October 15, 2013

1 Orang/Data preparation

1.1 vcf to ms like file and EstL input data file

The dara 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 infromation 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 maf -f 5 15 -p 2 >Orang_EstL_summaries
   The file "Orang_EstL_summaries" contains all the summaries calculated by the program.

1.3 Create Finalized EstL data input file

- Open "Orang_EstL_summaries" in exel and save as text delimited "Orang_EstL_Data"

- Open "Orang_EstL_template" in exel and copy the whole data, insert them in "Orang_EstL_Data".

- delete the extra rows "r n1 n2 L"

- Add "//" to "S//"

- Save as text delimited (Open in some text editor [I use BBedit at bottom chance from MAC(CR) to linux] to make sure the format is ASCII)