**Supplementary Table 3. Primers used for heavy chain repertoire cloning**

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| **Forward primers** |  |
| VH1 (Sfi I) | 5’-CATGCCATGACTCGCGGCCCAGGCGGCCATGGCCCAGGTGCAGCTGGTGCAGTCTGG-3’ |
| VH3 (Sfi I) | 5’-CATGCCATGACTCGCGGCCCAGGCGGCCATGGCCGAGGTGCAGCTGGTGGAGTCTGG-3’ |
| VH4 (Sfi I) | 5’-CATGCCATGACTCGCGGCCCAGGCGGCCATGGCCCAGGTGCAGCTGCAGGAGTCGGG-3’ |
| F1 (Sfi I) | 5’-CATGCCATGACTGTGGCCCAGGCGGCCATGCAGKTGCAGCTCGTGGAGTC-3’ |
| F2 (Sfi I) | 5’-CATGACTGTGGCCCAGGCGGCCATGCAGGTGCAGCTCGTGGASWCHGGNGGAGGMTTGGT-3’ |
| VHH1BACK (Sfi I) | 5’-GTTATTACTCGCGGCCCAGGCGGCCATGGCCCAGGTSMARCTGCAGSAGTCWGG-3’ |
| CHH6BACK (Sfi I) | 5’-T GTTATTATCTGCGGCCCAGGCGGCCATGGCCGATGTGCAGCTGCAGGCGTCTGGRGGAGG-3’ |
| **Reverse primer** |  |
| JH | 5’-CCACGATTCTGGCCGGCCTGGCCTGAGGAGACRGTGACCTGGGTCC-3’ |