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Supplemental Table S1: Primers used to amplify IgG V domains. Bold, annealing sequences; underline, restriction sites; italicized nucleotides, changes from wildtype sequence to accommodate *Eco*RI site; BCK, back; FRW, forward. PCR conditions: 1.5 mM $MgCl_2$, 10 mM dNTP mixture, 0.2 µM each back and forward primers, 1 U Taq DNA polymerase and ~20 ng template DNA. Thermal cycling protocol: 1 denaturation cycle at 95°C, 5 min; 39 amplification cycles, each cycle consisting denaturation (1 min, 95°C), annealing (1 min, 55°C) and extension (1 min, 72°C). The final step was an extension to fill in incomplete fragments (10 min, 72°C).

CBH-7V_H BCK	5′TCTGAG*GAATT*C**CAGCTGGTGCAGTCTGGGGCTGAG**
CBH-7V_H FRW	5′ACATGTGAAGCTT**GCTGCGGCGACGGTGACCCGGGT**
CBH-7VL BCK	5′GCACATTCCAGATCT**GACGTCCTGATGACCCAGTCTCCA**
CBH-7V_L FRW	5′AGTTCTAGAGCGGCCGCAGTCCG**TTTGCTCTCGAGATTGGTCCCTCC**
HK14 VL BCK	5′GCACATTCCAGATCT**GACATCGTGATGACCCAGTCT**
HK14 V_L FRW	5′AGTTCTAGAGCGGCCGCAGTCCG**TAAGATGTCCACCTTGGTCCCTCC**
HK13 V_L BCK	5′GCACATTCCAGATCT**GACATCGTGATGACCCAGTCTCCA**
HK13 V_L FRW	5′AGTTCTAGAGCGGCCGCAGTCCG**TTCGATCTCTAGCTTGGTCCCCTG**
GG63 V_L BCK	5′GCACATTCCAGATCT**GACATCCAGATGACCCAGTCTCCT**
GG63 V_L FRW	5′AGTCTAGAGCGGCCGCAGTCCG**TGTGATTTCCACCTGGGTCCC TTG**
GL2 V_H BCK	5′TA*GAATT*C**CAGCTGSWGSAGTCKGG**
GL2 V_H FRW	5′TAAAGCTT**GCTGAGGAGACGGTGACCA**
GL2 V_K BCK	5′TAAGATCT**GAHATYSTGWTGACBCAGTCT**
GL2 V_K FRW	5′TAGCGGCCGCAGTCCG**TTTRATHTCCASC**