| GWAS trait | Category | Enrichment | SE | No Correction | | Correcting for 7 brain traits | | Correcting for all 21 traits | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 95% CI Lower | 95% CI Upper | 99.3% CI Lower | 99.3% CI Upper | 99.64% CI Lower | 99.64% CI Upper |
| ADHD (2017) | Brain | 1.534 | 0.026 | 1.483 | 1.585 | 1.465 | 1.603 | 1.456 | 1.612 |
| ALS (2016) | Brain | 2.199 | 0.038 | 2.125 | 2.274 | 2.097 | 2.302 | 2.083 | 2.315 |
| Alzheimer's disease (2013) | Brain | 1.097 | 0.026 | 1.047 | 1.148 | 1.028 | 1.167 | 1.019 | 1.176 |
| Autism (2017) | Brain | 2.108 | 0.027 | 2.055 | 2.162 | 2.035 | 2.181 | 2.025 | 2.191 |
| Bipolar disorder (2012) | Brain | 1.836 | 0.022 | 1.793 | 1.879 | 1.778 | 1.895 | 1.770 | 1.902 |
| MDD (2012) | Brain | 2.036 | 0.061 | 1.916 | 2.155 | 1.871 | 2.200 | 1.850 | 2.221 |
| Schizophrenia (2012) | Brain | 1.533 | 0.034 | 1.466 | 1.600 | 1.441 | 1.625 | 1.429 | 1.637 |
| Schizophrenia (2018) | Brain | 1.758 | 0.034 | 1.692 | 1.824 | 1.668 | 1.848 | 1.656 | 1.860 |
| | | | | | | | | | |
| Birth Length (2015) | Non-brain | 0.947 | 0.050 | 0.850 | 1.044 | 0.813 | 1.080 | 0.796 | 1.098 |
| BMI (2015) | Non-brain | 1.378 | 0.011 | 1.356 | 1.401 | 1.347 | 1.409 | 1.343 | 1.413 |
| Cigarettes per day (2010) | Non-brain | 0.876 | 0.026 | 0.825 | 0.928 | 0.805 | 0.947 | 0.796 | 0.957 |
| Coronary artery disease (2014) | Non-brain | 0.855 | 0.016 | 0.823 | 0.887 | 0.811 | 0.899 | 0.805 | 0.905 |
| Crohn's Disease (2015) | Non-brain | 0.776 | 0.108 | 0.564 | 0.987 | 0.486 | 1.066 | 0.448 | 1.104 |
| Ever Smoked (2010) | Non-brain | 2.067 | 0.016 | 2.035 | 2.099 | 2.023 | 2.111 | 2.018 | 2.117 |
| HDL (2013) | Non-brain | 1.533 | 0.044 | 1.447 | 1.619 | 1.415 | 1.651 | 1.400 | 1.667 |
| Height (2014) | Non-brain | 0.754 | 0.030 | 0.696 | 0.813 | 0.674 | 0.835 | 0.664 | 0.845 |
| Inflamatory bowel disease (2015) | Non-brain | 0.564 | 0.059 | 0.449 | 0.679 | 0.406 | 0.722 | 0.385 | 0.743 |
| LDL (2013) | Non-brain | 0.971 | 0.044 | 0.884 | 1.058 | 0.852 | 1.091 | 0.836 | 1.106 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Total cholestrol (2013) | Non-brain | 1.053 | 0.053 | 0.950 | 1.157 | 0.911 | 1.195 | 0.893 | 1.214 |
| Triglycerides (2013) | Non-brain | 1.329 | 0.044 | 1.242 | 1.416 | 1.210 | 1.448 | 1.195 | 1.463 |
| Type 2 diabetes (2012) | Non-brain | 0.372 | 0.021 | 0.330 | 0.413 | 0.315 | 0.429 | 0.307 | 0.436 |
| Ulceritive colitus (2015) | Non-brain | 0.406 | 0.056 | 0.296 | 0.516 | 0.255 | 0.557 | 0.235 | 0.577 |

**SUPPLEMENTARY TABLE 2. Enrichments for all seven brain traits remained significant when correcting for the number of independent tests performed.**