

**Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I**

Data for case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I 2013/10/29 18:37

MIXTURE ANALYSIS for scenario: 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I

Matching LR summary for case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I

VWA	LR = 17.6	(Cauc; 1, 2 unknowns)
D16S539	LR = 0	(Cauc; 1, 2 unknowns)
D2S1338	LR = 24.9	(Cauc; 1, 2 unknowns)
D8S1179	LR = 0	(Cauc; 1, 2 unknowns)
D21S11	LR = 5.34	(Cauc; 1, 2 unknowns)
D18S51	LR = 0	(Cauc; 1, 2 unknowns)
D19S433	LR = 53	(Cauc; 1, 2 unknowns)
TH01	LR = 9.61	(Cauc; 1, 2 unknowns)
FGA	LR = 40.3	(Cauc; 1, 2 unknowns)
D3S1358	LR = 6.71	(Cauc; 1, 2 unknowns)

**Cumulative LR = 0 (Residual LR = 322e6)**

Analysis for VWA STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = 1 / rr = 17.56

Stain	17
expl	Suspect
freq	r=0.239
S	17

\*\*\* VWA STR allele probabilities from 418 observations CarabinieriRoma Caucasian

Analysis for D16S539 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = 0 / 1 = 0

Stain	11	
expl	Suspect	Exclusion
freq	p=0.308	q=0.064
S	11	10

\*\*\* D16S539 STR allele probabilities from 418 observations CarabinieriRoma Caucasian

Analysis for D2S1338 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = (pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 24.92

Stain	18	20
expl	Suspect	Suspect
freq	p=0.076	q=0.148
S	18	20

\*\*\* D2S1338 STR allele probabilities from 418 observations CarabinieriRoma Caucasian

Analysis for D8S1179 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = 0 / (2pp+3pq+2qq) = 0

Stain	10	11
-------	----	----

expl	Unknown person	Unknown person	Exclusion
freq	p=0.086	q=0.048	r=0.117
S			12

\*\*\* D8S1179 STR allele probabilities from 418 observations  
CarabinieriRoma Caucasian

Analysis for D21S11 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.  
LR = (pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 5.34

Stain	29	30
expl	Suspect	Suspect
freq	p=0.205	q=0.26
S	29	30

\*\*\* D21S11 STR allele probabilities from 418 observations CarabinieriRoma  
Caucasian

Analysis for D18S51 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.

LR = 0 / 1 = 0

Stain	13	
expl	Suspect	Exclusion
freq	p=0.143	q=0.103
S	13	17

\*\*\* D18S51 STR allele probabilities from 418 observations CarabinieriRoma  
Caucasian

Analysis for D19S433 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.

LR = (pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 52.99

Stain	13	16.2
expl	Suspect	Suspect
freq	p=0.255	q=0.019
S	13	16.2

\*\*\* D19S433 STR allele probabilities from 418 observations  
CarabinieriRoma Caucasian

Analysis for TH01 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.

LR = (pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 9.608

Stain	6	8
expl	Suspect	Suspect
freq	p=0.224	q=0.131
S	6	8

\*\*\* TH01 STR allele probabilities from 418 observations CarabinieriRoma  
Caucasian

Analysis for FGA STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.

LR = 1 / pp = 40.3

Stain	22
expl	Suspect
freq	p=0.158
S	22

\*\*\* FGA STR allele probabilities from 418 observations CarabinieriRoma  
Caucasian

Analysis for D3S1358 STR, Case 2013-11\_AMK\_PROFILO CONSENSO TRACCIA I  
Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown  
person(s) contributed.

LR =  $(pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 6.71$

Stain	15	18
expl	Suspect	Suspect
freq	p=0.243	q=0.174
S	15	18

\*\*\* D3S1358 STR allele probabilities from 418 observations  
CarabinieriRoma Caucasian

No Data