

Supplementary Table 3- PCR products observed in the DNA mixture study

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 1:1	FCA 723	271.53	3845	283.44	3850	0	0	0	0
Cat:Human 1:1	FCA 723	271.67	2001	283.51	1951	0	0	0	0
Cat:Human 1:1	FCA 723	271.6	2811	283.47	2927	0	0	0	0
Cat:Human 1:1	FCA 723	271.67	2864	283.48	2768	0	0	0	0
Cat:Human 1:1	FCA 733	194.48	3329	198.37	2975	0	0	0	0
Cat:Human 1:1	FCA 733	194.47	1703	198.37	1416	0	0	0	0
Cat:Human 1:1	FCA 733	194.47	2213	198.37	2549	0	0	0	0
Cat:Human 1:1	FCA 733	194.54	2559	198.37	2062	0	0	0	0
Cat:Human 1:1	FCA 742	145.89	2248	150.42	2324	0	0	0	0
Cat:Human 1:1	FCA 742	145.89	867	150.34	874	0	0	0	0
Cat:Human 1:1	FCA 742	145.87	1109	150.42	1231	0	0	0	0
Cat:Human 1:1	FCA 742	145.9	1712	150.42	1719	0	0	0	0
Cat:Human 1:1	FCA 749	344.65	518	360.3	546	0	0	0	0
Cat:Human 1:1	FCA 749	344.63	321	360.33	248	0	0	0	0
Cat:Human 1:1	FCA 749	344.7	510	360.44	415	0	0	0	0
Cat:Human 1:1	FCA 749	344.57	506	360.29	488	0	0	0	0
Cat:Human 1:1	FCA 740	312.46	2606	320.57	2936	0	0	0	0
Cat:Human 1:1	FCA 740	312.39	1245	320.69	1130	0	0	0	0
Cat:Human 1:1	FCA 740	312.43	1874	320.68	1789	0	0	0	0
Cat:Human 1:1	FCA 740	312.43	2238	320.71	2118	0	0	0	0
Cat:Human 1:1	FCA 736	164.14	885	180.25	801	0	0	0	0
Cat:Human 1:1	FCA 736	164.14	504	180.2	434	0	0	0	0
Cat:Human 1:1	FCA 736	164.14	630	180.2	521	0	0	0	0
Cat:Human 1:1	FCA 736	164.12	739	180.21	593	0	0	0	0
Cat:Human 1:1	F124	271.27	5706	275.23	5208	0	0	0	0
Cat:Human 1:1	F124	271.51	3072	275.38	2518	0	0	0	0
Cat:Human 1:1	F124	271.43	3983	275.32	2889	0	0	0	0
Cat:Human 1:1	F124	271.5	5100	275.37	4291	0	0	0	0
Cat:Human 1:1	F53	135.53	1056	140.53	887	0	0	0	0
Cat:Human 1:1	F53	136.16	523	141.21	376	0	0	0	0
Cat:Human 1:1	F53	136.15	756	141.14	674	0	0	0	0
Cat:Human 1:1	F53	135.46	863	140.53	812	0	0	0	0
Cat:Human 1:1	F85	246.93	4936	269.09	3114	0	0	0	0
Cat:Human 1:1	F85	246.89	2040	269.07	1636	0	0	0	0
Cat:Human 1:1	F85	246.86	3151	269.07	2388	0	0	0	0
Cat:Human 1:1	F85	247.03	4153	269.15	3072	0	0	0	0
Cat:Human 1:1	FCA441	116.87	1242	120.76	1357	0	0	0	0
Cat:Human 1:1	FCA441	116.91	712	120.8	728	0	0	0	0
Cat:Human 1:1	FCA441	116.84	861	120.74	931	0	0	0	0
Cat:Human 1:1	FCA441	116.95	1113	120.83	944	0	0	0	0
Cat:Human 1:1	FCA 731	345.09	2595	368.94	2692	0	0	0	0
Cat:Human 1:1	FCA 731	345.07	1333	368.91	1452	0	0	0	0
Cat:Human 1:1	FCA 731	345.15	1939	368.95	2016	0	0	0	0
Cat:Human 1:1	FCA 731	345.18	2291	368.92	2131	0	0	0	0
Cat:Human 1:1	SRY	96.89	6296	0	0	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 1:1	SRY	96.96	3513	0	0	0	0	0	0
Cat:Human 1:1	SRY	96.95	4051	0	0	0	0	0	0
Cat:Human 1:1	SRY	96.96	4986	0	0	0	0	0	0
Cat:Human 1:10	FCA 723	271.5	1156	283.36	746	0	0	0	0
Cat:Human 1:10	FCA 723	271.43	600	283.32	720	0	0	0	0
Cat:Human 1:10	FCA 733	194.49	814	198.35	964	0	0	0	0
Cat:Human 1:10	FCA 733	194.39	741	198.27	452	0	0	0	0
Cat:Human 1:10	FCA 742	145.86	327	150.34	717	0	0	0	0
Cat:Human 1:10	FCA 742	145.86	665	150.34	517	0	0	0	0
Cat:Human 1:10	FCA 749	344.4	200	360.36	173	0	0	0	0
Cat:Human 1:10	FCA 749	345.14	134	359.99	137	0	0	0	0
Cat:Human 1:10	FCA 740	312.34	729	320.56	813	0	0	0	0
Cat:Human 1:10	FCA 740	313.11	633	321.63	777	0	0	0	0
Cat:Human 1:10	FCA 736	164.1	147	180.24	129	0	0	0	0
Cat:Human 1:10	FCA 736	164.1	158	180.11	151	0	0	0	0
Cat:Human 1:10	F124	271.41	1100	275.33	1155	0	0	0	0
Cat:Human 1:10	F124	271.17	1392	275.12	1169	0	0	0	0
Cat:Human 1:10	F53	135.5	237	140.54	267	0	0	0	0
Cat:Human 1:10	F53	135.49	223	140.63	228	0	0	0	0
Cat:Human 1:10	F85	246.91	1204	269.03	823	0	0	0	0
Cat:Human 1:10	F85	246.54	1029	268.78	710	0	0	0	0
Cat:Human 1:10	FCA441	0	0	0	0	0	0	0	0
Cat:Human 1:10	FCA441	116.78	220	120.72	210	0	0	0	0
Cat:Human 1:10	FCA 731	345.02	927	368.94	815	0	0	0	0
Cat:Human 1:10	FCA 731	345.54	1042	368.38	674	0	0	0	0
Cat:Human 1:10	SRY	96.93	1277	0	0	0	0	0	0
Cat:Human 1:10	SRY	96.82	1069	0	0	0	0	0	0
Cat:Human 1:20	FCA 723	271.5	620	283.31	407	0	0	0	0
Cat:Human 1:20	FCA 723	271.75	395	283.43	434	0	0	0	0
Cat:Human 1:20	FCA 733	194.39	392	198.27	424	0	0	0	0
Cat:Human 1:20	FCA 733	194.38	319	198.34	337	0	0	0	0
Cat:Human 1:20	FCA 742	145.86	276	150.25	395	0	0	0	0
Cat:Human 1:20	FCA 742	145.83	188	150.25	372	0	0	0	0
Cat:Human 1:20	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:20	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:20	FCA 740	312.29	285	320.54	394	0	0	0	0
Cat:Human 1:20	FCA 740	312.4	369	320.57	347	0	0	0	0
Cat:Human 1:20	FCA 736	164.02	162	180.11	76	0	0	0	0
Cat:Human 1:20	FCA 736	164.11	85	180.06	79	0	0	0	0
Cat:Human 1:20	F124	271.41	724	275.25	742	0	0	0	0
Cat:Human 1:20	F124	271.49	477	275.34	741	0	0	0	0
Cat:Human 1:20	F53	0	0	0	0	0	0	0	0
Cat:Human 1:20	F53	0	0	0	0	0	0	0	0
Cat:Human 1:20	F85	246.85	552	268.95	577	0	0	0	0
Cat:Human 1:20	F85	246.84	683	269.01	581	0	0	0	0
Cat:Human 1:20	FCA441	116.86	145	120.72	167	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 1:20	FCA441	116.84	96	120.7	126	0	0	0	0
Cat:Human 1:20	FCA 731	345.09	494	368.92	756	0	0	0	0
Cat:Human 1:20	FCA 731	345.08	550	368.89	582	0	0	0	0
Cat:Human 1:20	SRY	96.92	701	0	0	0	0	0	0
Cat:Human 1:20	SRY	96.92	438	0	0	0	0	0	0
Cat:Human 1:3	FCA 723	271.55	6740	283.47	4812	0	0	0	0
Cat:Human 1:3	FCA 723	271.57	6383	283.52	4671	0	0	0	0
Cat:Human 1:3	FCA 733	194.5	6099	198.35	5290	0	0	0	0
Cat:Human 1:3	FCA 733	194.47	4893	198.34	4865	0	0	0	0
