

SUPPLEMENT

Table A 1 Model parameter estimates associated with **Error! Reference source not found.** For each response variable, each “X” variable is listed along with the sample size (n), proportion of variance explained by the model (R2), and the parameter estimates with 95% confidence interval. Columns for education are not included since they were never retained after model selection. Finally, for models with a Gender-by-X interaction, the slope estimates for Females and Males are provided.

Response variable	X variable	Type	n	R2	Intercept	Age	Gender	X	Age:X	Gender:X	Female slope	Male slope
Albumin Index	ABeta Ratio (42/40)	AD	87	0.078	-0.088 [-0.297, 0.121]	0.322 [0.084, 0.560]						
Albumin Index	pTau	AD	95	0.146	-0.300 [-0.576, -0.024]	0.282 [0.070, 0.494]	0.469 [0.079, 0.859]					
Albumin Index	bFgf	Angiogenic Factors	76	0.081	-0.168 [-0.401, 0.064]	0.334 [0.073, 0.595]						
Albumin Index	Flt-1	Angiogenic Factors	76	0	-0.025 [-0.254, 0.204]							
Albumin Index	PIGF	Angiogenic Factors	78	0.090	-0.033 [-0.252, 0.186]			0.326 [0.089, 0.564]				
Albumin Index	Tie-2	Angiogenic Factors	79	0.078	-0.114 [-0.343, 0.115]	0.332 [0.073, 0.591]						
Albumin Index	VEGF-A	Angiogenic Factors	79	0.065	-0.099 [-0.321, 0.123]	0.294 [0.042, 0.547]						
Albumin Index	VEGF-C	Angiogenic Factors	78	0.105	-0.098 [-0.317, 0.121]			-0.340 [-0.566, -0.114]				
Albumin Index	VEGF-D	Angiogenic Factors	76	0.077	-0.102 [-0.332, 0.129]	0.321 [0.064, 0.579]						
Albumin Index	IFN-g	Cytokines	81	0.076	-0.123 [-0.347, 0.101]	0.329 [0.073, 0.585]						
Albumin Index	IL-1b	Cytokines	77	0.069	-0.123 [-0.359, 0.113]	0.323 [0.050, 0.597]						
Albumin Index	IL-2	Cytokines	81	0.076	-0.123 [-0.347, 0.101]	0.329 [0.073, 0.585]						
Albumin Index	IL-4	Cytokines	51	0.250	-0.024 [-0.305, 0.257]	0.514 [0.183, 0.845]						
Albumin Index	IL-6	Cytokines	75	0.170	-0.105 [-0.325, 0.115]	0.374 [0.122, 0.626]						
Albumin Index	IL-8	Cytokines	70	0.220	-0.158 [-0.382, 0.066]	0.285 [0.023, 0.546]						
Albumin Index	TNF-a	Cytokines	79	0.185	-0.298 [-0.600, 0.003]		0.496 [0.072, 0.919]					
Albumin Index	MMP-1	MMP	83	0.084	-0.116 [-0.335, 0.103]	0.334 [0.091, 0.578]						
Albumin Index	MMP-10	MMP	85	0.218	-0.287 [-0.577, 0.004]		0.556 [0.148, 0.965]					
Albumin Index	MMP-2	MMP	86	0.236	-0.210 [-0.492, 0.072]		0.447 [0.053, 0.841]					
Albumin Index	MMP-3	MMP	81	0.056	-0.044 [-0.251, 0.162]							
Albumin Index	MMP-9	MMP	86	0.123	-0.290 [-0.590, 0.010]	0.270 [0.039, 0.501]	0.450 [0.031, 0.869]					
Albumin Index	Mean Cortical Thickness	MRI	90	0.081	-0.060 [-0.269, 0.148]	0.318 [0.092, 0.544]						
Albumin Index	Mean Free Water	MRI	94	0.145	-0.301 [-0.578, -0.024]	0.275 [0.059, 0.491]	0.481 [0.085, 0.876]					
