Supplemental Table 1.
A) Human-specific primers

Name	Forward primer	Reverse primer	Internal primer	A.T. (˚C)
Hsa01_11	TCCCTGCCTTTTAGGACTCA	TTTCTTTGTACTGGGGATGAAGA	AACCAACCCAAATGTCCAAC	60˚C
Hsa01_21	TTCTGGGAGCCTCAGCTTTA	TGAACAGTCGCTGTGTTTCA	CGCAACCTACTCCTCTGACA	60˚C
Hsa01_27	GCAACATGTCTTAGATGAAGCAA	TTTGTCCTTCTCACCAGCAA		60˚C
Hsa01_29	TGCAAAGCAAAAATCCTTGA	GCAAAGCAAGGCAGGTATGT	TGCTTTTGGTGTTTTGGACA	60˚C
Hsa01_30	ATTCCCCTCATCCACCAATA	GGATATGTGGGGTCGAACTG	GGGACATGGATGAAATTGGA	60˚C
Hsa01_31	CCATATGTTTGAGACTGGGAGAG	GCCAGAGTTGTTCAGAAACCTT		55˚C
Hsa01_40	TTTCTGGGAAGGTCTTGTTTG	TAGAGGCTTTTGTGGGCATT		60˚C
Hsa01_44	TTCCACATTGGTCATGGTGA	CCATCCCTAGAGACCGAACA	TGACACGTTAGTGGGTGCAG	60˚C
Hsa01_60	CTTGAGCAAAGCAATCCACA	CCTCCATGCCCAGTAGAGAA		60˚C
Hsa01_77	TGCTGGGTTGCCTTTAGTTC	TCTGAGACTTGGGCTCCACT		60˚C
Hsa01_88	GCAAAAGCAGAATCCAGGTC	TCATGAAGTAGCCAGGCAGA		60˚C
Hsa01_91	TGGAATAATGGCAAGGAAGC	CGGGGTAAGGTAGGGTTGTT		60˚C
Hsa01_97	TCTGGGAGCAAACCAAGAGT	ATTTCAGCTGATTGGGGTTG	ACCCATGAGCATGGAATGTT	60˚C
Hsa01_98	AAAGGCCTGGGGAGTTTTTA	TGCACATTTGTACTCATTGACC	ACACTCTGGGGACTGTGGTG	60˚C
Hsa01_104	AGTTCAGCCTTGCACAGTCA	CCTCATCCTCCCTTTCCTTC		60˚C
Hsa01_106	ATTGCCCATGGACCAGTTAC	AATGCCTCAAAGGCAGTTCT	CACAGGAAGGGGAATATCACA	60˚C
Hsa01_113	GCAGGGCTGGGTTCTAAAAT	TGGGATTGTCCACATCACAC		60˚C
Hsa01_117	AAACCCAGGCAAGGCTATTT	CCATGAGGTAGGAGGCAAAA	AGGGACATGGATGAAATTGG	60˚C
Hsa01_118	TTTAGACAAAGCTGCATGAAACC	GGTTAAGCTTTTAAGCAAGTTGTTATT		60˚C
Hsa21_1834	TGTCATGGACTCACCCAAAA	CTGTGAAGTCCCTGGTGGTT		60˚C
Hsa21_1837	TCAGTGAGGAGGCCCATTAT	CTCAAAAGCAGTGCACCAAA	CTCAGATGGCAATGCAGAAA	60˚C
Hsa21_1839	CCAAGCAAGAGCTGGAGTTT	TTTCTCTCCTTTCCCCTGCT		60˚C
Hsa21_1840	CTTGCACAGCTGAGAAGCAG	ACATGGCTTCTCCCCTTTCT	CATTCTAACCGGTGTGAGATGAT	60˚C
Hsa21_1841	AAATCCCCTTCCATACATCTCA	GAGCAAAGTTGAGAAACTCCAA		60˚C
Hsa21_1843	CTGGCTGCATGAATGAAAAA	CTCGTGACCTCAGGTGATCC	GGAACAGAACAGAGCCCTCA	60˚C
Hsa21_1844	TCCCACATGTGAGCTTAGGTT	GAGATGATGGTGTGGGAAATG	TGACGAGTTAGTGGGTGCAG	60˚C
Hsa21_1847	TGACTGAAGCTCAGTGAATGC	CCTTGAAGAGGGAAGGTAGGA		60˚C
Hsa21_1850	AAATTCCACATTTTTGCTTCTGA	AACTTGGCCCCTCAGTCTCT		60˚C
Hsa21_1851	TCCAAAAATTGGGGGAAAA	AGGGCCTGCTGTTTTATCAC	CTCAAAGCCGCTCAACTACC	60˚C
Hsa21_1852	GCCTGCAGAGACTGGTAAGG	CCTGTGAATAAGCTCCAGTGC		60˚C
Hsa21_1853	TGCTTATTTGAAACTGAGCCATA	GGGTCATGAGCAAATGGAAT		60˚C

