

Supplementary Information

Establishment of a simple and efficient reverse genetics system for canine adenoviruses using bacterial artificial chromosomes

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Table S1. Primers used in this study

Primer	Sequence (5' – 3')	Sequence capitalized
pUC19-GalK F	gacgTCTAGAcctgttgacaattaatcatc	restriction enzyme site
Kn-Galk R	ccatcttgttcaatcatGTACAGCCTCCTcagcactgtcctgctccttg	Shine-Dalgarno (SD) sequence
GalK Kn F	AGGAGGCTGTACatgattgaacaagatggattg	Shine-Dalgarno (SD) sequence
pUC19-Kn R	ggtcAAGCTTcagaagaactcgtcaagaag	restriction enzyme site
CAdV1-ITR-GalK F1	GGACAAAGAGGTGTGGCCTAAATGTTGTTTTcctgttgacaattaatcatcg	inverted terminal repeats (ITR) sequence
CAdV1-ITR-GalK R1	GGACAAAGAGGTGTGGCCTAAATGTTGTTTTtcagcactgtcctgctccttg	inverted terminal repeats (ITR) sequence
CAdV2-ITR-GalK F1	GGACAAAGAGGTGTGGCTTAAATTTGGGCGTTcctgttgacaattaatcatcg	inverted terminal repeats (ITR) sequence
CAdV2-ITR-GalK R1	GGACAAAGAGGTGTGGCTTAAATTTGGGCGTTtcagcactgtcctgctccttg	inverted terminal repeats (ITR) sequence
CAdV1-ITR FR2	atctGGATCCTTAATTAACGATCGcatcatcaataatatacaggacaaagaggtgtggcctaaatgttg	restriction enzyme sites
CAdV2-ITR FR2	atctGGATCCGCGGCCGCGATCGcatcatcaataatatacaggacaaagaggtgtggcctaaatgttg	restriction enzyme sites
SL1	cagtccagttacgctggagtc	
SMART BAC 159R	aacctcttacgtccgatcag	
CAdV1 259R	gctccaaggctagaacaataaacc	
CAdV2 300R	acattaggcgtggaggaactg	
CAdV1 30090F	gtctgtgagctccagatgag	
CAdV2 30880F	agaggagagctatgaggatg	
CAdV2-E1-GalK-Kn F	GGTTTTTCGCCACGCCCTTTGGGTAAATTTATTTCCCTATACGCGGCCTTcctgttgacaattaatcatcg	homologous sequence
CAdV2-E1-GalK-Kn R	ATTCTCTGCACAACCCCCCGAGGGGCTGCAATTACACACATTGACAAAGTcagaagaactcgtcaagaagg	homologous sequence
Venus cassette F	ATTCTCTGCACAACCCCCCGAGGGGCTGCAATTACACACATTGACAAAGTgacattgattattgactag	homologous sequence
Venus cassette R	GGTTTTTCGCCACGCCCTTTGGGTAAATTTATTTCCCTATACGCGGCCTTccatagagcccaccgcatcc	homologous sequence
cGAPDH F	cgatggtgaaggtcggagtg	
cGAPDH R	actggaacatgtacacatgtagtt	
CAdV2-E1A F	agagctactggaagagtggc	
CAdV2-E1A R	ttctgtttgctcaggctctg	
CAdV2-E1B F	cactttagaatgccagag	
CAdV2-E1B R	ctttcactaatgaacacac	
CAdV2-hexon F	tacatgaatgtagattacc	
CAdV2-hexon R	ggttgatgctctgaatgttg	