Methods
Study Selection
We sought papers published by investigators referencing datasets from The Genetic Association Information Network (GAIN). We searched through papers included in The GAIN Data Access Committee (GAIN DAC) annual reports of investigators requesting access to GAIN genotyping data.

Only publications written by study investigators acknowledging use of GAIN datasets were included in the Publications Using GAIN Genotyping Data bibliography. These publications were scanned for search terms relating to GAIN or dbGaP (ie: *GAIN, dbGaP, data accession number, etc*).

Publications Using GAIN Genotyping Data

1. Bosker FJ, Hartman CA, Nolte IM, Prins BP, Terpstra P, Posthuma D, van Veen T, Willemsen G, Derijk RH, de Geus EJ, Hoogendijk WJ, Sullivan PF, Penninx BW, Boomsma DI, Snieder H, Nolen WA. Poor replication of candidate genes for major depressive disorder using genome-wide association data. Mol Psychiatry Available online only.

2. Lasky-Su J, Won S, Mick E, Anney RJ, Franke B, Neale B, *et al.* On genome-wide association studies for family-based designs: an integrative analysis approach combining ascertained family samples with unselected controls. Am J Hum Genet. 2010; 86: 573-80.

3. O'Dushlaine C, Kenny E, Heron E, Donohoe G, Gill M, Morris D, *et al.* Molecular pathways involved in neuronal cell adhesion and membrane scaffolding contribute to schizophrenia and bipolar disorder susceptibility. Mol Psychiatry. 2010. Available online only.

4. Shi J, Potash JB, Knowles JA, Weissman MM, Coryell W, Scheftner WA, Lawson WB, Depaulo JR, Jr., Gejman PV, Sanders AR, Johnson JK, Adams P, Chaudhury S, Jancic D, Evgrafov O, Zvinyatskovskiy A, Ertman N, Gladis M, Neimanas K, Goodell M, Hale N, Ney N, Verma R, Mirel D, Holmans P, Levinson DF. Genome-wide association study of recurrent early-onset major depressive disorder. Mol Psychiatry 2010. Available online only.

5. McMahon FJ, Akula N, Schulze TG, Muglia P, Tozzi F, Detera-Wadleigh SD, *et al.* Meta-analysis of genome-wide association data identifies a risk locus for major mood disorders on 3p21.1. Nat Genet. 2010; 42: 128-31.

6. Ruano D, Abecasis GR, Glaser B, Lips ES, Cornelisse LN, de Jong AP, *et al.* Functional gene group analysis reveals a role of synaptic heterotrimeric G proteins in cognitive ability. Am J Hum Genet. 2010; 86: 113-25.

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7. Shyn SI, Shi J, Kraft JB, Potash JB, Knowles JA, Weissman MM, Garriock HA, Yokoyama JS, McGrath PJ, Peters EJ, Scheftner WA, Coryell W, Lawson WB, Jancic D, Gejman PV, Sanders AR, Holmans P, Slager SL, Levinson DF, Hamilton SP. Novel loci for major depression identified by genome-wide association study of sequenced treatment alternatives to relieve depression and meta-analysis of three studies. Mol Psychiatry 2009. Available online only.

8. Bochukova EG, Huang N, Keogh J, Henning E, Purmann C, Blaszczyk K, Saeed S, Hamilton-Shield J, Clayton-Smith J, O'Rahilly S, Hurles ME, Farooqi IS. Large, rare chromosomal deletions associated with severe early-onset obesity, Nature 2009; 463: 666-70.

9. Wallace C, Smyth DJ, Maisuria-Armer M, Walker NM, Todd JA, Clayton DG. The imprinted dlk1-meg3 gene region on chromosome 14q32.2 alters susceptibility to type 1 diabetes. Nat Genet 2009; 42:68-71.

10. Tsaih SW, Pezzolesi MG, Yuan R, Warram JH, Krolewski AS, Korstanje R. Genetic analysis of albuminuria in aging mice and concordance with loci for human diabetic nephropathy found in a genome-wide association scan, Kidney Int 2009; 77:201-10.

11. Paterson AD, Waggott D, Boright AP, Hosseini SM, Shen E, Sylvestre MP, Wong I, Bharaj B, Cleary PA, Lachin JM, Below JE, Nicolae D, Cox NJ, Canty AJ, Sun L, Bull SB. A genome-wide association study identifies a novel major locus for glycemic control in type 1 diabetes, as measured by both hba1c and glucose, Diabetes 2009; 59: 332-4.

12. McCarthy SE, Makarov V, Kirov G, Addington AM, McClellan J, Yoon S, Perkins DO, Dickel DE, Kusenda M, Krastoshevsky O, Krause V, Kumar RA, Grozeva D, Malhotra D, Walsh T, Zackai EH, Kaplan P, Ganesh J, Krantz ID, Spinner NB, Roccanova P, Bhandari A, Pavon K, Lakshmi B, Leotta A, Kendall J, Lee YH, Vacic V, Gary S, Iakoucheva LM, Crow TJ, Christian SL, Lieberman JA, Stroup TS, Lehtimaki T, Puura K, Haldeman-Englert C, Pearl J, Goodell M, Willour VL, Derosse P, Steele J, Kassem L, Wolff J, Chitkara N, McMahon FJ, Malhotra AK, Potash JB, Schulze TG, Nothen MM, Cichon S, Rietschel M, Leibenluft E, Kustanovich V, Lajonchere CM, Sutcliffe JS, Skuse D, Gill M, Gallagher L, Mendell NR, Craddock N, Owen MJ, O'Donovan MC, Shaikh TH, Susser E, Delisi LE, Sullivan PF, Deutsch CK, Rapoport J, Levy DL, King MC, Sebat J. Microduplications of 16p11.2 are associated with schizophrenia, Nat Genet 2009; 41:1223-1227.

13. Paterson AD, Lopes-Virella MF, Waggott D, Boright AP, Hosseini SM, Carter RE, Shen E, Mirea L, Bharaj B, Sun L, Bull SB. Genome-wide association identifies the abo blood group as a major locus associated with serum levels of soluble e-selectin. Arterioscler Thromb Vasc Biol 2009; 29:1958-1967.

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14. Trevino LR, Yang W, French D, Hunger SP, Carroll WL, Devidas M, Willman C, Neale G, Downing J, Raimondi SC, Pui CH, Evans WE, Relling MV. Germline genomic variants associated with childhood acute lymphoblastic leukemia, Nat Genet 2009; 41: 1001-1005.

15. Yoo YJ, Bull SB, Paterson AD, Waggott D, Sun L. Were genome-wide linkage studies a waste of time? Exploiting candidate regions within genome-wide association studies, Genet Epidemiol 2009; 34:107-118.

16. Sun J, Jia P, Fanous AH, Webb BT, van den Oord EJ, Chen X, Bukszar J, Kendler KS, Zhao Z. A multi-dimensional evidence-based candidate gene prioritization approach for complex diseases-schizophrenia as a case, Bioinformatics 2009; 25: 2595-6602.

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18. Shi, J, Levinson, DF, Duan, J, Sanders, AR, Zheng, Y, Pe'er, I, Dudbridge, F, Holmans, PA, Whittemore, AS, Mowry, BJ, Olincy, A, Amin, F, Cloninger, CR, Silverman, JM, Buccola, NG, Byerley, WF, Black, DW, Crowe, RR, Oksenberg, JR, Mirel, DB, Kendler, KS, Freedman, R, Gejman, PV. Common variants on chromosome 6p22.1 are associated with schizophrenia, Nature 2009; 460: 753-757.

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