

Supplementary table 1. Associations between all cerebrospinal fluid (CSF) markers included in this report in all twins (n=23). Results from the linear regression analysis of the mean values in all twins.

	KYNA	QUIN	TRP	IL-6	IL-8	TNF- α
MCP-1	Reg. coef. 0.48, p=0.001	Reg. coef. 0.16, p=0.283	Reg. coef. 0.40, p=0.006	Reg. coef. -0.22, p=0.036	Reg. coef. 0.022, p=0.888	Reg. coef. -0.12, p=0.575
KYNA	***	Reg. coef. 0.15, p=0.496	Reg. coef. 0.79, p=0.001	Reg. coef. -0.097, p=0.369	Reg. coef. -0.21, p=0.355	Reg. coef. 0.21, p=0.304
QUIN		***	Reg. coef. -0.16, p=0.417	Reg. coef. -0.0011, p=0.992	Reg. coef. 0.86, p=0.0001	Reg. coef. 0.81, p=0.0001
TRP			***	Reg. coef. -0.14, p=0.118	Reg. coef. -0.32, p=0.182	Reg. coef. -0.31, p=0.147
IL-6				***	Reg. coef. 0.19, p=0.241	Reg. coef. 0.25,, p=0.268
IL-8					***	Reg. coef. 0.97 p=0.0001
TNF- α						***

Note: MCP-1 = Monocyte chemoattractant protein 1, KYNA = Kynurenic acid, QUIN = Quinolinic acid, TRP = Tryptophan, IL-6 = Interleukin 6, IL-8 = Interleukin 8, and TNF- α = Tumor necrosis factor-alpha.

Linear regression with a cluster-robust sandwich estimator for the standard errors to account for the twin pair relationships. Results presented as the regression coefficient (Reg. coef.) and p-values. Adjusted for age and sex.

Parts of the results were published elsewhere (Kegel, M.E., et al., Kynurenic acid and psychotic symptoms and personality traits in twins with psychiatric morbidity. *Psychiatry Res*, 2017. **247**: p. 105-112).