

Top 100 ranked proteins in the amyloid disease phenotype

ID	Sequence Name	Total Unique Peptides	Total SpC	Amyloid (Tg44) Rank	Amyloid Δ-fold
P04925	Major prion protein	12	1569	36	90.97
P51910	Apolipoprotein D	4	59	55	56.23
O35639	Annexin A3	8	58	15	49.45
P07356	Annexin A2	8	51	14	42.66
Q91X72	Hemopexin	8	94	2	23.08
Q61233	Plastin-2	7	19	16	20.40
Q02105	Complement C1q subcomponent subunit C	3	49	8	17.66
P29699	Alpha-2-HS-glycoprotein	5	45	20	13.65
P20152	Vimentin	20	848	66	11.87
Q9DCL9	Multifunctional protein ADE2	3	23	18	11.34
Q3TEA8	Heterochromatin protein 1-binding protein 3	3	28	25	11.02
P07759	Serine protease inhibitor A3K	2	26	29	10.00
P98086	Complement C1q subcomponent subunit A	3	91	7	9.37
Q8K010	5-oxoprolinase	9	79	24	9.35
O35874	Neutral amino acid transporter A	4	86	3	9.23
P28650	Adenylosuccinate synthetase isozyme 1	3	36	19	8.90
Q06890	Clusterin	6	72	3	8.19
P14106	Complement C1q subcomponent subunit B	5	148	32	7.82
P08226	Apolipoprotein E	11	527	5	7.55
P61148	Heparin-binding growth factor 1	2	41	47	7.38
Q5SUR0	Phosphoribosylformylglycinamide synthase	12	128	6	7.08
P97371	Proteasome activator complex subunit 1	3	37	34	6.23
Q9Z1Q9	Valyl-tRNA synthetase	10	100	79	6.09
Q61838	Alpha-2-macroglobulin	18	344	28	5.99
P23116	Eukaryotic translation initiation factor 3 subunit A	4	98	44	5.80
P03995	Glial fibrillary acidic protein	22	2036	1	5.78
Q8R3P0	Aspartoacylase	3	72	26	5.45
Q8BTM8	Filamin-A	16	158	49	5.36
Q00493	Carboxypeptidase E	4	57	38	5.16
Q8BJI1	Orphan sodium- and chloride-dependent neurotransmitter transporter N ^o	3	45	51	5.01
P13020	Gelsolin	7	138	45	4.92
Q78PY7	Staphylococcal nuclease domain-containing protein 1	8	122	30	4.67
Q99K51	Plastin-3	8	91	48	4.49
Q8QZS1	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	10	97	63	4.47
Q9CPW4	Actin-related protein 2/3 complex subunit 5	3	95	35	4.47
Q00612	Glucose-6-phosphate 1-dehydrogenase X	3	18	46	4.46
Q921I1	Serotransferrin	26	463	9	4.46
Q9CZD3	Glycyl-tRNA synthetase	9	118	37	4.06
P50544	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	13	138	96	3.72
Q9Z1Q5	Chloride intracellular channel protein 1	4	47	59	3.68
Q6PHS9	Voltage-dependent calcium channel subunit alpha-2/delta-2	8	81	53	3.44
Q922D8	C-1-tetrahydrofolate synthase, cytoplasmic	10	89	54	3.43
Q60854	Serpin B6	3	22	70	3.41
Q01405	Protein transport protein Sec23A	7	48	49	3.38
Q6WVG3	BTB/POZ domain-containing protein KCTD12	6	59	85	3.37
P13707	Glycerol-3-phosphate dehydrogenase [NAD ⁺], cytoplasmic	11	255	82	3.20
P47199	Quinone oxidoreductase	4	67	85	3.02
Q61292	Laminin subunit beta-2	12	102	70	3.01
Q922B2	Aspartyl-tRNA synthetase, cytoplasmic	7	104	80	3.00

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Q8R0Y6	10-formyltetrahydrofolate dehydrogenase	27	497	33	2.86
