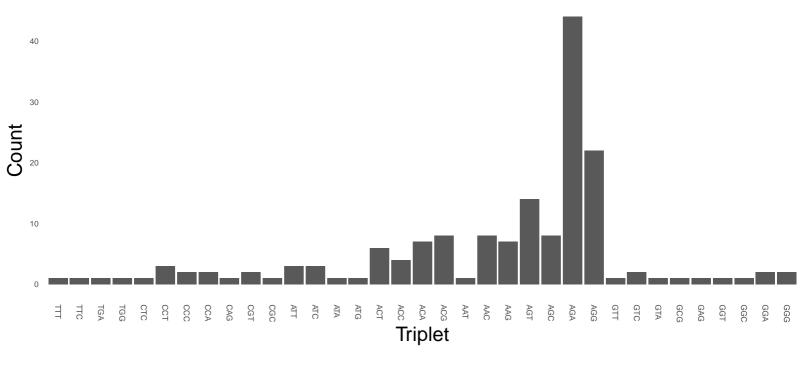
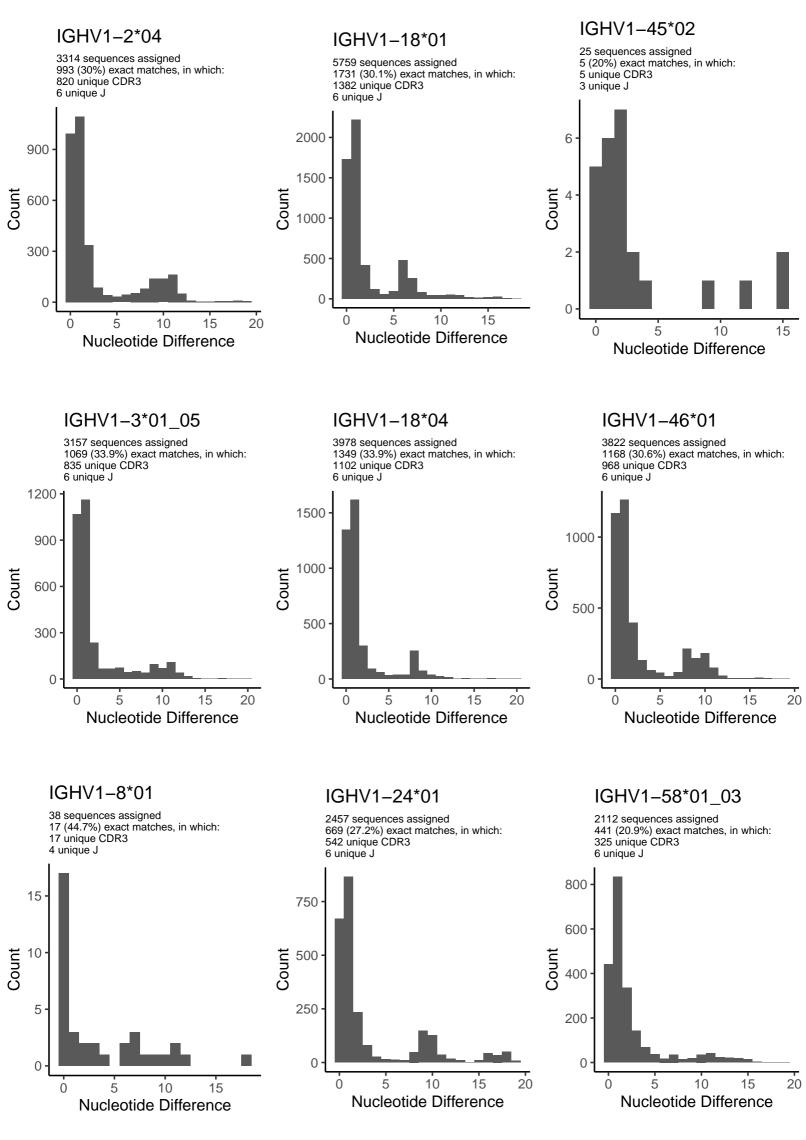
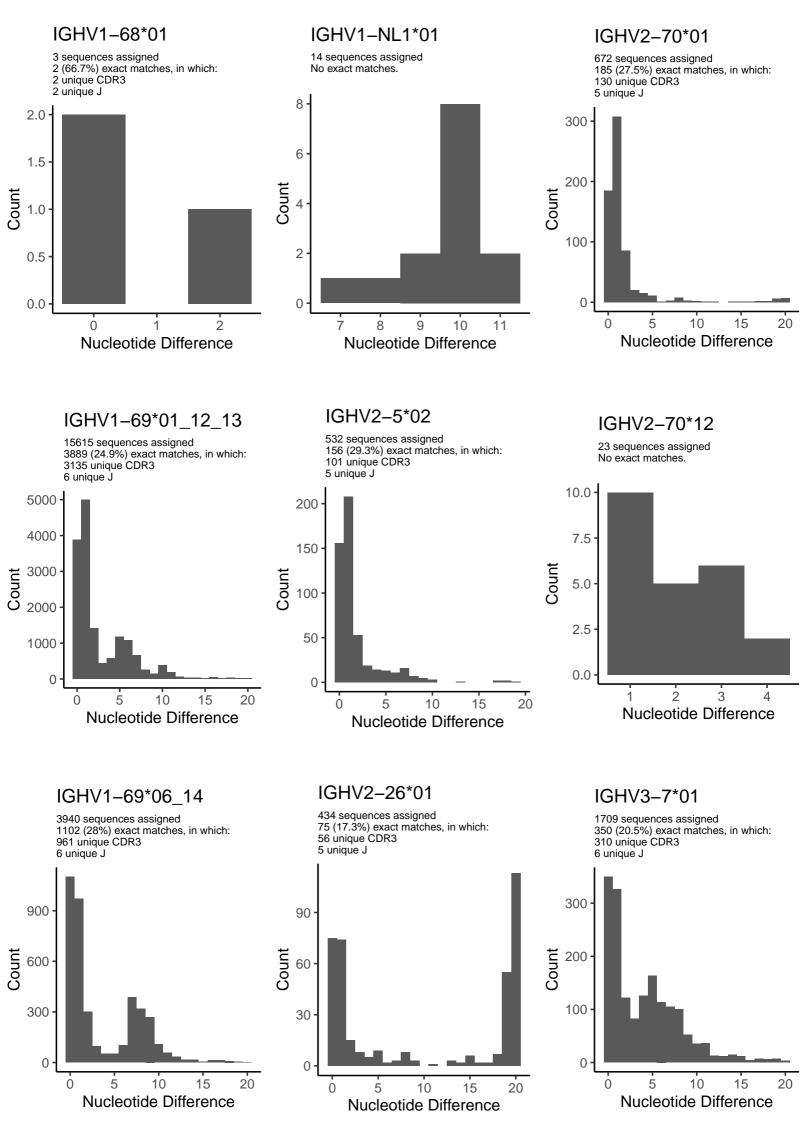
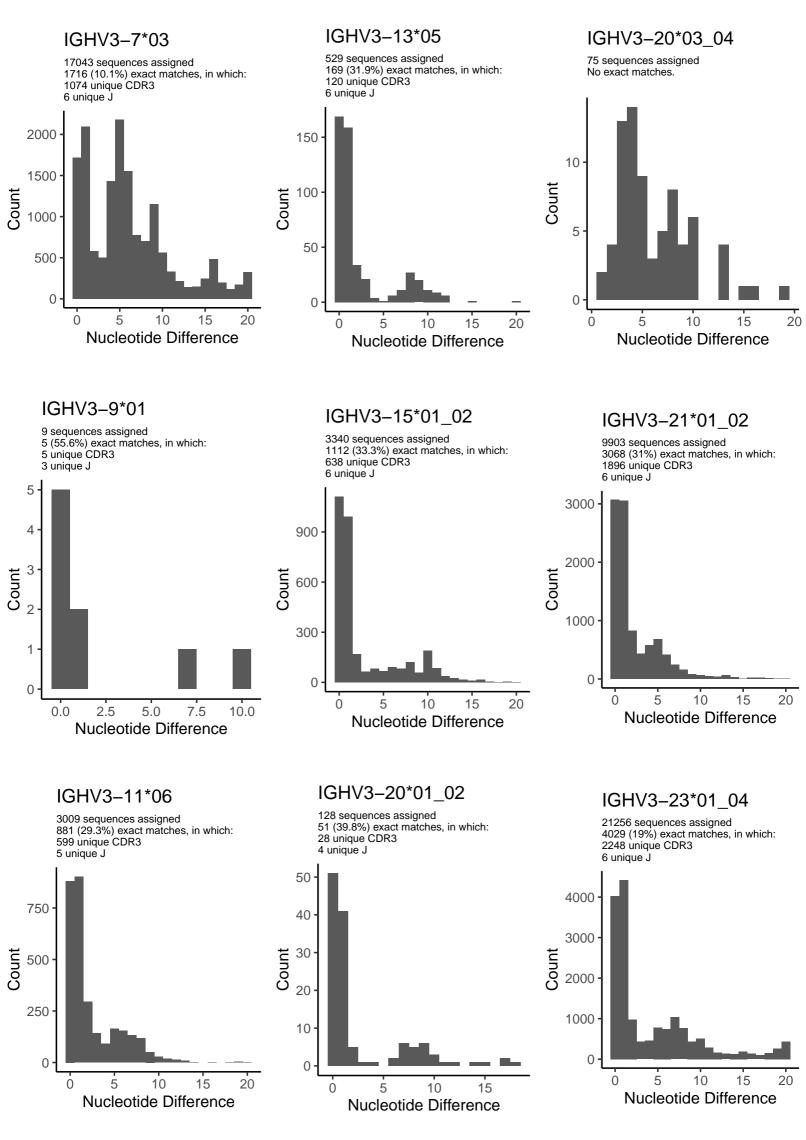


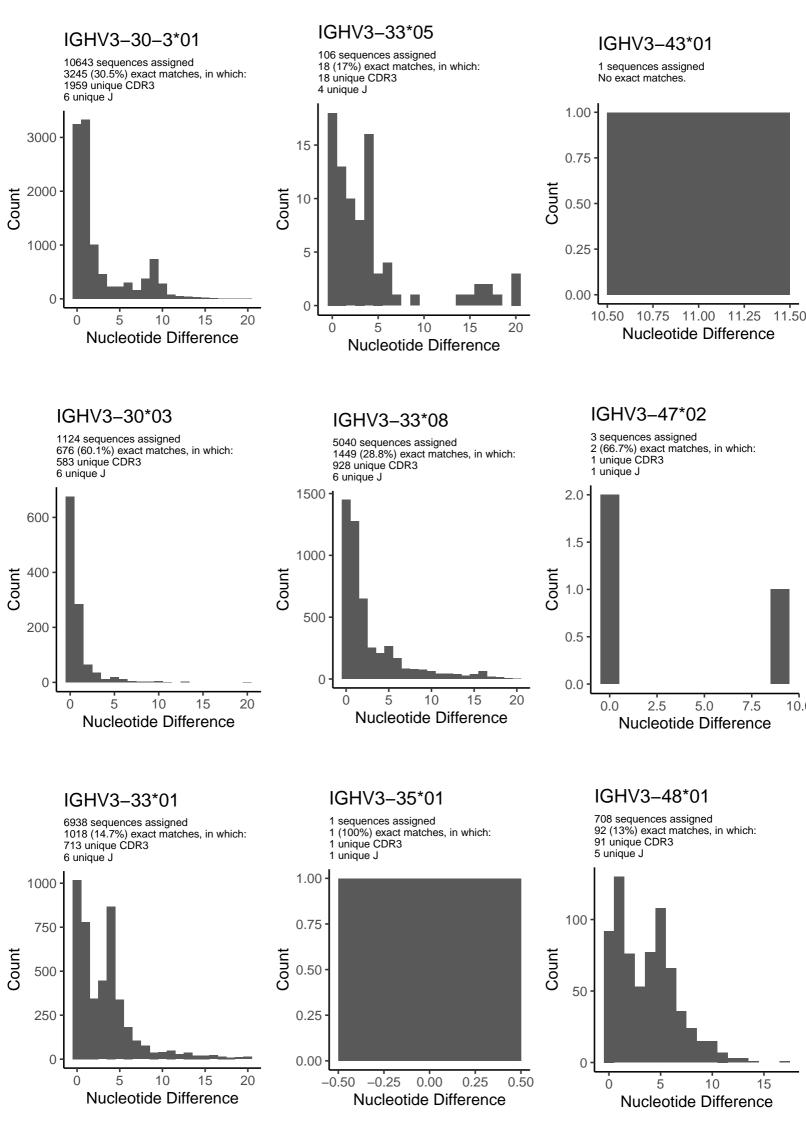