L1PA3-1A

HS_64	CCCTAGCTATCAGAAATTTTGACTCTT	TGTTTCCTGCTTGGAATAAAGG		60
HS_740	TGCTGTCTAGTGTGCAGTGAAA	AGCTGTTACAATCCAGCCTCAT		60
HS_1755	TCAGGTAATCCCCATATCTGAA	GATTATGTGCATGCTTCACACC	GGGTGTCAATTTTGGATCTTTC	60
HS_1138	TGAATTTTCTCCAGAGGAGGAG	GGGCTTCATCTCTTTCCTTTTC		60
HS_156	GTCCAAAATGGAATGCTTTGTC	TAGGGGCACTAAGCACAGATG	AAGCTACCAATGCCTTTCTTCA	60/55
HS_655	CCATTTTAGTGTACTCAGGAGTGGT	CGGCAGTGTTTAGATAGTCAGAAAA	CCAGTTTTTGCCCATTGAGTAT	55/60
HS_1347	CTGGTGTGGAAGGCAATTAAA	GTCACGGTTGCATTGATTTTAG		55
HS_1313	AGCCTAGAAACTGCTTTATATCCA	TTCACATGCTGGCTTTTCTTTA	TCTTTGAAGCATTTGTGAATGG	60
HS_1592	CAAATTTCTGGGCTGTCTTCTC	AAGTGAGGGTCTCATGCATTTT		55
L1PA3-1B				
HS_868	GGCCTTGAGGTAAAATACTCCA	TTTTGTATTTCCCACAGTATCCA		55
HS_1214	GTTTTTAAGGGTGGTGTACTTGGT	CACAGTTGCAATTCCATTGTTT		55
HS_1346	GCTTACCCTCTCCTGACCCTAT	CAGGACCACACAAAAACAGCTA	TGGCTCTCTGTTTGTCTGTTGT	55/60
HS_1587	GAGGTCACAGCAGGTACTTAGGA	AGAGAGCTCTGCAGTAGGCAGT	GAGTGACCCAATTTTCCAGGT	55/62
HS_1841	AAATCCCCTTCCATACATCTCA	GAGCAAAGTTGAGAAACTCCAA		60
HS_213	TTGGTTCATCCCATATGATGTC	CACACTGTTAGTTGCCTCATCA	TGGATCCCTTCCTTACACCTTA	55
HS_1047	TCGGGGCTCTTATAACAGATTG	CGATGATATCAAAGGATGCAGA		55
HS_1730	TCAAAGGATTTGAAAAATATGCT	TCTTGGTTCAATTTATGCTGTG	TTGTCAATTTTGGCTTCTGTTG	55
HS_845	TGGTTGATGAAGAAAAACCTTG	CAGGTTATAATGCTGCCCTTTC	GTTTGATCTCAGACTGCTGTGC	60/55
HS_880	TGCTTGCCATCTTATTTTCTCA	GGGGAAGGTAGAGGTAAATCACT	GGACATGGATGAAATTGGAAAT	60
L1PA2-1A				
HS_235	TGGTAGCTGTGTGTATGGGAAG	CCTTCTAAAACAGGGCACAATC		60
HS_511	AGTGCCAAATGCCAGTAGAAAT	GCACCCAGCCTGAAAGTATTTA	GAACTCCCATTCACAATTGCTT	60
HS_814	AGCTCCTACGAAAAGCACAGAG	GACCACCAGCTGAAGGTGTATT	CCATTCACAATTGCTTCAAAGA	60
HS_835	TGCCTATTCCTAATGGGGTATG	GGCCTGTTTAGCTTTACTGAGG	ATGAAGCTTAGTTTGGCTGGAT	55
HS_1362	TGAAAAGAAAGAGGCATCAACA	GTCACCTACCTGCATTCCTCTC		55
HS_1561	TCCTCTCTCCTTGCATGTATCA	TAGATGCTGGGTTGTGTGTTAGA		55
HS_1637	AATTTAGAGCTGCAGCATAGCA	GGTATCCCTGATATCATTCAAGACTTA	CCATTCACAATTGCTTCAAAGA	60
HS_1317	CAGCTGGCTGTAAAAACATGAA	ATCTGTTCAATCCACACGTCTT	GAGGGAATCCTCCCTAACTCAT	60
HS_1131	ACATGTCTGGTCAGTTGGTGTC	AAGTTTAACGCACTGTGTTCCTC		60
HS_1196	GCAGACATTTCTCAGCTCCATT	GCCAGCTTTTGGTGAAGAATTA		60
L1PA2-1B				
HS_269	ATGGAGAGAAAAGGTCTGATGG	GGGAGGTGGTTGTTGTAACTTT		55
HS_416	TGACGTGAACCCACAGATAGAG	TGAAAGGGGAGAACTTTTGCTA	TGTGGGATATAGTCTCGTGGTG	55/60
HS_541	TTCCAGCCTTTAAGAAAGTGAA	GCCAACGTCACAGCAAATAAT		55
HS_468	TCAAGAATGCTGGAAAAAGAGA	TGTCTTTTCATCACAAAAATAACCA		55