Q64331	Myosin-VI	10	104	62	2.86
Q91WC3	Long-chain-fatty-acid--CoA ligase 6	15	295	90	2.80
P08003	Protein disulfide-isomerase A4	7	67	94	2.68
P18242	Cathepsin D	8	328	43	2.54
Q91ZX7	Prolow-density lipoprotein receptor-related protein 1	45	803	13	2.50
O35136	Neural cell adhesion molecule 2	4	86	81	2.47
Q99L04	Dehydrogenase/reductase SDR family member 1	10	272	78	2.25
Q9CZX8	40S ribosomal protein S19	4	99	97	2.13
O88343	Electrogenic sodium bicarbonate cotransporter 1	7	377	97	2.08
Q9DCN2	NADH-cytochrome b5 reductase 3	11	260	40	1.99
Q61330	Contactin-2	13	165	92	1.91
P26443	Glutamate dehydrogenase 1, mitochondrial	27	1561	99	1.59
P48962	ADP/ATP translocase 1	11	1770	88	-1.39
P61264	Syntaxin-1B	25	1925	87	-1.42
Q6PIC6	Sodium/potassium-transporting ATPase subunit alpha-3	31	7125	73	-1.43
Q9R0P9	Ubiquitin carboxyl-terminal hydrolase isozyme L1	19	1438	77	-1.50
P60879	Synaptosomal-associated protein 25	22	1711	75	-1.53
P63011	Ras-related protein Rab-3A	9	1720	67	-1.67
Q60932	Voltage-dependent anion-selective channel protein 1	17	2894	70	-1.70
P48774	Glutathione S-transferase Mu 5	17	515	83	-1.71
Q8BPN8	DmX-like protein 2	64	1486	52	-1.80
Q7TQD2	Tubulin polymerization-promoting protein	6	1010	17	-1.83
Q9CR62	Mitochondrial 2-oxoglutarate/malate carrier protein	12	741	60	-1.86
O08756	3-hydroxyacyl-CoA dehydrogenase type-2	8	388	57	-1.86
P62761	Visinin-like protein 1	16	947	31	-1.89
Q9DBJ1	Phosphoglycerate mutase 1	13	981	64	-1.97
Q61171	Peroxiredoxin-2	10	1050	22	-1.98
P09671	Superoxide dismutase [Mn], mitochondrial	4	534	58	-1.99
P01831	Thy-1 membrane glycoprotein	6	803	38	-2.02
Q91XV3	Brain acid soluble protein 1	10	1337	11	-2.04
Q63810	Calcineurin subunit B type 1	12	743	65	-2.04
Q9CQQ7	ATP synthase subunit b, mitochondrial	11	422	55	-2.12
O35526	Syntaxin-1A	16	641	42	-2.13
Q9CZT8	Ras-related protein Rab-3B	6	490	21	-2.28
P18760	Cofilin-1	10	1123	12	-2.33
P49615	Cell division protein kinase 5	6	99	100	-2.35
P60824	Cold-inducible RNA-binding protein	4	89	89	-2.40
P60904	DnaJ homolog subfamily C member 5	3	252	91	-2.42
Q9R0P5	Destrin	8	437	41	-2.48
Q60631	Growth factor receptor-bound protein 2	5	129	84	-2.57
O35658	Complement component 1 Q subcomponent-binding protein, mitochond	7	243	76	-2.57
P47708	Rabphilin-3A	6	189	95	-2.68
Q5PR73	GTP-binding protein Di-Ras2	7	188	92	-2.71
Q9QZ23	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	3	71	74	-3.13
Q8BGZ1	Hippocalcin-like protein 4	11	324	27	-3.15
A2AG50	MAP7 domain-containing protein 2	4	100	68	-3.36
P60766	Cell division control protein 42 homolog	7	461	22	-3.45
Q9DB60	Uncharacterized protein C1orf93 homolog	3	53	69	-4.82
Q60634	Flotillin-2	5	20	61	-6.25
P61211	ADP-ribosylation factor-like protein 1	4	39	10	-14.58

