

1 Orang/Data preparation

1.1 vcf to ms like file and EstL input data file

The data are in the file “Orang_Data.vcf”.

The perl script “perl-vcf2ms” generated the following

Orang_msfile ms like file of 50kb chunk of genpme >10bp long

Orang_msfile-Summary Summary information for each region

Orang_EstL_template The template of the input data file for EstL

1.2 Calculate the summary statistics

Done by the C program “stats_pop”:

`./stats_pop -m Orang_msfile -a 1 -f 5 15 -p 2 >Orang_EstL_summaries`

The file “Orang_EstL_summaries” contains all the summaries calculated by the program.

1.3 Creating EstL Input data file