Figure 1

b 12q24

EAS  rs671

10q21

EUR  rs4590817

Genetic impact in EUR

Genetic impact in EAS

EAS  rs145193831

Position on Chr 12 [Mb]

Position on Chr 10 [Mb]

c 12q24

Ancestral haplotype

10q21

Ancestral haplotype

EUR  rs4590817_C

rs4590817_C

Ancestral haplotype

EAS  rs145193831_T

rs145193831_T
Figure 2

Trans-ancestry genetic correlation (95% CI)

Heritability (95% CI)

EAS vs. EUR

EAS

EUR

SBP, DBP, HDL, LDL, TC, TG, BMI, Height

SBP, DBP, HDL, LDL, TC, TG, BMI, Height

SBP, DBP, HDL, LDL, TC, TG, BMI, Height
Figure 4

Sentinel SNPs of loci associated in EAS

- DBP
- LDL-C
- T2D
- BMI
- Height

- Specific to EAS (1)
- Not specific (39)

- Specific to EAS (0)
- Not specific (11)

- Specific to EAS (2)
- Not specific (22)

- Specific to EAS (6)
- Not specific (61)

- Specific to EAS (0)
- Not specific (70)

- Specific to EUR (8)
- Not specific (47)

- Specific to EUR (7)
- Not specific (65)

- Specific to EUR (3)
- Not specific (36)

- Specific to EUR (6)
- Not specific (68)

- Specific to EUR (21)
- Not specific (459)

Standardized effect size in EAS (absolute value)