



Supplemental Figure S1. Results of the statistical analysis for the present study. Expected number of cases versus statistical power of the present study.

Supplemental Table S1. Basic information of the 9 selected SNPs for genotyping

CHR	POS	SNP	Minor Allele	Major Allele	MAF	HWE	Function
11	65539637	rs149115544	G	A	0.06	0.55	intron
11	65539931	rs11227217	T	C	0.18	1.00	intron
11	65542976	rs60514964	G	A	0.08	0.25	intron
11	65542980	rs184791507	A	G	0.05	0.29	intron
11	65548911	rs11601767	C	T	0.36	0.92	intron
11	65552280	rs11545200	A	G	0.06	1.00	missense
11	65552515	rs4099470	T	C	0.13	0.68	intron
11	65552969	rs117063418	A	G	0.06	0.38	coding-synon
11	65556254	rs10896015	A	G	0.23	0.34	intron

CHR: chromosome; POS: position; MAF: minor allele frequency; HWE: *P*-value of Hardy-Weinberg equilibrium tests in controls.

Supplemental Table S2. Parameters utilized in statistical power analysis

Parameters	Values	Note
Mode	Additive	-
Relative risk	1.3	-
MAF	0.13	Average MAF of the 9 SNPs in 1000 genome CHB data
Cases: Controls	0.464	-
α	0.006	0.05/9
Prevalence	4.2%	Ref: PMID 25775186

Supplemental Table S3. eQTL signals achieved genome-wide significance for SNP rs10896015 in multiple

human tissues based on data extracted from GTEx database

GENE	SNP	Ref_Alt	P-Value	NES	Tissue
<i>AP000769.1</i>	rs10896015	G_A	1.30×10^{-5}	0.21	Cells - Transformed fibroblasts
<i>AP000769.1</i>	rs10896015	G_A	1.30×10^{-9}	0.33	Muscle - Skeletal
<i>AP000769.1</i>	rs10896015	G_A	2.20×10^{-8}	0.3	Nerve - Tibial
<i>AP000769.1</i>	rs10896015	G_A	9.40×10^{-6}	0.29	Skin - Not Sun Exposed (Suprapubic)
<i>FAM89B</i>	rs10896015	G_A	2.60×10^{-7}	0.18	Muscle - Skeletal
<i>KRT8P26</i>	rs10896015	G_A	3.50×10^{-5}	-0.33	Breast - Mammary Tissue
<i>KRT8P26</i>	rs10896015	G_A	4.60×10^{-5}	-0.3	Cells - Transformed fibroblasts
<i>KRT8P26</i>	rs10896015	G_A	1.10×10^{-4}	-0.29	Thyroid
<i>LTBP3</i>	rs10896015	G_A	1.90×10^{-5}	0.11	Adipose - Subcutaneous
<i>LTBP3</i>	rs10896015	G_A	7.70×10^{-7}	0.16	Muscle - Skeletal
<i>LTBP3</i>	rs10896015	G_A	5.40×10^{-12}	0.21	Nerve - Tibial
<i>LTBP3</i>	rs10896015	G_A	6.20×10^{-5}	0.11	Skin - Sun Exposed (Lower leg)
<i>MALAT1</i>	rs10896015	G_A	9.60×10^{-6}	-0.18	Muscle - Skeletal
<i>MAP3K11</i>	rs10896015	G_A	2.60×10^{-5}	-0.2	Thyroid
<i>NEAT1</i>	rs10896015	G_A	1.30×10^{-5}	0.34	Adipose - Subcutaneous
<i>NEAT1</i>	rs10896015	G_A	2.50×10^{-7}	0.34	Adipose - Visceral (Omentum)
<i>NEAT1</i>	rs10896015	G_A	5.30×10^{-9}	0.27	Artery - Aorta
<i>NEAT1</i>	rs10896015	G_A	4.20×10^{-7}	0.19	Artery - Tibial
<i>NEAT1</i>	rs10896015	G_A	5.00×10^{-6}	0.16	Cells - Transformed fibroblasts
<i>NEAT1</i>	rs10896015	G_A	3.60×10^{-8}	0.4	Colon - Transverse
<i>NEAT1</i>	rs10896015	G_A	7.50×10^{-10}	0.32	Esophagus - Mucosa
<i>NEAT1</i>	rs10896015	G_A	7.60×10^{-10}	0.3	Esophagus - Muscularis
<i>NEAT1</i>	rs10896015	G_A	4.40×10^{-5}	0.2	Heart - Atrial Appendage
<i>NEAT1</i>	rs10896015	G_A	4.40×10^{-5}	0.21	Heart - Left Ventricle
<i>NEAT1</i>	rs10896015	G_A	1.00×10^{-8}	0.25	Lung
<i>NEAT1</i>	rs10896015	G_A	6.20×10^{-10}	0.23	Muscle - Skeletal
<i>NEAT1</i>	rs10896015	G_A	1.20×10^{-13}	0.36	Nerve - Tibial
<i>NEAT1</i>	rs10896015	G_A	2.50×10^{-5}	0.28	Pituitary
<i>NEAT1</i>	rs10896015	G_A	2.30×10^{-6}	0.25	Skin - Not Sun Exposed (Suprapubic)
<i>NEAT1</i>	rs10896015	G_A	4.20×10^{-7}	0.22	Skin - Sun Exposed (Lower leg)
<i>NEAT1</i>	rs10896015	G_A	3.90×10^{-7}	0.34	Stomach
<i>NEAT1</i>	rs10896015	G_A	4.00×10^{-7}	0.21	Thyroid
<i>PCNXL3</i>	rs10896015	G_A	1.20×10^{-4}	-0.11	Nerve - Tibial
<i>RNASEH2C</i>	rs10896015	G_A	2.00×10^{-8}	-0.18	Muscle - Skeletal
<i>RP11-770G2.4</i>	rs10896015	G_A	2.60×10^{-5}	0.3	Testis
<i>SSSCAI-AS1</i>	rs10896015	G_A	2.80×10^{-5}	0.28	Adipose - Subcutaneous
<i>SSSCAI-AS1</i>	rs10896015	G_A	1.50×10^{-6}	0.24	Artery - Tibial
<i>SSSCAI-AS1</i>	rs10896015	G_A	2.70×10^{-7}	0.7	Cells - EBV-transformed lymphocytes
<i>SSSCAI-AS1</i>	rs10896015	G_A	2.10×10^{-5}	0.32	Colon - Sigmoid
<i>SSSCAI-AS1</i>	rs10896015	G_A	4.00×10^{-6}	0.23	Muscle - Skeletal
<i>SSSCAI-AS1</i>	rs10896015	G_A	7.10×10^{-5}	0.25	Skin - Sun Exposed (Lower leg)
<i>SSSCAI-AS1</i>	rs10896015	G_A	2.10×10^{-6}	0.28	Thyroid

NES: normalized effect size.