

**Marker data.**

- PCR conditions are: 3 min at 95°C followed by 30 cycles of 92° 1min/55° 1min/72° 1min followed by 5 min extension at 72°C.
- DNA from CEPH individual 1347-02 was used as a reference for microsatellite allele size determination.
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Marker	Amplification Primers	CEPH 134702 sizes	Size Range	Repeat Unit	Heterozygosity	Distance to next marker (kb)	D number	GDB ID	Notes
M6S225	GCACAATGGAGTAATGCAAAGCTG GGCAACATCTCAAGTCTCTCTTC	178/192	162–216	AT	0.82	23.686	D6S2655	GDB:9964369	
M6S226	CTTGATACACTCTGAAGCAGCC CCTCCCTGTGGATGTCAAGAATC	298/302	290–310	CA	0.77	10.557	D6S2656	GDB:9964371	
M6S227	CAGAAAGGCAAACAAGCACATGAG TTGCACTACTGCACTCCAGTCTGG	124/132	124–136	TTTG	0.58	32.205	D6S2657	GDB:9964373	
M6S122	AGAGAATGGATGCTGCATGAGG TGTATAACCCGAAAGTCCAGCTCTC	271/271	268–279	CA	0.60	46.394	D6S2658	GDB:9964375	
M6S229	CTCAAGGAGAGGAATGTGTGTGC AGGAGTCCATTGTGGTTGGAATAG	141/145	129–153	TATC	0.66	90.049	D6S2659	GDB:9964377	
M6S230	TTGCAGTGAGAGGAGATCGCAC AGAGTCCCTGAGAAGGCATTCCG	272/272	260–276	AAAC	0.63	26.594	D6S2660	GDB:9964379	
M6S231	ATCGCACCCTGCATTCCAG AAACAGAGCATCCAAGAGCTGC	134/138	130–146	AAAC	0.74	50.134	D6S2661	GDB:9964381	
M6S232	CGAACCAACCACACTTGGATAAGAG CCATGAAAGGAAAAGGTTTGGG	174/178	146–184	CA	0.75	17.6	D6S2662	GDB:9964383	
M6S233	TTCTTAACCTGCCAGAGGGAGC GCCAAGACGTTATTTTGGGG(T/G)G	112/116	83–134	CA	0.76	43.671	D6S2663	GDB:9964385	
D6S2447	TTGAGAGGTGTGCATGTTAC GCATTTCTCTTCTTATCACTTC	184/192	180–206	CA	0.83	7.589	D6S2447	GDB:5886537	
M6S115	TCTGAGTTGGCAGCATTTGTAG GCAAGAATCCAGCATTTTGGAG	136/142	128–164	CA	0.90	38.523	D6S2446	GDB:9964387	

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M6S234	GTTCTCGGAATCATTTCCTCC GGCAACAGAGTGAGGCTATCTTTG	283/284	267–298	CTTT	0.84	152.037	D6S2664	GDB:9964389	
M6S118	TGAAAAACGCATGTCCTCACC CCTAATTCTCCTCTTCAACACACAG	247/262	246–266	CA	0.84	5.979	D6S2665	GDB:9964391	
M6S119	GGTGAGTCTAAATTGTCCAGCAG TCATGGATGACTGGAGCCTATCC	147/172	147–176	CA	0.71	153.112	D6S2666	GDB:9964393	
M6S217	TTTGGGGCATGTCTGTCTGCATC TCCAGTTCATCCATGTTGTAC	167/179	131–199	AT	0.93	24.274	D6S2667	GDB:9964395	
M6S137	ATCCCCCACCTCTTAAAAG AGCAGGAATGCTACTTCCACTGAG	164/164	157–166	CA	0.63	28.268	D6S2668	GDB:9964397	
M6S139	TTGAGAAGGGGCTGTGGAATG AACATCCTCTAAGGGAGCTGG	145/148	133–157	CTG	0.76	68.31	D6S1014	GDB:9964399	
M6S140	TTAAGGACAGCAAAGCCAGCAG TGCTTCTGTAAGCCTCAGTCTCC	127/129	109–141	CA	0.78	88.419	D6S2669	GDB:9964401	
M6S222	CCACCCACTTCTCCACTAGAATC GTGAATTGTGACTGTGCCAGTACAC	205/214	189–238	TTTC	0.91	318.359	D6S2670	GDB:9964403	
D6S273	GCAACTTTTCTGTCAATCCA ACCAAACCTCAAATTTTCGG	132/136	120–144	CA	0.78	106.187	D6S273	GDB:188060	
M6S124	CCAGCCTGGATAACAGAACGAGAC GCAACAAACCCCAACCTTAGG	262/264	252–284	CA	0.81	42.082	D6S2671	GDB:9964405	
TNFB	GCCTCTAGATTTTCATCCAGCCACAG CCTCTCTCCCCTGCAACACACA	103/121	101–129	CA	0.84	63.692		GDB:182377	

