

Analysis of exome-sequenced UK Biobank subjects implicates genes affecting risk of hyperlipidaemia

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Erratum

The author has now analysed a larger sample including an additional 150,000 exome-sequenced subjects and discovered that, in the genotypes provided by UK Biobank, variants on the X chromosome are called with slightly higher frequency in females than males. Since hyperlipidaemia is commoner in males, this has the effect of introducing a bias such that it appears that variants in genes on the X chromosome are more frequent in subjects without hyperlipidaemia. This previously unrecognised bias accounts for the results reported for *HUWE1*, *CXorf56*, *ACOT9*, *GK*, *GYG2*, *PHKA1* and *PHKA2*, which are all located on the X chromosome. When sex is included as a covariate then none of these genes shows evidence for association with hyperlipidaemia in the larger sample. The results reported here for these genes, and others on the X chromosome, should be disregarded.

Erratum for:

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