

Additional file 10. List of primer sequences used for amplifying solo LTR and provirus alleles shown in Figure 3

HERV_allele	Forward Primer (5' to 3')	Reverse Primer (5' to 3')	AT(°C)/ ET (sec)
18q21.1_W2_solo	GAGTGCACCTGTTAGGCTATTT	TCTCCCTCACCTGCTTCTATC	52/60
18q21.1_W2_env	GAGTGCACCTGTTAGGCTATTT	GCCCATGCTCCAATGTTAATG	51/60
18q21.1_W2_gag	GGACAGGTGCCTGGTAATTT	TCTCCCTCACCTGCTTCTAT	52.8/60
4q22.1_H8_solo	ACACTTAGAAGACCTCCATCTTAAT	TTGCCTGCATACACAATTCTTC	50.8/55
4q22.1_H8_env	CTTCAGCTTAATCTCTCCCACTC	GACATGGAGCACCTGGAAA	51.7/50
5p15.31_H2_env	CTTCAGCTTAATCTCTCCCACTC	CCCTTTATTTCTAGTAAGGCTTGTTG	51.6/51
2q34_H4_solo	GCAATAGTGATCTCGGGTCAAA	CTTGTTCCAATGACGACCTGTA	51.8/70
2q34_H4_env	AGACACCAGACCGACTTAGA	CTCCCTGACCACGTGATTATT	51.7/90
3p14.3_H1_solo	CCCTCACTTAGCTTCGTATTCTC	GGTCTCCCTGACTATGGTTTC	51.7/45
3p14.3_H1_gag	CTTCCCTCACTTAGCTTCGTATT	GAGATGTTTCTTGGGCTGGT	51.7/45
5p13.3_K2_solo*	CTGGGATGCAAGTCTTGTTTA	TGTATTCTGCCATTACATTTTC	60.2/135
5p13.3_K2_env*	TGCAGGTGTAACCAACAG	TGTATTCTGCCATTACATTTTC	60.2/135

Footnotes: AT- Annealing temperature, ET- Extension time, PCR conditions for *Go Taq* PCR Master mix- Promega: an initial denaturation temperature of 95°C for 2 minutes, followed by 36 cycles of (i) denaturation at 95°C for 30 sec, (ii) annealing at 50-53°C for 30 sec, (iii) extension of 72°C for a minute per kilo base (see ET above) and a final extension of 72°C for 5 minutes. *PCR conditions for *Platinum SuperFI* PCR Master Mix- Thermo Fisher Scientific: an initial denaturation temperature of 98°C for 30 seconds, followed by 35 cycles of (i) denaturation at 98°C for 10 sec, (ii) annealing at 60.2°C for 10 sec, (iii) extension of 72°C for 2 minutes 15 sec and a final extension of 72°C for 5 minutes