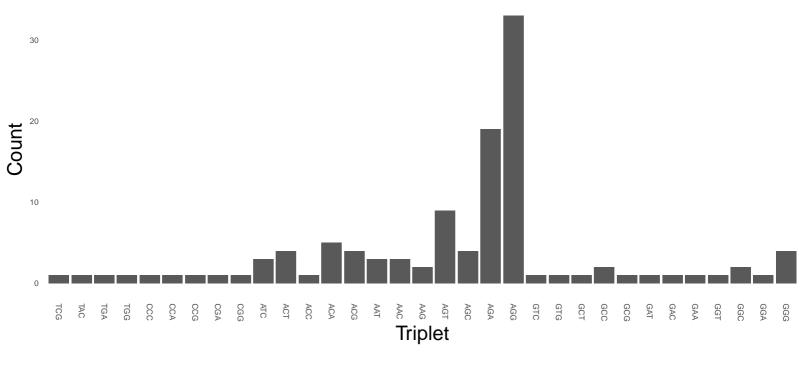
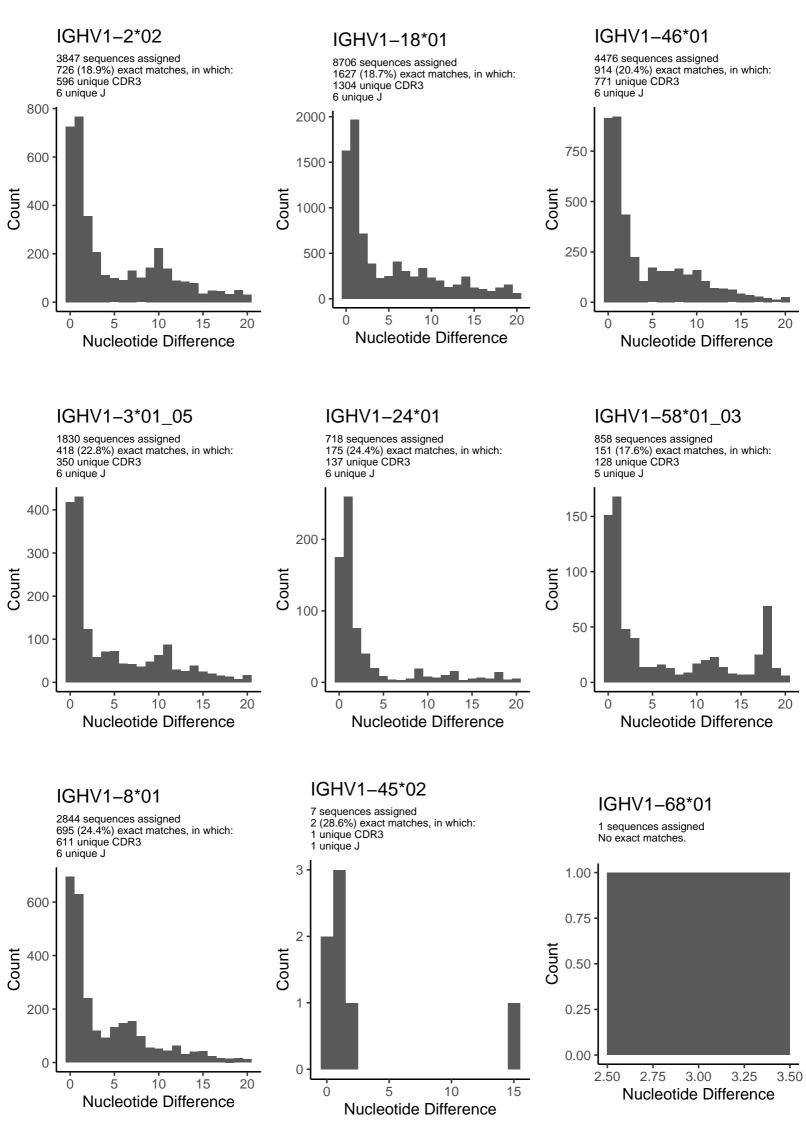
