

PEDconvert tool converts PLINK PED files into Multiple Genes File Format. There are 3 input files for this tool.

PED file: PLINK PED file

MAP file: PLINK MAP file

SNP Info file: SNP Info file, which is discussed below

SNP Info file contains information about each SNP on each line, and there are three columns.

1st column: SNP rsID (must be the same rsID as in the MAP file)

2nd column: Gene ID (must be an integer)

3rd column: Weight of this SNP (must be between 0 and 1)

Gene ID is the ID of gene to which the SNP belongs, and Weight is between 0 and 1.

Here is a sample SNP Info file with 5 SNPs in 2 genes.

rs1 1 0.1

rs2 1 0.9

rs3 2 0.3

rs4 2 0.2

rs5 2 0.8

Currently, PEDconvert tool is compatible with Linux systems only (please let me know if you want the tool to be compatible with Windows or Mac).

To execute this tool, type

`./PEDconvert.sh [prefix of ped/map file] [SNP info file] [output file]`

For example, if you have test.ped, test.map, test.snpinfo files and output file is test.output, the command should be

`./PEDconvert.sh test test.snpinfo test.output`

Please send any bugs, suggestions, and questions to jhsul@cs.ucla.edu (Jae Hoon Sul)