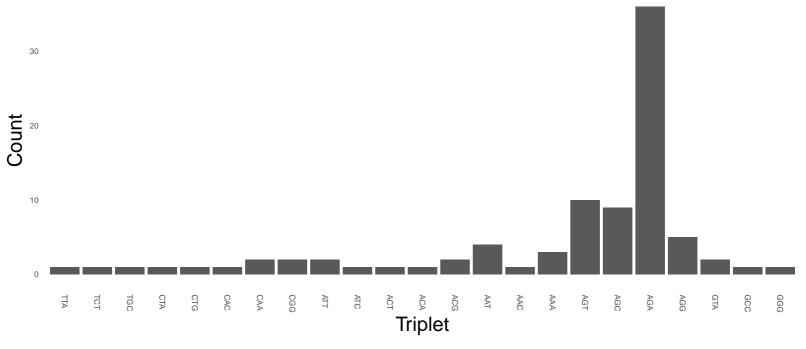
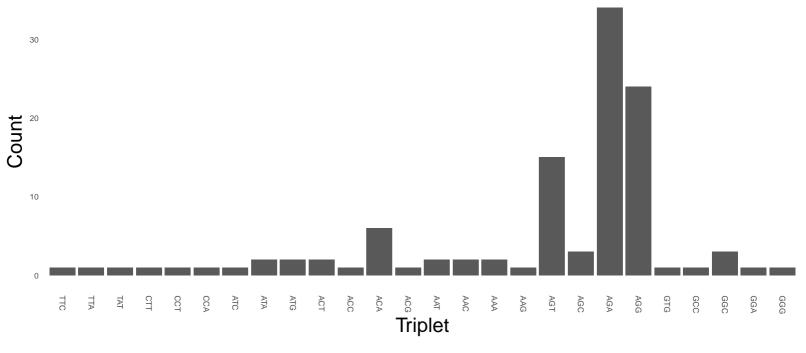
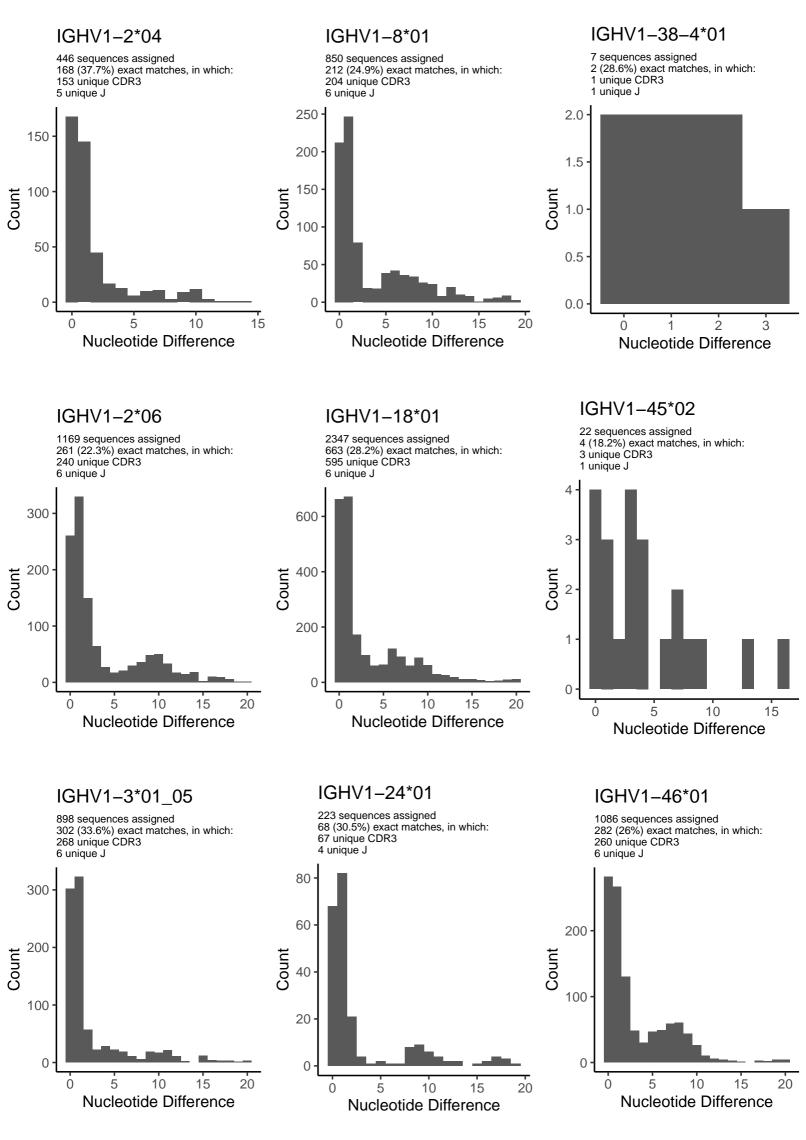


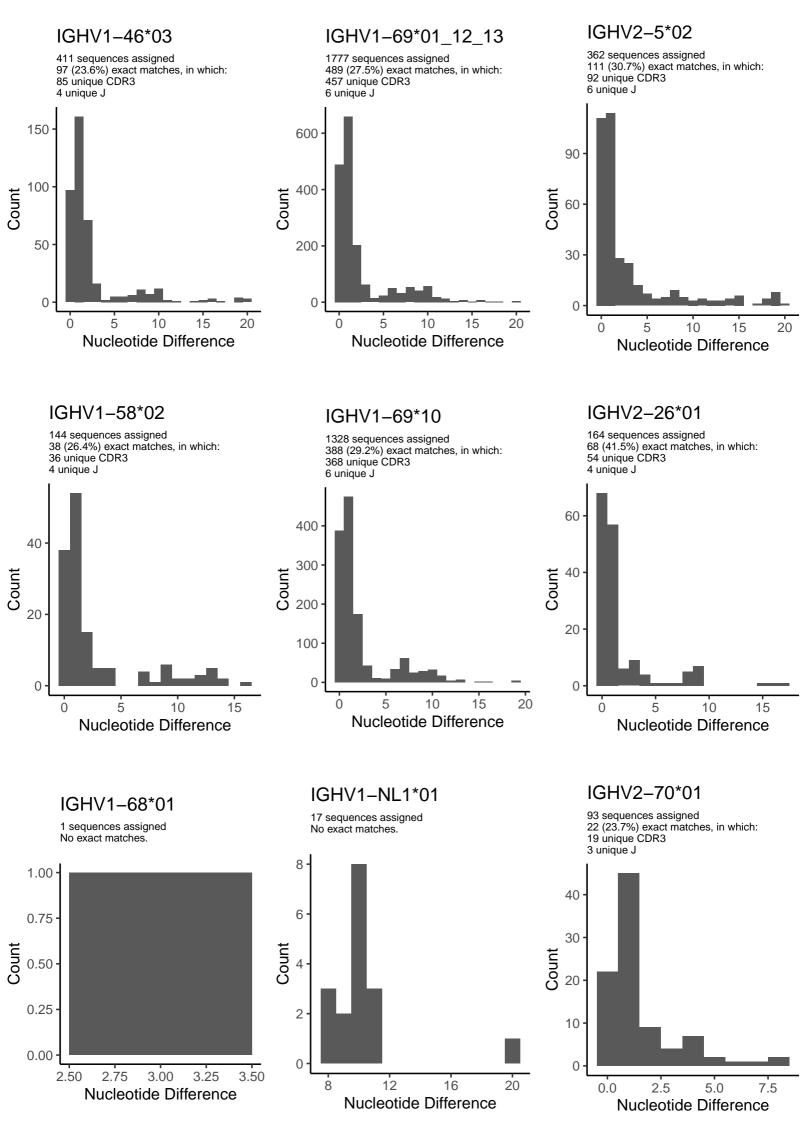
IGHV3-53\*01\_02\_A225G\_T267G\_G303A- Final 3 nucleotides as a triplet

