

Table S3. Independent loci associated with PAC, HPS, and the brain proteomic aging clock at the 5×10^{-8} significance level after adjusting for covariatesCovariates: age, age², sex, age × sex, age² × sex, the top 20 genetic principal components, array type (BiLEVE or Axiom), and baseline assessment center

Proteomic Aging Measure	CHR	BP (GRCh37)	SNP	ALLELE0	ALLELE1	A1FREQ	N	BETA	SE	P
PAC	13	46709389	rs4942487	C	T	0.085123	43,707	-0.72535	0.127646	1.33E-08
PAC	19	42231159	rs9621	A	G	0.957238	43,707	-1.10125	0.175515	3.51E-10
PAC	19	45411941	rs429358	C	T	0.839099	43,707	-0.79784	0.095955	9.20E-17
PAC	6	31016230	rs9394032	T	A	0.877576	43,707	0.722375	0.108514	2.80E-11
PAC	6	31331517	rs9266345	A	G	0.612585	43,707	0.531241	0.073203	3.96E-13
PAC	6	32361612	rs17208769	C	T	0.852941	43,707	0.629118	0.10139	5.47E-10
PAC	6	32626451	rs28414666	A	G	0.789949	43,707	0.560422	0.08738	1.42E-10
PAC	9	136149098	rs8176645	A	T	0.740166	43,707	-0.49136	0.087831	2.21E-08
HPS	17	76438164	rs560630302	CA	C	0.998249	43,707	0.129428	0.020912	6.05E-10
HPS	2	75852701	rs531831104	C	G	0.99867	43,707	0.101369	0.017223	3.96E-09
HPS	20	23859319	rs34269359	A	G	0.823212	43,707	-0.0095	0.001554	9.92E-10
HPS	5	156423486	5:156423486_TA_T	T	TA	0.699653	43,707	-0.01126	0.001333	2.91E-17
HPS	6	31016230	rs9394032	T	A	0.877576	43,707	-0.01035	0.001808	1.05E-08
HPS	6	31523676	6:31523676_TC_T	T	TC	0.77781	43,707	-0.00854	0.001479	7.81E-09
HPS	9	136141646	9:136141646_CAA_C	C	CAA	0.660733	43,707	0.007632	0.001255	1.20E-09
BRAIN	1	156615114	rs2365715	G	A	0.610745	43,707	-0.05302	0.007043	5.13E-14
BRAIN	1	175569047	rs2235256	G	A	0.558292	43,707	-0.05281	0.006673	2.49E-15
BRAIN	13	92450219	rs2989992	T	C	0.735073	43,707	-0.07411	0.007429	1.93E-23
BRAIN	18	72209543	rs17817077	A	G	0.607076	43,707	0.045618	0.006723	1.16E-11
BRAIN	19	23907630	rs4449070	T	G	0.757249	43,707	-0.05058	0.007707	5.27E-11
BRAIN	19	45411941	rs429358	C	T	0.839099	43,707	-0.06373	0.008798	4.37E-13
BRAIN	4	72866018	rs187638689	G	A	0.996495	43,707	-0.35705	0.063553	1.93E-08
BRAIN	6	31019476	rs9295948	T	G	0.878667	43,707	0.05475	0.010004	4.43E-08
BRAIN	6	31387373	rs2596530	A	G	0.507745	43,707	0.042851	0.006522	5.04E-11
BRAIN	6	32007790	rs6477	G	C	0.879205	43,707	0.065233	0.010328	2.69E-10
BRAIN	6	32362245	6:32362245_TAA_T	T	TAA	0.851576	43,707	0.053699	0.009217	5.68E-09
BRAIN	6	32626537	rs28672722	T	G	0.777393	43,707	0.045201	0.007852	8.60E-09
BRAIN	6	32737494	rs6457661	T	C	0.610394	43,707	0.038425	0.006689	9.23E-09

BRAIN	7	123875391	rs185622583	A	C	0.970538	43,707	0.116166	0.020141	8.04E-09
BRAIN	7	124136563	rs10954032	C	T	0.722351	43,707	0.10275	0.007331	1.25E-44
BRAIN	7	124153623	rs182813319	T	C	0.993883	43,707	0.300487	0.049586	1.36E-09
BRAIN	7	124387943	rs2107930	A	G	0.744164	43,707	-0.04649	0.007546	7.22E-10
BRAIN	7	145363182	rs6979892	C	G	0.286497	43,707	0.060484	0.007244	6.88E-17