

MMP12 Elastin Human Aorta LC-MS/MS Proteomics.

MS/MS sample name	Protein name	Gene Symbol	Protein accession number	Protein molecular weight (kDa)	Protein identification probability	Exclusive unique peptide count	Exclusive unique spectrum count	Exclusive unique spectrum count	Percentage total sequence coverage	Percentage total sequence coverage	Peptide sequence	Previous amino acid	Next amino acid	Best Peptide probability	Best SEQUEST XCorr score	Best SEQUEST DC score	Number of identified +1H spectra	Number of identified +2H spectra	Number of identified +3H spectra	Number of identified +4H spectra	Calculated +1H Peptide Mass (AMU)	Total TIC
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	KVPGVGLPG	G	V	99.70%	2.14	0.550	0	1	0	0	823.5038	7.83E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VRGVVSPFA	A	V	99.70%	2.29	0.486	2	0	0	0	854.4618	3.58E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AFVAVTFPG	G	A	99.70%	2.06	0.597	2	0	0	0	906.4720	3.25E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VLLGGALGGV	G	G	99.70%	2.15	0.388	1	0	0	0	912.5515	4.41E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AIPIGGIAGV	G	G	99.70%	2.78	0.420	0	2	0	0	924.5515	3.37E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGVVSPFAA	A	A	99.70%	2.44	0.405	1	0	0	0	925.4989	8.65E+04
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVVPGAGLG	G	A	99.70%	2.00	0.437	1	0	0	0	937.4779	7.90E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVVPGVGVGGV	A	G	99.70%	2.47	0.503	5	0	0	0	950.4732	4.65E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LVVPGVGGV	K	A	99.70%	2.48	0.519	2	0	0	0	979.4885	4.10E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AIPIGGIAGV	G	T	99.70%	2.60	0.555	0	2	0	0	981.5730	1.73E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FGLSIFPFG	G	A	99.70%	2.12	0.439	3	0	0	0	991.5249	1.03E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGGIAGP	V	A	99.70%	2.01	0.323	4	0	0	0	991.5574	3.91E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVVPGVGVGGV	A	I	99.70%	2.29	0.384	1	0	0	0	1007.4947	1.59E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVLLGAGQFPL	G	G	99.70%	2.17	0.511	2	0	0	0	1016.5414	3.01E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FAGIPGVVFG	A	G	99.70%	2.14	0.534	2	0	0	0	1018.5358	2.19E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGGIAGP	V	A	99.70%	2.11	0.456	1	0	0	0	1026.5104	5.79E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	ALGVGIPGGV	G	A	99.70%	2.20	0.396	3	0	0	0	1052.6101	1.05E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLVSVAGVVPQ	G	P	99.70%	2.00	0.434	2	0	0	0	1055.5733	3.07E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LVGAGVGVPPGV	G	V	99.70%	2.34	0.439	1	0	0	0	1066.6258	1.96E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGVSPF	G	A	99.70%	2.29	0.405	0	0	0	0	1067.5733	1.56E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	ARFPGVGLPG	G	V	99.70%	2.02	0.452	0	1	0	0	1069.6154	6.15E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVLLGAGQFPL	L	G	99.70%	2.31	0.442	2	2	0	0	1073.5629	1.75E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FAGIPGVVFG	A	P	99.70%	2.41	0.477	3	0	0	0	1075.5573	1.59E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LVGVPVPLGV	G	A	99.70%	2.26	0.391	1	0	0	0	1080.6414	5.55E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGLVPGVGGV	A	V	99.70%	2.30	0.490	0	2	0	0	1082.5632	2.43E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	YVGGAGVGGV	T	V	99.70%	2.22	0.410	1	0	0	0	1085.5052	3.73E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AARPGFLSPI	V	F	99.70%	2.83	0.420	0	3	0	0	1085.6103	3.67E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	RVGFLSPF	A	P	99.70%	2.14	0.514	0	0	0	0	1090.6045	9.07E+04
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FPGALVGGVAD	T	A	99.70%	2.32	0.570	6	0	0	0	1099.5784	5.07E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGVPPVPGAGV	A	A	99.70%	2.22	0.412	2	0	0	0	1104.6414	1.92E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGGVGGV	G	L	99.70%	2.13	0.399	1	0	0	0	1108.5788	5.22E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GALGVGIPGGV	L	A	99.70%	2.42	0.524	1	0	0	0	1109.6316	2.15E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLVPGVGGV	A	V	99.70%	2.43	0.242	6	4	0	0	1110.5945	1.26E+08