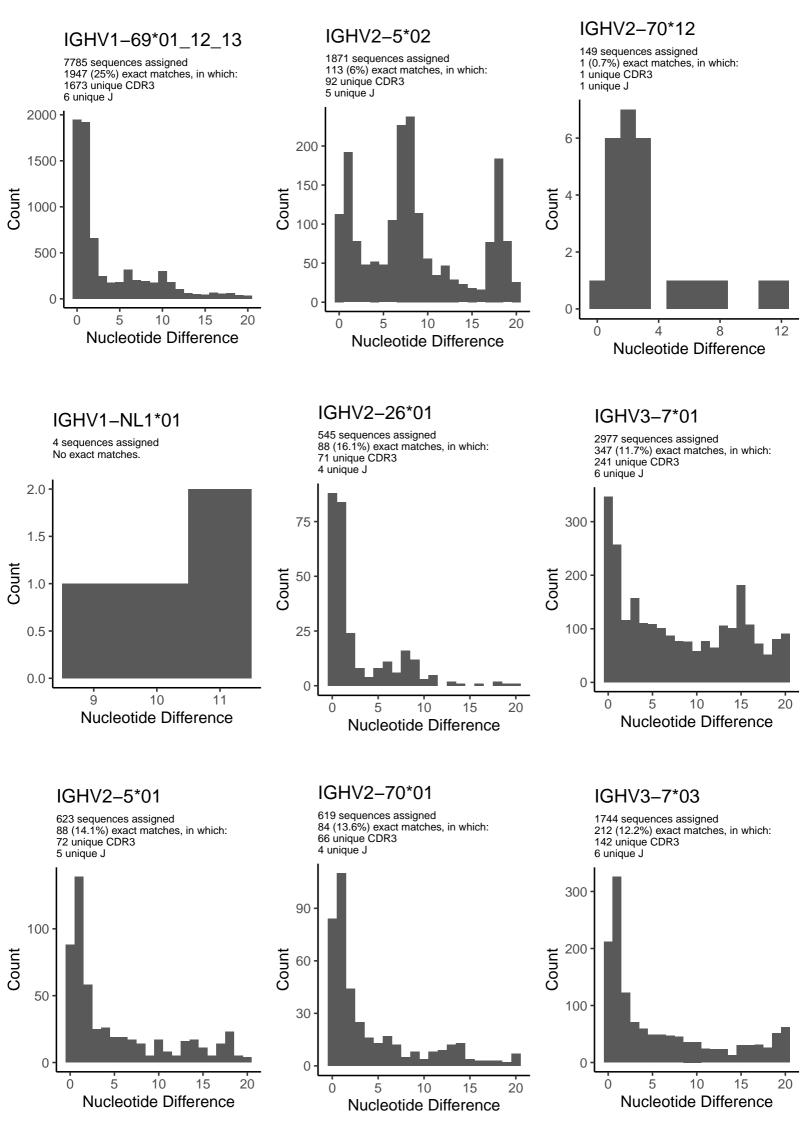
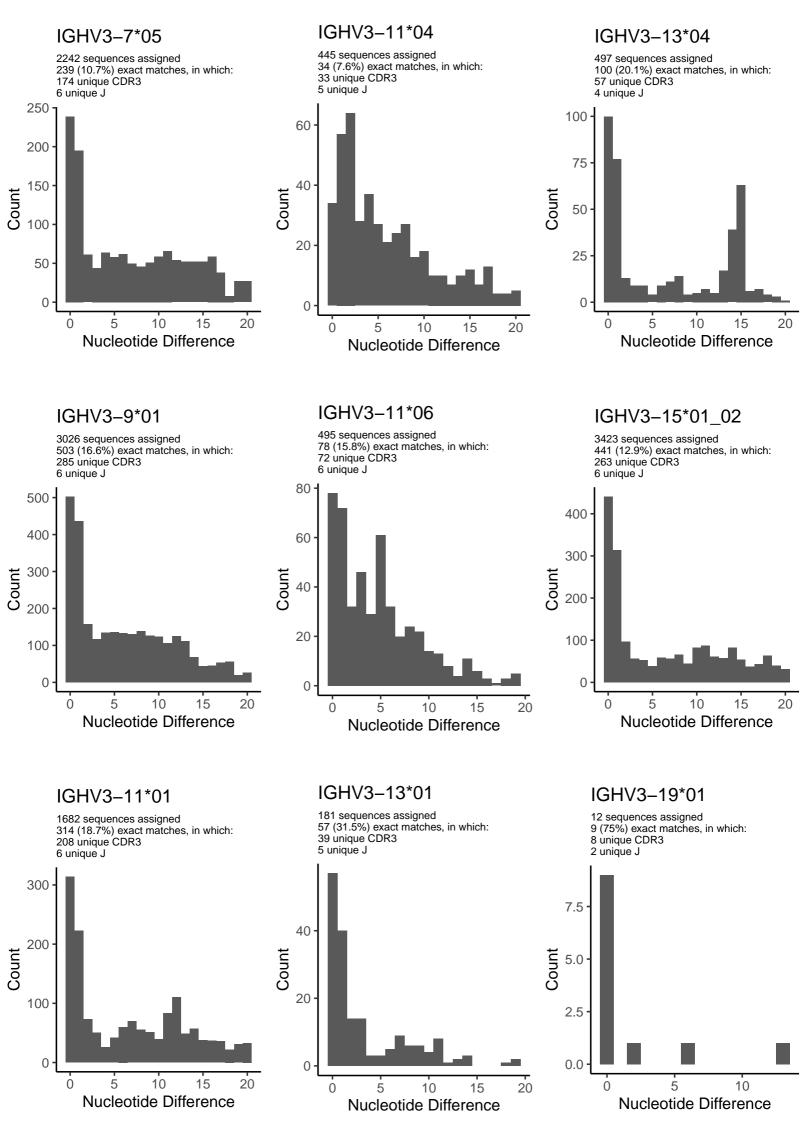


