

ReadmeGPC-1.pdf for download of results of the Genetics of Personality Consortium

INTRODUCTION

The Genetics of Personality Consortium (GPC) is a large collaboration of genome-wide association studies for personality. The aim of the GPC is to detect genetic variants associated with personality traits, and to understand the molecular genetic basis of personality traits.

This readme file describes the results of the first meta-analysis of GWAS studies (GPC-1), in which 15 cohorts from across the United States, Europe and Australia participated (10 discovery cohorts and 5 replication cohorts). Personality scores for Neuroticism, Extraversion, Openness to Experience, Agreeableness and Conscientiousness were based on the NEO Five-Factor Inventory. This was followed by a HAPMAP-based GWAS meta-analysis of the five phenotypes in the 10 discovery cohorts, and replication of top hits in the five replication cohorts.

Summary statistics data of the GWAS meta-analyses of the 10 discovery cohorts are made available for download. Please note that these data represent the results of the full meta-analysis (i.e. for all variants for which valid results are available).

DISCLAIMER

These data are made available without warranty, and for scientific and educational use only. It is your own responsibility to use the data correctly. If you download these data, you acknowledge that you use these data only for scientific or educational purposes, and that in case these data end up directly or indirectly in a scientific publication (e.g. journal article, meeting poster or presentation), the appropriate GPC publication is cited (see under REFERENCES below).

To prevent identifiability of individual participants, we only distribute summary statistics data.

DOWNLOAD FILES

The following files are available for download:

GPC-1.NEO-NEUROTICISM.full.txt
GPC-1.NEO-EXTRAVERSION.full.txt
GPC-1.NEO-OPENNESS.full.txt
GPC-1.NEO-AGREEABLENESS.full.txt
GPC-1.NEO-CONSCIENTIOUSNESS.full.txt

The files can be downloaded from the following URL:

<http://www.tweelingenregister.org/GPC>

The files contain the following information (columns):

SNPID CHR BP A1 A2 BETA SE PVALUE INFO NCOH MAF

SNPID rs-number of the SNP

CHR	chromosome number on which the SNP is located (build 36, release 22)
BP	base pair position of the SNP (build 36, release 22)
A1	effect allele of the SNP
A2	non-effect allele of the SNP
BETA	pooled effect size (unstandardized regression coefficient)
SE	standard error of the pooled effect size
PVALUE	p-value associated with the pooled effect size
INFO	average info across cohorts (INFO, PROPER_INFO or R-SQUARED)
NCOH	number of cohorts for which SNP association results are available
MAF	minor allele frequency of the SNP in the HAPMAP reference set

REFERENCES

De Moor, M.H.M., Costa, P.T., Terracciano, A., Krueger, R.F., De Geus, E.J.C., Tanaka, T., Penninx, B.W.J.H., Esko, T., Madden, P.A.F., Derringer, J., Amin, N., Willemsen, G., Hottenga, J.-J., Distel, M.A., Uda, M., Sanna, S., Spinhoven, P., Hartman, C.A., Sullivan, P., Realo, A., Allik, J., Heath, A.C., Pergadia, M.L., Agrawal, A., Lin, P., Grucza, R., Widen, E., Cousminer, D.L., Eriksson, J.G., Palotie, A., Peltonen, L., Luciano, M., Tenesa, A., Davies, G., Houlihan, L.M., Hansell, N.K., Medland, S.E., Ferrucci, L., Schlessinger, D., Montgomery, G.W., Wright, M.J., Aulchenko, Y.S., Janssens, A.C.J.W., Oostra, B.A., Metspalu, A., Abecasis, G.R., Deary, I.J., R  ikk  nen, K., Bierut, L.J., Martin, N.G., Van Duijn, C.M. & Boomsma, D.I. (2012). Meta-analysis of genome-wide association studies for personality. *Molecular Psychiatry*, 17(3), 337-349.

CONTACT

For questions, please contact:

Marleen de Moor m.h.m.de.moor@vu.nl

Stephanie van den Berg stephanie.vandenberg@utwente.nl

Dorret Boomsma d.i.boomsma@vu.nl

Authors of this document: Marleen de Moor, Stephanie van den Berg & Dorret Boomsma

All co-authors on the publications under REFERENCES have seen this document, and approved with making the summary statistics of the GWAS meta-analyses available for download.