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGGV	G	A	99.70%	2.23	0.452	0	1	0	0	1118.6570	4.19E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGGAGVGGV	G	G	99.70%	2.03	0.439	1	0	0	0	1120.5787	7.55E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLGALGVGGV	G	V	99.70%	3.04	0.435	0	1	0	0	1123.6473	6.88E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGVGLSPFA	A	A	99.70%	2.05	0.558	3	1	0	0	1125.5788	1.19E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLGVLGGAGQFP	A	L	99.70%	2.66	0.585	2	0	0	0	1130.5844	1.53E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLGAVVTFPG	A	A	99.70%	3.03	0.689	0	2	0	0	1133.5991	9.46E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGGVGLVGGV	A	Q	99.70%	2.38	0.503	3	0	0	0	1135.6104	1.46E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FPVGGVGLPG	R	G	99.70%	2.20	0.590	9	0	0	0	1139.6461	1.20E+08
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AFAGIPGVVFG	G	P	99.70%	2.14	0.507	1	0	0	0	1146.5944	1.33E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGGV	A	I	99.70%	2.42	0.414	2	0	0	0	1147.6473	6.28E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGGVGGV	L	A	99.70%	3.47	0.562	0	5	0	0	1147.6473	3.71E+07
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LVGVLGGVGGV	G	G	99.70%	2.13	0.454	1	0	0	0	1151.6786	1.09E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGLVPGVGGV	A	V	99.70%	2.35	0.493	0	2	0	0	1153.6003	1.60E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLGALGVGGV	G	K	99.70%	2.79	0.349	0	1	0	0	1164.6739	3.68E+05
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VVPGVGGV	P	L	99.70%	2.20	0.415	1	0	0	0	1166.5844	3.12E+06
082817_S1 Isoform 2 of Elastin	Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266																

082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	A	99.70%	3.92	0.561	0	4	0	0	1824.0382	1.92E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGGAGVPGVPAIPGGIAGVG	G	T	99.70%	2.78	0.346	0	1	0	0	1829.0284	4.86E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AFAGIPGVFPFGQPQVPL	G	G	99.70%	2.64	0.487	0	2	0	0	1834.9854	7.94E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGVGVGAGIPVPPVGGIPG	G	A	99.70%	2.36	0.525	0	2	0	0	1838.0538	1.76E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	A	99.70%	4.38	0.457	0	5	0	0	1843.9916	4.02E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGVGVGAGIPVPPVGGIPG	G	Q	99.70%	3.84	0.468	0	3	0	0	1858.0072	4.19E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVGVGVGAGIPVPPVGGIPG	P	A	99.70%	3.62	0.518	0	1	0	0	1861.9658	1.47E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LGGLGVGLVPGVGLGGIPPA	G	A	99.70%	3.54	0.533	0	3	0	0	1871.0755	2.10E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	V	G	99.70%	4.41	0.331	0	2	0	0	1881.0596	1.13E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	A	99.70%	3.03	0.286	0	1	0	0	1895.0753	2.53E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGVPGVGVGAGIPVPPVGGIPG	G	A	99.70%	3.65	0.504	0	7	0	0	1895.0753	3.48E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	Q	99.70%	4.52	0.572	0	8	0	0	1915.0287	4.60E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLGLGVGLVPGVGLGGIPPA	A	A	99.70%	4.12	0.524	0	6	0	0	1928.0970	9.36E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	V	I	99.70%	3.10	0.411	0	2	0	0	1938.0811	2.95E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGVPGVGVGAGIPVPPVGGIPG	G	G	99.70%	3.14	0.481	0	2	0	0	1951.1378	1.51E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GAGVPGVGVGAGIPVPPVGGIPG	P	A	99.70%	3.94	0.405	0	1	0	0	1952.0968	1.46E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGVGVGAGIPVPPVGGIPG	V	A	99.70%	2.39	0.482	0	1	0	0	1959.0186	8.68E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGVPGVGVGAGIPVPPVGGIPG	G	A	99.70%	3.58	0.371	0	3	0	0	1966.1124	9.50E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVLPVGVGAGIPVPPVGGIPG	A	A	99.70%	2.57	0.350	0	1	0	0	1968.1282	2.06E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGLVGVGVGLVSGAVVPPQPG	G	A	99.70%	2.53	0.394	0	1	0	0	1974.0659	