.628	2	1170.625	0.0037	0	68.79	1.60E-05	R	VVDALGNADGK	G
								638	644.3525	1286.691	2	1286.687	0.0035	0	36.51	0.029	K	HALIYDLSK	K
								639	644.3526	1286.691	2	1286.687	0.0036	0	62.62	6.80E-05	K	HALIYDLSK	K
								640	644.3527	1286.691	2	1286.687	0.0037	0	44.51	0.0044	K	HALIYDLSK	K
								641	644.3528	1286.691	2	1286.687	0.004	0	63.9	5.10E-05	K	HALIYDLSK	K
								671	658.9768	1315.735	2	1315.735	0.0044	0	82.26	3.70E-07	K	TSIAIDTIINQK	Q
								677	664.3596	1326.705	2	1326.701	0.0041	0	51.66	0.00067	K	LYCIVYAIGQK	R
								678	664.3597	1326.705	2	1326.701	0.0044	0	80.48	8.30E-07	K	LYCIVYAIGQK	R
								695	668.8449	1335.675	2	1335.671	0.0042	0	34.01	0.045	K	EIVTNFLAGFEP	-
								745	712.343	1422.671	2	1422.666	0.0053	0	87.22	1.70E-07	K	TGTAEMSSLEER	I
								746	712.3431	1422.672	2	1422.666	0.0056	0	96.04	2.30E-08	K	TGTAEMSSLEER	I
								762	480.2892	1437.846	3	1437.842	0.0042	0	48.29	0.0003	K	GIRPAINVGLSVSR	V
								763	480.2892	1437.846	3	1437.842	0.0043	0	30.91	0.016	K	GIRPAINVGLSVSR	V
								764	719.9304	1437.846	2	1437.842	0.0047	0	30.62	0.017	K	GIRPAINVGLSVSR	V
								765	719.9305	1437.846	2	1437.842	0.0048	0	35.1	0.0062	K	GIRPAINVGLSVSR	V
								766	719.9306	1437.847	2	1437.842	0.0051	0	58	3.20E-05	K	GIRPAINVGLSVSR	V
								767	720.3397	1438.665	2	1438.661	0.0039	0	96.44	2.00E-08	K	TGTAEMSSLEER	I
								768	720.3403	1438.666	2	1438.661	0.005	0	49.24	0.001	K	TGTAEMSSLEER	I
								775	728.4072	1454.8	2	1454.796	0.0044	1	71.17	4.70E-06	K	KLYCIYVAIGQK	R
								798	691.621	1471.841	3	1471.836	0.0053	0	58.3	9.00E-05	K	TSIAIDTIINQK	R
								789	736.9286	1471.843	2	1471.836	0.0068	0	47.32	0.00071	K	TSIAIDTIINQK	R
								793	495.2758	1482.806	3	1482.802	0.0039	1	38.53	0.0086	K	LYCIVYAIGQK	F
								827	518.5859	1552.736	3	1552.731	0.0048	0	38.3	0.014	R	EAYPGDVFYLSR	L
								829	777.3757	1552.737	2	1552.731	0.0059	0	65.85	2.60E-05	R	EAYPGDVFYLSR	L
								834	788.3984	1574.783	2	1574.779	0.0044	0	98.07	1.60E-08	R	ILGADTSVDELETR	V
								835	788.3988	1574.783	2	1574.779	0.0043	0	66.13	2.30E-05	R	ILGADTSVDELETR	V
								836	788.3992	1574.784	2	1574.779	0.0051	0	131.49	6.30E-12	R	ILGADTSVDELETR	V
								837	788.3997	1574.785	2	1574.779	0.006	0	56.87	0.00019	R	ILGADTSVDELETR	V
								838	788.4001	1574.786	2	1574.779	0.0068	0	55.52	0.00028	R	ILGADTSVDELETR	V
								839	789.4354	1576.856	2	1576.85	0.0062	1	39.43	0.0069	K	LKEIVTNFLAGFEP	-
								840	789.4355	1576.857	2	1576.85	0.0065	1	49.25	0.00072	K	LKEIVTNFLAGFEP	-
								866	542.3032	1623.888	3	1623.883	0.0046	0	56.01	0.0001	R	TGAIIVPVGELLGR	V
								868	812.9518	1623.889	2	1623.883	0.0058	0	75.32	1.30E-06	R	TGAIIVPVGELLGR	V
								869	812.9519	1623.889	2	1623.883	0.0068	0	59.78	5.70E-05	R	TGAIIVPVGELLGR	V
								870	812.9525	1623.89	2	1623.883	0.0072	0	33.87	0.019	R	TGAIIVPVGELLGR	V
								893	556.6044	1666.791	3	1666.787	0.0041	0	52.2	0.00055	R	NVOAEEVVFSSGLK	G
								894	834.4034	1666.792	2	1666.787	0.0051	0	107.63	1.50E-09	R	NVOAEEVVFSSGLK	G
								901	561.9363	1682.787	3	1682.782	0.0049	0	51.21	0.00028	R	NVOAEEVVFSSGLK	G
								902	842.4012	1682.788	2	1682.782	0.0057	0	44.42	0.0026	R	NVOAEEVVFSSGLK	G
								903	842.4013	1682.788	2	1682.782	0.0059	0	98.66	1.00E-08	R	NVOAEEVVFSSGLK	G
								935	570.9858	1709.936	3	1709.931	0.0043	1	39.18	0.0042	R	VVDALGNADGKPIGSK	T
								936	850.5732	1709.936	2	1709.931	0.0046	1	58.72	4.90E-05	R	VVDALGNADGKPIGSK	T
								937	570.9859	1709.936	3	1709.931	0.0047	1	29.34	0.039	R	VVDALGNADGKPIGSK	T
								998	594.3372	1779.99	3	1779.984	0.0053	1	28.94	0.039	K	RTGAIIVPVGELLGR	V
								1122	1052.526	2103.037	2	2103.031	0.0065	0	72.53	3.40E-06	K	GMSLNLEPNVGVVFNQDK	L
								1123	702.0198	2103.038	2	2103.031	0.0068	0	47.37	0.0011	K	GMSLNLEPNVGVVFNQDK	L
								1124	1060.523	2119.026	2	2119.026	0.0062	0	75.05	1.90E-06	K	GM@SLNLEPNVGVVFNQDK	L
								1125	707.3514	2119.033	2	2119.026	0.0069	0	53.1	0.0003	K	GM@SLNLEPNVGVVFNQDK	L
								1126	1060.524	2119.034	2	2119.026	0.008	0	43.69	0.0026	K	GM@SLNLEPNVGVVFNQDK	L
								1249	1163.084	2324.152	2	2324.147	0.0054	0	54.85	0.00018	K	QGOYSPM@AIEEOVAVIYAGVR	G
								1250	775.7252	2324.154	3	2324.147	0.0066	0	52.01	0.00033	K	QGOYSPM@AIEEOVAVIYAGVR	G
								1251	775.7256	2324.155	3	2324.147	0.0079	0	80.94	4.10E-07	K	QGOYSPM@AIEEOVAVIYAGVR	G
								1259	780.0629	2337.167	3	2337.16	0.0067	0	71.32	4.00E-06	R	EVAFAFQFSDSLDAAATQQLSR	G
								1260	1169.591	2337.167	2	2337.16	0.0068	0	87.78	9.10E-08	R	EVAFAFQFSDSLDAAATQQLSR	G
								1273	603.3232	2409.264	4	2409.255	0.0083	0	36.76	0.0068	K	FENAFVSHVISHOGLSLGNIR	S
								1274	804.0853	2409.264	3	2409.255	0.0089	0	55.09	9.40E-05	K	FENAFVSHVISHOGLSLGNIR	S
								45	397.512	792.4161	2	792.413	0.0031	0	39.09	0.0031	K	VFDVLSK	A
								47	418.7311	835.4477	2	835.444	0.0038	0	46.24	0.0045	R	LVEIAQVPK	A
								251	498.809	995.6035	2	995.6015	0.002	0	60.7	2.90E-05	R	LVEIAQVPK	A
								252	498.8094	995.6042	2	995.6015	0.0026	0	74.83	1.10E-06	R	LVEIAQVPK	A
								301	514.7628	1027.511	2	1027.508	0.0019	0	36.25	0.03	K	IYTFNQR	Y
								302	514.7627	1027.511	2	1027.509	0.0022	0	36.22	0.029	K	IYTFNQR	Y
								304	514.7628	1027.511	2	1027.509	0.0024	0	42.63	0.0066	K	IYTFNQR	Y
								355	527.2649	1052.515	2	1052.514	0.0014	0	45.13	0.004	K	GGTLTOYEGK	L
								357	527.2653	1052.516	2	1052.514	0.0021	0	37.87	0.022	K	GGTLTOYEGK	L
								620	597.7858	1193.556	2	1193.553	0.0031	0	59.7	0.001	K	LNGGLTSM@GCK	D
								539	605.7834	1209.552	2	1209.548	0.0041	0	34.47	0.033	K	LNGGLTSM@GCK	D
								565	613.3815	1224.748	2	1224.744	0.0043	0	43.15	0.00076	R	INKESLPIAK	G
								599	628.788	1255.562	2	1255.558	0.0038	0	34.39	0.025	R	C'EFVMEVYTNK	T
								601	628.7892	1255.562	2	1255.558	0.0042	0	48.11	0.0011	R	C'EFVMEVYTNK	T
								601	628.7883	1255.562	2	1255.558	0.0044	0	35.69	0.019	R	C'EFVMEVYTNK	

						694	627.8034	1253.5922	1253.589	0.0035	1	57.12	0.00021	K	TSFSGSKDRED	I
						895	696.2687	1390.523	1390.518	0.0052	0	47.72	0.00011	K	HESGQC'TPC'R	I
						1165	826.3876	1650.761	1650.756	0.0047	0	86.59	1.60E-07	K	YLVVNADEGEPTGCK	D
						1166	826.3879	1650.761	1650.756	0.0053	0	91.35	5.30E-08	K	YLVVNADEGEPTGCK	D
						1167	826.3879	1650.761	1650.756	0.0053	0	72.99	3.70E-06	K	YLVVNADEGEPTGCK	D
						1217	570.9549	1709.843	1709.837	0.0056	0	85.15	2.70E-07	R	GEFYNEASNLQVAVR	E
						1218	855.9287	1709.843	1709.837	0.0056	0	87.17	1.70E-07	R	GEFYNEASNLQVAVR	E
						1219	855.9291	1709.844	1709.837	0.0065	0	91.89	5.40E-08	R	GEFYNEASNLQVAVR	E
						1262	892.3913	1762.768	1762.762	0.0059	0	78.67	4.80E-07	K	NAC'GSDYDFDFVYVR	G
						1263	892.3914	1762.768	1762.762	0.0062	0	82.37	2.10E-07	K	NAC'GSDYDFDFVYVR	G
						1264	588.597	1762.769	1762.762	0.007	0	58.31	5.00E-05	K	NAC'GSDYDFDFVYVR	G
						1289	893.9547	1785.895	1785.89	0.0052	0	49.55	0.00096	K	GDARPAEIDSLWEISK	O
						1345	961.9512	1921.888	1921.884	0.0038	1	41.37	0.0041	K	YLVVNADEGEPTGCK	O
						1346	641.6269	1921.890	1921.884	0.0049	0	38.47	0.0081	K	YLVVNADEGEPTGCK	O
						1398	690.0039	2066.99	2066.983	0.0069	0	56.01	0.00017	R	GAGAYIC'GEETALIESIEGK	E
						1399	1034.502	2066.99	2066.983	0.0071	0	105.78	1.80E-09	R	GAGAYIC'GEETALIESIEGK	O
						1400	1034.503	2066.991	2066.983	0.0078	0	95.75	1.70E-08	R	GAGAYIC'GEETALIESIEGK	O
						1686	872.4038	2613.402	2613.392	0.0091	0	28.98	0.021	K	HAGGVGTGWNLLAVIPGSGSTPLPK	S
						1687	872.4111	2613.402	2613.392	0.01	0	30.57	0.014	K	HAGGVGTGWNLLAVIPGSGSTPLPK	S
						1698	879.7672	2636.28	2636.273	0.0071	1	55.3	0.00012	K	LFNISHVNHPC'TVEEEMSVPLK	E
						1708	885.0992	2652.276	2652.268	0.0083	0	42.46	0.0023	K	LFNISHVNHPC'TVEEEMSVPLK	E
						1709	885.0997	2652.277	2652.268	0.0093	0	38.24	0.0061	K	LFNISHVNHPC'TVEEEMSVPLK	E
						1767	811.4006	3241.573	3241.567	0.0066	0	54.92	8.90E-05	K	SVCTETVLM@DFDALVOAQTGLGTAVIWMR	S
						1768	1081.532	3241.574	3241.567	0.0072	0	76.96	5.90E-07	K	SVCTETVLM@DFDALVOAQTGLGTAVIWMR	S
Q1XH17	Tripartite motif-containing protein 72	364	17	15	52783	146	441.7304	881.4463	881.4429	0.0034	0	36.1	0.033	K	FC'LVTSR	L
						293	505.289	1008.562	1008.56	0.003	0	44.44	0.003	K	ILEAHVEAK	V
						296	507.274	1012.58	1012.578	0.0025	1	41.92	0.005	R	VRGAGVVALR	L
						331	520.3	1038.586	1038.582	0.0034	0	40.97	0.0064	R	LLPAEAQAR	V
						409	542.3312	1082.648	1082.645	0.0031	1	30.71	0.033	R	LKTLQPOK	M
						557	583.7612	1165.508	1165.504	0.0037	0	32.31	0.04	K	MOLQEAQMR	K
						585	591.7587	1181.503	1181.499	0.0037	0	45.22	0.0015	K	MOLQEAQMR	K
						705	631.3136	1262.615	1262.608	0.0049	0	73.13	6.10E-06	K	WALGSIWAADMSR	R
						870	684.8476	1367.681	1367.676	0.0052	0	45.11	0.0032	R	MIFLAALLESDDR	R
						1030	506.2516	1515.733	1515.729	0.0045	0	33.38	0.039	R	TLVC'GVC'ASLGSRR	G
						1031	758.874	1515.734	1515.729	0.0049	0	78.35	1.40E-06	R	TLVC'GVC'ASLGSRR	G
						1058	776.4075	1550.801	1550.794	0.0065	0	65.26	2.40E-05	R	ELSSNSLYLEQLR	Q
						1331	626.3315	1875.973	1875.965	0.0074	0	35.07	0.021	K	VLKQKQTEFLMK	F
						1332	631.6627	1891.966	1891.96	0.006	0	36.78	0.015	K	VLEEVADKPTQFELM8K	F
						1358	976.0306	1950.047	1950.042	0.0045	0	39.42	0.0041	K	TVAVLEHQLVVEEIVTR	Q
						1357	651.0239	1950.05	1950.042	0.0077	0	48.92	0.00045	K	TVAVLEHQLVVEEIVTR	Q
						1736	933.4749	2737.403	2736.992	0.0073	0	48.95	0.00083	R	ALMSEVLTDFPSSAHPFLVSSGSR	Q
Q7TQ48	Sarcalumenin	336	12	10	99123	205	468.7862	935.5578	935.5552	0.0026	0	45.14	0.0013	R	IHALVDR	R
						706	632.3148	1262.615	1262.611	0.0039	0	43.26	0.0057	K	ADNLATQMLMR	V
						729	640.3123	1278.61	1278.606	0.0041	0	37.12	0.02	K	ADNLATQMLMR	V
						758	648.3095	1294.605	1294.601	0.0035	0	38.4	0.014	K	ADNLATQMLMR	V
						824	667.345	1332.676	1332.671	0.0048	0	72.07	8.40E-06	R	TIEGSIWAADMSR	V
						977	730.8937	1459.773	1459.767	0.0058	0	61.12	8.00E-05	R	VTFVDTPIGIIER	K
						1142	813.4164	1624.818	1624.813	0.0053	0	39.1	0.01	K	STMINYLLGLEDR	Y
						1146	814.9165	1627.819	1627.813	0.0051	1	58.19	0.00012	K	DHVEDPDKYIFK	T
						1208	566.3342	1695.981	1695.977	0.0036	0	28.53	0.024	R	AITQELSLSSIGLQK	L
						1209	848.999	1695.984	1695.977	0.0064	0	29.73	0.015	R	AITQELSLSSIGLQK	N
						1339	638.6671	1912.979	1912.974	0.0052	0	34.53	0.024	K	EEISLEDLNQVIENR	L
						1340	957.4973	1912.98	1912.974	0.0058	0	91.37	4.90E-08	K	EEISLEDLNQVIENR	L
						448	546.3025	1106.589	1106.587	0.0031	0	39.67	0.013	R	WSYGAQVILR	V
						579	589.0022	1176.582	1176.582	0.0043	0	47.53	0.0026	R	VTFVDTPIGIIER	F
						754	646.8265	1291.639	1291.634	0.0042	0	55.28	0.00038	R	IC'DGVGVGAGIR	F
						791	659.8265	1317.635	1317.635	0.0037	0	33.69	0.045	K	SSLSHAM@VIDSR	N
						1284	890.4661	1778.918	1778.912	0.0053	1	53.73	0.0003	R	TKDDIIC'EIEGVFK	A
						1313	911.4377	1820.861	1820.855	0.0059	0	53.53	0.00033	R	LELNYC'IPM@GVGGDR	I
						1319	919.4354	1836.856	1836.85	0.0063	0	59.23	8.00E-05	R	LELNYC'IPM@GVGGDR	I
						1421	702.0115	2103.013	2103.006	0.0066	0	70.57	5.80E-06	K	ETSYGLSFFKPPGFNER	N
						21	385.744	769.4735	769.4698	0.0031	0	32.05	0.05	K	VIQVPSK	K
						390	534.8439	1067.673	1067.67	0.0038	0	48.4	0.00024	K	LILPGLSSR	K
						415	544.3047	1086.595	1086.592	0.0029	0	65.91	4.70E-05	K	VIKSEIAK	C
						639	405.5497	1213.627	1213.62	0.0069	0	38.45	0.015	K	SPOYSQVHVR	L
						666	617.3295	1232.644	1232.64	0.0043	0	66.87	2.60E-05	R	IYVVVDGSEPR	A
						819	665.8981	1329.782	1329.777	0.0047	0	57.48	3.40E-05	R	LAGOIFGLSSVR	V
						1338	363.4611	1594.908	1594.9	0.0073	0	76.14	1.80E-06	R	NTQD'YDFLAVTDVDPK	T
						221	482.2881	962.5216	962.5185	0.0031	0	47.11	0.0033	K	YNLGLDR	T
						297	507.2714	1012.528	1012.526	0.002	0	37	0.024	K	ALASLM@TYK	C
						405	540.292	1078.569	1078.566	0.0036	0	62.13	9.10E-05	R	TAAYVNAIEK	V
						645	610.3127	1218.611	1218.607	0.0041	0	39.03	0.02	K	C'AVVDVFFGGAK	V
						101	782.4024	1582.78	1582.784	0.004	0	77.42	1.60E-06	K	IIAEGVNPFTFEADK	I
						1254	583.6367	1747.888	1747.883	0.0053	0	40.93	0.0074	K	TFVVGQGVNGLHSMR	Y
						1267	588.9681	1763.883	1763.878	0.0048	0	52.91	0.00051	K	TFVVGQGVNGLHSMR	R
						1341	958.4669	1914.919	1914.915	0.0047	0	35.45	0.021	K	GFIFGIGDVPAPDMSTGER	E
						547	681.148	1915.819	1915.813	0.0035	0	45.79	0.0042	R	AIEMVGGELSK	Y
						1022	752.8702	1503.726	1503.721	0.0054	0	52.86	0.00049	R	AAAEVNOEYGLDPK	K
						1265										

663	644.3524	1286.69	2	1286.687	0.0033	0	70.3	1.20E-05	K	HALIYDLSK	O
665	644.3525	1286.691	2	1286.687	0.0035	0	35.76	0.034	K	HALIYDLSK	O
666	644.3525	1286.691	2	1286.687	0.0035	0	65.05	3.90E-05	K	HALIYDLSK	O
667	644.3526	1286.691	2	1286.687	0.0036	0	34.42	0.045	K	HALIYDLSK	O
670	644.3527	1286.691	2	1286.687	0.0039	0	45.59	0.034	K	HALIYDLSK	O
672	644.3528	1286.691	2	1286.687	0.0041	0	49.71	0.0013	K	HALIYDLSK	O
673	644.3528	1286.691	2	1286.687	0.0041	0	38.31	0.018	K	HALIYDLSK	O
675	644.353	1286.691	2	1286.687	0.0044	0	49.62	0.0012	K	HALIYDLSK	O
676	644.353	1286.691	2	1286.687	0.0044	0	61.71	7.60E-05	K	HALIYDLSK	O
677	429.9044	1286.691	3	1286.687	0.0044	0	37.99	0.018	K	HALIYDLSK	O
678	644.353	1286.692	2	1286.687	0.0045	0	40.65	0.0097	K	HALIYDLSK	O
718	658.8765	1315.738	2	1315.735	0.0037	0	35.56	0.02	K	TSIAIDTINQK	R
720	658.8766	1315.739	2	1315.735	0.004	0	74.23	2.70E-06	K	TSIAIDTINQK	R
721	658.8768	1315.739	2	1315.735	0.0043	0	84.68	2.10E-07	K	TSIAIDTINQK	R
722	658.8768	1315.739	2	1315.735	0.0043	0	68.35	9.20E-06	K	TSIAIDTINQK	R
723	658.8771	1315.74	2	1315.735	0.0049	0	58.88	8.10E-05	K	TSIAIDTINQK	R
724	658.8771	1315.74	2	1315.735	0.0049	0	94.07	2.50E-08	K	TSIAIDTINQK	R
744	664.3596	1326.705	2	1326.701	0.0022	0	47.09	0.0019	K	LYC'IYVAIQK	R
745	664.3593	1326.704	2	1326.701	0.0035	0	34.33	0.034	K	LYC'IYVAIQK	R
746	664.3595	1326.704	2	1326.701	0.0039	0	47.88	0.0016	K	LYC'IYVAIQK	R
747	664.3595	1326.704	2	1326.701	0.0039	0	65.88	2.50E-05	K	LYC'IYVAIQK	R
748	664.3595	1326.704	2	1326.701	0.0039	0	68.96	1.20E-05	K	LYC'IYVAIQK	R
749	664.3596	1326.705	2	1326.701	0.004	0	50.83	0.00081	K	LYC'IYVAIQK	R
750	664.3596	1326.705	2	1326.701	0.0041	0	39.81	0.01	K	LYC'IYVAIQK	R
751	664.3597	1326.705	2	1326.701	0.0042	0	48.65	0.0013	K	LYC'IYVAIQK	R
752	664.3597	1326.705	2	1326.701	0.0042	0	44.49	0.0033	K	LYC'IYVAIQK	R
753	664.3597	1326.705	2	1326.701	0.0042	0	50.86	0.00076	K	LYC'IYVAIQK	R
755	443.2424	1326.706	3	1326.701	0.0049	0	45.37	0.0027	K	LYC'IYVAIQK	R
768	668.842	1335.669	2	1335.671	-0.0017	0	41.09	0.011	K	EIVTNFLAGFEP	-
769	668.8447	1335.675	2	1335.671	0.0038	0	53.71	0.00049	K	EIVTNFLAGFEP	-
770	668.8447	1335.675	2	1335.671	0.0038	0	96.07	2.90E-08	K	EIVTNFLAGFEP	-
771	668.845	1335.675	2	1335.671	0.0043	0	42.44	0.0064	K	EIVTNFLAGFEP	-
799	679.879	1357.743	2	1357.739	0.0046	1	48.93	0.0011	R	ISVREPMQTGK	A
817	687.8764	1373.738	2	1373.734	0.0046	1	41.85	0.0059	R	ISVREPMQTGK	A
850	712.342	1422.669	2	1422.666	0.0034	0	91.41	6.30E-08	K	TGTAEMSSILEER	I
851	712.3422	1422.67	2	1422.666	0.0039	0	85.62	2.40E-07	K	TGTAEMSSILEER	I
852	712.3427	1422.671	2	1422.666	0.0047	0	86.94	1.70E-07	K	TGTAEMSSILEER	I
853	712.3427	1422.671	2	1422.666	0.0048	0	81.68	5.60E-07	K	TGTAEMSSILEER	I
854	712.3428	1422.671	2	1422.666	0.005	0	74.24	3.00E-06	K	TGTAEMSSILEER	I
855	712.3428	1422.671	2	1422.666	0.0051	0	69.12	9.70E-06	K	TGTAEMSSILEER	I
856	712.343	1422.671	2	1422.666	0.0053	0	89.85	9.50E-06	K	TGTAEMSSILEER	I
872	450.2888	1437.844	3	1437.842	0.0029	0	41.26	0.0013	K	GIRPAINVGLSVSR	V
873	719.9297	1437.845	2	1437.842	0.0034	0	65.83	4.50E-06	K	GIRPAINVGLSVSR	V
875	480.2891	1437.846	3	1437.842	0.0039	0	35.05	0.0053	K	GIRPAINVGLSVSR	V
876	719.9301	1437.846	2	1437.842	0.004	0	41.82	0.0013	K	GIRPAINVGLSVSR	V
878	719.9303	1437.846	2	1437.842	0.004	0	54.61	7.00E-06	K	GIRPAINVGLSVSR	V
880	719.9305	1437.846	2	1437.842	0.0048	0	62.76	1.10E-05	K	GIRPAINVGLSVSR	V
881	480.2895	1437.847	3	1437.842	0.0052	0	33.46	0.0091	K	GIRPAINVGLSVSR	V
882	480.2896	1437.847	3	1437.842	0.0054	0	53.44	9.10E-05	K	GIRPAINVGLSVSR	V
884	719.9308	1437.847	2	1437.842	0.0056	0	59.28	2.60E-05	K	GIRPAINVGLSVSR	V
885	720.3398	1438.665	2	1438.661	0.0041	0	57.95	0.00014	K	TGTAEM@SSILEER	I
886	720.3398	1438.665	2	1438.661	0.0041	0	74.93	2.90E-06	K	TGTAEM@SSILEER	I
887	720.3401	1438.666	2	1438.661	0.0048	0	82.65	4.60E-07	K	TGTAEM@SSILEER	I
888	720.3405	1438.666	2	1438.661	0.0054	0	73.59	4.10E-06	K	TGTAEM@SSILEER	I
889	720.3405	1438.667	2	1438.661	0.0055	0	63.32	0.0025	K	TGTAEM@SSILEER	I
906	728.408	1454.802	2	1454.796	0.006	1	86.16	1.60E-07	K	KLVC'IYVAIQK	R
935	736.9275	1471.84	2	1471.836	0.0046	1	77.27	6.40E-07	K	TSIAIDTINQK	R
945	495.2757	1482.805	3	1482.802	0.0036	1	44.52	0.0019	K	LYC'IYVAIQK	F
948	742.4102	1482.806	2	1482.802	0.0041	1	51.1	0.00047	K	LYC'IYVAIQK	F
949	495.2767	1482.808	3	1482.802	0.0066	1	41.74	0.0043	K	LYC'IYVAIQK	S
1019	777.3748	1552.735	2	1552.731	0.0039	0	45.47	0.0026	R	EAYPGDVFYLHRS	L
1024	777.3755	1552.736	2	1552.731	0.0054	0	69.49	1.10E-05	R	EAYPGDVFYLHRS	L
1025	777.376	1552.737	2	1552.731	0.0065	0	65.66	2.40E-05	R	EAYPGDVFYLHRS	L
1042	788.3987	1574.783	2	1574.779	0.004	0	69.83	9.50E-06	R	ILGADTSVLEETGR	V
1043	788.3989	1574.783	2	1574.779	0.0044	0	112.44	5.20E-10	R	ILGADTSVLEETGR	V
1044	788.3991	1574.784	2	1574.779	0.0049	0	94.76	3.00E-08	R	ILGADTSVLEETGR	V
1045	788.3993	1574.784	2	1574.779	0.0053	0	80.52	8.00E-07	R	ILGADTSVLEETGR	V
1046	788.3994	1574.784	2	1574.779	0.0055	0	118.8	1.20E-10	R	ILGADTSVLEETGR	V
1047	788.3997	1574.785	2	1574.779	0.006	0	130.6	7.80E-12	R	ILGADTSVLEETGR	V
1050	789.4346	1576.855	2	1576.85	0.0046	1	42.15	0.0034	K	LKEIVTNFLAGFEP	-
1053	789.4353	1576.856	2	1576.85	0.006	1	51.04	0.00049	K	LKEIVTNFLAGFEP	-
1098	536.6246	1606.852	3	1606.85	0.002	1	40.29	0.0088	K	QVAGTM@KLEAGYR	E
1099	804.4051	1606.856	2	1606.85	0.0025	1	42.37	0.0037	K	QVAGTM@KLEAGYR	E
1114	812.4321	1622.85	2	1622.845	0.0047	1	39.34	0.008	K	QVAGTM@KLEAGYR	E
1116	812.9514	1623.888	2	1623.883	0.0051	0	53.99	0.00017	R	TGAIQVDPVGEELLGR	V
1117	812.9515	1623.889	2	1623.883	0.0053	0	76.44	1.00E-06	R	TGAIQVDPVGEELLGR	V
1120	542.3039	1623.889	3	1623.883	0.0067	0	31.48	0.032	R	TGAIQVDPVGEELLGR	V
1166	834.4034	1666.792	2	1666.787	0.0046	0	61.94	5.50E-05	K	NVOAEM@VFSSGLK	G
1167	834.4034	1666.792	2	1666.787	0.005	0	36.33	0.02	R	NVOAEM@VFSSGLK	G
1168	834.4034	1666.792	2	1666.787	0.0051	0	99.09	1.10E-08	R	NVOAEM@VFSSGLK	G
1169	834.404	1666.793	2	1666.787	0.0062	0	95.09	2.90E-08	R	NVOAEM@VFSSGLK	G
1176	842.4003	1682.786	2	1682.782	0.0038	0	50.03	0.00076	K	NVOAEM@VFSSGLK	G
1177	842.4006	1682.787	2	1682.782	0.0045	0	91.48	5.10E-08	R	NVOAEM@VFSSGLK	G
1178	842.4007	1682.787	2	1682.782	0.0047	0	50.73	0.00061	R	NVOAEM@VFSSGLK	G
1179	842.4008	1682.787	2	1682.782	0.0048	0	99.89	7.40E-09	R	NVOAEM@VFSSGLK	G
1180	561.9363	1682.787	3	1682.782	0.0049	0	51.91	0.00046	R	NVOAEM@VFSSGLK	G
1181	842.4012	1682.788	2	1682.782	0.0057	0	110.8	5.70E-05	R	NVOAEM@VFSSGLK	G
1182	842.4012	1682.788	2	1682.782	0.0058	0	94.08	2.80E-08	R	NVOAEM@VFSSGLK	G
1183	842.4016	1682.789	2	1682.782	0.0065	0	79.72	8.00E-07	R	NVOAEM@VFSSGLK	G
1206	570.9888	1709.936	3	1709.931	0.0045	1	51.02	0.00027	R	VVDALGNAIDGKPGKPSK	T
1207	855.9755	1709.937	2	1709.931	0.0053	0	73.71	1.60E-06	R	VVDALGNAIDGKPGKPSK	T
1232	577.6614	1729.962	3	1729.957	0.0049	1	43.55	0.0012	R	RTGAIVDPVGEELLGR	V
1263	594.3372	1779.99	3	1779.984	0.0055	1	36.93	0.0062	K	RTGAIVDPVGEELLGR	V
1375	1052.526	2103.037	2	2103.031	0.0065	0	61.36	4.40E-05	K	GM@SLNLEPDNVGVVFGNDK	L
1376	1052.527	2103.04	2	2103.031	0.009	0	85.91	1.50E-07	K	GM@SLNLEPDNVGVVFGNDK	L
1377	702.026	2103.04	3	2103.031	0.0092	0	72.05	3.70E-06	K	GM@SLNLEPDNVGVVFGNDK	L
1380	1060.523	2119.03	2	2119.026	0.0048	0	34.74	0.019	K	GM@SLNLEPDNVGVVFGNDK	L
1381	1060.523	2119.031	2	2119.026	0.0058	0	98.94	7.50E-09	K	GM@SLNLEPDNVGVVFGNDK	L
1382	1060.523	2119.032	2	2119.026	0.0062	0	89.99	9.60E-08	K	GM@SLNLEPDNVGVVFGNDK	L
1384	1060.524	2119.034	2	2119.026	0.0082	0	83.95	2.40E-07	K	GM@SLNLEPDNVGVVFGNDK	L
1386	707.3522	2119.035	3	2119.026	0.0091	0	50.72	0.00051	K	GM@SLNLEPDNVGVVFGNDK	L
1419	553.0699	2208.25	4	2208.245	0.0053	1	28.75	0.015	K	GIRPAINVGLSVSRVGGAAQT	A
1491	1155.086	2308.158	2	2308.152	0.0059	0	89.7	5.80E-08	K	QGOYSPM@AIEEQVAVIYAVGR	R
1492	770.394	2308.16									

151	438.7533	875.4921	2	875.4999	0.0023	0	44.18	0.0066	R	QM@SLLLR	R
152	438.7534	875.4922	2	875.4999	0.0023	0	40.12	0.017	R	QM@SLLLR	R
153	438.7535	875.4925	2	875.4999	0.0027	0	38.29	0.025	R	QM@SLLLR	R
179	446.7491	891.4817	2	891.4814	0.0003	0	39.85	0.017	R	LELAQYR	R
180	446.749	891.4834	2	891.4814	0.0002	0	40.06	0.02	R	LELAQYR	R
183	446.7491	891.4837	2	891.4814	0.0023	0	39.67	0.02	R	LELAQYR	R
199	452.2348	902.455	2	902.4531	0.0019	0	37.98	0.032	R	EPMOTGIK	A
200	452.2348	902.4551	2	902.4531	0.0019	0	45.5	0.006	R	EPMOTGIK	A
207	500.7928	999.571	2	999.5713	-0.0003	0	35.06	0.039	R	VLSDGIAR	V
201	500.7939	999.5733	2	999.5713	0.0002	0	62.07	8.10E-05	R	VLSDGIAR	V
293	500.8061	999.5977	2	999.5964	0.0013	1	39.27	0.012	K	LIKEDVVK	R
297	501.3094	1000.604	2	1000.603	0.0012	1	37.24	0.012	K	RSTVAQLVK	R
299	501.3097	1000.605	2	1000.603	0.0019	1	33.58	0.029	K	RSTVAQLVK	R
314	510.7613	1019.508	2	1019.507	0.0011	1	35.99	0.042	K	RLTDADAMK	R
316	510.7614	1019.508	2	1019.507	0.0014	1	37.21	0.033	K	RLTDADAMK	Y
318	510.7617	1019.509	2	1019.507	0.0019	1	37.45	0.031	K	RLTDADAMK	Y
327	513.8015	1025.588	2	1025.587	0.0014	0	55.79	0.00015	K	AVDSLVPIGR	G
328	513.8016	1025.589	2	1025.587	0.0016	0	41.62	0.004	K	AVDSLVPIGR	G
329	513.8016	1025.589	2	1025.587	0.0016	0	60.27	5.50E-05	K	AVDSLVPIGR	G
330	513.8017	1025.589	2	1025.587	0.0019	0	32.57	0.032	K	AVDSLVPIGR	G
331	513.8017	1025.589	2	1025.587	0.0019	0	55.99	0.00015	K	AVDSLVPIGR	G
346	518.7593	1035.504	2	1035.502	0.0021	1	42.3	0.0099	K	RLTDADAMK	G
457	560.8647	1119.715	2	1119.713	0.0022	1	48.55	8.50E-05	R	GYLKDLEPSK	Y
516	575.3116	1148.609	2	1148.608	0.001	1	50.84	0.00097	R	GYLKDLEPSK	I
517	575.3119	1148.609	2	1148.608	0.0016	1	38.08	0.023	R	GYLKDLEPSK	I
522	583.8778	1148.612	3	1148.608	0.0038	1	43.26	0.0069	R	GYLKDLEPSK	I
564	586.3196	1170.625	2	1170.625	0.0003	0	92.31	5.80E-08	K	VVDALGNAIDGK	G
565	586.3204	1170.626	2	1170.625	0.0017	0	66.5	2.50E-05	R	VVDALGNAIDGK	G
566	586.3204	1170.626	2	1170.625	0.0017	0	68.43	1.80E-05	R	VVDALGNAIDGK	G
568	586.3206	1170.627	2	1170.625	0.0022	0	57.56	0.0002	R	VVDALGNAIDGK	G
569	586.3207	1170.627	2	1170.625	0.0024	0	46.25	0.0027	R	VVDALGNAIDGK	G
570	586.3209	1170.627	2	1170.625	0.0027	0	97.94	1.90E-08	R	VVDALGNAIDGK	G
571	586.321	1170.627	2	1170.625	0.003	0	76.24	3.00E-06	R	VVDALGNAIDGK	G
725	644.3517	1286.689	2	1286.687	0.0018	0	66.44	3.10E-05	K	HALIYDLSK	O
726	644.3518	1286.689	2	1286.687	0.002	0	65.25	4.00E-05	K	HALIYDLSK	O
729	644.3519	1286.689	2	1286.687	0.0023	0	70.36	1.20E-05	K	HALIYDLSK	O
731	644.3522	1286.689	2	1286.687	0.0028	0	50.93	0.0011	K	HALIYDLSK	O
732	644.3522	1286.689	2	1286.687	0.0029	0	53.98	0.00053	K	HALIYDLSK	O
733	644.3522	1286.689	2	1286.687	0.0029	0	35.35	0.039	K	HALIYDLSK	O
734	644.3523	1286.689	2	1286.687	0.003	0	63.01	6.70E-05	K	HALIYDLSK	O
735	644.3524	1286.689	2	1286.687	0.0031	0	45.17	0.0041	K	HALIYDLSK	O
736	644.3525	1286.689	2	1286.687	0.0034	0	50.15	0.0013	K	HALIYDLSK	O
737	644.3525	1286.689	2	1286.687	0.0034	0	61.5	9.50E-05	K	HALIYDLSK	O
738	644.3526	1286.689	2	1286.687	0.0036	0	48.94	0.0016	K	HALIYDLSK	O
743	649.3044	1286.691	3	1286.687	0.0043	0	41.12	0.0087	K	HALIYDLSK	O
787	658.8759	1315.737	2	1315.735	0.0024	0	79.19	9.50E-07	R	TSIAIDTINOK	R
788	658.8759	1315.737	2	1315.735	0.0024	0	87.12	1.50E-07	R	TSIAIDTINOK	R
789	658.8763	1315.738	2	1315.735	0.0033	0	71.51	5.80E-06	R	TSIAIDTINOK	R
790	658.8764	1315.738	2	1315.735	0.0035	0	76.34	1.60E-06	R	TSIAIDTINOK	R
791	658.8764	1315.738	2	1315.735	0.0035	0	91.55	4.30E-08	R	TSIAIDTINOK	R
793	658.8767	1315.739	2	1315.735	0.0042	0	99.03	8.60E-09	R	TSIAIDTINOK	R
812	664.3586	1326.703	2	1326.701	0.0022	0	39.12	0.012	K	LYC'IYVAIGQK	R
814	664.3588	1326.703	2	1326.701	0.0025	0	51.05	0.00078	K	LYC'IYVAIGQK	R
815	664.3588	1326.703	2	1326.701	0.0025	0	53.68	0.00043	K	LYC'IYVAIGQK	R
816	664.3588	1326.703	2	1326.701	0.0026	0	66.48	2.10E-05	K	LYC'IYVAIGQK	R
817	664.3589	1326.703	2	1326.701	0.0026	0	58.21	0.00014	K	LYC'IYVAIGQK	R
819	664.359	1326.704	2	1326.701	0.0029	0	50.5	0.00083	K	LYC'IYVAIGQK	R
820	664.359	1326.704	2	1326.701	0.0029	0	56.78	0.0002	K	LYC'IYVAIGQK	R
821	664.3591	1326.704	2	1326.701	0.0031	0	46.41	0.0021	K	LYC'IYVAIGQK	R
822	664.3594	1326.704	2	1326.701	0.0037	0	45.16	0.003	K	LYC'IYVAIGQK	R
823	664.3595	1326.704	2	1326.701	0.0039	0	74.98	3.10E-06	K	LYC'IYVAIGQK	R
824	664.36	1326.706	2	1326.701	0.005	0	38.17	0.014	K	LYC'IYVAIGQK	R
834	668.8444	1335.674	2	1335.671	0.0032	0	81.4	9.00E-07	K	EIVTNFLAGFEP	-
835	668.8445	1335.674	2	1335.671	0.0033	0	79.97	1.20E-06	R	EIVTNFLAGFEP	-
836	668.8445	1335.675	2	1335.671	0.0035	0	50.2	0.0012	K	EIVTNFLAGFEP	-
874	679.8776	1357.741	2	1357.739	0.0018	1	44.53	0.0029	R	ISVREPMTGIK	A
890	687.8749	1373.736	2	1373.734	0.0015	1	42.92	0.0049	R	ISVREPMTGIK	A
931	712.3417	1422.669	2	1422.666	0.0028	0	100.77	6.90E-09	K	TGTAEMSSILEER	I
932	712.3419	1422.669	2	1422.666	0.0031	0	86.8	1.80E-07	K	TGTAEMSSILEER	I
933	712.342	1422.669	2	1422.666	0.0034	0	76.78	1.80E-06	K	TGTAEMSSILEER	I
934	712.342	1422.67	2	1422.666	0.0035	0	98.88	1.10E-08	K	TGTAEMSSILEER	I
936	712.3426	1422.671	2	1422.666	0.0046	0	46.23	0.002	K	TGTAEMSSILEER	I
950	719.9293	1437.842	2	1437.842	0.0006	0	68.06	2.90E-08	R	GIRPAINVGLSVSR	V
953	480.2885	1437.844	3	1437.842	0.0022	0	28.33	0.028	K	GIRPAINVGLSVSR	V
954	719.9293	1437.844	2	1437.842	0.0025	0	40.98	0.0015	K	GIRPAINVGLSVSR	V
955	480.2887	1437.844	3	1437.842	0.0027	0	32.32	0.011	K	GIRPAINVGLSVSR	V
956	719.9294	1437.844	2	1437.842	0.0028	0	55.89	4.80E-05	K	GIRPAINVGLSVSR	V
957	719.9294	1437.844	2	1437.842	0.0028	0	52.31	0.0009	K	GIRPAINVGLSVSR	V
958	480.289	1437.845	3	1437.842	0.0035	0	56.61	3.70E-05	K	GIRPAINVGLSVSR	V
959	480.289	1437.845	3	1437.842	0.0036	0	46.58	0.00037	K	GIRPAINVGLSVSR	V
961	720.3384	1438.663	2	1438.661	0.0014	0	70.18	8.00E-06	K	TGTAEM@SSILEER	I
962	720.3387	1438.663	2	1438.661	0.002	0	86.98	1.30E-07	K	TGTAEM@SSILEER	I
963	720.339	1438.664	2	1438.661	0.0026	0	74.73	2.90E-06	K	TGTAEM@SSILEER	I
971	485.94	1454.798	3	1454.796	0.0026	1	42.26	0.0037	K	KLVC'IYVAIGQK	R
973	728.4064	1454.798	2	1454.796	0.0028	1	97.57	9.70E-09	K	KLVC'IYVAIGQK	R
1003	736.9268	1471.839	2	1471.836	0.0033	1	38.28	0.0052	K	TSIAIDTINOK	R
1005	491.6205	1471.84	3	1471.836	0.004	0	46.36	0.0009	K	TSIAIDTINOK	R
1014	495.2753	1482.804	3	1482.802	0.0023	1	38.77	0.0085	K	LYC'IYVAIGQKR	S
1015	742.4093	1482.804	2	1482.802	0.0024	1	54.56	0.00023	K	LYC'IYVAIGQKR	S
1016	495.2754	1482.804	3	1482.802	0.0026	1	42.62	0.0035	K	LYC'IYVAIGQKR	S
1083	518.5947	1552.732	2	1552.731	0.0011	0	35.94	0.025	R	EAYPGDVFYLHSR	L
1084	777.3738	1552.733	2	1552.731	0.002	0	77.84	1.60E-06	R	EAYPGDVFYLHSR	L
1085	777.3738	1552.733	2	1552.731	0.002	0	74.78	3.30E-06	R	EAYPGDVFYLHSR	L
1089	777.3743	1552.734	2	1552.731	0.003	0	79.88	9.40E-07	R	EAYPGDVFYLHSR	L
1113	786.3979	1574.781	2	1574.779	0.0024	0	95.17	2.90E-08	R	ILGADTSVLEETGR	V
1114	788.3984	1574.782	2	1574.779	0.0034	0	110.94	1.40E-09	R	ILGADTSVLEETGR	V
1115	788.3984	1574.782	2	1574.779	0.0034	0	108.69	1.40E-09	R	ILGADTSVLEETGR	V
1117	788.3986	1574.783	2	1574.779	0.0038	0	131.85	6.40E-12	R	ILGADTSVLEETGR	V
1118	788.3987	1574.783	2	1574.779	0.004	0	75.79	2.60E-06	R	ILGADTSVLEETGR	V
1119	788.3989	1574.785	2	1574.779	0.0065	0	113.12	4.50E-10	R	ILGADTSVLEETGR	V
1123	789.4333	1576.852	2	1576.85	0.0019	1	57.33	9.90E-05	K	LKEIVTNFLAGFEP	-
1125	789.4338	1576.853	2	1576.85	0.0029	1	32.91	0.03	K	LKEIVTNFLAGFEP	-
1127	789.4346	1576.855	2	1576.85	0.0046	1	58.18	8.30E-05	K	LKEIVTNFLAGFEP	-
1192	541.956	1622.846	3	1622.845	0.0012	1	31.24	0.049	K	QVAGT@KLELAQYR	E
1193	812.4308	1622.847	2	1622.845	0.002	0	50.1				

