

**Supplementary Table S1. Nucleotide sequences of the various primers and oligonucleotide probes**

<i>Description</i>	<i>Sequence</i>
FVIII A3-FP	5'-GTTCCACGCCATCAACGG-3'
FVIII A3-RP	5'-GAGCCCATGGACAGCAGATAC-3'
FVIII A3 probe	5'-CCCGGCCTCGTGATGGCTCA-3'
FVIII C2-FP	5'-CACCCCGTCGTGAATAGC-3'
FVIII C2-RP	5'-TTCCATCCGCAGAGCAATCT
FVIII C2 probe	5'-TGGACCTCCACTGCTGACCAGATACC-3'
Puromycin-FP	5'-GGACCGCCACATCGAGC-3'
Puromycin-RP	5'-CCCGCTTCGACGCT-3'
Puromycin-probe	5'-TCACCGAGCTGCAAGAACTCTTCCTCAC-3'
Oligo#178(+)	5'-GCCGCACACAAAAACCAACACACAGAT-3'
Oligo#4931/5099(+)	5'-AGTATCGGAACACTCGCTCTACGAAATGT-3'
Oligo#189/352(-)	5'-ACATTCGTAGAGCGAGTGTCCGATACT-3'
Oligo#4941(-)	5'-ATCTGTGTGTTGGTTTTTGTGTGCGGC-3'
Oligo#503(+)	5'-GAGGGTCCAGGCTATTCACGACGG-3'
Oligo#4927(+)	5'-ATCTGTGTGACGGCTTCTCCTGGTGAA-3'
Oligo#352(-)	5'-ACATTCGTAGAGCGAGTGTCCGATACT-3'
Oligo#4944(-)	5'-CCGTCGTGAATAGCCTGGACCCCTC-3'
Oligo#5083(-)	5'-TGGGAGTGGCACCTTCCA-3'

(+), (-), Oligo sequences used to detect the plus (+) or (-) strands of vector genomes.