4.16E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGLVGVGVGLVSGAVVPPQPG	A	A	99.70%	3.80	0.530	0	5	0	0	1999.1341	1.55E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGVPGVGVGAGIPVPPVGGIPG	G	A	99.70%	2.69	0.509	0	5	1	0	2008.1593	3.69E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GAGLVGVGVGLVSGAVVPPQPG	A	A	99.70%	2.23	0.484	0	1	0	0	2031.0874	4.31E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	A	99.70%	3.03	0.604	0	2	0	0	2044.0714	2.27E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGVGVGAGIPVPPVGGIPG	V	A	99.70%	2.96	0.401	0	1	0	0	2049.1496	6.60E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGVGVGAGIPVPPVGGIPG	G	A	99.70%	4.29	0.613	0	3	0	0	2058.0870	1.29E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVVPGVGVGAGIPVPPVGGIPG	P	A	99.70%	3.10	0.441	0	3	0	0	2065.1808	4.34E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AAVLGVGLVGVGAGIPVPPVGGIPG	G	A	99.70%	2.36	0.557	0	1	0	0	2070.1712	1.87E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VGVPGVGVGAGIPVPPVGGIPG	G	G	99.70%	2.46	0.394	0	1	0	0	2079.1964	7.08E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VAGVPGVGVGAGIPVPPVGGIPG	G	Q	99.70%	3.98	0.563	0	2	0	0	2085.1342	2.56E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGVGAGIPVPPVGGIPG	A	A	99.70%	4.06	0.630	0	6	0	0	2115.1085	2.39E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VAGVPGVGVGAGIPVPPVGGIPG	G	A	99.70%	2.73	0.319	0	0	1	0	2285.2140	2.97E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VAGVPGVGVGAGIPVPPVGGIPG	G	A	99.70%	4.68	0.459	0	4	0	0	2014.0971	1.11E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	RPVGVGGIPT	A	Y	99.70%	1.74	0.839	0	1	0	0	1009.5791	3.30E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	ARPGFGLSP	A	F	99.70%	1.97	0.407	0	5	0	0	1014.5732	1.31E+08
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVLVGGAGFP	G	G	99.70%	1.84	0.438	0	1	0	0	1073.5629	4.85E+04
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	LVGGALVGGKPL	A	K	99.70%	1.97	0.162	0	1	0	0	1093.6368	2.76E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AGGPFVGVGGIPG	G	V	99.30%	1.77	0.544	0	1	0	0	1345.6902	1.23E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GARFPGVLPVPT	P	G	99.20%	1.91	0.426	0	1	0	0	1423.8058	9.09E+04
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	AAVLGVGGAGVPPVGGIPG	G	A	99.70%	1.83	0.476	0	1	0	0	1431.7957	1.10E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	VPGAIPGGIAGVGTGA	G	A	99.70%	1.95	0.432	0	1	0	0	1503.8533	3.86E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	RPVGVGGIP	A	F	99.70%	1.95	0.438	0	8	0	0	943.5361	2.12E+08
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	APVGVGGV	V	A	99.70%	1.74	0.129	2	0	0	0	724.3990	1.51E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GGVPGV	A	G	99.70%	1.76	0.365	7	0	0	0	737.3618	1.15E+08
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	SPVPGGA	L	C	99.70%	1.86	0.163	6	0	0	0	745.3880	1.14E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGSPE	V	A	98.80%	1.90	0.434	1	0	0	0	755.2935	2.35E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FPVGVGV	G	G	98.80%	1.94	0.417	1	0	0	0	779.4087	1.98E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GLVGLVGG	A	G	99.70%	1.69	0.145	1	0	0	0	799.4675	7.85E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GGVGVGGV	L	G	99.70%	1.65	0.177	1	0	0	0	811.4674	1.37E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FPVGVGV	G	G	99.00%	1.78	0.557	1	0	0	0	836.4302	5.15E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVFPVGV	V	V	99.70%	1.84	0.302	5	0	0	0	841.4205	5.92E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GAGVFPVGV	V	G	99.70%	1.63	0.331	1	0	0	0	865.4204	3.97E+05
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	PGVGVGGV	L	A	99.70%	1.58	0.351	2	0	0	0	866.4044	6.38E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GGVPGVGV	A	G	99.70%	1.81	0.445	4	0	0	0	893.4517	4.07E+07
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	GVPGVGGV	A	G	99.70%	1.69	0.108	3	0	0	0	894.5045	7.91E+06
082817_S4 Isoform 2 of Elastin	ELN	sp P15502-2 ELN	62632.4	100.00%	266	325	740	2.25%	58.60%	FPVGVGGV	T	A	99.70%	1.95	0.193	4	0	0	0	913.5143	3.42E+0