								1730	603.3229	2409.262	4	2409.255	0.0071	0	41.78	0.002 K	FENAF1SHVISHQSHLGNIR	S
								1731	603.323	2409.263	4	2409.255	0.0076	0	48.25	0.00048 K	FENAF1SHVISHQSHLGNIR	S
								1732	603.3231	2409.263	4	2409.255	0.0081	0	36.16	0.008 K	FENAF1SHVISHQSHLGNIR	S
								1733	804.0951	2409.264	3	2409.255	0.0081	0	71.92	2.10E-06 K	FENAF1SHVISHQSHLGNIR	S
								1734	804.0953	2409.264	3	2409.255	0.0087	0	33.62	0.013 K	FENAF1SHVISHQSHLGNIR	S
								1735	804.0957	2409.265	3	2409.255	0.01	0	87.51	5.20E-08 K	FENAF1SHVISHQSHLGNIR	S
								1833	918.1702	2751.489	3	2751.482	0.0068	1	97.88	1.80E-09 K	ITKFENAF1SHVISHQSHLGNIR	S
								1834	688.8798	2751.49	4	2751.482	0.0079	1	54.1	4.20E-05 K	ITKFENAF1SHVISHQSHLGNIR	S
								1836	688.38	2751.491	4	2751.482	0.0089	0	52.73	6.10E-05 K	ITKFENAF1SHVISHQSHLGNIR	S
								684	622.8512	1243.688	2	1243.685	0.0032	0	69.46	1.20E-05 R	LIDDMVAQVLK	S
								696	630.8484	1259.682	2	1259.68	0.0027	0	52.3	0.00066 R	LIDDMVAQVLK	S
								864	678.3506	1354.687	2	1354.684	0.0027	0	37.16	0.02 K	TIEAEEAAGTVTR	H
								916	705.3436	1408.673	2	1408.669	0.0037	0	94.95	3.20E-08 K	VCVTVTVESGAMTK	D
								940	713.3408	1424.667	2	1424.664	0.0031	0	70.25	9.20E-06 K	DQTNDOVITDSALATOK	D
								1382	924.4545	1846.894	2	1846.891	0.0035	0	86.28	1.80E-07 R	VCVTVTVESGAMTK	D
								1398	640.9971	1919.969	3	1919.963	0.0065	0	50.49	0.00072 K	LNEHFLNTDFLDTIK	S
								1294	855.9277	1709.841	2	1709.837	0.0035	0	68.75	1.20E-05 R	GEFYNEASVLAIRV	E
								1459	1034.502	2066.988	2	2066.983	0.0054	0	65.04	2.00E-05 R	GAGAYIC'GEETALESIEGK	A
								57	408.2361	814.4576	2	814.4548	0.0028	0	36.38	0.049 R	EILIGDR	Q
								97	423.2598	844.505	2	844.5018	0.0032	0	59.14	0.0002 R	STVAQLVK	R
								116	430.7565	859.4985	2	859.4949	0.0036	0	39.25	0.02 R	QMSLLLR	R
								134	436.7537	875.422	2	875.4199	0.003	0	43.88	0.0069 R	QIM8SLLLR	R
								160	446.7495	891.4844	2	891.4814	0.003	0	40.62	0.015 K	LELAQYR	E
								161	446.7496	891.4846	2	891.4814	0.0032	0	39.53	0.02 K	LELAQYR	E
								175	452.2354	902.4562	2	902.4531	0.0031	0	46.19	0.0049 R	EFMGTQIK	A
								260	590.7947	999.5748	2	999.5713	0.0035	0	62.2	7.80E-07 R	VLISGDIQIR	R
								261	500.7947	999.5748	2	999.5713	0.0036	0	50.63	0.0011 R	VLISGDIQIR	R
								263	501.31	1000.605	2	1000.603	0.0025	1	37.18	0.013 K	RSTVAQLVK	R
								279	510.7622	1019.51	2	1019.507	0.0028	1	36.98	0.036 K	RLTDADAMK	Y
								287	513.8018	1025.589	2	1025.587	0.0021	0	53.35	0.00027 K	AVDSVPIPIGR	R
								288	513.8019	1025.589	2	1025.587	0.0023	0	50.28	0.00056 R	AVDSVPIPIGR	R
								289	513.8019	1025.589	2	1025.587	0.0024	0	34.21	0.022 K	AVDSLPIPIGR	G
								290	513.8021	1025.59	2	1025.587	0.0026	0	49.46	0.00067 K	AVDSLPIPIGR	G
								420	560.8653	1119.716	2	1119.713	0.0032	1	40.48	0.00055 R	VLGKAPGIPRR	I
								507	586.2007	1170.627	2	1170.625	0.0024	0	37.88	0.019 R	VVDALGNAIDGK	G
								608	598.321	1170.627	2	1170.625	0.003	0	74.47	4.50E-06 R	VVDALGNAIDGK	G
								509	586.3211	1170.628	2	1170.625	0.0032	0	64.47	4.50E-05 R	VVDALGNAIDGK	G
								510	586.3212	1170.628	2	1170.625	0.0033	0	57.08	0.00024 R	VVDALGNAIDGK	G
								511	586.3212	1170.628	2	1170.625	0.0033	0	98.11	1.90E-08 R	VVDALGNAIDGK	G
								512	586.3212	1170.628	2	1170.625	0.0035	0	70.72	1.10E-05 R	VVDALGNAIDGK	G
								639	644.3524	1286.69	2	1286.687	0.0031	0	56.99	0.00027 K	HALIYDOLSK	Q
								640	644.3524	1286.69	2	1286.687	0.0033	0	58.4	0.00019 R	HALIYDOLSK	Q
								641	644.3525	1286.691	2	1286.687	0.0035	0	44.17	0.0048 K	HALIYDOLSK	Q
								642	644.3527	1286.691	2	1286.687	0.0039	0	61.34	9.10E-05 K	HALIYDOLSK	Q
								643	644.3528	1286.691	2	1286.687	0.004	0	65.11	3.80E-05 K	HALIYDOLSK	Q
								644	429.9044	1286.691	3	1286.687	0.0042	0	37.36	0.021 K	HALIYDOLSK	Q
								679	658.8763	1315.738	2	1315.735	0.0033	0	81.53	5.80E-07 K	TSIAIDTINQK	R
								680	658.8763	1315.738	2	1315.735	0.0034	0	77.89	1.30E-06 K	TSIAIDTINQK	R
								682	658.8777	1315.741	3	1315.735	0.0061	0	72.67	3.50E-06 K	TSIAIDTINQK	R
								698	664.3597	1326.705	2	1326.701	0.0042	0	63.8	3.90E-05 K	LYC'YVAIGQK	R
								699	664.3599	1326.705	2	1326.701	0.0047	0	43.65	0.004 K	LYC'YVAIGQK	R
								700	664.3599	1326.705	2	1326.701	0.0047	0	48.27	0.0014 K	LYC'YVAIGQK	R
								701	664.36	1326.705	2	1326.701	0.0048	0	56.67	0.0002 K	LYC'YVAIGQK	R
								702	664.36	1326.706	2	1326.701	0.0049	0	44.94	0.005 K	LYC'YVAIGQK	R
								712	668.8449	1335.675	2	1335.671	0.0042	0	70.92	9.10E-06 K	EIVTNFLAGFEP	-
								713	668.8449	1335.675	2	1335.671	0.0042	0	70.97	9.00E-06 K	EIVTNFLAGFEP	-
								741	679.8758	1357.743	2	1357.739	0.0044	1	42.47	0.0047 R	ISVREPMQTGK	A
								752	697.8758	1373.737	2	1373.734	0.0034	0	37.5	0.018 R	ISVREPMQTGK	A
								785	712.3421	1422.67	2	1422.666	0.0036	0	64.49	3.10E-05 K	TGTAEMSSILEER	I
								786	712.3422	1422.67	2	1422.666	0.0037	0	86.5	1.90E-07 K	TGTAEMSSILEER	I
								787	712.3426	1422.671	2	1422.666	0.0046	0	107.21	1.60E-09 K	TGTAEMSSILEER	I
								788	712.3426	1422.671	2	1422.666	0.0046	0	92.26	4.90E-08 K	TGTAEMSSILEER	I
								789	712.3433	1422.672	2	1422.666	0.0059	0	68.3	1.00E-07 K	TGTAEMSSILEER	I
								803	480.289	1437.845	3	1437.842	0.0036	0	50.24	0.00016 K	GIRPAINVGLSVSR	V
								804	480.289	1437.845	3	1437.842	0.0037	0	32.18	0.01 K	GIRPAINVGLSVSR	V
								805	719.93	1437.845	2	1437.842	0.0039	0	65.51	4.80E-06 K	GIRPAINVGLSVSR	V
								807	719.9304	1437.845	2	1437.842	0.0047	0	44.77	0.00067 K	GIRPAINVGLSVSR	V
								808	480.2895	1437.847	3	1437.842	0.0051	0	54.64	6.90E-05 K	GIRPAINVGLSVSR	V
								809	719.9309	1437.847	2	1437.842	0.0057	0	62.29	1.30E-05 K	GIRPAINVGLSVSR	V
								810	720.3399	1438.665	2	1438.661	0.0043	0	73.42	3.90E-06 K	TGTAEM@SSILEER	I
								811	720.34	1438.665	2	1438.661	0.0044	0	61.47	6.10E-05 K	TGTAEM@SSILEER	I
								813	720.3404	1438.666	2	1438.661	0.0045	0	65.2	2.80E-05 K	TGTAEM@SSILEER	I
								820	728.4067	1454.799	2	1454.796	0.0033	1	83.55	2.40E-07 K	KLYC'YVAIGQK	R
								843	736.9268	1471.839	2	1471.836						

Q8C5H8	NAD kinase 2, mitochondrial	110	5	5	50827	8.31	1042 545.2867 1632.838 3	1632.836	0.0025	0	49.32	0.001 K	YSLKPNDOIADK	H	
							524 549.3201 1096.626 2	1096.624	0.0017	0	31.48	0.035 R	QGNLTPLNK	D	
							721 598.7883 1195.562 2	1195.561	0.0012	0	34.59	0.033 R	YAESEEDLK	Q	
							790 627.3408 1252.679 2	1252.678	0.0015	0	41.38	0.0057 R	SEASGQPLLPVR	Q	
							821 641.3102 1280.606 2	1280.603	0.0029	0	49.61	0.0012 K	SSGLALGCTGSK	A	
							1209 1006.481 2010.948 2	2010.942	0.0053	0	37.5	0.011 K	VTNEYNSLSPPEEK	I	
30	P05201	Aspartate aminotransferase, cytoplasmic	963	32	17	46202	6.68	116 424.7359 847.4572 2	847.4552	0.002	0	62.57	0.00016 R	IGADFLGR	W
							117 424.736 847.4579 2	847.4552	0.002	0	57.39	0.0006 R	IGADFLGR	W	
							101 443.7725 885.5304 2	885.5284	0.002	0	71.85	1.20E-05 R	VGNLTVWVK	E	
							192 443.7726 885.5307 2	885.5284	0.0023	0	70.51	1.30E-05 R	VGNLTVWVK	E	
							221 458.7561 915.4977 2	915.496	0.0017	0	51.37	0.0015 K	QIAVMQR	R	
							252 474.7674 947.5202 2	947.5199	0.0014	0	36.5	0.036 K	VNLGVGAYR	R	
							253 474.7674 947.5202 2	947.5199	0.0014	0	50.81	0.0013 K	VNLGVGAYR	R	
							385 519.2597 1036.505 2	1036.505	0.0003	0	53.13	0.00076 R	INMCGLTTK	N	
							416 527.2577 1052.501 2	1052.501	0.0014	0	37.13	0.025 R	INMCGLTTK	N	
							418 527.258 1052.501 2	1052.5	0.002	0	40.68	0.012 R	INMCGLTTK	N	
							459 538.6149 1075.615 2	1075.614	0.0014	0	43.51	0.0035 R	KVNLGVGAYR	N	
							517 561.2958 1120.577 2	1120.576	0.0006	0	41.56	0.0095 K	QVEVLNKEK	T	
							518 561.2959 1120.577 2	1120.576	0.0008	0	35.09	0.042 K	QVEVLNKEK	H	
							576 577.8307 1153.647 2	1153.646	0.0013	0	70.68	5.00E-06 R	LVLGDNSPAIR	E	
							577 577.8308 1153.647 2	1153.646	0.0016	0	55.02	0.00019 R	LVLGDNSPAIR	E	
							717 636.3571 1270.701 2	1270.699	0.0015	0	43.13	0.0004 R	VGQVQSLGTGALR	I	
							718 636.3579 1270.701 2	1270.699	0.0019	0	63.4	4.20E-05 R	VGQVQSLGTGALR	I	
							719 636.358 1270.701 2	1270.699	0.002	0	42.61	0.005 R	VGQVQSLGTGALR	I	
							742 649.3388 1296.659 2	1296.658	0.0016	0	68.47	1.80E-05 R	ITWVSNPAGGAR	R	
							816 702.3944 1402.774 2	1402.771	0.0035	0	82.23	4.20E-07 K	IVAATLSDPELFK	E	
							817 702.3945 1402.774 2	1402.771	0.0036	0	85.63	1.90E-05 R	IVAATLSDPELFK	E	
							818 702.3945 1402.775 2	1402.771	0.0037	0	61.35	5.10E-05 R	IVAATLSDPELFK	E	
							889 763.4057 1524.797 2	1524.794	0.0032	0	72.53	5.10E-06 R	TDESQVWPLPVR	K	
							937 830.9316 1659.849 2	1659.847	0.0019	0	95.78	2.20E-08 K	NDYVATSHHEAVTK	I	
							938 830.9317 1659.849 2	1659.847	0.0026	0	39.25	0.012 K	NDYVATSHHEAVTK	I	
							939 830.9327 1659.851 2	1659.847	0.0041	0	44.38	0.0029 K	NDYVATSHHEAVTK	I	
							1054 996.5712 1991.128 2	1991.124	0.0035	0	55.56	3.30E-05 M	APPSVFAQVPOAPPVLFVK	L	
							1055 996.5716 1991.128 2	1991.124	0.0036	0	50.96	9.10E-05 M	APPSVFAQVPOAPPVLFVK	L	
							1056 996.5717 1991.13 2	1991.124	0.0054	0	40.18	0.0012 M	APPSVFAQVPOAPPVLFVK	L	
							1057 996.5724 1991.13 2	1991.124	0.0059	0	44.35	0.00046 M	APPSVFAQVPOAPPVLFVK	L	
							1195 800.4182 2398.233 3	2398.228	0.0046	0	30.7	0.031 K	IANDSNLHLYPLGLAEFR	S	
							1215 879.7651 2636.274 3	2636.266	0.0076	0	42.46	0.0023 K	NTPYVSSPTSHNNHVAASGFK	D	
							138 429.7011 857.3877 2	857.3854	0.0023	0	36.25	0.013 K	FAAAAYCR	S	
							248 472.846 947.5202 2	947.5199	0.0017	0	58.37	0.0002 R	ISALSGR	D	
							324 500.2327 998.4508 2	998.4491	0.0017	0	52.37	0.00047 R	YGMGTSVER	A	
							345 508.2297 1014.445 2	1014.444	0.0009	0	44.76	0.0016 R	YGMGTSVER	A	
							585 588.3082 1158.602 2	1158.599	0.0025	1	39.19	0.019 R	TREEIQEVR	A	
							634 597.2872 1192.56 2	1192.558	0.0017	0	92.21	7.50E-08 R	VDGM@DILCCYR	F	
							785 788.8819 1335.689 2	1335.686	0.0037	0	64.96	3.50E-05 R	TRPIEIQYR	E	
							827 706.3937 1410.773 2	1410.772	0.001	0	69.7	6.60E-06 R	LEEGPPTVTLTR	E	
							828 706.3943 1410.774 2	1410.772	0.0022	0	61	5.20E-05 R	LEEGPPTVTLTR	E	
							843 717.3899 1432.725 2	1432.723	0.0022	0	62.45	6.40E-05 R	MVNSNLSVEELK	E	
							947 718.346 1434.678 2	1434.675	0.0027	0	60.13	8.50E-05 R	LPFC@ENR	E	
							1153 764.0594 2289.157 3	2289.152	0.0043	1	48.49	0.00067 R	M@VNSNLSVEELKEDVDR	K	
							1187 783.0809 2346.221 3	2346.215	0.0055	0	64.61	1.50E-05 K	NFYGGNVG@VQPLGAGIALC@K	S	
							306 496.325 990.6354 2	990.6338	0.0015	0	50.91	4.70E-05 R	LVIAGHLR	I	
							540 542.2843 1134.554 2	1134.553	0.0015	0	56.05	0.00037 K	IAMQTLDM@GR	I	
							590 584.2974 1186.545 2	1186.542	0.002	0	43.17	0.0051 K	IAMQTLDM@GR	I	
							699 630.8356 1259.657 2	1259.654	0.0024	0	53.65	0.00062 K	LADMALALESAR	L	
							722 638.8331 1275.652 2	1275.649	0.0023	0	80.75	1.20E-06 K	LADM@ALALESAR	L	
							892 768.8901 1537.766 2	1537.762	0.0033	0	111.84	7.30E-10 R	ITEIEGTSIOR	R	
							1014 938.0101 1814.006 3	1814.001	0.0045	0	28.22	0.048 K	GISAFVPM@PTPGLTLGK	K	
							1179 775.4054 2323.194 3	2323.192	0.0028	0	46.45	0.00098 R	AC@ASTGVM@SVNSLYLGLPK	F	
							580 578.3411 1154.668 2	1154.666	0.0017	0	35.36	0.019 K	QGLLGNIAEK	H	
							587 582.2892 1162.564 2	1162.562	0.0021	0	57.99	0.00025 R	SGSDWLNLSK	V	
							690 625.8126 1249.611 2	1249.609	0.0016	0	36.98	0.028 R	IFSSHDIFR	E	
							712 634.8464 1267.678 2	1267.677	0.001	0	62.04	4.70E-05 R	LPAN@SEENK	V	
							893 770.8687 1539.723 2	1539.721	0.0023	0	96.51	2.00E-08 K	AQDTAEFLFEDVR	L	
							1066 1009.988 2017.961 2	2017.956	0.0048	0	80.81	4.80E-07 K	C@GIAIAM@TEPGAAGSDLVGR	T	
							165 439.2491 876.4837 2	876.4818	0.0019	0	59.96	0.00021 R	VGASFLGR	F	
							287 490.768 990.6354 2	990.6338	0.0013	0	68.46	2.00E-05 R	VGAF@C	F	
							715 635.8727 1269.731 2	1269.729	0.0016	0	71.56	1.40E-06 R	IAATLSDPELFK	K	
							867 725.4084 1448.802 2	1448.799	0.0036	0	60.22	5.60E-05 R	FVTVQTSIGTALR	V	
							931 823.8735 1645.732 2	1645.729	0.003	0	36.61	0.0099 K	TC@GDFSGALEIDSK	I	
							294 492.6179 983.5092 2	983.5076	0.0016	0	37.47	0.02 R	QYVYNAK	A	
							592 583.3057 1184.597 2	1184.594	0.0026	0	39.25	0.016 @GQK	IPAN@SEENK	G	
							687 621.8389 1241.663 2	1241.662	0.0018	0	52.54	0.00057 K	VPAANVLSQESK	A	
							739 647.8364 1293.658 2	1293.657	0.0017	0	53.87	0.0005 K	LYEIGAGTSEVR	R	
							904 778.8908 1537.766 2	1537.762	0.0031	0	57.25	4.50E-05 R	GSNTC@ELFEDC@K	V	
							1203 852.4185 2554.234 3	2554.23	0.0042	0	41.54	0.0037 K	LIGS@GALAM@SEPNAGSD@VSM@K	R	
							533 566.7936 1131.573 2	1131.571	0.0012	0	59.66	0.00017 R	ALANSLAC@QK	Y	
							782 666.8545 1331.694 2	1331.693	0.002	0	58.66	0.00017 K	GILADESTGSIK	R	
							874 745.8593 1489.704 2	1489.701	0.0032	0	54.13	0.00034 R	LOGSIENTEENR	R	
							941 834.9185 1667.823 2	1667.819	0.0036	0	49.32	0.00095 K	FSNEIEM@ATVTLR	R	
							967 858.518 1549.652 2	1549.649	0.002	0	36.73	0.0084 K	TRP@VAGV@VTLDSASR	R	
							911 791.9164 1581.818 2	1581.815	0.0031	0	95.42	2.10E-08 K	IYQVETGAIQIR	L	
							607 586.3387 1170.663 2	1170.661	0.002	0	65.84	2.30E-05 K	LGTAAIGAEK	A	

P15105	Glutamine synthetase	179	6	6	42092	6.64	1379	754.0118	2259.014	3	2259.008	0.0055	0	33.05	0.023 K	DTYGDDPVSNNQIYFLDR	F	
							311	489.2355	976.4565	2	976.4535	0.0029	0	37.43	0.028 K	C*IEAIDK	L	
							465	529.269	1056.524	2	1056.52	0.0036	0	40.58	0.0098 M	#ATSASHLNK	G	
							1196	907.3202	1813.826	2	1813.819	0.0066	0	65.76	1.50E-05 R	TC*LLNETGDFPFQYK	L	
							1222	680.2217	1371.943	3	1371.937	0.0056	0	52.43	0.00047 R	RPSA@DHYVTEAIVR	N	
							1227	964.9406	1927.867	2	1927.862	0.0045	1	46.74	0.00083 R	TC*LLNETGDFPFQYK	-	
							1316	717.3494	1434.026	3	1434.019	0.0074	0	61.52	4.50E-05 R	LTGFHETSINDPFSAGVAVR	G	
							559	554.7996	1107.585	2	1107.581	0.0035	0	36.13	0.033 K	IEFGVDVITTK	E	
							602	633.358	1266.713	2	1266.713	0.0043	0	32.44	0.025 R	ASLILNFK	E	
							865	646.3138	1290.649	2	1290.646	0.0036	0	41.98	0.0087 K	EYVELLDTGPR	O	
							942	697.3235	1392.632	2	1392.628	0.0046	0	31.37	0.05 K	AC*GNFGIPC*ELR	V	
							1121	860.9718	1719.929	2	1719.923	0.0061	0	74.16	1.90E-06 K	ITSC*IFOLLQEGAK	T	
							1139	583.2854	1166.574	3	1166.528	0.0063	0	32.39	0.047 R	VVULMB@GTSLSGHC*EK	V	
							301	486.7732	973.547	2	973.5287	0.005	0	50.4	0.0018 R	EVGVEK	L	
							434	520.2419	1038.469	2	1038.466	0.0032	0	39.76	0.0093 R	VC*ALMS*AK	H	
767	613.3138	1224.613	2	1224.61	0.0032	0	34.59	0.044 M	#ASHLELNNGTK	M								
1050	794.4299	1586.845	2	1586.842	0.0037	0	69.92	8.50E-06 K	TIGVSNFNPLOIER	I								
33	P62196	26S protease regulatory subunit 8	763	24	22	45597	7.11	437	579.8311	1157.648	3	1157.645	0.0032	0	42.97	0.006 K	GVLVYPPGTQK	T
								563	645.803	1289.592	2	1289.585	0.0067	0	80.36	6.20E-07 R	LEGGSGDSEVQR	T
								585	657.3712	1312.728	2	1312.724	0.0041	0	84.12	2.90E-07 K	IEELQLVNDK	S
								597	664.3124	1326.61	2	1326.606	0.0043	0	55.21	0.0026 K	GVC*TEAGMYALR	E
								626	686.8532	1371.712	3	1371.707	0.005	0	40.53	0.0094 K	IALMPGASGAEVK	S
								638	694.8606	1387.707	2	1387.702	0.0049	0	49.99	0.001 K	IALM@PGASGAEVK	G
								662	476.5883	1426.683	3	1426.678	0.0056	0	43.14	0.0043 R	AVAHTDC*TFIR	V
								667	716.8406	1429.667	2	1429.662	0.0046	0	53.63	0.00033 K	NIDINDVTPNC*R	R
								677	719.8252	1437.836	2	1437.833	0.0056	0	37.42	0.0042 R	IDLDSALRPRR	R
								721	762.8687	1523.723	2	1523.718	0.0051	0	85.79	2.40E-07 K	VPSDSTEMIGGLDK	O
								725	770.8664	1539.718	2	1539.713	0.0056	0	67.35	1.50E-05 K	VPSDSTEM@IGGLDK	O
								730	517.2853	1548.834	3	1548.83	0.004	0	31.91	0.041 K	HPLEFALGIAQPK	G
								746	794.3685	1586.719	2	1586.713	0.0051	0	73.36	2.60E-06 M	#ALDPEQMELEELGK	A
								749	802.3641	1602.714	2	1602.708	0.005	0	47.15	0.00087 M	#ALDPEQMELEELGK	A
								750	535.2664	1602.777	3	1602.771	0.0062	0	39.42	0.012 R	VHVTOEDFEMAVAK	V
753	540.5975	1618.771	3	1618.766	0.0047	0	47.86	0.0014 R	VHVTOEDFEM@AVAK	V								
754	810.3937	1618.773	2	1618.766	0.0067	0	56.99	0.00018 R	VHVTOEDFEM@AVAK	V								
851	911.9691	1821.524	2	1821.518	0.0055	0	37.92	0.012 R	THALLELDQDFEATK	N								
856	1819.8687	3637.919	2	3637.913	0.0056	0	58.49	0.0001 R	TM@LELLNLDQDFEATK	N								
858	919.9681	1837.922	2	1837.913	0.0085	0	95.09	2.10E-08 R	TM@LELLNLDQDFEATK	N								
914	1038.538	2075.062	2	2075.054	0.0084	0	91.34	4.10E-08 R	EELQLLQGGSSV@VEVVR	A								
918	702.008	2103.002	3	2103.994	0.0079	0	35.29	0.019 R	EHPAFISPMDEIDISSGR	L								
921	707.3398	2118.988	3	2118.989	0.0063	0	48.73	0.00051 R	EHPAFISPMDEIDISSGR	L								
975	745.0378	2232.092	3	2232.085	0.007	1	38.39	0.0084 K	FVVDVKNIDINDVTPNC*R	V								
346	544.2946	1086.575	2	1086.571	0.0036	0	48.93	0.0022 R	ATDFVVPQPK	V								
429	577.7705	1153.527	2	1153.523	0.0038	0	45.01	0.0089 K	SEGGFWAC*K	N								
466	595.7877	1189.581	2	1189.576	0.0047	1	50.19	0.00085 K	C*ATITPDEKR	R								
523	685.8114	1249.608	2	1249.605	0.0046	0	51	0.00033 K	LIDDN@VQAM@K	S								
542	633.8092	1265.604	2	1265.6	0.0043	0	64.8	3.50E-05 R	LIDDM@VQAM@K	S								
611	671.3429	1340.671	2	1340.668	0.0028	0	67.46	2.00E-05 K	TVEAAEAHTVTR	H								
612	447.8987	1340.674	3	1340.668	0.006	0	35.58	0.033 K	TVEAAEAHTVTR	H								
648	699.851	1397.807	3	1397.803	0.0047	0	72.7	5.30E-06 K	LDN@E@SFAK	L								
722	763.3322	1524.65	2	1524.644	0.0056	0	73.25	1.70E-06 R	SDYLNTFEFMDK	L								
807	868.9036	1735.793	2	1735.787	0.0058	0	74.74	2.40E-06 K	IQGSSVEM@QGDEMTR	I								
813	876.9026	1751.791	2	1751.782	0.0089	0	86.15	1.40E-07 K	IQGSSVEM@QGDEMTR	I								
820	884.8986	1787.783	2	1787.777	0.0059	0	65.28	1.50E-05 K	IQGSSVEM@QGDEM@TR	I								
861	919.8687	1837.919	2	1837.912	0.0053	0	53.94	0.00033 K	GQEG@FMSFAVAK	D								
876	971.9642	1941.914	2	1941.906	0.0074	0	95.62	1.70E-08 K	ALEDVC*ITIEAGFM@TK	D								
877	648.3123	1941.915	3	1941.906	0.0088	0	42.66	0.0032 K	ALEDVC*ITIEAGFM@TK	D								
1077	876.0377	2625.091	3	2625.082	0.0089	0	52.82	3.40E-05 K	VVTM@VHDFEFGGVA@GM@YNQDK	D								
171	171.7107	341.458	2	341.456	0.0032	0	48.42	0.0027 K	ATDF	R								
291	522.2791	1042.544	2	1042.541	0.0028	0	51.42	0.001 K	LDGNQDLR	R								
358	547.7867	1093.559	2	1093.556	0.0032	0	48.85	0.0017 K	YFDLGNLPR	D								
362	549.757	1097.5	2	1097.496	0.0031	0	53.3	0.00044 K	SSGGFWAC*K	N								
518	625.8516	1243.889	2	1243.885	0.0041	0	72.58	5.90E-06 R	LIDDM@VAQVQK	S								
531	630.8489	1259.683	2	1259.68	0.0038	0	61.72	7.70E-05 R	LIDDM@VAQVQK	S								
532	630.849	1259.683	2	1259.68	0.0039	0	60.07	0.00011 R	LIDDM@VAQVQK	S								
547	637.8973	1273.78	2	1273.776	0.0043	0	42.15	0.00043 K	LILPHVDVQLK	L								
617	678.352	1354.689	2	1354.684	0.0053	0	59.93	0.0001 K	TIEAAEAHTVTR	H								
618	452.5705	1354.689	3	1354.684	0.0057	0	39.71	0.012 K	TIEAAEAHTVTR	H								
635	692.3583	1382.702	2	1382.698	0.0045	0	50.41	0.00085 K	DLAGC*HGLSNVK	L								
653	705.3443	1408.674	2	1408.669	0.005	0	100.5	8.10E-09 K	VC*VQTVESGAMTK	D								
660	713.3422	1424.67	2	1424.664	0.0058	0	92.92	4.90E-08 K	VC*VQTVESGAMTK	D								
859	616.6396	1846.897	3	1846.891	0.0063	0	53.35	0.00034 R	DDTNDV@TDSALATQK	Y								
890	624.4559	1846.897	3	1846.891	0.0063	0	102.47	4.20E-09 R	DDTNDV@TDSALATQK	Y								
869	640.9968	1919.969	3	1919.963	0.0058	0	45.96	0.002 K	MLNHLNTDFDLTK	Y								
99	429.7017	857.3889	2	857.3854	0.0035	0	32.74	0.024 K	FAAAYC*R	S								
187	472.2838	942.5531	2	942.5498	0.0033	0	54.55	0.00049 R	ALIAELTGR	R								
243	520.2337	1038.469	2	1038.466	0.0037	0	50.18	0.00075 R	YGM@SFAK	S								
438	590.3088	1158.603	2	1158.599	0.0037	1	42.84	0.008 R	TREEIQEVR	A								
470	597.2881	1192.562	2	1192.558	0.0036	0	96.86	2.70E-08 R	VDM@DILC*VR	E								
591	660.8557	1319.691	2	1319.691	0.0061	0	66.33	2.40E-05 K	GPILMELQTYR	Y								
606	668.8524	1336.69	2	1336.686	0.0045	0	57.98	0.00016 K	GPILM@ELQTYR	Y								
654	706.3954	1410.772	2	1410.772	0.0045	0	60.86	4.70E-05 R	LEEPPVTVLQTYR	E								
655	706.3959	1410.772	2	1410.772	0.0053	0	65.94	1.60E-05 R	LEEPPVTVLQTYR	E								
669	717.3712	1432.728	2	1432.723	0.0046	0	35.65	0.028 R	MVNSNLASVEELK	E								
671	718.3469	1434.679	2	1434.675	0.0045	0	41.29	0.0064 K	LPC*IFIC*ENNR	D								
1016	764.0609	2288.161	3	2289.152	0.0087	1	65.61	1.20E-05 K	M@VNSNLASVEELK@DEIVR	Y								
1058	783.0818	2346.224	3	2346.215	0.0081	0	40.49	0.00037 K	NFYGG@VQAGV@PLGAGIALC*AK	Y								
49	406.2209	810.4272	2	810.4236	0.0037	0	50.12	0.0012 R	VPV@PDR	F								
327	533.8381	1065.658	2	1065.655	0.0029	0	30.9	0.01 K	IGIVL@PNVQK	S								
335	537.7759	1073.537	2	1073.535	0.0019	0	64.69	5.90E-05 K	LOELSAEER	Q								
551	425.2522	1275.735	2	1275.73	0.0049	0	34.05	0.015 K	GDM@KPPHIGR	F								
696	733.744	1464.734	2	1464.728	0.0061	0	68.23	1.50E-05 K	YLEANM@TQSALPK	F								
704	741.3714	1480.728	2	1480.723	0.0051	0	38.85	0.012 K	YLEANM@TQSALPK	F								
735	784.9766	1567.939	2	1567.934	0.0048	0	87.54	2.00E-08 K	IPAFILNV@DIAGLQK	I								
737	786.8041	1571.794	2	1571.787	0.0084	0	81.71	5.40E-07 R	NVIVED@GDFFK	F								
781	544.2477	1629.721	2	1629.716	0.0056	0	34.92	0.01										

