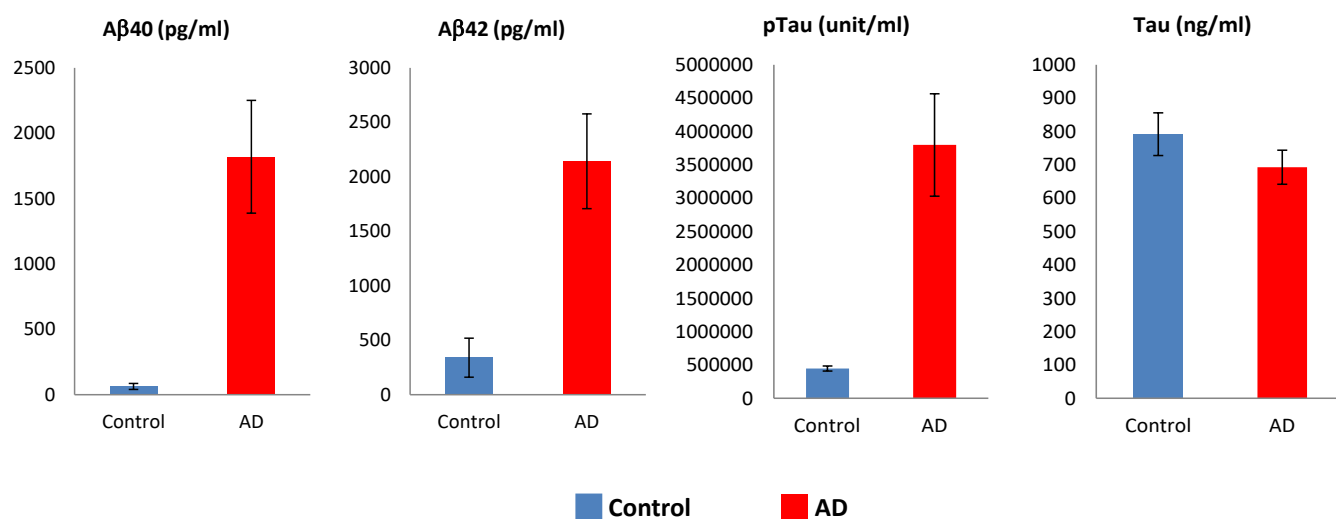


Supplement Table 1. Significantly up- and down-regulated human plasma proteins from 18 Alzheimer's patients relative to 18 controls identified in two independent experiments.

Exp	Accession	Description	RATIO (AD/Control)	AVERAGE (AD)	SEM (AD)	AVERAGE (Control)	SEM (Control)
1	O75636	Ficolin-3	0.93	1.02	0.022	1.10	0.037
1	O75882	Attractin	0.90	0.98	0.032	1.09	0.033
1	O95445	Apolipoprotein M	0.85	0.94	0.035	1.11	0.047
1	P00488	Coagulation factor XIII A chain	0.89	1.01	0.043	1.13	0.045
1	P00738	Haptoglobin	1.19	1.22	0.092	1.03	0.063
1	P00748	Coagulation factor XII	0.89	1.00	0.042	1.13	0.039
1	P01011	Alpha-1-antichymotrypsin	1.25	1.33	0.113	1.06	0.040
1	P01023	Alpha-2-macroglobulin	0.79	0.87	0.026	1.11	0.064
1	P02647	Apolipoprotein A-I	0.83	0.92	0.044	1.11	0.044
1	P02655	Apolipoprotein C-II	0.80	0.93	0.073	1.16	0.069
1	P02656	Apolipoprotein C-III	0.79	1.02	0.097	1.29	0.098
1	P02741	C-reactive protein	2.43	2.43	0.656	1.00	0.095
1	P02743	Serum amyloid P-component	1.07	1.08	0.029	1.01	0.038
1	P02748	Complement component C9	1.09	1.21	0.043	1.11	0.041
1	P02749	Beta-2-glycoprotein 1	0.79	0.90	0.041	1.13	0.033
1	P02750	Leucine-rich alpha-2-glycoprotein	1.21	1.30	0.100	1.07	0.067
1	P02763	Alpha-1-acid glycoprotein 1	1.28	1.35	0.071	1.05	0.058
1	P02765	Alpha-2-HS-glycoprotein	0.82	0.93	0.037	1.14	0.031
1	P02787	Serotransferrin	0.79	0.84	0.045	1.07	0.044
1	P04196	Histidine-rich glycoprotein	0.88	0.96	0.038	1.10	0.028
1	P05154	Plasma serine protease inhibitor	0.88	0.96	0.038	1.09	0.039
1	P05452	Tetranectin	0.85	0.95	0.038	1.12	0.035
1	P06727	Apolipoprotein A-IV	0.70	0.84	0.049	1.20	0.096
1	P07360	Complement component C8 gamma chain	0.94	1.01	0.019	1.08	0.027
1	P0C0L4	Complement C4-A	1.08	1.18	0.055	1.09	0.030
1	P0DJ18	Serum amyloid A-1 protein	2.90	3.08	0.941	1.06	0.124
1	P0DJ19	Serum amyloid A-2 protein	2.05	2.14	0.491	1.04	0.042
1	P11226	Mannose-binding protein C	1.34	1.53	0.186	1.14	0.110
1	P29622	Kallistatin	0.87	0.99	0.048	1.13	0.041
1	P35542	Serum amyloid A-4 protein	1.11	1.20	0.043	1.08	0.050
1	P36955	Pigment epithelium-derived factor	0.87	0.93	0.028	1.07	0.039
1	P43251	Biotinidase	0.89	0.98	0.033	1.10	0.033
1	P43652	Afamin	0.79	0.85	0.035	1.08	0.037
1	P49908	Selenoprotein P	0.87	1.00	0.042	1.15	0.033
1	P51884	Lumican	0.84	0.91	0.048	1.09	0.055
1	P61626	Lysozyme C	1.18	1.30	0.081	1.10	0.050
1	P80108	Phosphatidylinositol-glycan-specific phospholipase D	0.89	0.98	0.049	1.11	0.036
1	Q02985	Complement factor H-related protein 3	1.31	1.28	0.097	0.98	0.076
1	Q04756	Hepatocyte growth factor activator	0.89	1.04	0.036	1.17	0.051
1	Q6UXB8	Peptidase inhibitor 16	0.87	0.98	0.039	1.13	0.049
1	Q96KN2	Beta-Ala-His dipeptidase	0.84	0.89	0.041	1.05	0.053
1	Q96PD5	N-acetylmuramoyl-L-alanine amidase	0.83	0.92	0.034	1.10	0.021
2	O75636	Ficolin-3	0.93	0.89	0.026	0.96	0.033
2	O75882	Attractin	0.95	0.87	0.021	0.92	0.025
2	O95445	Apolipoprotein M	0.89	0.80	0.032	0.90	0.035
2	P00488	Coagulation factor XIII A chain	0.90	0.89	0.030	0.98	0.033
2	P00738	Haptoglobin	1.27	1.14	0.093	0.90	0.048
2	P00748	Coagulation factor XII	0.91	0.85	0.029	0.94	0.023
2	P01011	Alpha-1-antichymotrypsin	1.28	1.17	0.084	0.91	0.033
2	P01023	Alpha-2-macroglobulin	0.85	0.79	0.022	0.93	0.057
2	P02647	Apolipoprotein A-I	0.93	0.84	0.033	0.89	0.024
2	P02655	Apolipoprotein C-II	0.84	0.80	0.059	0.95	0.053
2	P02656	Apolipoprotein C-III	0.80	0.75	0.073	0.93	0.075
2	P02741	C-reactive protein	2.41	2.09	0.486	0.86	0.081
2	P02743	Serum amyloid P-component	1.10	0.99	0.041	0.90	0.031
2	P02748	Complement component C9	1.16	1.06	0.046	0.92	0.031

