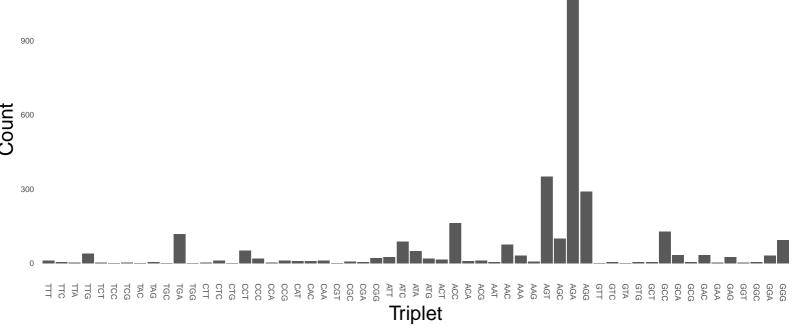
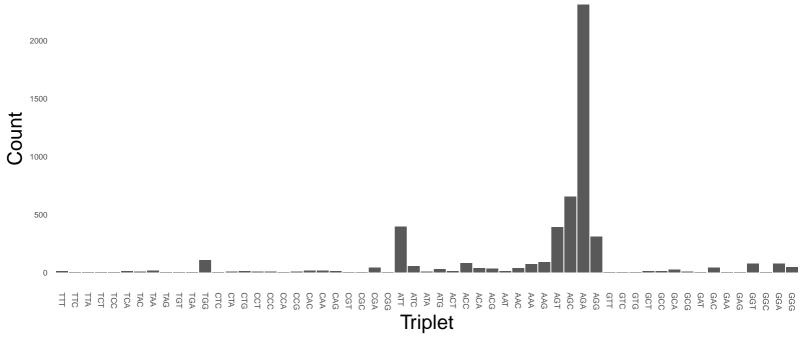
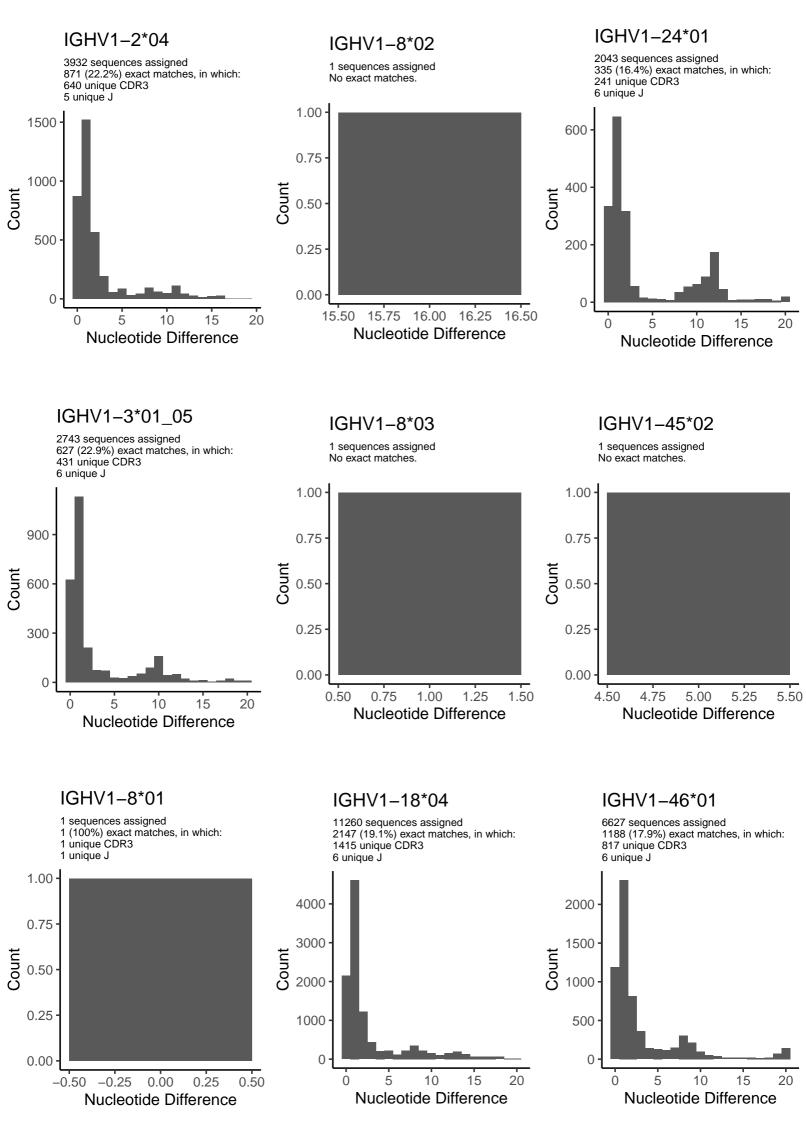


