

===== Log file: LRs per locus =====

===== Input files =====

SAMPLE FILE:

C:/Users/809157br/Desktop/Analisi statistica/Traccia I.csv

SUSPECT FILE:

C:/Users/809157br/Desktop/Analisi statistica/MSCK.csv

VICTIM FILE:

SELECTED LOCI:

D3S1358 D19S433 D2S1338 D16S539 D18S51 TH01 vWA D21S11 D8S1179 FGA

SELECTED REPLICATES:

TracciaIR1 TracciaIR2

===== User parameters =====

Drop-out value: 0.5

Drop-in value: 0.05

Theta value: 0.01

Unknowns under Hp: 1

Unknowns under Hd: 2

===== Hypotheses =====

Under Hp: MSCK + 1 unknown(s)

Under Hd: 2 unknown(s)

===== Log10(LR) vs. Pr(D) =====

Locus Pr(E|Hp) Pr(E|Hd) LR log(LR)

D3S1358 0.0004424 8.438e-05 5.244 0.7196

D19S433 2.851e-05 3.792e-05 0.7519 -0.1239

D2S1338 0.00128 0.001529 0.8375 -0.07702

D16S539 0.004688 0.003726 1.258 0.0998

D18S51 0.0001044 0.0003613 0.2889 -0.5393

TH01 0.0003162 9.875e-05 3.202 0.5055

vWA 4.291e-06 2.546e-05 0.1686 -0.7732

D21S11 0.000239 0.001773 0.1348 -0.8704

D8S1179 1.554e-07 5.443e-05 0.002855 -2.544

FGA 5.415e-06 7.249e-05 0.0747 -1.127

product 2.157e-42 1.158e-37 1.863e-05 -4.73

===== Log file: Sensitivity analysis =====

===== Input files =====

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VICTIM FILE:

SELECTED LOCI:

D3S1358 D19S433 D2S1338 D16S539 D18S51 TH01 vWA D21S11 D8S1179 FGA

SELECTED REPLICATES:

TracciaIR1 TracciaIR2

===== User parameters =====

Drop-in value: 0.05

Theta value: 0.01

Unknowns under Hp: 1

Unknowns under Hd: 2

===== Hypotheses =====

Under Hp: MSCK + 1 unknown(s)

Under Hd: 2 unknown(s)

===== Drop-out ranges: under Hp =====

5% percentile 0.27

95% percentile 0.53

===== Drop-out ranges: under Hd =====

5% percentile 0.22

95% percentile 0.47

===== Likelihoods & likelihood ratios =====

Pr(D) Pr(E|Hp) Pr(E|Hd) LR log10(LR)

0.01 6.764e-83 1.561e-50 4.334e-33 -32.36

0.062 4.244e-60 1.398e-42 3.036e-18 -17.52

0.11 3.177e-53 5.678e-40 5.595e-14 -13.25

0.16 4.394e-49 2.13e-38 2.062e-11 -10.69

0.22 5.677e-46 2.915e-37 1.948e-09 -8.71

0.27 2.747e-44 1.005e-36 2.732e-08 -7.564

0.32 3.611e-43 1.776e-36 2.034e-07 -6.692

0.37 1.718e-42 1.735e-36 9.905e-07 -6.004

0.42 3.467e-42 9.654e-37 3.591e-06 -5.445

0.47 3.223e-42 3.058e-37 1.054e-05 -4.977
0.53 1.103e-42 3.508e-38 3.145e-05 -4.502
0.58 1.942e-43 2.797e-39 6.946e-05 -4.158
0.63 1.476e-44 1.037e-40 0.0001423 -3.847
0.68 4.239e-46 1.53e-42 0.0002771 -3.557
0.73 3.676e-48 7.002e-45 0.0005249 -3.28
0.78 6.561e-51 6.612e-48 0.0009923 -3.003
0.84 1.483e-55 6.648e-53 0.00223 -2.652
0.89 2.377e-61 4.848e-59 0.004904 -2.309
0.94 5.795e-71 3.984e-69 0.01454 -1.837
0.99 9.413e-96 1.981e-95 0.4751 -0.3232

"quantile"	"value"
"min"	"-16.3235"
"0.01"	"-14.6069"
"0.05"	"-13.6679"
"0.5"	"-9.4167"
"0.95"	"-4.5428"
"0.99"	"-2.7728"
"max"	"-0.544"

Traccia I vs MSCK