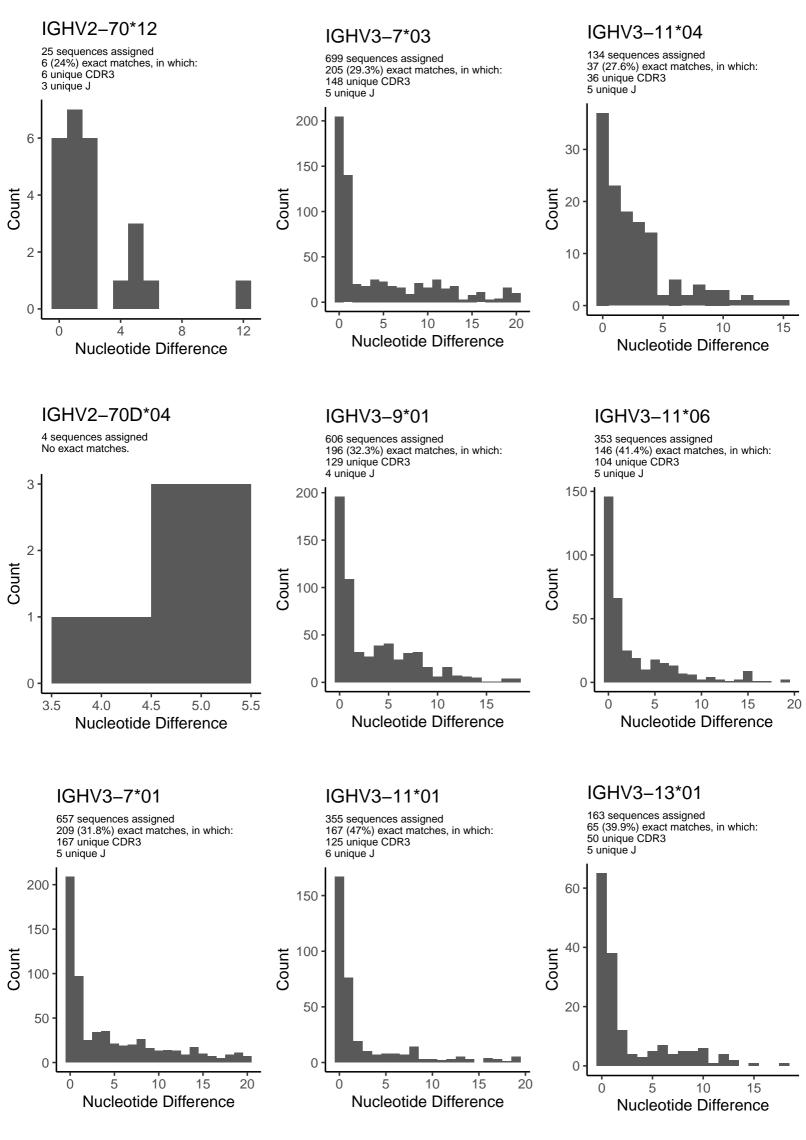


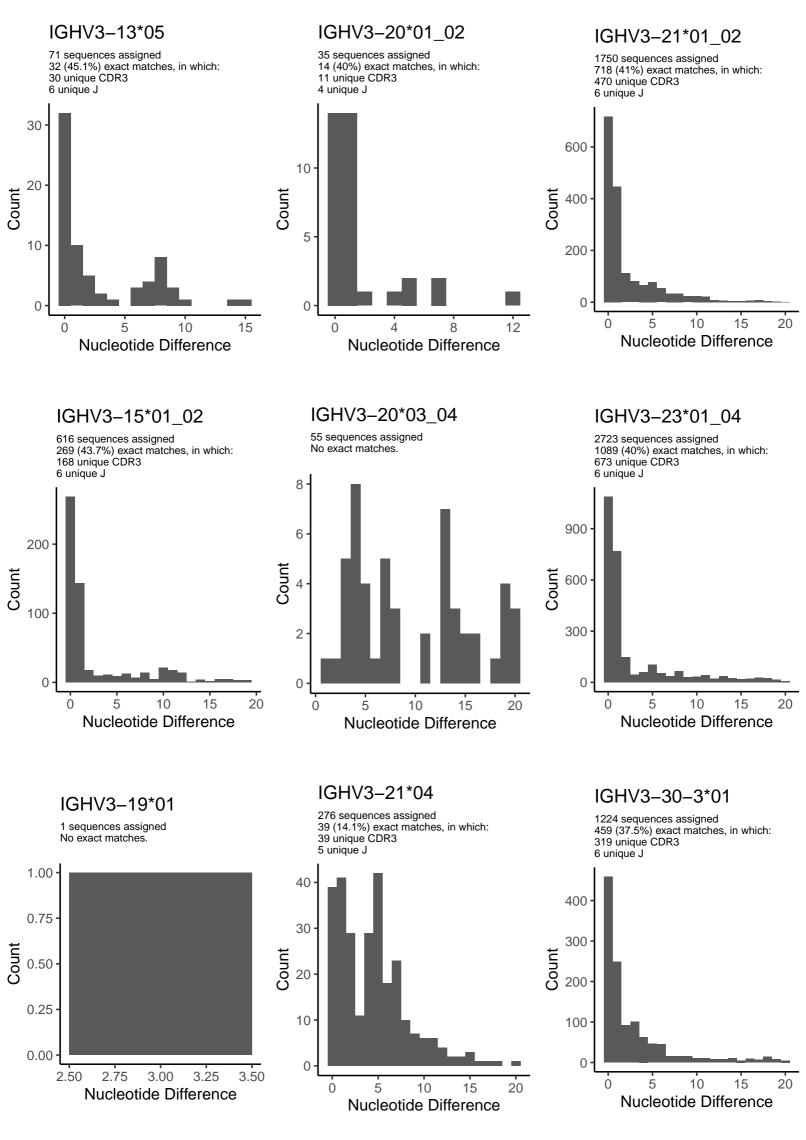
IGHV6-1\*01\_02\_A315G- Final 3 nucleotides as a triplet

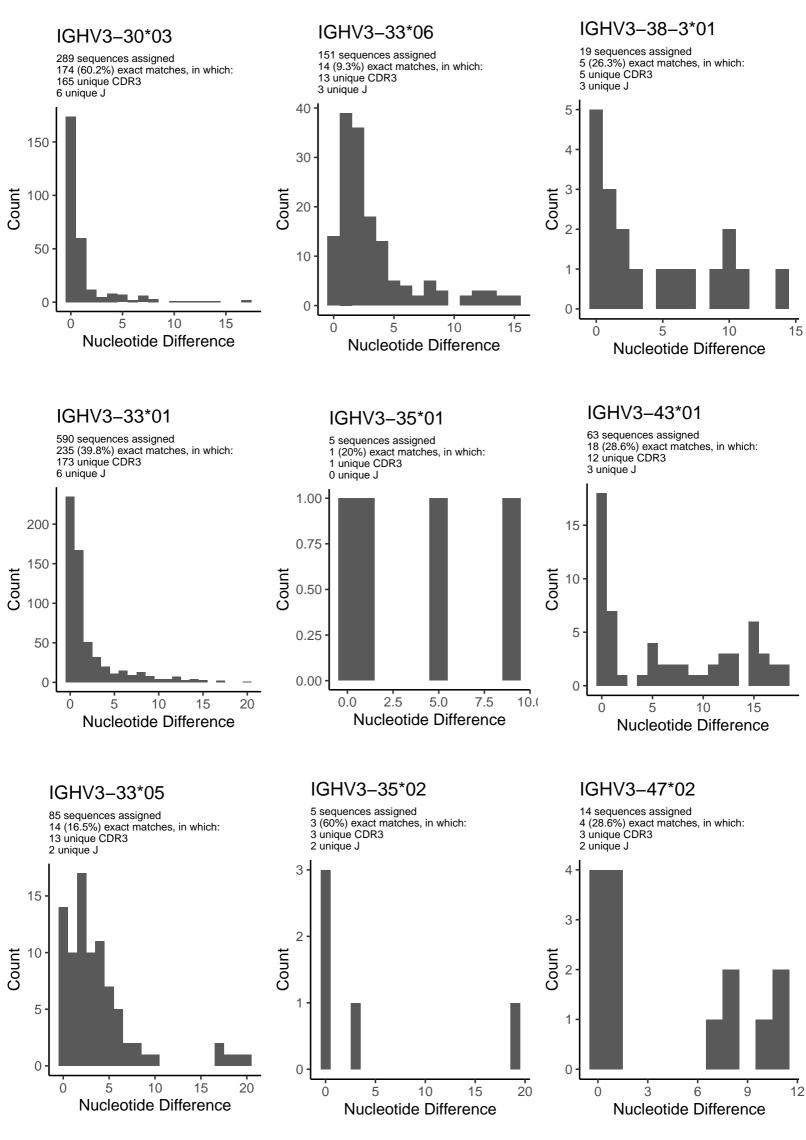


