

Table 2

Postsynaptic density proteins identified using MS/MS that have±1.5 fold change in NDAN versus AD

Protein name	Gene ID	Accession Number	Theoretical pI	Measured pI	Theoretical Mw, kDa	Measured Mw, kDa	MS ID protein score	AD versus control	NDAN versus AD	NDAN versus control
Actin, cytoplasmic 2	ACTG1	<a href="#">P63261</a>	5.31	6.31	42	15	78	− 1.50	− 1.49	− 2.23
Annexin (Fragment)	ANXA2	H0YN42	5.56	8.03	29	30	141	1.55	1.83	2.85
Calcium/calmodulin-dependent protein kinase type II subunit alpha	CAMK2A	<a href="#">Q9UQM7</a>	6.61	5.84	54	17	115	1.43	1.98	2.83
Calreticulin	CALR	<a href="#">P27797</a>	4.29	4.65	48	71	70	− 1.15	− 2.85	− 3.27
Creatine kinase B-type	CKB	<a href="#">P12277</a>	4.29	6.93	48	17	70	1.05	− 1.98	− 1.88
Creatine kinase B-type (Fragment)	CKB	G3V4N7	4.89	5	24	20	116	1.09	− 2.80	− 2.57
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.39	50	46	1010	− 1.44	2.58	1.79
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.34	50	46	950	− 1.23	2.18	1.77
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.28	50	46	969	− 1.32	2.15	1.63
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.43	50	46	1050	− 1.25	2.12	1.69
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.18	50	46	863	− 1.02	2.06	2.02
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.07	50	37	915	− 1.48	1.53	1.03
Glial fibrillary acidic protein	GFAP	<a href="#">E9PAX3</a>	5.42	4.98	50	18	374	1.27	− 1.98	− 1.56
Glial fibrillary acidic protein	GFAP	<a href="#">P14136</a>	5.42	5.06	50	34	850	− 1.44	− 2.07	− 2.97
Glial fibrillary acidic protein	GFAP	<a href="#">E9PAX3</a>	5.42	5	50	20	400	− 1.12	− 4.32	− 4.84
Glial fibrillary acidic protein (Fragment)	GFAP	K7EJU1	5.6	5.61	28	21	339	− 4.13	2.00	− 2.07
Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	<a href="#">E7EUT4</a>	8.57	9.17	36	32	88	− 6.19	6.55	1.06
Hemoglobin subunit beta	HBB	<a href="#">P68871</a>	6.74	7.35	16	13	170	1.26	2.90	3.66
Hemoglobin subunit beta	HBB	<a href="#">P68871</a>	6.74	7	16	14	70	1.68	1.84	3.09
Hemoglobin subunit beta	HBB	<a href="#">P68871</a>	6.74	7.34	16	14	212	1.75	1.67	2.92
Isoform 1 of Vinculin	VCL	P18206-2	5.83	5.88	117	118	322	1.03	1.92	1.97
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.09	50	36	223	− 2.19	2.42	1.10
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.16	50	35	92	− 1.91	1.70	− 1.12
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.17	50	38	885	− 1.12	1.63	1.46
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.23	50	46	945	1.02	1.63	1.66
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.5	50	46	974	− 1.08	1.60	1.48
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.07	50	37	790	− 1.53	1.56	1.02
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.16	50	49	828	− 1.19	1.53	1.28
Isoform 2 of Glial fibrillary acidic protein	GFAP	P14136-2	5.42	5.74	50	48	284	2.04	− 1.60	1.27
Isoform 3 of Dynamin-1	DNM1	Q05193-3	6.57	4.93	96	20	346	− 1.23	1.69	1.38
Isoform 3 of Dynamin-1	DNM1	Q05193-3	6.57	4.88	96	19	300	− 1.35	− 1.60	− 2.16
Isoform 3 of Peroxiredoxin-5, mitochondrial	PRDX5	P30044-3	9.12	7.7	17	15	154	1.29	− 1.77	− 1.37
Isoform 3 of Ras-related protein Rap-1b	PAR1B	P61224-3	8.72	6.37	19	19	112	− 1.19	1.92	1.62
Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	CNP	P09543-2	8.73	9.11	45	40	97	− 1.66	1.82	1.10
Isoform Cytoplasmic+peroxisomal of Peroxiredoxin-5, mitochondrial	PRDX5	P30044-2	6.73	7.75	17	16	143	1.31	− 2.27	− 1.73
Isoform IB of Synapsin-1	SYN1	P17600-2	9.88	9.17	70	75	271	1.16	− 1.72	− 1.48
Isoform IB of Svnapsin-1	SYN1	P17600-2	9.88	8.87	70	74	290	1.17	− 2.00	− 1.71