Top 100 ranked proteins in the non-amyloid phenotype

ID	Protein	Total Unique Peptides	Total SpC	Non-amyloid (C57BL/10) Rank	Non-amyloid Δ -fold
Q8VCM7	Fibrinogen gamma chain	7	84	8	27.87
Q02105	Complement C1q subcomponent subunit C	3	49	87	27.62
P29699	Alpha-2-HS-glycoprotein	5	45	81	26.37
P23242	Gap junction alpha-1 protein	6	75	92	25.58
P08905	Lysozyme C-2	2	31	2	23.17
Q9WUA2	Phenylalanyl-tRNA synthetase beta chain	3	27	80	17.62
P98086	Complement C1q subcomponent subunit A	3	91	4	11.66
Q921G7	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	6	53	85	10.86
P14106	Complement C1q subcomponent subunit B	5	148	1	10.20
Q8BXV2	BRI3-binding protein	2	42	13	9.92
P03995	Glial fibrillary acidic protein	22	2036	44	8.85
P13634	Carbonic anhydrase 1	4	49	14	8.15
P20152	Vimentin	20	848	46	7.93
Q05793	Basement membrane-specific heparan sulfate proteoglycan core protein	13	114	73	7.69
Q8BJI1	Orphan sodium- and chloride-dependent neurotransmitter transporter NTT4	3	45	22	7.41
P14733	Lamin-B1	9	83	33	6.43
Q9Z0X1	Apoptosis-inducing factor 1, mitochondrial	7	70	24	5.34
Q62443	Neuronal pentraxin-1	3	27	39	5.31
Q8JZW4	Copine-5	2	19	23	5.14
Q9QWI6	SRC kinase signaling inhibitor 1	8	64	16	4.50
P21619	Lamin-B2	12	165	27	3.92
Q99L04	Dehydrogenase/reductase SDR family member 1	10	272	34	3.15
Q8CIE6	Coatomer subunit alpha	8	59	71	2.86
Q61838	Alpha-2-macroglobulin	18	344	11	2.78
O08532	Voltage-dependent calcium channel subunit alpha-2/delta-1	20	387	39	2.71
P12970	60S ribosomal protein L7a	5	163	51	2.69
P56959	RNA-binding protein FUS	6	145	72	2.64
P14824	Annexin A6	21	462	29	2.60
P63158	High mobility group protein B1	6	165	58	2.58
Q64521	Glycerol-3-phosphate dehydrogenase, mitochondrial	27	716	21	2.54
Q8BMF4	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydro	17	878	31	2.43
P40240	CD9 antigen	4	255	59	2.43
Q8CGC7	Bifunctional aminoacyl-tRNA synthetase	13	97	75	2.28
Q8BMS1	Trifunctional enzyme subunit alpha, mitochondrial	22	377	76	2.25
P10605	Cathepsin B	4	98	65	2.23
Q8R081	Heterogeneous nuclear ribonucleoprotein L	9	226	68	2.12
P21460	Cystatin-C	8	276	51	2.02
P20029	78 kDa glucose-regulated protein	19	619	93	2.01
P55066	Neurocan core protein	7	251	70	2.00
P04925	Major prion protein	12	1569	86	1.99
Q8BLQ9	Cell adhesion molecule 2	5	190	73	1.99
P28652	Calcium/calmodulin-dependent protein kinase type II subunit beta	11	1130	3	1.98
P10852	4F2 cell-surface antigen heavy chain	9	355	48	1.95
P07724	Serum albumin	28	2308	5	1.91
P62631	Elongation factor 1-alpha 2	6	491	45	1.88
Q8BH59	Calcium-binding mitochondrial carrier protein Aralar1	24	1296	69	1.84
P26645	Myristoylated alanine-rich C-kinase substrate	6	306	55	1.83
Q8CAQ8	Mitochondrial inner membrane protein	23	703	63	1.81
P38647	Stress-70 protein, mitochondrial	25	990	91	1.80