Cat:Human 1:3	FCA 742	145.87	3362	150.42	3064	0	0	0	0
Cat:Human 1:3	FCA 742	145.87	2233	150.34	2596	0	0	0	0
Cat:Human 1:3	FCA 749	344.59	1109	360.41	969	0	0	0	0
Cat:Human 1:3	FCA 749	344.57	1062	360.37	965	0	0	0	0
Cat:Human 1:3	FCA 740	312.41	3921	320.61	3973	0	0	0	0
Cat:Human 1:3	FCA 740	312.45	3566	320.68	3525	0	0	0	0
Cat:Human 1:3	FCA 736	164.16	1280	180.14	1046	0	0	0	0
Cat:Human 1:3	FCA 736	164.09	1229	180.12	1080	0	0	0	0
Cat:Human 1:3	F124	271.04	5570	275.37	7394	0	0	0	0
Cat:Human 1:3	F124	271.14	5526	275.31	5721	0	0	0	0
Cat:Human 1:3	F53	135.43	1935	140.54	1761	0	0	0	0
Cat:Human 1:3	F53	135.5	1667	140.54	1343	0	0	0	0
Cat:Human 1:3	F85	246.94	6186	269.09	3804	0	0	0	0
Cat:Human 1:3	F85	246.89	4410	269.02	3087	0	0	0	0
Cat:Human 1:3	FCA441	116.86	2033	120.77	1669	0	0	0	0
Cat:Human 1:3	FCA441	116.85	1854	120.78	1584	0	0	0	0
Cat:Human 1:3	FCA 731	345.12	3832	368.97	3492	0	0	0	0
Cat:Human 1:3	FCA 731	345.1	3483	368.97	2996	0	0	0	0
Cat:Human 1:3	SRY	96.94	7823	0	0	0	0	0	0
Cat:Human 1:3	SRY	96.93	7572	0	0	0	0	0	0
Cat:Human 1:30	FCA 723	271.72	284	283.42	307	0	0	0	0
Cat:Human 1:30	FCA 723	271.59	127	283.39	314	0	0	0	0
Cat:Human 1:30	FCA 733	194.4	252	198.24	321	0	0	0	0
Cat:Human 1:30	FCA 733	194.43	117	198.15	146	0	0	0	0
Cat:Human 1:30	FCA 742	145.88	268	150.26	254	0	0	0	0
Cat:Human 1:30	FCA 742	145.95	147	150.17	181	0	0	0	0
Cat:Human 1:30	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:30	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:30	FCA 740	312.42	124	320.54	442	0	0	0	0
Cat:Human 1:30	FCA 740	312.28	279	320.52	237	0	0	0	0
Cat:Human 1:30	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 1:30	FCA 736	164	101	180.02	63	0	0	0	0
Cat:Human 1:30	F124	271.38	511	275.38	429	0	0	0	0
Cat:Human 1:30	F124	271.42	382	275.34	397	0	0	0	0
Cat:Human 1:30	F53	0	0	0	0	0	0	0	0
Cat:Human 1:30	F53	0	0	0	0	0	0	0	0
Cat:Human 1:30	F85	246.86	707	269.03	404	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 1:30	F85	246.77	420	268.98	503	0	0	0	0
Cat:Human 1:30	FCA441	116.78	117	120.69	141	0	0	0	0
Cat:Human 1:30	FCA441	0	0	0	0	0	0	0	0
Cat:Human 1:30	FCA 731	368.9	627	0	0	0	0	0	0
Cat:Human 1:30	FCA 731	344.98	437	368.84	274	0	0	0	0
Cat:Human 1:30	SRY	96.88	500	0	0	0	0	0	0
Cat:Human 1:30	SRY	96.95	447	0	0	0	0	0	0
Cat:Human 1:40	FCA 723	271.33	328	283.15	446	0	0	0	0
Cat:Human 1:40	FCA 723	271.74	149	283.61	175	0	0	0	0
Cat:Human 1:40	FCA 733	194.44	299	198.36	305	0	0	0	0
Cat:Human 1:40	FCA 733	194.47	205	198.34	177	0	0	0	0
Cat:Human 1:40	FCA 742	145.89	230	150.25	395	0	0	0	0
Cat:Human 1:40	FCA 742	145.92	184	150.17	133	0	0	0	0
Cat:Human 1:40	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:40	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:40	FCA 740	313.06	412	321.63	305	0	0	0	0
Cat:Human 1:40	FCA 740	312.32	184	320.61	258	0	0	0	0
Cat:Human 1:40	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 1:40	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 1:40	F124	271.07	540	275	849	0	0	0	0
Cat:Human 1:40	F124	271.48	359	275.4	506	0	0	0	0
Cat:Human 1:40	F53	0	0	0	0	0	0	0	0
Cat:Human 1:40	F53	0	0	0	0	0	0	0	0
Cat:Human 1:40	F85	246.58	766	268.77	197	0	0	0	0
Cat:Human 1:40	F85	246.88	375	269.11	182	0	0	0	0
Cat:Human 1:40	FCA441	116.92	88	120.76	99	0	0	0	0
Cat:Human 1:40	FCA441	116.75	51	120.75	128	0	0	0	0
Cat:Human 1:40	FCA 731	345.57	355	368.4	195	0	0	0	0
Cat:Human 1:40	FCA 731	345.03	164	368.84	147	0	0	0	0
Cat:Human 1:40	SRY	96.91	573	0	0	0	0	0	0
Cat:Human 1:40	SRY	96.93	383	0	0	0	0	0	0
Cat:Human 1:5	FCA 723	271.67	2652	283.48	2443	0	0	0	0
Cat:Human 1:5	FCA 723	271.61	2615	283.45	2508	0	0	0	0
Cat:Human 1:5	FCA 733	194.39	2610	198.26	2044	0	0	0	0
Cat:Human 1:5	FCA 733	194.46	2339	198.34	2044	0	0	0	0
Cat:Human 1:5	FCA 742	145.87	1639	150.34	2071	0	0	0	0
Cat:Human 1:5	FCA 742	145.86	1772	150.34	1656	0	0	0	0
Cat:Human 1:5	FCA 749	344.48	663	360.22	631	0	0	0	0
Cat:Human 1:5	FCA 749	344.63	536	360.34	463	0	0	0	0
Cat:Human 1:5	FCA 740	312.45	2756	320.59	1999	0	0	0	0
Cat:Human 1:5	FCA 740	312.43	1882	320.61	2164	0	0	0	0
Cat:Human 1:5	FCA 736	164.01	474	180.04	605	0	0	0	0
Cat:Human 1:5	FCA 736	164.03	401	180.06	471	0	0	0	0
Cat:Human 1:5	F124	271.41	4691	275.34	3478	0	0	0	0
Cat:Human 1:5	F124	271.44	3934	275.29	3533	0	0	0	0
Cat:Human 1:5	F53	135.49	887	140.54	900	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 1:5	F53	135.49	606	140.54	823	0	0	0	0
Cat:Human 1:5	F85	246.93	3150	269.03	2976	0	0	0	0
Cat:Human 1:5	F85	246.91	3855	268.97	2831	0	0	0	0
Cat:Human 1:5	FCA441	116.81	985	120.74	726	0	0	0	0
Cat:Human 1:5	FCA441	116.86	610	120.72	684	0	0	0	0
Cat:Human 1:5	FCA 731	345.1	2566	368.92	2655	0	0	0	0
Cat:Human 1:5	FCA 731	345.07	2111	368.89	2495	0	0	0	0
Cat:Human 1:5	SRY	96.86	3825	0	0	0	0	0	0
Cat:Human 1:5	SRY	96.85	3290	0	0	0	0	0	0
Cat:Human 1:50	FCA 723	271.6	200	283.35	210	0	0	0	0
Cat:Human 1:50	FCA 723	271.56	228	283.44	146	0	0	0	0
Cat:Human 1:50	FCA 733	194.46	135	198.46	151	0	0	0	0
Cat:Human 1:50	FCA 733	194.52	174	198.31	98	0	0	0	0
Cat:Human 1:50	FCA 742	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 742	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 740	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 740	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 1:50	F124	271.44	382	275.34	249	0	0	0	0
Cat:Human 1:50	F124	271.39	367	275.32	444	0	0	0	0