Albumin Index	Percent Hippocampal Volume	MRI	90	0.081	-0.060 [-0.269, 0.148]	0.318 [0.092, 0.544]						
Albumin Index	PSMD	MRI	94	0.145	-0.301 [-0.578, -0.024]	0.275 [0.059, 0.491]	0.481 [0.085, 0.876]					
Albumin Index	WMHV	MRI	86	0.076	-0.323 [-0.629, -0.017]		0.566 [0.138, 0.994]					
Albumin Index	IgG Index	Other	95	0.153	-0.262 [-0.535, 0.010]	0.304 [0.091, 0.518]	0.461 [0.072, 0.850]					
Albumin Index	Myelin Basic Protein	Other	91	0.087	-0.049 [-0.248, 0.150]	0.326 [0.104, 0.549]						
MRI WM Permeability	ABeta Ratio (42/40)	AD	56	0	-0.138 [-0.405, 0.129]							
MRI WM Permeability	pTau	AD	62	0	-0.087 [-0.337, 0.163]							
MRI WM Permeability	bFgf	Angiogenic Factors	50	0	-0.216 [-0.503, 0.071]							
MRI WM Permeability	Flt-1	Angiogenic Factors	49	0	-0.195 [-0.484, 0.094]							
MRI WM Permeability	PIGF	Angiogenic Factors	51	0	-0.203 [-0.480, 0.075]							
MRI WM Permeability	Tie-2	Angiogenic Factors	53	0	-0.167 [-0.440, 0.106]							
MRI WM Permeability	VEGF-A	Angiogenic Factors	52	0	-0.176 [-0.453, 0.102]							
MRI WM Permeability	VEGF-C	Angiogenic Factors	51	0	-0.165 [-0.447, 0.118]							
MRI WM Permeability	VEGF-D	Angiogenic Factors	52	0	-0.176 [-0.454, 0.101]							
MRI WM Permeability	IFN-g	Cytokines	54	0	-0.176 [-0.444, 0.092]							
MRI WM Permeability	IL-1b	Cytokines	52	0	-0.183 [-0.452, 0.086]							
MRI WM Permeability	IL-2	Cytokines	54	0	-0.176 [-0.444, 0.092]							
MRI WM Permeability	IL-4	Cytokines	31	0	-0.275 [-0.584, 0.033]							
MRI WM Permeability	IL-6	Cytokines	50	0	-0.149 [-0.432, 0.133]							
MRI WM Permeability	IL-8	Cytokines	47	0	-0.107 [-0.402, 0.189]							
MRI WM Permeability	TNF-a	Cytokines	52	0	-0.189 [-0.464, 0.086]							
MRI WM Permeability	MMP-1	MMP	55	0	-0.106 [-0.378, 0.165]							
MRI WM Permeability	MMP-10	MMP	56	0	-0.105 [-0.373, 0.163]							
MRI WM Permeability	MMP-2	MMP	56	0	-0.110 [-0.378, 0.158]							
MRI WM Permeability	MMP-3	MMP	52	0	-0.149 [-0.422, 0.124]							
MRI WM Permeability	MMP-9	MMP	58	0	-0.144 [-0.402, 0.115]							
MRI WM Permeability	Mean Cortical Thickness	MRI	66	0	-0.019 [-0.263, 0.226]							
MRI WM Permeability	Mean Free Water	MRI	65	0.185	0.051 [-0.178, 0.281]						0.466 [0.220, 0.713]	
MRI WM Permeability	Percent Hippocampal Volume	MRI	66	0	-0.019 [-0.263, 0.226]							
MRI WM Permeability	PSMD	MRI	65	0.188	0.047 [-0.182, 0.275]						0.478 [0.228, 0.728]	
MRI WM Permeability	WMHV	MRI	63	0.172	-0.017 [-0.250, 0.217]						0.412 [0.180, 0.644]	
MRI WM Permeability	IgG Index	Other	61	0	-0.120 [-0.365, 0.126]							
MRI WM Permeability	Myelin Basic Protein	Other	57	0	-0.170 [-0.425, 0.086]							