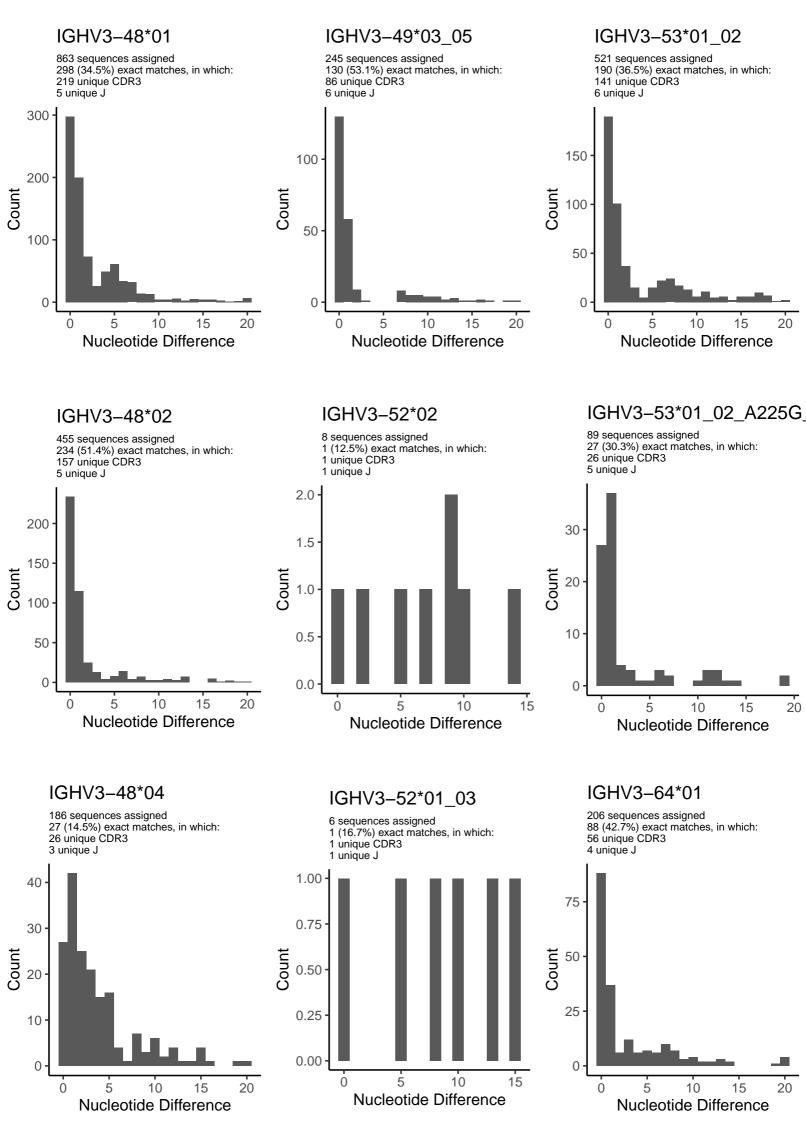


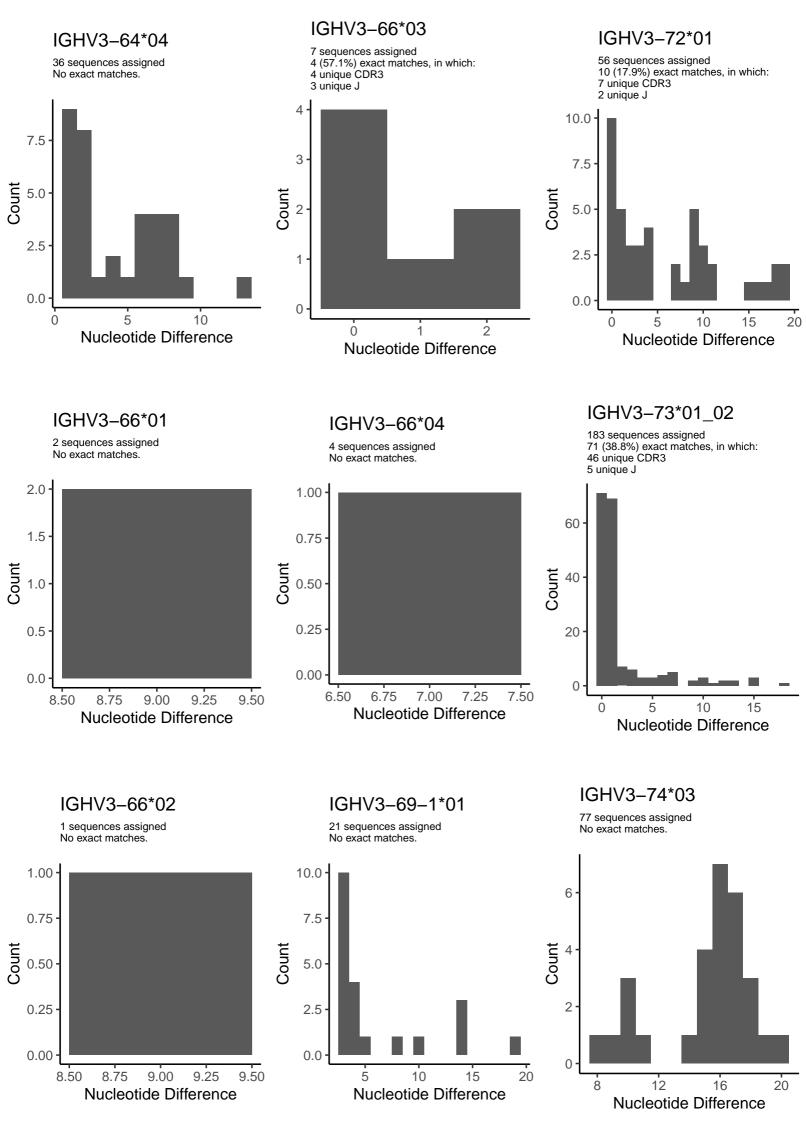


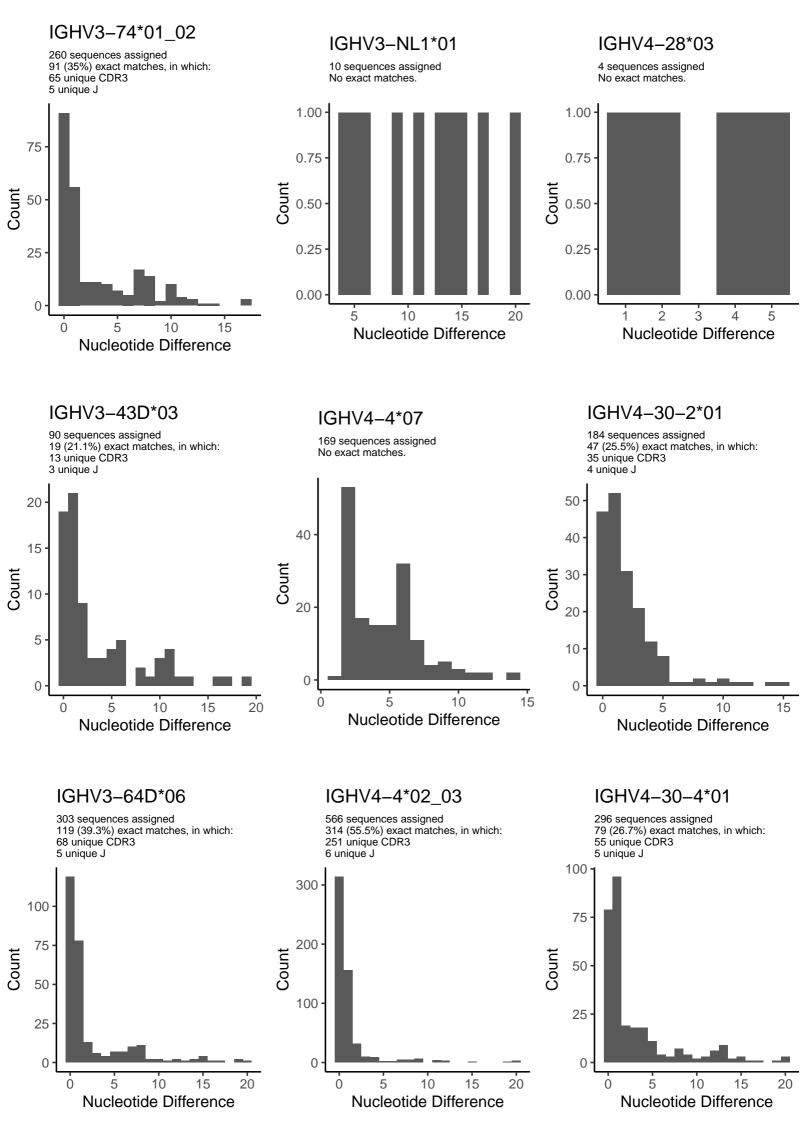


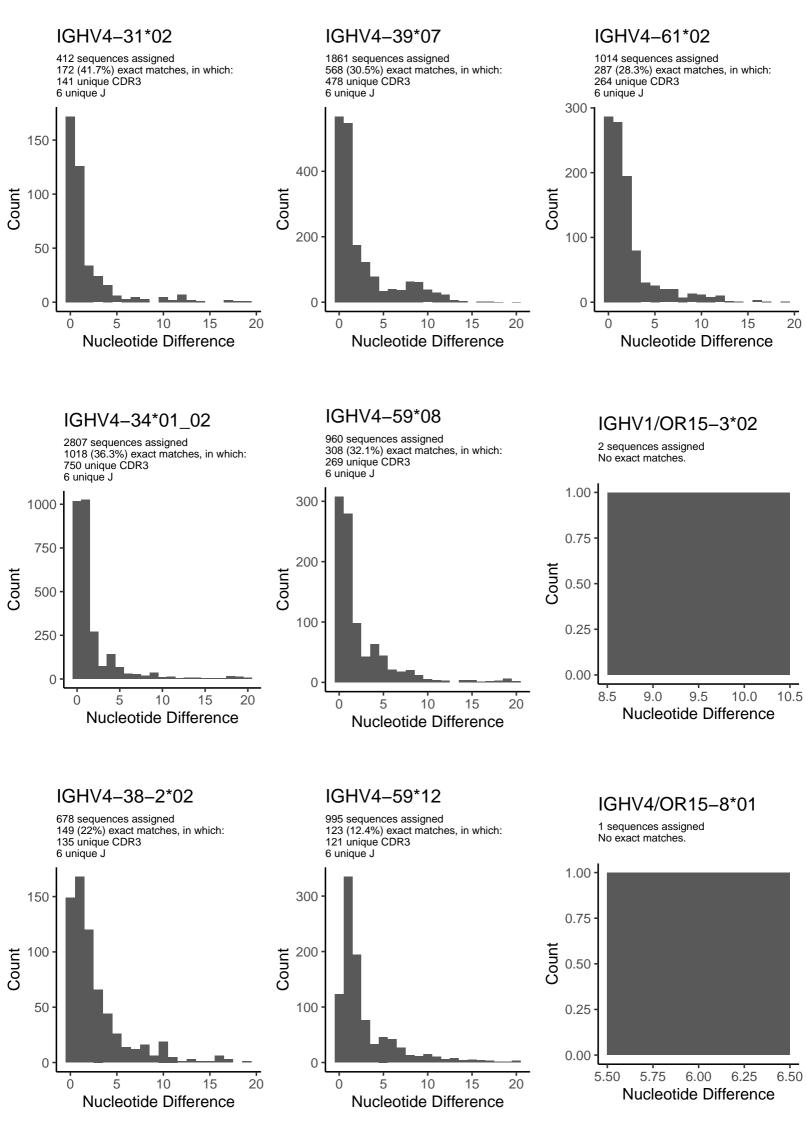






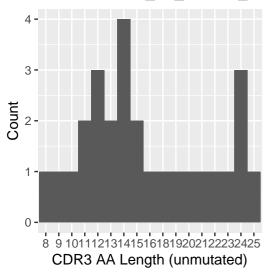