Cat:Human 1:50	F53	0	0	0	0	0	0	0	0
Cat:Human 1:50	F53	0	0	0	0	0	0	0	0
Cat:Human 1:50	F85	246.93	374	269.2	390	0	0	0	0
Cat:Human 1:50	F85	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA441	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA441	0	0	0	0	0	0	0	0
Cat:Human 1:50	FCA 731	345.07	178	368.94	262	0	0	0	0
Cat:Human 1:50	FCA 731	345.06	347	369.02	297	0	0	0	0
Cat:Human 1:50	SRY	96.91	302	0	0	0	0	0	0
Cat:Human 1:50	SRY	96.98	311	0	0	0	0	0	0
Cat:Human 10:1	FCA 723	271.53	7178	283.42	6879	0	0	0	0
Cat:Human 10:1	FCA 723	271.47	7277	283.31	7285	0	0	0	0
Cat:Human 10:1	FCA 733	194.33	7743	198.27	6266	0	0	0	0
Cat:Human 10:1	FCA 733	194.32	7736	198.34	7543	0	0	0	0
Cat:Human 10:1	FCA 742	145.86	4758	150.34	4490	0	0	0	0
Cat:Human 10:1	FCA 742	145.87	4777	150.34	4574	0	0	0	0
Cat:Human 10:1	FCA 749	344.48	1490	360.39	1417	0	0	0	0
Cat:Human 10:1	FCA 749	344.5	1717	360.27	1527	0	0	0	0
Cat:Human 10:1	FCA 740	312.34	5611	320.55	5322	0	0	0	0
Cat:Human 10:1	FCA 740	312.32	5801	320.51	5157	0	0	0	0
Cat:Human 10:1	FCA 736	164.1	1964	180.15	1635	0	0	0	0
Cat:Human 10:1	FCA 736	164.09	1947	180.12	1404	0	0	0	0
Cat:Human 10:1	F124	270.94	5502	275.54	7886	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 10:1	F124	270.88	5610	274.95	7838	0	0	0	0
Cat:Human 10:1	F53	135.5	2490	140.54	2493	0	0	0	0
Cat:Human 10:1	F53	135.49	2865	140.54	2742	0	0	0	0
Cat:Human 10:1	F85	246.82	6541	268.98	6022	0	0	0	0
Cat:Human 10:1	F85	246.84	6964	269.01	4855	0	0	0	0
Cat:Human 10:1	FCA441	116.9	2761	120.75	2511	0	0	0	0
Cat:Human 10:1	FCA441	116.81	2790	120.74	2533	0	0	0	0
Cat:Human 10:1	FCA 731	345.02	4730	368.92	4544	0	0	0	0
Cat:Human 10:1	FCA 731	345.03	5226	368.84	5081	0	0	0	0
Cat:Human 10:1	SRY	97.23	7756	0	0	0	0	0	0
Cat:Human 10:1	SRY	96.71	7457	0	0	0	0	0	0
Cat:Human 20:1	FCA 723	271.55	7108	283.38	6363	0	0	0	0
Cat:Human 20:1	FCA 723	271.44	6410	283.41	4486	0	0	0	0
Cat:Human 20:1	FCA 733	194.44	7701	198.33	6501	0	0	0	0
Cat:Human 20:1	FCA 733	194.41	4854	198.27	4777	0	0	0	0
Cat:Human 20:1	FCA 742	145.84	5056	150.42	4128	0	0	0	0
Cat:Human 20:1	FCA 742	145.86	3179	150.34	3098	0	0	0	0
Cat:Human 20:1	FCA 749	344.56	1461	360.32	1597	0	0	0	0
Cat:Human 20:1	FCA 749	344.56	950	360.39	962	0	0	0	0
Cat:Human 20:1	FCA 740	312.29	5420	320.54	5584	0	0	0	0
Cat:Human 20:1	FCA 740	312.36	3543	320.59	3526	0	0	0	0
Cat:Human 20:1	FCA 736	164.02	1646	180.03	1472	0	0	0	0
Cat:Human 20:1	FCA 736	164.1	1147	180.15	1051	0	0	0	0
Cat:Human 20:1	F124	270.95	6018	275.57	7764	0	0	0	0
Cat:Human 20:1	F124	271.1	6259	275.27	7084	0	0	0	0
Cat:Human 20:1	F53	135.48	2539	140.56	2371	0	0	0	0
Cat:Human 20:1	F53	135.5	1514	140.54	1641	0	0	0	0
Cat:Human 20:1	F85	246.86	7022	268.99	4890	0	0	0	0
Cat:Human 20:1	F85	246.81	4493	268.97	3528	0	0	0	0
Cat:Human 20:1	FCA441	116.84	2439	120.7	2181	0	0	0	0
Cat:Human 20:1	FCA441	116.82	1677	120.75	1551	0	0	0	0
Cat:Human 20:1	FCA 731	345	4978	368.86	4319	0	0	0	0
Cat:Human 20:1	FCA 731	345.01	3404	368.92	3021	0	0	0	0
Cat:Human 20:1	SRY	97.14	7755	0	0	0	0	0	0
Cat:Human 20:1	SRY	96.93	7878	0	0	0	0	0	0
Cat:Human 3:1	FCA 723	271.76	1955	283.53	1713	0	0	0	0
Cat:Human 3:1	FCA 723	271.59	6663	283.5	5106	0	0	0	0
Cat:Human 3:1	FCA 733	194.44	1659	198.36	1597	0	0	0	0
Cat:Human 3:1	FCA 733	194.44	4953	198.36	4616	0	0	0	0
Cat:Human 3:1	FCA 742	146.55	867	151.01	926	0	0	0	0
Cat:Human 3:1	FCA 742	145.87	2584	150.34	2645	0	0	0	0
Cat:Human 3:1	FCA 749	344.67	261	360.43	252	0	0	0	0
Cat:Human 3:1	FCA 749	344.51	1021	360.33	718	0	0	0	0
Cat:Human 3:1	FCA 740	312.4	1219	320.6	966	0	0	0	0
Cat:Human 3:1	FCA 740	312.45	3678	320.62	3398	0	0	0	0
Cat:Human 3:1	FCA 736	164.09	417	180.17	355	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 3:1	FCA 736	164.07	1094	180.18	1033	0	0	0	0
Cat:Human 3:1	F124	271.59	2775	275.5	2159	0	0	0	0
Cat:Human 3:1	F124	271.08	5399	275.32	6349	0	0	0	0
Cat:Human 3:1	F53	136.14	536	141.14	586	0	0	0	0
Cat:Human 3:1	F53	135.43	1469	140.54	1662	0	0	0	0
Cat:Human 3:1	F85	246.93	1705	269.04	1303	0	0	0	0
Cat:Human 3:1	F85	246.99	5107	269.13	4061	0	0	0	0
Cat:Human 3:1	FCA441	116.81	747	120.72	624	0	0	0	0
Cat:Human 3:1	FCA441	116.85	1773	120.76	1495	0	0	0	0
Cat:Human 3:1	FCA 731	345.12	1417	368.93	1144	0	0	0	0
Cat:Human 3:1	FCA 731	345.04	3375	368.89	3629	0	0	0	0
Cat:Human 3:1	SRY	96.87	2649	0	0	0	0	0	0
Cat:Human 3:1	SRY	96.94	7761	0	0	0	0	0	0
Cat:Human 30:1	FCA 723	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 723	271.51	6737	283.36	5305	0	0	0	0
Cat:Human 30:1	FCA 733	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 733	194.4	6498	198.32	5720	0	0	0	0
Cat:Human 30:1	FCA 742	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 742	145.8	4022	150.34	4285	0	0	0	0
Cat:Human 30:1	FCA 749	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 749	344.54	1271	360.34	1210	0	0	0	0
Cat:Human 30:1	FCA 740	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 740	312.33	4890	320.54	4625	0	0	0	0
Cat:Human 30:1	FCA 736	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 736	164.08	1474	180.15	1328	0	0	0	0
Cat:Human 30:1	F124	0	0	0	0	0	0	0	0
Cat:Human 30:1	F124	270.99	5945	275.42	7908	0	0	0	0
Cat:Human 30:1	F53	0	0	0	0	0	0	0	0
Cat:Human 30:1	F53	135.52	2247	140.56	2055	0	0	0	0
Cat:Human 30:1	F85	0	0	0	0	0	0	0	0
Cat:Human 30:1	F85	246.86	5807	269	4330	0	0	0	0