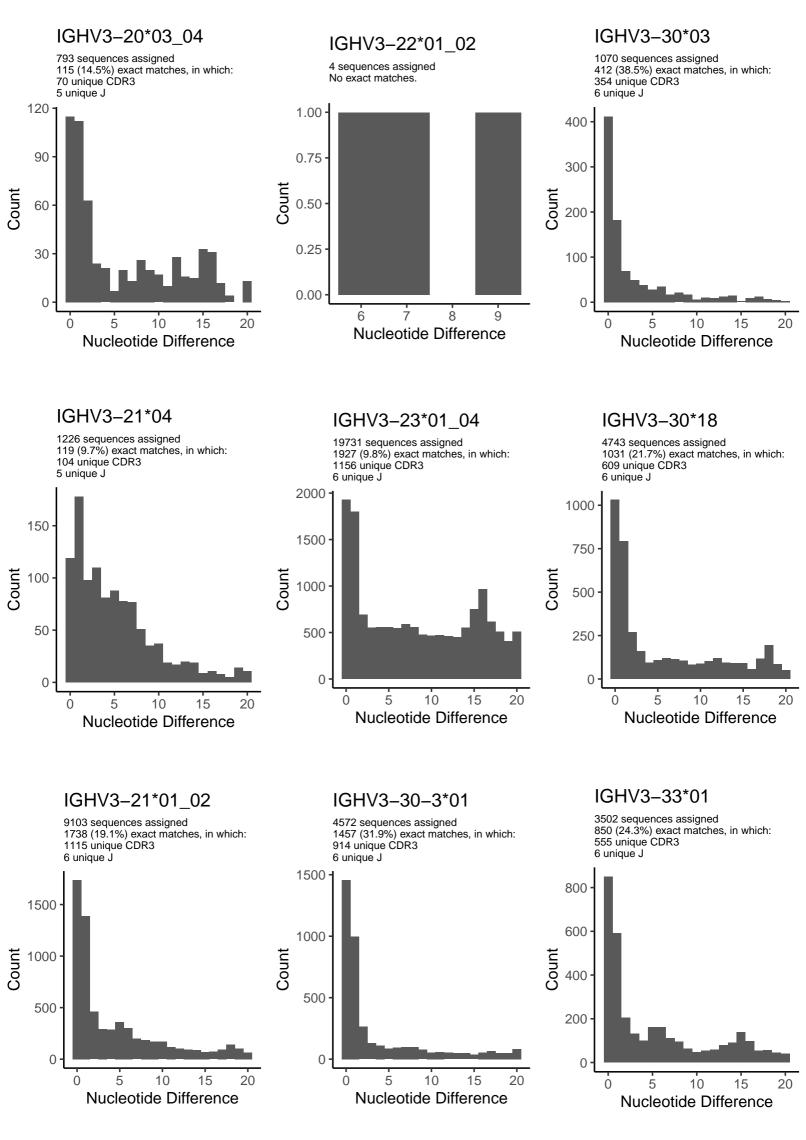
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