HS_761	GAAGAAGGCTGACAGTGGCTAT	TACAATCTTGGCTGTGTGGAAG		60
HS_812	TACAGAGCAAAGGAATCTGCAA	TTGGTTAAAATGGTGAAACACG		55
HS_921	TTCTCATTCAGATGCAAGAACC	CCAGCTACTGAACGTCATTTCTT		60
HS_1004	CATGATCCCTTTTATGGAGTGC	TAAATCATTTTGCCTTGCCTTC	TACCTCAGATGGAAATGCAGAA	60
HS_1308	AACTTAGCTCTTGGGTTTGCTG	CTAGACTCCCTTCCTCAAAGCA	TGTGGGATATAGTCTCGTGGTG	60
L1PA2-1C				
HS_981	TGAAAACATGCTGTTCCAACTT	TGTTGTTGCAGCTGAAAATGAT	CAAGTCAATCCTAGGCCAAAAG	55/60
HS_205	GTGTACAATGGAAGGTGCTGAA	TGAGAAGTGTCTGCTCATGTCC	GGAGCCTTGTTAGGGCTTTTTA	60/55
HS_343	CCAAATGAACCTCACCTTTCA	TGAACTCTGTAAGGAATGACTGG	GCACTCCCTAGTGAGATGAACC	60
HS_646	TTGGCTGCAGATAGCACTTTAC	CCAGTTATTTCTGCAACGTGT	AGCTACCAATGCCTTTCTTCAC	60
HS_904	AGTTAGCAAAGATCGCAGGTTC	CGTGTTCTCTTGTGACTGTCTG	TTGCTGTGCAGAAGCTCTTTAG	55/60
HS_1202	AGCCTCAGCTCTCAGTCACTCT	TCTCCATTTCGTCAAGTGTCAG	TCCTTCAGCAAAGTCTCAGGAT	60
HS_1485	ATGCTCCTCTACTGTGGGATGT	CTTTTCCCCTTTCTGAAAAGTC	ATTTCCTTGAGCAGTGGTTTGT	60
HS_1669	AAATATGGAGCCAATCACTGGT	CAGACTAGAGGAAAGGGAGATGAG		60
HS_731	TTTCCCAAAGCCTTAATTTCTG	TCAAGGCCCTATTTAGAGAAAGAA		55
L1PA2-1D				
HS_664	TGGGTTGGCACTTTTAGATACC	AACAGTCCCTGCAAATTGACTT		60
HS_613	TGGATGTCCATATACAGAGGAATG	CAGTGCTTTTGAGGTCTTAGCC	TGGGGTGGAGAGTTCTGTAGAT	60
HS_716	TGCTCTAGGTAGTGTTGGGACA	TTGTAAAGTTAAGCCAAATTGAGG		55
HS_989	TTAAGCAAGTTCAAGGCAGACA	ACTGAGCATTCAGGGACTCATT	GCAGGAAAGATCCAAAATTGAC	55
HS_1368	GGTGTAAGCCAAAGGATGAAAT	CCACAGCCTGTTCAATGTTCTA	AGTGACACGATTTTCCAGGTGT	55/60
HS_1428	TATTTAGTGGCCCAAGAATTGC	TTTTCATCATTGACTGGTGTGG	GTTTGATCTCAGACTGCTGTGC	60
L1PA2-1Da				
HS_382	AACAGTTCTCTTAGACACAGCTGATTA	TGTCTTTATACCTTGGCAGCAT		60
HS_988	TTCTTGGTCTTTTTGTGGGAAT	ATTTGAAACTCAGGGGAAAGGT		60
HS_1690	GACTGATAAAGCTGCCCTGTTC	TCAAGTCACTTTCCCTCTAGGC		60
HS_1807	TGGGCTAGCTATAGTGAAAGATGA	GCAAGTAGAGTCAGCCAGACAG		55
HS_484	TGAATTCTTGCTGACCTCTTCA	TGTTGACAGTGGGGTGTTAAAG	TGATGGGAAGTGATTGGATCAT	55
HS_226	TGGGCTAGCTATAGTGAAAGATGA	GCAAGTAGAGTCAGCCAGACAG		60
HS_607	CCTGTAGGACAAACAAACACCA	TGCATCTGTCTATGTGTAAGAAGAAA	GTTTGATCTCAGACTGCTGTGC	55/60
HS_896	TTTAGCTGGCTTCATCTGCTTT	CATACATCAAGCCAGAAGGTGA		55
HS_526	CTACCCAGCCTTCTACCTCCTT	ATCATTCGAAGAAATGAGAGGA		55
L1PA2-1E				
HS_31	CCATATGTTTGAGACTGGGAGAG	GCCAGAGTTGTTCAGAAACCTT		55
HS_166	ATATTATGCCATCCCAAGCACT	GATTGGCAACAACTAAACTGGA		60