Cat:Human 30:1	FCA441	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA441	116.82	2260	120.73	1871	0	0	0	0
Cat:Human 30:1	FCA 731	0	0	0	0	0	0	0	0
Cat:Human 30:1	FCA 731	345	3955	368.86	3710	0	0	0	0
Cat:Human 30:1	SRY	0	0	0	0	0	0	0	0
Cat:Human 30:1	SRY	96.81	7878	0	0	0	0	0	0
Cat:Human 40:1	FCA 723	271.29	5620	283.22	4278	0	0	0	0
Cat:Human 40:1	FCA 723	271.34	4425	283.33	3952	0	0	0	0
Cat:Human 40:1	FCA 733	194.42	4859	198.35	4390	0	0	0	0
Cat:Human 40:1	FCA 733	194.42	4371	198.35	3615	0	0	0	0
Cat:Human 40:1	FCA 742	145.81	2766	150.34	2920	0	0	0	0
Cat:Human 40:1	FCA 742	145.95	2166	150.42	2202	0	0	0	0
Cat:Human 40:1	FCA 749	345.14	980	360.11	841	0	0	0	0
Cat:Human 40:1	FCA 749	345.17	826	360.07	749	0	0	0	0
Cat:Human 40:1	FCA 740	313.13	3433	321.6	3283	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 40:1	FCA 740	313.21	2647	321.67	2382	0	0	0	0
Cat:Human 40:1	FCA 736	164.09	1037	180.2	1011	0	0	0	0
Cat:Human 40:1	FCA 736	164.08	964	180.06	888	0	0	0	0
Cat:Human 40:1	F124	270.95	5920	275.05	6413	0	0	0	0
Cat:Human 40:1	F124	271	5786	275.18	5434	0	0	0	0
Cat:Human 40:1	F53	135.51	1373	140.53	1331	0	0	0	0
Cat:Human 40:1	F53	135.43	1291	140.54	1135	0	0	0	0
Cat:Human 40:1	F85	246.59	4313	268.82	3174	0	0	0	0
Cat:Human 40:1	F85	246.6	3407	268.79	2400	0	0	0	0
Cat:Human 40:1	FCA441	116.88	1689	120.81	1378	0	0	0	0
Cat:Human 40:1	FCA441	116.89	1563	120.73	1369	0	0	0	0
Cat:Human 40:1	FCA 731	345.54	2752	368.45	2871	0	0	0	0
Cat:Human 40:1	FCA 731	345.57	2430	368.39	2520	0	0	0	0
Cat:Human 40:1	SRY	96.83	7057	0	0	0	0	0	0
Cat:Human 40:1	SRY	96.83	5922	0	0	0	0	0	0
Cat:Human 5:1	FCA 723	271.56	6906	283.47	5240	0	0	0	0
Cat:Human 5:1	FCA 723	271.62	7322	283.24	7761	0	0	0	0
Cat:Human 5:1	FCA 733	194.47	6428	198.34	5734	0	0	0	0
Cat:Human 5:1	FCA 733	194.19	7694	198.12	7775	0	0	0	0
Cat:Human 5:1	FCA 742	145.86	3300	150.34	3225	0	0	0	0
Cat:Human 5:1	FCA 742	145.78	7336	150.34	7199	0	0	0	0
Cat:Human 5:1	FCA 749	344.55	1165	360.34	1074	0	0	0	0
Cat:Human 5:1	FCA 749	344.56	1946	360.3	1670	0	0	0	0
Cat:Human 5:1	FCA 740	312.38	4629	320.62	3976	0	0	0	0
Cat:Human 5:1	FCA 740	312.27	7906	320.59	7447	0	0	0	0
Cat:Human 5:1	FCA 736	164.1	2014	180.11	1673	0	0	0	0
Cat:Human 5:1	FCA 736	164.09	3322	180.12	2732	0	0	0	0
Cat:Human 5:1	F124	271.05	5978	275.32	7797	0	0	0	0
Cat:Human 5:1	F124	270.85	5652	275.71	7632	0	0	0	0
Cat:Human 5:1	F53	135.5	2022	140.54	1841	0	0	0	0
Cat:Human 5:1	F53	135.42	3508	140.54	2827	0	0	0	0
Cat:Human 5:1	F85	246.89	4456	269	3369	0	0	0	0
Cat:Human 5:1	F85	246.75	7826	268.98	5630	0	0	0	0
Cat:Human 5:1	FCA441	116.9	2804	120.75	2481	0	0	0	0
Cat:Human 5:1	FCA441	116.85	4294	120.7	3533	0	0	0	0
Cat:Human 5:1	FCA 731	345	3181	368.89	2878	0	0	0	0
Cat:Human 5:1	FCA 731	345.01	4980	364.99	577	368.91	4233	0	0
Cat:Human 5:1	SRY	96.7	7798	0	0	0	0	0	0
Cat:Human 5:1	SRY	97.31	7479	0	0	0	0	0	0
Cat:Human 50:1	FCA 723	271.52	6234	283.38	4335	0	0	0	0
Cat:Human 50:1	FCA 723	271.53	6643	283.35	5485	0	0	0	0
Cat:Human 50:1	FCA 733	194.53	4973	198.46	4528	0	0	0	0
Cat:Human 50:1	FCA 733	194.55	6247	198.39	6392	0	0	0	0
Cat:Human 50:1	FCA 742	145.84	3055	150.42	3187	0	0	0	0
Cat:Human 50:1	FCA 742	145.87	4328	150.33	3917	0	0	0	0
Cat:Human 50:1	FCA 749	344.62	1084	360.36	879	0	0	0	0

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Cat:Human 50:1	FCA 749	344.56	1275	360.33	1235	0	0	0	0
Cat:Human 50:1	FCA 740	312.48	3505	320.67	2993	0	0	0	0
Cat:Human 50:1	FCA 740	312.43	4614	320.68	4039	0	0	0	0
Cat:Human 50:1	FCA 736	164.18	1161	180.25	1095	0	0	0	0
Cat:Human 50:1	FCA 736	164.17	1614	180.26	1499	0	0	0	0
Cat:Human 50:1	F124	271.11	6145	275.27	7115	0	0	0	0
Cat:Human 50:1	F124	270.95	5554	275.52	7833	0	0	0	0
Cat:Human 50:1	F53	135.41	1992	140.43	1654	0	0	0	0
Cat:Human 50:1	F53	135.5	2240	140.5	2373	0	0	0	0
Cat:Human 50:1	F85	247.03	4778	269.2	3389	0	0	0	0
Cat:Human 50:1	F85	246.96	5528	269.13	4445	0	0	0	0
Cat:Human 50:1	FCA441	116.93	1712	120.79	1581	0	0	0	0
Cat:Human 50:1	FCA441	116.99	2463	120.84	2340	0	0	0	0
Cat:Human 50:1	FCA 731	345.14	2971	368.91	2755	0	0	0	0
Cat:Human 50:1	FCA 731	345.16	3791	368.93	3875	0	0	0	0
Cat:Human 50:1	SRY	96.9	7430	0	0	0	0	0	0
Cat:Human 50:1	SRY	96.76	7752	0	0	0	0	0	0
Fca215:Fca123 1:1	FCA 723	271.2	5278	283.22	4214	250.83	5147	254.73	
Fca215:Fca123 1:1	FCA 723	271.25	6829	283.2	5323	250.85	6539	254.76	
Fca215:Fca123 1:1	FCA 733	194.44	5439	198.33	4521	190.22	7820	0	
Fca215:Fca123 1:1	FCA 733	194.49	5696	198.33	5569	190.17	7651	0	
Fca215:Fca123 1:1	FCA 742	145.92	2663	150.42	2528	154.78	2445	159.01	
Fca215:Fca123 1:1	FCA 742	145.89	4222	150.42	4058	154.79	3928	159.01	
Fca215:Fca123 1:1	FCA 749	345.14	770	360.03	706	356.18	2689	0	
Fca215:Fca123 1:1	FCA 749	345.06	923	359.98	794	356.12	3094	0	
Fca215:Fca123 1:1	FCA 740	313.09	2847	321.63	2491	329.03	4644	0	
Fca215:Fca123 1:1	FCA 740	313.13	4388	321.59	4236	329.01	6754	0	
Fca215:Fca123 1:1	FCA 736	164.11	1430	180.16	3693	0	0	0	
Fca215:Fca123 1:1	FCA 736	164.04	1445	180.15	3826	0	0	0	
Fca215:Fca123 1:1	F124	270.86	5538	275.02	6270	285.15	7584	0	
Fca215:Fca123 1:1	F124	270.82	5223	275.16	7495	285.22	7515	0	
Fca215:Fca123 1:1	F53	135.47	1403	140.56	1489	149.13	4344	0	
Fca215:Fca123 1:1	F53	135.47	1819	140.48	1733	149.13	4916	0	
Fca215:Fca123 1:1	F85	246.6	3116	268.78	2217	183.6	5276	250.49	
Fca215:Fca123 1:1	F85	246.61	5261	268.83	3470	183.44	7508	250.51	
Fca215:Fca123 1:1	FCA441	116.86	1772	120.89	3279	124.96	1938	0	
