

Confidence	Annotated Sequence	Modifications	Modifications in Master Proteins	Quality PEP	# Protein Groups	# Proteins	# PSMs	Master Protein Accessions	Positions in Master Proteins	# Missed Cleavages	Theo. MH+ [Da]	Area	XCorr Sequest HT	Percolator PEP Sequest HT
Sample 1: GST-human-alpha-synuclein														
High	[K] DQLGKNEEGAPQEGILE [D]	1xDeamidated [Q/N]		0.295616	1	1	2	P37840	P37840 [98-114]	0	1827.861		3.03	0.09555
High	[K] DQLGKNEEGAPQEGILE [D]			0.113369	1	1	52	P37840	P37840 [98-114]	0	1826.877	3.438E+10	4.06	0.01139
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 2xOxidation [M2; M13]		0.117772	1	1	6	P37840	P37840 [115-134]	2	2348.869	1.36E+07	3.34	0.06376
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	2xOxidation [M2; M13]		0.0682636	1	1	9	P37840	P37840 [115-134]	2	2347.885	7.98E+08	4.08	0.04114
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xOxidation [M]		0.0479158	1	1	28	P37840	P37840 [115-134]	2	2331.89	9.44E+09	4.31	0.02912
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]		0.0807857	1	1	8	P37840	P37840 [115-134]	2	2316.88	1.04E+08	3.2	0.01904
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]			0.0856223	1	1	18	P37840	P37840 [115-134]	2	2315.895	7.49E+10	3.83	0.1135
High	[V] DPDNEAYEMPSEEGYQ [D]	1xOxidation [M9]		0.337442	1	1	1	P37840	P37840 [119-134]	1	1889.702		2.28	0.1296
High	[V] DPDNEAYEMPSEEGYQ [D]			0.123083	1	1	1	P37840	P37840 [119-134]	1	1873.707	3.28E+07	3.42	0.01373
High	[P] DNEAYEMPSEEGYQ [D]			0.264749	1	1	1	P37840	P37840 [121-134]	0	1661.627	1.72E+08	2.58	0.07563
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 1xOxidation [M]		0.144208	1	1	5	P37840	P37840 [115-134]	2	2332.874	1.77E+07	2.17	0.03937
Sample 2: GST-human-alpha-synuclein + PLK2														
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 1xPhospho [Y/S]	P37840 1xPhospho [Y/S]	0.0665305	1	1	3	P37840	P37840 [115-134]	2	2396.846	1.09E+06	0.99	0.1184
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xPhospho [S15]	P37840 1xPhospho [S129]	0.0407565	1	1	7	P37840	P37840 [115-134]	2	2395.862	3.97E+06	1.52	0.1175
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 2xOxidation [M2; M13]		0.0920485	1	1	7	P37840	P37840 [115-134]	2	2348.869	6.09E+06	1.6	0.1192
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 1xOxidation [M13]		0.0937557	1	1	1	P37840	P37840 [115-134]	2	2332.874		1.53	0.08202
High	[K] DQLGKNEEGAPQEGILE [D]			0.000930656	1	1	96	P37840	P37840 [98-114]	0	1826.877	9.59E+09	4.39	0.001511
High	[K] DQLGKNEEGAPQEGILE [D]	1xDeamidated [Q/N]		0.0742859	1	1	2	P37840	P37840 [98-114]	0	1827.861	5.66E+09	2.82	0.06733
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	2xOxidation [M2; M13]		0.0016654	1	1	27	P37840	P37840 [115-134]	2	2347.885	7.50E+09	3.66	0.05495
High	[V] DPDNEAYEMPSEEGYQ [D]			0.0080647	1	1	1	P37840	P37840 [119-134]	1	1873.707	6.23E+07	2.95	0.001417
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]			0.00016667	1	1	46	P37840	P37840 [115-134]	2	2315.895	8.99E+10	3.79	0.0002485
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]		0.0633488	1	1	2	P37840	P37840 [115-134]	2	2316.88		1.3	0.09064
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xOxidation [M]		2.71515E-05	1	1	63	P37840	P37840 [115-134]	2	2331.89	2.22E+10	4.54	0.0009369
Sample 3: human-alpha-synuclein (Proteo, chemically induced Ser129P)														
High	[K] DQLGKNEEGAPQEGILE [D]			0.240579	1	1	53	P37840	P37840 [98-114]	0	1826.877	1.74E+10	3.63	0.002526
High	[K] DQLGKNEEGAPQEGILE [D]	1xDeamidated [N/Q]		0.262382	1	1	4	P37840	P37840 [98-114]	0	1827.861	6.21E+09	3.3	0.000001066
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]			0.574587	1	1	6	P37840	P37840 [115-134]	2	2315.895	4.18E+07	2.18	0.009374
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xPhospho [S15]	P37840 1xPhospho [S129]	0.345279	1	1	77	P37840	P37840 [115-134]	2	2395.862	1.16E+09	4.03	0.0006726
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 1xPhospho [S15]	P37840 1xPhospho [S129]	0.547116	1	1	4	P37840	P37840 [115-134]	2	2396.846	8.65E+06	2.52	0.008417
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xPhospho [S15]; 1xOxidation [M]	P37840 1xPhospho [S129]	0.357837	1	1	79	P37840	P37840 [115-134]	2	2411.857	8.12E+08	3.85	0.003198
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N8]; 1xPhospho [S15]; 1xOxidation [M]	P37840 1xPhospho [S129]	0.526303	1	1	9	P37840	P37840 [115-134]	2	2412.841	1.24E+07	2.16	0.003427
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xPhospho [S15]; 2xOxidation [M2; M13]	P37840 1xPhospho [S129]	0.219182	1	1	54	P37840	P37840 [115-134]	2	2427.852	2.96E+08	4.49	0.05293
High	[E] DMPVDPDNEAYEMPSEEGYQ [D]	1xDeamidated [N/Q]; 1xPhospho [S/Y]; 2xOxidation [M2; M13]	P37840 1xPhospho [S/Y]	0.662845	1	1	3	P37840	P37840 [115-134]	2	2428.836	5.01E+06	2.55	0.05219
High	[P] DNEAYEMPSEEGYQ [D]	1xPhospho [S9]	P37840 1xPhospho [S129]	0.518307	1	1	6	P37840	P37840 [121-134]	0	1741.594	1.94E+07	2.86	0.01566
High	[P] DNEAYEMPSEEGYQ [D]	1xPhospho [S9]; 1xOxidation [M7]	P37840 1xPhospho [S129]	0.659471	1	1	2	P37840	P37840 [121-134]	0	1757.588	7.74E+05	2.15	0.04096
High	[V] DPDNEAYEMPSEEGYQ [D]	1xPhospho [S11]	P37840 1xPhospho [S129]	0.22978	1	1	7	P37840	P37840 [119-134]	1	1953.673	3.90E+06	3.25	0.01445
High	[V] DPDNEAYEMPSEEGYQ [D]	1xDeamidated [Q16]; 1xPhospho [Y/S]	P37840 1xPhospho [Y/S]	0.578707	1	1	3	P37840	P37840 [119-134]	1	1954.657		2.75	0.01006
High	[V] DPDNEAYEMPSEEGYQ [D]	1xPhospho [S11]; 1xOxidation [M9]	P37840 1xPhospho [S129]	0.311778	1	1	3	P37840	P37840 [119-134]	1	1969.668	8.60E+05	2.55	0.006793