

Tab. S1. Detailed results of the biological model (consensus and composite): quantitative information regarding the degree of concordance and discordance between the genetic profiles of victims/suspects and traces.

	Genetic profiles										No (%) of matching alleles (Cons/Comp)	No (%) of divergent alleles (Cons/Comp)
	cx20	G10M	G10P	G10X	G1D	Mu11	Mu15	Mu23	Mu50	Mu59		
Global Consensus	118/118	111/117/119/123	151/171	133/139/143	102/106/116	78/88	136/142/146	120/122	84/98/102/104	101/103/111/123	-	-
Global Composite	118/134	111/117/119/123	151/171	133/139/143	102/106/116	78/88	136/142/146	120/122	84/98/102/104	101/103/111/123	-	-
Victim 1 (BJ1)	118/118	117/119	151/171	139/143	102/116	88/88	136/142	120/122	98/104	103/123	20/20 (1.00)	10/29 (0.35)
Victim 2 (M33)	118/118	117/123	171/171	133/139	102/106	78/88	136/146	120/122	98/98	111/123	20/20 (1.00)	11/29 (0.38)
Victim 3 (F22)	118/118	119/123	171/171	133/143	102/116	88/88	136/146	120/122	102/104	101/103	20/20 (1.00)	11/29 (0.38)
MJ4	118/120	117/123	151/171	133/143	102/106	78/88	136/146	118/120	98/102	101/111	18/20 (0.90)	10/29 (0.35)
MJ5	130/134	117/123	151/151	139/143	102/102	78/86	136/142	118/124	102/104	101/111	15/20 (0.75)	16/29 (0.55)
DG2	120/134	119/123	165/169	139/143	108/108	80/90	132/146	118/124	104/106	101/111	8/20 (0.40)	21/29 (0.72)
KJ2G2	134/134	111/123	165/171	139/143	102/108	78/86	142/146	118/120	98/106	103/123	9/20 (0.45)	20/29 (0.69)
MJ2G1	118/130	111/123	151/165	133/153	108/114	80/86	136/146	118/118	104/106	101/123	13/20 (0.65)	16/29 (0.55)
DJ1G1	130/130	123/123	165/171	139/143	102/108	78/78	142/146	118/124	84/104	101/123	10/20 (0.50)	18/29 (0.62)
M1	130/134	111/123	165/169	131/153	108/108	78/86	136/146	118/124	84/84	103/123	10/20 (0.50)	19/29 (0.66)
M3	130/134	117/123	151/167	139/143	102/102	86/88	138/142	120/124	84/98	101/101	9/20 (0.45)	17/29 (0.59)
M4	130/134	117/123	167/171	139/143	106/108	86/86	142/142	120/120	98/98	103/123	14/20 (0.70)	17/29 (0.59)
M7	120/134	111/119	151/165	139/143	102/108	78/88	142/146	118/124	84/104	113/123	15/20 (0.75)	18/29 (0.62)
M8	120/134	111/119	151/165	139/143	106/108	78/78	136/146	118/124	104/106	101/113	13/20 (0.65)	17/29 (0.59)
M9	120/130	119/123	165/171	143/153	108/108	78/80	132/146	118/124	104/106	113/123	8/20 (0.40)	21/29 (0.72)