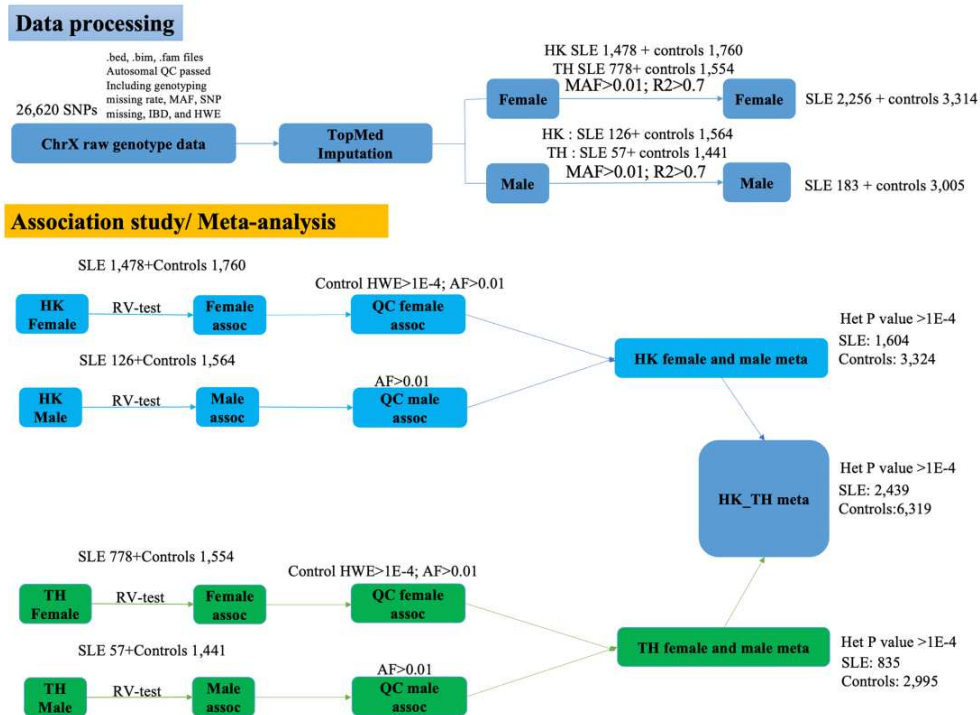
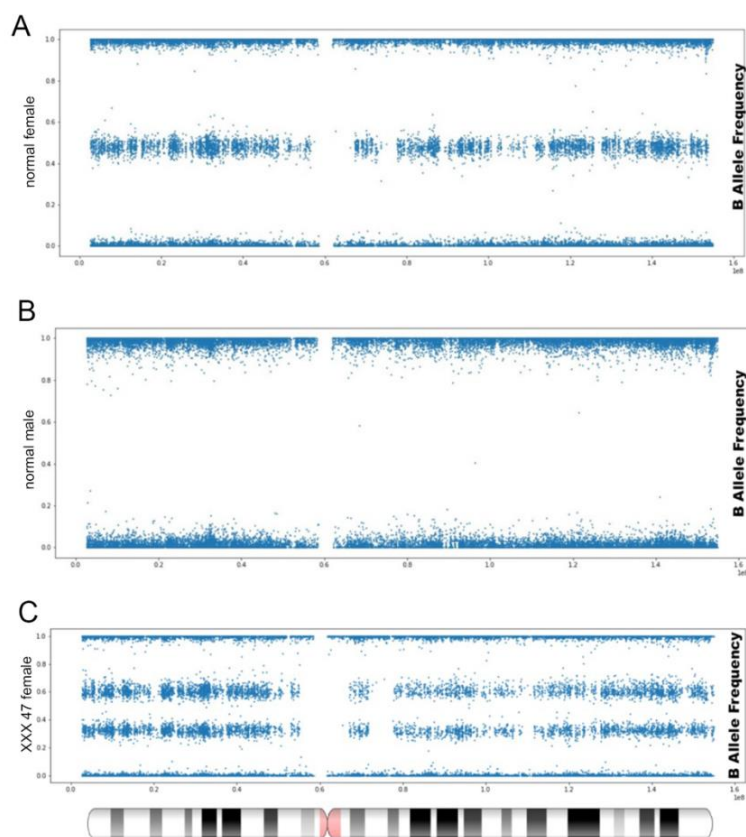


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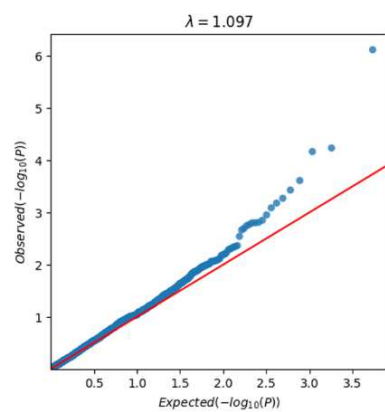


Supplementary Figure 1 A diagram showing the study design according to PRISMA recommendation.



Supplementary Figure 2 Identification of trisomy X (47, XXX)

A) shown are B allele frequency plot of 46, XX from a representative normal woman. B) 46, XY from a normal man, and C) 47, XXX from a patient with trisomy X syndrome. The X-axis indicated SNPs across X chromosome and Y-axis shows the intensity of B allele for the SNP.



Supplementary Figure 3 Quantile-quantile (QQ) plot and genomic inflation factor lambda for the trans-ancestry meta-analysis in X chromosome.