Supplementary Table 3. Genome-wide association study catalogue data of rs2237892, rs2237895, rs2237896, and rs2237897

PubMed ID	Initial sample size	Replication sample size	Chr	POS	Strongest SNP-risk allele	Risk allele frequency	P value	OR or beta	95% CI (text)	Platform [SNPs passing QC]	Mapped_ trait
28869590	6,353 South Asian ancestry cases, 7,179 South Asian ancestry controls, 3,871 European ancestry cases, 16,427 European ancestry controls, 34,840 cases, 114,981 controls	7,888 South Asian ancestry cases, 20,679 South Asian ancestry controls, 387 European ancestry cases, 2,092 European ancestry controls, 19,998 East Asian ancestry cases, 30,983 East Asian ancestry controls	11	2818521	rs2237892-T	0.0626	2.00E-63	0.215	0.19–0.24 unit decrease	Affymetrix, Illumina [NR] (imputed)	Type 2 diabetes mellitus
28869590	6,353 South Asian ancestry cases, 7,179 South Asian ancestry controls, 3,871 European ancestry cases, 16,427 European ancestry controls, 34,840 cases, 114,981 controls	7,888 South Asian ancestry cases, 20,679 South Asian ancestry controls, 387 European ancestry cases, 2,092 European ancestry controls, 19,998 East Asian ancestry cases, 30,983 East Asian ancestry controls	11	2818521	rs2237892-T	0.0626	1.00E-09	0.1389	0.094–0.183 unit decrease	Affymetrix, Illumina [NR] (imputed)	Type 2 diabetes mellitus
21573907	1,804 Hispanic cases, 780 Hispanic controls	European ancestry individuals	11	2818521	rs2237892-C	NR	4.00E-06	1.2	1.11–1.29	Affymetrix [315658]	Type 2 diabetes mellitus
18711367	187 Japanese ancestry cases, 1,504 Japanese ancestry controls	6,552 East Asian ancestry cases, 6,621 East Asian ancestry controls, 2,830 European ancestry cases, 3,740 European ancestry controls	11	2818521	rs2237892-C	0.61	2.00E-42	1.45	1.34–1.47	NR [82343]	Type 2 diabetes mellitus
19401414	519 Japanese ancestry cases, 503 Japanese ancestry controls	5,110 Japanese ancestry cases, 6,867 Japanese ancestry controls	11	2818521	rs2237892-C	0.59	1.00E-26	1.33	1.27–1.41	Illumina [482625]	Type 2 diabetes mellitus
23945395	5,976 Japanese ancestry cases, 20,829 Japanese ancestry controls	24,416 East Asian ancestry cases, 13,985 East Asian ancestry controls	11	2818521	rs2237892-C	0.61	4.00E-29	1.3	1.24–1.36	Illumina [6209637] (imputed)	Type 2 diabetes mellitus
22961080	1,839 Han Chinese ancestry cases, 1,873 Han Chinese ancestry controls	15,979 East Asian ancestry cases, 19,360 East Asian ancestry controls, 794 Malay ancestry cases, 1,240 Malay ancestry controls, 159 Filipino ancestry cases, 1,624 Filipino ancestry controls	11	2818521	rs2237892-C	0.657	1.00E-07	1.32	1.19–1.46	Illumina [2234194] (imputed)	Type 2 diabetes mellitus
30054458	61,714 European ancestry cases, 1,178 Pakistani ancestry cases, 593,952 European ancestry controls, 2,472 Pakistani ancestry controls	NA	11	2818521	rs2237892-T	0.062489595	9.00E-10	0.096	0.065–0.127 unit decrease	NR [5035015] (imputed)	Type 2 diabetes mellitus

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Supplementary Table 3. Continued

PubMed ID	Initial sample size	Replication sample size	Chr	POS	Strongest SNP-risk allele	Risk allele frequency	*P* value	OR or beta	95% CI (text)	Platform [SNPs passing QC]	Mapped_trait
20174558	995 Han Chinese ancestry cases, 894 Han Chinese ancestry controls	1,803 Han Chinese ancestry cases, 1,473 Han Chinese ancestry controls	11	2835964	rs2237895-C	0.33	1.00E-09	1.29	1.19–1.40	Illumina [516737]	Type 2 diabetes mellitus
26818947	15,463 Japanese ancestry cases, 26,183 Japanese ancestry controls	20,490 East Asian ancestry cases, 22,922 East Asian ancestry controls, 38,947 European ancestry cases, 121,903 European ancestry controls, 10,587 South Asian ancestry cases, 14,378 South Asian ancestry controls, 3,848 Mexican/Latino cases, 4,366 Mexican/Latino controls	11	2837210	rs2237896-G	NR	3.00E-70	1.32546	1.28479–1.36741	Illumina [7521072] (imputed)	Type 2 diabetes mellitus
18711366	194 Japanese ancestry cases, 1,558 Japanese ancestry controls	5,324 East Asian ancestry cases, 7,037 East Asian ancestry controls, 4,085 European ancestry cases, 5,302 European ancestry controls	11	2837316	rs2237897-C	0.34	1.00E-16	1.33	1.24–1.41	Affymetrix [207097]	Type 2 diabetes mellitus
24390345	3,848 Mexican and other Latin American ancestry cases, 4,366 Mexican and other Latin American ancestry controls	896 Mexican American cases, 832 Mexican American controls, 2,768 East Asian ancestry cases, 2,880 East Asian ancestry controls, 1,082 South Asian ancestry cases, 1,105 South Asian ancestry controls, 1,874 European ancestry cases, 1,333 European ancestry controls, 2,127 African American cases, 2,103 African American controls, 698 Native Hawaiian ancestry cases, 579 Native Hawaiian ancestry controls, 2,009 Singaporean ancestry cases, 1,959 Singaporean ancestry controls	11	2837316	rs2237897-C	NR	9.00E-15	1.31	1.22–1.41	Illumina [9200000] (imputed)	Type 2 diabetes mellitus

Note that the rs2237895 was identified as susceptible loci of type 2 diabetes mellitus only in East Asian population. The other trans-ethnic genome-wide association studies were not able to identify the rs2237895 as susceptible loci to type 2 diabetes mellitus. We curated necessary information from original data.

Chr, chromosome; POS, position; SNP, single nucleotide polymorphism; OR, odds ratio; CI, confidence interval; NR, not reported; NA, not available.