

**Table S2. DNA Primers used in this work. Primers (all are shown 5' to 3').**

<b>Primer name.</b>	<b>Sequence.</b>
PetPro	TAATACGACTCACTATAGGG
PetTerm	GTGGCAGCAGCCAACCTCAGC
BamA1130F	GAAATGCGTCAGATGGAAGGTGC
BamA1372R	TCGTTTTTGGTCCCGTTGATACCAAC
6HisBamA	GGGGGGCTAGCCACCACCACCACCACCACGCGGCGGAAGGTTTCGTTGTAAAGACATC
PDA1	GGGGGGCTAGCGAACGTCCGACCATCGCGTCTATC
PDA2	CTGCTGGTTCAGGTAAAGAACGTGTTTCTGCGGAAATCCAGCAGATC
PDA3	CCTGAAACTGGTTTTCCAGGAAGGTGCGCAGTACAAACTGTCTGGTGTGAAG
PDA4	CGTTACCGTGAACATCACCGAAGGTGCGCGTTTCTACGTTTCGTAATAATCCG
PDA5	CCCGGATCCGGTGTACCCGCGTCCACGTTACACGCG
ΔL3	CGTCTGTTCTACAACGACTTCGGTGGTGGTACTACACCAACAAATCTTACGG
ΔL4	CTGTCTAACATGCAGCCGACGGGTGGTGGTCTTTCAAACCGACGACTTCACC
ΔL6	CGAAAACCTTCTACGCGGGTGGTGTACTTCCCGCACCAGGCG
ΔL7	CTGGGACATGGGCACCGTTTGGGGTGGTGGTCTAACATCCGTATGTCTGCG
ΔL8	GTTTTCTTACGCGCAGCCGTTCCGGTGGTGGTGAACAGTTCAGTTCAACATC
BamHIFw	CACCGGATCCTTCAACTTCGGTATCGG
XhoIRev	CCCCTCGAGAGATCTGCCGCCCAAGTCTTGCCG
L2HARev	CAGTTCGCGTAGGTCTGGTAGTAATCTGGTACATCATAACGGATATTCGTCGTTTTTGGTGCCGTTGA
L3HARev	GTGTAGTCAGACAGGTCCGCGTAATCTGGTACATCATAACGGATATTCGTCGTCGCCCTGGAAAGTCGTT
L4HARev	GGTAGACGGGTGTTACCGTAATCTGGTACATCATAACGGATATTCATAGAGTACAGGTAACGCC
L5HARev	GTAGTATTCGTTGTCAGAACC <u>GTAATCTGGTACATCATAACGGATATTC</u> CGGAATGGTAACTTTGCCGG
L6HAFw	GGTGGTAAAGAAATGCCGTTCAATATCCGTATGATGTACCAGATTACTACGAAAACCTTCTACGCGGG
L7HAFw	ACCAACTGGGACTCTTCTCAGTATGAATATCCGTATGATGTACCAGATTACTCTGGTTACCCGGACTACTCTG
L8HAFw	GCCGTTCAAAAATACGACGAATATCCGTATGATGTACCAGATTACTCGGTGACAAAGCGGAACAGTTC
β1HAFw	GGGGGATCCTTCAACGAATATCCGTATGATGTACCAGATTACTTCGGTATCGGTTACGGCACCGAATCTGG
β2HARev	GTTGTCCTGCTGAACACCCGCGTAATCTGGTACATCATAACGGATATTCCTGGAAAGAAACACCAGATTCCG
β3HARev	GGTAGTCGTTTTTGGTGCCGTTGTAATCTGGTACATCATAACGGATATTCGATACCAACCGCGTAACCG
β4HARev	GAAGTACGGGTTGGTAAACGTAATCTGGTACATCATAACGGATATTCAGACAGTTCCGCGTAGGTCTGG
β5HARev	GTCGTTGTAGAACAGACGACCGTAATCTGGTACATCATAACGGATATTCACCCAGAGAAACACCGTC
β6HARev	GGAAACCCAGGGTAACGTCGGTGAATCTGGTACATCATAACGGATATTCGCCGTAAGATTTGTTGGTGA

β7HARev GTTAGACAGAGAGTTGTGAACGTAATCTGGTACATCATAACGGATATTCGTAACCCAGACCCGCACGCAG  
β8HARev TTGTTGTAGGTCCAACCGTAGTAATCTGGTACATCATAACGGATATTCGTTGAAGGTGAAGTCGTCGGTTTT  
β9HARev GAATGGTAACTTTGCCGGTCAGGTAATCTGGTACATCATAACGGATATTCGTTACACGAGAACCGTC  
β10HARev CAATCGGAACGTAGGTCGCGGTGTAATCTGGTACATCATAACGGATATTCGTCCAGGGTAACTTTGTAGTA  
β11HARev ACCGTCACCGTAACCCCAACGGTAATCTGGTACATCATAACGGATATTCGGTACGACCCAGAACAACCCA  
β12HAFw AACGCGATGGCGGTTGCGTCTGAATATCCGTATGATGTACCAGATTACCTGGAATTTATCACCCCGAC  
β13HAFw CTCTGTTTCGTACCTCTTTCTTCGAATATCCGTATGATGTACCAGATTACTGGGACATGGGCACCGTTTTGG  
β14HAFw AACATCCGTATGTCTGCGGGTGAATATCCGTATGATGTACCAGATTACATCGCGCTGCAATGGATGTC  
β15HAFw CCGCTGGGGCCCCTGGTTTTTCGAATATCCGTATGATGTACCAGATTACTCTTACGCGCAGCCGTTCAA  
β16HAFw GCGGAACAGTTCCAGTTCAACGAATATCCGTATGATGTACCAGATTACATCGGTAACCTGGTAATGAGG

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