

SNP-HLA Reference Consortium: HLA and SNP data sharing for promoting HLA centric analyses in genomics

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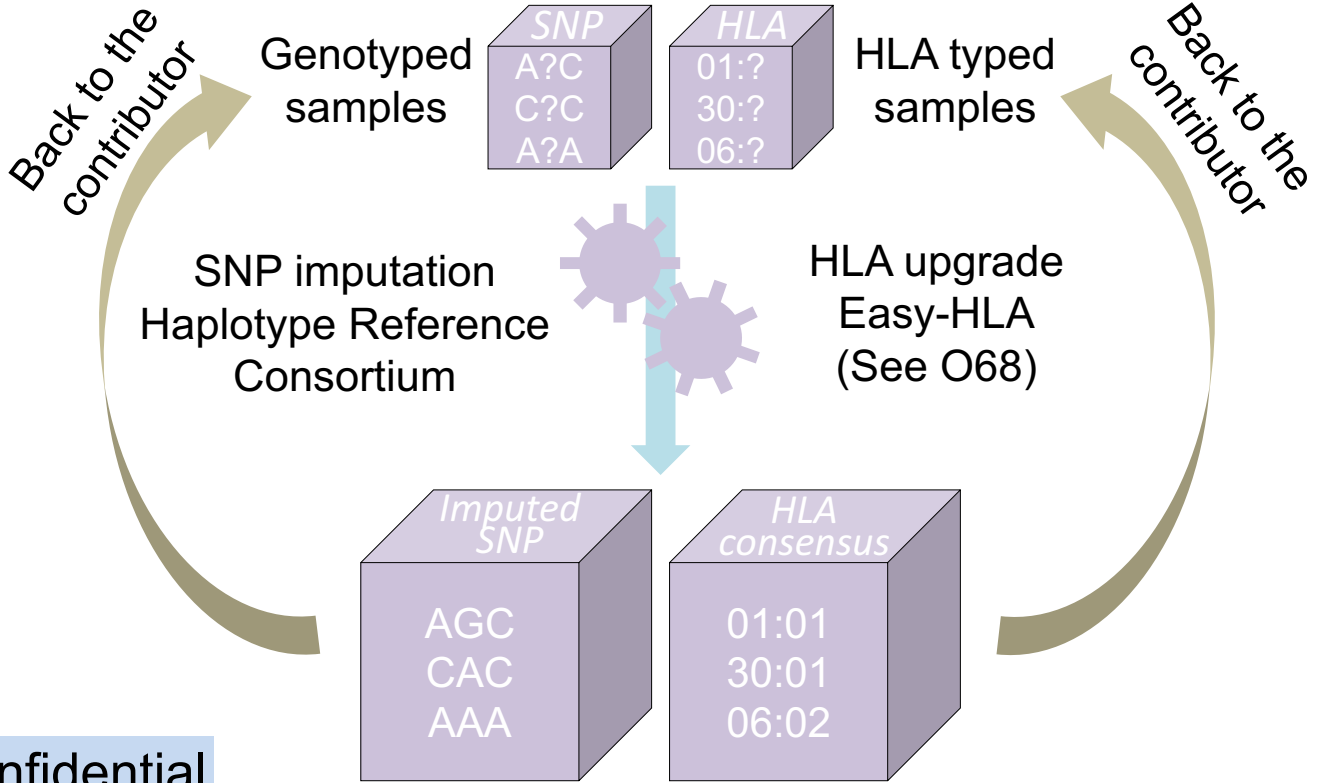
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HLA and SNP data sharing for promoting HLA centric analyses in genomics

Access **large SNP-HLA dataset** to build suitable reference panels



Confidential

Make available diverse reference panels for HLA imputation

Public

Reference panels with different:

- ethnicity
- genotyping chip
- genotyping resolution

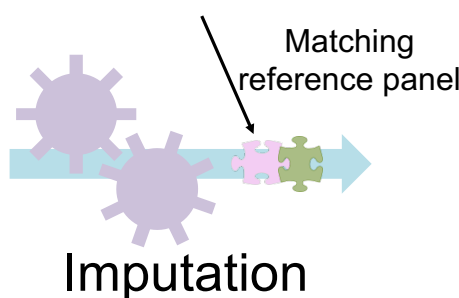
Training
Time and resource consuming

Example reference building:

- 917 samples
- 29,960 SNPs
- 252 HLA alleles 4d
- >30,000 CPU-hours

Data to impute

Genotypes			HLA allele
A	G	C	?
C	A	C	?
A	A	A	?



HLA allele
01:01
30:01
06:02

HLA alleles are inferred from the SNPs using a large HLA reference panel

The community needs access to large and diverse dataset
Please, share your HLA and SNP data

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