

**Supplementary table 1: Correlation between Age, BMI, HbA1c and AD proteins for Study 1**

Correlations<sup>a</sup>

		Age	BMI	HbA1c	APP	APCS	SAA1	PAPPA	MAPT	APOA1	NOG	APOE	APOE3	APOE4	APOE2
Age	Pearson Correlation	1	-.331	-.312	.304	.331	-.062	-.067	-.161	.630**	-.364	.190	.202	.314	.496
	Sig. (2-tailed)		.211	.257	.235	.194	.812	.798	.537	.007	.151	.465	.437	.220	.043
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
BMI	Pearson Correlation	-.331	1	.351	-.189	-.283	-.096	.422	-.061	-.440	-.160	.186	.203	.112	-.185
	Sig. (2-tailed)	.211		.219	.484	.288	.723	.104	.823	.088	.554	.492	.451	.680	.493
	N	16	16	14	16	16	16	16	16	16	16	16	16	16	16
HbA1c	Pearson Correlation	-.312	.351	1	-.425	.036	-.286	.135	.244	-.053	.594	.117	-.072	-.090	-.175
	Sig. (2-tailed)	.257	.219		.114	.899	.301	.632	.381	.852	.019	.679	.798	.749	.532
	N	15	14	15	15	15	15	15	15	15	15	15	15	15	15
APP	Pearson Correlation	.304	-.189	-.425	1	-.229	.510	-.381	-.104	-.064	-.241	-.423	-.467	-.455	-.371
	Sig. (2-tailed)	.235	.484	.114		.376	.037	.132	.691	.808	.351	.091	.059	.067	.143
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APCS	Pearson Correlation	.331	-.283	.036	-.229	1	.072	.233	.378	.319	.187	.542	.424	.456	.458
	Sig. (2-tailed)	.194	.288	.899	.376		.784	.369	.135	.212	.472	.025	.090	.066	.065
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
SAA1	Pearson Correlation	-.062	-.096	-.286	.510	.072	1	-.125	.555	-.129	.329	-.235	-.172	-.272	-.331
	Sig. (2-tailed)	.812	.723	.301	.037	.784		.634	.021	.621	.197	.365	.509	.291	.195
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
PAPPA	Pearson Correlation	-.067	.422	.135	-.381	.233	-.125	1	-.032	-.317	-.151	.181	.467	.351	.307
	Sig. (2-tailed)	.798	.104	.632	.132	.369	.634		.903	.215	.562	.488	.059	.167	.231
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
MAPT	Pearson Correlation	-.161	-.061	.244	-.104	.378	.555	-.032	1	-.110	.801**	.009	.115	.032	-.080
	Sig. (2-tailed)	.537	.823	.381	.691	.135	.021	.903		.673	.000	.973	.661	.903	.761
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APOA1	Pearson Correlation	.630**	-.440	-.053	-.064	.319	-.129	-.317	-.110	1	-.112	.299	.169	.292	.410
	Sig. (2-tailed)	.007	.088	.852	.808	.212	.621	.215	.673		.667	.243	.516	.256	.102
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
NOG	Pearson Correlation	-.364	-.160	.594	-.241	.187	.329	-.151	.801**	-.112	1	-.035	-.015	-.075	-.137
	Sig. (2-tailed)	.151	.554	.019	.351	.472	.197	.562	.000	.667		.895	.954	.775	.600
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APOE	Pearson Correlation	.190	.186	.117	-.423	.542	-.235	.181	.009	.299	-.035	1	.818**	.812**	.642**
	Sig. (2-tailed)	.465	.492	.679	.091	.025	.365	.488	.973	.243	.895		.000	.000	.005
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APOE3	Pearson Correlation	.202	.203	-.072	-.467	.424	-.172	.467	.115	.169	-.015	.818**	1	.968**	.841**
	Sig. (2-tailed)	.437	.451	.798	.059	.090	.509	.059	.661	.516	.954	.000		.000	.000
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APOE4	Pearson Correlation	.314	.112	-.090	-.455	.456	-.272	.351	.032	.292	-.075	.812**	.968**	1	.901**
	Sig. (2-tailed)	.220	.680	.749	.067	.066	.291	.167	.903	.256	.775	.000	.000		.000
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17
APOE2	Pearson Correlation	.496	-.185	-.175	-.371	.458	-.331	.307	-.080	.410	-.137	.642**	.841**	.901**	1
	Sig. (2-tailed)	.043	.493	.532	.143	.065	.195	.231	.761	.102	.600	.005	.000	.000	
	N	17	16	15	17	17	17	17	17	17	17	17	17	17	17