										855	713.931	1425.848	2	1425.842	0.0057	0	33.48	0.0096	R	MPPIVQAFGLK	R
										871	721.928	1441.842	2	1441.837	0.0048	0	32.37	0.017	R	M@PIVQAFGLK	R
										872	721.9281	1441.842	2	1441.837	0.005	0	65.17	9.00E-06	R	M@PIVQAFGLK	R
										874	721.9283	1441.842	2	1441.837	0.0053	0	39.17	0.0038	R	M@PIVQAFGLK	R
										875	721.9283	1441.842	2	1441.837	0.0054	0	72.33	1.90E-06	R	M@PIVQAFGLK	R
										943	749.3918	1496.769	2	1496.762	0.0068	1	47.64	0.0017	K	VPTDKYGAQVTR	S
										945	500.2936	1497.859	3	1497.856	0.0036	0	33.33	0.016	K	VAALTLGPFVTPAK	F
										946	749.9379	1497.861	2	1497.856	0.0057	0	83.49	1.70E-07	K	VAALTLGPFVTPAK	F
										950	752.8699	1503.725	2	1503.721	0.0013	0	37.08	0.017	R	AAAEVNOEYGLDPK	I
										952	752.8698	1503.725	2	1503.721	0.0044	0	41.54	0.0059	R	AAAEVNOEYGLDPK	I
										954	752.8699	1503.725	2	1503.721	0.0047	0	86.18	2.20E-07	R	AAAEVNOEYGLDPK	I
										955	752.8707	1503.727	2	1503.721	0.0063	0	47.42	0.0018	R	AAAEVNOEYGLDPK	I
										956	752.8707	1503.727	2	1503.721	0.0063	0	91.11	7.60E-08	R	AAAEVNOEYGLDPK	I
										957	753.3731	1504.732	2	1503.721	0.0054	1	72.1	1.01E-12	R	AAAEVNOEYGLDPK	I
										1017	528.3228	1581.947	3	1581.943	0.0037	1	24.01	0.039	R	MPPIVQAFGLKR	A
										1018	528.3229	1581.947	3	1581.943	0.0039	1	27.8	0.016	R	MPPIVQAFGLKR	A
										1019	791.981	1581.948	2	1581.943	0.0046	0	33.91	0.004	R	MPPIVQAFGLKR	A
										1027	799.9785	1597.942	2	1597.938	0.0046	0	28.9	0.024	R	M@PIVQAFGLKR	A
										1028	533.6548	1597.943	2	1597.938	0.0047	1	54.37	4.30E-05	R	M@PIVQAFGLKR	A
										1126	862.9434	1723.872	2	1723.867	0.0053	1	79.23	1.00E-06	R	VEFDTFGELKVPTDK	Y
										1128	575.6324	1723.876	3	1723.867	0.0061	1	42.32	0.0047	R	VEFDTFGELKVPTDK	Y
										1150	882.4706	1762.927	2	1762.921	0.0054	0	93.78	2.60E-08	R	IYELAAGTAVGTGLNTR	I
										1152	588.6497	1762.927	2	1762.921	0.0058	0	70.97	5.20E-06	R	IYELAAGTAVGTGLNTR	I
										1153	882.4709	1762.927	2	1762.921	0.0059	0	113.98	2.60E-10	R	IYELAAGTAVGTGLNTR	I
										1154	588.6497	1762.927	2	1762.921	0.006	0	56.18	0.00016	R	IYELAAGTAVGTGLNTR	I
										1155	882.4711	1762.928	2	1762.921	0.0062	0	112.36	3.80E-10	R	IYELAAGTAVGTGLNTR	I
										1156	588.6498	1762.928	2	1762.921	0.0063	0	55.69	0.00018	R	IYELAAGTAVGTGLNTR	I
										1157	882.4711	1762.928	2	1762.921	0.0063	0	108.73	8.70E-10	R	IYELAAGTAVGTGLNTR	I
										1158	588.6499	1762.928	2	1762.921	0.0065	0	84.58	2.30E-07	R	IYELAAGTAVGTGLNTR	I
										1159	882.4716	1762.929	2	1762.921	0.0073	0	140.39	5.80E-13	R	IYELAAGTAVGTGLNTR	I
										1180	882.4719	1762.929	2	1762.921	0.0079	0	31.29	0.046	R	IYELAAGTAVGTGLNTR	I
										1181	882.4719	1762.929	2	1762.921	0.0079	0	36.37	0.014	R	IYELAAGTAVGTGLNTR	I
										1314	1063.049	2124.083	2	2124.077	0.0059	0	46.51	0.0012	R	SGLGELLPENEGSSIMPPK	V
										1316	1063.049	2124.084	2	2124.077	0.0068	0	58.74	7.60E-05	R	SGLGELLPENEGSSIMPPK	V
										1317	1063.049	2124.084	2	2124.077	0.0071	0	51.6	0.0004	R	SGLGELLPENEGSSIMPPK	V
										1322	1071.047	2140.079	2	2140.072	0.0073	0	56.6	0.00015	R	SGLGELLPENEGSSIMPPK	V
										1324	1071.048	2140.08	2	2140.072	0.0083	0	44.51	0.0023	R	SGLGELLPENEGSSIMPPK	V
										1326	1071.048	2140.081	2	2140.072	0.0087	0	39.56	0.0071	R	SGLGELLPENEGSSIMPPK	V
										1327	714.3677	2140.081	3	2140.072	0.009	0	49.93	0.0051	R	SGLGELLPENEGSSIMPPK	V
										1387	753.7245	2258.152	3	2258.144	0.0078	0	74.92	1.70E-06	K	LMNESLMLVLTALNPHIGYDK	A
										1394	759.056	2274.146	3	2274.139	0.0075	0	83.94	2.70E-07	K	LMNESLMLVLTALNPHIGYDK	A
										1395	759.056	2274.146	3	2274.139	0.0075	0	71.01	4.40E-06	K	LMNESLMLVLTALNPHIGYDK	A
										1396	759.0561	2274.146	3	2274.139	0.0077	0	45.58	0.0015	K	LMNESLMLVLTALNPHIGYDK	A
										1397	759.0563	2274.147	3	2274.139	0.0084	0	81.21	4.30E-07	K	LMNESLMLVLTALNPHIGYDK	A
										1398	1138.081	2274.147	2	2274.139	0.0085	0	60.47	5.20E-05	K	LMNESLMLVLTALNPHIGYDK	A
										1399	759.0564	2274.147	3	2274.139	0.0086	0	53.49	0.00028	K	LMNESLMLVLTALNPHIGYDK	A
										1411	764.387	2290.139	3	2290.134	0.0054	0	66.3	1.50E-05	K	LM@NESLMLVLTALNPHIGYDK	A
										1412	764.3873	2290.14	3	2290.134	0.0063	0	33.78	0.027	K	LM@NESLMLVLTALNPHIGYDK	A
										1413	764.3875	2290.141	3	2290.134	0.0068	0	63.59	2.70E-05	K	LM@NESLMLVLTALNPHIGYDK	A
										1414	764.3875	2290.141	3	2290.134	0.0068	0	65.54	1.70E-05	K	LM@NESLMLVLTALNPHIGYDK	A
										1415	764.3875	2290.141	3	2290.134	0.007	0	59.67	6.70E-05	K	LM@NESLMLVLTALNPHIGYDK	A
										1416	573.5427	2290.142	4	2290.134	0.0078	0	32.99	0.031	K	LM@NESLMLVLTALNPHIGYDK	A
										1417	764.3881	2290.143	3	2290.134	0.0088	0	92.9	3.00E-08	K	LM@NESLMLVLTALNPHIGYDK	A
										1418	1146.079	2290.143	2	2290.134	0.009	0	48.67	0.0008	K	LM@NESLMLVLTALNPHIGYDK	A
										1461	781.0483	2340.123	3	2340.117	0.0057	0	53.94	0.00013	K	SOSSNDTFFPTAM@HIAAAVEVHK	V
										1474	786.3802	2356.119	3	2356.112	0.007	0	37.13	0.012	K	SOSSNDTFFPTAM@HIAAAVEVHK	V
										1475	786.3802	2356.119	3	2356.112	0.0072	0	34.93	0.019	K	SOSSNDTFFPTAM@HIAAAVEVHK	V
										1476	786.3803	2356.119	3	2356.112	0.0073	0	67.04	1.20E-05	K	SOSSNDTFFPTAM@HIAAAVEVHK	V
										1528	823.9875	2486.241	2	2486.232	0.0087	0	41.46	0.0031	K	ETAI@DLYTAEQFVGVKPK	V
										1540	913.1079	2736.302	3	2736.292	0.0088	0	43.57	0.0016	K	FEALAAHDALVLSGAM@NTAAC@SLM@K	D
										1544	918.4393	2752.296	3	2752.287	0.0092	0	45.74	0.0011	K	FEALAAHDALVLSGAM@NTAAC@SLM@K	D
										1545	918.4396	2752.297	3	2752.287	0.0099	0	60.42	4.20E-05	K	FEALAAHDALVLSGAM@NTAAC@SLM@K	D
										1565	1061.527	3181.559	3	3181.55	0.0088	0	52.56	0.00018	R	THTDQVPLTLOQFSGYVQDQVYAM@VTR	I
										1622	822.4057	3285.584	3	3285.584	0.01	0	53.94	0.00013	K	LNDF@LVWGTGSGTQTM@VNVNEVSR	I
	P21550	Beta-enolase	539	13	10	46995	6.73			482	567.7948	1133.575	2	1133.572	0.0034	0	72.98	8.60E-06	K	TAQAAQYDK	V
										542	389.55	1165.628	3	1165.624	0.0037	0	40.56	0.0075	R	IGAEVYHHLK	G
										809	460.9105	1379.71	3	1379.705	0.0051	0	33.61	0.043	R	GNPTEVLDHTAK	G
										999	478.8951	1555.776	2	1555.771	0.0051	0	77.83	1.50E-06	K	VNIG@VAAEFYR	N
										1004	786.8929	1571.771	2	1571.765	0.0058	0	57.38	0.00017	K	VNIG@VAAEFYR	N
										1048	817.4174	1632.82	2	1632.814	0.006	0	105.23	3.10E-09	K	VNOIGSVTESIQAK	L
										1206	602.3212	1803.942	3	1803.937	0.0052	0	44.49	0.0022	R	AAVPSGASTGVEALELR	D
										1207	902.9785	1803.942	3	1803.937	0.0058	0	97.93	1.10E-08	R	AAVPSGASTGVEALELR	D
										1243	942.9863	1883.958	2	1883.953	0.0055	0	43.28	0.001	K	LAM@QEFM@ILPVGASSFK	E
										1244	942.9868	1883.959	2	1883.953	0.0064	0	62.21	4.00E-05	K	LAM@QEFM@ILPVGASSFK	E
										1249	634.3253	1899.954	3	1899.947	0.0067	0	33.81	0.031	K	LAM@QEFM@ILPVGASSFK	E
										1250	950.9845	1899.954	2	1899.947	0.007	0	68.58	1			

						657	601.336	1200.657	2	1200.654	0.0038	0	49.59	0.0013	K	IQLNNMLDK	V
						672	609.336	1216.653	2	1216.649	0.004	0	41.74	0.0088	K	IQLNNM@LDK	V
						869	684.3604	1366.706	2	1366.703	0.0036	0	46.32	0.0023	R	AHSSM@GVNLPQK	A
						870	684.3608	1366.707	2	1366.703	0.0043	0	60.17	9.50E-05	R	AHSSM@GVNLPQK	A
						871	456.5766	1366.708	2	1366.703	0.0052	0	39.95	0.01	R	AHSSM@GVNLPQK	A
						884	692.3581	1382.702	2	1382.698	0.004	0	60.58	8.40E-05	R	AHSSM@GVNLPQK	A
						885	692.3582	1382.702	2	1382.698	0.0042	0	46.51	0.0021	R	AHSSM@GVNLPQK	A
						889	461.9081	1382.702	2	1382.698	0.0048	0	53.6	0.00041	R	AHSSM@GVNLPQK	A
						1060	817.9024	1633.791	2	1633.785	0.0054	0	61.43	7.80E-05	K	LDGVYVNDVAFGTAHR	A
						1061	545.6041	1633.791	2	1633.785	0.0055	0	66.6	2.40E-05	K	LDGVYVNDVAFGTAHR	A
						1062	817.9026	1633.791	2	1633.785	0.0059	0	92.41	6.10E-08	K	LDGVYVNDVAFGTAHR	A
						1063	545.6043	1633.791	2	1633.785	0.0062	0	42.97	0.005	K	LDGVYVNDVAFGTAHR	A
						1158	580.9716	1739.913	3	1739.905	0.0056	0	41.33	0.0047	K	VSHVSTGGGSELELEK	V
						1161	872.447	1742.88	3	1742.874	0.0057	0	44.5	0.0023	K	VNEMIGGGM@AFTFLK	V
						1162	872.4473	1742.88	3	1742.874	0.0064	0	55.63	0.00027	K	VNEMIGGGM@AFTFLK	V
						1168	585.6021	1753.785	3	1753.78	0.0047	0	49.47	0.00061	R	GC'TIIGGGDTATC'CAK	W
						1169	877.8998	1753.785	3	1753.78	0.0054	0	98.02	8.30E-09	R	GC'TIIGGGDTATC'CAK	W
						1170	877.9002	1753.786	3	1753.78	0.0061	0	70.43	5.10E-06	R	GC'TIIGGGDTATC'CAK	W
						1171	877.9007	1753.787	3	1753.78	0.0071	0	68.55	7.50E-06	R	GC'TIIGGGDTATC'CAK	W
						1175	880.4442	1758.874	3	1758.869	0.0054	0	65.78	2.40E-05	K	VNEM@IIGGGM@AFTFLK	V
						1176	587.2987	1758.874	3	1758.869	0.0058	0	40.85	0.0077	K	VNEM@IIGGGM@AFTFLK	V
						1185	590.3386	1767.994	3	1767.988	0.0056	0	33.39	0.0096	K	ALESPPRFLALGGAK	V
						1186	595.0043	1767.994	3	1767.988	0.0057	0	33.1	0.01	K	ALESPPRFLALGGAK	V
						1187	590.3386	1767.994	3	1767.988	0.0058	0	35.56	0.0058	K	ALESPPRFLALGGAK	V
						1188	590.3388	1767.995	3	1767.988	0.0063	0	30.18	0.018	K	ALESPPRFLALGGAK	V
						1190	885.0049	1767.995	3	1767.988	0.0069	0	68.35	2.70E-06	K	ALESPPRFLALGGAK	V
						1204	651.6528	1981.939	3	1981.93	0.0064	0	32.08	0.042	K	VLLNMGITSLYDEEGAK	I
						1305	991.9767	1981.939	3	1981.93	0.0087	0	53.82	0.00027	K	VLLNMGITSLYDEEGAK	I
						1314	666.9846	1997.932	3	1997.925	0.0067	0	51.55	0.00041	K	VLLNMG@EIGTSLYDEEGAK	I
						1315	999.9734	1997.932	3	1997.925	0.0072	0	73.2	2.90E-06	K	VLLNMG@EIGTSLYDEEGAK	I
						1327	1012.027	2022.038	3	2022.031	0.0074	1	86.53	1.40E-07	K	ITPLVDFVADKFDENAK	T
						1334	673.0225	2034.046	3	2034.039	0.0067	0	44.44	0.0023	K	SVLLMSHLGRPDGVP@PK	Y
						1346	684.354	2050.04	3	2050.034	0.0062	0	45.9	0.0098	K	SVLLMSHLGRPDGVP@PK	Y
						1348	684.3541	2050.04	3	2050.034	0.0064	0	38.35	0.0092	K	SVLLMSHLGRPDGVP@PK	Y
						1517	833.052	2496.134	3	2496.126	0.0081	0	60.54	2.80E-05	K	TGQATVASGIPAGW@GLDC'GTESK	R
						45	402.7542	803.489	2	803.4905	0.0034	0	38.4	0.01	R	GVFVAAK	R
						322	497.2608	992.5056	2	992.5039	0.0037	0	48.95	0.0022	R	YALOSQR	W
						520	562.3126	1122.611	2	1122.607	0.0032	0	51.44	0.00066	R	TPFGAYGGLLK	D
						635	594.8478	1187.881	2	1187.878	0.0036	0	34.13	0.022	R	ITAHVHLER	R
						636	396.9014	1187.881	2	1187.878	0.0048	0	40.17	0.0056	R	ITAHVHLER	R
						639	396.9016	1187.883	2	1187.878	0.0055	0	36.2	0.014	R	ITAHVHLER	R
						838	673.8463	1345.678	2	1345.673	0.0046	0	71.94	7.70E-06	K	LPMGMTAENLAAK	Y
						860	681.8433	1361.672	2	1361.668	0.0037	0	44.43	0.0043	K	LPMGM@TAENLAAK	Y
						861	681.8436	1361.673	2	1361.668	0.0043	0	43.96	0.0048	K	LPMGM@TAENLAAK	Y
						878	689.8408	1377.667	2	1377.663	0.0039	0	60.98	0.0017	K	LPMGM@TAENLAAK	Y
						948	714.3986	1426.783	2	1426.778	0.0047	0	92.43	3.60E-08	R	VGVPETGALTNR	L
						968	722.3442	1442.674	2	1442.668	0.0062	0	53.54	0.00038	K	DFSATDLTEFAAR	A
						1220	904.4774	1806.94	2	1806.934	0.0065	0	84.33	2.40E-07	K	TNVSGGAILGPHLGGSGSR	I
						1221	904.4774	1806.94	2	1806.934	0.0067	0	71.46	4.80E-06	K	TNVSGGAILGPHLGGSGSR	I
						1302	661.6458	1981.916	3	1981.909	0.0065	0	50.51	0.00051	K	AANEAGYFNEEM@PIEVK	T
						1303	991.9653	1981.916	3	1981.909	0.007	0	81.01	4.40E-07	K	AANEAGYFNEEM@PIEVK	T
						1312	999.9622	1997.91	3	1997.904	0.0058	0	69.51	5.60E-06	K	AANEAGYFNEEM@PIEVK	T
						1313	666.9775	1997.91	3	1997.904	0.0068	0	51.37	0.00037	K	AANEAGYFNEEM@PIEVK	T
						369	658.98	2115.949	2	2115.939	0.0071	0	87.99	8.90E-08	K	LC'GSGFQVSGC'QEC'SK	D
						1370	706.3229	2115.947	2	2115.939	0.008	0	45.56	0.0012	R	LC'GSGFQVSGC'QEC'SK	D
						1445	1148.566	2295.117	2	2295.109	0.0077	0	84.04	2.10E-07	K	DM@DLIDVNEAFAP@LSVQK	A
						1455	766.0465	2295.118	2	2295.109	0.0084	0	40.45	0.0058	K	DM@DLIDVNEAFAP@LSVQK	A
						1494	782.3481	2344.022	2	2344.013	0.009	0	32.52	0.016	K	DAN@C'GOTESMS@QVYK	A
						1520	844.7549	2531.243	2	2531.235	0.0079	0	82.86	2.30E-07	K	DGTVTAGNAGVSDGAGAVIASEDAVK	K
						1521	844.755	2531.243	2	2531.235	0.0081	0	42.87	0.0024	K	DGTVTAGNAGVSDGAGAVIASEDAVK	K
						1522	1266.629	2531.244	2	2531.235	0.0089	0	124.87	1.50E-11	K	DGTVTAGNAGVSDGAGAVIASEDAVK	K
						1537	887.4529	2659.337	2	2659.33	0.0069	1	59.99	4.10E-05	K	DGTVTAGNAGVSDGAGAVIASEDAVK	H
						1544	916.811	2747.411	2	2747.403	0.0084	0	50.12	0.0015	K	VYV@SGC'DP@TM@GIGVPA@NGALK	K
						11	379.2339	756.4532	2	756.4494	0.0039	0	43.39	0.0066	K	IENLR	L
						417	529.2778	1056.541	2	1056.539	0.0025	0	46.01	0.0032	R	GLSLPPAC'SR	A
						418	529.2781	1056.542	2	1056.539	0.003	0	35.1	0.037	R	GLSLPPAC'SR	A
						420	529.2783	1056.542	2	1056.539	0.0035	0	38.63	0.016	R	GLSLPPAC'SR	A
						483	551.769	1101.523	2	1101.52	0.0031	0	49.48	0.0011	K	ITHGOFDER	Y
						492	554.3209	1106.627	2	1106.624	0.0036	0	33.87	0.029	K	VPPPLFOFGR	K
						493	554.3209	1106.627	2	1106.624	0.0036	0	52.32	0.00041	K	VPPPLFOFGR	K
						762	636.2723	1270.53	2	1269.524	1.0064	0	45.5	0.00094	R	GVFWM@BWR	N
						848	453.2326	1366.676	2	1366.671	0.0062	0	49.22	0.0012	K	VN@BPTD@LDSK	I
						866	682.8114	1363.608	2	1363.604	0.0045	0	45.31	0.0016	K	LSEMTEQDOOR	I
						880	690.8908	1379.605	2	1379.599	0.0064	0	43.4	0.0024	K	LSEM@TEQDOOR	L
						895	695.8563	1389.698	2	1389.693	0.0051	0	50.28	0.0013	K	LFPPSDV@DLR	K

						615	692.3582	1382.702	2	1382.698	0.0042	0	59.75	9.90E-05	K	DLAGC*HGLSNVK	L
						624	705.3439	1408.673	2	1408.669	0.0043	0	63.95	3.90E-05	K	VC*VOTVESGAMTK	D
						639	713.3417	1424.669	2	1424.664	0.0048	0	104.36	3.30E-09	K	VC*VOTVESGAM@TK	I
						650	578.9406	1753.8	3	1753.796	0.0036	0	37.57	0.013	K	VEKRV*VEMGGDENTR	D
						629	589.6047	1765.792	3	1765.786	0.0059	0	31.83	0.037	K	VEKRV*VEMGGDENTR	I
						874	616.6393	1846.896	3	1846.891	0.0052	0	41.77	0.0044	R	DOTNDQVTDLSALATQ	Y
						875	924.4565	1846.898	2	1846.891	0.0076	0	91.93	4.80E-08	R	DOTNDQVTDLSALATQ	Y
						884	640.997	1919.969	3	1919.963	0.0063	0	41.86	0.0053	K	LINEFLNITDFDLTK	S
						985	890.9227	1919.971	3	1919.965	0.006	0	32.19	0.041	K	LINEFLNITDFDLTK	I
						196	453.2429	964.4712	2	964.4688	0.0024	0	41.24	0.014	R	DFNVPVMBK	N
						320	542.3077	1082.601	2	1082.597	0.0036	0	44.11	0.0035	K	VLPQVVDALSNV	-
						479	609.3338	1216.653	2	1216.649	0.0045	0	37.62	0.021	K	IQLNNM@LDK	V
						573	658.881	1317.722	2	1317.718	0.0036	0	43.85	0.0039	K	ITLQVDFVADK	F
						614	461.9078	1382.702	3	1382.698	0.0039	0	39.37	0.011	R	AHSSM@VGVNLPQK	A
						617	692.3586	1382.703	2	1382.698	0.005	0	53.48	0.0042	R	AHSSM@VGVNLPQK	A
						751	545.6041	1633.791	3	1633.785	0.0057	0	57.97	0.00017	K	LDGVVYNDVAFGTARH	A
						752	817.9034	1633.792	3	1633.785	0.0073	0	66.18	2.40E-05	K	LDGVVYNDVAFGTARH	A
						899	870.963	1739.912	3	1739.905	0.0061	0	42.04	0.004	K	VSHVSTGGASLELEK	V
						810	580.978	1739.912	3	1739.905	0.0069	0	36.66	0.014	K	VSHVSTGGASLELEK	V
						813	877.9003	1753.786	2	1753.78	0.0063	0	99.06	7.00E-09	R	GC*TIIGGGDTATC*CAK	W
						816	880.4446	1758.875	2	1758.869	0.0061	0	53.79	0.00039	K	VNEM@IIGGM@AFFLTK	I
						896	991.9769	1981.939	2	1981.93	0.0089	0	50.72	0.00055	K	VLNMM@EIGTSLYDEEGAK	I
						898	665.9545	1987.932	3	1987.925	0.0065	0	37.18	0.011	K	VLNMM@EIGTSLYDEEGAK	I
						899	999.9739	1997.933	2	1997.925	0.0082	0	90.35	5.50E-08	K	VLNMM@EIGTSLYDEEGAK	I
						905	1012.027	2022.039	2	2022.031	0.0079	1	77.56	1.00E-06	K	ITLQVDFVADKFDENAK	T
						381	567.7949	1133.572	2	1133.572	0.0035	0	69.28	1.90E-05	K	TAIQAAQVYDK	T
						479	609.3338	1216.653	2	1216.649	0.0045	0	37.62	0.021	K	IQLNNM@LDK	V
						573	658.881	1317.722	2	1317.718	0.0036	0	43.85	0.0039	K	ITLQVDFVADK	F
						614	461.9078	1382.702	3	1382.698	0.0039	0	39.37	0.011	R	AHSSM@VGVNLPQK	A
						617	692.3586	1382.703	2	1382.698	0.005	0	53.48	0.0042	R	AHSSM@VGVNLPQK	A
						751	545.6041	1633.791	3	1633.785	0.0057	0	57.97	0.00017	K	LDGVVYNDVAFGTARH	A
						752	817.9034	1633.792	3	1633.785	0.0073	0	66.18	2.40E-05	K	LDGVVYNDVAFGTARH	A
						899	870.963	1739.912	3	1739.905	0.0061	0	42.04	0.004	K	VSHVSTGGASLELEK	V
						810	580.978	1739.912	3	1739.905	0.0069	0	36.66	0.014	K	VSHVSTGGASLELEK	V
						813	877.9003	1753.786	2	1753.78	0.0063	0	99.06	7.00E-09	R	GC*TIIGGGDTATC*CAK	W
						816	880.4446	1758.875	2	1758.869	0.0061	0	53.79	0.00039	K	VNEM@IIGGM@AFFLTK	I
						896	991.9769	1981.939	2	1981.93	0.0089	0	50.72	0.00055	K	VLNMM@EIGTSLYDEEGAK	I
						898	665.9545	1987.932	3	1987.925	0.0065	0	37.18	0.011	K	VLNMM@EIGTSLYDEEGAK	I
						899	999.9739	1997.933	2	1997.925	0.0082	0	90.35	5.50E-08	K	VLNMM@EIGTSLYDEEGAK	I
						905	1012.027	2022.039	2	2022.031	0.0079	1	77.56	1.00E-06	K	ITLQVDFVADKFDENAK	T
						381	567.7949	1133.572	2	1133.572	0.0035	0	69.28	1.90E-05	K	TAIQAAQVYDK	T
						479	609.3338	1216.653	2	1216.649	0.0045	0	37.62	0.021	K	IQLNNM@LDK	V
						573	658.881	1317.722	2	1317.718	0.0036	0	43.85	0.0039	K	ITLQVDFVADK	F
						614	461.9078	1382.702	3	1382.698	0.0039	0	39.37	0.011	R	AHSSM@VGVNLPQK	A
						617	692.3586	1382.703	2	1382.698	0.005	0	53.48	0.0042	R	AHSSM@VGVNLPQK	A
						751	545.6041	1633.791	3	1633.785	0.0057	0	57.97	0.00017	K	LDGVVYNDVAFGTARH	A
						752	817.9034	1633.792	3	1633.785	0.0073	0	66.18	2.40E-05	K	LDGVVYNDVAFGTARH	A
						899	870.963	1739.912	3	1739.905	0.0061	0	42.04	0.004	K	VSHVSTGGASLELEK	V
						810	580.978	1739.912	3	1739.905	0.0069	0	36.66	0.014	K	VSHVSTGGASLELEK	V
						813	877.9003	1753.786	2	1753.78	0.0063	0	99.06	7.00E-09	R	GC*TIIGGGDTATC*CAK	W
						816	880.4446	1758.875	2	1758.869	0.0061	0	53.79	0.00039	K	VNEM@IIGGM@AFFLTK	I
						896	991.9769	1981.939	2	1981.93	0.0089	0	50.72	0.00055	K	VLNMM@EIGTSLYDEEGAK	I
						898	665.9545	1987.932	3	1987.925	0.0065	0	37.18	0.011	K	VLNMM@EIGTSLYDEEGAK	I
						899	999.9739	1997.933	2	1997.925	0.0082	0	90.35	5.50E-08	K	VLNMM@EIGTSLYDEEGAK	I
						905	1012.027	2022.039	2	2022.031	0.0079	1	77.56	1.00E-06	K	ITLQVDFVADKFDENAK	T
						381	567.7949	1133.572	2	1133.572	0.0035	0	69.28	1.90E-05	K	TAIQAAQVYDK	T
						479	609.3338	1216.653	2	1216.649	0.0045	0	37.62	0.021	K	IQLNNM@LDK	V
						573	658.881	1317.722	2	1317.718	0.0036	0	43.85	0.0039	K	ITLQVDFVADK	F
						614	461.9078	1382.702	3	1382.698	0.0039	0	39.37	0.011	R	AHSSM@VGVNLPQK	A
						617	692.3586	1382.703	2	1382.698	0.005	0	53.48	0.0042	R	AHSSM@VGVNLPQK	A
						751	545.6041	1633.791	3	1633.785	0.0057	0	57.97	0.00017	K	LDGVVYNDVAFGTARH	A
						752	817.9034	1633.792	3	1633.785	0.0073	0	66.18	2.40E-05	K	LDGVVYNDVAFGTARH	A
						899	870.963	1739.912	3	1739.905	0.0061	0	42.04	0.004	K	VSHVSTGGASLELEK	V
						810	580.978	1739.912	3	1739.905	0.0069	0	36.66	0.014	K	VSHVSTGGASLELEK	V
						813	877.9003	1753.786	2	1753.78	0.0063	0	99.06	7.00E-09	R	GC*TIIGGGDTATC*CAK	W
						816	880.4446	1758.875	2	1758.869	0.0061	0	53.79	0.00039	K	VNEM@IIGGM@AFFLTK	I
						896	991.9769	1981.939	2	1981.93	0.0089	0	50.72	0.00055	K	VLNMM@EIGTSLYDEEGAK	I
						898	665.9545	1987.932	3	1987.925	0.0065	0	37.18	0.011	K	VLNMM@EIGTSLYDEEGAK	I
						899	999.9739	1997.933	2	1997.925	0.0082	0	90.35	5.50E-08	K	VLNMM@EIGTSLYDEEGAK	I
						905	1012.027	2022.039	2	2022.031	0.0079	1	77.56	1.00E-06	K	ITLQVDFVADKFDENAK	T
						381	567.7949	1133.572	2	1133.572	0.0035	0	69.28	1.90E-05	K	TAIQAAQVYDK	T
						479	609.3338	1216.653	2	1216.649	0.0045	0	37.62	0.021	K	IQLNNM@LDK	V
						573	658.881	1317.722	2	1317.718	0.0036	0	43.85	0.0039	K	ITLQVDFVADK	F
						614	461.9078	1382.702	3	1382.698	0.0039	0	39.37	0.011	R	AHSSM@VGVNLPQK	A
						617	692.3586	1382.703	2	1382.698	0.005	0	53.48	0.0042	R	AHSSM@VGVNLPQK	A

										426	522.7877	1043.561	2	1043.561	-0.0002	0	81.4	1.20E-06	R	QLLTTADDR	V
										472	534.7927	1067.571	2	1067.572	-0.0014	1	75.12	3.60E-06	K	KELSDIAHR	I
										515	554.2919	1106.569	2	1106.572	-0.0027	1	40.38	0.014	K	AAQEYKRR	A
										518	554.2924	1106.57	2	1106.572	-0.0017	1	71.54	1.20E-05	K	AAQEYKRR	A
										555	566.7914	1131.568	2	1131.571	-0.0003	0	63.51	7.00E-05	R	ALANSLACQKG	Y
										556	566.7917	1131.569	2	1131.571	-0.0017	0	49.73	0.0019	R	ALANSLACQKG	Y
										779	666.8531	1331.692	2	1331.693	-0.0016	0	47.95	0.002	K	GILAADESTGSIK	R
										780	666.8532	1331.692	2	1331.693	-0.0014	0	56.03	0.00031	K	GILAADESTGSIK	R
										791	666.8535	1331.692	2	1331.693	-0.0009	0	79.67	1.40E-06	R	GILAADESTGSIK	R
										782	666.8541	1331.694	2	1331.693	0.0005	0	49.85	0.0013	K	GILAADESTGSIK	R
										791	671.8588	1341.703	2	1341.704	-0.0011	0	40.17	0.0095	K	ADDDGPPFOVIK	S
										793	448.2418	1341.704	3	1341.704	-0.0006	0	36.37	0.023	K	ADDDGPPFOVIK	S
										795	448.242	1341.704	3	1341.704	0.0002	0	35.36	0.029	K	ADDDGPPFOVIK	S
										819	693.9098	1376.708	2	1376.709	-0.0014	0	41.35	0.0006	M	PHYPALTPPEOK	S
										820	689.361	1376.708	2	1376.709	-0.0013	0	50.19	0.0013	M	PHYPALTPPEOK	K
										821	459.9099	1376.708	3	1376.709	-0.001	0	45.78	0.0033	M	PHYPALTPPEOK	K
										888	745.8664	1489.698	2	1489.701	-0.0025	0	69.85	7.90E-06	R	LOSGIGTENTEENR	R
										889	745.8666	1489.699	2	1489.701	-0.0023	0	80.72	6.50E-07	R	LOSGIGTENTEENR	R
										957	549.6867	1645.798	3	1645.802	-0.0037	1	40.06	0.0093	R	LOSGIGTENTEENR	F
										962	823.9077	1645.801	2	1645.802	-0.0012	1	38.1	0.014	K	LOSGIGTENTEENR	R
										964	551.6149	1651.823	3	1651.824	-0.0012	0	68.04	1.50E-05	K	FSNEEIAMATVTLR	R
										965	826.9187	1651.823	3	1651.824	-0.0011	0	65.04	3.00E-05	K	FSNEEIAMATVTLR	R
										966	551.6151	1651.823	3	1651.824	-0.0006	0	35.66	0.026	K	FSNEEIAMATVTLR	R
										967	826.9194	1651.824	3	1651.824	0.0004	0	68.67	1.10E-05	K	FSNEEIAMATVTLR	R
										973	556.9466	1667.818	3	1667.819	-0.0009	0	61.82	5.30E-05	K	FSNEEIAM@ATVTLR	R
										974	834.9164	1667.818	3	1667.819	-0.0005	0	106.99	1.70E-09	K	FSNEEIAM@ATVTLR	R
										975	556.9468	1667.818	3	1667.819	-0.0003	0	70.16	7.80E-06	K	FSNEEIAM@ATVTLR	R
										976	834.9169	1667.818	3	1667.819	0.0003	0	104.74	2.60E-09	K	FSNEEIAM@ATVTLR	R
										1037	603.6546	1807.942	3	1807.944	-0.0024	0	34.72	0.023	K	C*PLLPK@WALFYSGR	A
										1038	603.6548	1807.943	3	1807.944	-0.0018	0	41.12	0.0054	K	C*PLLPK@WALFYSGR	A
										1040	603.6552	1807.943	3	1807.944	-0.0005	0	44.95	0.0019	K	C*PLLPK@WALFYSGR	A
										1149	1044.55	2087.085	2	2087.087	-0.0021	0	71.26	4.60E-06	K	VNPK*GCVLHFLTYOK	A
										1160	1054.051	2106.088	2	2106.089	-0.0009	0	70.86	4.70E-06	K	IGEHTPS@SALAIM@ANANLVR	A
										1164	1062.049	2122.084	2	2122.084	-0.0002	0	57.6	0.00011	K	IGEHTPS@SALAIM@ANANLVR	A
										1165	708.3687	2122.084	3	2122.084	0.0001	0	72.1	3.90E-06	K	IGEHTPS@SALAIM@ANANLVR	A
										1166	708.3687	2122.084	3	2122.084	0.0001	0	60.26	6.00E-05	K	IGEHTPS@SALAIM@ANANLVR	A
										1167	708.369	2122.085	3	2122.084	0.0001	0	35.32	0.018	K	IGEHTPS@SALAIM@ANANLVR	A
										1211	1129.521	2257.027	2	2257.029	-0.002	0	146.37	9.20E-14	K	YTPSGSGSAAE@S@L@F@H@M@Y	-
										1212	1136.574	2271.133	2	2271.134	-0.0011	0	99.57	7.10E-09	K	GVVPL@NGT@T@Q@L@D@L@S@R	C
										1218	1136.574	2271.134	2	2271.134	-0.0002	0	99.57	7.00E-09	K	GVVPL@NGT@T@Q@L@D@L@S@R	C
										1220	758.0522	2271.135	2	2271.134	-0.0006	0	41.73	0.0001	K	GVVPL@NGT@T@Q@L@D@L@S@R	C
										1307	1007.506	3019.496	3	3019.496	-0.0003	0	64.82	1.10E-05	R	YASIC*Q@N@G@V@P@E@L@P@D@D@H@L@K	R
										1310	1015.19	3042.549	3	3042.551	-0.0022	0	59.41	3.20E-05	R	TVPPAV@G@V@L@S@G@S@E@E@S@L@N@I@N@K	C
										1312	1015.19	3042.55	3	3042.551	-0.0015	0	67.61	4.80E-06	R	TVPPAV@G@V@L@S@G@S@E@E@S@L@N@I@N@K	C
										1328	784.1442	3132.548	4	3132.549	-0.0009	0	58.5	4.60E-05	K	ALSDHH@V@L@E@L@L@K@P@M@V@T@P@H@C@T@Q@K	C
										1333	1059.54	3175.597	3	3175.597	-0.0002	0	81.21	2.10E-07	R	YASIC*Q@N@G@V@P@E@L@P@D@D@H@L@K	R
P70404	Isocitrate dehydrogenase (NAD) subunit	720	8	8	42758	9.17				75	402.7232	803.4318	2	803.4323	-0.0005	0	40.05	0.038	R	NAIM@AIR	R
										301	478.7921	955.5697	2	955.5702	-0.0005	0	40.22	0.0049	K	DIDLIVR	E
										785	669.8187	1337.623	2	1337.622	0.0007	0	66.2	2.50E-05	K	LDG@L@L@C@Q@R	E
										802	767.9902	1532.762	2	1532.766	-0.0001	0	42.98	0.0054	K	TS@L@N@H@H@C@	E
										1171	726.3746	2176.102	2	2176.102	-0.0002	0	36.47	0.013	R	HTV@M@I@P@D@G@P@E@L@M@L@H@V@K	K
										1287	831.7264	2492.158	3	2492.155	0.0021	0	36.74	0.0083	R	ENTE@G@Y@S@L@E@H@S@V@G@V@E@S@L@K	I
										1296	664.3004	2653.172	4	2653.172	0.0009	0	36.63	0.0053	R	HAC*V@P@D@E@V@H@S@N@A@E@E@D@R	N
										1339	1105.858	3314.552	3	3314.551	0.0012	0	82.19	1.70E-08	K	AVL@S@M@D@N@E@M@H@P@D@G@G@T@S@Q@I@D@I@R	H
39	P5776	Elongation factor 1-delta	663	17	13	31274	4.91			270	478.3181	954.6216	2	954.6226	-0.001	1	25.81	0.041	K	AKK@P@L@V@K	S
										448	536.7739	1071.533	2	1071.535	-0.0017	0	58.06	0.00019	M	#ATN@L@A@E@K	I
										449	536.774	1071.534	2	1071.535	-0.0013	0	50.79	0.0009	M	#ATN@L@A@E@K	I
										459	643.798	1085.591	2	1085.593	-0.0015	0	83.56	8.80E-07	R	Q@E@N@V@L@V@R	L
										681	643.358	1284.701	2	1284.704	-0.0024	0	49.98	0.00093	R	GV@Q@D@L@Q@A@I@K	L
										682	643.3588	1284.703	2	1284.704	-0.0008	0	79.3	1.10E-06	R	GV@Q@D@L@Q@A@I@K	L
										726	673.8336	1345.653	2	1345.655	-0.0022	0	73.16	5.20E-06	K	LQ@I@C@V@V@E@D@K	V
										753	708.3774	1414.74	2	1414.742	-0.0012	0	92.28	6.20E-08	R	IT@S@L@E@V@N@Q@L@R	G
										754	472.5874	1414.741	3	1414.742	-0.0011	0	59.25	0.00012	K	IT@S@L@E@V@N@Q@L@R	V
										758	712.3582	1422.702	2	1422.704	-0.0019	0	51.02	0.00092	R	AT@P@Q@T@H@V@S@P@M@R	O
										767	480.573	1438.697	3	1438.699	-0.0014	0	39.81	0.012	R	AT@P@Q@T@H@V@S@P@M@R	O</

