Genome-wide Association Study of Dimensional Psychopathology Using Electronic Health Records

A) Negative B) Positive 30 00 0 10⁻⁶ 10⁻⁶ 25 25 20 20 10⁻⁴ 10⁻⁴ Observed Observed P-value P-value 15 15 10 10 10⁻² 10-2 5 5 0 0 10 15 30 0 5 10 15 20 25 30 0 20 25 5 Expected Expected distribution: chi-squared (2 df) Expected Expected distribution: chi-squared (2 df) C) D) Arousal Social 35 35 10 10⁻⁷ 30 30 25 25 10-5 10⁻⁵ 20 fed ved 20 P-value P-value Obser Obser 15 15 10⁻³ 10⁻³ 10 10 5 5 10-1 10⁻¹ 0 0 10 15 0 20 25 30 0 10 15 20 25 30 5 Expected Expected distribution: chi-squared (2 df) Expected Expected distribution: chi-squared (2 df) Cognitive E) 35 10 30 25 10-5 20 Observed valuo 4 15 10⁻³ 10 5 10⁻¹ 0 25 30 10 15 20 Expected Expected distribution: chi-squared (2 df)

Supplemental Information

Supplemental Figure S1: Q-Q plots for each of the five dimensions of psychopathology.