**Appendix 1.** Sources of GWAS summary results from genome-wide association consortia.

|  |  |  |  |
| --- | --- | --- | --- |
| **Phenotype** | **URL** | **Reference** | **No. of individuals in GWAS** |
| Coronary Artery Disease | http://www.cardiogramplusc4d.org/downloads/ | Schunkert et al., 2011 [[1](#_ENREF_1)] | 22,233 cases  64,762 controls |
|  |  |  |  |
| Type 2 diabetes | http://diagram-consortium.org/downloads.html | Morris et al., 2012 [[2](#_ENREF_2)] | 12,171 cases  56,862 controls |
|  |  |  |  |
| ADHD | https://www.med.unc.edu/pgc/downloads | Cross-Disorder Group of the Psychiatric Genomics Consortium. 2013 [[3](#_ENREF_3)] | 1947 trio cases 1947 trio pseudo controls, 840 cases  688 controls |
|  |  |  |  |
| Alzheimer's disease | http://www.pasteur-lille.fr/en/recherche/u744/igap/igap\_download.php | Lambert et al., 2013 [[4](#_ENREF_4)] | 17,008 cases  37,154 controls |
|  |  |  |  |
| Autism | https://www.med.unc.edu/pgc/downloads | Cross-Disorder Group of the Psychiatric Genomics Consortium. 2013 [[3](#_ENREF_3)] | 3,303 cases  3,428 controls |
|  |  |  |  |
| Bipolar disorder | https://www.med.unc.edu/pgc/downloads | Psychiatric GWAS Consortium Bipolar Disorder Working Group. 2011 [[5](#_ENREF_5)] | 7,481 cases  9,250 controls |
|  |  |  |  |
| MDD | https://www.med.unc.edu/pgc/downloads | Major Depressive Disorder Working Group of the Psychiatric GWAS Consortium. 2013 [[6](#_ENREF_6)] | 9,240 cases  9,519 controls |
|  |  |  |  |
| Schizophrenia | https://www.med.unc.edu/pgc/downloads | Schizophrenia Working Group of the Psychiatric Genomics Consortium. 2014 [[7](#_ENREF_7)] | 36,989 cases  113,075 controls |
|  |  |  |  |
| Verbal-numerical reasoning | N/A | Davies et al., 2016 [[8](#_ENREF_8)] | 36,035 |
|  |  |  |  |
| Childhood cognitive ability | http://ssgac.org/Data.php | Benyamin et al., 2014 [[9](#_ENREF_9)] | 17,989 |
|  |  |  |  |
| College degree | http://www.thessgac.org/data | Rietveld et al., 2013 [[10](#_ENREF_10)] | 95,427 |
|  |  |  |  |
| Number of children ever born | http://www.thessgac.org/data | Barban et al., 2016 [[11](#_ENREF_11)] | 343,072 |
|  |  |  |  |
| Age at first birth | http://www.thessgac.org/data | Barban et al., 2016 [[11](#_ENREF_11)] | 251,151 |
|  |  |  |  |
| Obesity | http://www.broadinstitute.org/collaboration/giant/images/9/98/GIANT\_EXTREME\_BMI\_Stage1\_Berndt2013\_publicrelease\_HapMapCeuFreq.txt.gz | Brendt et al., 2013 [[12](#_ENREF_12)] | M = 90,562, SD = 12,476 |
|  |  |  |  |
| HOMA B | <ftp://ftp.sanger.ac.uk/pub/magic/MAGIC_ln_HOMA-B.txt> | Dupuis et al., 2010 [[13](#_ENREF_13)] | 46,186 |
|  |  |  |  |
| HOMA IR | <ftp://ftp.sanger.ac.uk/pub/magic/MAGIC_ln_HOMA-IR.txt> | Dupuis et al., 2010 [[13](#_ENREF_13)] | 46,186 |
|  |  |  |  |
| HbA1c | <ftp://ftp.sanger.ac.uk/pub/magic/MAGIC_HbA1C.txt.gz> | Soranzo et al., 2010 [[14](#_ENREF_14)] | 46,368 |
|  |  |  |  |
| High density lipoprotein cholesterol | [http://www.broadinstitute.org/mpg/pubs/lipids2010/hDL\_ONE\_Eur.tbl.sorted.gz](http://www.broadinstitute.org/mpg/pubs/lipids2010/hDL_ONE_Eur.tbl.sorted.gz%20) | Teslovich et al., 2010 [[15](#_ENREF_15)] | 99,900 |
|  |  |  |  |
| Low density lipoprotein cholesterol | http://www.broadinstitute.org/mpg/pubs/lipids2010/LDL\_ONE\_Eur.tbl.sorted.gz | Teslovich et al., 2010 [[15](#_ENREF_15)] | 95,454 |
|  |  |  |  |
| Triglycerides | <http://www.broadinstitute.org/mpg/pubs/lipids2010/TG_ONE_Eur.tbl.sorted.gz> | Teslovich et al., 2010 [[15](#_ENREF_15)] | M = 85,691, SD = 24,764 |
|  |  |  |  |
| Neuroticism | GPC-2.NEUROTICISM.zip | Genetics of personality consortium, 2015 [[16](#_ENREF_16)] | 63,661 |
|  |  |  |  |
| Age at menarche | http://www.reprogen.org/Menarche\_Nature2014\_GWASMetaResults\_17122014.zip | Perry et al., 2014 [[17](#_ENREF_17)] | 132,989 |
|  |  |  |  |
| Waist to hip ratio | http://www.broadinstitute.org/collaboration/giant/images/5/54/GIANT\_2015\_WHR\_COMBINED\_EUR.txt.gz | Shungin et al., 2015 [[18](#_ENREF_18)] | 142,475 |

Abbreviations: SSGAC, social science genetic associations consortium; HOMA B, homeostatic model assessment beta-cells; HOMA IR, homeostatic model assessment insulin resistance; HbA1c, glycated haemoglobin; ADHD, attention deficit hyperactivity disorder; MDD, major depressive disorder.

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