								1393	669.3651	2005.074	3	2005.077	-0.0039	0	49.29	0.00039	K	ITVVGVGAVGM@AC'ASILMK	D
								1394	669.3652	2005.074	3	2005.077	-0.0035	0	33.33	0.015	K	ITVVGVGAVGM@AC'ASILMK	D
								1395	1003.544	2005.074	2	2005.077	-0.0032	0	114.24	1.20E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1396	669.3654	2005.074	3	2005.077	-0.003	0	70.18	3.30E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1397	669.3655	2005.075	3	2005.077	-0.0028	0	74.49	1.20E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1398	669.3655	2005.075	3	2005.077	-0.0028	0	68.25	5.10E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1399	1003.545	2005.075	2	2005.077	-0.0027	0	72.16	2.10E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1400	669.3657	2005.075	3	2005.077	-0.0023	0	34.45	0.012	K	ITVVGVGAVGM@AC'ASILMK	D
								1401	669.3657	2005.075	3	2005.077	-0.0021	0	75.22	1.00E-06	K	ITVVGVGAVGM@AC'ASILMK	D
								1402	1003.545	2005.075	2	2005.077	-0.002	0	102.22	2.10E-09	K	ITVVGVGAVGM@AC'ASILMK	D
								1403	669.366	2005.076	3	2005.077	-0.0013	0	88.54	5.30E-08	K	ITVVGVGAVGM@AC'ASILMK	D
								1404	1003.545	2005.076	2	2005.077	-0.0012	0	84.6	1.30E-07	K	ITVVGVGAVGM@AC'ASILMK	D
								1424	1011.543	2021.072	2	2021.072	-0.0007	0	47.51	0.00072	K	ITVVGVGAVGM@AC'ASILMK	D
								1427	1011.546	2021.072	2	2021.072	-0.0009	0	82.47	2.20E-07	K	ITVVGVGAVGM@AC'ASILMK	D
								1429	1011.546	2021.072	2	2021.072	0.0051	0	38.3	0.0047	K	ITVVGVGAVGM@AC'ASILMK	D
								1431	1011.547	2021.08	2	2021.072	0.008	0	82.45	2.10E-07	K	ITVVGVGAVGM@AC'ASILMK	D
								1432	674.7012	2021.082	3	2021.072	0.0095	0	77.27	7.10E-07	K	ITVVGVGAVGM@AC'ASILMK	D
								1502	1056.537	2111.059	2	2111.061	-0.0017	0	96.31	1.80E-08	K	GITSVWGLSVADLAESIMK	D
								1620	785.0861	2352.236	3	2352.24	-0.0035	1	47.79	0.00061	K	LKGYTSWAGLSVADLAESIMK	N
								1627	790.4178	2368.232	3	2368.235	-0.0031	1	49.72	0.00041	K	LKGYTSWAGLSVADLAESIMK	N
								1658	858.4958	2572.466	3	2572.467	-0.0013	1	37.76	0.001	K	LLVSNPVDILTYVAVKISGFFK	N
								1677	1453.749	2905.484	2	2905.49	-0.0026	0	41.93	0.0018	K	GLYGINEDVFLSVPCLLGGNSIDVVK	V
								1678	969.5029	2905.487	3	2905.49	-0.0026	0	51.93	0.0002	K	GLYGINEDVFLSVPCLLGGNSIDVVK	V
								1679	969.5034	2905.488	3	2905.49	-0.0011	0	55.08	8.10E-05	K	GLYGINEDVFLSVPCLLGGNSIDVVK	V
								1733	903.4633	3609.824	4	3609.815	0.009	0	25.06	0.043	R	LGVHALSC'HWVLEGHGDSVFPVWVGNVAVGSLK	S
46	P08249	Malate dehydrogenase, mitochondrial	895	23	16	35589	8.93	333	496.7732	991.5319	2	991.5338	-0.0019	0	41.35	0.0089	R	ANTFVAELK	G
								461	537.295	1072.576	2	1072.576	-0.0009	0	61.99	0.00012	R	IEAGTEVVK	A
								518	557.8119	1113.609	2	1113.61	-0.0011	0	63.38	6.20E-05	K	MIAEAIPELK	A
								539	565.8091	1129.604	2	1129.605	-0.0015	0	35.9	0.038	K	M@IAEAIPELK	A
								540	565.8093	1129.604	2	1129.605	-0.0013	0	49.38	0.0017	K	M@IAEAIPELK	A
								559	574.3217	1146.652	2	1146.651	-0.0021	0	67.92	3.90E-05	R	VNVPVIGGHAGK	T
								560	383.2244	1146.652	3	1146.651	0.0005	0	46.04	0.0018	R	VNVPVIGGHAGK	T
								692	617.3633	1232.712	2	1232.713	-0.0009	0	52.08	0.00028	K	IFGVTTLDIVR	A
								767	664.3389	1326.663	2	1326.664	-0.001	0	68.78	1.40E-05	R	FVFSVLDMANGK	E
								773	698.8632	1337.712	2	1337.713	-0.0008	0	75.14	3.20E-06	K	GC'DVVVIVPAGVPR	K
								777	672.3387	1342.659	2	1342.659	-0.0009	0	77.72	6.00E-06	K	FVFSVLDMANGK	E
								789	684.826	1367.637	2	1367.639	-0.0017	0	56.85	0.0002	K	EGVVE'CFVQSK	E
								795	685.8884	1369.762	2	1369.764	-0.0017	0	38.9	0.0086	K	TIPLISOC'TPK	V
								844	727.858	1453.697	2	1453.698	-0.001	0	112.69	5.70E-10	K	AGAGSATSMLAYAGAR	F
								851	735.8534	1469.692	2	1469.693	-0.001	0	91.11	7.50E-08	K	AGAGSATSMLAYAGAR	F
								886	780.9034	1559.792	2	1559.794	-0.0021	0	84.87	3.20E-07	K	VDFPDQDLATLGR	I
								887	780.9036	1559.793	2	1559.794	-0.0018	0	92	6.50E-08	K	VDFPDQDLATLGR	I
								1009	897.0485	1792.082	2	1792.082	0.0002	0	89.16	4.90E-09	R	VAVLGASGGIGQPLSLLK	N
								1010	598.3684	1792.083	2	1792.082	0.0012	0	30.61	0.0034	K	VAVLGASGGIGQPLSLLK	N
								1011	598.3685	1792.084	2	1792.082	0.0014	0	49.97	3.90E-05	R	VAVLGASGGIGQPLSLLK	N
								1012	897.0509	1792.082	2	1792.082	0.005	0	51.61	2.60E-05	R	VAVLGASGGIGQPLSLLK	N
								1257	599.0665	2392.237	4	2392.239	-0.0017	0	38.13	0.0058	R	LTYLDIAHTPGVAADLSHETR	A
								1258	798.4202	2392.239	3	2392.239	0.0002	0	72.14	2.30E-06	R	LTYLDIAHTPGVAADLSHETR	A
								1259	798.4202	2392.239	3	2392.239	0.0002	0	46.15	0.0005	K	LTVITAR	E
								143	628.3257	1054.637	2	1054.639	-0.0018	0	49.24	0.00037	K	DOLVNLVK	E
								707	624.8024	1247.59	2	1247.593	-0.0025	0	46.86	0.0021	R	VIGSGC'NLDASR	F
								1099	664.0335	1989.079	3	1989.083	-0.0038	0	47.55	0.00055	K	ITVVGVGAVGMAC'ASILMK	D
								1106	669.3635	2005.069	3	2005.077	-0.0089	0	61.03	3.20E-05	K	ITVVGVGAVGMAC'ASILMK	D
								1107	669.3635	2005.069	3	2005.077	-0.0085	0	45.32	0.0005	K	ITVVGVGAVGMAC'ASILMK	D
								442	537.2952	1072.576	2	1072.576	-0.0005	0	44.43	0.0075	R	DALNIETAVK	D
								677	611.8004	1221.586	2	1221.588	-0.0016	0	49.32	0.0015	K	TPAYDASELK	A
								706	622.8145	1243.615	2	1243.616	-0.0012	0	61.08	9.30E-05	R	TNQELEINR	V
								944	825.9886	1649.963	2	1649.972	-0.0009	0	29.91	0.0099	K	SALSGHLETIVLGLLK	E
47	P16858	Glyceraldehyde-3-phosphate dehydrog	2458	59	21	35787	8.44	721	614.3138	1226.613	2	1226.604	0.0092	0	75.07	3.60E-06	R	VVDLMAYM@ASK	E
								747	622.3058	1242.597	2	1242.599	-0.0017	0	77.51	1.50E-06	R	VVDLMAYM@ASK	E
								748	622.3062	1242.598	2	1242.599	-0.0011	0	56.25	0.00021	R	VVDLMAYM@ASK	E
								749	622.3062	1242.598	2	1242.599	-0.0011	0	65.92	2.30E-05	R	VVDLMAYM@ASK	E
								750	622.3064	1242.598	2	1242.599	-0.0006	0	66.45	2.00E-05	R	VVDLMAYM@ASK	E
								751	622.3065	1242.598	2	1242.599	-0.0005	0	40.8	0.0073	R	VVDLMAYM@ASK	E
								768	630.3033	1258.592	2	1258.594	-0.0016	0	56.17	0.00019	R	VVDLMAYM@ASK	E
								770	630.3035	1258.592	2	1258.594	-0.0014	0	54.4	0.00029	R	VVDLMAYM@ASK	E
								875	685.3747	1368.735	2	1368.736	-0.0013	0	51.12	0.00065	R	GAQNIPASTGAAK	A
								876	685.3761	1368.738	2	1368.736	0.0015	0	65.68	2.10E-05	R	GAQNIPASTGAAK	A
								881	686.8273	1371.64	2	1371.641	-0.0014	1	78.64	1.20E-06	R	VVDLMAYM@ASK	E
								895	694.8245	1387.635	2	1387.636	-0.0018	1	87.55	1.20E-07	R	VVDLMAYM@ASK	E
								896	694.8245	1387.635	2	1387.636	-0.0018	1	69.02	8.30E-05	R	VVDLMAYM@ASK	E
								990	778.9077	1555.801	2	1555.803	-0.0002	0	78.43	1.20E-06	R	VPTPNVSVLDT'C'R	L
								991	778.908	1555.801	2	1555.803	-0.0015	0	80.78	7.00E-07	R	VPTPNVSVLDT'C'R	L
								992	778.908	1555.802	2	1555.803	-0.0014	0	56.65	0.00018	R	VPTPNVSVLDT'C'R	L
								994	778.9081	1555.802	2	1555.803	-0.0011	0	96.61	1.80E-08	R	VPTPNVSVLDT'C'R	L
								1044	543.3217	1626.943	3	1626.946	-0.0024	0	43.74	0.00075	K	LVINGKPTIFQER	D
								1045	543.3223	1626.945	3	1626.946	-0.0007	0	55.23	5.30E-05	K	LVINGKPTIFQER	D
								1046	814.4799	1626.945	3	1626.946	-0.0004	0	51.42	0.00013	K	LVINGKPTIFQER	D
								1047	543.3224	1626.946	3	1626.946	-0.0002	0	58.27	2.90E-05	K	LVINGKPTIFQER	D
								1131	893.937	1778.789	2	1778.79	-0.001	0	55.42	0.00014	R	LISWYDNEYGSNR	V

						869	686.8276	1371.641	2	1371.641	-0.0007	1	81.98	5.40E-07	R	VVDLM@YMASKE	
						880	694.8245	1387.635	2	1387.636	-0.0018	1	95.84	1.70E-08	R	VVDLM@YMASKE	
						881	694.8247	1387.635	2	1387.636	-0.0015	1	65.08	2.10E-05	R	VVDLM@YMASKE	
						981	519.6075	1555.801	3	1555.803	-0.0021	0	44.27	0.003	R	VPTPNVSVDLTC'R	L
						982	778.9078	1555.802	3	1555.803	-0.0019	0	95.85	2.20E-08	R	VPTPNVSVDLTC'R	L
						984	778.9081	1555.802	3	1555.803	-0.0011	0	95.34	2.40E-08	R	VPTPNVSVDLTC'R	L
						985	778.9082	1555.802	3	1555.803	-0.001	0	91.87	5.40E-08	R	VPTPNVSVDLTC'R	L
						987	778.9084	1555.802	3	1555.803	-0.0006	0	75.13	2.60E-06	R	VPTPNVSVDLTC'R	L
						989	778.9088	1555.801	3	1555.803	0.0001	0	55.71	0.0022	R	VPTPNVSVDLTC'R	L
						1042	543.322	1626.944	3	1626.946	-0.0017	0	40.82	0.0015	R	LVINGKPTIFQER	D
						1043	543.3222	1626.945	3	1626.946	-0.0009	0	58.26	2.60E-05	R	LVINGKPTIFQER	D
						1044	814.4797	1626.945	2	1626.946	-0.0009	0	44.81	0.00058	R	LVINGKPTIFQER	D
						1045	814.4798	1626.945	2	1626.946	-0.0007	0	40.96	0.0014	R	LVINGKPTIFQER	D
						1143	890.4015	1778.789	2	1778.779	-0.0014	0	64.77	7.0E-05	R	LISWYDNEYGSNR	V
						1144	890.4017	1778.789	2	1778.779	-0.0011	0	62.91	2.50E-05	R	LISWYDNEYGSNR	V
						1145	593.937	1778.789	3	1778.779	-0.0008	0	53.21	0.00023	R	LISWYDNEYGSNR	V
						1146	890.4022	1778.779	2	1778.779	-0.0001	0	63.19	2.20E-05	R	LISWYDNEYGSNR	V
						1186	910.4547	1818.895	2	1818.897	-0.002	0	67.33	1.50E-05	R	IVSNASC'TTNC'LAPLAK	V
						1187	607.306	1818.896	3	1818.897	-0.0005	0	52.97	0.00052	R	IVSNASC'TTNC'LAPLAK	V
						1188	910.4557	1818.897	2	1818.897	0	0	77.7	1.50E-06	R	IVSNASC'TTNC'LAPLAK	V
						1349	1115.054	2228.094	2	2228.097	-0.0029	0	60.39	5.20E-05	R	VIISAPADAPM@FVM@GVNHEK	Y
						1360	1123.052	2244.09	2	2244.092	-0.0022	0	54.01	0.00022	R	VIISAPADAPM@FVM@GVNHEK	Y
						1362	749.0275	2244.091	3	2244.092	-0.0011	0	34.43	0.021	R	VIISAPADAPM@FVM@GVNHEK	Y
						1394	1146.023	2290.046	2	2290.046	-0.0004	0	111.65	3.10E-10	R	WGEAGAEVVESTGVFTTMEK	A
						1395	764.3562	2290.047	3	2290.046	0.0004	0	46.79	0.00094	R	WGEAGAEVVESTGVFTTMEK	A
						1414	1154.027	2306.039	2	2306.041	-0.0019	0	125.15	1.10E-11	R	WGEAGAEVVESTGVFTTMEK	A
						1415	769.8673	2306.04	3	2306.041	-0.0014	0	92.62	2.0E-08	R	RVIISAPADAPM@FVM@GVNHEK	A
						1455	801.0707	2400.19	3	2400.193	-0.0026	1	54.37	0.00017	R	RVIISAPADAPM@FVM@GVNHEK	A
						1480	871.1208	2610.341	3	2610.348	-0.0071	0	38.38	0.0049	R	VHDFNFVIGELM@TTVHAITATOK	T
						1481	1306.178	2610.342	2	2610.348	-0.0057	0	61.78	2.30E-05	R	VHDFNFVIGELM@TTVHAITATOK	T
						1482	653.5933	2610.344	3	2610.348	-0.0037	0	36.48	0.0067	R	VHDFNFVIGELM@TTVHAITATOK	T
						1483	653.5934	2610.344	3	2610.348	-0.0037	0	33.34	0.014	R	VHDFNFVIGELM@TTVHAITATOK	T
						1484	871.1226	2610.346	3	2610.348	-0.0016	0	65.25	1.00E-05	R	VHDFNFVIGELM@TTVHAITATOK	T
						1486	871.1229	2610.347	3	2610.348	-0.0007	0	42.71	0.0018	R	VHDFNFVIGELM@TTVHAITATOK	T
						1487	871.1232	2610.348	3	2610.348	0.0001	0	65.28	9.90E-06	R	VHDFNFVIGELM@TTVHAITATOK	T
						1488	653.5942	2610.348	3	2610.348	0.0002	0	33.77	0.014	R	VHDFNFVIGELM@TTVHAITATOK	T
						1489	871.1236	2610.349	3	2610.348	0.0014	0	62.15	2.00E-05	R	VHDFNFVIGELM@TTVHAITATOK	T
						1491	871.124	2610.35	3	2610.348	0.0025	0	56.86	7.10E-05	R	VHDFNFVIGELM@TTVHAITATOK	T
						1492	653.5952	2610.352	3	2610.348	0.0042	0	37.78	0.0051	R	VHDFNFVIGELM@TTVHAITATOK	T
						1552	1113.527	3337.56	3	3337.568	-0.0073	0	74.83	6.70E-07	R	VEIANDPFIDILNYM@VYMFQYDSTHGK	F
						1572	1011.234	4048.906	4	4048.906	0.0056	0	28.94	0.023	R	VEIANDPFIDILNYM@VYMFQYDSTHGK	F
						316	496.7735	991.5324	2	991.5338	-0.0014	0	44.88	0.0042	R	ANTFVAELK	G
						317	496.7736	991.5326	2	991.5338	-0.0013	0	60.87	0.0001	R	ANTFVAELK	G
						319	496.7738	991.5331	2	991.5338	-0.0008	0	57.16	0.00024	R	ANTFVAELK	G
						460	537.2942	1072.574	2	1072.576	-0.0025	0	43.79	0.0081	R	IEAGTEVVK	A
						461	537.2945	1072.574	2	1072.576	-0.002	0	64.69	6.55E-05	R	IEAGTEVVK	A
						463	537.2946	1072.575	2	1072.576	-0.0017	0	59.95	0.0002	R	IEAGTEVVK	A
						518	557.8118	1113.609	2	1113.61	-0.0012	0	62.88	6.90E-05	R	MIAEAIPELK	A
						519	557.8119	1113.609	2	1113.61	-0.0011	0	59.21	0.00016	R	MIAEAIPELK	A
						547	565.8094	1129.604	2	1129.605	-0.0009	0	49.34	0.0017	R	MIAEAIPELK	A
						548	565.8095	1129.605	2	1129.605	-0.0008	0	66.11	3.60E-05	R	MIAEAIPELK	A
						571	574.3319	1146.649	2	1146.651	-0.0017	0	64.78	2.80E-05	R	VNVFVIGGHAGK	T
						575	383.2244	1146.651	3	1146.651	0.0003	0	37.43	0.013	R	VNVFVIGGHAGK	T
						724	617.3632	1232.712	2	1232.713	-0.0011	0	65.42	1.30E-05	R	IFGVTTLDIVR	A
						726	617.3634	1232.712	2	1232.713	-0.0006	0	47.66	0.00077	R	IFGVTTLDIVR	A
						822	664.3394	1326.664	2	1326.664	-0.0001	0	70.62	9.00E-06	R	FVFLVDMAMNGK	E
						832	669.8637	1337.713	2	1337.713	0.0003	0	71.58	6.70E-06	R	GC'DVVPVAGPVPR	K
						838	672.3362	1342.658	2	1342.659	-0.0012	0	76.16	2.60E-06	R	FVFLVDMAMNGK	E
						857	684.8259	1367.637	3	1367.639	-0.0019	0	69.78	3.70E-06	R	EGVVECS'FVQSK	E
						858	684.8261	1367.638	3	1367.639	-0.0015	0	82.48	5.40E-07	R	EGVVECS'FVQSK	E
						866	685.889	1369.763	2	1369.764	-0.0005	0	69.28	7.80E-06	R	TIPLISOC'TPK	V
						925	727.8558	1453.697	2	1453.698	-0.0013	0	93.38	5.20E-08	R	AGAGSATLSMAYAGAR	F
						926	727.856	1453.698	2	1453.698	-0.0008	0	94.82	3.90E-08	R	AGAGSATLSMAYAGAR	F
						935	745.8526	1469.691	2	1469.693	-0.0026	0	54.94	0.0002	R	AGAGSATLSMAYAGAR	F
						937	735.853	1469.691	2	1469.693	-0.0019	0	79.04	1.20E-06	R	AGAGSATLSMAYAGAR	F
						938	735.8531	1469.692	2	1469.693	-0.0015	0	53.24	0.00047	R	AGAGSATLSMAYAGAR	F
						939	735.8532	1469.692	2	1469.693	-0.0014	0	44.13	0.0038	R	AGAGSATLSMAYAGAR	F
						948	745.3704	1489.728	2	1489.728	-0.002	0	40.49	0.009	R	GVLPQDQLT'LK	G
						949	745.3713	1489.728	2	1489.728	-0.0001	0	41.04	0.0078	R	GVLPQDQLT'LK	G
						992	780.903	1559.791	2	1559.794	-0.003	0	40.06	0.0094	R	VDFPDQQLATLGR	I
						994	780.9037	1559.793	2	1559.794	-0.0016	0	71.15	7.90E-06	R	VDFPDQQLATLGR	I
						995	780.9038	1559.793	2	1559.794	-0.0013	0	88.6	1.40E-07	R	VDFPDQQLATLGR	I
						996	780.9041	1559.794	2	1559.794	-0.0008	0	83.15	4.90E-07	R	VDFPDQQLATLGR	I
						1126	879.934	1757.854	2	1757.855	-0.0011	0	56.15	0.0021	R	ETEC'TYFSTPLLLGK	K
						1128	879.9344	1757.854	2	1757.855	-0.0004	0	68.44	1			

									798 664.3388 1326.663 2 1326.664 -0.0012 0 43.55 0.0048 R FVFSLVDAMNGK E
									799 664.3392 1326.664 2 1326.664 -0.0003 0 85.19 3.10E-07 R FVFSLVDAMNGK E
									809 669.8633 1337.712 2 1337.713 -0.0005 0 86.25 2.30E-07 K GC'DVVPVAGVPR E
									811 672.3363 1342.658 2 1342.659 -0.0011 0 61.53 7.40E-05 K FVFSLVDAMNGK E
									834 684.8257 1367.637 2 1367.639 0.0022 0 73.02 4.50E-06 K EGVV'EC'SFVQSK E
									835 684.8262 1367.638 2 1367.639 -0.0013 0 37.82 0.016 K EGVV'EC'SFVQSK E
									845 685.8889 1369.763 2 1369.764 -0.0006 0 64.05 2.60E-05 K TIIPUSOCTPK E
									920 727.856 1453.697 2 1453.698 -0.001 0 44.09 0.0041 K AGASATLSMAYAGAR F
									930 735.8526 1469.691 2 1469.693 -0.0026 0 72.72 4.30E-06 K AGASATLSMAYAGAR F
									932 735.8533 1469.692 2 1469.693 -0.0013 0 76.85 2.10E-06 K AGASATLSMAYAGAR F
									933 735.8536 1469.693 2 1469.693 -0.0005 0 64.12 3.70E-05 K AGASATLSMAYAGAR F
									934 735.8536 1469.693 2 1469.693 -0.0005 0 59.25 0.00011 K AGASATLSMAYAGAR F
									942 745.3708 1488.727 2 1488.728 -0.0012 0 35.85 0.026 K GYLQPEQLPDC'LK F
									985 780.902 1559.792 2 1559.794 -0.0049 0 87.12 2.10E-07 K VDFPQDLATLGR I
									986 780.9032 1559.792 2 1559.794 -0.0025 0 72.97 5.00E-06 K VDFPQDLATLGR I
									992 780.9038 1559.793 2 1559.794 -0.0013 0 84.87 3.40E-07 K VDFPQDLATLGR I
									993 780.9038 1559.793 2 1559.794 -0.0013 0 86.56 2.30E-07 K VDFPQDLATLGR I
									1127 879.9338 1757.853 2 1757.855 -0.0016 0 64.62 2.90E-05 K ETEC'TYFSTPLLLK K
									1129 879.9363 1757.856 2 1757.855 0.0034 0 42.4 0.0051 K ETEC'TYFSTPLLLK K
									1158 598.3674 1792.08 3 1792.082 -0.0019 0 58.35 3.60E-06 K VAVLGASGGIQLPQLLLK N
									1159 598.3676 1792.081 3 1792.082 -0.0014 0 35.66 0.00083 K VAVLGASGGIQLPQLLLK N
									1160 897.0483 1792.082 2 1792.082 -0.0001 0 115.39 1.20E-11 K VAVLGASGGIQLPQLLLK N
									1161 897.0488 1792.083 2 1792.082 0.0008 0 32.26 0.0023 K VAVLGASGGIQLPQLLLK N
									1162 897.0491 1792.084 2 1792.082 0.0014 0 100.13 3.80E-10 K VAVLGASGGIQLPQLLLK N
									1505 599.0662 2392.236 4 2392.239 -0.0029 0 40.04 0.0035 R LTYLDIAHTPGVAADLSHETR A
									1506 798.4193 2392.236 3 2392.239 -0.0027 0 87.77 5.80E-08 R LTYLDIAHTPGVAADLSHETR A
									1507 798.4193 2392.236 3 2392.239 -0.0027 0 95.27 1.00E-08 R LTYLDIAHTPGVAADLSHETR A
									1508 798.4194 2392.237 3 2392.239 -0.0022 0 38.6 0.005 R LTYLDIAHTPGVAADLSHETR A
									1510 1197.126 2392.238 2 2392.239 -0.001 0 100.52 3.40E-09 R LTYLDIAHTPGVAADLSHETR A
									363 515.8099 1029.605 2 1029.607 -0.0017 0 61.81 5.50E-05 K LTLSDALDGK N
									673 607.313 1212.611 2 1212.614 -0.0025 0 52.12 0.00063 R VTQSNFAVYQK T
									875 700.8109 1399.607 2 1399.608 0.0007 0 35.43 0.014 YQVAFATGYSKAK T
									876 700.837 1399.605 2 1399.662 -0.0026 0 34.86 0.029 K LTFDSSFSPTGK T
50	P62259	14-3-3 protein epsilon	1736	54	28	29155	4.63		223 454.2659 906.5172 2 906.5174 -0.0002 0 32.81 0.039 R NLLSVAYK N
									236 459.2687 916.5225 2 916.5229 0 38.25 0.028 R ISSIEQK E
									238 459.2689 916.523 2 916.5229 0.0003 0 48.66 0.0023 R ISSIEQK E
									336 497.2497 992.4848 2 992.4848 -0.0001 0 41.88 0.013 R QM@VETELK L
									559 566.2385 1130.462 2 1130.462 0 47.32 0.0005 R YDEM@VESMK K
									583 574.2355 1146.457 2 1146.457 -0.0008 0 47.95 0.00027 R YDEM@VESMK K
									584 574.2359 1146.457 2 1146.457 0 36.54 0 0 YDEM@VESMK K
									615 582.2325 1162.451 2 1162.452 -0.0017 0 49.6 8.80E-05 R YDEM@VESM@K K
									664 595.334 1188.653 2 1188.654 -0.0002 0 64.37 4.10E-05 K DSTLIMQLLR D
									674 597.8035 1193.592 2 1193.593 -0.0004 0 57.39 0.00027 K EAAENSLVAYK R
									705 603.311 1204.648 2 1204.649 -0.001 0 54.28 0.00052 K DSTLIMQLLR D
									706 603.314 1204.648 2 1204.649 -0.0003 0 54.42 0.00049 K DSTLIMQLLR D
									745 619.3303 1236.646 2 1236.646 -0.0003 0 37.34 0.022 K HLIPIAANTGESK V
									746 619.3304 1236.646 2 1236.646 0.0001 0 55.18 0.00037 K HLIPIAANTGESK V
									749 413.2231 1236.648 3 1236.646 0.0014 0 37.33 0.021 K HLIPIAANTGESK V
									755 626.7896 1255.583 2 1255.583 -0.0007 0 59.87 8.70E-05 R YLAEFATGNDR Y
									766 628.7889 1255.583 2 1255.583 -0.0001 0 49.21 0.00099 R YLAEFATGNDR Y
									768 420.5265 1258.558 3 1258.557 0.0004 1 32.56 0.028 R YDEM@VESMKK V
									802 645.2783 1288.542 2 1288.542 0.0001 0 53.96 0.00013 K EALQDVEDNG -
									841 661.851 1321.687 2 1321.688 -0.0004 1 58.52 0.00016 R KEAENSLSVAYK A
									860 762.8457 1393.677 2 1393.678 0.0001 0 40.44 0.0004 Y YLAEFATGNDR Y
									902 709.3801 1416.746 2 1416.746 -0.0004 1 44.89 0.0039 R ISSIEQK E
									916 724.3582 1446.702 2 1446.702 -0.0007 0 91.22 6.90E-08 R VAGMDVLTVEER N
									917 724.3584 1446.702 2 1446.702 0.0002 0 78.88 1.20E-06 K VAGMDVLTVEER N
									925 732.3554 1462.699 2 1462.697 -0.0011 0 94.42 3.30E-08 K VAGMDVLTVEER N
									926 732.3565 1462.699 2 1462.697 0.0011 0 55.69 0.00025 K VAGMDVLTVEER N
									937 738.8754 1475.736 2 1475.736 -0.0001 0 68.18 1.70E-05 K LIC'C'DILDVLDK H
									938 738.876 1475.737 2 1475.736 0.001 0 78.66 1.40E-06 K LIC'C'DILDVLDK H
									958 762.8537 1523.693 2 1523.693 0.0003 1 31.87 0.048 - #MDREDLVYQAK L
									960 762.8541 1523.694 2 1523.693 0.0011 0 40.41 0.0066 K #MDREDLVYQAK L
									966 770.8506 1539.687 2 1539.688 -0.0008 1 31.26 0.04 - #M@DREDLVYQAK L
									980 525.9392 1574.796 3 1574.797 -0.0016 1 35.12 0.032 K KVAGMDVLTVEER N
									988 796.4014 1590.786 2 1590.792 -0.0004 1 48.34 0.00015 K KVAGMDVLTVEER N
									1086 607.3165 1818.928 3 1818.93 -0.0022 0 41.63 0.0048 K AASDIAMTELPPTPIR L
									1089 607.3166 1818.928 3 1818.93 -0.0019 0 31.95 0.05 K AASDIAMTELPPTPIR L
									1090 607.3167 1818.928 3 1818.93 -0.0017 0 32.78 0.042 K AASDIAMTELPPTPIR L
									1091 607.3169 1818.929 3 1818.93 -0.0009 0 79.15 9.30E-07 K AASDIAMTELPPTPIR L
									1093 607.3171 1818.93 3 1818.93 -0.0002 0 50.66 0.00063 K AASDIAMTELPPTPIR L
									1094 610.4722 1818.93 3 1818.93 0 50.85 0.00061 K AASDIAMTELPPTPIR L
									1095 607.3182 1818.933 3 1818.93 0.0029 0 45.59 0.002 K AASDIAMTELPPTPIR L
									1104 612.6479 1834.922 3 1834.925 -0.0027 0 81.34 5.30E-07 K AASDIAM@TELPPTPIR L
									1105 612.6481 1834.922 3 1834.925 -0.0023 0 63.48 3.30E-05 K AASDIAM@TELPPTPIR L
									1106 618.4687 1834.923 3 1834.925 -0.0019 0 61.57 5.40E-05 K AASDIAM@TELPPTPIR L
									1108 612.6485 1834.924 3 1834.925 -0.001 0 69.57 8.60E-06 K AASDIAM@TELPPTPIR L
									1109 612.6486 1834.924 3 1834.925 -0.0009 0 57.69 0.00013 K AASDIAM@TELPPTPIR L
									1110 612.6486 1834.924 3 1834.925 -0.0009 0 56.83 0.00016 K AASDIAM@TELPPTPIR L
									1111 612.6486 1834.924 3 1834.925 -0.0007 0 46.39 0.00018 K AASDIAM@TELPPTPIR L
									1112 612.649 1834.925 3 1834.925 0.0004 0 55.12 0.00022 K AASDIAM@TELPPTPIR L
									1187 696.6602 2086.959 3 2086.958 0.0004 0 56.74 0.00011 K AAFDDIAELDTLSEESYK D
									1188 1044.487 2086.96 2 2086.958 0.0013 0 97.89 8.00E-09 K AAFDDIAELDTLSEESYK D
									1326 777.7382 2330.193 3 2330.195 -0.0002 0 50.26 0.0004 R LGLANFSVYVEILNSPDR A
									1327 1166.105 2330.194 2 2330.195 -0.0002 0 117.31 7.40E-11 R LGLANFSVYVEILNSPDR A
									1450 692.205 3273.592 2 3273.596 0.0046 0 86.51 0.0004 K AAFDDIAELDTLSEESYKSTLIM@QLLR D
									1451 819.4059 3273.594 4 3273.596 -0.0018 1 42.32 0.0018 K AAFDDIAELDTLSEESYKSTLIM@QLLR D
									324 494.2455 986.4764 2 986.4781 -0.0017 0 38.26 0.016 K AEGDAAALNR R
									363 507.3158 1012.617 2 1012.617 0.0002 0 41.56 0.00033 K LVILEGELK R
									411 522.2698 1042.665 2 1042.666 -0.0006 0 65.93 3.30E-05 K #AGLNSLEAVR K
									446 546.7465 1091.479 2 1091.481 -0.0002 0 47.46 0.001 K C'G'DLEELK R
									566 567.7988 1133.583 2 1133.582 0.0006 0 56.81 0.00036 K MEILEMQLK E
									573 571.3627 1140.711 2 1140.712 -0.0009 1 59.55 1.30E-05 K KVILEGELK R
									577 581.8072 1142.58 3 1142.579 0.0006 1 33.61 0.043 K AEGDAAALNR R
									589 575.953 1149.572 2 1149.577 -0.0013 0 43.79 0.0086 K MEILEMQLK E
									590 575.958 1149.577 2 1149.577 -0.0002 0 36.92 0.031 K M@EILEMQLK E
									626 583.7925 1165.571 2 1165.572 -0.0017 0 42.11 0.0086 K M@EILEM@QLK E
									634 585.3656 1168.717 2 1168.718 -0.0013 1 28.69 0.028 K LVILEGELK R
									688 600.34 1198.666 2 1198.667 -0.0014 1 55.9 0.00029 M #AGLNSLEAVR K
									689 600.3408 1198.667 2 1198.667 0 75.79 2.60E-06 M #AGLNSLEAVR K

									664	590.7986	1179.583	2	1179.585	-0.0019	0	52.69	0.00076	R	DGFDLMEK	L
									808	638.8337	1275.653	2	1275.656	-0.0029	0	64.29	5.40E-05	R	LSEIDVSTGVK	L
									1034	512.9101	1535.709	3	1535.71	-0.0018	1	31.67	0.044	R	FEEKAEDEER	K
									1035	768.8515	1535.709	2	1535.71	-0.0019	1	31.96	0.041	R	FEEKAEDEER	K
									1040	779.851	1557.847	2	1557.851	-0.003	0	58.23	3.50E-05	R	SMHVEDPDSK	K
									1045	784.8857	1567.757	2	1567.759	-0.0021	0	71.14	7.50E-06	R	ADLNQIGEPSPSR	R
									466	533.7791	1065.544	2	1065.546	-0.0018	0	47.86	0.0028	R	SAFVGLTR	V
									1021	752.8685	1503.722	2	1503.725	-0.0022	0	46.17	0.0021	K	AVLFTYDQYQEK	N
									259	459.2599	916.5052	2	916.5052	0	0	74.97	6.70E-06	K	LGENMLK	R
									270	464.7765	927.5385	2	927.5389	-0.0004	0	50.83	0.00073	K	DLQALAIK	L
									281	467.257	932.4994	2	932.5001	-0.0007	0	63.73	8.70E-05	K	LGENM@ILK	R
									282	467.2571	932.4997	2	932.5001	-0.0004	0	51.85	0.0013	K	LGENM@ILK	R
									456	532.2576	1092.921	2	1092.92	-0.001	0	46.87	0.002	K	AULETCK	L
									476	538.2465	1074.479	2	1074.48	-0.0019	0	47.65	0.0012	K	TGYSFVNC*K	K
									813	721.9157	1441.817	2	1441.814	-0.0029	1	87.36	1.10E-07	R	EGSLKDLQALAIK	K
									830	756.7933	1511.572	2	1511.572	-0.0001	0	45.81	0.00012	R	FEC*GEOEIVAEAE	-
									893	581.9334	1761.852	1	1761.853	-0.0011	0	86.35	1.90E-07	R	GLNLSSELAAGPDR	-
									894	588.2916	1761.853	1	1761.853	-0.0003	0	34.72	0.027	K	GLNLSSELAAGPDR	E
									1107	1181.091	2360.168	2	2360.168	-0.0006	0	105.44	1.40E-09	K	YGALVIC*ETPEQIANLEEVR	R
									1108	787.7299	2360.168	3	2360.168	-0.0004	0	36.74	0.011	K	YGALVIC*ETPEQIANLEEVR	R
									1129	853.4244	2557.252	3	2557.253	-0.0015	0	52.46	0.00028	K	FOOLVQVQALGTMAHC*ONLDR	L
									1131	844.3165	2573.245	2	2573.248	-0.0026	0	28.87	2.30E-05	K	FOOLVQVQALGTMAHC*ONLDR	L
									1132	858.7563	2573.247	3	2573.248	-0.0009	0	46.97	0.00079	K	FOOLVQVQALGTMAHC*ONLDR	L
									1150	917.7805	2750.32	3	2750.318	-0.0014	0	82.3	2.60E-07	R	LQGHVGM@PLVSGSLDDEPGETETR	M
									1152	923.1112	2766.312	3	2766.313	-0.0013	0	83.08	2.00E-07	R	LQGHVGM@PLVSGSLDDEPGETETR	M
									1154	945.1671	2832.475	2	2832.481	-0.0017	0	55.9	6.00E-05	K	VRGSLVYVHGTQPSLQNLVLQIK	V
									1168	968.1653	2961.474	2	2961.475	-0.0012	0	87.26	3.30E-08	K	EGLQLDQENTAVLVCN*ETDVSFR	N
									1227	1125.266	3372.776	3	3372.779	-0.0031	0	52.73	5.70E-05	R	MLQPYLLDPSLTLQVVPQGVTVDFVR	F
									407	520.7564	1039.498	2	1039.501	-0.0026	0	48.48	0.0015	K	AYDATC*LVK	A
									643	587.8963	1171.692	2	1171.693	-0.0006	0	44.49	0.0052	K	VFEALVK	C
									764	635.8	1269.585	2	1269.588	-0.0023	0	45.81	0.0024	K	AFSGYLPDESK	W
									868	699.8478	1397.681	2	1397.683	-0.0016	1	87.72	1.70E-07	K	KAFSGYLPDESK	W
									872	703.8689	1405.723	2	1405.724	-0.0009	0	35.26	0.034	R	FAVYLPQAEASK	C
									873	703.8689	1405.723	2	1405.724	-0.0008	0	44.95	0.0037	R	FAVYLPQAEASK	C
									874	703.8693	1405.724	2	1405.724	-0.0001	0	45.53	0.003	R	FAVYLPQAEASK	C
									950	804.4168	1606.819	2	1606.82	-0.0012	0	80.39	8.30E-07	R	AYSQOIDLIDQK	D
									1075	662.9935	1985.959	3	1985.964	-0.0005	0	35.57	0.017	R	MSIFGSHMGHGALIC*ALK	N
									1079	996.9869	1991.959	2	1991.96	-0.0004	0	52.12	0.00037	R	SVSFAFPC*NPVLC*SWK	K
									1088	663.3259	2001.956	2	2001.959	-0.0027	0	37.91	0.01	R	MSIFGSHMGHGALIC*ALK	K
									1203	761.7151	2282.124	3	2282.129	-0.0055	0	43.44	0.0028	K	SGYQAAASEHGLVIAPTDPSR	G
									1204	1142.071	2282.127	2	2282.129	-0.0026	0	70.7	4.90E-06	K	SGYQAAASEHGLVIAPTDPSR	G
									1205	761.7164	2282.127	3	2282.129	-0.0018	0	41.81	0.0039	K	SGYQAAASEHGLVIAPTDPSR	G
									1276	796.7167	2387.128	3	2387.129	-0.0008	0	56.12	0.0002	K	C*PALVWLSGLTC*TEQNFSK	S
									1277	1194.571	2387.128	2	2387.129	-0.0007	0	37.82	0.014	R	C*PALVWLSGLTC*TEQNFSK	S
									1310	853.7474	2558.221	3	2558.223	-0.0025	0	38.52	0.007	R	LOEGDYHSYFIATFIADHR	H
									1323	888.7092	2663.106	3	2663.109	-0.0032	0	36.85	0.0019	K	GEDDSVDFGTGAGFYVNAEDPKW	A
									1333	914.1138	2739.32	3	2739.321	-0.0019	0	33.35	0.021	R	M@YSVTEELPQLNANFPVDPDR	M
									1441	1022.245	3094.851	4	3094.858	-0.0069	0	29.69	0.021	K	AYSQOIDLIDQKDEKDFLSNGLLQPLDNFIACTEK	K
									1442	1362.659	4084.955	4	4084.958	-0.0026	1	44.61	0.00059	K	AYSQOIDLIDQKDEKDFLSNGLLQPLDNFIACTEK	K
									262	464.7399	927.4652	2	927.4661	-0.0009	0	36.15	0.031	K	VEGPEIR	W
									509	547.7769	1093.539	2	1093.54	-0.0012	0	58.9	0.00019	K	DTODILYAR	Q
									843	684.8295	1367.845	2	1367.846	-0.0011	0	79.6	1.00E-06	K	TLEDFDLGTTEK	D
									855	693.905	1385.787	2	1385.788	-0.0011	0	56.72	0.001	K	QANQVLTATSK	E
									877	709.8866	1417.759	2	1417.761	-0.0019	0	53.94	0.00043	K	IQWAEELIAFK	E
									990	870.9675	1739.921	2	1739.925	-0.0041	0	93.86	2.40E-08	K	AFGLQALDYLIDFR	D
									991	580.981	1739.921	2	1739.925	-0.0038	0	31.77	0.026	K	AFGLQALDYLIDFR	D
									992	703.8682	1739.922	2	1739.925	-0.0028	0	44.03	0.0022	K	AFGLQALDYLIDFR	D
									1007	897.3868	1792.759	2	1792.761	-0.0018	0	72.44	1.90E-06	K	VDC*AVLDC*EDGVAENK	K
									1134	717.0428	2148.107	3	2148.106	-0.0003	0	35.44	0.013	R	INSVSSGLAEVLEDTLQAR	V
									1281	801.7591	2402.256	3	2402.259	-0.0004	0	41.16	0.00033	K	IVQHPNQAIVQEOFTTPEK	I
									1282	802.4248	2404.253	3	2404.253	-0.0008	0	53.85	0.00019	K	LEOPM@NLPFVETAM@GLNFK	A
									1286	807.7561	2402.247	2	2402.248	-0.0019	0	62.87	0.00019	K	LEOPM@NLPFVETAM@GLNFK	A
									1291	813.0885	2436.244	3	2436.243	-0.0004	0	42.25	0.0024	K	LEOPM@NLPFVETAM@GLNFK	A
									1308	847.1096	2538.307	3	2538.312	-0.0048	1	52.61	0.00021	K	AFGLQALDYLIDFRDEGDLR	Q
									61	396.2366	790.4587	2	790.4589	-0.0002	0	34.34	0.037	K	SPHFSK	I
									452	522.802	1177.717	2	1177.718	-0.0012	0	47.03	0.0028	K	DTAIDRNLK	I
									654	589.865	1177.717	2	1177.718	-0.0009	0	59.49	1.90E-05	R	ALATQPLR	S
									1034	940.9612	1879.908	2	1879.91	-0.0019	0	77.79	1.30E-06	R	VNVEVQSSNTNMMVFK	T
									1035	948.9591	1895.904	2	1895.905							

