

**Supplemental information**

**Immunosuppression reduces rAAV2.5T  
neutralizing antibodies that limit efficacy  
following repeat dosing to ferret lungs**

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**Table S1. Sequences of the primers-probes used in the TaqMan real-time PCR assay to detect cytokines in splenocytes**

Cytokine	Primer sequence (5' → 3')	Reference gene accession #
IL2-F	CTACGAAGGAAGCACAGCAA	GenBank: EF368206
IL2-Prb	TGCTGCTGGACTTACAGTTGCTCT	
IL2-R	GCCTTCTTGGGCATGTAGAA	
IL4-F	GTGCTTCAGCAGCTCTCTAC	GenBank: EF492062
IL4-Prb	TGCTCCAACAGATTGCTCAGAGGA	
IL4-R	CAGGTCATGTTTGCCATGTTC	
IL6-F	CAAGTGGCTGAAACACGTAACAA	GenBank: EF368209
IL6-Prb	TCACCTCATCCTACGGAGCCTTG	
IL6-R	GGCTGAACTGCAGGAAATCC	
IFN $\alpha$ -F	GAAGACCTTCCACCTCTTCTG	GenBank: KJ831201
IFN $\alpha$ -Prb	CTCACCTGCTCCTTGGATCACGAC	
IFN $\alpha$ -R	GAAATTCCCGAGCACAATTCC	
IFN $\beta$ -F	GGAGATCCAGAAATCCCAGAAG	GenBank: KJ831215
IFN $\beta$ -Prb	AGGAGGACATCGTATTGGTCACCCT	
IFN $\beta$ -R	CTCATTCCATCCCGTGCTT	
IFN $\gamma$ F	TGGTGGGCCTCTTTTCTTAGATAT	GenBank: KJB3124 <sup>1</sup>
IFN $\gamma$ Prb	TTGAAGAACTGGAGAGAGGAGAGTGAC AAAAAAA	
IFN $\gamma$ R	AGAAGGAGACAATTTGGCTTTGA	
TNF $\alpha$ -F	GCTGACAGACAACCAGCTAATA	Ensembl: ENSMPUT00000011485.1
TNF $\alpha$ -Prb	ACGGGCTGTACCTTATCTACTCGCA	
TNF $\alpha$ -R	GGAGCACATTGGTGAAGAA	
$\beta$ -actin-F	CGGGAAATCGTGCGTGATA	Ensembl: ENSMPIUE00000175031
$\beta$ -actin-Prb	AGCTGTGTTATGTGGCTCTGGACT	
$\beta$ -actin-R	GGCAGCTCATAGCTCTTCTC	

F:forward primer; R:reverse primer; Prb:probe.

1. Carolan LA, Butler J, Rockman S, et al. TaqMan real time RT-PCR assays for detecting ferret innate and adaptive immune responses. *J Virol Methods*. 2014;205:38-52.