HS_195	CAATGCACCTGAGCTACTTCTG	AGAATCAGGGGGCTTTAACATT		55
HS_616	ATTATCTCCATTGGATGAAGTCC	CATTGTTTGAACTCTCAGTATCCA	AGCTTTGAAGAGAGCAGTGGTT	60
HS_771	CTCCATCTCTCCAATCCTGAAC	ACCTCTAATAACAAGTTTCCTTTCACA	CTGGAGGCATCACACTACCTG	55
HS_847	GTACAAACCAACCAGATCCTCA	CTCATTCTCCATACCCCACAAT	CATGCTCATGGGTAGGAAGAAT	60
HS_873	TCTTTCTACGATAAGAATCTATGATGG	TCATTCATTGCTTTTCATGCTC	CACTTGATCATGGTGGATAAGC	60
HS_1741	ATTGCACAGGCATAGACTGGT	TCTCAGGGAAAAAGATTTCACA	AGCACCTGTTGTTTCCTGACTT	55/60
HS_1276	TCCTGCTCATCAATTGTTTGTC	AAATCCCTTAGAGCTCCTCCTG	AACATACGTGTGCATGTGTCTTTA	55/60
L1HS-1A				
HS_398	CCCTTCTAGGACCACAACACAT	CTTCCCAGGGTCTGTAATGAAG	GTTTGATCTCAGACTGCTGTGC	60
HS_452	CCATTTCTCCAAATGAAATAGTCA	TCCTATTCTGGTCACCTTTCCT	TGTGGGATATAGTCTCGTGGTG	60
HS_529	GACCCACAACCTACCAAATTAAC	GCATGAGAGCCAAAATATGAAA	GCACTCCCTAGTGAGATGAACC	60
HS_657	GTGTTTCTAGTGCCTGGGTAGC	AGTTAAGATGCAGCTGGGCAAG	GCACTCCCTAGTGAGATGAACC	60
HS_1169	TGGTGGATGAATTCTAAATGAGC	TGCAGAGATAACCCTCAAAAGG	TCTAACAGACAGGACCCTCAGC	55
HS_1020	AGAGTTTAGAGTCTGGATTGGAGA	GAATCCTGCCCTTGTATGTTTA		55
L1HS-1B				
HS_623	CATAGGAGGCCAAAGAAACATC	GGGGACTGATGCAGAGAACTTA		55
HS_341	CAGTAGAGAAAAATAATTTCCCAAGG	CACCAAGTGGGTAAATATACCATAAA		55
HS_347	AAGGAATGTGGACGGAAGTG	CCCAGTTTTTGTTTGATGCTT	TGGCTCTCTGTTTGTCTGTTGT	55/60
HS_911	AATTTTGTGAGAATTCCAGTCTCT	GCCTAAAAATCCATGAAAGATGA	AGTAACCAAAACAGCATGGTACTG	60
HS_1251	TTGGAAGCTGAAAAAGAAGCTA	TGCATTGTCTCTAACCCATTTT		60

