

**Supplementary table 2: Correlation between Age, BMI, HbA1c and AD proteins for Study 2**

Correlations<sup>a</sup>

		Age	BMI	HbA1c	APP	APCS	SAA1	PAPPA	MAPT	APOA1	NOG	APOE	APOE3	APOE4	APOE2
Age	Pearson Correlation	1	.237	.244	.380**	.061	-.054	.075	-.065	-.046	.222	-.293*	-.309*	-.275	-.311*
	Sig. (2-tailed)		.112	.102	.009	.689	.720	.622	.668	.761	.139	.048	.037	.064	.035
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
BMI	Pearson Correlation	.237	1	.451**	.250	.167	-.068	-.138	-.059	-.144	.282	-.160	-.056	.005	-.089
	Sig. (2-tailed)	.112		.002	.094	.268	.654	.360	.696	.340	.057	.288	.713	.971	.557
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
HbA1c	Pearson Correlation	.244	.451**	1	.283	-.052	-.084	.088	.019	-.280	.151	-.078	-.167	-.144	-.185
	Sig. (2-tailed)	.102	.002		.057	.732	.579	.559	.899	.059	.315	.607	.268	.339	.218
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APP	Pearson Correlation	.380**	.250	.283	1	.085	-.050	.102	.541**	-.140	.579**	-.246	-.387**	-.201	-.257
	Sig. (2-tailed)	.009	.094	.057		.573	.740	.500	.000	.353	.000	.100	.008	.181	.085
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APCS	Pearson Correlation	.061	.167	-.052	.085	1	.247	-.082	.091	.244	.012	.025	-.033	.127	.014
	Sig. (2-tailed)	.689	.268	.732	.573		.098	.589	.548	.102	.935	.871	.825	.402	.924
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
SAA1	Pearson Correlation	-.054	-.068	-.084	-.050	.247	1	.298*	-.058	.130	.015	.101	.009	.073	.158
	Sig. (2-tailed)	.720	.654	.579	.740	.098		.044	.701	.388	.920	.503	.955	.628	.295
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
PAPPA	Pearson Correlation	.075	-.138	.088	.102	-.082	.298*	1	.043	-.229	.037	-.061	-.133	-.054	.017
	Sig. (2-tailed)	.622	.360	.559	.500	.589	.044		.777	.125	.810	.685	.378	.722	.913
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
MAPT	Pearson Correlation	-.065	-.059	.019	.541**	.091	-.058	.043	1	.138	.394**	.196	.003	.061	.020
	Sig. (2-tailed)	.668	.696	.899	.000	.548	.701	.777		.361	.007	.192	.967	.687	.893
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APOA1	Pearson Correlation	-.046	-.144	-.280	-.140	.244	.130	-.229	.138	1	.031	.423**	.442**	.402**	.374*
	Sig. (2-tailed)	.761	.340	.059	.353	.102	.388	.125	.361		.838	.003	.002	.006	.010
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
NOG	Pearson Correlation	.222	.282	.151	.579**	.012	.015	.037	.394**	.031	1	-.132	-.242	-.193	-.224
	Sig. (2-tailed)	.139	.057	.315	.000	.935	.920	.810	.007	.838		.383	.105	.198	.135
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APOE	Pearson Correlation	-.293*	-.160	-.078	-.246	.025	.101	-.061	.196	.423**	-.132	1	.860**	.773**	.680**
	Sig. (2-tailed)	.048	.288	.607	.100	.871	.503	.685	.192	.003	.383		.000	.000	.000
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APOE3	Pearson Correlation	-.309*	-.056	-.167	-.387**	-.033	.009	-.133	.003	.442**	-.242	.860**	1	.929**	.839**
	Sig. (2-tailed)	.037	.713	.268	.008	.825	.955	.378	.987	.002	.105	.000		.000	.000
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APOE4	Pearson Correlation	-.275	.005	-.144	-.201	.127	.073	-.054	.061	.402**	-.193	.773**	.929**	1	.893**
	Sig. (2-tailed)	.064	.971	.339	.181	.402	.628	.722	.687	.006	.198	.000	.000		.000
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46
APOE2	Pearson Correlation	-.311*	-.089	-.185	-.257	.014	.158	.017	.020	.374*	-.224	.860**	.839**	.893**	1
	Sig. (2-tailed)	.035	.557	.218	.085	.924	.295	.913	.893	.010	.135	.000	.000	.000	
	N	46	46	46	46	46	46	46	46	46	46	46	46	46	46