								1128	683.0183	2046.033	3	2046.036	-0.0034	0	43.47	0.0028	R	YGSPYVPLNHLAYOK	Q
								1131	683.0187	2046.034	3	2046.036	-0.0019	0	35.81	0.016	R	YGSPYVPLNHLAYOK	Q
								1205	760.0179	2277.033	3	2277.037	-0.0046	0	50.28	0.00035	K	TLDVLEDVDC''C'DALSQR	L
								1206	760.0185	2277.034	3	2277.037	-0.0029	0	59.88	3.80E-05	K	TLDVLEDVDC''C'DALSQR	L
								1207	139.524	2277.034	2	2277.037	-0.0025	0	117.76	5.90E-11	K	TLDVLEDVDC''C'DALSQR	L
								1270	602.3428	2405.342	4	2405.347	-0.0052	0	33.61	0.0037	K	VFFHVGNGVSELGPIGVFK	A
								1272	802.7883	2405.343	3	2405.347	-0.004	0	52.26	4.90E-05	K	VFFHVGNGVSELGPIGVFK	A
								1273	802.7885	2405.344	3	2405.347	-0.0034	0	34.86	0.0025	K	VFFHVGNGVSELGPIGVFK	A
								1274	202.7898	2405.344	3	2405.347	-0.0027	0	59.09	1.00E-05	K	VFFHVGNGVSELGPIGVFK	A
								1275	1203.68	2405.345	2	2405.347	-0.0026	0	55.05	2.70E-05	K	VFFHVGNGVSELGPIGVFK	A
								1303	982.8381	2945.492	3	2945.499	-0.0066	0	68.06	4.80E-06	R	GEQILLSDNAASLVAQFLDM@C'NLQVVK	V
								1301	1058.874	3173.6	3	3173.603	-0.003	0	75.82	6.30E-07	M	@SLVAEAFVQIAAEPWFENATLQYGLR	G
								1328	1098.228	3261.662	3	3261.666	-0.0041	0	42.19	0.0013	K	OPTLEDLAFVGLYTLITLTTLDSELSK	V
								730	614.3138	1226.614	2	1226.614	-0.0016	0	49.49	0.0013	V	EELGQAPDLK	V
								827	665.3804	1328.746	2	1328.749	-0.0023	0	40.85	0.0053	R	LLSPSGVM@LVSAR	S
								841	673.3776	1344.741	2	1344.744	-0.0029	0	77	1.50E-06	R	LLSPSGVM@LVSAR	S
								870	704.8213	1407.628	2	1407.63	-0.0019	0	52.42	0.00035	K	SGDALVDC''GTSACK	L
								939	523.9568	1568.849	3	1568.852	-0.0035	0	81.08	5.10E-07	K	VVLAADLGTAGVQR	L
								940	785.4318	1568.849	2	1568.852	-0.0031	0	103.78	2.80E-09	K	VVLAADLGTAGVQR	L
								945	532.9565	1595.848	3	1595.852	-0.004	1	31.62	0.045	R	QLKEELGAQOPDLK	V
								946	798.9319	1595.849	2	1595.852	-0.0028	1	57.76	9.70E-05	R	QLKEELGAQOPDLK	V
								979	846.9512	1691.888	2	1691.892	-0.0038	0	51.71	0.00048	K	TVNISSL''ALOPYK	V
								980	554.9701	1691.889	3	1691.892	-0.0032	0	32.34	0.04	K	TVNISSL''ALOPYK	V
								996	868.9278	1735.841	2	1735.845	-0.004	0	100.82	7.70E-09	R	DM@LYQLAAEFPVSR	V
								997	579.6213	1735.842	3	1735.845	-0.0029	0	52.93	0.00045	R	DM@LYQLAAEFPVSR	V
								1063	933.9275	1865.84	2	1865.843	-0.003	0	85	1.50E-07	R	MEADGLG''AVC''VLTGSAR	G
								1106	865.8654	2002.972	3	2002.978	-0.0038	0	54.7	0.00025	R	VLSYAPGLNDM@QQLAR	E
								1109	1002.495	2002.975	2	2002.978	-0.0029	0	36.54	0.015	R	VLSYAPGLNDM@QQLAR	E
								913	745.3892	1488.764	2	1488.765	-0.0015	0	70.27	1.10E-05	K	LFYQPTIYYPK	R
								914	745.3897	1488.765	2	1488.765	-0.0004	0	62.47	6.00E-05	K	LFYQPTIYYPK	R
								1039	607.6742	1820.001	3	1820.004	-0.0036	0	35.91	0.0087	K	GNPSGIPDILLISTAPK	K
								1040	911.0078	1820.001	2	1820.004	-0.0034	0	67.99	5.60E-06	K	GNPSGIPDILLISTAPK	K
								1041	911.0078	1820.001	2	1820.004	-0.0034	0	68.27	5.00E-06	K	GNPSGIPDILLISTAPK	K
								1042	607.6746	1820.002	3	1820.004	-0.0023	0	44.76	0.0011	K	GNPSGIPDILLISTAPK	K
								1068	629.6791	1886.015	3	1886.02	-0.0042	0	46.64	0.00089	K	RPNKPLFTGLTCC''OK	M
								1069	472.5111	1886.016	4	1886.02	-0.0042	0	38.43	0.0059	K	RPNKPLFTGLTCC''OK	M
								1070	629.6791	1886.016	3	1886.02	-0.0041	0	54.26	0.00015	K	RPNKPLFTGLTCC''OK	M
								1112	1009.468	2016.921	2	2016.925	-0.0045	0	64.59	1.80E-05	R	YQLNPLSPYDTC''VVR	L
								1114	1009.468	2016.921	2	2016.925	-0.0041	0	48.57	0.00071	K	YQLNPLSPYDTC''VVR	L
								1233	1155.598	2309.123	2	2309.126	-0.003	0	118.34	7.00E-11	K	SPPTLVLC''GPNNGGDGLVC''AR	H
								286	458.942	930.51	2	930.512	-0.0017	0	53.61	0.0009	K	EGVVEITGK	H
								287	466.2578	930.501	2	930.5022	-0.0012	0	55.51	0.00059	K	EGVVEITGK	H
								513	538.2894	1074.564	2	1074.567	-0.0026	0	65.44	5.10E-05	R	QLSSGVSEIR	Q
								615	575.3052	1148.596	2	1148.598	-0.0019	0	57.86	0.00026	R	LFDQAFVPR	L
								648	580.8284	1159.642	2	1159.645	-0.0025	1	57.38	0.0002	K	TREGVVEITGK	H
								1021	889.4713	1796.928	2	1796.931	-0.0028	0	47.69	0.0011	K	VSLDVFHFAPELTVK	V
								1047	916.9897	1831.965	2	1831.968	-0.0032	0	30.99	0.043	K	AVTQSAEITPVTFEAR	A
								1048	611.6622	1831.965	3	1831.968	-0.0031	0	44.41	0.0019	K	AVTQSAEITPVTFEAR	A
								1049	916.9902	1831.966	2	1831.968	-0.0022	0	60.1	4.90E-05	K	AVTQSAEITPVTFEAR	A
								107	1022.546	3064.619	3	3064.622	-0.0061	0	55.26	5.10E-05	K	YTLPPGVDPVTLVSSLSPEGLTVEAPLKP	A
								1308	1022.547	3064.619	3	3064.622	-0.0034	0	29.96	0.015	K	YTLPPGVDPVTLVSSLSPEGLTVEAPLKP	A
								1324	1065.243	3192.707	3	3192.717	-0.0097	1	53.47	5.30E-05	R	KYTLPPGVDPVTLVSSLSPEGLTVEAPLKP	A
								1325	1065.246	3192.712	3	3192.717	-0.0049	1	47.57	0.00017	R	KYTLPPGVDPVTLVSSLSPEGLTVEAPLKP	A
								602	592.8993	1136.564	2	1136.565	-0.0007	0	42.5	0.0086	K	IAVA@NCH''K	K
								761	624.3918	1246.589	2	1246.59	-0.0017	0	56.36	0.0001	R	SNWNGVADSTR	I
								825	663.8393	1325.662	2	1325.665	-0.003	0	80.01	9.30E-07	R	IVGSGVTGAT''K	I
								890	486.911	1457.715	2	1457.715	-0.0039	0	34.14	0.036	R	HVFGSEDELIGQK	V
								896	733.8649	1465.715	2	1465.716	-0.0008	0	36.41	0.027	K	TATPQAGEVHEK	L
								947	801.9469	1601.878	3	1601.882	-0.0025	0	45.96	0.0013	K	VVLAAYEPVWIASTGK	V
								960	819.4122	1636.81	2	1636.813	-0.0032	0	98.67	1.30E-08	K	VTNGAFTGEISPGM@IK	D
								968	698.8782	1395.742	2	1395.747	-0.0051	0	62.69	3.90E-05	R	ALGONPTQAEVLR	A
								1154	698.3753	2092.104	3	2092.107	-0.0024	0	46.44	0.001	K	AAPAPAAAPAAAPAAPEPERK	F
								273	458.942	930.51	2	930.512	-0.0017	0	39.37	0.027	K	EGVVEITGK	C
								936	780.912	1559.81	2	1559.813	-0.0034	0	68.03	1.60E-05	K	YC''LVVUNPLDPR	F
								1090	650.2853	1947.834	3	1947.838	-0.0041	0	48.58	0.00034	R	AC''AGGANHLVDLTEGER	E
								604	592.2632	1182.512	2	1182.513	-0.0001	0	47.56	0.00099	R	WTLGFC''DER	L
								605	592.2632	1182.512	2	1182.513	-0.0009	0	35.55	0.016	R	WTLGFC''DER	L
								666	626.3557	1250.697	2	1250.698	-0.0015	0	58.54	9.10E-05	K	EGTLPALVQPR	T
								667	626.3557	1250.697	2	1250.698	-0.0015	0	44.49	0.0023	K	EGTLPALVQPR	T
								668	626.3557	1250.697	2	1250.698	-0.0015	0	49.28	0.00077	K	EGTLPALVQPR	T
								690	626.3558	1250.697	2	1250.698	-0.0012	0	39.55	0.0067	K	EGTLPALVQPR	T
								766	741.8883	1481.762	2	1481.763	-0.0006	0	93.37	4.40E-08	R	DLPAAAAPAGPASFAR	W
								767	741.889	1481.764	2	1481.763	0.0009	0	44.2	0.0033	R	DLPAAAAPAGPASFAR	W
								797	790.8795	1579.745	2	1579.745	-0.0008	0	90.75	7.00E-08	R	TGALC''WFLDEAAA	L
								804	532.2917	1593.853	3	1593.855	-0.0014	0	62.04	4.00E-05	R	FALGSLGGSLVSM@LAR	D
								805	532.2918	1593.854	3	1593.855	-0.0013	0	60.86	5.30E-05	R	FALGSLGGSLVSM@LAR	D
								806	797.9343	1593.854	2	1593.855	-0.0009	0	101.46	4.40E-09	R	FALGSLGGSLVSM@LAR	D
								807	797.9349	1593.855	2	1593.855	-0.0003	0	91.74	3.80E-08	R	FALGSLGGSLVSM@LAR	D
								808	797.935	1593.855	2	1593.855	0.0006	0	55.84	0.00015	R	FALGSLGGSLVSM@LAR	D
								814	534.6378	1600.892	2	1600.894	-0.0021	0	32.91	0.021	K	IVAPISDPKPPQPR	V
								816	534.6379	1600.892	2	1600.894	-0.0017						

P6778	Prohibitin	179	7	6	29802	5.57	1318	1010.533	3028.577	3028.576	0.001	0	29.74	0.025 K	ELASQPDVDFGLVGGASLKPFEVDINAK	Q		
							447	531.7561	1061.498	1061.499	-0.0013	0	36.11	0.029 R	QVSDLLTER	A		
							574	575.2981	1148.582	1148.583	-0.0009	0	76.42	3.50E-06 R	FDAGELWTLR	E		
							651	593.333	1184.652	1184.651	0.0001	0	56.58	0.0023 K	DLQNVNLTOR	E		
							871	800.8001	1459.646	1459.647	-0.0001	0	41.91	0.0031 R	IVTSYEDYR	V		
							1129	707.0527	2118.136	2118.136	0.0003	0	40.65	0.0026 R	AATFGLDDVSLHITLFGK	E		
							1268	593.5685	2370.245	2370.244	0.0006	0	44.27	0.0012 K	FGLALAVAGGVNSALYVNDAGHR	A		
							1269	791.0893	2370.246	2370.244	0.0016	0	36.51	0.0073 K	FGLALAVAGGVNSALYVNDAGHR	A		
							358	1.2125	1020.602	1020.564	-0.0021	0	46.22	0.0031 R	A VYRFDK	A		
							437	529.2994	1056.584	1056.586	-0.0013	0	45.03	0.0046 K	IFPFDIDK	N		
							838	698.3326	1394.651	1394.65	0.0006	0	44.78	0.0027 R	DFTFVCTTELGR	A		
62	Q8K3J1	NADH dehydrogenase [ubiquinone] iron	663	20	9	24023	5.89	201	451.2017	900.3889	-0.0001	0	31.04	0.035 R	YDIDM@TK	C		
								202	201.2918	900.981	-0.0007	0	31.76	0.037 K	YDIDM@TK	C		
								559	587.8362	1173.658	2	1173.658	-0.0002	0	53.74	0.00042 R	ILM@WTELIR	G
								588	595.8336	1189.653	2	1189.653	-0.0002	0	67.93	1.70E-05 R	ILM@WTELIR	G
								589	595.8342	1189.654	2	1189.653	0.0009	0	61.61	6.90E-05 R	ILM@WTELIR	G
								677	639.377	1256.661	2	1256.659	0.0021	0	61.93	6.80E-05 R	GLGM@TSLYFTR	E
								697	637.3339	1272.653	2	1272.654	-0.0003	0	67.76	2.00E-05 R	GLGM@TSLYFTR	E
								698	637.3341	1272.654	2	1272.654	0	80.16	1.10E-06 R	GLGM@TSLYFTR	E	
								699	637.3343	1272.654	2	1272.654	0.0004	0	61.29	8.40E-05 R	GLGM@TSLYFTR	E
								701	637.3345	1272.655	2	1272.654	0.0009	0	49.37	0.0013 R	GLGM@TSLYFTR	E
								702	637.3346	1272.655	2	1272.654	0.001	0	57.18	0.00022 R	GLGM@TSLYFTR	E
								704	637.335	1272.656	2	1272.654	0.0019	0	44.45	0.0043 R	GLGM@TSLYFTR	E
								741	654.8265	1307.639	2	1307.64	-0.0012	0	39.79	0.014 R	EPATINYPFEK	G
								743	654.8273	1307.64	2	1307.64	0.0002	0	41.02	0.0095 R	EPATINYPFEK	G
								744	654.8276	1307.641	2	1307.64	0.001	0	37.4	0.022 R	EPATINYPFEK	G
								985	1021.506	2040.997	2	2040.997	-0.0003	0	72.06	4.00E-06 R	LC'EAC'PAQAITIEAEP	A
								986	1021.506	2040.998	2	2040.997	0.0008	0	89.66	6.70E-08 K	LC'EAC'PAQAITIEAEP	A
								1213	855.1011	2562.282	3	2562.283	-0.0012	1	40.84	0.0033 R	GLGM@TSLYFREPATINYPFEK	G
								1222	670.8398	2679.33	4	2679.329	0.0008	1	39.77	0.0042 K	LLNNGDKWAEIAANIGADLYLR	-
								1223	894.1177	2679.331	4	2679.329	0.0002	1	43.41	3.70E-05 R	LLNNGDKWAEIAANIGADLYLR	-
								91	419.2129	836.4113	3	836.4102	0.0011	0	43.41	0.0045 K	LDFFPAM@K	F
								278	489.274	976.5334	2	976.5342	-0.0007	1	42.03	0.009 K	RFEELGVK	F
								280	489.2742	976.5338	2	976.5342	-0.0003	1	48.61	0.002 K	RFEELGVK	F
								289	482.8256	983.6367	2	983.6379	-0.0012	1	41.19	0.0011 R	VLGLTLQK	L
								290	482.8259	983.6373	2	983.6379	0.0006	0	76.21	3.90E-07 K	VLGLTLQK	L
								291	482.826	983.6374	2	983.6379	-0.0005	0	67.4	2.50E-06 R	VLGLTLQK	L
								292	482.8262	983.6379	2	983.6379	0	24.72	0.047 R	VLGLTLQK	L	
								685	632.8397	1263.665	2	1263.665	0.0002	0	58.7	0.00016 K	DFLQO@TLR	I
								709	640.8369	1279.659	2	1279.656	-0.0002	0	55.94	0.00032 R	DFLQO@TLR	I
								710	640.8369	1279.659	2	1279.656	-0.0002	0	56.92	0.00025 K	DFLQO@TLR	I
								711	640.8373	1279.66	2	1279.66	0.0007	0	57.92	0.00019 K	DFLQO@TLR	I
								788	698.3449	1394.675	2	1394.676	-0.0005	0	50.83	0.00082 K	FSLYFLAYEDK	N
								789	698.3459	1394.677	2	1394.676	0.0014	0	67.89	1.80E-05 K	FSLYFLAYEDK	N
								897	597.6348	1789.883	2	1789.882	0.0003	0	40.84	0.0067 R	GFHGHIWVPGYPSYACK	R
								964	981.9965	1961.978	2	1961.977	0.0009	1	32.68	0.036 K	FSLYFLAYEDKNDIPK	D
								1126	1152.088	2302.162	2	2302.163	-0.0012	0	83.73	2.00E-07 K	GLAFIDPPDGYWIELNPNK	I
								1128	1152.09	2302.165	2	2302.163	0.0013	0	97.11	9.10E-09 K	GLAFIDPPDGYWIELNPNK	I
								1235	985.4061	2896.203	2	2896.202	0.0011	0	58.25	1.10E-05 M	#AEP@PSSGLD@T@F@S@C@S@D@P@S@T@K	D
								1297	1386.958	4157.851	3	4157.85	0.0003	1	52.11	6.20E-05 M	#AEP@PSSGLD@T@F@S@C@S@D@P@S@T@K	D
								322	501.7736	1001.533	2	1001.533	-0.0002	0	54.92	0.00066 K	GQIM@DAVR	E
								338	509.7705	1017.527	2	1017.528	-0.0012	0	43.32	0.01 K	GQIM@DAVR	E
								339	509.7707	1017.527	2	1017.528	-0.0009	0	57.13	0.00042 K	GQIM@DAVR	E
								907	638.8298	1275.643	2	1275.646	-0.0002	0	35.93	0.043 K	AVYGGPSSP@K	K
								905	902.9786	1803.943	2	1803.944	-0.0013	0	66.57	1.50E-05 R	YLPD@TLLEEC@GLLR	K
								906	602.3221	1803.945	3	1803.944	0.0006	0	48.89	0.00079 R	YLPD@TLLEEC@GLLR	K
								907	902.9796	1803.945	2	1803.944	0.0006	0	84.72	2.10E-07 R	YLPD@TLLEEC@GLLR	K
								1024	731.3035	2180.889	2	2180.887	0.0012	0	48.74	9.10E-05 R	GSSSFE@C@H@S@S@Y@E@M@K	K
								1125	768.3876	2302.141	3	2302.142	-0.0005	0	42.39	0.0031 R	EYR@S@L@V@E@G@Y@S@Y@A@R	M
								1157	1165.643	2329.271	2	2329.268	0.0026	0	100.24	1.50E-09 R	GTVLLADNVVPGTDFLAVYR	G
								1241	985.8207	2954.44	3	2954.441	-0.0001	0	53.78	4.70E-06 R	LLTMEINP@Y@A@T@Q@M@L@D@F@A@G@L@Q@K	V
								1242	985.8211	2954.442	3	2954.441	0.0012	0	70.1	3.00E-06 R	LLTMEINP@Y@A@T@Q@M@L@D@F@A@G@L@Q@K	V
								1243	891.152	2970.434	2	2970.435	-0.0012	0	74.81	1.10E-06 R	LLTMEINP@Y@A@T@Q@M@L@D@F@A@G@L@Q@K	V
								506	565.8322	1129.65	2	1129.65	0.0003	0	73.18	3.80E-06 K	IFVYGGPSSGK	A
								825	499.2561	1494.747	3	1494.747	-0.0001	0	53.7	0.00041 K	YGYTHLSTGDLR	A
								831	770.3757	1538.737	2	1538.737	0.0003	0	65.46	2.80E-05 K	VDSSNGFLIDYPR	E
								838	793.8263	1585.839	2	1585.839	-0.0004	0	41.83	0.0052 K	GELVPLD@LDM@LR	D
								840	529.62	1585.838	3	1585.839	-0.0004	0	38.79	0.011 K	GELVPLD@LDM@LR	D
								841	793.8278	1585.841	2	1585.839	0.0025	0	42.93	0.0042 K	GELVPLD@LDM@LR	D
								995	1026.993	2051.972	2	2051.973	-0.0007	0	107.2	1.30E-09 R	LETY@N@T@P@V@S@F@Y@D@K	R
								1026	1097.084	2192.114	2	2192.115	-0.0006	0	86.05	1.60E-07 R	IGQP@TLL@Y@D@A@E@T@M@TOR	L
								1027	731.7125	2192.114	2	2192.115	0.0008	0	57.48	0.00011 K	IGQP@TLL@Y@D@A@E@T@M@TOR	L
								622	606.3407	1210.667	2	1210.667	-0.0001	0	43.29	0.0037 R	QIT@N@L@P@V@GR	S
63																		

									970 834.9887	1667.963	2	1667.961	0.0018	0	64.68	6.30E-06	AVQOPDGLVAVLGIK	I	
									1258 628.5505	2510.173	4	2510.173	0.0003	0	30.76	0.035	LIQFHFWGSSDGGSEHTVNK	K	
									1259 850.4016	2548.183	3	2548.183	0	0	74.61	1.30E-06	SIVNNGHSFNVEFDSQDNVALK	V	
									1265 883.5102	2647.509	3	2647.506	0.0026	1	44.91	0.00018	AVQOPDGLVAVLGIKIPASQGLK	G	
									1280 502	2835.429	3	2835.429	-0.0003	0	50.74	0.00028	QSPVDITATQHPDLPPLLSYDK	A	
									1281 964.1168	2889.329	3	2889.324	0.0047	0	67.02	5.90E-06	TUNFNEEGDAEAM@DVNWRPAQPK	N	
									396 512.253	1022.491	2	1022.492	-0.0006	0	42.62	0.0072	EFTAEVAK	Q	
									593 575.2988	1148.583	2	1148.583	0.0005	0	63.83	6.20E-05	FDAGELTQR	I	
									545 593.3328	1194.651	1	1194.651	-0.0003	0	47.16	0.021	DLONNTLR	E	
									826 466.2854	1395.834	3	1395.835	-0.0007	0	41.46	0.00095	ILFRPVASQLPR	I	
									863 730.8304	1459.646	2	1459.647	-0.0003	0	62.94	2.40E-05	ITYSIEDYDER	V	
									1091 666.7003	1997.079	3	1997.079	-0.0001	0	36.98	0.0063	AAELIANSLATAGDGLIELR	K	
									1124 707.0529	2118.137	3	2118.136	0.0008	0	48.3	0.00044	AATFGLLDVSLHTLTFGK	E	
									1246 593.6997	2370.25	2	2370.244	0.0005	0	62.34	1.93E-05	FGLLAVAGVGNVSNLYNDAGHR	G	
									991 768.4089	1534.803	2	1534.803	0.0008	0	97.91	1.30E-08	IASSAVM@GSLTIETFR	A	
									545 820.8821	1639.75	2	1639.751	-0.0015	0	37.37	0.011	EQM@SDVEGTFVQR	L	
									1010 592.0242	1773.051	3	1773.051	-0.0005	0	55.83	1.10E-05	ALALAQELPOAPVAVR	L	
									1011 857.5333	1773.052	1	1773.051	0.0009	0	57.58	6.60E-06	ALALAQELPOAPVAVR	L	
									621 581.7792	1161.544	2	1161.545	-0.001	0	43.3	0.0065	NIDALSGMEGR	K	
									638 589.7764	1177.538	2	1177.54	-0.0015	0	51.49	0.00079	NIDALSGM@EGR	K	
									726 623.3374	1244.66	2	1244.661	-0.001	0	74.5	4.60E-06	NITEIADLTOK	K	
									881 755.3729	1508.732	2	1508.733	-0.0014	0	46.94	0.0022	ISADAMM@QALLGTR	A	
									892 755.3746	1508.732	2	1508.733	0.0003	0	38.19	0.015	ISADAMM@QALLGTR	A	
									1067 953.9414	1905.868	2	1905.87	-0.0022	0	48.87	0.00064	#ADESSDAAGFOPAPAPVPR	R	
									132 420.787	839.5594	2	839.5593	0.0001	0	35.06	0.003	IVVLLQR	A	
									825 698.3981	1394.782	2	1394.781	0.0008	0	70.94	2.90E-06	NAYAVLVDLIK	N	
									846 686.8724	1411.73	1	1411.731	-0.0003	0	53.94	0.0042	EPFAP@NLNSLK	A	
									884 760.3723	1518.73	2	1518.731	-0.0015	0	51.97	0.00064	IEDGNFNGVAVQEK	V	
									1061 624.6428	1870.907	3	1870.906	0.0004	0	33.65	0.033	QLVHELDEAYEQEIR	L	
									570 565.7811	1129.548	2	1129.548	-0.0001	0	41.47	0.0076	VFOVEYAM@K	A	
									695 609.3275	1216.64	2	1216.641	-0.0008	0	87.12	2.90E-07	AVENSSTAIGR	C	
									391 510.7687	1198.61	2	1198.61	0.0002	0	62.04	0.0154	LEDLTLGLLR	R	
									673 600.3527	1198.691	2	1198.692	-0.0013	0	54.01	0.00025	GIYLLYGR	G	
									496 542.2951	1082.576	2	1082.576	-0.0004	0	46.42	0.0023	GIYLLYGR	G	
									839 478.2328	1431.692	3	1431.693	-0.0006	0	44.84	0.0031	FIQ@DASSLHVQR	K	
									271 476.2297	950.4449	2	950.4458	-0.0008	0	37.21	0.026	GGPLSDSYR	L	
									273 476.2298	950.445	2	950.4458	-0.0007	0	53.9	0.00055	GGPLSDSYR	L	
									335 498.7843	997.554	2	997.5556	-0.0016	0	53.47	0.00036	IGPASQGLK	V	
									336 498.7843	997.554	2	997.5556	-0.0016	0	72.98	4.10E-06	IGPASQGLK	V	
									337 498.7844	997.5542	2	997.5556	-0.0015	0	53.78	0.00034	IGPASQGLK	V	
									338 498.7844	997.5542	2	997.5556	-0.0014	0	40.48	0.0072	IGPASQGLK	V	
									339 498.7845	997.5544	2	997.5556	-0.0012	0	35.14	0.023	IGPASQGLK	V	
									352 502.7427	1003.471	2	1003.472	-0.0014	0	43.9	0.0043	DFPIANGDR	Q	
									361 505.3049	1008.595	2	1008.597	-0.0015	0	45.17	0.0013	VLEALHSIK	I	
									362 505.3053	1008.596	2	1008.597	-0.0015	0	38.34	0.0062	VLEALHSIK	I	
									429 522.2375	1042.46	2	1042.462	-0.0016	0	32.05	0.04	#SHHWGYSK	H	
									821 527.9436	1580.809	3	1580.81	-0.001	0	39.95	0.0074	YAAELHLHWNTK	K	
									822 527.9437	1580.809	3	1580.81	-0.0006	0	33.44	0.033	YAAELHLHWNTK	Y	
									827 527.9438	1580.81	1	1580.81	-0.0002	0	33.66	0.031	YAAELHLHWNTK	Y	
									828 791.4122	1580.81	2	1580.81	-0.0002	0	63.87	2.90E-05	YAAELHLHWNTK	Y	
									904 549.9313	1646.772	3	1646.772	-0.0003	0	36.36	0.019	EPITYSSEOMSHFR	T	
									905 824.3934	1646.772	2	1646.772	0.0001	0	65.98	2.20E-05	EPITYSSEOMSHFR	T	
									924 832.3893	1662.764	2	1662.767	-0.0032	0	67.7	1.30E-05	EPITYSSEOMSHFR	T	
									925 832.3894	1662.765	2	1662.767	-0.0018	0	41.39	0.0054	EPITYSSEOMSHFR	T	
									934 834.9874	1667.96	2	1667.961	-0.0009	0	50.05	0.00017	AVQOPDGLVAVLGIK	I	
									935 556.9943	1667.961	3	1667.961	-0.0001	0	64.49	6.40E-06	AVQOPDGLVAVLGIK	I	
									936 834.9879	1667.961	2	1667.961	0.0001	0	68.7	2.40E-06	AVQOPDGLVAVLGIK	I	
									937 834.9879	1667.961	2	1667.961	0.0002	0	31.68	0.011	AVQOPDGLVAVLGIK	I	
									938 556.9946	1667.962	3	1667.961	0.001	0	76.99	3.30E-07	AVQOPDGLVAVLGIK	I	
									939 834.9887	1667.963	2	1667.961	0.0018	0	85.35	5.40E-08	AVQOPDGLVAVLGIK	I	
									940 834.9888	1667.963	2	1667.961	0.0021	0	29.43	0.021	AVQOPDGLVAVLGIK	I	
									971 578.6426	1708.906	2	1708.905	0.0012	1	30.81	0.05	KVAAEHLHWNTK	Y	
									972 578.6426	1708.906	2	1708.905	0.0013	1	41.93	0.0039	KVAAEHLHWNTK	Y	
									1251 628.5501	2510.171	4	2510.173	-0.0016	0	32.74	0.021	LIQFHFWGSSDGGSEHTVNK	K	
									1252 628.5501	2510.171	4	2510.173	-0.0014	0	31.17	0.03	LIQFHFWGSSDGGSEHTVNK	K	
									1253 628.5505	2510.173	4	2510.173	0.0001	0	51.84	0.00026	LIQFHFWGSSDGGSEHTVNK	K	
									1255 628.5506	2510.173	4	2510.173	0.0005	0	40.98	0.003	LIQFHFWGSSDGGSEHTVNK	K	
									1256 837.732	2510.174	3	2510.173	0.0014	0	44.93	0.0014	LIQFHFWGSSDGGSEHTVNK	K	
									1257 837.7325	2510.176	3	2510.173	0.0031	0	41.27	0.003	LIQFHFWGSSDGGSEHTVNK	K	
									1269 850.4017	2548.183	3	2548.183	0.0004	0	65.11	1.20E-05	SIVNNGHSFNVEFDSQDNVALK	G	
									1270 850.4018	2548.184	3	2548.183	0.0005	0	67.13	7.30E-06	SIVNNGHSFNVEFDSQDNVALK	G	
									1291 862.833	2647.504	2	2647.506	0.0002	0	52.97	2.40E-05	AVQOPDGLVAVLGIKIPASQGLK	V	
									1290 883.5095	2647.507	3	2647.506	0.0006	1	62.64	2.50E-06	AVQOPDGLVAVLGIKIPASQGLK	V	
	</																		

						747	654.8255	1307.636	2	1307.636	0.0007	0	57.74	0.00019	K	ALTSDFEQR	K
						748	654.8256	1307.637	2	1307.636	0.0008	0	66.42	2.60E-05	K	ALTSDFEQR	K
						813	718.873	1435.732	2	1435.731	0.0009	1	76.04	2.40E-06	K	KALTSDFEQR	K
						917	855.4717	1768.929	2	1768.928	0.0009	0	81.81	4.00E-07	K	LALLSLTTGGTAEVTK	D
						925	880.9327	1779.851	2	1779.851	0	0	42.87	0.0039	R	GFAPDFPGVDSGFLK	D
						926	594.291	1779.851	3	1779.851	0.0002	0	34.32	0.026	R	GFAPDFPGVDSGFLK	G
						927	890.9329	1779.851	2	1779.851	0.0004	0	36.84	0.015	R	GFAPDFPGVDSGFLK	G
						928	890.9332	1779.852	2	1779.851	0.0011	0	53.18	0.00036	R	GFAPDFPGVDSGFLK	G
						929	595.9819	1784.924	2	1784.923	0.0006	0	57.59	0.00012	K	LALLSLTTGGTAEVTK	D
						930	893.4692	1784.924	2	1784.923	0.0008	0	97.38	1.20E-08	K	LALLSLTTGGTAEVTK	D
						931	893.47	1784.925	2	1784.923	0.0024	0	104.06	2.60E-09	K	LALLSLTTGGTAEVTK	D
						956	916.9019	1831.789	2	1831.788	0.0017	0	34.03	0.011	K	EEPIHC*PPWYFQE	-
						976	657.6676	1970.041	3	1970.039	0.0016	1	34.47	0.018	K	GLRALLSLTTGGTAEVTK	D
						978	988.5027	1974.991	2	1974.991	0.0001	0	102.23	3.80E-09	R	VLLAYEPVWAIQTGK	T
						979	659.3376	1974.991	3	1974.991	0.0013	0	67.95	1.00E-05	K	VLLAYEPVWAIQTGK	K
						980	988.5034	1974.992	2	1974.991	0.0023	0	58.12	0.0001	K	VLLAYEPVWAIQTGK	T
						1009	702.0358	2103.066	3	2103.065	0.0007	1	46.75	0.001	K	VLLAYEPVWAIQTGK	V
						1011	707.3192	2118.936	2	2118.935	0.0008	0	29.03	0.042	K	QCCTVTSVDSLYSM@NFPER	V
						1012	1060.476	2118.936	2	2118.935	0.0013	0	61.1	2.70E-05	R	QCCTVTSVDSLYSM@NFPER	A
						1149	875.7418	2624.204	3	2624.203	0.0006	0	47.05	0.00055	R	NDITGAPSNPDVFSYGIETHAYK	K
P17751	Triosephosphate isomerase	505	15	10	26696	563	569.2892	1136.564	2	1136.565	-0.001	0	50.02	0.00015	K	IAVAQNC*YK	I
						689	624.3015	1246.589	2	1246.59	-0.0017	0	57.03	0.00021	K	SNVNDGVIAQSTR	I
						765	663.897	1325.665	2	1325.665	-0.0002	0	81.1	7.10E-07	R	IYGVSGVTGATC*K	E
						766	663.897	1325.665	2	1325.665	-0.0002	0	49.48	0.0012	R	IYGVSGVTGATC*K	E
						819	486.912	1457.714	3	1457.715	-0.0008	0	41.12	0.0072	R	IYGVSGVTGATC*K	V
						820	729.865	1457.714	3	1457.715	0.0004	0	58.75	0.00011	R	HVFGSEDLIGQK	V
						824	489.5781	1465.713	3	1465.716	-0.0036	0	36.82	0.023	K	TATPQQAQEVHEK	L
						825	733.864	1465.714	2	1465.716	-0.0026	0	54.3	0.0004	K	TATPQQAQEVHEK	L
						859	534.968	1601.882	3	1601.882	0.0005	0	74.42	1.50E-06	K	VVLLAYEPVWAIQTGK	T
						860	801.9485	1601.883	2	1601.882	0.0008	0	70.31	4.10E-06	K	VVLLAYEPVWAIQTGK	T
						861	801.9485	1601.883	2	1601.882	0.0008	0	32.38	0.025	K	VVLLAYEPVWAIQTGK	T
						866	811.4155	1636.812	2	1636.818	0.0016	0	46.38	0.0022	K	VNTGAFGTGEISPGMIK	D
						872	819.4141	1636.814	2	1636.813	0.0005	0	80.93	7.60E-07	K	VNTGAFGTGEISPGMIK	D
						952	608.6615	1822.963	3	1822.961	0.0016	0	38.28	0.0075	K	VSHALAEGLGVAC*IGEK	L
						1166	1010.533	3028.577	3	3028.576	-0.0017	0	41.77	0.00015	K	ELASQPDVDFGLVGGASLKPFEVDINAK	Q
						796	704.8214	1407.628	2	1407.63	-0.0017	0	45.05	0.00019	K	SDGALVDC*GTSAGK	L
						840	523.8759	1568.852	3	1568.852	0.0002	0	33.64	0.029	K	VVLLAYEPVWAIQTGK	R
						892	846.9536	1691.893	2	1691.892	0.0009	0	34.03	0.025	K	TVNVISSC*ALQPK	G
						910	868.9298	1735.845	2	1735.845	0	0	58.41	0.00013	R	DM@LYQVLAEEFVSR	V
						951	833.9538	1865.853	3	1865.843	0.0007	0	56.11	0.00013	R	MNSGAFGTGEISPGMIK	D
						993	668.6663	2002.977	3	2002.978	-0.0011	0	33.07	0.037	R	VLSYAPGLNDM@QQLAR	E
						14	379.2323	756.45	2	756.4494	0.0007	0	38.53	0.014	R	ILVQER	L
						836	757.4299	1512.845	2	1512.845	0.0007	0	80.9	4.00E-07	R	AGVM@AALNLIQIR	H
						884	555.6572	1663.95	3	1663.951	-0.001	0	48.28	0.00028	K	INEA@VYQALINDPK	T
						885	832.9626	1663.95	3	1663.951	-0.0004	0	75.2	5.80E-07	R	INEA@VYQALINDPK	T
						1015	718.3832	2152.128	3	2152.128	0.0001	0	35.79	0.01	K	HILGFDGDAVLEAAQILR	T
						1045	517.8032	1033.592	2	1033.592	-0.0003	0	73.17	3.80E-06	R	AGVSVYGIIR	L
						968	812.8456	1623.677	2	1623.677	-0.0002	0	34.74	0.008	M	#ANEANPC*PC*DIHGK	L
						923	830.6383	178.777	3	1778.778	-0.0006	0	30.87	0.037	R	EDC@NDVPIHEAR	L
						1159	940.1677	2817.481	3	2817.48	0.0011	0	43.15	0.00083	K	NPTLFFAENDVTPLEQVSTLTQK	L
72	P17751	Triosephosphate isomerase	1287	34	12	26696	6.9										
						270	477.7451	953.4757	2	953.476	-0.0003	0	35.47	0.036	K	FFVGGNWK	M
						568	569.2895	1136.564	2	1136.565	-0.0024	0	58.51	0.0002	K	IAVAQNC*YK	V
						733	624.3024	1246.589	2	1246.59	0.0001	0	70.23	9.40E-06	K	SNVNDGVIAQSTR	V
						800	663.8398	1325.663	2	1325.665	-0.0016	0	48.28	0.0016	R	IYGVSGVTGATC*K	E
						802	663.8393	1325.664	2	1325.665	-0.0009	0	71.64	7.00E-06	R	IYGVSGVTGATC*K	E
						803	663.8393	1325.664	2	1325.665	-0.0009	0	93.7	4.30E-08	R	IYGVSGVTGATC*K	E
						894	653.9401	1325.666	3	1325.665	0.0007	0	74.31	3.50E-06	R	IYGVSGVTGATC*K	E
						889	486.9122	1457.715	3	1457.715	-0.0004	0	67.2	1.70E-05	R	HVFGSEDLIGQK	V
						890	729.8646	1457.715	3	1457.715	-0.0004	0	52.09	0.00056	R	HVFGSEDLIGQK	V
						892	729.8647	1457.715	3	1457.715	-0.0002	0	68.4	1.30E-05	R	HVFGSEDLIGQK	V
						893	486.9123	1457.715	3	1457.715	0.0001	0	39.81	0.0095	R	HVFGSEDLIGQK	V
						898	489.5789	1465.713	3	1465.716	-0.0014	0	36.11	0.029	R	TATPQQAQEVHEK	L
						901	733.8654	1465.716	2	1465.716	0.0002	0	68.48	1.60E-05	K	TATPQQAQEVHEK	L
						902	733.8655	1465.716	2	1465.716	0.0003	0	43.78	0.0046	K	TATPQQAQEVHEK	L
						948	513.9352	1538.784	3	1538.784	-0.0003	0	44.2	0.0034	K	DLGATVWVLLGHSER	R
						949	513.9354	1538.784	3	1538.784	-0.0003	0	33.7	0.04	K	DLGATVWVLLGHSER	R
						950	770.3995	1538.785	2	1538.784	0.0004	0	81.67	6.10E-08	K	DLGATVWVLLGHSER	R
						992	534.9677	1601.881	3	1601.882	-0.0006	0	78.8	6.10E-07	K	VVLLAYEPVWAIQTGK	T
						993	534.9678	1601.882	3	1601.882	-0.0002	0	54.46	0.00016	K	VVLLAYEPVWAIQTGK	T
						994	801.9486	1601.883	2	1601.882	0.0009	0	93.48	2.00E-08	K	VVLLAYEPVWAIQTGK	T
						995	801.9487	1601.883	2	1601.882	0.0011	0	30.41	0.04	K	VVLLAYEPVWAIQTGK	T
						996	801.949	1601.883	2	1601.882	0.0017	0	89.88	4.70E-08	K	VVLLAYEPVWAIQTGK	T
						1016	541.2797	1620.817	3	1620.818	-0.0008	0	39.52	0.011	K	VNTGAFGTGEISPGMIK	D
						1017	814.4171	1620.82	2	1620.818	0.0015	0	104.47	3.50E-09	K	VNTGAFGTGEISPGMIK	D
						1033	819.4134										