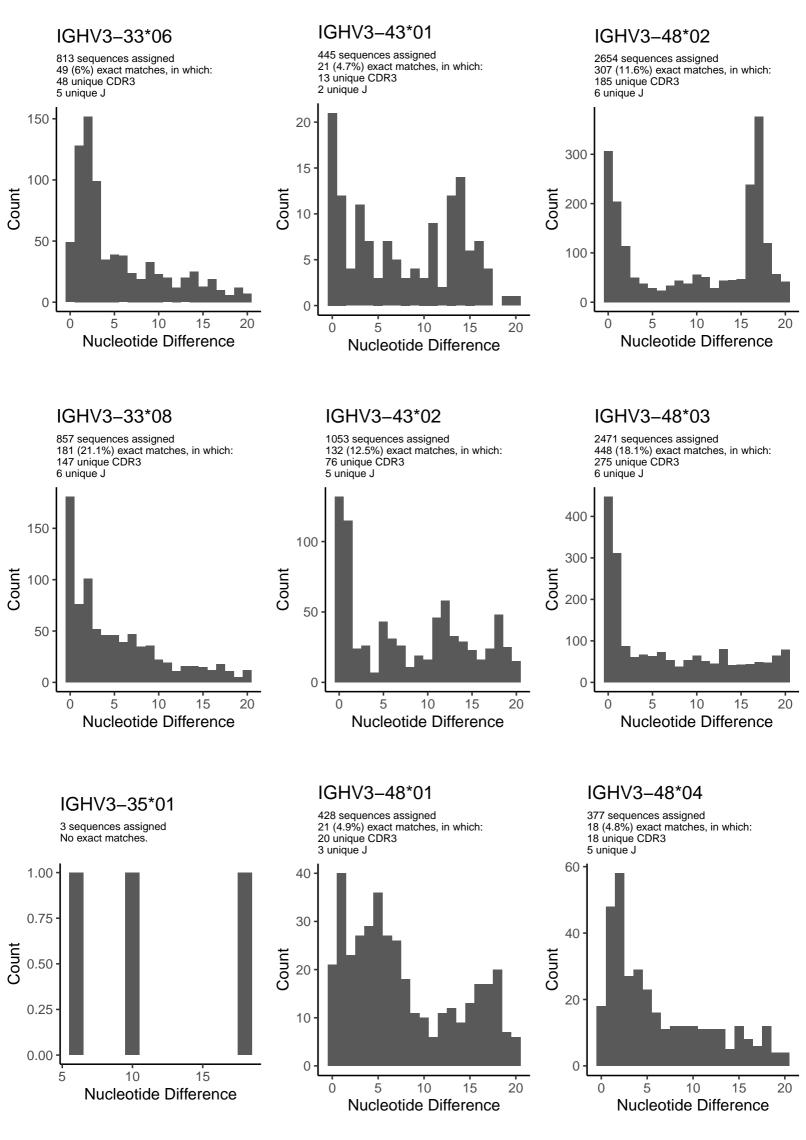


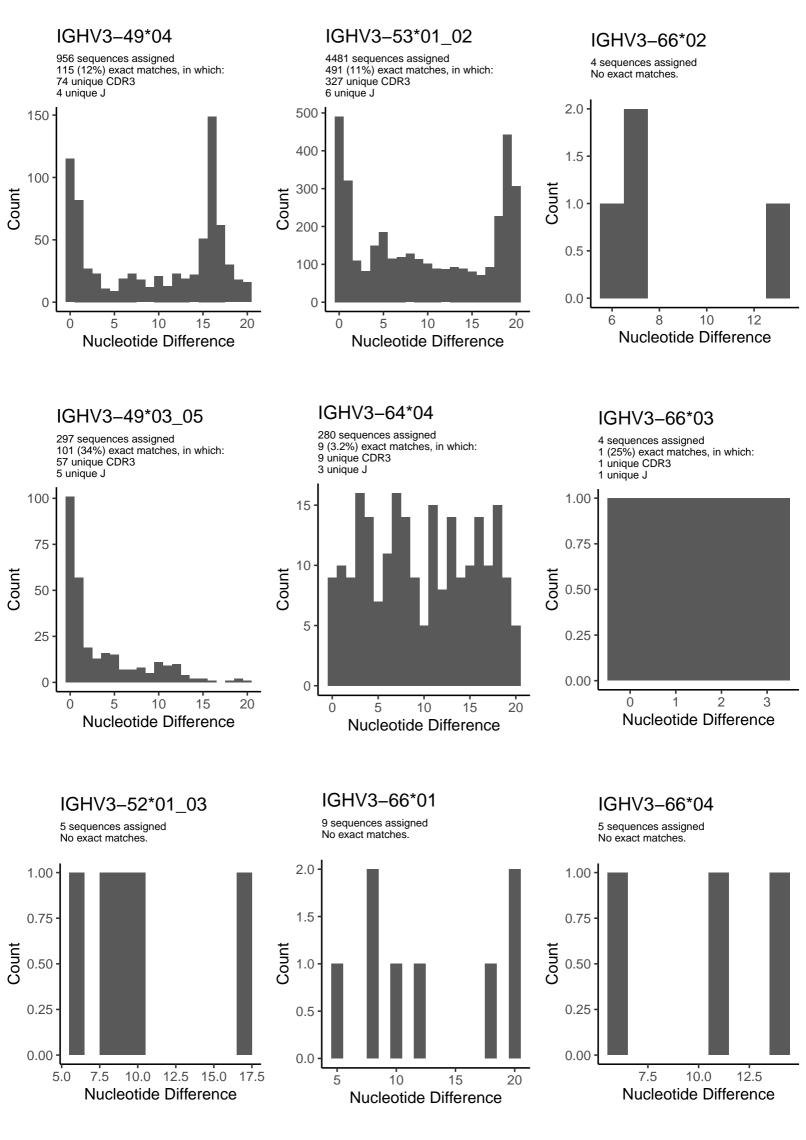


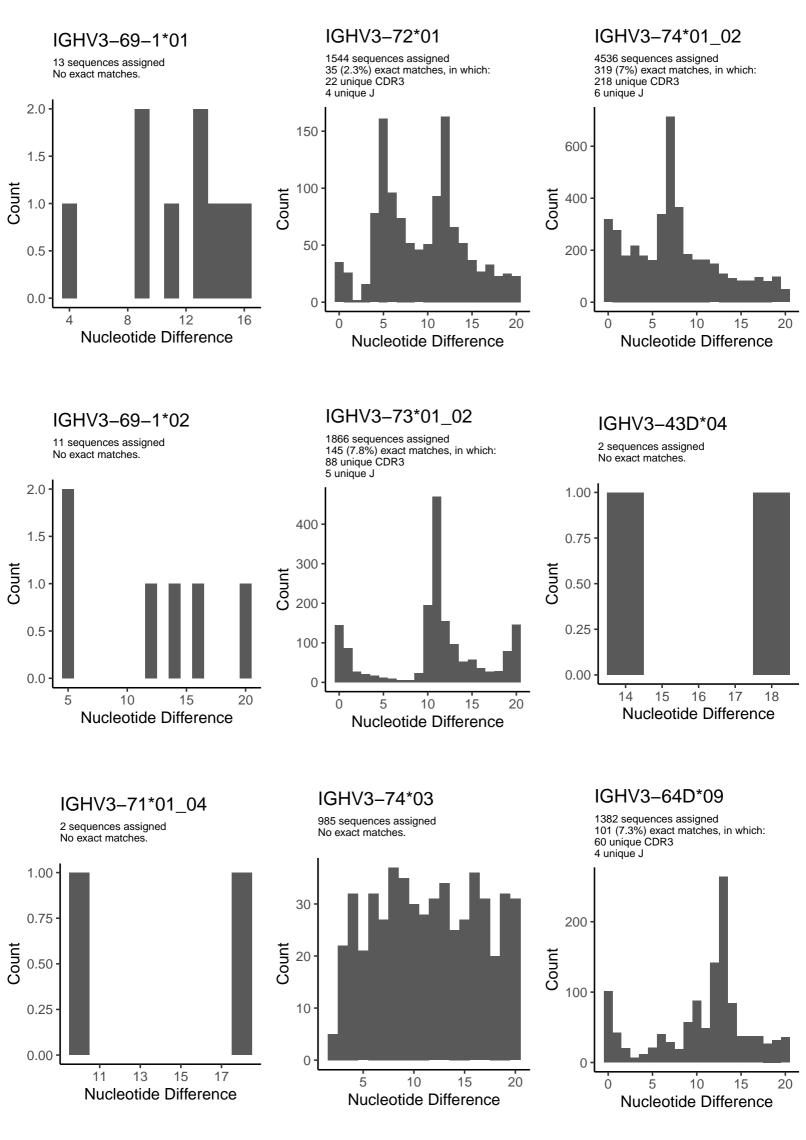


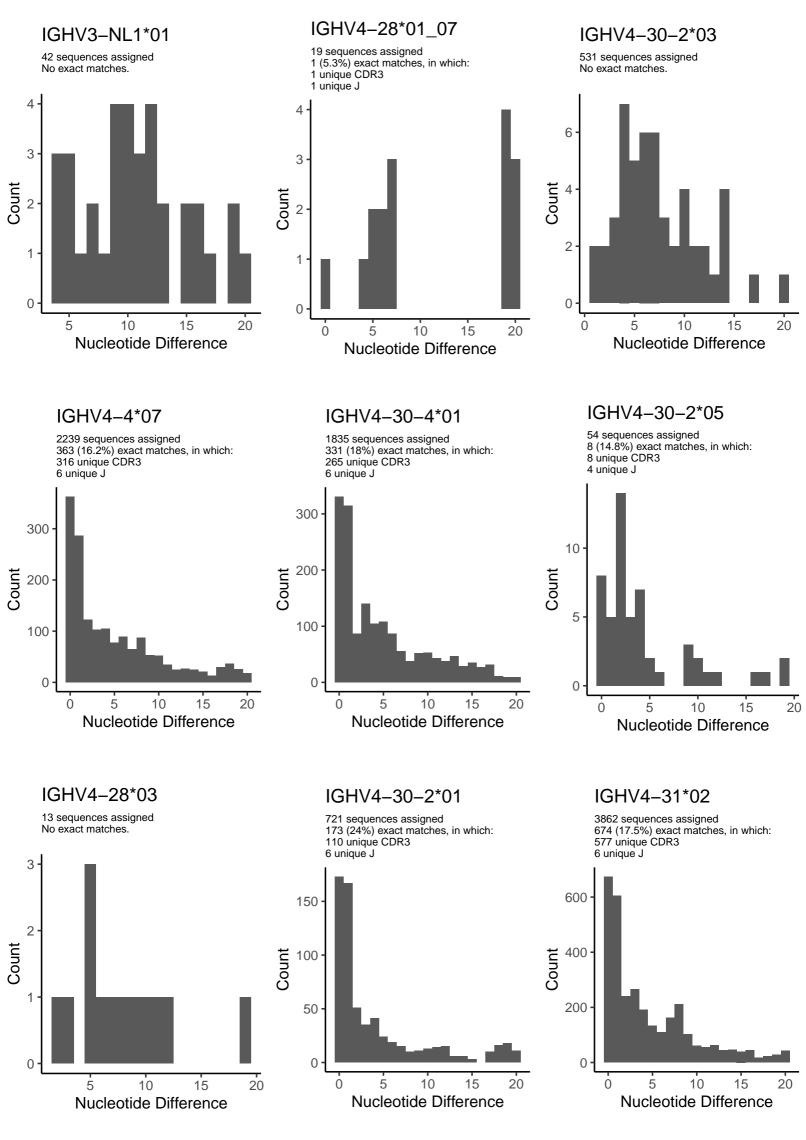


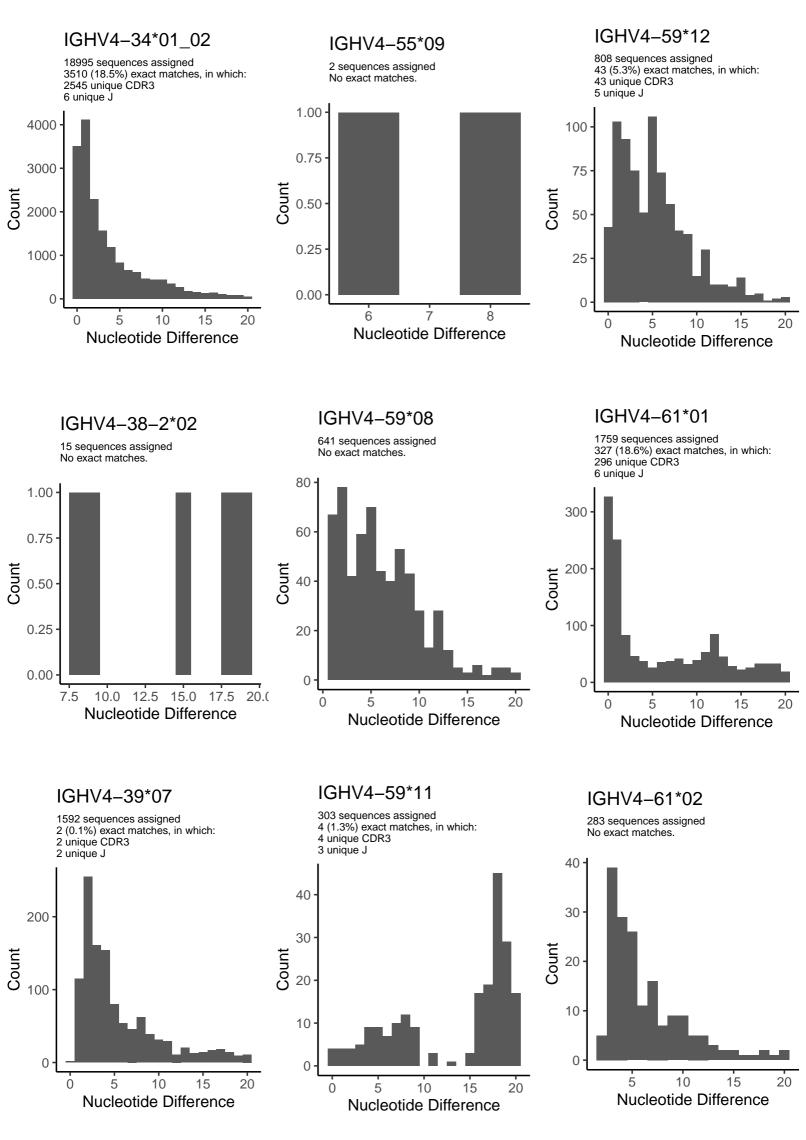


