

Supplementary Table S2. Spearman correlation analysis between MMSE and blood biomarkers

Variable	N	Missing	Spearman_r	p_value	FDR_q
Cys-eGFR	578	0	0.170	0.000	0.001
Neutro%	578	0	-0.135	0.001	0.021
IL-6(pg/mL)	576	0	-0.133	0.001	0.021
N/L ratio	578	0	-0.132	0.002	0.019
Lympho%	578	0	0.129	0.002	0.020
EPA/AA_Ratio	578	0	-0.112	0.007	0.065
AA(umol/L)	578	0	0.109	0.009	0.074
ALT(U/L)	578	0	0.094	0.024	0.179
RDW	578	0	-0.082	0.050	0.333
EPA(umol/L)	578	0	-0.080	0.055	0.339
BS(mg/dl)	578	0	-0.079	0.057	0.324
RBC(x104/ul)	578	0	0.077	0.064	0.336
IgA	578	0	-0.072	0.082	0.407
AMY	578	0	0.071	0.086	0.399
MCV	578	0	-0.070	0.093	0.405
TC(mg/dl)	578	0	0.060	0.148	0.607
Ht	578	0	0.060	0.148	0.576
Eosino	578	0	0.058	0.165	0.610
HDL(mg/dl)	578	0	0.058	0.167	0.589
IgM	578	0	0.055	0.184	0.592
BUN(mg/dl)	578	0	-0.055	0.187	0.578
Adiponectin(ug/mL)	578	0	-0.052	0.210	0.622
Alb(g/dL)	578	0	0.052	0.216	0.614
ID1	578	0	-0.051	0.218	0.599
MCH	578	0	-0.051	0.219	0.578
DHA(umol/L)	578	0	-0.050	0.233	0.575
γ -GTP(U/L)	578	0	0.048	0.253	0.605
LDL(mg/dl)	578	0	0.048	0.253	0.586
Fisher ratio	578	0	0.047	0.254	0.571
K(mEq/L)	578	0	-0.045	0.283	0.616
PLT(x104/ul)	578	0	0.039	0.347	0.735
FreeT4	578	0	0.033	0.426	0.875
BAP	578	0	-0.033	0.432	0.864
IgG	578	0	-0.031	0.453	0.882
LDH(U/L)	578	0	-0.030	0.478	0.907
ALP(U/L)	578	0	-0.029	0.486	0.899
FSH	578	0	0.029	0.494	0.891
HbA1c	578	0	-0.028	0.499	0.880
C4	578	0	0.027	0.523	0.879
TSH	578	0	-0.026	0.531	0.873
Creatinine(mg/dl)	578	0	-0.025	0.545	0.877
IgE	552	0	0.024	0.581	0.915
WBC(x102/ul)	578	0	0.021	0.618	0.953
Taurine(uM)	578	0	0.020	0.639	0.965
Ferritin(ng/ml)	578	0	0.019	0.653	0.967
Leptin	578	0	0.018	0.674	0.978
LH	576	0	-0.017	0.681	0.969
HS-CRP(mg/dL)	565	0	-0.017	0.694	0.969
AST(U/L)	578	0	0.016	0.695	0.953
Insulin(uU/mL)	578	0	-0.014	0.739	0.995
FreeT3	578	0	0.013	0.752	0.993
Na (mEq/L)	578	0	-0.012	0.766	0.994
Fe	578	0	0.012	0.773	0.986
Cortisol(pg/mL)	569	0	-0.012	0.781	0.979
NTX	578	0	0.010	0.803	0.990
Leucine(uM)	578	0	0.010	0.812	0.985
TP(g/dL)	578	0	-0.009	0.825	0.985
eGFR	578	0	0.009	0.825	0.969
P1NP	578	0	0.009	0.835	0.965
DHEA-S(ug/dL)	578	0	0.009	0.836	0.952
C3	578	0	-0.008	0.843	0.945
25OHVit.D3(ng/ml)	578	0	0.006	0.886	0.979
L/H_Ratio	578	0	-0.006	0.893	0.972
Uric acid	578	0	-0.005	0.912	0.978
ACTH(pg/mL)	578	0	-0.004	0.923	0.976
T-Bilirubin	578	0	0.004	0.933	0.972
Triglyceride(mg/dl)	578	0	0.003	0.940	0.966
Valine(uM)	578	0	0.003	0.952	0.965
Isoleucine(uM)	578	0	0.000	0.991	0.991