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

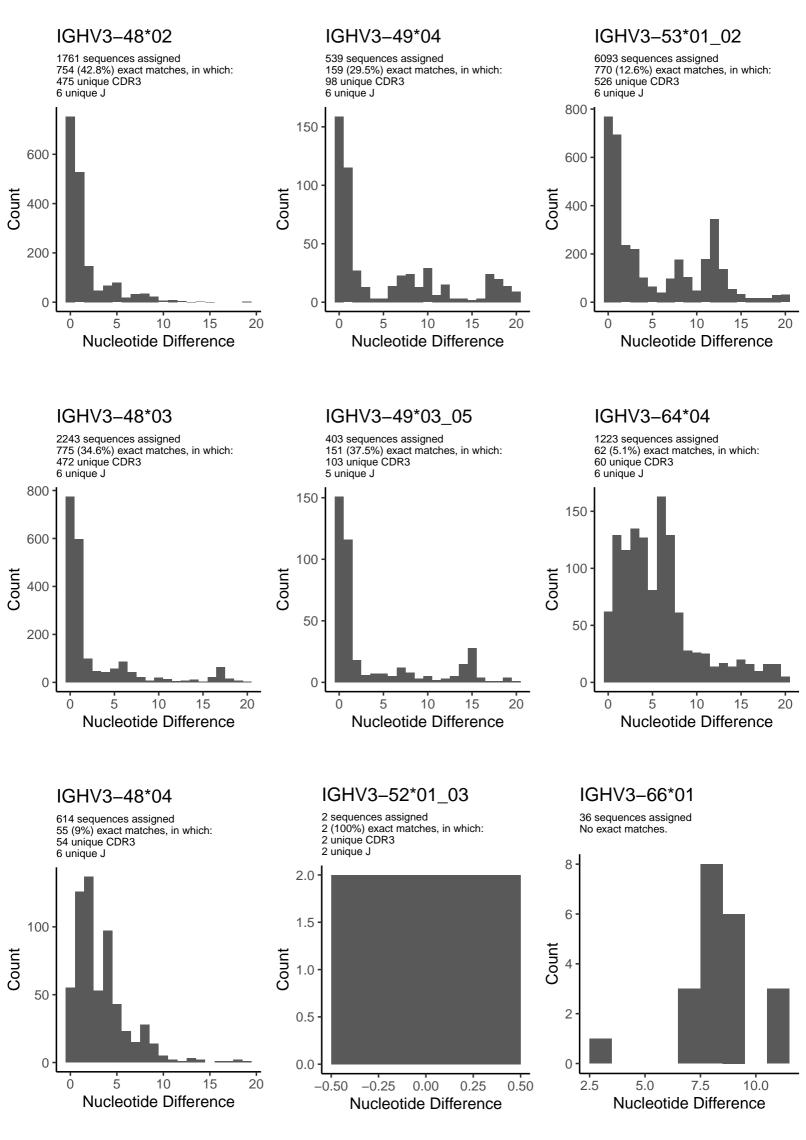


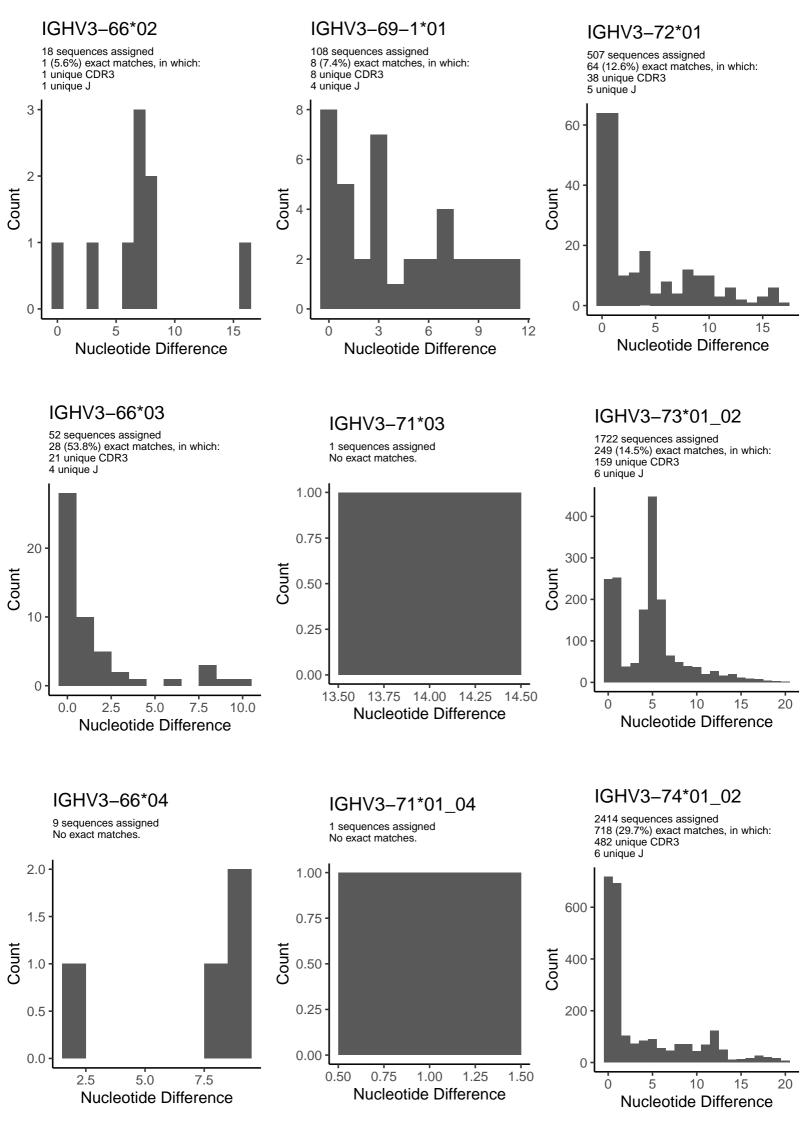


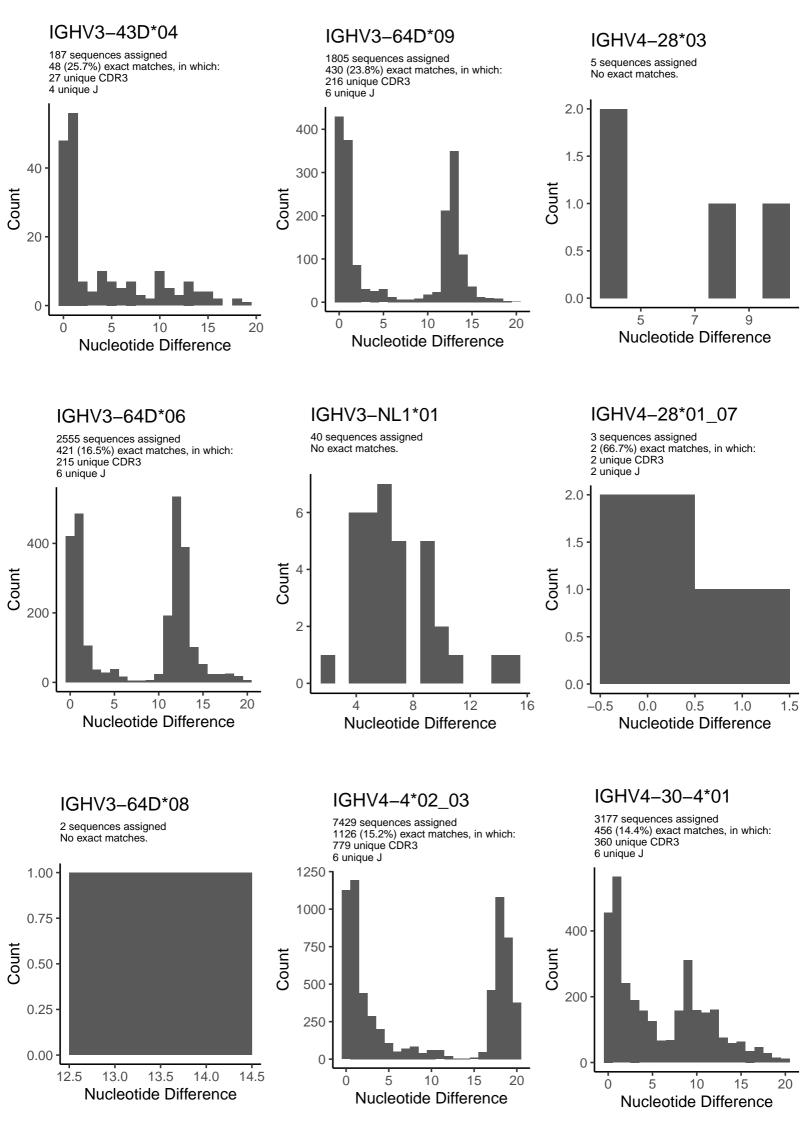