B) Chimpanzee-specific primers

Name	Forward primer	Reverse primer	Internal primer	A.T. (˚C)
Ptr01_02	TATGGATCACAGTGTTGGGGTA	ATAGCATGTCCCATCCCATT		60˚C
Ptr01_10	TTACCTTCTCCAAGGCCAGA	GGAGCTCCTAAAACCCAAGC		60˚C
Ptr01_13	ATTTCCCCTCAGGCACCTAT	CCTGGATGGTCAGGTGATTT	TGACGAGTTAGTGGGTGCAG	60˚C
Ptr01_18	GATTCTGCATATTTCTTCATGCAC	TGTTGTGTTTAAGGGCTTTGTG		60˚C
Ptr01_26	CAGCGGTGATTCTCATCTCA	TAGGCAAGGACAAGGCATCT		60˚C
Ptr01_33	TCAGGCTAGCTGATCCAAAA	TGCTAAGAAAGTTGCTCCTCAA		60˚C
Ptr01_35	AGCTCCAGGCTATGGCAGTA	CTTCTGTTTTTGGAATGTCAGC		60˚C
Ptr01_36	AGCCCTAAGATGTGCTTTGC	CAGGTGCCCTTCCTCATAGA		60˚C
Ptr01_40	AAGGCAGATGTGGTGTAGGG	ACTACCTGGAGTTGCCATGC		60˚C
Ptr01_43	TTGGAAGGCTAATGTGTCAGA	AAGGATTTAAACAGTCCGCCTA		60˚C
Ptr01_48	GTTGTTGCTCAGGCAGCTAA	CAGGTTTGCATGTATGGTTCA		60˚C
Ptr01_53	TTGCAACAAACTGGCAATTC	TTTGTCCAAAGTGCCTAGCAT	TGACGAGTTAGTGGGTGCAG	60˚C

Ptr01_55	GCCTAACAATTGGCGATCTT	GAGAAACCAATGCATGACGA		60˚C
Ptr01_66	GGGAGTGGTGACTGTTTTTCTC	ACTCCTAGGAAAAAGCCGAAGT	TCACCCCTTTCTTTGACTCG	60˚C
Ptr01_71	TGAATTCAGAAGGGGTTGCT	CAGTTAGGCCAGGTGAGAGG		60˚C
Ptr01_75	AAACGTTGCACTGCCATTTA	TGTGGTGCAATTGAATACGC		60˚C
Ptr01_81	TTGCTCCTGTCCTTTGTGGT	AGAAAGAGCTGGCTGTTCAAA	TGTGCACATGTACCCTAAAACTT	60˚C
Ptr01_88	AGGTGGCGTCACAGACCTAT	GATGAGGGGAAAACAGTGGA		60˚C
Ptr01_89	GAGACAAGGAGGGCAAAGGT	TTTTTCTCCTAACTGGGCTGT		60˚C
Ptr01_91	TAAAGGGAAGCCTGAGGACA	AGGCTTTGACAGGTGCTCTG		60˚C
Ptr22_1148	TCAACATCAACTTTATTTACACAGTCA	TGCAGCTTTGGATTCATTGT	TATGGCCGCATAGTATTCCA	59˚C
Ptr22_1152	GCATGGGAATATGGCATCTG	CTCCTCTGTCTGCCAGAACC		60˚C
Ptr22_1153	TCACATTTCTCTCAAGCATGAAC	GCAGGTGGGTATTGTTTCAGTA		60˚C
Ptr22_1154	CCTGTCCTTTAAGAAAAAGGCTA	CTTTAGATCTGTGAACCACACTTG		58˚C
Ptr22_1155	CAGCCCCATATGCTTTGTTT	CACTTCTACCTTGGGTCCTCA	AGTCAGTGTGGCGATTCCTC	60˚C
Ptr22_1156	GCACAAGGCCCATTCTTATG	GAGAAGCAGGAAGCAGCAAG	TGACGAGTTAGTGGGTGCAG	60˚C
Ptr22_1159	ATGGAAATTTCAGCTTCAATGC	CCAGTATTTTTGGTCTGCTTCC		60˚C
Ptr22_1159	CAGATAGAAAAGCAAAAGAACACA	TTCCTGTCCTCTGTCATCACC	TTGTGAATAATGCCGCAATAAA	59˚C
Ptr22_1160	ACGTGCACACACACACACAC	GATGGAATGGTTGTTCCATGT	TGTGGCACTATTCACAATAGCA	60˚C
Ptr22_1161	CACAGCTGGAGGAGGTAGAAAG	AGAACAGCTGAGGGAAAACTTG		60˚C
Ptr22_1162	TGCCCATAAGGCTTGGTATG	ATTCTCAGTTTGGCCAAGGA	TGAGAATATGCGGTGTTTGG	60˚C
L1PA3-1A				
CS_190	GACAGTGCTGAGATGGAGAAGA	AACTAAAGTTTGTTCGGGGTTG	AACTAAAGTTTGTTCGGGGTTG	55/60
CS_345	TGGAAGCACCACAATTATATGG	GAGAAACAGTTCTTCCTGCACA		55
CS_778	GTGCAGTTCAAAGAATCTCAGG	TGGCCTAACAACATTTTAAAAGATAA		55
CS_401	GCAATTCAGAGGACATATGAGG	CACTGTTGCAATCTACCTCCAG	GGGATCCAGTTTCAGCTTTCTA	60
CS_650	ACCCTACCCAGATTTTCAGGAT	GTTGCAGGGTAGAAACAAAGGT		55
CS_572	TAAGCAGGAGGTAGGTGAGAGC	TAAATCTCACTCAGAAAAGCATGG		60
CS_1	TTTGCTAAATTTCATGACTAGGCTAA	TGAGAGAGAAAAGGCTATTTGCTT	CCATTGCTTTTGGTGTTTTAGA	60
L1PA3-1B				
CS_438	TGGTAATACTCAAGTTTCAGTCCAA	GCCCTGTCATCTTGTGACATT	GACACGTGCACACGTATGTT	60
CS_644	TGAGGACAATTTTCAAAGCACT	GAAGCAAAGTTAATTGTGGAACC		60
CS_859	TCAACAAGTTGAGCAAGATCGTA	CAGCATTTTACTGTGTTCAGCA	GTTAGTAGCTTGATGGGGATGG	55
CS_327	CAGCAGGTGGAGCTGTTTCTA	GATATATTTGAAAAGGGCCTTCC		60
L1PA2-1A				
CS_195	TTCCTGCTCTGTTTGCTATTCA	AATAATTCATCCGGTCTTCAGG		55
CS_201	GCTTTGTTTTTCAAGCATGTCC	TTATCCCCTTCCATTAATCACA	TCTGGCTGCATAAATGTCTTCT	55/60