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P01942	Hemoglobin subunit alpha	5	1675	43	1.78
Q8VDD5	Myosin-9	34	611	46	1.75
P15508	Spectrin beta chain, erythrocyte	36	478	35	1.70
P10126	Elongation factor 1-alpha 1	6	604	84	1.66
Q810U3	Neurofascin	20	964	42	1.60
P35762	CD81 antigen	3	971	61	1.55
P26443	Glutamate dehydrogenase 1, mitochondrial	27	1561	25	1.53
P19096	Fatty acid synthase	62	1541	95	1.47
P80318	T-complex protein 1 subunit gamma	18	496	82	1.40
Q9D0M3	Cytochrome c1, heme protein, mitochondrial	17	909	100	1.27
P52480	Pyruvate kinase isozymes M1/M2	40	4363	98	1.24
Q9R0P9	Ubiquitin carboxyl-terminal hydrolase isozyme L1	19	1438	89	-1.29
P62761	Visinin-like protein 1	16	947	60	-1.32
P18760	Cofilin-1	10	1123	62	-1.43
P85094	Isochorismatase domain-containing protein 2A, mitochondrial	5	296	78	-1.53
P17182	Alpha-enolase	21	2204	77	-1.59
Q9R0P5	Dextrin	8	437	94	-1.60
P99026	Proteasome subunit beta type-4	10	346	78	-1.67
Q9JJV2	Profilin-2	7	557	55	-1.68
O08539	Myc box-dependent-interacting protein 1	9	429	38	-1.73
Q9D6R2	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	16	781	98	-1.78
Q04447	Creatine kinase B-type	27	4448	16	-1.96
Q9CZU6	Citrate synthase, mitochondrial	18	797	49	-2.02
Q9R0Y5	Adenylate kinase isoenzyme 1	11	618	35	-2.13
Q9WV92	Band 4.1-like protein 3	18	678	64	-2.16
Q5PR73	GTP-binding protein Di-Ras2	7	188	88	-2.31
O55100	Synaptogyrin-1	2	70	90	-2.39
O35969	Guanidinoacetate N-methyltransferase	3	50	66	-2.46
Q8JZS0	Protein lin-7 homolog A	4	68	97	-2.69
P10637	Microtubule-associated protein tau	4	92	82	-2.70
Q9D394	Protein RUFY3	7	79	41	-2.88
Q64010	Adapter molecule crk	4	74	96	-3.02
Q9Z204	Heterogeneous nuclear ribonucleoproteins C1/C2	5	160	57	-3.13
P62823	Ras-related protein Rab-3C	7	184	54	-3.28
P10639	Thioredoxin	4	202	50	-3.42
Q61792	LIM and SH3 domain protein 1	3	79	28	-3.50
Q9QZ23	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	3	71	67	-3.52
Q9DCS2	UPF0585 protein C16orf13 homolog	3	50	30	-3.89
Q9Z329	Inositol 1,4,5-trisphosphate receptor type 2	2	49	10	-5.35
P46664	Adenylosuccinate synthetase isozyme 2	4	45	15	-5.40
O88545	COP9 signalosome complex subunit 6	3	27	37	-5.94
P56380	Bis(5'-nucleosyl)-tetrakisphatase [asymmetrical]	5	93	51	-6.14
Q9WVC2	Ly-6/neurotoxin-like protein 1	3	32	6	-6.26
Q8BJU0	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	5	50	9	-6.34
Q9CY64	Biliverdin reductase A	4	60	31	-6.37
Q9DCB8	Iron-sulfur cluster assembly 2 homolog, mitochondrial	7	65	7	-6.76
Q9QZX7	Serine racemase	4	63	19	-8.73
P17809	Solute carrier family 2, facilitated glucose transporter member 1	2	42	26	-9.47
Q99KP3	Lambda-crystallin homolog	3	23	12	-10.29
Q99LS3	Phosphoserine phosphatase	2	22	20	-12.62
Q9ERK4	Exportin-2	5	35	18	-15.74