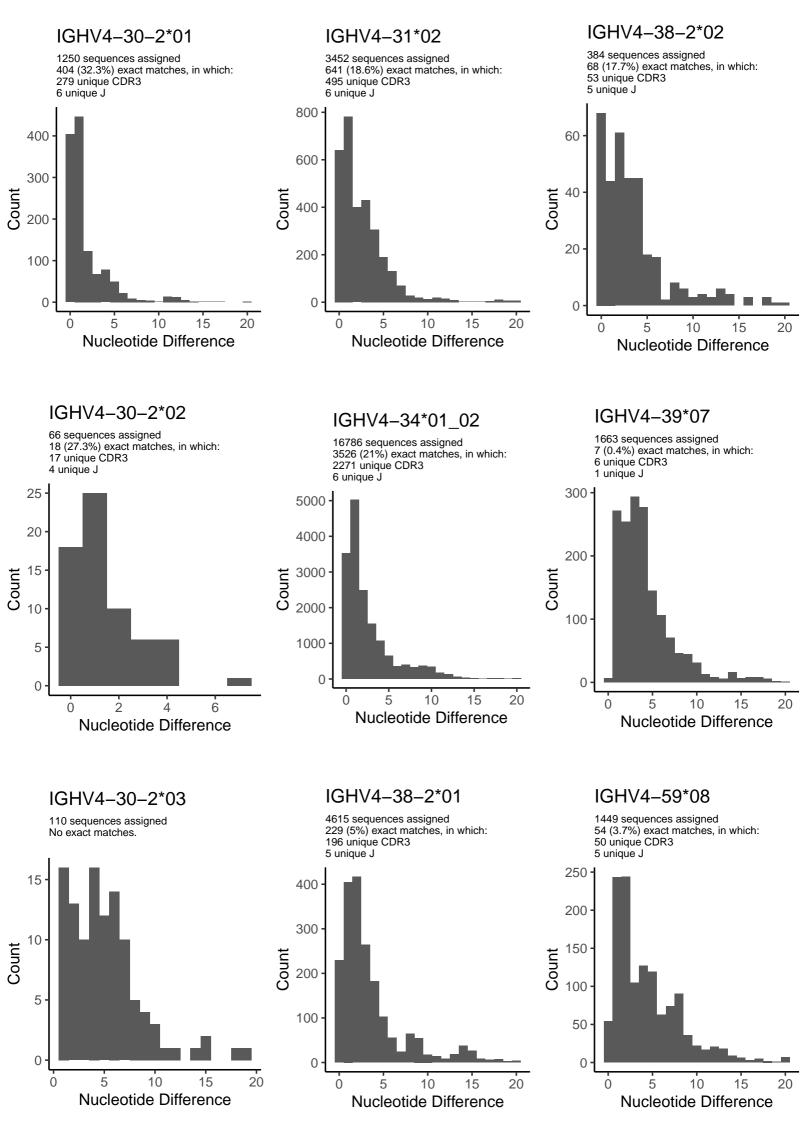


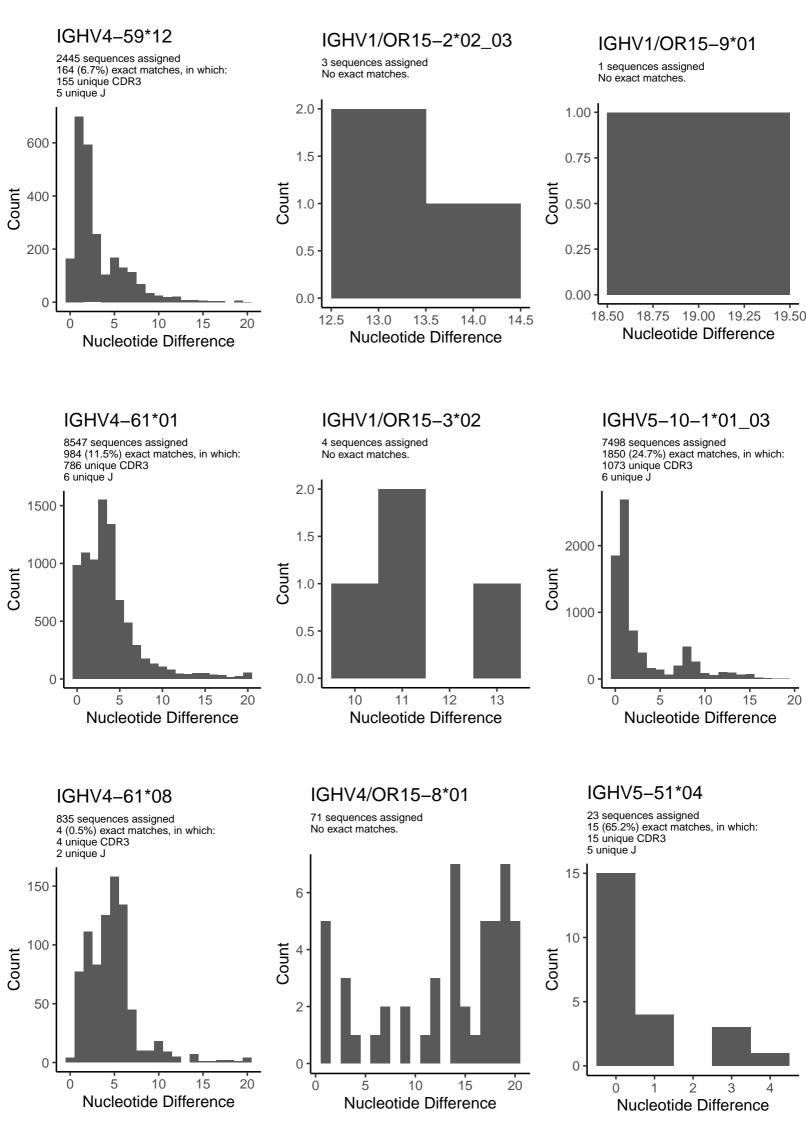








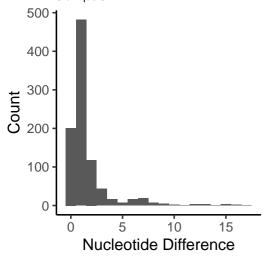




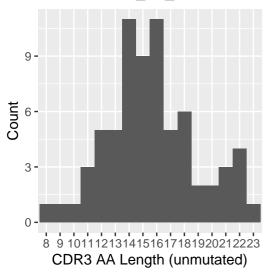
IGHV6-1*01_02_A315G IGHV5-51*06 165 sequences assigned 70 (42.4%) exact matches, in which: 13 sequences assigned 10 (76.9%) exact matches, in which: 69 unique CDR3 10 unique CDR3 6 unique J 3 unique J 10.0 60 7.5 Count Count 40 5.0 20 2.5 0.0 0 10 15 20 5 0 5 10 15 Nucleotide Difference Nucleotide Difference IGHV5-51*07 IGHV7-4-1*01 31 sequences assigned 14 (45.2%) exact matches, in which: 14 unique CDR3 137 sequences assigned 44 (32.1%) exact matches, in which: 31 unique CDR3 6 unique J 4 unique J 40 10 30 Count 20 5 10 0 0 0 10 15 20 0 9 6 Nucleotide Difference **Nucleotide Difference**

IGHV6-1*01_02

1031 sequences assigned 201 (19.5%) exact matches, in which: 151 unique CDR3 5 unique J



IGHV6-1*01_02_A315G





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