

===== Log file: LRs per locus =====
===== Input files =====

SAMPLE FILE:

C:/Users/Filippo/Desktop/Traccia I.csv

SUSPECT FILE:

C:/Users/Filippo/Desktop/AMK.csv

VICTIM FILE:

SELECTED LOCI:

D3S1358 D19S433 D2S1338 D16S539 D18S51 TH01 vWA D21S11 D8S1179 FGA

SELECTED REPLICATES:

TracciaIR1 TracciaIR2

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

Drop-out value: 0.1

Drop-in value: 0.05

Theta value: 0.01

Unknowns under Hp: 1

Unknowns under Hd: 2

===== Hypotheses =====

Under Hp: AMK + 1 unknown(s)

Under Hd: 2 unknown(s)

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

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

D3S1358 0.0002793 0.0001137 2.457 0.3904

D19S433 0.001822 7.537e-05 24.18 1.383

D2S1338 0.04779 0.002445 19.54 1.291

D16S539 0.00866 0.0008117 10.67 1.028

D18S51 0.000443 4.705e-05 9.415 0.9738

TH01 0.0004743 0.0001398 3.393 0.5306

vWA 1.144e-05 4.065e-06 2.815 0.4496

D21S11 0.01021 0.003224 3.168 0.5008

D8S1179 0.001234 7.423e-05 16.62 1.221

FGA 0.0001441 1.019e-05 14.14 1.15

product 9.192e-31 1.109e-39 829100000 8.919

===== Log file: Sensitivity analysis =====
===== Input files =====

SAMPLE FILE:
C:/Users/Filippo/Desktop/Traccia I.csv

SUSPECT FILE:
C:/Users/Filippo/Desktop/AMK.csv

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: AMK + 1 unknown(s)
Under Hd: 2 unknown(s)

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

5% percentile 0.22
95% percentile 0.58

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

5% percentile 0.16
95% percentile 0.47

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

Pr(D)	Pr(E Hp)	Pr(E Hd)	LR	log10(LR)
0.01	4.56e-40	1.064e-49	4.287e+09	9.632
0.062	9.094e-33	7.615e-42	1.194e+09	9.077
0.11	2.214e-30	2.898e-39	763800000	8.883
0.16	5.355e-29	1.025e-37	522500000	8.718
0.22	4.475e-28	1.312e-36	3.41e+08	8.533
0.27	1.048e-27	4.305e-36	243500000	8.387
0.32	1.292e-27	7.274e-36	177600000	8.249
0.37	9.069e-28	6.834e-36	132700000	8.123
0.42	3.741e-28	3.678e-36	101700000	8.007

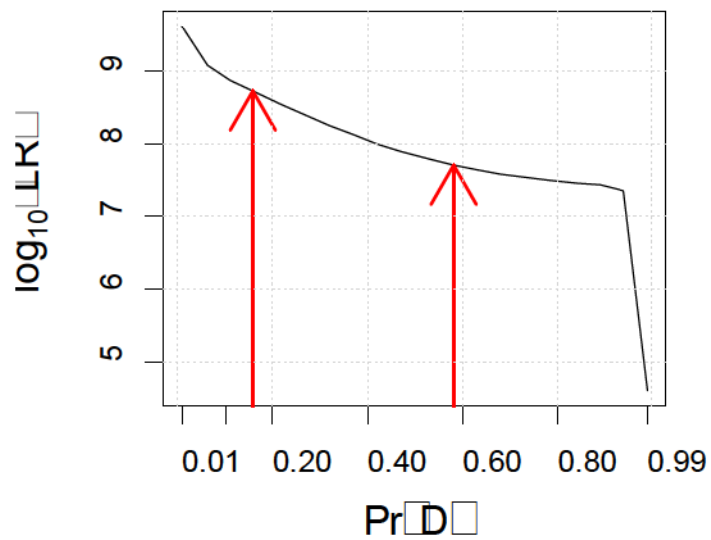
0.47 9.055e-29 1.132e-36 80020000 7.903
0.53 7.819e-30 1.261e-37 62020000 7.793
0.58 5.074e-31 9.85e-39 51510000 7.712
0.63 1.574e-32 3.593e-40 43810000 7.642
0.68 1.993e-34 5.226e-42 38140000 7.581
0.73 8.047e-37 2.366e-44 34010000 7.532
0.78 6.896e-40 2.219e-47 31080000 7.493
0.84 6.408e-45 2.224e-52 28810000 7.46
0.89 4.449e-51 1.628e-58 27320000 7.437
0.94 3.02e-61 1.35e-68 22370000 7.35
0.99 1.943e-90 4.925e-95 39460 4.596

"quantile"	"value"
"min"	"-33.2081"
"0.01"	"-31.1014"
"0.05"	"-28.1191"
"0.5"	"-19.4054"
"0.95"	"-12.0963"
"0.99"	"-9.8173"
"max"	"-8.1337"

Traccia I vs AMK

$[\Pr(D) = 0.1]$

LR vs. probability of



Empirical distributi

