

S4 Table. List of primers used in the study.

Primers:

Gene	Forward 5'-3'	Reverse 5'-3'
PB2 Δ _BsaI	GCATGGTCTCGGGGAGCGAAAGCAGGTCA AATATATTCAATATG	GCACGGTCTCGTATTAGTAGAAACAAGGTC GTTTTTAAATAATTTCGACACTA
Myc_PB2_ EcoRV/XhoI	CAGTGCAGGATATCATGGAGAGAATAAAA GAATTACG	GCGACTCGAGTCAAACCTTCTGACTCAATTG TTCTCG
Myc_PB2 Δ _ EcoRV/XhoI	CAGTGCAGGATATCATGGAGAGAATAAAA GAATTACG	GCGACTCGAGTTATAGTTGAACACAGGGG AATTG

Primers used for strand-specific reverse transcription:

Gene	Forward 5'-3'	Reverse 5'-3'
PB2 Δ _vRNA	GGCCGTCATGGTGGCGAATGAGAT GATTCCTGAAAGGAATAGG	
PB2 Δ _cRNA		GCTAGCTTCAGCTAGGCATCAGTAGAA ACAAGGTCGTTTTTAAAT
PB2 Δ _mRNA		CCAGATCGTTCGAGTCGTTTTTTTTTTT TTTTTAAATAAATTCGA

Primers used for quantitative real-time RT-PCR:

Gene	Forward 5'-3'	Reverse 5'-3'
<i>human:</i>		
GAPDH	GCAAATTCCATGGCACCGT	GCCCCACTTGATTTTGGAGG
IFN β	TCTGGCACAACAGGTAGTAGGC	GAGAAGCACAACAGGAG
IP10	GGAACCTCCAGTCTCAGCACCA	AGACATCTCTTCTCACCCCTC
IL-6	TGAGATCTACTCGGCAAACCTAGTG	CTTCGTAGAGAACATAAGTCAGATACC
<i>murine:</i>		
GAPDH	GTCCACCAGCCTGTTGCTGTAG	CCCCTCTTCCACCTTCGATG
IFN β	CGCCTGGATGGTGGTC	AGTCCGCCTCTGATGCTTA
IRF7	GAGACTGGCTATTGGGGGAG	GACCGAAATGCTTCCAGGG
Mx1	GATCCGACTTCACTTCCAGATGG	CATCTCAGTGGTAGTCAACCC
OAS-1	GTCAATGTCGTGTGTGATTTCT	CTCCCCGTCGGTTAACTGA
<i>canine:</i>		
GAPDH	GCCAACATCAAATGGGGTGATGC	AGAGATGATGACCCTCTTGG
<i>influenza A virus:</i>		
M1	AGATGAGTCTTCTAACCGAGGTCG	TGCAAAAACATCTTCAAGTCTCTG
PB2	ACCGGAGCAGAGCAGAATG	CTGTTAATGCACCTGCGTCCT
PB2 Δ	GGACCATATGGCCATAATCAAG	GAGTATTCTCATTCTATTCTTTTCAG
PB2 Δ _vRNA	GGCCGTCATGGTGGCGAAT	GTCCTTTCCAAGAACGGTAAG
PB2 Δ _cRNA	GATGATTCTGAAAGGAATAGG	GCTAGCTTCAGCTAGGCATC
PB2 Δ _mRNA	GATGATTCTGAAAGGAATAGG	CCAGATCGTTCGAGTCGT