CS_216	GGCAGTTCTCTATATTTCCACATTT	CAGGCAAATCAGTGTGAATCAT		60
CS_917	TACTGAAGCTGTCCTCCTCTCC	TGCATATCATTGCTCTTGCTTT		55
CS_1078	CCACACAGAAATACACTGCACA	TTTGCCCAGTACTTACAGATGG		60
CS_1093	CATGTAGCTTGGGCATTGAGTA	CCTCTGGGAGTTTGAAAGACAG	AATACTGGCAAAACGAATCCAG	60
CS_727	CTATTGGCAAAGCCAAACAGA	TGGCCTCTGTCACACATTTTAC	GAAGGGGAATATCACACTCTGC	60/55
CS_943	GGTTCTGGCGTAGAGTAAGGTC	TTGCTTATCCTTGTCACCACAG		55
L1PA2-1B				
CS_366	TGGCTGGATTCATTCAAATTTAC	TCTCATGGCCATTGAAAAATTC	TGCTGAGGAGAGCTTTACTTCC	60
CS_783	GGACAAGAATCTGAGACCATACTTT	TTATACTTGGTGGCTTCTTGTG	GTTGGAGTTCATTGTAGATTCTGG	60
CS_789	TTGACTGTATATCTTTCCAGGATTTG	GGAAACAGATACGGGGATAAAA	TGAGTGAACTCCCATTCACAAT	55/60
CS_801	TTCTTGTTTCTCCTCTGAAGCA	TAAATTCCAGGCCCATAAATCA	TTGGCTCTGTTTATATGCTGGA	55
CS_1056	ACTAGCACATGGGAAAGGTGAT	CATAGGAAACTGTGTAACCAAAGG	TCCAGAATCTACAATGAACTCCAA	55/60
CS_207	TTTCTCCCCGTAATGTTCAGTT	TCAAATCCCAAAAGTGACAAAA		55
CS_458	AAGCACAATTTCAGAAGCACAA	GCTTCATTCACACAAACCATTT		55
CS_1033	GCACTGTGATAGAATGCAAGGA	TGTTCAAACTGCCTCAACTCAT		55
L1PA2-1C				60
CS_1014	ATCAAAGGGACCTGTAAGACGA	AAATAATGATCCCAAGCCCTCT		60
CS_961	CTTGTGCCCTAATTCTTTGACC	AAGTAAGCTCACCTGGAACAGC		55
CS_119	TTTCTGCCTTATGTTTTGGGTA	TTCCCTATTTTTCCATCGATCT		
L1PA2-1D				
CS_168	GAAAAGTCTTGCTCCCTTCTGA	TGCAGGTATAGCAAAGAAAATCA	AACAGAGCCCTCAGAAATAACG	55/60
CS_800	TGTCTCAAAGGTAGCATTTTTCA	TCAGTCCATGTTTCCAATTCAG	CTAGTTTACAGTCCCACCAACAGT	55/60
CS_1024	TTCAAAAGATAAGCACCGAAGA	ACATGGGTACATGGGTGTCTTT		55
CS_66	GGGAGTGGTGACTGTTTTTCTC	ACTCCTAGGAAAAAGCCGAAGT	TCACCCCTTTCTTTGACTCG	60
L1PA2-1E				
CS_156	TCCTCTAATCTGTGGAGATATGAAA	GGCACCAATTTTTCTTCAGC		55
CS_283	GAGGGTGATGAAATTATAGATAAGTGA	GGTGGTTTTGTTTGTTTGTGTG		60
CS_798	GAGCTCCCTCCCCAGTAAAA	CACACCCCTGGTAACTGCTT		60
CS_963	CCCTTTCCCCAAATAAGACA	TTGTTTTTCTGGCTTCAGCA		55
CS_1109	GAAGGGCAAGGTTGACAAGA	GAACATGTGGCCATTCACTG		55
CS_118	TTGCAAGAAGAGAAAATAAACTTGAA	GGGAAGTTGGCCTAAAGGAG		55
CS_344	TGAAACTTTTGACAGCATGTAGA	CATTTCACCTCTCTCCGTTTG	AACAGGTGCTGGAGAGGATG	55/60
CS_442	TGCATACACCAAGTGATCTGG	AACATCTAAAAAGCATACAACTGAAAA		60
CS_230	GGCCCCGTGGAATATAACTT	CACAGACAGCCTAGGCACAG	CCCACAAGAGAAAGCAGGAA	60
CS_389	AGTTCCCCAACACCTGGAAT	TGATTTCAGCTTTTATTTTAGGTTCA	AACAAAGCTGGAGGCATCAC	55/60