P14602	Heat shock protein beta-1	131	5	4	23405	6.23	830 716.9295 1431.845 2 1431.845 -0.0005 1 42.66 0.0006 K LKLSILYPATTGR N	884 771.9258 1541.837 2 1541.838 -0.0004 0 79.92 8.10E-07 R DLAILLGM@LDPEK E	1062 714.6989 2141.075 3 2141.075 -0.0008 0 40.85 0.0059 M PGGLLLDGEAPNFENTTIGR I	1063 1071.545 2141.076 2 2141.075 0.0002 0 81.83 4.50E-07 M PGGLLLDGEAPNFENTTIGR H	266 466.2592 930.519 2 930.522 0.0003 0 38.06 0.058 K EGVVETGK O	477 538.2902 1074.566 2 1074.567 -0.001 0 78.06 3.20E-06 R QLSSGVSEIR Q	574 575.3062 1148.598 2 1148.598 0 0 54.78 0.00048 R LFDQAFVGR L	999 599.9842 1796.931 3 1796.931 -0.0001 0 33.8 0.029 R VSLDVFHFAPELTVK T	1000 899.4731 1796.932 2 1796.931 0.0008 0 40.43 0.0058 R VSLDVFHFAPELTVK T																																																																						
							104 416.2582 830.519 2 830.514 0.0004 0 34.6 0.05 R VPSLLR S	270 466.2578 930.511 2 930.522 -0.0011 0 36.95 0.042 K EGVVETGK H	271 466.2578 930.511 2 930.522 -0.0011 0 55.4 0.0006 K EGVVETGK H	272 466.2578 930.511 2 930.522 -0.0009 0 60.06 0.0002 K EGVVETGK H	273 466.2581 930.517 2 930.522 -0.0005 0 60.16 0.00022 K EGVVETGK H	360 494.308 986.6014 2 986.6025 -0.0011 1 37.79 0.0085 R RVPSLLR S	393 503.2424 1004.47 2 1004.472 -0.0013 0 44.97 0.0042 R SPSWEPFR S	394 503.2425 1004.47 2 1004.472 -0.0011 0 45.67 0.0033 R D SPSWFR D	395 503.2428 1004.471 2 1004.472 -0.0005 0 45.96 0.003 R SPSWEPFR D	457 516.2379 1030.461 2 1030.462 -0.0008 0 33.44 0.023 R DWYPAHSR L	563 538.2899 1074.565 2 1074.567 -0.0018 0 58.44 0.0003 R QLSSGVSEIR Q	564 538.29 1074.565 2 1074.567 -0.0015 0 78.96 2.70E-06 R QLSSGVSEIR Q	565 538.29 1074.566 2 1074.567 -0.0014 0 67.07 4.10E-05 R QLSSGVSEIR Q	566 538.29 1074.566 2 1074.567 -0.0014 0 50.74 0.0018 R QLSSGVSEIR Q	567 538.2902 1074.566 2 1074.567 -0.0012 0 59.36 0.00023 R QLSSGVSEIR Q	568 538.2902 1074.566 2 1074.567 -0.0012 0 67.4 4.00E-05 R QLSSGVSEIR Q	569 538.2902 1074.566 2 1074.567 -0.0012 0 77.81 3.30E-06 R QLSSGVSEIR Q	618 552.7563 1103.498 2 1103.5 -0.0015 0 40.88 0.0063 R QDEHGVISR C	704 575.3057 1148.597 2 1148.598 -0.001 0 70.29 1.30E-05 R LFDQAFVGR L	705 575.3058 1148.597 2 1148.598 -0.0007 0 63.47 6.30E-05 R LFDQAFVGR L	706 575.3058 1148.597 2 1148.598 -0.0007 0 65.41 4.00E-05 R LFDQAFVGR L	707 575.3062 1148.598 2 1148.598 0 0 54.26 0.00054 R LFDQAFVGR L	743 580.8287 1159.643 2 1159.645 -0.0019 1 60.33 9.90E-05 K TRKEGVETGK H	1089 494.9224 1481.745 3 1481.747 -0.002 1 35.42 0.026 K EGVVETGKHEER Q	1165 538.9402 1613.799 3 1613.801 -0.002 1 35.16 0.029 R AQIGPEAKSEQSGAK -	1167 807.9078 1613.801 2 1613.801 0.0002 0 77.31 1.80E-06 R AQIGPEAKSEQSGAK -	1260 599.9838 1796.93 3 1796.931 -0.0012 0 35.72 0.018 K VSLDVFHFAPELTVK T	1262 599.9839 1796.93 3 1796.931 -0.0008 0 39.59 0.0077 R VSLDVFHFAPELTVK T	1263 899.4723 1796.93 2 1796.931 -0.0008 0 55.29 0.00021 R VSLDVFHFAPELTVK T	1295 916.9809 1831.967 2 1831.968 -0.0007 0 66.02 1.30E-05 K AVTQSAEITPVTFEER A	1296 916.981 1831.968 2 1831.968 -0.0004 0 80.69 4.80E-07 R AVTQSAEITPVTFEER A	1297 916.9811 1831.968 2 1831.968 -0.0002 0 68.42 7.70E-06 K AVTQSAEITPVTFEER A	1480 1022.548 3064.621 3 3064.622 -0.0014 0 49.59 0.00015 K YTLPPGVDPVTLVSSLSPEGLTVEAPLPK A	1482 1065.245 3192.714 3 3192.717 -0.0011 1 57.97 1.50E-05 R KYTLPPGVDPVTLVSSLSPEGLTVEAPLPK A	238 453.7376 905.406 2 905.407 -0.0001 0 45.52 0.0057 R NFDLIR K	427 511.2898 1020.564 2 1020.564 -0.0013 0 42.69 0.0069 R VVIFGPKD K	429 511.2892 1020.564 2 1020.564 -0.0005 0 66.43 2.70E-05 R VVIFGPKD K	518 529.2992 1056.584 2 1056.586 -0.0017 0 50.6 0.0013 K LPFFIDDK G	520 529.2998 1056.585 2 1056.586 -0.0005 0 56.55 0.00031 K LPFFIDDK G	712 575.3364 1148.659 2 1148.659 -0.0011 1 39.75 0.0073 R VVIFGPKD K	713 575.3365 1148.659 2 1148.659 -0.0008 1 47.2 0.0013 R VVIFGPKD K	715 383.8943 1148.661 3 1148.659 0.0016 1 51.05 0.00049 R VVIFGPKD K	1010 696.3322 1394.65 2 1394.65 -0.0003 0 34.47 0.031 R DFTPVCTTELGR L	1011 696.3323 1394.65 2 1394.65 0.0001 0 68.35 1.30E-05 R DFTPVCTTELGR L	1038 716.9298 1431.844 3 1431.845 -0.0005 0 42.55 0.00076 K LKLSILYPATTGR N	1039 716.9295 1431.845 2 1431.845 -0.0005 1 50.28 0.00011 K LKLSILYPATTGR N	1056 726.3352 1450.656 2 1450.658 -0.0017 0 83.83 2.50E-07 K DINAYNETPTEK L	1122 771.9255 1541.837 2 1541.838 -0.0009 0 102.97 3.90E-09 R DLAILLGM@LDPEK D	1123 771.9257 1541.837 2 1541.838 -0.0007 0 99.79 8.30E-07 R DLAILLGM@LDPEK D	1124 771.9257 1541.837 2 1541.838 -0.0006 0 38.72 0.011 R DLAILLGM@LDPEK D	1226 860.9192 1719.824 2 1719.824 0.0003 0 54.32 0.00027 K GESVM@VPTLSEEEK O	1314 616.9795 1847.917 3 1847.919 -0.002 1 44.34 0.003 K KGESVM@VPTLSEEEK O	1315 924.9662 1847.918 2 1847.919 -0.0008 0 61.48 5.70E-05 K KGESVM@VPTLSEEEK O	1387 1071.544 2141.075 2 2141.075 -0.0002 0 91.29 4.0E-05 R PGGLLLDGEAPNFENTTIGR I	1388 714.6986 2141.074 3 2141.075 -0.0013 0 50.38 0.00062 M PGGLLLDGEAPNFENTTIGR I	1389 714.699 2141.075 3 2141.075 -0.0002 0 31.89 0.045 M PGGLLLDGEAPNFENTTIGR I	1394 718.7314 2153.172 3 2153.173 -0.0009 0 50.32 0.00024 R VVDSQLQTRKVPATPVDK K	679 298.2656 501.17 2 501.17 0.0016 K IAVACN@YK A	680 569.2889 1136.653 2 1136.655 -0.0016 0 39.57 0.018 K IAVACN@YK A	896 624.3018 1246.589 2 1246.59 -0.0012 0 75.82 2.60E-06 K SNVNDGVAQSTR I	978 663.8389 1325.663 2 1325.665 -0.0018 0 89.63 1.20E-07 R IYVGSVGTATC@K E	979 663.8389 1325.663 2 1325.665 -0.0016 0 59.27 0.00013 R IYVGSVGTATC@K E	980 663.839 1325.663 2 1325.665 -0.0015 0 96.15 2.60E-06 R IYVGSVGTATC@K E	1062 486.9118 1457.714 3 1457.715 -0.0014 0 53.29 0.00043 R HVFGEDELIGQ V	1063 729.8645 1457.715 3 1457.715 -0.0006 0 72.03 5.80E-06 R HVFGEDELIGQ V	1072 489.5789 1465.716 3 1465.716 -0.0012 0 48.04 0.0018 K TATPQQAQVEHK L	1073 733.8511 1465.716 3 1465.716 -0.0004 0 65.39 3.40E-05 K TATPQQAQVEHK L	1117 513.9349 1538.783 3 1538.784 -0.0014 0 35.67 0.027 K DLGATVWVGHSEER R	1118 770.3994 1538.784 2 1538.784 0.0001 0 87.16 1.80E-07 R DLGATVWVGHSEER R	1152 534.9674 1601.88 3 1601.882 -0.0013 0 33.43 0.022 K VVLAPEVPPVAIGTK T	1153 801.9476 1601.881 2 1601.882 -0.001 0 54.42 0.00017 K VVLAPEVPPVAIGTK T	1154 801.9482 1601.882 2 1601.882 0.0001 0 67.07 8.60E-06 K VVLAPEVPPVAIGTK T	1180 819.4135 1636.812 2 1636.813 -0.0007 0 82.82 5.10E-07 K VTNGAFTGEISPGM@IK D	1181 546.6115 1636.813 3 1636.813 -0.0004 0 56.29 0.00023 K VTNGAFTGEISPGM@IK D	107 417.2216 832.4287 2 832.429 -0.0003 0 41.08 0.011 R SVEETLR E	426 112.2689 1020.523 2 1020.524 -0.0008 0 68.37 0.0012 K GTAYNGEKF E	948 603.8328 1205.651 2 1205.652 -0.0004 0 52.15 0.00066 K HSLVNDPVRG R	929 636.3711 1270.728 2 1270.729 -0.0009 0 35.37 0.019 R GLFIDPNGVK H	1085 738.9063 1475.798 2 1475.798 -0.0003 0 88.23 1.10E-07 R DYGVLLESAGLRL G
							175 426.2075 850.4005 2 850.4007 -0.0002 0 36.83 0.037 K IFPM@GDR L	268 446.7605 891.5064 2 891.5065 -0.0001 0 44.94 0.0032 R LNLVEL E	269 446.7606 891.5066 2 891.5065 0.0001 0 34.51 0.036 R LNLVEL E	270 446.7607 891.5069 2 891.5065 0.0004 0 44.6 0.0033 R LNLVEL E	393 495.2445 989.4745 2 989.476 -0.0015 0 57.8 0.00027 K NCVIAADR D	652 382.528 1144.571 3 1144.571 0.0005 1 35.57 0.039 R NCVIAADR D	953 759.3435 1516.673 2 1516.672 0.0001 0 35.47 0.015 M #S@SYNGGAVMAMK G	959 767.3411 1532.668 2 1532.667 0.0003 0 59.14 5.30E-05 M #S@SYNGGAVM@AMK G	960 767.3412 1532.668 2 1532.667 0.0006 0 44.09 0.0018 M #S@SYNGGAVM@AMK G	881 767.3416 1532.669 2 1532.667 0.0013 0 71.69 0.0006 M #S@SYNGGAVM@AMK G	972 775.3373 1548.66 2 1548.662 -0.0022 0 75.5 7.80E-07 M #S@SYNGGAVM@AM@K G	973 775.338 1548.662 2 1548.662 -0.0007 0 35.35 0.0094 M #S@SYNGGAVM@AM@K G	977 777.4208 1552.827 2 1552.828 -0.0013 0 84.27 2.70E-07 R DAVSGM@VIVHVEK D	984 523.9481 1568.823 3 1568.823 -0.0007 0 32.28 0.047 R DAVSGM@VIVHVEK D	985 745.4187 1568.823 2 1568.823 -0.0004 0 66.83 1.70E-05 R DAVSGM@VIVHVEK D	1003 807.4033 1612.792 2 1612.792 0 0 88.33 1.40E-07 R FGIAQAM@VTTDFQK I	1007 543.9356 1628.785 3 1628.787 -0.0019 0 33.09 0.046 R FGIAQAM@VTTDFQK I	1008 815.3999 1628.785 2 1628.787 -0.0016 0 69.63 1.00E-05 R FGIAQAM@VTTDFQK I	1009 815.4003 1628.786 2 1628.787 -0.0006 0 70.38 0.0096 R FGIAQAM@VTTDFQK I	1047 589.6375 1765.891 3 1765.893 -0.002 0 39.05 0.0096 R FGPYTPEVIAGLDPK T	1049 883.9532 1765.892 2 1765.893 -0.0009 0 47.42 0.0014 R FGPYTPEVIAGLDPK T	1050 883.9535 1765.892 2 1765.893 -0.0003 0 45.02 0.0023 R FGPYTPEVIAGLDPK T	1058 595.9696 1784.887 3 1784.888 -0.001 1 43.4 0.0036 R RFQIAGM@VTTDFQK I	1094 630.3538 1888.04 2 1888.042 -0.0024 0 33.75 0.01 R LVYGLAGLATDQVTAOR L	1095 945.0281 1888.042 2 1888.042 -0.0002 0 116.37 5.80E-11 R LVYGLAGLATDQVTAOR L	1096 630.3547 1888.042 3 1888.042 0.0006 0 82.77 1.20E-07 R LVYGLAGLATDQVTAOR L	1146 725.3789 2173.115 3 2173.116 -0.0014 0 42.54 0.0028 R QIKPYTLM@SM@VANLLEYK R	1147 725.3792 2173.116 3 2173.116 -0.0006 0 35.47 0.014 R QIKPYTLM@SM@VANLLEYK R																																																			
							13 378.237 754.4594 2 754.4589 0.0005 1 31.71 0.027 K APLVKD -	14 378.2371 754.4596 2 754.4589 0.0008 1 35.12 0.012 K APLVKD -	96 408.2531 874.4917 2 874.4913 0.0004 0 35.37 0.039 K VTVAGLAGK D	213 437.7533 873.4922 2 873.492 0 0 47.21 0.0095 R DGLLTSR D	214 437.7534 873.4923 2 873.492 0.0004 0 64.42 7.90E-05 K DGLLTSR G	763 566.303 1130.591 2 1130.593 -0.0017 1 47.39 0.0031 K EILKEQESR K	764 566.3031 1130.592 2 1130.593 -0.0015 1 57.28 0.03 K EILKEQESR K	905 592.8714 1183.728 2 1183.729 -0.0006 1 39.26 2.60E-05 R AKIGTVAGLAGK K	906 595.8537 1183.729 3 1183.729 0.0004 0 35.57 0.064 R AKIGTVAGLAGK K	1014 615.8555 1229.696 2 1229.698 -0.0016 1 43.49 0.0037 R KEKDGLLTSR G	1015 410.9073 1229.7 3 1229.698 0.002 1 39.98 0.0069 R KEKDGLLTSR G	1288 516.8774 1547.611 3 1547.613 -0.0028 0 39.93 0.00093 K MMINGSHYSYSESR V	1281 782.8105 1553.607 2 1553.608 0.0017 0 79.01 1.10E-07 M M@M@NGSHYSYSESR V	1292 527.5408 1579.601 3 1579.603 -0.0025 0 39.21 0.00047 K M@M@NGSHYSYSESR V	1293 790.8081 1579.602 2 1579.603 -0.0015 0 39.94 0.00047 K M@M@NGSHYSYSESR V	1298 797.36 1592.706 2 1592.706 -0.0007 0 63.32 2.40E-05 R DVMIC@PDTSEDAK T	1301 797.3616 1592.709 2 1592.706 0.0025 0 33.92 0.021 R DVMIC@PDTSEDAK T	1306 805.373 1608.701 2 1608.701 0.0011 0 52.32 0.00008 R DVMIC@PDTSEDAK T	1307 805.3576 1608.701 2 1608.701 -0.0005 0 59.45 4.70E-05 R DVMIC@PDTSEDAK T	1309 805.3581 1608.702 2 1608.701 0.0005 0 57.59 6.90E-05 R DVMIC@PDTSEDAK T	1331 553.2936 1656.859 3 1656.862 -0.0027 0 57.77 0.00012 K VTVAGLAGKDPVOC@SR D	1332 553.2937 1656.859 2 1656.862 -0.0025 0 77.81 1.20E-06 M VTVAGLAGKDPVOC@SR D	1333 829.4371 1656.86 2 1656.862 -0.0022 1 93.02 3.70E-08 K VTVAGLAGKDPVOC@SR D	1334 553.2941 1656.861 3 1656.862 -0.0012 1 48.32 0.0011 K VTVAGLAGKDPVOC@SR D	1345 838.4047 1674.795 2 1674.796 -0.0009 0 54.54 0.00028 R GAEMEM@ETVIVPDM@RR R	1356 846.4023 1690.79 2 1690.791 -0.0006 0 68.44 1.10E-05 R GAEMEM@ETVIVPDM@RR R	1357 846.403 1690.791 2 1690.791 0.0008 0 85.86 1.80E-07 R GAEMEM@ETVIVPDM@RR R	1363 854.3994 1706.784 2 1706.786 -0.0012 0 66.31 1.60E-05 R GAEMEM@ETVIVPDM@RR R	1435 616.6373 1846.89 3 1846.892 -0.0016 1 34.18 0.028 K GAEMEM@ETVIVPDM@RR A	1448 621.9888 1862.884 3 1862.887 -0.0022 1 39.59 0.0078 K GAEMEM@ETVIVPDM@RR A	1448 636.0131 1905.017 2 1905.025 -0.0074 0 76.49 8.90E-07 R GPGTSEFFAL@VEAL@V@K D	1449 953.5179 1905.021 2 1905.025 -0.0034 0 90.49 3.30E-08 R GPGTSEFFAL@VEAL@V@K D	1612 776.0729 2325.197 3 2325.197 -0.0005 0 53.24 0.00019 K GLAIAIC@GPTALLA@H@V@G@C@K V	1613 776.0732 2325.198 3 2325.197 0.0004 0 71.03 3.30E-06 K GLAIAIC@GPTALLA@H@V@G@C@K V	1614 1163.608 2325.202 2 2325.197 0.0004 0 104.48 1.40E-09 K GLAIAIC@GPTALLA@H@V@G@C@K V	1656 814.33 2453.291 4 2453.292 -0.0013 1 31.14 0.0001 K KGLAIAIC@GPTALLA@H@V@G@C@K V	1657 818.772 2453.292 3 2453.292 -0.0006 0 98.76 3.80E-09 R KGLAIAIC@GPTALLA@H@V@G@C@K V	1658 818.7722 2453.295 3 2453.292 0.0025 1 86.6 6.60E-08 R KGLAIAIC@GPTALLA@H@V@G@C@K V	1659 614.3314 2453.296 4 2453.292 0.0004 1 31.19 0.016 R KGLAIAIC@GPTALLA@H@V@G@C@K V	1660 818.7737 2453.299 2 2453.292 0.0069 0 29.97 0.025 R KGLAIAIC@GPTALLA@H@V@G@C@K V	1686 903.4698 2707.388 3 2707.389 -0.0016 1 52.01 0.0002 R GPGTSEFFAL@VEAL@V@K@M@AN@V@K A	1687 903.4705 2707.39 3 2707.389 0.0006 1 48.39 0.00042 R GPGTSEFFAL@VEAL@V@K@M@AN@V@K A	1690 933.741 2769.401 3 2769.401 0.0004 0 66.49 7.20E-06 K TQGPYD@V@V@L@P@G@N@L@G@A@N@L@S@E@S@P@M@V@K E	1694 1924.104 2785.392 2 2785.396 -0.0032 0 42.75 0.0016 K TQGPYD@V@V@L@P@G@N@L@G@A@N@L@S@E@S@P@M@V@K E																																			

Q9RLP6	GrpE protein homolog 1, mitochondrial	284	9	9	24292	8.58	1695	929.4724	2785.935	3	2785.936	-0.0003	0	56.49	7.70E-05	K	TGGPYDVLVPLGGNLAGNLSSEPM@VK	E	
							404	493.7842	985.5538	2	985.5556	-0.0018	1	46.94	0.0031	K	AKLEQLR	E	
							439	501.7639	1001.513	2	1001.514	-0.0009	0	55.21	0.0005	R	ALADTEHLR	O	
							638	543.2757	1084.537	2	1084.538	-0.0007	0	45.75	0.0032	K	LYVGGFCFK	D	
							827	578.6759	1151.737	2	1151.739	-0.0019	0	29.45	0.0056	R	TLRPLVGVYVK	O	
							1068	629.35	1256.686	2	1256.686	-0.0008	0	82.08	6.30E-07	K	DLEVLADILEK	A	
							1118	647.8221	1293.63	2	1293.631	-0.0017	0	45.8	0.0037	K	EEISNNPHLK	S	
							1394	877.4554	1752.896	2	1752.897	-0.0006	0	92.98	3.40E-08	K	SLVEGLVM@TEVIOIK	E	
							1433	933.3554	1838.784	2	1838.785	-0.0009	0	46.17	0.0064	K	NWNSLDELGHCFK	E	
							1474	672.6548	2014.943	3	2014.943	0	0	30.99	0.042	K	FDPYHEALHPTPEVK	E	
							577	530.2874	1058.56	2	1058.561	-0.0005	0	53.01	0.00096	K	NEELNSLK	Y	
							773	568.7718	1135.529	2	1135.53	-0.0007	0	58.45	0.00018	R	NDAIWNFEK	F	
							830	578.3293	1154.644	2	1154.645	-0.0007	0	43.04	0.0034	K	FLVGPDPVPR	R	
							831	738.3297	1154.645	2	1154.645	-0.0001	0	51.12	0.00053	K	FLVGGVGVYK	R	
							1066	628.7764	1255.538	2	1255.539	-0.0009	0	32.83	0.026	R	DYTEMNDLQK	R	
1092	636.7736	1271.533	2	1271.534	-0.0014	0	37.45	0.0059	R	DYTEM@NDLQK	R								
1444	942.456	1882.897	2	1882.898	-0.0008	0	51.17	0.00053	R	NALPTPSDDPTALMTDPK	Y								
1447	950.4537	1898.893	2	1898.893	-0.0004	0	51.63	0.00046	R	NALPTPSDDPTALMTDPK	Y								
1496	1030.506	2058.997	2	2058.996	0.001	0	76.33	1.50E-06	R	TIDEPDTELLSQSSGNS	-								
1247	499.2559	1494.746	3	1494.747	-0.0009	0	49.23	0.00094	K	IFPVVGGVSGK	G								
1259	770.3748	1538.735	2	1538.737	-0.0014	0	81.21	7.90E-07	K	YGYYTLSTGDLLR	A								
1296	793.9268	1585.839	2	1585.839	-0.0005	0	73.76	3.10E-06	K	VDSSNGFLIDGIVPR	E								
1679	859.0912	2574.252	3	2574.252	-0.0004	1	40.53	0.0037	R	GELVPLDTL@MLR	D								
77	P17751	Triosephosphate isomerase	2707	74	21	26696	6.9	115	425.7388	849.459	2	849.4596	-0.0006	0	42.55	0.0085	K	VVEFQTK	V
								417	475.3742	849.459	2	849.4596	-0.0003	0	41.83	0.0003	K	VVEFQTK	V
								248	477.4525	953.4758	2	953.476	-0.0001	0	47.85	0.0021	K	FFVGGNWK	M
								459	541.7925	1081.571	2	1081.571	-0.0004	1	33.78	0.041	R	KFFVGGNWK	M
								551	569.289	1136.564	2	1136.565	-0.0014	0	52.39	0.00093	K	IAVAQNC@YK	V
								552	569.2891	1136.564	2	1136.565	-0.0012	0	49.06	0.002	K	IAVAQNC@YK	V
								553	569.2891	1136.564	2	1136.565	-0.0012	0	43.01	0.008	K	IAVAQNC@YK	V
								556	569.2896	1136.565	2	1136.565	-0.0001	0	52.16	0.00086	K	IAVAQNC@YK	V
								733	624.3011	1246.588	2	1246.59	-0.0025	0	66.83	2.00E-05	K	SNVNDGVAQSTR	I
								734	624.3018	1246.589	2	1246.59	-0.0015	0	66.53	2.30E-05	K	SNVNDGVAQSTR	I
								735	624.3021	1246.59	2	1246.59	-0.0006	0	55.72	0.00028	K	SNVNDGVAQSTR	I
								736	624.3022	1246.59	2	1246.59	-0.0003	0	50.86	0.00084	K	SNVNDGVAQSTR	I
								777	637.8402	1273.666	2	1273.667	-0.0008	1	52.99	0.00067	K	VIADNKDWSK	I
								841	663.839	1325.663	2	1325.665	-0.0015	0	73.26	5.00E-06	R	IYGGVGTGAT@K	E
								842	663.8394	1325.664	2	1325.665	-0.0008	0	77.87	1.70E-06	R	IYGGVGTGAT@K	E
844	663.8394	1325.664	2	1325.665	-0.0007	0	86.28	2.40E-07	R	IYGGVGTGAT@K	E								
845	663.8394	1325.664	2	1325.665	-0.0007	0	78.52	1.40E-06	R	IYGGVGTGAT@K	E								
846	442.8954	1325.664	3	1325.665	-0.0006	0	34.61	0.035	R	IYGGVGTGAT@K	E								
847	663.8395	1325.665	2	1325.665	-0.0004	0	90.72	8.70E-08	R	IYGGVGTGAT@K	E								
848	663.8397	1325.665	2	1325.665	-0.0002	0	89.62	1.40E-07	R	IYGGVGTGAT@K	E								
851	663.8398	1325.665	2	1325.665	-0.0002	0	64.76	3.30E-06	R	IYGGVGTGAT@K	E								
852	663.8399	1325.665	2	1325.665	0.0003	0	103.62	4.20E-09	R	IYGGVGTGAT@K	E								
853	663.8403	1325.666	2	1325.665	0.001	0	61.11	7.20E-05	R	IYGGVGTGAT@K	E								
972	486.912	1457.714	3	1457.715	-0.0009	0	52.55	0.00052	R	HVFGSELDLQK	V								
974	729.8646	1457.715	2	1457.715	-0.0004	0	58.04	0.00014	R	HVFGSELDLQK	V								
975	729.8646	1457.715	2	1457.715	-0.0004	0	70.46	8.10E-06	R	HVFGSELDLQK	V								
979	729.8653	1457.716	2	1457.715	0.001	0	69.62	9.10E-06	R	HVFGSELDLQK	V								
985	733.8638	1465.713	2	1465.716	-0.003	0	66.56	2.30E-05	K	TATPQQAQVEHEK	L								
991	733.8647	1465.715	2	1465.716	-0.0013	0	45.22	0.0035	K	TATPQQAQVEHEK	L								
993	733.8647	1465.715	2	1465.716	-0.0013	0	63.69	4.90E-05	K	TATPQQAQVEHEK	L								
995	733.8651	1465.716	2	1465.716	-0.0004	0	54.14	0.00045	K	TATPQQAQVEHEK	L								
996	733.8653	1465.716	2	1465.716	-0.0001	0	35.83	0.029	K	TATPQQAQVEHEK	L								
1079	513.935	1538.783	3	1538.784	-0.001	0	36.55	0.021	K	DLGATWVVLGHSEK	R								
1080	513.9351	1538.783	3	1538.784	-0.0008	0	60.2	8.90E-05	K	DLGATWVVLGHSEK	R								
1081	770.399	1538.783	3	1538.784	-0.0007	0	79.36	1.10E-06	K	DLGATWVVLGHSEK	R								
1082	513.9351	1538.784	3	1538.784	-0.0006	0	48.09	0.0014	K	DLGATWVVLGHSEK	R								
1083	513.9352	1538.784	3	1538.784	-0.0004	0	42.92	0.0047	K	DLGATWVVLGHSEK	R								
1084	770.3992	1538.784	3	1538.784	-0.0002	0	90.1	8.80E-08	K	DLGATWVVLGHSEK	R								
1144	533.6242	1598.891	3	1598.893	-0.0016	0	33.61	0.019	K	VVLYEPVWIAIGTK	T								
1148	534.9673	1601.88	3	1601.882	-0.0015	0	53.19	0.00024	K	VVLYEPVWIAIGTK	T								
1150	534.9677	1601.881	3	1601.882	-0.0004	0	76.12	1.10E-06	K	VVLYEPVWIAIGTK	T								
1151	534.9678	1601.882	3	1601.882	-0.0002	0	34.76	0.015	K	VVLYEPVWIAIGTK	T								
1153	801.9483	1601.882	3	1601.882	0.0003	0	94.66	1.40E-08	K	VVLYEPVWIAIGTK	T								
1154	801.9484	1601.882	3	1601.882	0.0004	0	96.2	9.00E-09	K	VVLYEPVWIAIGTK	T								
1155	801.9489	1601.883	3	1601.882	0.0014	0	96.37	1.00E-08	K	VVLYEPVWIAIGTK	T								
1169	538.945	1613.813	3	1613.816	-0.003	1	64.04	3.30E-05	R	RHVFGSELDLQK	V								
1170	538.945	1613.813	3	1613.816	-0.003	1	45.64	0.0023	R	RHVFGSELDLQK	V								
1171	538.9454	1613.815	3	1613.816	-0.001	0	46.79	0.002	R	RHVFGSELDLQK	V								
1172	538.9456	1613.815	3	1613.816	-0.0011	1	38.33	0.013	R	RHVFGSELDLQK	V								
1197	541.2799	1620.818	3	1620.818	-0.0003	0	41	0.0075	K	VTNGAFTGEISPGMK	D								
1198	811.4163	1620.818	3	1620.818	-0.0001	0	65.56	2.60E-05	K	VTNGAFTGEISPGMK	D								
1199	811.4166	1620.818	3	1620.818	0.0004	0	93.09	4.50E-08	K	VTNGAFTGEISPGMK	D								
1223	819.4135	1636.812	3	1636.813	-0.0007	0	41.51	0.0069	K	VTNGAFTGEISPGMK@IK	D								
1224	819.4135	1636.812	3	1636.813	-0.0006	0	93.68	4.30E-08	K	VTNGAFTGEISPGMK@IK	D								
1225	546.6116	1636.813	3	1636.813	-0.0002	0	83.55	4.40E-07	K	VTNGAFTGEISPGMK@IK	D								
1226	819.4144	1636.814	3	1636.813	0.0011	0	71.41	6.60E-06	K	VTNGAFTGEISPGMK@IK	D								
1300	565.9686	1694.884	3	1694.885	-0.0012	0	31.87	0.043	K	DLGATWVVLGHSEK	H								
1341	434.7325	1734.901	4	1734.901	-0.0003	1	47.75	0.0013	K	TATPQQAQVEHEKLR	G								
1440	912.4872	1822.96	2	1822.961	-0.0013	0	97.7	9.60E-09	K	VSHALAEGLGIAC@I@GEK	L								
1441	608.6607	1822.96	3	1822.961	-0.0008	0	34.92	0.018	K	VSHALAEGLGIAC@I@GEK	L								
1442	608.6608	1822.961	3	1822.961	-0.0004	0	45.62	0.0015	K	VSHALAEGLGIAC@I@GEK	L								
1444	912.4878	1822.961	2	1822.961	-0.0001	0	100.52	4.70E-02	K	VSHALAEGLGIAC@I@GEK	L								
1445	608.661	1822.961	3	1822.961	0.0001	0	38.73	0.0072	K	VSHALAEGLGIAC@I@GEK	L								
1658	585.0598	2336.21	4	2336.216	-0.0056	1	32.78	0.019	K	VSHALAEGLGIAC@I@GKELDER	E								
1720	1010.533	3028.576	3	3028.576	-0.0027	0	46.99	0.00045	K	ELASQPDVDGFLVGGASLKPFEVDINAK	O								
1722	1010.533	3028.576	3	3028.576	-0.0009	0	39.16	0.0029	K	ELASQPDVDGFLVGGASLKPFEVDINAK	O								
1723	758.1512	3028.576	4	3028.576	-0.0001	0	54.1	9.20E-05	K	ELASQPDVDGFLVGGASLKP									

