

A

Usage in genotype imputation workflow

Genotype pre-phasing - SHAPEIT2



Phased haplotypes in SHAPEIT2 format



Alignment to imputation reference - Genotype Harmonizer



Phased haplotypes with same strand as reference



Imputation - IMPUTE2

B

Usage in meta-analysis workflow

Dataset 1
HapMap strands

Dataset 2
Top/Bot strands

Dataset 3
Unknown strands



Different file formats



Alignment to same dataset - Genotype Harmonizer



Identical formats and strands



Meta-analysis without strand issues