L1CS-1A				
CS_402	TACTCCCTTCCATCTTGCATTT	CAGGTTTGTTTCTTCAAGATTAACA		55
CS_472	GACCAAGGTATTTCTGCTCCTG	TGAGAAAGGAGCTTGGGAGATA		60
CS_957	GGCAAGGACTTTTAGAGCACAG	CTGCAAGTGTCCACCAGAGTTA		60
CS_143	TAAATCCCAGCCACTGATTTTT	TGCTTGTTGGTCATATGAGTCC		55
CS_1099	TCAGTAGACCCCAATTTGAAGC	AAGAACCATCCTTGTGGATTTG	CTGCACAGCAAAAGAAACTACC	60
CS_932	CCACAAAACTGCAATATCCAAA	GAATAGATACATGTGTCAAGATCCA	TTTTACACTGTTGGTGGGACTG	60
L1CS-1B				
CS_339	ATGTTCTTTTCATGGCAGACAG	TCAAAGGCAATAATCACTTCACC		60
CS_399	TCACAGTAAGCTAAAGCAATCACA	CGTTCAAAGGACCTGGATATAGA		60
CS_1085	CCCTTGCACTTAGCAATTACCT	TTGCTCAGTAAATGAAGGTGAAATA	TGCCTGTTCACTCTGATGGTAG	57/60
CS_421	GAAGGCAGATAAGGGGATTCAG	GGCATGTCTCATTTACATTCTCA		60
CS_653	AGTCCTACAGCCCAAACTGC	GTCACTTCCAGGCACTCTTTCT		60
CS_440	TCAACAAGTAGGAGGTGAATCG	CCTTTTGCGATTTCTTCAACTC		55
L1CS-2 lineage				
CS_834	TTTGGCTGAAGTCATTTCTACAAG	CCTGTCTTTAACCTTGCCTAACA	CAGTAACCAAAACAGCATGGTACT	60
CS_272	ATACTGCAAATGCTCAACAACG	ATGATGGTGACATTGACTGAGG	CTGTTGGTGGGACTGTCAACTA	60
CS_848	TGTGAAAGATTTAGTAGCTTGAGAAC	CATGTATGTCAATATAGCAACTACCA	GTTTGATCTCAGACTGCTGTGC	55
CS_709	TGGACATCTTTTGAGAGGGTTT	ATAGGTTTGTGGGATTGTTGCT		55

