

Table S1. Primer sequences for PCR

Primer	Sequence
Vgeneric	SADGTBCAGCTKMAGSAGTCWGG
V3609	CARRTTAYTCWGAAASWGCTGG
VS107/J606	GARGTGMAGCTKGWDGARWCTGR
J558	SAGGTYCARCTSCARCAGYCTGG
VGAM	CAGATCCAGTTSGTRCAGTCTGG
V7183/VH11	GAMGTGMAGCTSKTGAGWCTGG
J _H 1	CGGTCACCGTYCCTCAG
J _H 2	GCACCACTCTCACAGTCTCT
J _H 3	GGGACTCTGGTCACTGTCTCT
J _H 4	AACCTCAGTCACCGTCTCCTC
J/hinge	CACCGTCTCCTCAGAGCCC
γ C _H 2 ^a	TGTTGACCYTGCAITTTGAAC
γ C _H 2 ^b	TTKGAGATGGTTYTCTCGATG
γ C _H 2 ^c	gttgaccttgacattgaactcc
γ C _H 2 ^d	TTGGAGGGAAAGATGAAGACGGATGG
γ C _H 2 ^e	TGTTGACCYTGCAITTTGAACTCCTTGCC
β -actin2	GATATCGCTGCGCTGGTC
β -actin4	CTACGTACATGGCTGGGGTG
VDJ029	CGGGGGGCTACGGCTACGTATGGG
J _H 4long	ggaacctcagtcacccgtctcctcag
γ 2bhingelong	AGTGACTTACCTGGGCATTTGTGACACTC
γ 2aC _H 2long	AGGGCACTGACCACCCGGAG
3'E μ	GACCTCTCCGAAACCAGGCACCGC