P15626	Glutathione S-transferase Mu 2	310	10	9	25700	6.9	1010	730.886	2189.036	2189.034	0.0017	0	71.34	3.90E-06	NVVSQFVSM@SASADVLAM@SK	I	
							367	508.298	1014.582	1014.582	-0.0007	0	87.96	2.30E-07	ITQSNAILR	I	
							368	508.298	1014.582	1014.582	-0.0008	0	60.06	0.0011	ITQSNAILR	Y	
							438	525.821	1049.627	1049.627	0.0001	0	31.76	0.018	FLSKPFAK	Y	
							753	652.266	1302.518	1302.519	-0.0003	0	53.89	6.70E-05	YTM@GDAPDYDR	M	
							770	660.2636	1318.513	1318.514	-0.0009	0	45.79	0.0002	YTM@GDAPDYDR	S	
							806	702.8431	1403.672	1403.672	0.0001	0	68.45	1.30E-05	VDILENGAMDR	I	
							863	795.3825	1588.751	1588.751	-0.0003	0	45.2	0.0025	LLLEVTDTSYEDK	K	
							892	563.8578	1038.852	1038.852	0.0001	0	33.95	0.038	RVID@VAMDR	I	
							905	858.9031	1715.792	1715.79	0.0017	0	74.58	2.10E-06	IQLAM@VC@YSPDFEK	K	
							963	633.6722	1897.935	1897.994	0.0011	0	32.2	0.032	LGLDFPNLPLYDGSKH	I	
							232	447.7738	893.5331	893.5334	-0.0004	0	49.15	0.00034	VIGIDHK	E	
							500	553.7608	1105.507	1105.507	-0.0003	0	39.67	0.013	DDPM@LLSSGR	I	
							619	590.8054	1170.596	1170.596	0.0004	0	46.02	0.0032	VFEV@LATDR	S	
							648	598.8028	1195.591	1195.591	0.0003	0	68.77	1.40E-05	VFEV@LATDR	S	
691	616.8223	1231.631	1231.63	0.0004	0	57.93	0.00024	ELVDSDITNVK	K								
836	493.255	1476.743	1476.743	-0.0002	0	42.32	0.007	SGGASHSELIHLNLF	K								
894	517.9309	1033.947	1033.946	0.0015	0	73.43	4.30E-06	ALDVGSSGILTAC@FAR	M								
916	579.6495	1325.927	1325.925	0.0015	0	31.05	0.044	M@KPLM@GVIVPLTDK	E								
1000	1030.03	2058.046	2058.046	0.0002	0	85.83	1.40E-07	LILPVG@PAGGNOM@LEQYDK	L								
668	606.3041	1210.594	1210.594	-0.0005	0	75.11	4.20E-06	LQDVTDHHR	M								
669	404.5388	1210.594	1210.594	-0.0002	0	48.85	0.0017	LQDVTDHHR	M								
924	586.3148	1755.925	1755.927	-0.0002	0	55.95	0.00017	LPSEGGPQPAHV@VGDVR	O								
925	878.9713	1755.928	1755.927	0.0013	0	56.35	0.00015	LPSEGGPQPAHV@VGDVR	O								
1073	767.9834	2300.928	2300.928	0.0003	0	35.05	0.0028	C@LTTNEDYDGH@YTPSHQVD	-								
1103	896.4651	2686.344	2686.343	0.0011	0	59.95	3.80E-05	YVAVM@BPHHIDQPLT@GAY@VTLDR	G								
1105	578.1691	2331.485	2332.486	-0.0006	0	63.84	1.10E-05	TVAG@AVLLTGTN@LSPFTVM@SEGR	M								
447	529.2988	1056.586	1056.586	-0.0005	0	43.26	0.0066	K@LFFNIDK	M								
634	596.3403	1190.666	1190.666	0.0002	0	35.96	0.019	LSLIPYAT@TGR	N								
801	698.3324	1394.65	1394.65	0.0002	0	41.2	0.0065	DFT@V@TTELGR	A								
824	726.3361	1450.658	1450.658	0	0	45.23	0.0019	DINAYNETPTEK	L								
848	771.9268	1541.839	1541.838	0.0015	0	34.18	0.027	D@L@L@M@L@D@V@E@K	D								
80	P49722	Proteasome subunit alpha type-2	538	17	9	25882	6.92	475	536.8027	1071.591	1071.592	-0.0016	0	62.47	8.30E-05	AANGV@LATEK	K
								556	569.335	1136.655	1136.655	0	1	51.22	0.00034	SVHK@EPTK	H
								649	400.8029	1189.687	1189.687	-0.0006	1	34.64	0.028	AANGV@LATEK	Q
								786	739.8624	1477.71	1477.709	0.0013	0	71.11	8.50E-06	GYS@S@LTF@SPSGK	L
								787	739.8625	1477.71	1477.709	0.0015	0	58	0.00018	GYS@S@LTF@SPSGK	L
								802	522.257	1563.749	1563.75	-0.0012	0	39.46	0.011	HIGLV@SGM@PDYR	V
								807	527.589	1579.745	1579.745	-0.0002	0	60.21	7.60E-05	HIGLV@SGM@PDYR	V
								839	527.592	1579.746	1579.745	0.0004	0	53.97	0.00037	HIGLV@SGM@PDYR	V
								810	790.8801	1579.746	1579.745	0.0004	0	44.08	0.0032	HIGLV@SGM@PDYR	V
								920	1014.08	2026.146	2026.146	-0.0004	0	72.57	6.60E-07	LV@EY@A@A@V@G@A@P@S@V@G@I	A
								922	676.3895	2026.147	2026.146	0.0003	0	70.77	9.30E-07	LV@EY@A@A@V@G@A@P@S@V@G@I	A
								923	676.3895	2026.147	2026.146	0.0003	0	55.82	2.90E-05	LV@EY@A@A@V@G@A@P@S@V@G@I	A
								924	1014.081	2026.147	2026.146	0.0003	0	39.01	0.0013	LV@EY@A@A@V@G@A@P@S@V@G@I	A
								952	734.383	2200.127	2200.126	0.0009	0	42.88	0.0028	YNE@D@L@E@D@H@T@L@T@L@K	E
								1064	1261.175	2520.336	2520.338	-0.0016	0	49.94	0.00024	LA@Q@Y@L@V@E@P@I@P@T@Q@L@V@R	R
1065	841.1194	2520.337	2520.338	-0.0011	0	45.09	0.00072	LA@Q@Y@L@V@E@P@I@P@T@Q@L@V@R	R								
1066	841.1201	2520.338	2520.338	0.0009	0	45.8	0.00057	LA@Q@Y@L@V@E@P@I@P@T@Q@L@V@R	R								
1083	493.7233	997.4501	997.4505	-0.0004	0	40.83	0.007	V@P@D@S@YR	V								
814	793.9045	1585.794	1585.795	-0.0003	0	34.89	0.029	EID@E@A@E@V@S@Q@L@R	D								
815	529.6055	1585.795	1585.795	0	0	71.14	6.80E-06	EID@E@A@E@V@S@Q@L@R	D								
816	793.9048	1585.795	1585.795	0.0004	0	69.44	9.30E-06	EID@E@A@E@V@S@Q@L@R	D								
817	793.9053	1585.796	1585.795	0.0013	0	115.48	6.0E-10	EID@E@A@E@V@S@Q@L@R	D								
846	857.952	1713.89	1713.89	-0.0002	1	61.24	6.30E-05	KEID@E@A@E@V@S@Q@L@R	D								
847	572.3038	1713.89	1713.89	0	1	43.2	0.004	KEID@E@A@E@V@S@Q@L@R	D								
941	725.3541	2173.04	2173.04	0.0009	0	55.81	0.00015	NVVSQFVSM@SASADVLAM@SK	I								
945	730.855	2189.035	2189.034	0.0004	0	94.16	2.10E-08	NVVSQFVSM@SASADVLAM@SK	I								
947	1095.526	2189.037	2189.034	0.0025	0	87.05	1.10E-07	NVVSQFVSM@SASADVLAM@SK	I								
624	590.8057	1179.597	1179.596	0.001	0	46.21	0.003	VFEV@LATDR	S								
647	598.8027	1195.591	1195.591	0.0002	0	65.78	2.80E-05	VFEV@LATDR	S								
682	616.8221	1231.63	1231.63	0.0001	0	55.13	0.00045	ELVDSDITNVK	K								
785	625.2545	1476.742	1476.743	-0.0018	0	57.97	0.00022	SGGASHSELIHLNLF	K								
838	847.9297	1693.845	1693.846	-0.0009	0	93.43	4.50E-08	ALDVGSSGILTAC@FAR	M								
855	579.649	1735.925	1735.925	0.0001	0	33.58	0.026	M@KPLM@GVIVPLTDK	E								
938	1030.031	2058.046	2058.046	0.0021	0	59.4	9.90E-05	LILPVG@PAGGNOM@LEQYDK	L								
944	441.2419	2026.147	2026.146	-0.0007	0	35.14	0.05	K	L								
662	606.3032	1210.592	1210.594	-0.0024	0	61.26	9.40E-05	LQDVTDHHR	M								
663	404.5383	1210.593	1210.594	-0.0011	0	50.67	0.0011	LQDVTDHHR	M								
860	586.3156	1755.925	1755.927	-0.0018	0	49.62	0.00076	LPSEGGPQPAHV@VGDVR	O								
1071	896.4457	2686.342	2686.343	-0.0002	0	69.88	4.10E-06	YVAVM@BPHHIDQPLT@GAY@VTLDR	G								
1076	978.17	2931.486	2931.486	0.0024	0	59.78	2.90E-06	TVAG@AVLLTGTN@LSPFTVM@SEGR	M								
341	455.2443	988.474	988.476	-0.002	3	35.33	0.042	NC@VAIADR	R								
827	815.4014	1628.788	1628.787	0.0014	0	68.54	1.20E-05	FGIOAQM@VTTDFQK	I								
862	883.9537	1765.893	1765.893	0.0001	0	38.79	0.0095	FGPY@TEP@I@L@D@P@K	T								
893	630.3542	1888.041	1888.042	-0.0011	0	63.09	1.20E-05	LY@L@G@L@D@V@T@Q@V@A@Q@R	L								
81	Q8BH95	Enoyl-CoA hydratase, mitochondrial	1023	29	17	31454	8.76	162	432.2345	862.4545	862.4548	-0.0003	0	57.15	0.00039	AFAAGADIK	E
								163	432.2348	862.4551	862.4548	0.0002	0	52.43	0.0011	AFAAGADIK	E
								379	506.2442	1010.474	1010.474	-0.0004	0	54.67	0.0004	EGMT@F@V@E@K	R
								595	505.2391	1134.464	1134.465	0.00015	0	45.56	0.00057	T@E@Q@Y@S@K	F
								669	584.2841	1166.574	1166.575	-0.0017	1	42.05	0.0094	EGMT@F@V@E@K	K
								832	645.3232	1288.632	1288.633	-0.0013	0	59	0.00015	LVEE@I@C@A@E@K	I
								833	645.3238	1288.633	1288.633	-0.0002	0	67.71	2.10E-05	LVEE@I@C@A@E@K	I
								893	661.8256	1321.637	1321.637	-0.0003	0	64.01	5.00E-05	SLAM@EM@VLTGDR	I
								894	661.8262	1321.638	1321.637	0.0008	0	60.09	0.00018	SLAM@EM@VLTGDR	I
								907	668.3145	1334.614	1334.614	0.0001	0	75.79	2.00E-06	LFYST@F@T@D@R	R
								908	668.8226	1337.631	1337.632	-0.0012	0	47.4	0.0021	SLAM@EM@VLTGDR	I
								909	669.8231	1337.632	1337.632	-0.0003	0	65.75	2.90E-05	SLAM@EM@VLTGDR	I
								937	677.8201	1353.626	1353.627	-0.0012	0	58.73	0.00014	SLAM@EM@VLTGDR	I
								938	677.8201	1353.626	1353.627	-0.0011	0	66.05	2.50E-05	SLAM@EM@VLTGDR	I
								939	677.8208	1353.627	1353.627	0.0002	0	43.59	0.0043	SLAM@EM@VLTGDR	I
1000	713.4114	1424.808	1424.81	-0.0016	0	58.32	5.60E-05	NSSV@G@I@Q@L@N@R@P@K	A								
1002	713.4121	1424.81	1424.81	-0.0003	0	62.8	1.70E-05	NSSV@G@I@Q@L@N@R@P@K	A								
1003	713.4122	1424.81	1424.81	0	0	65.24	0.06	NSSV@G@I@Q@L@N@R@P@K	A								
1056	497.9118	1490.714	1490.715	-0.0019	1	43.98	0.0042	LFYST@F@T@D@R	E								
1059	746.3647	1490.715	1490.715	-0.0004	1	33.86	0.041	LFYST@F@T@D@R	E								
1087	513.2518	1536.734	1536.735	-0.0018	1	36.68	0.021	AFAAGADIK@EM@Q@N@R	T								
1154	870.9087	1739.803	1739.804	-0.00													

										1008	703.8325	1405.651	2	1405.651	-0.0003	0	69.55	1.00E-05	R	ADIVENQVM@DTR	M
										1009	703.8328	1405.651	2	1405.651	0.0004	0	40	0.0086	R	ADIVENQVM@DTR	M
										1098	797.3525	1592.69	2	1592.692	-0.0012	0	82.68	2.00E-07	R	MLLEYTSSSYDEK	R
										1099	797.3532	1592.692	2	1592.692	0.0003	0	62.22	2.20E-05	R	MLLEYTSSSYDEK	R
										1107	805.3505	1608.687	2	1608.687	-0.0001	0	46.67	0.00077	R	M@LLEYTSSSYDEK	R
										1108	805.3507	1608.687	2	1608.687	0.0004	0	95.74	9.00E-09	R	M@LLEYTSSSYDEK	R
										1109	805.3512	1608.688	2	1608.687	0.0014	0	65.45	9.40E-06	R	M@LLEYTSSSYDEK	R
										1160	875.4039	1748.793	2	1748.793	0.0006	1	76.34	1.40E-06	R	MLLEYTSSSYDEKR	R
										1161	875.4034	1748.793	2	1748.793	0.0007	0	59.08	7.70E-05	R	MLLEYTSSSYDEKR	R
										1163	589.2689	1764.785	3	1764.788	-0.0028	1	52.08	0.00032	R	M@LLEYTSSSYDEKR	R
										1164	589.2692	1764.786	3	1764.788	-0.0019	1	38.47	0.0069	R	M@LLEYTSSSYDEKR	R
										1165	883.4007	1764.787	2	1764.788	-0.0008	1	78.72	7.00E-07	R	M@LLEYTSSSYDEKR	R
										1185	901.4194	1800.824	2	1800.825	-0.0007	0	55.79	0.00017	R	MLMLMLC@LYNPDEFK	Q
										1191	909.4161	1816.818	2	1816.82	-0.0001	0	80.37	4.70E-07	R	M@LQIM@LYNPDEFK	Q
										1192	909.4173	1816.82	2	1816.82	0.0003	0	51.92	0.0003	R	MLQIM@LYNPDEFK	Q
										1202	917.4134	1832.812	2	1832.815	-0.0025	0	64.54	1.30E-05	R	M@QIM@LYNPDEFK	Q
										1204	917.4148	1832.815	2	1832.815	0.0003	0	82.18	2.20E-07	R	M@QIM@LYNPDEFK	Q
										1226	633.6717	1897.993	3	1897.994	-0.0005	0	44.52	0.002	R	GLDLPFNPLYLDGSHK	I
										1227	633.6718	1897.993	3	1897.994	-0.0004	0	48.82	0.00078	R	GLDLPFNPLYLDGSHK	I
										1228	633.6719	1897.994	3	1897.994	0.0002	0	34.31	0.02	R	GLDLPFNPLYLDGSHK	I
										1229	950.0046	1897.995	2	1897.994	0.0009	0	46.54	0.0012	R	GLDLPFNPLYLDGSHK	I
										1241	997.4981	1992.982	2	1992.983	-0.0016	0	72.23	4.10E-06	R	VTVYDFLAVILDIDVYR	M
										1242	695.335	1992.983	2	1992.983	-0.0001	0	42.64	0.0038	R	VTVYDFLAVILDIDVYR	M
										1253	725.3937	2173.159	3	2173.157	0.0002	1	36.69	0.0078	R	FKGLDFPNPLYLDGSHK	I
										683	569.2888	1136.563	2	1136.565	-0.0018	0	57.7	0.00028	R	IAVAQAQ@YK	V
										961	663.8392	1325.664	2	1325.665	-0.0012	0	52.92	0.00052	R	INGGVS@TGAT@CK	E
										1048	493.8647	1457.715	3	1457.715	-0.0002	0	41.64	0.0002	R	HVFGF@E@L@GK	L
										1054	489.5795	1465.717	3	1465.716	0.0006	0	34.04	0.041	R	TATPQQAQ@E@V@EK	L
										1055	733.8662	1465.718	2	1465.716	0.0018	0	65.31	3.20E-05	R	TATPQQAQ@E@V@EK	L
										1080	513.9348	1538.783	3	1538.784	-0.0015	0	42.66	0.0053	R	DLGATV@V@L@H@SER	R
										1101	534.9673	1601.88	3	1601.882	-0.0017	0	41.73	0.0033	R	V@L@Y@P@W@I@G@T@K	T
										1102	901.9481	1620.817	2	1620.818	0.0001	0	70.17	4.20E-06	R	V@L@Y@P@W@I@G@T@K	T
										1110	811.416	1620.817	2	1620.818	-0.0008	0	78.31	1.40E-06	R	V@L@Y@P@W@I@G@T@K	T
										1123	819.4137	1636.813	2	1636.813	-0.0002	0	75.69	2.70E-06	R	V@L@Y@P@W@I@G@T@K	T
										677	567.8331	1133.652	2	1133.652	-0.0003	0	40.67	0.0045	R	LIC@V@L@EK	D
										705	576.2822	1150.55	2	1150.551	-0.0009	0	68.94	1.80E-05	R	LIC@V@L@EK	D
										776	596.7941	1191.554	2	1191.555	-0.0017	0	36	0.032	R	A@G@S@L@L@D@E@C@R	E
										777	596.7842	1191.554	2	1191.555	-0.0014	0	52.69	0.00069	R	A@G@S@L@L@D@E@C@R	E
										1140	853.4321	1704.85	2	1704.851	-0.0008	0	101.94	5.90E-09	R	SC@Y@L@S@L@L@L@L@H@R	L
										1141	569.2906	1704.85	2	1704.851	-0.0005	0	41.69	0.0064	R	SC@Y@L@S@L@L@L@H@R	L
										1295	793.4323	2377.275	3	2377.275	-0.0003	0	70.31	2.10E-06	R	Y@V@I@T@G@P@V@G@P@T@S@Q@A@E@L@R	S
										269	461.2556	920.4967	2	920.4967	-0.0001	0	58.41	0.00018	R	FS@V@L@D@V@K	H
										348	493.7502	985.4858	2	985.4869	-0.0011	0	38.77	0.014	R	H@F@S@P@E@L@K	V
										350	493.7503	985.4861	2	985.4869	-0.0008	0	47.57	0.0019	R	H@F@S@P@E@L@K	V
										498	544.759	1087.503	2	1087.503	-0.0013	0	40.81	0.0066	R	Q@E@H@P@S@R	K
										538	555.811	1109.608	2	1109.608	-0.0005	0	49.17	0.0011	R	E@E@K@P@A@V@A@A@P@K	K
										603	583.3317	1164.649	2	1164.65	-0.0015	0	42.84	0.0038	R	V@L@D@V@I@E@V@H@G@K	H
										604	389.2243	1164.651	2	1164.65	0.0009	0	40.88	0.0049	R	V@L@D@V@I@E@V@H@G@K	H
										75	477.5631	1429.728	3	1429.729	-0.0013	0	40.25	0.0097	R	#M@D@I@A@H@P@W@I@R	R
										783	452.9149	1445.723	3	1445.724	-0.0008	0	38.52	0.015	R	#M@D@I@A@H@P@W@I@R	R
										784	723.8689	1445.723	3	1445.724	-0.0005	0	47.53	0.0019	R	#M@D@I@A@H@P@W@I@R	R
										798	739.8505	1477.686	2	1477.687	-0.0007	0	72.73	4.90E-06	R	A@P@S@W@I@D@T@G@L@S@E@M@R@	L
										1101	575.464	2623.37	3	2623.371	-0.0004	0	85.71	8.10E-08	R	I@P@A@D@V@P@T@I@S@L@S@D@S@D@V@L@T@N@G@P@R	L
										900	493.5693	1477.686	2	1477.687	-0.0011	0	33.13	0.045	R	A@P@S@W@I@D@T@G@L@S@E@M@R@	L
										901	739.8509	1477.687	2	1477.687	-0.0008	0	68.86	3.00E-07	R	A@P@S@W@I@D@T@G@L@S@E@M@R@	L
										940	540.8112	1079.608	2	1079.609	-0.001	0	66.04	1.60E-05	R	T@L@A@D@V@H@R	G
										933	519.9331	1556.778	3	1556.78	-0.0028	0	54.41	0.00035	R	I@O@H@L@C@T@G@N@L@C@T@K	G
										934	779.397	1556.778	3	1556.78	-0.0006	0	35.3	0.014	R	I@O@H@L@C@T@G@N@L@C@T@K	G
										936	784.8467	1567.679	3	1567.679	-0.0001	0	59.01	5.60E-05	R	G@D@F@E@N@L@N@Y@P@E@Q@K	V
										937	784.847	1567.679	3	1567.679	0.0004	0	37.7	0.0072	R	G@D@F@E@N@L@N@Y@P@E@Q@K	V
										950	543.6481	1627.923	3	1627.923	-0.0007	0	43.71	0.0011	R	M@L@V@L@V@L@D@H@P@I@R	C
										951	543.6483	1627.923	3	1627.923	-0.0003	0	34.49	0.008	R	M@L@V@L@V@L@D@H@P@I@R	C
										916	515.731	1349.743	3	1349.743	0.0001	0	80.31	5.00E-07	R	L@G@I@H@V@L@N@A@E@A@R	S
										817	450.9215	1349.743	3	1349.742	0.0013	0	56.64	0.00012	R	L@G@I@H@V@L@N@A@E@A@R	S
										859	713.8755	1425.737	2	1425.736	0.0006	0	61.65	6.40E-05	R	S@P@T@V@I@A@Y@L@M@M@R@	Q

P85094	Isochorismatase domain-containing pro	254	7	5	22403	8.25	974 626.3246 1875.952 3 1875.951 0.0009 0 40.72 0.0058 K FSPLTANLM@NLLAENGR L	975 938.9843 1875.954 2 1875.951 0.0027 0 83.49 3.20E-07 K FSPLTANLM@NLLAENGR L	1032 1078.0275 2031.061 3 2031.057 0.0036 0 0.00 0.00072 R LGTNGQISAFSTIMSVHR L	1048 1624.533 2047.051 2 2047.052 -0.0009 0 64.87 1.90E-05 R LGTNGQISAFSTIM@SVHR G	1049 683.358 2047.052 3 2047.052 0 0 74.87 1.90E-06 R LGTNGQISAFSTIM@SVHR G	1172 1151.578 2301.141 2 2301.141 -0.0005 0 70.35 5.10E-06 R GEVPC@TVTASPDLDAVLEK T	1173 768.0548 2301.143 3 2301.141 0.0016 0 33.79 0.022 R GEVPC@TVTASPDLDAVLEK T	731 649.3177 1296.621 2 1296.621 0.0002 0 36.55 0.023 K TC@FSM@VPALK T	985 585.733 1303.997 2 1303.997 0.0017 0 30.76 0.044 R ILPESSFLC@DLOEK F	986 953.0068 1903.999 2 1903.997 0.0026 0 80.01 5.40E-07 R ILPESSFLC@DLOEK F	994 641.3599 1921.058 3 1921.057 0.0006 0 38.84 0.0029 K FRPSIAPFQIVSVAAR M	998 645.0295 1932.067 3 1932.068 -0.0014 0 32.86 0.015 R QSGAFLATESLILQLVR D	999 967.0416 1932.069 2 1932.068 0.0007 0 102.14 1.50E-09 R QSGAFLATESLILQLVR D	1003 1022.873 2047.052 3 2047.052 0 0 78.13 3.10E-07 R SOLG@L@G@T@G@C@L@NT@LDLH R	365 514.808 1027.602 2 1027.603 -0.001 1 37.85 0.016 K GELLEAKR F	809 720.9068 1439.799 2 1439.798 0.0006 0 85.14 1.40E-07 K GDVTV@VALQPAK F	810 720.9068 1439.799 2 1439.798 0.0006 0 54.87 0.00015 K GDVTV@VALQPAK F	811 460.9403 1439.799 3 1439.798 0.0008 0 32.78 0.024 K GDVTV@VALQPAK F	922 581.9853 1742.874 3 1742.874 0.0002 0 48.63 0.0013 K AIWNVINWENVTER F	923 872.4447 1742.875 2 1742.874 0.0009 0 69.69 9.90E-06 K AIWNVINWENVTER Y	1072 714.0294 2139.066 3 2139.065 0.0012 0 38.03 0.011 K FNSGGHINH@F@W@L@SPK G																																																																																	
							87	O5EBG6	Heat shock protein beta-6	1395	35	10	17510	5.64	615 599.8268 1197.639 2 1197.639 -0.0002 0 32.75 0.049 K HFLPEEISVK V	618 599.8271 1197.64 2 1197.639 0.0003 0 38.12 0.013 K HFLPEEISVK V	653 614.3274 1226.64 2 1226.641 -0.0005 0 47.03 0.0019 R ASAPLPGFSAPGR L	655 614.3277 1226.641 2 1226.641 0.0001 0 33.71 0.044 R ASAPLPGFSAPGR L	656 614.3278 1226.641 2 1226.641 0.0003 0 50.89 0.00083 R ASAPLPGFSAPGR L	657 614.3278 1226.641 2 1226.641 0.0003 0 65.05 3.20E-05 R ASAPLPGFSAPGR L	717 638.3246 1274.635 2 1274.637 -0.0022 0 60.46 0.00012 K VDDHVEVHAR H	719 425.8858 1274.636 3 1274.637 -0.0012 0 40.85 0.01 K VDDHVEVHAR H	720 425.8858 1274.636 3 1274.637 -0.0011 0 61.87 8.30E-05 K VDDHVEVHAR H	733 652.3794 1382.742 3 1382.742 0.0003 0 41.58 0.0052 R RASAPLPGFSAPGR L	786 461.5215 1382.743 3 1382.742 0.0008 1 51.43 0.00054 R RASAPLPGFSAPGR L	843 797.4282 1592.842 2 1592.839 0.0033 0 42.52 0.0036 - #MEIPV@V@PSWLR R	1201 855.7864 2564.338 3 2564.337 0.0001 0 53.71 0.00012 R APSVALTAQ@STDS@Y@SVLDDVK H	1202 855.7869 2564.339 3 2564.337 0.0016 0 37.09 0.0049 R APSVALTAQ@STDS@Y@SVLDDVK H	1203 855.7872 2564.34 3 2564.337 0.0025 0 59.7 7.10E-05 R APSVALTAQ@STDS@Y@SVLDDVK H	1204 1283.178 2564.34 2 2564.337 0.003 0 53.3 0.00013 R APSVALTAQ@STDS@Y@SVLDDVK H	1205 1283.178 2564.341 2 2564.337 0.0038 0 106.84 5.0E-10 R APSVALTAQ@STDS@Y@SVLDDVK H	1208 855.7884 2564.343 3 2564.337 0.0059 0 83.63 1.10E-07 R APSVALTAQ@STDS@Y@SVLDDVK H	1216 875.4517 2623.333 3 2623.332 -0.0002 0 29.87 0.009 R F@G@L@E@L@S@L@P@A@I@P@Y@L R	1217 1312.675 2623.335 2 2623.336 -0.0005 0 69.3 4.50E-06 R F@G@L@E@L@S@L@P@A@I@P@Y@L R	1218 1312.675 2623.335 2 2623.336 -0.0005 0 57.59 6.60E-05 R F@G@L@E@L@S@L@P@A@I@P@Y@L R	1220 656.8416 2623.337 4 2623.336 0.0018 0 48.4 0.00016 R F@G@L@E@L@S@L@P@A@I@P@Y@L R	1221 875.4537 2623.339 3 2623.336 0.0036 0 53.3 0.00016 R F@G@L@E@L@S@L@P@A@I@P@Y@L R	1321 1248.996 3743.967 3 3743.966 0.0001 1 66.91 7.0E-06 R APSVALTAQ@STDS@Y@SVLDDVK@H@F@P@E@I@S@V@K V	1322 937.0012 3743.976 4 3743.966 0.0093 1 76.2 2.10E-07 R APSVALTAQ@STDS@Y@SVLDDVK@H@F@P@E@I@S@V@K V	1329 952.0156 3804.033 4 3804.031 0.0025 0 71.63 5.10E-07 R LPPGV@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1331 952.0161 3804.035 4 3804.031 0.0044 0 77.56 1.30E-07 R LPPGV@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1332 952.2536 3805.025 4 3804.031 0.9944 0 31.29 0.0042 31 YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1340 1031.806 4123.195 4 4123.195 -0.0008 1 51.79 4.50E-05 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1341 1375.406 4123.196 3 4123.195 0.0001 1 59.62 7.00E-06 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1342 1375.406 4123.196 3 4123.195 0.0005 0 93.54 2.80E-09 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1343 1031.807 4123.198 4 4123.195 0.0031 1 118.29 9.30E-12 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1344 1375.407 4123.199 3 4123.195 0.0034 1 67.43 0.0006 YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1345 1031.807 4123.199 4 4123.195 0.0036 1 86.29 1.60E-08 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	1346 1031.808 4123.202 4 4123.195 0.0065 1 92.64 3.30E-09 R YR@L@P@G@V@P@A@V@T@S@L@S@P@E@V@L@S@I@Q@T@P@S@A@Q@L@P@S@P@A@K -	885 826.4274 1650.84 2 1650.84 0.0004 0 80 9.50E-05 R IQAGC@S@A@I@L@S@E@R F																																																										
															88	O01768	Nucleoside diphosphate kinase B	292	10	7	17352	6.97	292 492.8134 983.6122 2 983.6127 -0.0006 1 59.23 4.90E-05 R GLVGEIKR F	388 526.2531 1050.492 2 1050.492 -0.0001 0 41.13 0.011 R GDFC@IQVGR N	389 526.2532 1050.492 2 1050.492 0.0001 0 60.19 0.00013 R GDFC@IQVGR N	549 588.3323 1174.65 2 1174.65 0.0002 0 33.95 0.038 K DRPFF@GLVK Y	654 672.8854 1343.756 2 1343.756 0.0002 0 51.35 0.00049 R T@I@K@P@D@G@V@R G	665 448.9264 1343.757 3 1343.756 0.0011 0 33.84 0.027 R T@I@K@P@D@G@V@R G	697 495.9102 1484.709 3 1484.711 -0.0019 0 43.81 0.0037 R NIIHGSS@V@S@E@A@K E	698 743.3622 1484.71 2 1484.711 -0.0009 0 75.05 3.00E-06 R NIIHGSS@V@S@E@A@K E	694 501.3082 1800.903 3 1800.904 0.0003 0 50.13 0.00079 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	706 901.4599 1800.905 2 1800.904 0.0013 0 46.63 0.0017 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	815 1063.026 2124.037 2 2124.038 -0.0019 0 55.01 0.00023 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T																																																																											
																							89	O01768	Nucleoside diphosphate kinase B	2223	83	15	17352	6.97	81 414.7631 827.5116 2 827.5116 0 0 31.38 0.05 R GLVGEIK R	83 414.7634 827.512 2 827.5116 0.0006 0 58.98 0.00074 R GLVGEIK R	84 414.7635 827.5124 2 827.5116 0.0008 0 56.75 0.00014 R GLVGEIK R	214 458.7479 915.4813 2 915.4814 -0.0001 0 35.77 0.049 K QHYIDLK D	215 458.748 915.4814 2 915.4814 0 0 35.81 0.049 K QHYIDLK D	326 492.8132 983.6119 2 983.6127 -0.0009 0 48.27 0.00061 R GLVGEIKR F	327 492.8132 983.6119 2 983.6127 -0.0008 1 59.35 4.80E-05 R GLVGEIKR F	328 492.8134 983.6123 2 983.6127 -0.0005 1 59.07 5.10E-05 R GLVGEIKR F	452 526.2526 1050.491 2 1050.492 -0.0001 0 49.57 0.0014 R GDFC@IQVGR N	453 526.2527 1050.491 2 1050.492 -0.0007 0 62.94 6.60E-05 R GDFC@IQVGR N	454 526.2528 1050.491 2 1050.492 0.0006 0 65.92 3.40E-05 R GDFC@IQVGR N	455 526.2529 1050.491 2 1050.492 -0.0005 0 47.91 0.002 R GDFC@IQVGR N	456 526.2529 1050.491 2 1050.492 -0.0004 0 44.91 0.004 R GDFC@IQVGR N	457 526.2529 1050.491 2 1050.492 -0.0004 0 40.56 0.011 R GDFC@IQVGR N	458 526.253 1050.491 2 1050.492 -0.0003 0 38.06 0.019 R GDFC@IQVGR N	459 526.2531 1050.492 2 1050.492 -0.0001 0 48.62 0.0019 R GDFC@IQVGR N	460 526.2531 1050.492 2 1050.492 -0.0001 0 66.38 3.20E-05 R GDFC@IQVGR N	651 583.7323 1165.45 2 1165.45 0.0002 0 28.1 0.015 K SC@A@H@D@V@Y@E -	662 588.332 1174.65 2 1174.65 -0.0004 0 36.51 0.021 K DRPFF@GLVK Y	664 588.3323 1174.65 2 1174.65 0.0002 0 32.76 0.05 K DRPFF@GLVK Y	665 588.3324 1174.65 2 1174.65 0.0004 0 33.01 0.048 K DRPFF@GLVK Y	911 672.8848 1343.755 2 1343.756 -0.001 0 46.86 0.0013 R T@I@K@P@D@G@V@R G	913 672.8851 1343.756 2 1343.756 -0.0006 0 48.77 0.00084 R T@I@K@P@D@G@V@R G	917 672.8853 1343.756 2 1343.756 -0.0001 0 47.62 0.0012 R T@I@K@P@D@G@V@R G	918 672.8853 1343.756 2 1343.756 -0.0001 0 53.42 0.0009 R T@I@K@P@D@G@V@R G	919 672.8854 1343.756 2 1343.756 0.0002 0 46.65 0.0014 R T@I@K@P@D@G@V@R G	921 448.9261 1343.756 3 1343.756 0.0002 0 37.41 0.012 R T@I@K@P@D@G@V@R G	924 448.9261 1343.757 3 1343.756 0.0005 0 32.81 0.034 R T@I@K@P@D@G@V@R G	925 448.9262 1343.757 3 1343.756 0.0006 0 39.82 0.0067 R T@I@K@P@D@G@V@R G	929 448.9264 1343.757 3 1343.756 0.0013 0 34.57 0.024 R T@I@K@P@D@G@V@R G	1040 743.3618 1484.709 2 1484.711 -0.0016 0 65.82 2.30E-05 R NIIHGSS@V@S@E@A@K E	1042 495.9104 1484.709 3 1484.711 -0.0014 0 53.28 0.00042 R NIIHGSS@V@S@E@A@K E	1043 495.9104 1484.709 3 1484.711 -0.0013 0 47.3 0.0017 R NIIHGSS@V@S@E@A@K E	1045 743.3621 1484.71 2 1484.711 -0.0011 0 49.84 9.40E-05 R NIIHGSS@V@S@E@A@K E	1046 743.3621 1484.71 2 1484.711 -0.001 0 59.26 0.00011 R NIIHGSS@V@S@E@A@K E	1047 495.9105 1484.71 3 1484.711 -0.0009 0 41.25 0.0025 R NIIHGSS@V@S@E@A@K E	1049 495.9106 1484.71 3 1484.711 -0.0008 0 48.98 0.0012 R NIIHGSS@V@S@E@A@K E	1050 743.3622 1484.71 2 1484.711 -0.0007 0 51.61 0.00086 R NIIHGSS@V@S@E@A@K E	1051 743.3623 1484.71 2 1484.711 -0.0006 0 69.97 9.60E-06 R NIIHGSS@V@S@E@A@K E	1229 595.9761 1784.906 3 1784.909 -0.0027 0 46.44 0.0016 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1230 595.9761 1784.907 3 1784.909 -0.0025 0 41.47 0.0052 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1232 595.9767 1784.908 3 1784.909 -0.0007 0 44.88 0.0025 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1233 893.4616 1784.909 3 1784.909 -0.0004 0 97.22 1.50E-08 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1234 595.9769 1784.909 3 1784.909 -0.0003 0 49.52 0.00086 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1235 893.462 1784.909 3 1784.909 0.0003 0 37.72 0.012 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1236 595.9771 1784.91 3 1784.909 0.0004 0 58.88 8.90E-05 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1237 893.4623 1784.91 3 1784.909 0.0011 0 34.27 0.025 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1248 601.3079 1800.902 3 1800.904 -0.0022 0 50.4 0.00069 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1249 601.3079 1800.902 3 1800.904 -0.0021 0 44.41 0.0028 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1250 601.308 1800.902 3 1800.904 -0.0019 0 33.74 0.035 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1252 901.4584 1800.902 3 1800.904 -0.0018 0 81.56 5.80E-07 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1253 601.308 1800.902 3 1800.904 0.0017 0 38.64 0.011 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1254 601.3082 1800.903 3 1800.904 -0.0013 0 42.12 0.005 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1255 601.3082 1800.903 3 1800.904 -0.0013 0 52.1 0.0005 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1258 901.4589 1800.903 3 1800.904 -0.0008 0 63.34 3.80E-05 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1259 901.4589 1800.903 3 1800.904 -0.0008 0 83.58 3.60E-07 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1260 601.3084 1800.903 3 1800.904 -0.0006 0 44.84 0.00032 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1261 601.3084 1800.903 3 1800.904 -0.0006 0 32.19 0.05 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1262 901.4593 1800.904 2 1800.904 0.0002 0 72.81 4.20E-06 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1263 901.46 1800.905 2 1800.904 0.0014 0 61.52 5.40E-05 R VM@L@G@T@N@P@A@D@S@K@P@G@T@R G	1383 860.5151 1959.016 2 1959.014 0.0014 0 46.18 0.0015 R E@H@L@F@E@L@Y@K S	1497 698.3568 2092.049 3 2092.049 0.0001 0 57.06 0.00014 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1498 698.3569 2092.049 3 2092.049 0.0004 0 63.19 3.40E-05 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1499 698.3569 2092.049 3 2092.049 0.0004 0 33.04 0.035 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1500 1047.032 2092.049 2 2092.049 0.0006 0 43.8 0.003 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1501 1047.032 2092.049 2 2092.049 0.0009 0 73.34 3.30E-06 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1502 1047.032 2092.05 2 2092.049 0.0011 0 69.46 8.10E-06 K YM@S@G@P@V@A@M@V@E@G@L@N@V@K T	1512 1055.029 2108.044 2 2108.044 0.0008 0 60.88 5.10E-05 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1513 1055.03 2108.045 2 2108.044 0.0011 0 77.78 1.00E-06 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1514 1055.03 2108.045 2 2108.044 0.0015 0 74.56 2.30E-06 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1515 1055.03 2108.045 2 2108.044 0.0018 0 98.52 9.10E-09 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1516 1055.03 2108.046 2 2108.044 0.0023 0 88.87 8.50E-08 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1517 703.6893 2108.046 3 2108.044 0.0025 0 47.88 0.0011 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1518 703.6894 2108.046 3 2108.044 0.0027 0 63.85 2.60E-05 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1519 703.6895 2108.047 3 2108.044 0.0032 0 34.66 0.00032 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1520 703.6897 2108.047 3 2108.044 0.0038 0 47.74 0.001 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1530 1063.027 2124.039 2 2124.038 0.0003 0 73.96 2.70E-06 K YM@N@S@G@P@V@A@M@V@E@G@L@N@V@K T	1532 709.0204 2124.039 3 2124.038 0.0009 0 31.48 0.04