Fca215:Fca123 1:1	FCA441	116.84	2153	120.79	3921	124.86	2133	0	
Fca215:Fca123 1:1	FCA 731	345.63	2289	368.44	4503	364.61	2919	0	
Fca215:Fca123 1:1	FCA 731	345.54	2737	368.43	5746	364.58	3703	0	
Fca215:Fca123 1:1	SRY	96.98	7627	0	0	0	0	0	
Fca215:Fca123 1:1	SRY	97.15	7573	0	0	0	0	0	
Fca215:Fca123 1:10	FCA 723	271.32	652	283.27	675	250.99	7704	254.74	
Fca215:Fca123 1:10	FCA 723	271.32	293	283.31	473	250.83	4786	254.76	
Fca215:Fca123 1:10	FCA 733	194.51	1534	198.41	922	190.52	9010	0	
Fca215:Fca123 1:10	FCA 733	194.42	657	198.33	774	190.19	7910	0	
Fca215:Fca123 1:10	FCA 742	0	0	0	0	154.65	4910	158.92	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 1:10 FCA 742		0	0	0	0	154.66	2183	159	
Fca215:Fca123 1:10 FCA 749		0	0	0	0	356.2	3456	0	
Fca215:Fca123 1:10 FCA 749		0	0	0	0	356.15	2025	0	
Fca215:Fca123 1:10 FCA 740		313.16	567	321.74	609	329.08	7944	0	
Fca215:Fca123 1:10 FCA 740		313.04	250	321.62	274	328.97	4149	0	
Fca215:Fca123 1:10 FCA 736		180.18	3778	0	0	0	0	0	
Fca215:Fca123 1:10 FCA 736		180.18	2124	0	0	0	0	0	
Fca215:Fca123 1:10 F124		271.06	1071	275.06	1120	285.29	7618	0	
Fca215:Fca123 1:10 F124		0	0	0	0	285.07	8018	0	
Fca215:Fca123 1:10 F53		0	0	0	0	149.04	6599	0	
Fca215:Fca123 1:10 F53		0	0	0	0	149.04	3513	0	
Fca215:Fca123 1:10 F85		0	0	0	0	183.79	7815	250.48	
Fca215:Fca123 1:10 F85		0	0	0	0	183.55	4316	250.41	
Fca215:Fca123 1:10 FCA441		116.92	505	120.96	3356	124.96	2758	0	
Fca215:Fca123 1:10 FCA441		116.84	268	120.88	1894	124.89	1613	0	
Fca215:Fca123 1:10 FCA 731		0	0	368.43	3833	364.58	4219	0	
Fca215:Fca123 1:10 FCA 731		0	0	368.43	2740	364.56	2834	0	
Fca215:Fca123 1:10 SRY		96.87	1531	0	0	0	0	0	
Fca215:Fca123 1:10 SRY		96.81	870	0	0	0	0	0	
Fca215:Fca123 1:20 FCA 723		0	0	0	0	250.91	6252	254.83	
Fca215:Fca123 1:20 FCA 723		0	0	0	0	250.87	7527	255.05	
Fca215:Fca123 1:20 FCA 733		0	0	0	0	190.2	7656	0	
Fca215:Fca123 1:20 FCA 733		194.41	1166	0	0	190.41	9529	0	
Fca215:Fca123 1:20 FCA 742		0	0	0	0	154.65	3411	159	
Fca215:Fca123 1:20 FCA 742		0	0	0	0	154.66	7635	159	
Fca215:Fca123 1:20 FCA 749		0	0	0	0	356.12	2716	0	
Fca215:Fca123 1:20 FCA 749		0	0	0	0	356.15	5371	0	
Fca215:Fca123 1:20 FCA 740		329.03	6506	0	0	0	0	0	
Fca215:Fca123 1:20 FCA 740		328.63	7898	0	0	0	0	0	
Fca215:Fca123 1:20 FCA 736		180.18	2543	0	0	0	0	0	
Fca215:Fca123 1:20 FCA 736		180.13	4534	0	0	0	0	0	
Fca215:Fca123 1:20 F124		0	0	0	0	284.51	8007	0	
Fca215:Fca123 1:20 F124		0	0	0	0	285.53	7799	0	
Fca215:Fca123 1:20 F53		0	0	0	0	149.04	4850	0	
Fca215:Fca123 1:20 F53		0	0	0	0	149.04	7879	0	
Fca215:Fca123 1:20 F85		0	0	0	0	183.55	7071	250.49	
Fca215:Fca123 1:20 F85		0	0	0	0	183.27	7317	250.36	
Fca215:Fca123 1:20 FCA441		0	0	120.88	2361	124.97	2082	0	
Fca215:Fca123 1:20 FCA441		0	0	120.86	3951	124.88	4035	0	
Fca215:Fca123 1:20 FCA 731		0	0	368.35	2696	364.59	3366	0	
Fca215:Fca123 1:20 FCA 731		0	0	368.44	4902	364.57	5150	0	
Fca215:Fca123 1:20 SRY		96.73	438	0	0	0	0	0	
Fca215:Fca123 1:20 SRY		96.91	863	0	0	0	0	0	
Fca215:Fca123 1:3 FCA 723		271.5	2035	283.42	1726	251.09	7569	255.04	
Fca215:Fca123 1:3 FCA 723		271.59	2104	283.46	1882	251.12	7689	255	
Fca215:Fca123 1:3 FCA 733		194.38	2054	198.32	1821	190.44	7857	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 1:3	FCA 733	194.36	2534	198.31	2736	190.41	8304	0	
Fca215:Fca123 1:3	FCA 742	145.88	1468	150.34	1507	154.69	4266	158.99	
Fca215:Fca123 1:3	FCA 742	145.88	1689	150.34	1528	154.69	4873	158.99	
Fca215:Fca123 1:3	FCA 749	0	0	0	0	356.42	2729	0	
Fca215:Fca123 1:3	FCA 749	0	0	0	0	356.43	3771	0	
Fca215:Fca123 1:3	FCA 740	312.41	1350	320.58	1438	327.77	6644	0	
Fca215:Fca123 1:3	FCA 740	312.45	1550	320.57	1383	327.7	7836	0	
Fca215:Fca123 1:3	FCA 736	164.01	514	180.1	2989	0	0	0	
Fca215:Fca123 1:3	FCA 736	164.09	588	180.13	3896	0	0	0	
Fca215:Fca123 1:3	F124	271.42	2783	275.26	2869	285.45	7671	0	
Fca215:Fca123 1:3	F124	271.42	3381	275.36	2300	285.49	7595	0	
Fca215:Fca123 1:3	F53	135.44	503	140.56	649	149.04	4509	0	
Fca215:Fca123 1:3	F53	135.52	732	140.57	745	149.12	5809	0	
Fca215:Fca123 1:3	F85	246.8	1822	268.98	1121	183.58	7696	250.74	
Fca215:Fca123 1:3	F85	246.83	2069	269.06	960	183.46	7715	250.69	
Fca215:Fca123 1:3	FCA441	116.82	747	120.88	2894	124.91	2254	0	
Fca215:Fca123 1:3	FCA441	116.86	917	120.86	3372	124.97	2755	0	
Fca215:Fca123 1:3	FCA 731	344.96	979	368.88	4215	365.01	3545	0	
Fca215:Fca123 1:3	FCA 731	345.03	1377	368.81	4172	364.95	4144	0	
Fca215:Fca123 1:3	SRY	96.96	3495	0	0	0	0	0	
Fca215:Fca123 1:3	SRY	96.95	4063	0	0	0	0	0	
Fca215:Fca123 1:30	FCA 723	0	0	0	0	251.7	7413	254.98	
Fca215:Fca123 1:30	FCA 723	0	0	0	0	251.06	7539	255.11	
Fca215:Fca123 1:30	FCA 733	0	0	0	0	190.13	9145	0	
Fca215:Fca123 1:30	FCA 733	0	0	0	0	190.41	8318	0	
Fca215:Fca123 1:30	FCA 742	0	0	0	0	153.61	7188	157.92	
Fca215:Fca123 1:30	FCA 742	0	0	0	0	154.7	4527	159.01	
Fca215:Fca123 1:30	FCA 749	0	0	0	0	356.34	5007	0	
Fca215:Fca123 1:30	FCA 749	0	0	0	0	356.37	3941	0	
Fca215:Fca123 1:30	FCA 740	327.5	7936	0	0	0	0	0	
Fca215:Fca123 1:30	FCA 740	327.86	7923	0	0	0	0	0	
Fca215:Fca123 1:30	FCA 736	179.52	3916	0	0	0	0	0	
Fca215:Fca123 1:30	FCA 736	180.14	3262	0	0	0	0	0	
Fca215:Fca123 1:30	F124	0	0	0	0	284.6	7832	0	
Fca215:Fca123 1:30	F124	0	0	0	0	284.52	7904	0	
Fca215:Fca123 1:30	F53	0	0	0	0	148.25	7709	0	
Fca215:Fca123 1:30	F53	0	0	0	0	149.05	6185	0	
