

Case 2013-11_AMK_PROFILO COMPOSITO TRACCIA I

Data for case 2013-11_AMK_COMPOSITO PROFILO COMPOSITO TRACCIA I
2013/10/30 9:57

MIXTURE ANALYSIS for scenario: 2013-11_AMK_COMPOSITO PROFILO COMPOSITO TRACCIA I

Matching LR summary for 2013-11_AMK_COMPOSITO PROFILO COMPOSITO TRACCIA I

VWA	LR = 1.35 (Cauc; 1, 2 unknowns)
D16S539	LR = 13.6 (Cauc; 1, 2 unknowns)
D2S1338	LR = 24.9 (Cauc; 1, 2 unknowns)
D8S1179	LR = 5.69 (Cauc; 1, 2 unknowns)
D21S11	LR = 2.74 (Cauc; 1, 2 unknowns)
D18S51	LR = 8.95 (Cauc; 1, 2 unknowns)
D19S433	LR = 31.7 (Cauc; 1, 2 unknowns)
TH01	LR = 2.83 (Cauc; 1, 2 unknowns)
FGA	LR = 18.7 (Cauc; 1, 2 unknowns)
D3S1358	LR = 1.96 (Cauc; 1, 2 unknowns)

Cumulative LR = 211e6

Analysis for VWA STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

$LR = 1 / (6pr+6qr+6rr) = 1.355$

Stain	12	16	17
expl	Unknown person	Unknown person	Suspect
freq	p=0.012	q=0.265	r=0.239
S			17

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

Analysis for D16S539 STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

$LR = (pp+2pq+qq) / (4pppq+6ppqq+4pqqq) = 13.57$

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

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

Analysis for D2S1338 STR, Case 201311

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 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = 1 / (6pr+6qr+6rr) = 5.687

Stain	10	11	12
expl	Unknown person	Unknown person	Suspect
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 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = (2p+2q+r) / (12ppq+12pqq+12pqr) = 2.745

Stain	29	30	28
expl	Suspect	Suspect	Unknown person
freq	p=0.205	q=0.26	r=0.148
S	29	30	

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

Analysis for D18S51 STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = (2p+2q+r) / (12ppq+12pqq+12pqr) = 8.952

Stain	13	17	14
expl	Suspect	Suspect	Unknown person
freq	p=0.143	q=0.103	r=0.179
S	13	17	

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

Analysis for D19S433 STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = (2p+2q+r) / (12ppq+12pqq+12pqr) = 31.65

Stain	13	16.2	16
expl	Suspect	Suspect	Unknown person
freq	p=0.255	q=0.019	r=0.048
S	13	16.2	

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

Analysis for TH01 STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = 1 / 12pq = 2.83

Stain	6	8	7	9
expl	Suspect	Suspect	Unknown person	Unknown person
freq	p=0.224	q=0.131	r=0.179	s=0.189
S	6	8		

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

Analysis for FGA STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown person(s) contributed.

LR = (2p+q) / (4ppp+6ppq+4pqq) = 18.68

Stain	22	17
expl	Suspect	Unknown person
freq	p=0.158	q=0.012

S 22
 *** FGA STR allele probabilities from 418 observations CarabinieriRoma
 Caucasian

Analysis for D3S1358 STR, Case 201311

Hp: Suspect plus 1 unknown person contributed --VERSUS-- Hd: 2 unknown
 person(s) contributed.

LR = 1 / 12pq = 1.965

Stain	15	18	14	17
expl	Suspect	Suspect	Unknown person	Unknown person
freq	p=0.243	q=0.174	r=0.081	s=0.234
S	15	18		

*** D3S1358 STR allele probabilities from 418 observations
 CarabinieriRoma Caucasian
 No Data