

README

Autosomal genes

For genes residing on autosomes (chromosomes 1-22), the genotypes are the allelic dosages imputed by the Michigan Imputation Server from the Omni 2.5-8 v1.1 genotyping array.

X chromosome genes

For the genes residing on the X chromosome, the genotypes in this data represent the count of alternate alleles as directly measured by the Omni 2.5-8 v1.1 genotyping array. The Michigan Imputation Server's X chromosome imputation algorithm is still under development, so we don't have imputed data for the X chromosome at this point.

Genome build

Variant positions in the data are represented in terms of the Genome Reference Consortium Human genome build 37 (GRCh37, i.e., hg19).

Gene boundaries

The start and end coordinates of a gene will often vary slightly by genome reference assembly. Genes in this data set were extracted according to the gene boundaries reported by the Ensembl release 94 genome assembly and mapped to Build 37 of the human genome (GRCh37).

The gene annotation data used to define the gene boundaries for this data set was downloaded from BioMart:

<http://grch37.ensembl.org/biomart/martview/23e8be975e2ff516cbb0fc026009e5c2>

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