Fca215:Fca123 1:30	F85	0	0	0	0	182.79	7745	250.86	
Fca215:Fca123 1:30	F85	0	0	0	0	183.49	7781	250.72	
Fca215:Fca123 1:30	FCA441	0	0	121.2	3274	125.22	3320	0	
Fca215:Fca123 1:30	FCA441	0	0	120.87	2904	124.93	2534	0	
Fca215:Fca123 1:30	FCA 731	0	0	368.82	4480	364.97	5188	0	
Fca215:Fca123 1:30	FCA 731	0	0	368.84	3931	364.97	4306	0	
Fca215:Fca123 1:30	SRY	96.93	484	0	0	0	0	0	
Fca215:Fca123 1:30	SRY	96.92	505	0	0	0	0	0	
Fca215:Fca123 1:40	FCA 723	0	0	0	0	251.02	4067	254.9	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 1:40	FCA 723	0	0	0	0	250.86	7386	254.49	
Fca215:Fca123 1:40	FCA 733	0	0	0	0	190.44	7612	0	
Fca215:Fca123 1:40	FCA 733	0	0	0	0	190.41	8667	0	
Fca215:Fca123 1:40	FCA 742	0	0	0	0	155.37	1629	159.67	
Fca215:Fca123 1:40	FCA 742	0	0	0	0	154.7	6213	159.01	
Fca215:Fca123 1:40	FCA 749	0	0	0	0	356.29	1774	0	
Fca215:Fca123 1:40	FCA 749	0	0	0	0	356.13	5758	0	
Fca215:Fca123 1:40	FCA 740	329.04	3723	0	0	0	0	0	
Fca215:Fca123 1:40	FCA 740	328.66	7664	0	0	0	0	0	
Fca215:Fca123 1:40	FCA 736	180.19	1972	0	0	0	0	0	
Fca215:Fca123 1:40	FCA 736	180.14	4269	0	0	0	0	0	
Fca215:Fca123 1:40	F124	0	0	0	0	284.86	8033	0	
Fca215:Fca123 1:40	F124	0	0	0	0	285.42	7740	0	
Fca215:Fca123 1:40	F53	0	0	0	0	149.65	3091	0	
Fca215:Fca123 1:40	F53	0	0	0	0	149.04	7781	0	
Fca215:Fca123 1:40	F85	0	0	0	0	183.61	4681	250.52	
Fca215:Fca123 1:40	F85	0	0	0	0	183.88	7333	250.27	
Fca215:Fca123 1:40	FCA441	0	0	120.83	1788	124.88	1720	0	
Fca215:Fca123 1:40	FCA441	0	0	120.85	4013	124.91	3628	0	
Fca215:Fca123 1:40	FCA 731	0	0	368.43	2233	364.63	2291	0	
Fca215:Fca123 1:40	FCA 731	0	0	368.39	5588	364.59	5883	0	
Fca215:Fca123 1:40	SRY	96.83	216	0	0	0	0	0	
Fca215:Fca123 1:40	SRY	96.92	518	0	0	0	0	0	
Fca215:Fca123 1:5	FCA 723	271.44	1017	283.33	965	250.89	7744	254.81	
Fca215:Fca123 1:5	FCA 723	271.62	780	283.46	894	251.26	5990	255.1	
Fca215:Fca123 1:5	FCA 733	194.4	1967	198.32	1403	190.39	8376	0	
Fca215:Fca123 1:5	FCA 733	194.4	1333	198.32	1246	190.39	7740	0	
Fca215:Fca123 1:5	FCA 742	145.8	672	150.34	923	154.7	3764	159.01	
Fca215:Fca123 1:5	FCA 742	145.83	749	150.34	710	154.65	3759	158.92	
Fca215:Fca123 1:5	FCA 749	0	0	0	0	356.21	3501	0	
Fca215:Fca123 1:5	FCA 749	0	0	0	0	356.37	2811	0	
Fca215:Fca123 1:5	FCA 740	313.26	851	321.65	739	329.08	7546	0	
Fca215:Fca123 1:5	FCA 740	312.43	703	320.56	685	327.81	7267	0	
Fca215:Fca123 1:5	FCA 736	163.97	344	180.1	3434	0	0	0	
Fca215:Fca123 1:5	FCA 736	164.07	318	180.09	2991	0	0	0	
Fca215:Fca123 1:5	F124	271.27	1945	275.18	1556	284.47	7517	0	
Fca215:Fca123 1:5	F124	271.45	1682	275.26	1839	285.38	7865	0	
Fca215:Fca123 1:5	F53	135.47	469	140.48	461	149.13	5793	0	
Fca215:Fca123 1:5	F53	135.54	331	140.55	395	149.13	4787	0	
Fca215:Fca123 1:5	F85	246.56	1254	268.84	810	183.56	7484	250.47	
Fca215:Fca123 1:5	F85	246.83	1226	269.02	583	183.63	7810	250.66	
Fca215:Fca123 1:5	FCA441	116.82	776	120.85	3213	124.93	2663	0	
Fca215:Fca123 1:5	FCA441	116.91	576	120.88	2661	124.97	2274	0	
Fca215:Fca123 1:5	FCA 731	345.54	696	368.37	4098	364.6	3920	0	
Fca215:Fca123 1:5	FCA 731	344.99	714	368.83	2954	365	3316	0	
Fca215:Fca123 1:5	SRY	96.87	2341	0	0	0	0	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 1:5	SRY	96.9	2282	0	0	0	0	0	
Fca215:Fca123 1:50 FCA 723		0	0	0	0	251.11	7308	254.7	
Fca215:Fca123 1:50 FCA 723		0	0	0	0	250.9	7000	254.76	
Fca215:Fca123 1:50 FCA 733		0	0	0	0	190.51	7920	0	
Fca215:Fca123 1:50 FCA 733		0	0	0	0	190.46	7545	0	
Fca215:Fca123 1:50 FCA 742		0	0	0	0	154.83	4828	159.1	
Fca215:Fca123 1:50 FCA 742		0	0	0	0	154.75	4148	159.02	
Fca215:Fca123 1:50 FCA 749		0	0	0	0	356.23	3607	0	
Fca215:Fca123 1:50 FCA 749		0	0	0	0	356.18	3391	0	
Fca215:Fca123 1:50 FCA 740		329.03	7775	0	0	0	0	0	
Fca215:Fca123 1:50 FCA 740		329.01	7793	0	0	0	0	0	
Fca215:Fca123 1:50 FCA 736		180.18	3443	0	0	0	0	0	
Fca215:Fca123 1:50 FCA 736		180.17	3147	0	0	0	0	0	
Fca215:Fca123 1:50 F124		0	0	0	0	284.33	7893	0	
Fca215:Fca123 1:50 F124		0	0	0	0	284.38	7783	0	
Fca215:Fca123 1:50 F53		0	0	0	0	149.05	6252	0	
Fca215:Fca123 1:50 F53		0	0	0	0	149.05	6009	0	
Fca215:Fca123 1:50 F85		0	0	0	0	183.58	7536	250.52	
Fca215:Fca123 1:50 F85		0	0	0	0	183.5	7643	250.56	
Fca215:Fca123 1:50 FCA441		0	0	120.94	3030	124.96	2841	0	
Fca215:Fca123 1:50 FCA441		0	0	120.88	2910	124.99	2504	0	
Fca215:Fca123 1:50 FCA 731		0	0	368.43	3803	364.67	4356	0	
Fca215:Fca123 1:50 FCA 731		0	0	368.46	3451	364.59	3712	0	
Fca215:Fca123 1:50 SRY		96.84	254	0	0	0	0	0	
Fca215:Fca123 1:50 SRY		96.84	265	0	0	0	0	0	
Fca215:Fca123 10:1 FCA 723		271.31	7154	283.13	7738	250.89	1283	254.82	
Fca215:Fca123 10:1 FCA 723		271.7	7297	283.15	7759	251.22	1539	255.05	
Fca215:Fca123 10:1 FCA 733		194.15	7624	198.4	7705	190.38	2701	0	
Fca215:Fca123 10:1 FCA 733		194.11	7700	198.01	7747	190.43	3390	0	
Fca215:Fca123 10:1 FCA 742		145.89	6160	150.34	5807	0	0	0	
Fca215:Fca123 10:1 FCA 742		145.92	7604	150.34	7286	154.65	1008	158.92	
Fca215:Fca123 10:1 FCA 749		345.1	1674	360.03	1599	356.15	789	0	
Fca215:Fca123 10:1 FCA 749		344.47	1927	360.24	2061	356.35	1045	0	
Fca215:Fca123 10:1 FCA 740		313.14	6873	321.62	6159	328.97	1073	0	
Fca215:Fca123 10:1 FCA 740		312.36	7885	320.54	7669	327.84	1534	0	
Fca215:Fca123 10:1 FCA 736		164.05	2461	180.1	2715	0	0	0	
Fca215:Fca123 10:1 FCA 736		164.05	2749	180.18	2634	0	0	0	
Fca215:Fca123 10:1 F124		270.7	5224	275.49	7549	284.89	2507	0	