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M6S125	ATACAGGGGCTTCAGTTTCTCTACC CCACTTCAAACCAATCAGGGTG	112/120	102–136	CA	0.88	89.393	D6S2672	GDB:9964407	
MICA	CCTTTTTTTCAGGGAAAGTGC CCTTACCATCTCCAGAAACTGC	182/183	179–194	CA	0.73	30.724		GDB:6053610	
M6S166	TTCTGCGTTTTTCAGCCTGCTAG GAACCACTCTTCGTACCACAGTCTC	180/190	180–214	CA	0.89	90.309	D6S2673	GDB:9964409	Same repeat as MIB of Grimaldi et al., Human Immunol 51:89-94 (1996).
M6S101	CCTGAAACTTGGGCAATGAGTC CCAGGCAAAAGTCAAGCATATCTG	148/160	130–172	CA	0.91	5.774	D6S2674	GDB:9964411	Same repeat as C1_2_5 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S151	GCTGTGGCATGAGCTTCTTGAG GGTGGTTATGACTGAGTAGGACC	203/203	200–204	CT	0.50	42.972	D6S2675	GDB:9964413	
M6S167	TGGGTGACAGAACAAGGCTCCATC CACTTTCTCAGGTAAGGGGGTTAG	220/249	220–276	GGAA	0.87	1.504	D6S2676	GDB:9964415	Same repeat as C1_4_3 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S105	GGGTGCCACAAGAATTGCAG TCCAGCCTGTGATAGAGTGAGACC	136/144	127–157	GTT	0.40	3.37	D6S2677	GDB:9964417	Same repeat as C1_3_1 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S168	TTGCAGTGAGCCAAGATCGC CCCCACAAAAACCCCTGTTTATC	262/306	258–326	GAAA	0.88	6.389	D6S2678	GDB:9964419	Same repeat as C1_4_4 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S178	TTGAACCAGGAGGTGGAGGTTG CAAGAAATGACCACAGCAGGAAC	273/275	271–278	AAAG	0.71	1.628	D6S2679	GDB:9964421	
M6S102	CCTAATCAAAGGCATGGCTTC GGTGACAAAGCGAGACACCATC	254/260	254–263	AAT	0.52	8.048	D6S2680	GDB:9964423	
M6S172	CATAAGAAGGCATGGAATAGGGC TGGAGTTGATGGTGAGCTGAG	163/178	163–203	ATTTT	0.75	7.765	D6S2681	GDB:9964425	

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M6S176	GAAAGTCTTGAAGTCAGGTGTGGC TGAGCTGAGATTGCACTCCAGC	171/171	157–171	TTTG	0.62	13.483	D6S2682	GDB:9964427	
M6S145	ACAGGTGTGAGCCCAAACCTCCTAC ATTAACCCACAACCTGCACTCCGCC	209/209	209–213	CT	0.47	1.809	D6S2683	GDB:9964429	
M6S143	CCAACATGGTGAAGCCTTCTCTAC CCGCTGGTCTAGTATCATTTCAGTG	240/240	240–261	CA	0.56	15.443	D6S2684	GDB:9964431	
M6S111	CAAACCTTGACTGTTCTTGCCC TTACAGGTGCCTGCCACCATAC	176/184	170–192	TATC	0.82	2.048	D6S2685	GDB:9964433	Same repeat as C1_2_6 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S169	GAAAAGGAGCCAATGATAGCAGC AGATTGCACCACTGCACTCCAG	157/159	156–162	TA/TG	0.67	30.673	D6S2686	GDB:9964435	Same repeat as C1_2_7 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S200	GCCTGGGTGACAAGAACAAGAC GAATGTGGAACATGGAACACTGG	140/142	132–142	AAAAG	0.67	5.003	D6S2687	GDB:9964437	
M6S198	AGATCATGCCACTGCACTCCAG CTCAAGCCTGGGTGATAGAGAAAG	240/240	237–243	AAC	0.34	16.596	D6S2688	GDB:9964439	
M6S190	CGTGCAGGACTGATCTCCATTC TGGGGTTTCATCATGTTGGC	127/130	127–154	TAA	0.84	49.909	D6S2689	GDB:9964441	Same repeat as C1_3_2 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S161	TTGAACACAACCATCTCTGCTCC ATCAGCCTGCTTCTGGGATTCTCC	251/251	250–290	GAAA	0.58	7.582	D6S2690	GDB:9964443	Same repeat as C2_2_2 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S160	GTAGCTGTGGAACAGTGTCCATG GGCTTGACTTGAAACTCAGAGACC	133/133	129–185	CTTT	0.71	0.488	D6S2691	GDB:9964445	Same repeat as C2_4_4 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S159	GCTCGATAACATAGCAAGACTCTG CAGTGTGCTTGTCCAATAATCCAC	215/215	215–221	AT	0.47	13.923	D6S2692	GDB:9964447	