2	P02749	Beta-2-glycoprotein 1	0.87	0.82	0.036	0.95	0.030
2	P02750	Leucine-rich alpha-2-glycoprotein	1.22	1.09	0.086	0.89	0.050
2	P02763	Alpha-1-acid glycoprotein 1	1.32	1.22	0.063	0.92	0.044
2	P02765	Alpha-2-HS-glycoprotein	0.86	0.82	0.029	0.95	0.038
2	P02787	Serotransferrin	0.87	0.81	0.034	0.93	0.031
2	P04196	Histidine-rich glycoprotein	0.91	0.87	0.030	0.95	0.038
2	P05154	Plasma serine protease inhibitor	0.90	0.85	0.032	0.94	0.033
2	P05452	Tetranectin	0.89	0.82	0.029	0.92	0.034
2	P06727	Apolipoprotein A-IV	0.77	0.75	0.039	0.96	0.056
2	P07360	Complement component C8 gamma chain	0.95	0.88	0.016	0.92	0.023
2	P0C0L4	Complement C4-A	1.14	1.10	0.068	0.96	0.048
2	P0DJ18	Serum amyloid A-1 protein	2.13	1.90	0.446	0.89	0.092
2	P0DJ19	Serum amyloid A-2 protein	2.18	1.68	0.395	0.77	0.031
2	P11226	Mannose-binding protein C	1.25	1.08	0.100	0.87	0.052
2	P29622	Kallistatin	0.91	0.84	0.035	0.93	0.033
2	P35542	Serum amyloid A-4 protein	1.16	1.07	0.048	0.92	0.034
2	P36955	Pigment epithelium-derived factor	0.93	0.86	0.025	0.93	0.031
2	P43251	Biotinidase	0.93	0.84	0.028	0.90	0.024
2	P43652	Afamin	0.82	0.76	0.029	0.93	0.040
2	P49908	Selenoprotein P	0.90	0.88	0.035	0.98	0.031
2	P51884	Lumican	0.88	0.81	0.035	0.93	0.029
2	P61626	Lysozyme C	1.15	1.10	0.055	0.96	0.037
2	P80108	Phosphatidylinositol-glycan-specific phospholipase D	0.91	0.86	0.035	0.94	0.028
2	Q02985	Complement factor H-related protein 3	1.39	1.26	0.138	0.90	0.071
2	Q04756	Hepatocyte growth factor activator	0.92	0.85	0.021	0.92	0.026
2	Q6UXB8	Peptidase inhibitor 16	0.93	0.83	0.030	0.89	0.032
2	Q96KN2	Beta-Ala-His dipeptidase	0.86	0.79	0.037	0.92	0.052
2	Q96PD5	N-acetylmuramoyl-L-alanine amidase	0.86	0.82	0.024	0.95	0.030

Note: Up- and down-regulated plasma proteins in AD group (n=18) relative to the control group (n=18) with p<0.05, two-tailed Student's T test from each of the two independent studies. Exp: Experiment; SE: standard error of means.



Supplement Figure 1. Quantification of amyloid β protein and Tau protein in brain lysates from AD and healthy control subjects. Levels of A β ₄₀, A β ₄₂, Tau and pTau 181 in brain homogenates were quantified using the Meso Scale Discovery platform. The standard error of means (error bars) are illustrated for each group. The differences between AD and control subjects are statistically significant, except for Tau ($p < 0.05$).