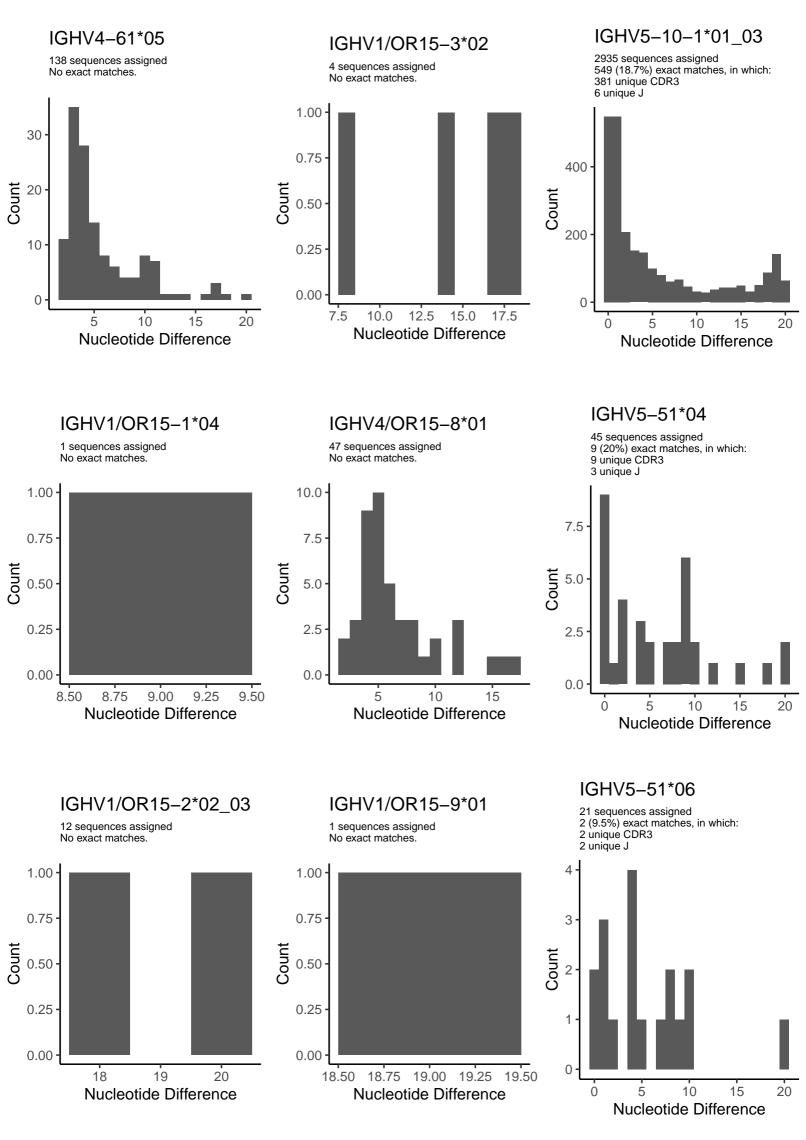












IGHV5-51*07 IGHV3/OR16-6*02 31 sequences assigned 7 (22.6%) exact matches, in which: 7 unique CDR3 1 sequences assigned No exact matches. 5 unique J 1.00 -6 0.75 Count 0.50 Count 0.25 2 0.00 0 5.50 5.75 6.00 6.25 6.50 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV3/OR16-10*01_03 2179 sequences assigned 144 (6.6%) exact matches, in which: 2 sequences assigned No exact matches. 123 uniqué CDR3 5 unique J 1.00 400 0.75 300 Count Count Count 200 0.25 100 0.00 0 3.75 4.00 4.25 4.50 3.50 5 10 15 20 0 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02_A315G IGHV7-4-1*02 116 sequences assigned 1441 sequences assigned 23 (19.8%) exact matches, in which: 330 (22.9%) exact matches, in which: 23 unique CDR3 246 unique CDR3 5 unique J 6 unique J 20 300 15 200 10 100 5 0 0

10

Nucleotide Difference

15

20

0

10

Nucleotide Difference

15

20