***** F+I: Forward primer and Internal primer, I+R: Internal primer and Reverse primer

C) Full-length CS L1 primers

Name	Forward primer	Reverse primer	A.T. (˚C)
L1. 56 L1PA2-1E	AAGGAACAGTCAGCAGAATAAACAG	GATGTAGGCAGTAACTTGGTAGGG	60
L1.304 L1CS-1B	TGAGGCAACAGAGCTAAGAAATCTA	CCTGTCTAATCAACTACAAGAGGTCA	60
L1.509 L1CS-1B	CTGGAAATCAAATTCTTCTCTCTCC	CACCTTTGACTGATCTTTAGGGTTA	60
L1.790 L1PA2-1E	CCTTTTAAGAGCCAGGACAGAATA	CTTCAAGGTAATGGCATAGTCAAC	60
L1.848 L1CS-2B	GATGTTTGGAGAACATATAgCTGTG	TATTGACCTATGGAGGCCATTTAG	60

L1 (-)	L1 (+)	Primer pair*
403	489	F+I
356	494	F+I
107	835	
162	448	F+I
178	415	F+I
1342	388	
184	641	
335	395	F+I
269	968	
191	497	
508	1004	
772	883	
220	173	F+I
515	480	F+I
201	461	
706	449	F+I
167	499	
398	358	
382	500	
240	1090	
224	188	
204	876	
879	880	
2249	154	
162	213	
870	919	I+R
242	509	
194	745	
454	145	F+I
167	296	
196	1056	

134	1108	
177	2617	
215	547	F+I
631	1585	
630	716	F+I
471	701	F+I
156	2167	
168	578	F+I
999	1952	
272	1565	
541	1958	
204	638	F+I
163	330	F+I
154	2249	
433	298	F+I
257	1364	
196	529	F+I
357	637	F+I
1324	720	I+R
200	1103	
154	395	F+I
314	570	F+I
115	767	F+I
169	1328	
686	1661	
283	392	F+I
207	487	F+I
198	1593	
211	1452	
167	2102	
177	425	F+I
195	1677	
148	1535	

473	1596	
193	1542	
158	1554	
120	168	F+I
225	529	F+I
186	401	F+I
214	403	F+I
202	286	F+I
229	398	F+I
366	548	F+I
208	648	F+I
211	596	F+I
164	2080	
273	1287	
174	1770	
188	475	F+I
192	1181	
118	620	F+I
193	371	F+I
350	486	F+I
187	1582	
130	1430	
792	1995	
248	3038	
366	461	F+I
276	1505	
141	516	F+I
149	1288	
164	1352	
388	1342	
380	1395	

167	1539	
280	474	F+I
152	627	F+I
294	619	F+I
133	552	F+I
494	424	F+I
114	573	F+I
124	459	F+I
329	385	F+I
940	988	F+I
1034	1114	F+I
155	546	F+I
587	1546	
105	2059	
275	1445	
239	488	F+I
131	595	F+I
816	2173	

L1 (-)	L1 (+)	Primer pair*
173	401	
299	458	
147	158	F+I
670	984	
296	732	
153	488	
169	675	
276	580	
342	797	
183	458	
423	943	
393	238	F+I

404	795	
179	354	F+I
342	467	
209	575	
230	245	I+R
184	329	
796	909	
381	582	
168	157	F+I
146	827	
160	547	
540	972	
167	209	F+I
159	209	F+I
183	717	
98	533	I+R
533	497	F+I
143	584	
157	230	F+I

649	764	F+I
178	1167	
446	1389	
1748	1044	F+I
161	2483	
151	1542	
445	705	F+I
213	629	I+R
117	1502	
224	508	F+I
137	1891	
184	1512	
220	517	F+I

116	1655	
103	1522	
167	1706	
283	626	F+I
147	255	I+R
200	1166	
91	293	F+I
105	510	F+I
253	453	F+I
212	468	F+I
482	545	F+I
121	1294	
179	1138	
176	2577	
120	1954	
748	2675	
223	1232	
268	278	F+I
277	482	F+I
280	1415	
179	354	F+I
136	1234	
316	612	
282	1288	
222	1393	
1333	2411	
169	1296	
455	240	F+I
189	1282	
321	229	F+I
634	225	F+I

671	1956	
236	1167	
185	1921	
121	1562	
188	302	F+I
766	459	F+I
160	1543	
295	2150	
222/367	636/491	F+I
679	1732	
437	1579	
207	1356	
208	501	F+I
164	389	F+I
232	449	F+I
166	2169	

L1 (-)	L1 (+)
1168	7224
884	6966
413	6781
672	6709
141	6172