iPSYCH-PGC ASD GWAS results — November 2017 release

This is the GWAS results file from the meta-analysis of ASD by the Lundbeck Foundation Initiative for Integrative Psychiatric Research (iPSYCH) and the Psychiatric Genomics Consortium (PGC) released in November 2017.

Citation for studies using these data

J. Grove , S. Ripke, T. D. Als, M. Mattheisen, R. Walters, H. Won, J. Pallesen, E. Agerbo, O. A. Andreassen, R. Anney, R. Belliveau, F. Bettella, J. D. Buxbaum, J. Bybjerg-Grauholm, M. Bækved-Hansen, F. Cerrato, K. Chambert, J. H. Christensen, C. Churchhouse, K. Dellenvall, D. Demontis, S. De Rubeis, B. Devlin, S. Djurovic, A. Dumont, J. Goldstein, C. S. Hansen, M. E. Hauberg, M. V. Hollegaard, S. Hope, D. P. Howrigan, H. Huang, C. Hultman, L. Klei, J. Maller, J. Martin, A. R. Martin, J. Moran, M. Nyegaard, T. Nærland, D. S. Palmer, A. Palotie, C.B.Pedersen, M.G.Pedersen, T.Poterba, J.B.Poulsen, B.S.Pourcain, P.Qvist, K.Rehnström, A. Reichenberg, J. Reichert, E. B. Robinson, K. Roeder, P. Roussos, E. Saemundsen, S. Sandin, F. K. Satterstrom, G. Davey Smith, H. Stefansson, K. Stefansson, S. Steinberg, C. Stevens, P. F. Sullivan, P. Turley, G. B. Walters, X. Xu, Autism Spectrum Disorders Working Group of The Psychiatric Genomics Consortium, BUPGEN, Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, 23andMe Research Team, D. Geschwind, M. Nordentoft, D.M.Hougaard, T.Werge, O.Mors, P.B.Mortensen, B.M.Neale, M.J.Daly, and A.D.Børglum. 'Common risk variants identified in autism spectrum disorder'. https://www.biorxiv.org/content/early/2017/11/27/224774 (2017)

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Non-Compete Request for Pre-Publication Summary Statistics
Consistent with the responsibilities of resource users under 2003 Fort Lauderdale principles and PGC data sharing policies, we request that investigators do not compete with the following analyses before publication of the submitted paper:

(i) analyses in the submitted paper named at the beginning of this document, and
(ii) ongoing cross-disorder/trait studies between ASD and the significantly correlated traits identified in the paper: Intelligence, educational attainment (incl. college yes/no), self-reported tiredness, neuroticism, subjective well-being, schizophrenia, major depression, depressive symptoms, ADHD, and chronotype.

File Description
iPSYCH-PGC_ASD_Nov2017.gz: Full ASD GWAS meta-analysis of samples of European ancestry (18,382 cases, 27,969 controls, see manuscript for methods)

CHR	Chromosome (hg19)
SNP	Marker name
BP	Base pair location (hg19)
A1	Reference allele for OR (may or may not be minor allele)
A2	Alternative allele
INFO	Imputation information score
OR	Odds ratio for the effect of the A1 allele
SE	Standard error of the log(OR)
P	P-value for association test in the meta-analysis

Additional Notes

- For long insertion/deletion variants, the A1/A2 alleles are truncated to the first 13 bases with a specification of the remaining length (e.g. AACACACACACAC+16)
- For multiallelic variants, "m" is appended to the marker name for different alternative alleles in order to insure that the marker name is unique.
- The reported imputation INFO score is a weighted average across the cohorts contributing to meta-analysis for that variant
- Allele frequencies and case/control counts per variant are currently omitted from public release for data privacy. For inquiries about accessing this data, please contact the ASD Data Access Committee (DAC) representative (pgc.dac.aut@gmail.com).