

SUPPORTED ANALYSIS METHODS

For the following methods Biocomputing Platforms Ltd offers graphical web browser user interfaces, analysis job segmentation tools, automated workflow for running the analysis on a calculation cluster, or alternatively pure exporting of data as analysis program input files.

Mendelian checking of inheritance

patterns

PLINK ^[1]
PEDCHECK ^[2]
Merlin ^[3]
Mendel ^[4]

Linkage analysis

Merlin ^[3]
Allegro ^[5]
Genehunter, Genehunter Plus ^[6]
Simwalk2 ^[7]
Mendel ^[4]
Solar ^[8]

TDT analysis

FBAT / PBAT ^[9,10]
TRANSMIT ^[11]
QTDT ^[12]

Haplotyping

PHASE ^[13]
fastPHASE ^[13]
SNPHAP ^[14]
HaploRec ^[15]

Case-control analysis

PLINK ^[1]
Haploview ^[16]
HPM, HPM-G, HPM-Q ^[17]
HelixTree ^[18]
PDT ^[19]
ColdMap ^[20]
BIMBAM ^[21]

Population stratification

PLINK ^[1]
Structure ^[20]
Relpair ^[23]
Eigenstrat ^[24]

Epistasis

PLINK ^[1]

Pedigree drawing and analysis

PED5 ^[25]
Cranefoot ^[26]
Pelican ^[27]

Scripting

R scripts ^[28]
SAS scripts ^[29]

Data format conversions

Mega2 ^[30]

Data export

ASCII
SPSS
STATA
Excel (SYLK)

Imputing (in-silico genotyping) and analysis

MaCH ^[31]
IMPUTE ^[32]
SNPTEST ^[33]

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32. Homepage: <http://www.stats.ox.ac.uk/~Emarchini/software/gwas/impute.html>
33. Homepage: <http://www.stats.ox.ac.uk/~marchini/software/gwas/snptest.html>