

**Table S2.** Univariable testing of individual variable association with alpha diversity measures.

Variable	Chao1	Faith's PD	Shannon
Age	<b>R = -.54</b> <b>p = .03</b>	R = -.5 p = .05	R = -.39 p = .14
Sex	D = .26 p = .62	D = .13 p = .79	D = -.35 p = .54
Education	R = -.27 p = .32	R = -.38 p = .15	R = -.17 p = .54
Age of Onset	R = -.51 p = .05	R = -.49 p = .06	R = -.09 p = .75
BMI	R = -.21 p = .43	R = -.06 p = .82	R = -.38 p = .15
MMSE	R = .17 p = .52	R = .21 p = .43	R = -.25 p = .36
MADRS	R = -.01 p = .96	R = -.03 p = .93	R = -.21 p = .44
HAMD	R = .11 p = .69	R = .15 p = .58	R = -.19 p = .49

R=Pearson's correlation coefficient; D=Cohen's d; BMI = Body Mass Index; MMSE = Mini-Mental State Examination; MADRS = Montgomery-Åsberg Depression Rating Scale; HAMD = Hamilton Depression Rating Scale (24 item). P-values calculated by t-test or Pearson's correlation. Bolded: P-value less than 0.05 or absolute D-value greater than 0.8.