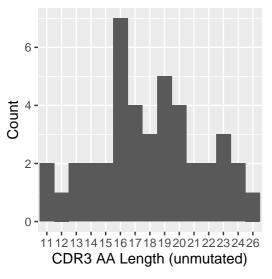


## IGHV6-1\*01\_02 IGHV4/OR15-8\*02 562 sequences assigned 148 (26.3%) exact matches, in which: 1 sequences assigned No exact matches. 130 unique CDR3 5 unique J 1.00 -0.75 200 Count 0.50 100 0.25 0.00 19.50 19.75 20.00 20.25 0 5 10 15 **Nucleotide Difference** Nucleotide Difference IGHV6-1\*01\_02\_A315G IGHV5-10-1\*01\_03 111 sequences assigned 42 (37.8%) exact matches, in which: 42 unique CDR3 501 sequences assigned 193 (38.5%) exact matches, in which: 133 unique CDR3 4 unique J 5 unique J 200 -40 150 30 Count 100 20 50 10 0 0 5 10 15 20 0 0 8 **Nucleotide Difference** Nucleotide Difference IGHV5-51\*07 IGHV7-4-1\*02 26 sequences assigned 424 sequences assigned 13 (50%) exact matches, in which: 105 (24.8%) exact matches, in which: 13 unique CDR3 95 unique CDR3 3 unique J 6 unique J 150 10 100 Count 5 50 0 0 10 15 2.5 5.0 7.5 0.0 10.0 Nucleotide Difference Nucleotide Difference

## IGHV3-53\*01\_02\_A225G\_T267G\_G303A



## IGHV6-1\*01\_02\_A315G





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