Fca215:Fca123 10:1 F124		270.84	5227	275.85	7433	285.07	3200	0	
Fca215:Fca123 10:1 F53		135.46	2797	140.57	3006	149.13	883	0	
Fca215:Fca123 10:1 F53		135.47	3997	140.55	3477	149.04	1203	0	
Fca215:Fca123 10:1 F85		246.56	7561	268.79	5916	183.48	1616	0	
Fca215:Fca123 10:1 F85		246.72	7732	269.02	6745	183.63	1923	0	
Fca215:Fca123 10:1 FCA441		116.84	3708	120.73	3571	124.89	339	0	
Fca215:Fca123 10:1 FCA441		116.84	4364	120.79	4800	124.95	393	0	
Fca215:Fca123 10:1 FCA 731		345.51	4974	368.43	4953	364.56	1233	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 10:1	FCA 731	345.01	5999	368.85	6003	364.94	1526	0	
Fca215:Fca123 10:1	SRY	97.19	7445	0	0	0	0	0	
Fca215:Fca123 10:1	SRY	96.61	7519	0	0	0	0	0	
Fca215:Fca123 20:1	FCA 723	271.59	7404	283.05	7668	251.19	514	255.02	
Fca215:Fca123 20:1	FCA 723	271.79	7038	283.65	6196	0	0	0	
Fca215:Fca123 20:1	FCA 733	194.43	7671	198.09	7507	190.51	1929	0	
Fca215:Fca123 20:1	FCA 733	194.51	5072	198.41	5057	190.5	761	0	
Fca215:Fca123 20:1	FCA 742	145.83	7057	150.34	6408	0	0	0	
Fca215:Fca123 20:1	FCA 742	145.82	1778	150.36	1655	0	0	0	
Fca215:Fca123 20:1	FCA 749	344.63	2213	360.33	1971	356.44	458	0	
Fca215:Fca123 20:1	FCA 749	344.66	974	360.56	1047	356.62	309	0	
Fca215:Fca123 20:1	FCA 740	312.41	7417	320.62	7354	327.85	701	0	
Fca215:Fca123 20:1	FCA 740	312.52	3966	320.78	3904	327.97	346	0	
Fca215:Fca123 20:1	FCA 736	164.14	2628	180.18	2617	0	0	0	
Fca215:Fca123 20:1	FCA 736	164.18	812	180.23	1005	0	0	0	
Fca215:Fca123 20:1	F124	270.81	4969	275.74	7598	284.97	970	0	
Fca215:Fca123 20:1	F124	271.27	5431	275.59	7534	285.31	852	0	
Fca215:Fca123 20:1	F53	135.47	3858	140.47	3333	0	0	0	
Fca215:Fca123 20:1	F53	135.11	981	140.26	1053	0	0	0	
Fca215:Fca123 20:1	F85	246.69	7840	269	7217	0	0	0	
Fca215:Fca123 20:1	F85	247.16	4744	269.29	3814	0	0	0	
Fca215:Fca123 20:1	FCA441	116.88	3920	120.76	3778	0	0	0	
Fca215:Fca123 20:1	FCA441	0	0	0	0	0	0	0	
Fca215:Fca123 20:1	FCA 731	345.09	6327	368.94	5987	365.03	1249	0	
Fca215:Fca123 20:1	FCA 731	345.11	4145	369.13	4052	365.29	713	0	
Fca215:Fca123 20:1	SRY	97.28	7708	0	0	0	0	0	
Fca215:Fca123 20:1	SRY	0	0	0	0	0	0	0	
Fca215:Fca123 3:1	FCA 723	271.16	6779	283.19	5073	250.85	2304	254.76	
Fca215:Fca123 3:1	FCA 723	271.32	6993	283.24	6262	250.89	2891	0	
Fca215:Fca123 3:1	FCA 733	194.45	5890	198.34	5209	190.48	5116	0	
Fca215:Fca123 3:1	FCA 733	194.47	7248	198.34	6558	190.51	5739	0	
Fca215:Fca123 3:1	FCA 742	145.83	3800	150.34	3486	154.74	1332	159.09	
Fca215:Fca123 3:1	FCA 742	145.86	3613	150.34	3323	154.73	1380	159.09	
Fca215:Fca123 3:1	FCA 749	345.14	864	360.06	716	356.28	1088	0	
Fca215:Fca123 3:1	FCA 749	345.22	980	360.12	920	356.35	1246	0	
Fca215:Fca123 3:1	FCA 740	313.13	3780	321.68	3716	329.01	2357	0	
Fca215:Fca123 3:1	FCA 740	313.18	4389	321.62	3977	329.12	2588	0	
Fca215:Fca123 3:1	FCA 736	164.12	1850	180.2	2599	0	0	0	
Fca215:Fca123 3:1	FCA 736	164.12	1580	180.24	2678	0	0	0	
Fca215:Fca123 3:1	F124	270.73	5495	274.98	7289	284.77	4670	0	
Fca215:Fca123 3:1	F124	270.72	5663	274.96	7636	284.81	5870	0	
Fca215:Fca123 3:1	F53	135.48	1489	140.55	1450	149.04	1504	0	
Fca215:Fca123 3:1	F53	135.57	1882	140.54	1754	149.05	1722	0	
Fca215:Fca123 3:1	F85	246.54	4407	268.74	3361	183.63	2401	250.43	
Fca215:Fca123 3:1	F85	246.59	5075	268.82	3754	183.67	3655	250.47	
Fca215:Fca123 3:1	FCA441	116.91	2380	120.85	3018	124.99	786	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 3:1	FCA441	116.93	2476	120.87	3189	124.93	949	0	
Fca215:Fca123 3:1	FCA 731	345.63	2764	368.41	3565	364.65	1878	0	
Fca215:Fca123 3:1	FCA 731	345.63	3719	368.53	4215	364.69	2037	0	
Fca215:Fca123 3:1	SRY	97.12	7607	0	0	0	0	0	
Fca215:Fca123 3:1	SRY	97.05	7665	0	0	0	0	0	
Fca215:Fca123 30:1	FCA 723	271.38	7285	282.99	7696	250.76	544	254.68	
Fca215:Fca123 30:1	FCA 723	271.67	7136	283.19	7666	251.23	603	255.06	
Fca215:Fca123 30:1	FCA 733	194.19	7686	198.09	7675	190.43	1747	0	
Fca215:Fca123 30:1	FCA 733	194.19	7526	198.09	7630	190.44	1759	0	
Fca215:Fca123 30:1	FCA 742	145.8	6576	150.34	6710	0	0	0	
Fca215:Fca123 30:1	FCA 742	145.83	7484	150.26	6761	0	0	0	
Fca215:Fca123 30:1	FCA 749	345.1	2134	360.01	1909	356.22	445	0	
Fca215:Fca123 30:1	FCA 749	344.57	2216	360.29	1779	356.41	497	0	
Fca215:Fca123 30:1	FCA 740	313.01	7922	321.56	7205	328.99	643	0	
Fca215:Fca123 30:1	FCA 740	312.35	7922	320.6	7882	327.88	672	0	
Fca215:Fca123 30:1	FCA 736	164.14	2232	180.18	2299	0	0	0	
Fca215:Fca123 30:1	FCA 736	164.14	2690	180.18	2418	0	0	0	
Fca215:Fca123 30:1	F124	270.51	4942	275.47	7549	284.84	1282	0	
Fca215:Fca123 30:1	F124	270.81	5278	275.73	7540	284.93	1246	0	
Fca215:Fca123 30:1	F53	135.46	3525	140.48	3226	149.04	563	0	
Fca215:Fca123 30:1	F53	135.47	3447	140.47	3547	148.96	547	0	
Fca215:Fca123 30:1	F85	246.44	7895	268.69	6584	0	0	0	
Fca215:Fca123 30:1	F85	246.74	7657	269	6979	0	0	0	
Fca215:Fca123 30:1	FCA441	116.85	3013	120.74	3141	0	0	0	
Fca215:Fca123 30:1	FCA441	116.88	3381	120.76	3224	0	0	0	
Fca215:Fca123 30:1	FCA 731	345.59	5877	368.47	6025	364.61	1183	0	
Fca215:Fca123 30:1	FCA 731	345.02	5625	368.87	5664	365.06	986	0	
Fca215:Fca123 30:1	SRY	97.18	7650	0	0	0	0	0	
Fca215:Fca123 30:1	SRY	96.6	7503	0	0	0	0	0	
Fca215:Fca123 40:1	FCA 723	271.64	6957	283.41	7077	0	0	0	
Fca215:Fca123 40:1	FCA 723	271.55	5383	283.4	4005	0	0	0	
Fca215:Fca123 40:1	FCA 733	194.3	7515	198.34	7277	190.49	992	0	
Fca215:Fca123 40:1	FCA 733	194.41	4798	198.27	4906	0	0	0	
