

Technical Specifications Report for Pharmacogenomics Of HLA Variants in 4 Asian populations

Computer facilities

- Acer E5-511, Windows 10, 64bits
- HackBio's remote server
- Linux terminal on <https://shell.cloud.google.com/>

Softwares

- R
- RStudio
- ggplot
- PLINK
- Winscp

Datasets

- Complete_1000_genomes_sample_list_.tsv for all populations
- Asia.bed - binary file contains data on individual identification and genotype
- Asia.bim -text file, contains data on SNPs position
- Asia.fam - text file, contains data on family relationship and gender

Metadata from complete 1000 genomes list

	Sample.name	Sex	Biosample.ID	Population.code	Population.name	Superpopulation.code	Superpopulation.name	Population.elastic.ID	Data.collections
1	HG00105	male	SAME123949	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
2	HG00112	male	SAME123941	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
3	HG00117	male	SAME123946	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
4	HG00124	female	SAME122870	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes phase 3 release,1...
5	HG00129	male	SAME122867	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
6	HG00131	male	SAME123064	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
7	HG00136	male	SAME123065	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
8	HG00143	male	SAME124393	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
9	HG00148	male	SAME124388	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
10	HG00150	female	SAME124591	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
11	HG00155	male	SAME124588	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
12	HG00174	female	SAME124958	FIN	Finnish,Finnish	EUR	European Ancestry,West Eurasia (SGDP)	FIN,FinnishSGDP	1000 Genomes on GRCh38,Simons Genome Diversity Projec...
13	HG00179	female	SAME124965	FIN	Finnish	EUR	European Ancestry	FIN	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
14	HG00181	male	SAME123644	FIN	Finnish	EUR	European Ancestry	FIN	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
15	HG00186	male	SAME123647	FIN	Finnish	EUR	European Ancestry	FIN	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
16	HG00232	female	SAME124126	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
17	HG00237	female	SAME124124	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...
18	HG00244	male	SAME123317	GBR	British	EUR	European Ancestry	GBR	1000 Genomes on GRCh38,1000 Genomes 30x on GRCh38,1...