

**Supplemental Table 2. PCR primers and cycling conditions**

Agent	Target gene	Forward primer (5'-3')	Reverse primer (5'-3')	Product size (nt)	AT (°C)	Reference
<b>Viruses</b>						
MuAPBV	NS1	ACAAGAGATTGCGGATTGGC	CTTACCTCCGTCGTCCCAA	247	60-55	This study
MuBV	NS1	ATCTGGTGGGAGGAGTGTC	AACAGTCGACTAGCCAGTCG	298	60-55	This study
MuCPV	NS1	CCACTAATCATGCTCCCTGGC	ACCTTCTGCTGCAGGTAGTGG	317	60-55	This study
MmusPyV-3	VP1	GGTACTGCTACAGGACTGAC	CTTGAAGGGTCAGGAATCCAG	246	60-55	This study
LaDV	Polyprotein-1b	TACCTGTTGAGTGTGGTCC	CCTCAATCAACTGTCTCCC	355	60-55	This study
MHV	Orf1b	GCGTTCTCTTGATAGAGCGC	GAACTACAGACAACGCAGGC	271	60-55	This study
MuAst-1	Orf1b/2	GAAACTCTTGAGCCTGCAGC	CAGTCCGAACAGTTGTTGTC	321	60-55	This study
MuAst-2	Orf1b/2	TCACCTGGAGGCTCTCTGG	CATTATTAGGCTGGACGCGC	238	61-56	This study
MNV	VP1	CACCTCTCAGCCATGTAYAC	AGTGGCGTGTACAGCATGC	287	60-55	This study
MuSaV	VP1	TCAGGGTCTCKGTSTCGG	CCCAGATGCCAAGRGTCTG	225	62-57	This study
MuPiV - M	VP1	CATCCAGGTACAGAGAGCC	GGTGTAGTGGGCATGTACC	342	62-57	This study
MuPiV - Q	VP1	GCCAACTTCATGTGCAAGC	GGTGTGTSGGCATGTACC	371	62-57	This study
MuPiV - K	VP1	GCCAACTTCATGTGCAAGC	GGAGTAGTGGGCATGTACC	371	60-55	This study
MuKoV	Polyprotein-2b	TGACCGCTGACGCAGAGAC	YTTGGCRAGCCAGGTGAGG	269	60-55	This study
MuFAHLV - MQ	Replicase	AAGGARAGTAARTGTGCC	TTTTGCTCCAYGCSGAGAC	349	58-53	This study
MuFAHLV - X	Replicase	AAGGAAAGTAAATGTGCC	TTTTGCTCCACGCAGAGAC	349	57-52	This study
MuRotaV	VP1	TGGGATCAAGCTGCAGTGC	CCTGATAGAGACATGAACGCC	260	60-55	This study
MuFARV	L protein	TCTGGTGAAAGAGGAGGTC	TCCTTCTACTATCCCAGGG	196	60-55	This study
Arenavirus	L segment	AGAATYAGTGAAAGGGARAGYAAATC	CACATCATTGGTCCCCATTTACTRTGATC	395	55	[1]
LCMV	S segment	CGCACAGTGGATCCTAGGC	CWAGRTRCGCYGCAARRGAC	380	64-59	This study
<b>Housekeeping</b>						
GAPDH		TGACGTGCCGCTGGAGAAA	AGTGTAGCCCAAGATGCCCTTCAG	98	60*	[2]
<i>M. musculus</i> mitochondrial d-loop		TGAATTGGAGGACAACCAGT	TTATAAGGCCAGGACCAAAC	1240	58-53	[3]

AT, PCR annealing temperature; AT\* listed as xx-yy indicates touchdown PCR (delta 0.5°C/cycle for 10 cycles);

\*assay performed as a SYBR-green real-time PCR with 60s combined anneal and extension

1. Vieth, S., et al., *RT-PCR assay for detection of Lassa virus and related Old World arenaviruses targeting the L gene*. Trans R Soc Trop Med Hyg, 2007. **101**(12): p. 1253-64.
2. Mamo, S., et al., *Quantitative evaluation and selection of reference genes in mouse oocytes and embryos cultured in vivo and in vitro*. BMC Dev Biol, 2007. **7**: p. 14.
3. Gabriel, S.I., et al., *Of mice and 'convicts': origin of the Australian house mouse, *Mus musculus**. PLoS One, 2011. **6**(12): p. e28622.