

Supplementary Table 1. Sources and description of GWAS summary statistics used in this analysis.

Disorder	Abbreviation	N(cohorts)	N(cases)	N(controls)	N(total)	N(eff)	Reference
Attention deficit/hyperactivity disorder	ADHD	12	38,691	186,843	225,534	103136	DOI: 10.1038/s41588-022-01285-8
Anorexia nervosa	AN	33	16,992	55,525	72,517	46322	DOI: 10.1038/s41588-019-0439-2
Anxiety disorder*	ANX	2	53,978	221,844	275,822	248239	DOI: 10.1101/2022.04.12.22273763
Autism spectrum disorder	AUT	6	18,381	27,969	46,350	41457	DOI: 10.1038/s41588-019-0344-8
Bipolar disorder	BIP	57	41,917	371,549	413,466	101574	DOI: 10.1038/s41588-021-00857-4
Dyslexia	DYX	1	51,800	1,087,070	1,138,870	113887	DOI: 10.1038/s41588-022-01192-y
Major depressive disorder	MDD	3	170,756	329,443	500,199	430424	DOI: 10.1038/s41593-018-0326-7
Obsessive-compulsive disorder	OCD	2	2,688	7,037	9,725	7281	DOI: 10.1038/mp.2017.154
Schizophrenia	SCZ	90	53,386	77,258	130,644	58746	DOI: 10.1038/s41586-022-04434-5
Tourette syndrome	TS	4	4,819	9,488	14,307	12140	DOI: 10.1176/appi.ajp.2018.18070857
Total			453,408	2,374,026			

*These sumstats are a meta-analysis of two anxiety GWAS studies published previously:

[DOI: 10.1038/s41380-019-0559-1](https://doi.org/10.1038/s41380-019-0559-1)

[DOI: 10.1176/appi.ajp.2019.19030256](https://doi.org/10.1176/appi.ajp.2019.19030256)