Fca215:Fca123 40:1	FCA 742	145.86	5017	150.34	4664	0	0	0	
Fca215:Fca123 40:1	FCA 742	145.83	1910	150.34	1704	0	0	0	
Fca215:Fca123 40:1	FCA 749	344.52	1656	360.38	1463	0	0	0	
Fca215:Fca123 40:1	FCA 749	344.61	860	360.37	855	0	0	0	
Fca215:Fca123 40:1	FCA 740	312.35	5852	320.63	5600	0	0	0	
Fca215:Fca123 40:1	FCA 740	312.35	2886	320.64	2762	0	0	0	
Fca215:Fca123 40:1	FCA 736	164.03	1772	180.14	1694	0	0	0	
Fca215:Fca123 40:1	FCA 736	164.1	1110	180.15	917	0	0	0	
Fca215:Fca123 40:1	F124	270.95	5620	275.49	7728	0	0	0	
Fca215:Fca123 40:1	F124	271.21	5719	275.32	5736	0	0	0	
Fca215:Fca123 40:1	F53	135.5	2428	140.54	2429	0	0	0	
Fca215:Fca123 40:1	F53	136.05	1239	141.07	1198	0	0	0	
Fca215:Fca123 40:1	F85	246.89	6988	268.99	5345	0	0	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 40:1	F85	246.82	3378	268.98	2616	0	0	0	
Fca215:Fca123 40:1	FCA441	116.9	2421	120.75	2640	0	0	0	
Fca215:Fca123 40:1	FCA441	116.83	1628	120.75	1443	0	0	0	
Fca215:Fca123 40:1	FCA 731	345.06	4653	368.89	3957	365.03	639	0	
Fca215:Fca123 40:1	FCA 731	345.06	2854	0	0	368.95	2529	0	
Fca215:Fca123 40:1	SRY	97.15	7820	0	0	0	0	0	
Fca215:Fca123 40:1	SRY	96.93	6636	0	0	0	0	0	
Fca215:Fca123 5:1	FCA 723	271.56	7099	283.4	6190	251.2	2018	254.99	
Fca215:Fca123 5:1	FCA 723	272.16	3725	283.99	3478	251.78	1068	255.66	
Fca215:Fca123 5:1	FCA 733	194.27	7686	198.23	7754	190.39	3954	0	
Fca215:Fca123 5:1	FCA 733	194.57	3550	198.55	3117	190.59	1673	0	
Fca215:Fca123 5:1	FCA 742	145.86	5483	150.34	4631	154.74	1153	159.01	
Fca215:Fca123 5:1	FCA 742	146.23	1372	150.79	1490	155.15	360	159.4	
Fca215:Fca123 5:1	FCA 749	344.57	1276	360.35	1371	356.51	989	0	
Fca215:Fca123 5:1	FCA 749	344.72	487	360.48	405	356.47	347	0	
Fca215:Fca123 5:1	FCA 740	312.37	5997	320.57	5383	327.88	1618	0	
Fca215:Fca123 5:1	FCA 740	312.8	2603	320.93	2494	328.18	866	0	
Fca215:Fca123 5:1	FCA 736	164	1936	180.1	2323	0	0	0	
Fca215:Fca123 5:1	FCA 736	164.25	473	180.37	726	0	0	0	
Fca215:Fca123 5:1	F124	270.94	5655	274.97	7577	284.99	3385	0	
Fca215:Fca123 5:1	F124	271.98	5290	276	4182	285.57	1397	0	
Fca215:Fca123 5:1	F53	135.51	2707	140.49	2054	149.12	1778	0	
Fca215:Fca123 5:1	F53	135.65	588	140.77	548	149.39	274	0	
Fca215:Fca123 5:1	F85	246.83	6149	268.94	4769	183.51	2247	250.69	
Fca215:Fca123 5:1	F85	247.4	3061	269.63	2195	183.73	748	251.35	
Fca215:Fca123 5:1	FCA441	116.82	2926	120.74	3098	124.86	733	0	
Fca215:Fca123 5:1	FCA441	0	0	0	0	0	0	0	
Fca215:Fca123 5:1	FCA 731	345.03	4157	368.88	4497	365.01	1467	0	
Fca215:Fca123 5:1	FCA 731	345.26	2362	368.97	2531	365.12	758	0	
Fca215:Fca123 5:1	SRY	96.66	7635	0	0	0	0	0	
Fca215:Fca123 5:1	SRY	0	0	0	0	0	0	0	
Fca215:Fca123 50:1	FCA 723	271.53	7051	283.02	7525	0	0	0	
Fca215:Fca123 50:1	FCA 723	271.52	6923	282.97	7469	0	0	0	
Fca215:Fca123 50:1	FCA 733	194.14	7450	198.1	7284	0	0	0	
Fca215:Fca123 50:1	FCA 733	194.14	7353	198.1	7387	0	0	0	
Fca215:Fca123 50:1	FCA 742	145.78	7574	150.34	7211	0	0	0	
Fca215:Fca123 50:1	FCA 742	145.84	7524	150.34	7308	0	0	0	
Fca215:Fca123 50:1	FCA 749	345.1	2181	359.98	1856	0	0	0	
Fca215:Fca123 50:1	FCA 749	345.18	2345	360.02	1974	0	0	0	
Fca215:Fca123 50:1	FCA 740	313.06	7761	321.52	7617	0	0	0	
Fca215:Fca123 50:1	FCA 740	312.84	7760	321.47	7749	0	0	0	
Fca215:Fca123 50:1	FCA 736	164.03	2539	180.14	2400	0	0	0	
Fca215:Fca123 50:1	FCA 736	164.01	2389	180.07	2569	0	0	0	
Fca215:Fca123 50:1	F124	270.59	5830	274.63	7438	0	0	0	
Fca215:Fca123 50:1	F124	270.58	5983	274.61	7514	0	0	0	
Fca215:Fca123 50:1	F53	135.5	3990	140.54	4078	0	0	0	

DNA Mixture*	STR	Allele 1 (bp)	Peak 1 Height	Allele 2 (bp)	Peak 2 Height	Allele 3 (bp)	Peak 3 Height	Allele 4 (bp)	Peak 4 Height
Fca215:Fca123 50:1	F53	135.41	4029	140.47	3940	0	0	0	
Fca215:Fca123 50:1	F85	246.85	7592	268.79	7105	0	0	0	
Fca215:Fca123 50:1	F85	246.48	7690	268.78	7328	0	0	0	
Fca215:Fca123 50:1	FCA441	116.9	3884	120.75	3530	0	0	0	
Fca215:Fca123 50:1	FCA441	116.83	4259	120.68	3429	0	0	0	
Fca215:Fca123 50:1	FCA 731	345.5	5599	0	0	368.43	5186	0	
Fca215:Fca123 50:1	FCA 731	345.58	5606	368.43	5552	364.63	905	0	
Fca215:Fca123 50:1	SRY	97.21	7649	0	0	0	0	0	
Fca215:Fca123 50:1	SRY	96.52	7684	0	0	0	0	0	
no DNA control	FCA 723	0	0	0	0	0	0	0	
no DNA control	FCA 723	0	0	0	0	0	0	0	
no DNA control	FCA 733	0	0	0	0	0	0	0	
no DNA control	FCA 733	0	0	0	0	0	0	0	
no DNA control	FCA 742	0	0	0	0	0	0	0	
no DNA control	FCA 742	0	0	0	0	0	0	0	
no DNA control	FCA 749	0	0	0	0	0	0	0	
no DNA control	FCA 749	0	0	0	0	0	0	0	
no DNA control	FCA 740	0	0	0	0	0	0	0	
no DNA control	FCA 740	0	0	0	0	0	0	0	
no DNA control	FCA 736	0	0	0	0	0	0	0	
no DNA control	FCA 736	0	0	0	0	0	0	0	
no DNA control	F124	0	0	0	0	0	0	0	
no DNA control	F124	0	0	0	0	0	0	0	
no DNA control	F53	0	0	0	0	0	0	0	
no DNA control	F53	0	0	0	0	0	0	0	
no DNA control	F85	0	0	0	0	0	0	0	
no DNA control	F85	0	0	0	0	0	0	0	
no DNA control	FCA441	0	0	0	0	0	0	0	
no DNA control	FCA441	0	0	0	0	0	0	0	
no DNA control	FCA 731	0	0	0	0	0	0	0	
no DNA control	FCA 731	0	0	0	0	0	0	0	
no DNA control	SRY	0	0	0	0	0	0	0	
no DNA control	SRY	0	0	0	0	0	0	0	

Two sets of DNA mixtures were examined both containing ratios at 1:1, 1:3, 1:5, 1:10, 1:20, 1:30, 1:40, 1:50, 3:1, 5:1, 10:1, 20:1, 30:1, 40:1, and 50:1 for the major and minor components. The total amount of template DNA was maintained at 2 ng. Fca215 is a male cat, Fca123 is a female cat.