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M6S162	CGCTATTGCATTCCAGCCTG TCTAGTCATCCCTCCCTACTGCTG	162/162	154–207	GGAA	0.57	2.387	D6S2693	GDB:9964449	Same repeat as C2_4_5 of Tamiya et al, Tissue Antigens 51:337-346 (1997).
M6S224	AACTGTTCTCTCTTAGAAGGCAGC ACCTGGGCAATACAGCAAGACC	261/265	223–290	CTTT	0.93	11.709	D6S2694	GDB:9964451	
M6S179	CCAGTTCCTTCATTGCGAGGTC AGCTTGAGTGAGCCGAGATCG	163/167	163–167	GTTT	0.44	10.663	D6S2695	GDB:9964453	
M6S181	CGCATTTTGGATGGCTGAAC GAGCAAGATCCTGTCTCGAAAGG	245/245	241–245	CT/CTT/ CTTT	0.42	48.83	D6S2696	GDB:9964455	
M6S187	AGGTGTAGGGTAGGAGAGAAATTG TTGCTCCACTATACTCCAGCCTGG	160/165	150–190	TTTTA/ TTTA	0.77	68.412	D6S2697	GDB:9964457	
M6S164	TTCCCGACACAGCTCTGACTTC GCGAGTGGAGAAGGTGAGATTTAG	218/224	212–234	GT	0.55	24.9	D6S2698	GDB:9964459	
M6S163	CGACTCCACCTATGACGGACATAC CCTCTTCTCAGCTCTTCCATCTCAC	183/199	173–201	GT	0.72	78.164	D6S2699	GDB:9964461	
M6S165	AAAAGGAGGAAGAGCCACGGAG TCTGCCAGCATGTTCTTGAC	148/168	144–168	CA	0.74	298.308	D6S2700	GDB:9964463	
M6S201	GCCACTGAGGTCTGTGGTCATAAC TATTTTCTGCTGCTGCCCC	122/122	112–156	GAAA	0.88	59.311	D6S2701	GDB:9964465	
M6S202	CAGGCAGGCATCAAACATATCTG ATCTACCAGGGCTCAGTAGCAAGC	247/249	201–257	TG	0.90	6.745	D6S2702	GDB:9964467	
M6S203	TGGGTGACAGAGTGAGACTGTGTC GGTGCCTTTACTTAATCCAAAGCC	188/188	176–192	AAGG	0.56	164.542	D6S2703	GDB:9964469	

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M6S204	GAGCACAATATCTGGTCTGCTGC TTTTGCCACTCTGGAGGATGG	160/164	150–174	CA	0.84	113.993	D6S2704	GDB:9964471	
M6S207	GCAAGCCGAAAGTCTTCTTTAGC TCACTATTCCCACTGTCCCTGG	188/192	180–202	TG	0.82	43.068	D6S2705	GDB:9964473	
D6S265	ACGTTTCGTACCCATTAACCT ATCGAGGTAACAGCAGAAA	122/126	122–144	CA	0.78	78.213	D6S265	GDB:187972	
D6S510	AATGGGCTACTACTTCACACC CAACACACTGATTTCCATAGC	181/195	181–205	CA	0.79	133.118	D6S510	GDB:249443	
M6S211	CAGCCTCCATAATTGTGTGAGCC GCCACCAATCTTCTAACCCAAGC	293/301	265–317	ATCT	0.84	91.626	D6S2706	GDB:9964475	
M6S213	CAGTTTCGCAACCTGTTTGCC CATCAGCAGTCATTAGGGAAATGC	151/157	137–171	CA	0.87	~ 378	D6S2707	GDB:9964477	
D6S105	GCCCTATAAAATCCTAATTAAC GAAGGAGAATTGTAATTCCG	124-126	114–144	CA	0.82	-	D6S105	GDB:178530	