						800	638.8226	1275.631	2	1275.631	-0.0001	0	56.3	0.00036	R	DSDSILETLQR	K	
						801	638.8226	1275.631	2	1275.631	0.0001	0	65.16	4.70E-05	R	DSDSILETLQR	K	
						802	638.8227	1275.631	2	1275.631	0.0002	0	74.07	5.70E-06	R	DSDSILETLQR	K	
						803	638.8229	1275.631	2	1275.631	0.0007	0	62.85	7.10E-05	R	DSDSILETLQR	K	
						804	638.823	1275.631	2	1275.631	0.0008	0	49.13	0.0017	R	DSDSILETLQR	K	
						1257	828.89	1655.765	2	1655.765	0	0	95.65	2.00E-08	R	VVEVATFYTMYNR	K	
						1258	552.9291	1655.766	3	1655.765	0.0002	0	47.45	0.0013	R	VVEVATFYTMYNR	K	
						1259	828.8903	1655.766	2	1655.765	-0.0007	0	95.78	2.10E-08	R	VVEVATFYTMYNR	K	
						1257	836.872	1671.76	2	1671.76	-0.0004	0	93.19	2.90E-08	R	VVEVATFYTM@YNR	K	
						1269	558.2608	1671.761	3	1671.76	0.0003	0	58.73	7.90E-05	R	VVEVATFYTM@YNR	K	
						1270	836.888	1671.761	2	1671.76	0.0012	0	107.73	1.10E-09	R	VVEVATFYTM@YNR	K	
						1271	558.2611	1671.762	3	1671.76	0.0012	0	59.41	7.40E-05	R	VVEVATFYTM@YNR	K	
						1327	890.4214	1778.828	2	1778.827	0.0016	0	33.8	0.031	K	YHIQVCTTTTC@MLR	D	
						1341	898.4187	1794.823	2	1794.822	0.0013	0	61.29	5.10E-05	K	YHIQVCTTTTC@MBLR	D	
						1393	932.4343	1862.854	2	1862.854	-0.0002	0	116.81	1.20E-10	R	FC'C'EPAGGLTSLTEPKK	G	
						1394	621.9587	1862.854	3	1862.854	0.0001	0	43.92	0.0023	R	FC'C'EPAGGLTSLTEPKK	G	
						1395	932.4348	1862.855	2	1862.854	0.0008	0	79.68	6.10E-07	R	FC'C'EPAGGLTSLTEPKK	G	
						1397	621.9592	1862.856	3	1862.854	-0.0014	0	54.47	0.00021	R	FC'C'EPAGGLTSLTEPKK	G	
						1398	932.4355	1862.856	2	1862.854	0.0021	0	119.96	6.20E-11	R	FC'C'EPAGGLTSLTEPKK	G	
						1510	721.3836	2161.129	3	2161.128	0.001	0	38.74	0.0058	K	NYPEGHQAAALPVLDLAQR	O	
						1512	1081.572	2161.129	2	2161.128	0.0013	0	86.62	9.60E-08	K	NYPEGHQAAALPVLDLAQR	O	
						1513	721.3837	2161.129	3	2161.128	0.0014	0	54.29	0.00016	K	NYPEGHQAAALPVLDLAQR	O	
						1514	721.3839	2161.13	3	2161.128	-0.0018	0	64.27	1.80E-05	K	NYPEGHQAAALPVLDLAQR	O	
						1515	1081.573	2161.132	2	2161.128	0.004	0	84.54	1.50E-07	K	NYPEGHQAAALPVLDLAQR	O	
						1582	1120.984	2239.954	2	2239.955	-0.0011	0	86.68	4.30E-08	R	DTPENNDPTFFDFTPENYK	R	
						1583	747.6588	2239.955	3	2239.955	0	0	40.74	0.0019	R	DTPENNDPTFFDFTPENYK	R	
						1585	1120.985	2239.955	2	2239.955	0.0001	0	80.01	2.10E-07	R	DTPENNDPTFFDFTPENYK	R	
						1586	1120.985	2239.955	2	2239.955	0.0001	0	40.3	0.0019	R	DTPENNDPTFFDFTPENYK	R	
						1673	1199.034	2396.054	2	2396.056	-0.0014	1	39.34	0.0032	R	DTPENNDPTFFDFTPENYK	I	
						1675	799.6927	2396.056	3	2396.056	0.0006	1	47.36	0.00049	R	DTPENNDPTFFDFTPENYK	I	
						1676	799.6927	2396.056	3	2396.056	0.0007	1	57.24	5.00E-05	R	DTPENNDPTFFDFTPENYK	I	
						1715	1374.162	2746.31	2	2746.31	-0.0006	1	54.33	0.00015	R	FC'C'EPAGGLTSLTEPKKPGFQVQAGL	-	
						1716	916.4442	2746.311	3	2746.31	0.0011	1	74.36	1.50E-06	R	FC'C'EPAGGLTSLTEPKKPGFQVQAGL	-	
						1719	916.4452	2746.314	3	2746.31	0.0042	1	66.21	9.70E-06	R	FC'C'EPAGGLTSLTEPKKPGFQVQAGL	-	
						1832	937.2011	3744.775	4	3744.773	0.0028	0	58.6	3.00E-05	K	LFTLIEVECLGACV@VQINDNYEDLTPK	D	
						1869	1140.053	4556.184	4	4556.18	0.0037	1	34.51	0.0043	K	VGETTPDKLFTLIEVECLGACV@VQINDNYEDLTPK	D	
						1870	1144.053	4572.184	4	4572.175	0.0088	1	68.27	2.9E-06	K	VGETTPDKLFTLIEVECLGACV@VQINDNYEDLTPK	D	
Q00623	Apolipoprotein A-I	1009	36	18	30569	5.64	102	422.2377	842.4609	2	842.461	-0.0001	0	38.46	0.021	K	LOEQLGR	L
							371	520.7952	1039.576	2	1039.577	-0.0016	0	38.59	0.013	K	ARPALEDLR	H
							395	524.2772	1046.54	2	1046.54	0.0001	0	55.77	0.00048	R	LSPVAEFR	D
							414	533.7458	1065.477	2	1065.477	0.0004	0	44.1	0.0037	R	DRWDLK	E
							463	550.3136	1098.613	2	1098.615	-0.0019	1	38.33	0.016	R	QKLEQLGR	L
							697	619.314	1236.614	2	1236.614	-0.0004	1	35.38	0.041	K	WKEDVELYR	Q
							698	619.3143	1236.614	2	1236.614	0.0003	1	39.14	0.017	K	WKEDVELYR	Q
							699	413.2121	1236.614	3	1236.614	0.0005	1	43.24	0.0063	K	WKEDVELYR	Q
							701	413.2122	1236.615	3	1236.614	0.0008	1	42.3	0.0078	K	WKEDVELYR	Q
							714	620.8137	1239.613	2	1239.614	-0.0007	0	64.01	4.40E-05	K	DFANVYVDAVK	D
							715	620.8141	1239.614	2	1239.614	0.0001	0	57.81	0.00017	K	DFANVYVDAVK	D
							716	620.8147	1239.615	2	1239.614	0.0013	0	68	1.60E-05	K	DFANVYVDAVK	D
							790	633.8219	1295.629	2	1295.629	-0.0002	0	40.81	0.01	K	VQPYLDFQK	K
							849	649.3185	1296.623	2	1296.625	-0.0019	0	51.64	0.00082	R	TQLAPHSEQMR	E
							850	649.3187	1296.623	2	1296.625	-0.0016	0	34.3	0.048	R	TQLAPHSEQMR	E
							890	657.3159	1312.617	2	1312.619	-0.0022	0	52.93	0.00046	R	TQLAPHSEQMR	E
							892	657.316	1312.617	2	1312.619	-0.002	0	45.4	0.0027	R	TQLAPHSEQMR	E
							896	439.5469	1312.619	3	1312.619	-0.0004	0	33.02	0.044	R	TQLAPHSEQMR	E
							902	439.2298	1314.668	3	1314.668	0	0	43.35	0.0052	R	HSLM@PMLLETK	T
							903	658.3411	1314.668	2	1314.668	0.0001	0	49.46	0.0013	R	HSLM@PMLLETK	T
							905	658.3412	1314.668	2	1314.668	0.0004	0	56.25	0.00029	R	HSLM@PMLLETK	T
							906	439.23	1314.668	3	1314.668	0.0005	0	40.88	0.01	R	HSLM@PMLLETK	T
							907	658.3414	1314.668	2	1314.668	0.0006	0	40.17	0.012	R	HSLM@PMLLETK	T
							940	666.3195	1330.624	2	1330.627	-0.0022	0	53.57	0.00036	K	SNPTLNEYHTR	A
							947	444.5604	1330.659	3	1330.663	-0.0032	0	40.91	0.0085	R	HSLM@PM@LETK	T
							952	444.5616	1330.663	3	1330.663	0.0005	0	40.59	0.011	R	HSLM@PM@LETK	T
							965	670.8618	1339.709	2	1339.71	-0.0005	0	86.21	2.10E-07	K	VAPLGAELQESAR	Q
							966	670.8619	1339.709	2	1339.71	-0.0003	0	79.97	9.00E-07	K	VAPLGAELQESAR	Q
							968	670.862	1339.709	2	1339.71	-0.0001	0	90.49	7.80E-08	K	VAPLGAELQESAR	Q
							970	670.8622	1339.71	2	1339.71	0.0004	0	40.44	0.0069	K	VAPLGAELQESAR	Q
							1040	689.8285	1377.842	2	1377.845	-0.0021	1	49.47	0.0011	R	QEM@NDLEEK	Q
							1165	489.9326	1466.776	3	1466.777	-0.0009	1	36.34	0.018	K	VKDFANVYVDAVK	D
							1166	734.3953	1466.776	2	1466.777	-0.0008	1	74.73	2.50E-06	K	VKDFANVYVDAVK	D
							1852	1366.999	1654.796	3	1654.795	0.0006	1	42.68	0.0041	K	DFANVYVDAVKDSCR	D
							1853	1025.502	4097.98	4	4097.982	-0.0009	0	51.32	0.00013	R	DVVSQFESSLSGQGLN@LLENWDTLGTSTV@SOLQR	L
							82	417.222	832.4294	2	832.429	0.0003	0	43.43	0.012	R	SVEETLR	L
P20108	Thioredoxin-dependent peroxide reduct	183	6	6	28109	7.15	336	511.2689	1020.523	2	1020.524	-0.0008	0	58.61	0.00023	K	GTAVVNGEKF	E
							643	603.8332	1205.652	2	1205.652	0.0002	0	43.7	0.0045	K	HLSVNDLPVGR	S
							793	636.3716	1270.729	2	1270.729	0.0001	0	56.91	0.00013	R	GLFIDP@NGVYK	H
							1177	738.9073	1475.8	2	1475.798	0.0018	0	50.49	0.00069	R	DY@VLLSAGIALR	G
							1755	1011.177	3030.508	3	3030.513	-0.0047	0	60.71	2.30E-05	K	YLVLFYPLDFTFVC@PTEINAFSDK	A

SUPPLEMENTAL TABLE S2 - Identities of proteins differentially expressed with or without cell therapy

Spot#	Protein ID	Gene Name	Accession #	Fold change	Mass	pI	Cell location/complex	Biological process or functional role	Notes
56	14-3-3 protein beta/alpha	YWHA8	Q9CQV8	-2.05	28069	4.77	cytoplasm	signaling regulation	
50	14-3-3 protein epsilon	YWHAE	P62259	-3.45	29155	4.63	cytoplasm	signaling regulation	
33	26S protease regulatory subunit 8	PSM3C	P62196	-5.39	45597	7.11	cytoplasm, nucleus	protein degradation	
27	26S proteasome non-ATPase regulatory subunit 13	PSM2D13	Q9N1W2	-1.82	42782	6.71	cytoplasm, nucleus	protein degradation	
66	26S proteasome non-ATPase regulatory subunit 9	PSM9D	Q9C900	-4.11	24705	6.00	nucleus	protein degradation	
95	28S ribosomal protein S36, mitochondrial	MRPS36	Q9CQX8	-19447	11094	9.99	mitochondria	mitochondrial small ribosomal subunit	
28	2-oxoisovalerate dehydrogenase subunit alpha, 27 (2',5'-biphosphate nucleoidase 1)	BCKDHA	P50136	-4.27	45674	6.05	mitochondria	amino acid catabolism	
27	3-(2',5'-biphosphate nucleoidase 1)	BNPT1	Q9Z0S1	-1.82	33175	5.54	unknown	phosphatidylinositol phosphorylation	
68, 70, 81	3,2-trans-enoyl-CoA isomerase, mitochondrial	DCI	P42125	-4.00	29110	7.77	mitochondria	fatty acid beta-oxidation	
54	3-hydroxybutyrate dehydrogenase, mitochondrial	HIBADH	Q9B171	39.87	37474	6.71	mitochondria	pentose phosphate metabolism	
29, 32, 33, 35, 36	3-ketoacyl-CoA thiolase, mitochondrial	ACAA2	Q9BWT1	-1.53	41831	8.33	mitochondria	fatty acid, lipid metabolism	
25	40S ribosomal protein SA	RP5A	P14206	-1.94	32817	4.80	cytoplasm, nucleus, memb	cytosolic small ribosomal subunit	
8, 17	60 kDa heat shock protein, mitochondrial	HSPD1	P63038	-2.35	60917	5.91	mitochondria	protein import, folding, and assembly	
41, 42, 43	60S acidic ribosomal protein P0	RPLP0	P14869	-4.14	34195	5.91	cytoplasm, nucleus	cytosolic large ribosomal subunit	
90	60S acidic ribosomal protein P2	RPLP2	P99227	-15155	11644	4.42	cytoplasm, nucleus	cytosolic large ribosomal subunit	
7	6-phosphofruktokinase	PFKB	P47857	2.21	85215	6.21	cytoplasm	carbohydrate catabolism	
60	6-phosphogluconolactonase	PGLS	Q9CQ60	-4.60	27237	5.55	cytoplasm	carbohydrate catabolism	
30, 37	Acetyl-CoA acetyltransferase, mitochondrial	ACAT1	Q8QZT1	-7.40	44787	8.71	mitochondria	ketone body metabolism	
3, 4, 5, 6, 7	Aconitate hydratase, mitochondrial	ACO2	Q99K10	2.32	85410	8.08	mitochondria	carbohydrate catabolism	
28, 29	Actin, alpha cardiac muscle 1	ACTC1	P68033	-4.16	41992	5.23	contractile apparatus	cardiac muscle contraction, cytoskeleton	
8, 9, 10	Actin, aortic smooth muscle	ACTA2	P62737	-3.63	41992	5.23	contractile apparatus	smooth muscle contraction, cytoskeleton	
25	Actin, cytoplasmic 1	ACTB	P68110	-173.26	41710	5.29	cytoskeleton	cytoskeleton	
91, 94	Acyl-coenzyme A thioesterase 13	ACOT13	Q9C9C4	-6.51	15173	8.95	cytoplasm, mitochondria	fatty acid metabolism	
29	Acyl-coenzyme A thioesterase 2	ACOT2	Q9QYR9	-4.00	49621	6.21	cytoplasm, mitochondria	fatty acid metabolism	
34	Acyl-coenzyme A thioesterase 9, mitochondrial	ACOT9	Q9R0X4	-1.68	50528	8.74	cytoplasm, mitochondria	fatty acid metabolism	
29	Adenosine kinase	ADK	P55264	-4.00	40123	5.84	cytoplasm	purine metabolism	
28	Adenosylhomocysteinase	AHCY	PS9247	-4.30	47057	6.08	cytoplasm	one-carbon metabolism	
68, 69	Adenylylate kinase 2, mitochondrial	AK2	Q9W7P6	-1.23	29552	6.86	mitochondria	nucleotide metabolism	
62, 63, 76	Adenylylate kinase isoenzyme 1	AK1	Q9R0Y5	-2.26	21526	5.67	cytoplasm	nucleotide metabolism	
51	Adiponectin	ADIPOQ	Q60994	-2.20	26842	5.30	secreted	fat metabolism	
44	Alcohol dehydrogenase [NADP+]	AKR1A1	Q9J116	-3.44	36545	6.90	cytoplasm	alcohol metabolism	
31	Alcohol dehydrogenase class-3	ADH5	P28474	-7.58	39522	6.97	cytoplasm	alcohol metabolism	
41, 42, 43	Aldehyde reductase	AKR1B1	P45376	-2.14	35709	6.71	cytoplasm	aldehyde reductase, metabolism	
29	Alpha-centractin	ACTR1A	P61164	-4.00	42587	6.19	cytoskeleton, cytoplasm	cytoskeleton, microtubule based vesicle motility	
83, 84	Alpha-crystallin B chain	CRYAB	P23927	-5.06	20056	6.76	cytoplasm, nucleus	chaperone, prevents aggregation of various proteins	
19	Annexin A11	ANXA11	P97384	2.62	54077	7.53	cytoplasm, nucleus	cytokinesis	
42, 43, 46	Annexin A2	ANXA2	P07356	-3.41	38652	7.55	secreted	extracellular matrix, basement membrane	
9	Annexin A7	ANXA7	Q07076	-2.14	49807	5.91	membrane, cytoplasm	promotes membrane fusion, involved in exocytosis	
97	Apolipoprotein A-I	APOA1	P04781	1.45	30561	5.44	secreted	reverse transport of cholesterol	
59	Apolipoprotein A-I-binding protein	APOA1BP	Q8K4Z3	-2.47	30953	7.59	secreted	Interacts with APOA1, APOA2	
30, 37	Aspartate aminotransferase, cytoplasmic	GOT1	P05201	-63.26	46202	6.68	cytoplasm	amino acid biosynthesis	
30, 37	Aspartate aminotransferase, mitochondrial	GOT2	P05202	-63.26	47381	9.13	mitochondria	amino acid biosynthesis	
12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24	ATP synthase subunit alpha, mitochondrial	ATPSA1	Q03265	7.22	55310	8.28	mitochondria	oxidative phosphorylation complex V	
8, 9	ATP synthase subunit beta, mitochondrial	ATPSB	P56480	-3.10	56265	5.20	mitochondria	oxidative phosphorylation complex V	
90	ATP synthase subunit delta, mitochondrial	ATPSD	Q9DQD9	-15155	17489	5.03	mitochondria	oxidative phosphorylation complex V	
96	ATP synthase subunit gamma, mitochondrial	ATP5C1	Q91VR2	-13.61	32865	9.06	mitochondria	oxidative phosphorylation complex V	
86	ATP synthase subunit O, mitochondrial	ATPSO	Q9DBD20	9.60	23349	10.00	mitochondria	oxidative phosphorylation complex V	
34, 36	Beta-enolase	ENO3	P21550	-2.10	46995	6.73	cytoplasm	glycolysis	
13, 16	Bifunctional purine biosynthesis protein PURH	ATIC	Q9C9J9	6.80	64177	6.30	cytoplasm	purine biosynthesis	
68	Bisphosphoglycerate mutase	BPGM	P19537	-4.10	29562	6.87	cytoplasm	glycolysis	
10	Calcineurin-2	CASQ2	Q09161	-8.00	48167	4.12	sarcoplasmic reticulum	regulation of cardiac muscle contraction by calcium sequestration	
68, 70	Carbonic anhydrase 1	CA1	P13634	-5.32	28303	6.44	cytoplasm	one-carbon metabolism	
65, 66	Carbonic anhydrase 2	CA2	P00920	-5.35	29014	6.49	cytoplasm	one-carbon metabolism	
71, 72	Carboxymethyleneubiquitinase homolog	CMBL	Q8R1G2	-3.20	27884	6.71	cytoplasm	hydrolase	
12, 13, 15, 16	Carnitine O-acetyltransferase	CRAT	P47934	22.40	70879	8.52	endoplasmic reticulum	fatty acid, lipid metabolism	
31	Cat eye syndrome critical region protein 5 homolog	CECR5	Q91VM2	-7.58	44930	7.35	unknown	cytoskeleton	
17	Catalase	CAT	P24270	9.17	59728	7.72	peroxisome	hydrogen peroxide catabolism	
62, 63	Catechol O-methyltransferase	COMT	Q88587	-2.09	29477	5.52	cytoplasm	catecholamine metabolism	
94	CDGSH iron sulfur domain-containing protein 1	CISD1	Q91WS0	-9.05	12089	9.17	mitochondria	oxidative phosphorylation (Fe-S cluster regulation)	
53	Citrate lyase subunit beta-like protein, mitochondrial	CLYBL	Q8R4N0	-2.44	35412	7.78	mitochondria	aromatic compound metabolism	
35, 36	Citrate synthase, mitochondrial	CS	Q9CZU6	1.67	51703	8.72	mitochondria	tricarboxylic acid cycle	
89	Cofilin-1	CFL1	P18760	-1.90	18548	8.22	cytoskeleton	regulates actin cytoskeleton dynamics, cytokinesis	
96	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	CHCHD3	Q9CRB9	-13.61	26318	8.56	mitochondria	maint. of mito crista integrity and function, regulation of BAG1 transcription	
93	COX assembly mitochondrial protein homolog	CMC1	Q9CPZ8	107.01	12544	8.52	mitochondria	oxidative phosphorylation (COX assembly)	
28	Creatine kinase B-type	CKB	Q04447	-4.27	42886	5.40	cytoplasm	energy transduction (phosphate)	
29, 32, 33	Creatine kinase M-type	CKM	P07310	-3.55	43018	6.58	cytoplasm	energy transduction (phosphate)	
35	Creatine kinase, sarcomeric mitochondrial	CKMT2	Q9P9L7	1.67	47443	8.64	cytoplasm	energy transduction (phosphate)	
32	Cysteine desulfurase, mitochondrial	NFS1	Q9Z1L3	-3.01	45348	6.86	mitochondria	cysteine biosynthesis	
1	Cysteine-IRNA synthetase, cytoplasmic	CARS	Q8ER72	-2.19	94800	6.32	cytoplasm	protein biosynthesis, cysteine tRNA aminoacylation	
9, 10	Cytochrome b-c1 complex subunit 1	UQCRC1	Q9CZ13	-3.66	52735	5.75	mitochondria	oxidative phosphorylation complex III	
36	Cytochrome b-c1 complex subunit 2, mitochondrial	UQCRC2	Q9DB77	-3.40	48205	9.26	mitochondria	oxidative phosphorylation complex III	
95	Cytochrome b-c1 complex subunit 7	UQCRC7	Q8D655	-19447	13519	9.10	mitochondria	oxidative phosphorylation complex III	
79, 80	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UQCRCF1	Q8QRC6	-4.16	29349	8.91	mitochondria	oxidative phosphorylation complex III	
54, 55	Cytochrome c1, heme protein, mitochondrial	CYC1	Q9D0M3	-2.03	27276	6.50	mitochondria	oxidative phosphorylation complex III	
10	Cytosolic non-specific dipeptidase	CNDP2	Q9D1A2	-7.95	52734	5.43	cytoplasm	proteolysis	
11, 12	Delta-1-pyrroline-5-carboxylate dehydrogenase	ALDH4A1	Q8CHT0	5.12	61772	8.58	mitochondria	proline metabolism	
41	Delta-aminolevulinic acid dehydratase	ALAD	P10518	-5.83	36300	6.32	cytoplasm	heme biosynthesis (porphyrin metabolism)	
89	Destrin	DSTN	Q9R0P5	-1.90	18509	8.14	cytoskeleton	actin filament depolymerization	
12, 15	Dihydropyridine-residue acetyltransferase component of pyruvate dehydrogenase complex	DLAT	Q8BMF4	65.10	67899	8.81	mitochondria	tricarboxylic acid cycle	
18	Dihydropyridine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex	DLS1	Q9D2G2	-7.34	48963	9.11	mitochondria	tricarboxylic acid cycle	
68, 70	Dihydropteridine reductase	QDPR	Q8BV14	-5.32	25554	7.67	mitochondria	tetrahydropterin biosynthesis	
13	Dihydroxyimino-lysine-related protein 2	DDPSL2	Q8H553	5.00	62239	5.95	cytoplasm	cytoskeleton organization	
83	Dual specificity protein phosphatase 3	DUSP3	Q9D7X3	-6.11	20459	5.07	nucleus	dephosphorylates ERK1 and ERK2	
9	Dynactin subunit 2	DCTN2	Q9KJL8	-2.14	44090	5.14	cytoplasm, cytoskeleton	mitotic spindle organization	
51	E-hand domain-containing protein D2	EFHD2	Q9D8Y0	-2.20	26775	5.01	membrane	negative regulator of canonical NF-kappa-B-activating branch	
53, 54	Electron transfer flavoprotein subunit alpha, mitochondrial	ETF1	Q99LC5	39.87	32366	7.10	mitochondria	mitochondrial electron transfer	
81, 96	Electron transfer flavoprotein subunit beta, mitochondrial	ETF2	Q9DQW4	68.42	27606	8.24	mitochondria	mitochondrial electron transfer	
12, 13, 16	Electron transfer flavoprotein-ubiquinone oxidoreductase	ETF1B	Q9DQW9	-3.45	24678	4.53	cytoplasm	mitochondrial electron transfer	
50	Elongation factor 1-beta	EEF1B	P07025	-3.45	24678	4.53	cytoplasm	protein biosynthesis, translation elongation	
39	Elongation factor 1-delta	EEF1D	P57776	-3.80	31274	4.91	cytoplasm	protein biosynthesis, translation elongation	
1, 2	Elongation factor G 1, mitochondrial	GFM1	Q8K0D5	-3.05	83496	6.48	mitochondria	protein biosynthesis, translation elongation	
52	Elongation factor Ts, mitochondrial	TSFM	Q9CZR8	-4.37	35312	6.62	mitochondria	protein biosynthesis, translation elongation	
28, 29, 33	Elongation factor Tu, mitochondrial	TUFM	Q8BFR5	-4.61	49477	7.23	mitochondria	protein biosynthesis, translation elongation	
65	Enoyl-CoA hydratase domain-containing protein 2, mitochondrial	ECHDC2	Q9H202	-1.54	31832	6.34	mitochondria	fatty acid, lipid metabolism	
68, 69, 70, 81	Enoyl-CoA hydratase, mitochondrial	ECHS1	Q8H9S5	-3.49	31454	8.76	mitochondria	fatty acid, lipid metabolism	
17	Epoxide hydrolase 2	EPHX2	P34914	9.17	29755	7.63	cytoplasm, peroxisome	aromatic hydrocarbon catabolism, lipid metabolism	
91, 92, 93	Fatty acid-binding protein, adipocyte	FABP4	P04117	270.24	28474	7.78	cytoplasm, nucleus	lipid transport chaperone	
79, 80	Flavin reductase	BLVRB	Q9Z3D2	-4.16	22183	6.49	cytoplasm	oxidoreductase, NADPH-dependent flavin reduction	
37, 38	Fructose-bisphosphate aldolase A	ALDOA	P05064	-8.10	39331	8.31	cytoplasm	glycolysis	
20, 34, 36	Fumarate hydratase, mitochondrial	FH	P97807	-2.10	49935	7.88	mitochondria	tricarboxylic acid cycle	
53	Fumarate hydratase domain-containing protein 2A	FAHD2	Q3TC72	-2.44	31919	6.42	mitochondria	hydrolase	
20, 21, 22	Glutamate dehydrogenase 1, mitochondrial	GLUD1	P28443	9.50	55912	6.71	mitochondria	tricarboxylic acid cycle, glutamine anaplerosis	
32	Glutamine synthetase	GLUL	P15105	3.01	42092	6.64	cytoplasm, mitochondria	glutamine biosynthesis	
26, 27	Glutaredoxin-2	GLRX3	Q9D0A9	-2.17	37745	5.42	cytoplasm	oxidoreductase	
76	Glutathione peroxidase 1	GPX1	P11352	-2.52	22316	6.74	cytoplasm	oxidoreductase	
72, 77, 82	Glutathione S-transferase Mu 1	GSTM1	P10649	-3.10	25953	7.71	cytoplasm	oxidoreductase	
79	Glutathione S-transferase Mu 2	GSTM2	P15626	-6.44	25700	6.90	cytoplasm	oxidoreductase	
73	Glutathione S-transferase Mu 5	GSTM5	P48774	-3.80	26617	6.82	cytoplasm	oxidoreductase	
55	Glutathione S-transferase omega-1	GSTO1	Q09131	-2.06	27480	6.92	cytoplasm	oxidoreductase	
43, 47, 48, 49	Glyceroldehyde-3-phosphate dehydrogenase	GAPDH	P16858	-3.27	35787	8.45	cytoplasm	glycolysis	

29,30,32	Medium-chain specific acyl-CoA dehydrogenase	ACADM	P49592	-3.03	43592	7.69	mitochondria	fatty acid beta-oxidation
59	Metaxin-2	MTX2	O88441	-2.47	29739	5.44	mitochondria	protein transport into mitochondria
3	Methylcrotonoyl-CoA carboxylase subunit alpha	MCCC1	Q99MR8	-2.82	79293	7.70	mitochondria	leucine catabolism
18,19	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	ALDH6A1	Q9EQ20	2.62	54605	7.02	mitochondria	valine and pyrimidine metabolism
27	Methylthiobiose-1-phosphate isomerase	MR11	Q9CQT1	-1.82	39386	5.60	cytoplasm	methionine biosynthesis via salvage pathway
13	Mitochondrial inner membrane protein	IMMT	Q8CA08	5.00	83848	6.18	mitochondrial membrane	Ca ion homeostasis
20	Mitochondrial-processing peptidase subunit alpha	PMPCA	Q9DC61	1444	54712	5.85	mitochondria	peptidase, cleaves transit peptides from mito protein precursors
31	Mitogen-activated protein kinase 1	MAPK1	P63085	-7.58	41249	6.50	cytoplasm	signaling kinase
3	Moesin	MSN	P26041	-2.82	67725	6.22	cytoskeleton	connections of cytoskeletal structures to plasma membrane
32,33	Multifunctional protein ADE2	PAIC5	Q8DCL9	-3.50	47040	6.94	cytoplasm	purine biosynthesis
57,58,59	Myosin light chain 3	MYL3	P95443	-9.25	12568	10.17	mitochondria	cardiac muscle contraction, regulatory light chain
29	NAD kinase 2, mitochondrial	NADK2	Q8Q5H8	-4.00	50827	8.31	mitochondria	phosphorylates NAD+ to NADP+
96	NAD(P)H dehydrogenase [quinone] 1	NQO1	Q64669	-13.41	30940	8.74	cytoplasm	oxidoreductase
27,29,31	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10	NDUFA10	Q99L3C	-3.30	40578	7.63	mitochondria	oxidative phosphorylation complex I
91,92	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11	NDUFA11	Q9D884	460.41	14972	8.63	mitochondria	oxidative phosphorylation complex I
94	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NDUFA6	Q9CQZ5	-9.005	15273	10.10	mitochondria	oxidative phosphorylation complex I
94	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUFA7	Q921P6	-9.25	12568	10.17	mitochondria	oxidative phosphorylation complex I
86	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUFB10	Q9DC59	9.60	21010	8.19	mitochondria	oxidative phosphorylation complex I
85	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	NDUFB9	Q9CQ38	1386.3	21970	7.67	mitochondria	oxidative phosphorylation complex I
20,22,23	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUFV1	Q91YT0	9.84	50802	8.51	mitochondria	oxidative phosphorylation complex I
97	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUFV2	Q9D6J6	-3.45	27268	7.00	mitochondria	oxidative phosphorylation complex I
28,33	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUFS2	Q91WDS	-4.81	46229	5.89	mitochondria	oxidative phosphorylation complex I
63,70	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUFS3	Q54722	-4.21	43927	5.43	mitochondria	oxidative phosphorylation complex I
94	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5	NDUFS5	Q99LY9	-9.005	12639	9.10	mitochondria	oxidative phosphorylation complex I
62	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	NDUFS8	Q8K3J1	-1.80	24023	5.89	mitochondria	oxidative phosphorylation complex I
11,12,13	NADP-dependent malic enzyme	ME1	P06801	5.10	63958	7.16	cytoplasm	oxidoreductase, malate metabolism to pyruvate
55	Nitrilase homolog 2	NIT2	Q8JHW2	-2.03	30483	6.44	cytoplasm	omega-amidase activity (nitrogen metabolism)
88,89	Nucleoside diphosphate kinase B	NME2	Q01768	-2.10	17352	6.97	cytoplasm	nucleotide metabolism
33	Ogg-like ATPase 1	OLA1	Q9CZ30	-5.29	44701	7.64	cytoplasm	ATP and GTP catabolism
28,33	Ornithine aminotransferase	OAT	P29758	-4.81	45790	5.73	mitochondria	proline biosynthesis
9	Peptidase M20 domain-containing protein 2	PM20D2	A3K559	-2.14	46452	5.15	unknown	hydrolase
86	Peroxiredoxin-1	PRDX1	P35700	9.60	22162	8.26	cytoplasm	oxidoreductase
62	Peroxiredoxin-2	PRDX2	Q61171	-1.80	21765	5.20	cytoplasm	oxidoreductase
89	Peroxiredoxin-5, mitochondrial	PRDX5	P98629	-1.90	17014	7.70	mitochondria	oxidoreductase
61,72,73,74,77,79	Peroxiredoxin-6	PRDX6	O8D709	-4.30	24855	5.71	cytoplasm	oxidoreductase
1,12,13,16	Phosphoglucomutase-1	PGM1	Q9D0F9	12.31	61479	6.30	cytoplasm	carbohydrate, glucose metabolism (G1P to G6P)
29,32,35,36	Phosphoglycerate kinase 1	PGK1	P09411	1.67	44522	8.02	cytoplasm	glycolysis
67,68,69	Phosphoglycerate mutase 1	PGAM1	Q9DBJ1	-3.92	28814	6.67	cytoplasm	glycolysis
96	Phosphoglycerate mutase 2	PGAM2	O70250	-13.41	28809	8.65	cytoplasm	glycolysis
39	Phosphoglycerate phosphatase	PGP	Q8CHP8	-379.6	34519	5.21	cytoplasm	carbohydrate metabolism
70	Phosphomannomutase 2	PM22	Q9Z2M7	-4.62	27639	6.01	cytoplasm	mannose biosynthesis
31	Phosphotriesterase-related protein	PTER	Q60866	-7.58	39193	6.18	cytoplasm	hydrolase
33	Poly(C)-binding protein 1	PCBP1	P60335	-7.58	37474	6.66	nucleus	nucleonucleoprotein, mRNA processing
8,10	Polymerase I and transcription release factor	PTRF1	Q54722	-4.21	43927	5.43	mitochondria	transcription regulation and termination
1	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	PNP1	Q8K1R3	-2.19	80803	6.68	mitochondria	mRNA processing
91,92,93	Profilin-1	PFN1	P62962	270.24	14948	8.46	cytoskeleton	actin cytoskeleton organization
61,65,66	Prohibitin	PHB	P67778	-7.00	29802	5.57	mitochondria	inhibition of DNA synthesis
26	Prostaglandin reductase 2	PTGR2	Q8VDQ1	-173.26	37991	5.27	cytoplasm	prostaglandin metabolism
65	Proteasome activator complex subunit 1	PSME1	P97371	-915.43	28655	5.73	proteasome	protein degradation
65	Proteasome subunit alpha type-2	PSMA2	P94922	-5.29	25909	6.32	proteasome	protein degradation
65,66	Proteasome subunit alpha type-3	PSMA3	O70435	-5.35	28387	5.29	proteasome	protein degradation
75,80	Proteasome subunit beta type-3	PSMB3	Q9R1P1	-2.66	22949	6.15	proteasome	protein degradation
64	Proteasome subunit beta type-7	PSMB7	P70195	-3.67	25252	5.84	proteasome	protein degradation
27	Protein ADP-ribosylarginine hydrolase-like protein 1	ADPRHL1	Q8BGK2	-1.82	39860	5.62	unknown	hydrolase (protein de-ADP-ribosylation)
9	Protein disulfide-isomerase A6	PDI6	Q5Z2R8	-2.14	48070	5.00	endoplasmic reticulum	chaperone, rearranges protein disulfide bonds
63,76	Protein DJ-1	PARK7	P99LX0	-2.90	20008	6.32	cytoplasm, mitochondria	chaperone, hydrolase, protease
79,80	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	PCMT1	P23506	-4.16	24619	7.10	mitochondria	repair and/or degradation of damaged proteins
60	Putative ATP-dependent Clp protease proteolytic subunit, mitochondrial	CLPP	O88696	-4.60	29781	7.05	mitochondria	catabolism of misfolded or incompletely synthesized proteins
28,33	Pyruvate dehydrogenase [lipoamide] kinase isozyme 1, mitochondrial	PDK1	Q8BFP9	-4.81	46159	6.46	mitochondria	tricarboxylic acid cycle regulation
32	Pyruvate dehydrogenase [lipoamide] kinase isozyme 2, mitochondrial	PDK2	Q9JK42	-3.01	46039	6.13	mitochondria	tricarboxylic acid cycle regulation
28,29,30,32,33,34	Pyruvate dehydrogenase E1 component subunit alpha, somatic	PDH1A	P35486	-2.56	40180	6.78	mitochondria	tricarboxylic acid cycle
27	Pyruvate dehydrogenase E1 component subunit beta, somatic	PDH1B	Q9D951	-1.82	38912	6.41	mitochondria	tricarboxylic acid cycle
10	Pyruvate dehydrogenase protein X component	PDX	Q8BK29	-7.96	53965	7.63	mitochondria	tricarboxylic acid cycle
70	Regulator of microtubule dynamics protein 1	FAM82B	Q9DCV4	-4.62	34978	8.85	cytoskeleton	microtubule binding
20,21	Retinal dehydrogenase 1	ALDH1A1	P24549	1444	54433	7.92	cytoplasm	cofactor, retinol metabolism
58	Rho GDP-dissociation inhibitor 1	ARHGDI1	Q99PT1	-4.10	23303	5.12	cytoplasm	GTPase activation, Rho signal transduction
71	Ribosylhydronicotinamide dehydrogenase [quinone]	NQO2	Q9J175	-2.70	26231	6.54	cytoplasm	oxidoreductase
19,20,21	Sarcoplumenin (NOTE: carboxy-terminal fragment only)	SRL	Q7TQ48	-259.9	99123	4.39	sarcoplasmic reticulum	regulation of calcium transport
20	Selenium-binding protein 1	SELENBP1	P17563	1444	52480	5.87	nucleus, cytoplasm	Se-binding, intra-Golgi protein transport
59,61,71	Septaplerin reductase	SPR	Q64105	-3.80	27865	5.58	cytoplasm	tetrahydrobiopterin biosynthesis
33	S-formylglutathione hydrolase	ESD	Q8R0P3	-2.44	31299	6.70	cytoplasm	formaldehyde catabolism
30,31	Short-chain specific acyl-CoA dehydrogenase 3	ACADS	O07417	-3.89	42231	7.12	mitochondria	fatty acid beta-oxidation
31	Sorbitol dehydrogenase	SORD	Q64442	-7.58	38225	6.56	mitochondria	fructose biosynthesis
20,21	Sorting and assembly machinery component 50 homolog	SAMM50	Q8BGH2	1444	51831	6.34	mitochondria	protein import into mitochondrial outer membrane
14	Succinate dehydrogenase [ubiquinone] flavoprotein subunit	SDHA	Q8K2B3	14.68	72539	7.06	mitochondria	tricarboxylic acid cycle
96	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	SDHB	Q9CQA3	-13.46	31793	6.96	mitochondria	tricarboxylic acid cycle
18	Succinate-semialdehyde dehydrogenase	ALDH5A1	O8BWF0	-7.34	52011	7.12	mitochondria	oxidoreductase
29	Succinyl-CoA ligase [ADP-forming] subunit beta	SUCLA2	Q9Z219	-3.98	50082	6.57	mitochondria	tricarboxylic acid cycle
18,19	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1,	OXCT1	Q9D0K2	2.62	51876	7.01	mitochondria	ketone catabolism
86	Superoxide dismutase [Mn], mitochondrial	SOD2	P09671	9.60	22222	7.30	mitochondria	oxidoreductase
19	T-complex protein 1 subunit beta	CTC2	Q90314	2.82	57441	5.97	cytoplasm	chaperone, assists protein folding upon ATP hydrolysis
11	T-complex protein 1 subunit epsilon	CTC5	P80316	2.45	59586	5.72	cytoplasm	chaperone, assists protein folding upon ATP hydrolysis
16	T-complex protein 1 subunit gamma	CTC3	P80318	14.84	60591	6.28	cytoplasm	chaperone, assists protein folding upon ATP hydrolysis
59	Thiamin pyrophosphokinase 1	TPK1	Q9R0M5	-2.47	27051	5.44	cytoplasm, mitochondria	thiamine metabolism
97	Thioredoxin-dependent peroxide reductase, mitochondrial	PRDX3	P20108	-3.45	21564	5.73	mitochondria	oxidoreductase
39	Thioredoxin-like protein 1	TNL1	Q8CDN6	-3.80	32217	4.84	cytoplasm	oxidoreductase
14	Transketolase	TKT	P10142	14.68	67589	7.23	cytoplasm	pentose phosphate metabolism
65,66	Translational activator of cytochrome c oxidase 1	TACO1	Q8K0Z7	-5.35	32293	8.35	mitochondria	translation regulation
6,7	Trifunctional enzyme subunit alpha	HADHA	Q8BMS1	2.42	78765	9.06	mitochondria	fatty acid beta-oxidation
36	Trifunctional enzyme subunit beta, mitochondrial	HADHB	Q99JY0	-3.38	47578	9.24	mitochondria	fatty acid beta-oxidation
59,61,71,72,73,74,77,78,82	Triosephosphate isomerase	TFPI	P17751	-3.80	26696	6.90	cytoplasm	glycolysis
18,19,20,21,22	Tripartite motif-containing protein 72	TRIM72	Q1X1H7	5.22	52783	6.01	membrane	exocytosis, transport, nucleation of protein membrane repair machinery
39	Tropomyosin alpha-1 chain	TPM1	P58771	-3.80	32661	4.69	contractile apparatus	Ca-dependent regulation of striated muscle contraction
50	Tropomyosin alpha-4 chain	TPM4	Q6R1R2	-3.45	28450	4.65	contractile apparatus	Ca-dependent regulation of striated muscle contraction
65,66,96	Troponin I, cardiac muscle	TNNI3	P48787	-9.50	24244	9.57	contractile apparatus	confers Ca-sensitivity to striated muscle actomyosin ATPase activity
30	Troponin T, cardiac muscle	TNNT2	P50752	-2.72	35804	4.98	contractile apparatus	confers Ca-sensitivity to striated muscle actomyosin ATPase activity
8	Tubulin alpha-1B chain	TUBA1B	P05213	-3.57	50120	4.94	cytoskeleton	major microtubule constituent, GTP binding
10	Tubulin alpha-4A chain	TUB4A	P68368	-7.95	49892	4.95	cytoskeleton	major microtubule constituent, GTP binding
8,10	Tubulin beta-2C chain	TUBB2C	P68372	-4.21	49799	4.79	cytoskeleton	major microtubule constituent, GTP binding
55	Ubiquinone biosynthesis methyltransferase COQ5, mitochondrial	COQ5	Q9CX10	-2.03	31700	5.53	mitochondria	ubiquinone biosynthesis
87	Ubiquinone biosynthesis protein COQ7 homolog	COQ7	P97478	-19.12	20495	5.64	mitochondria	ubiquinone biosynthesis
51	Ubiquinone biosynthesis protein COQ9, mitochondrial	COQ9	Q8K1Z0	-2.20	35061	5.60	mitochondria	ubiquinone biosynthesis
58	Ubiquitin carboxyl-terminal hydrolase isozyme L1	UCHL1	Q8R0P9	-4.07	24822	5.14	cytoplasm	ubiquitination pathway
57	Ubiquitin carboxyl-terminal hydrolase isozyme L3	UCHL3	Q90K81	-2.18	26135	4.96	cytoplasm	ubiquitination pathway
63	Ubiquitin-conjugating enzyme E2 K	UBE2K	P61087	-4.70	22393	5.33	cytoplasm	ubiquitination pathway
71	UPF0568 protein C14orf166 homolog	C14ORF166	Q9QC08	-2.70	28135	6.40	nucleus	transcription regulation
19,21,22	UTP-glucose-1-phosphate uridylyltransferase	UGP2	Q91ZJ5	4.18	56944	7.18	cytoplasm	metabolism, glucosyl donor
84	Vacuolar protein sorting-associated protein 29	VPS29	Q8QZ88	-6.11	20483	6.29	cytoplasm	protein transport, endosome to trans-Golgi network
12,13,14,15,16	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADVL	P50544	21.24	86337	7.72	mitochondria	fatty acid beta-oxidation
49	Voltage-dependent anion-selective channel protein 1	VDAC1	Q60932	1.70	30737	8.62	membrane	ion transport, outer mitochondrial and plasma membrane
53	Voltage-dependent anion-selective channel protein 2	VDAC2	Q60930	-2.44	31713	7.44	mitochondria	ion transport, outer mitochondrial membrane
14	WD repeat-containing protein 1	WDR1	O88342	14.68	66365	6.11	cytoskeleton	disassembly of actin filaments
10	Xaa-Pro dipeptidase	PEPD	Q11136	-8.00	54993	5.50	cytoplasm	collagen degradation
31	Zinc-binding alcohol dehydrogenase domain-containing protein 2	ZADH2	Q8BGC4	-7.60	40503	7.01	peroxisome	oxidoreductase
9	Alpha-2-HS-glycoprotein	AHS2	P28699	-3.57	37302	6.04	secreted	endocytosis, Ca-phosphate transport
39	Annexin A5	AN						