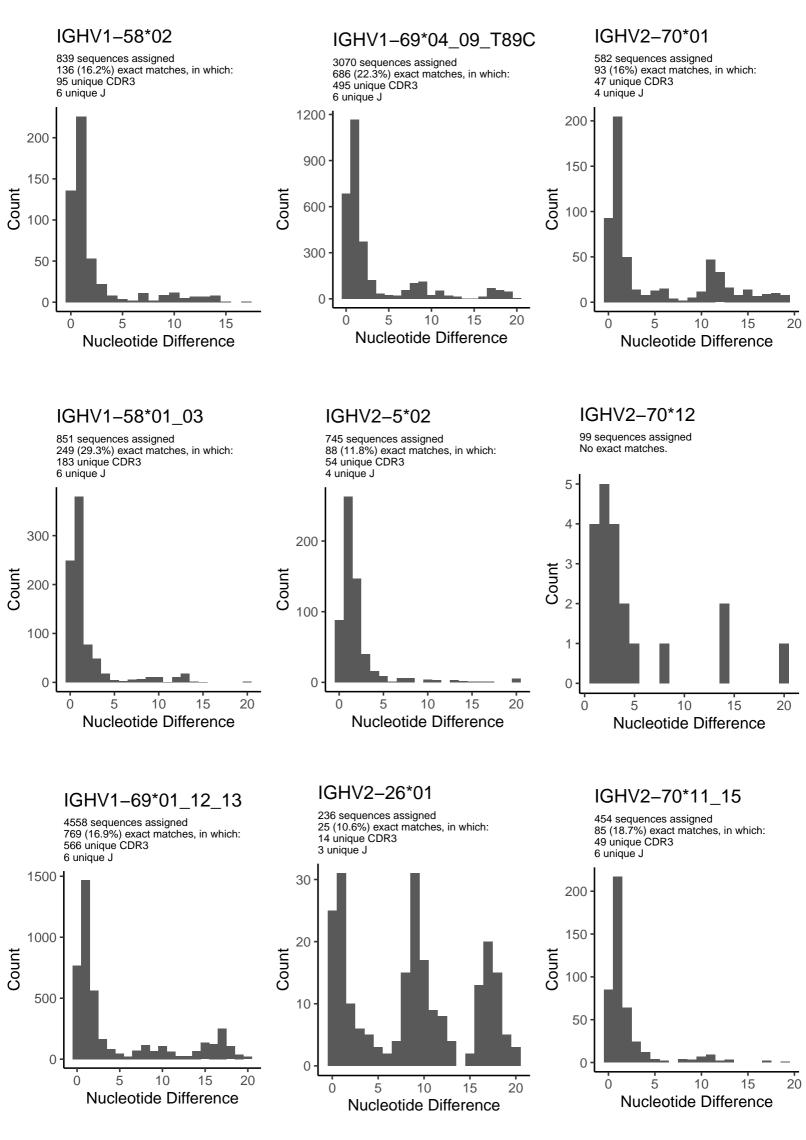
IGHV1-69*04_09_T89C- Final 3 nucleotides as a triplet

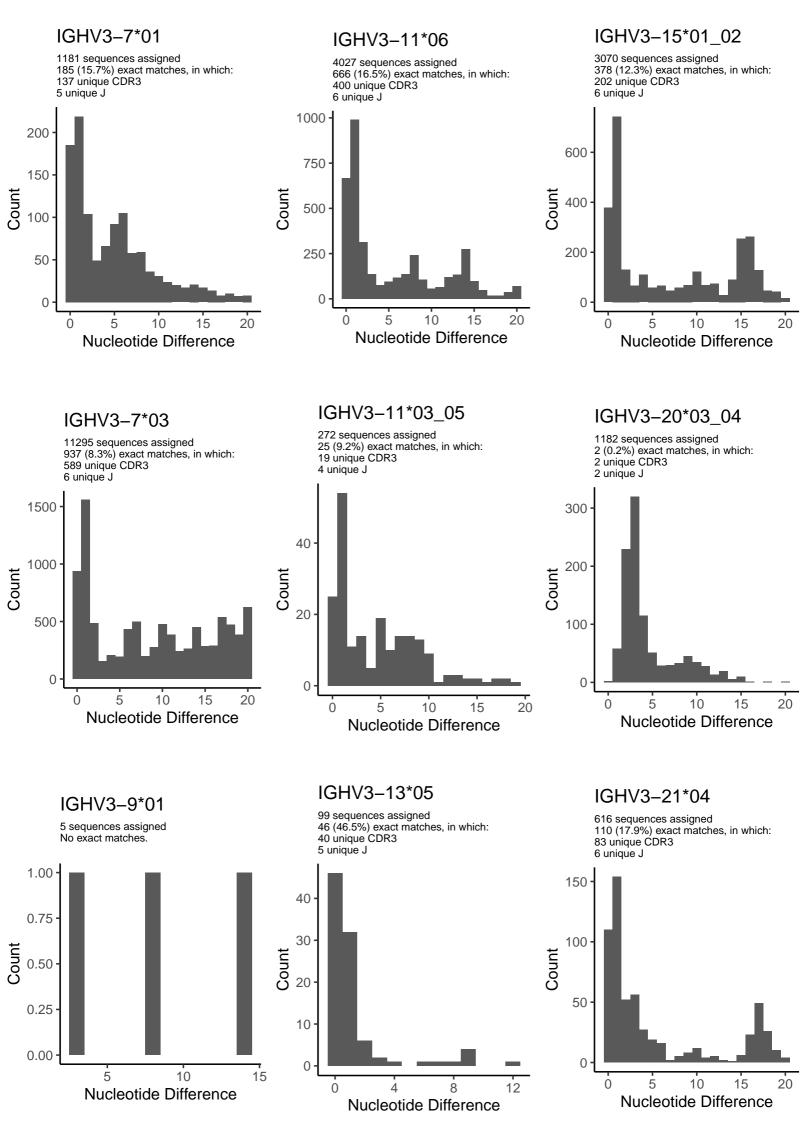


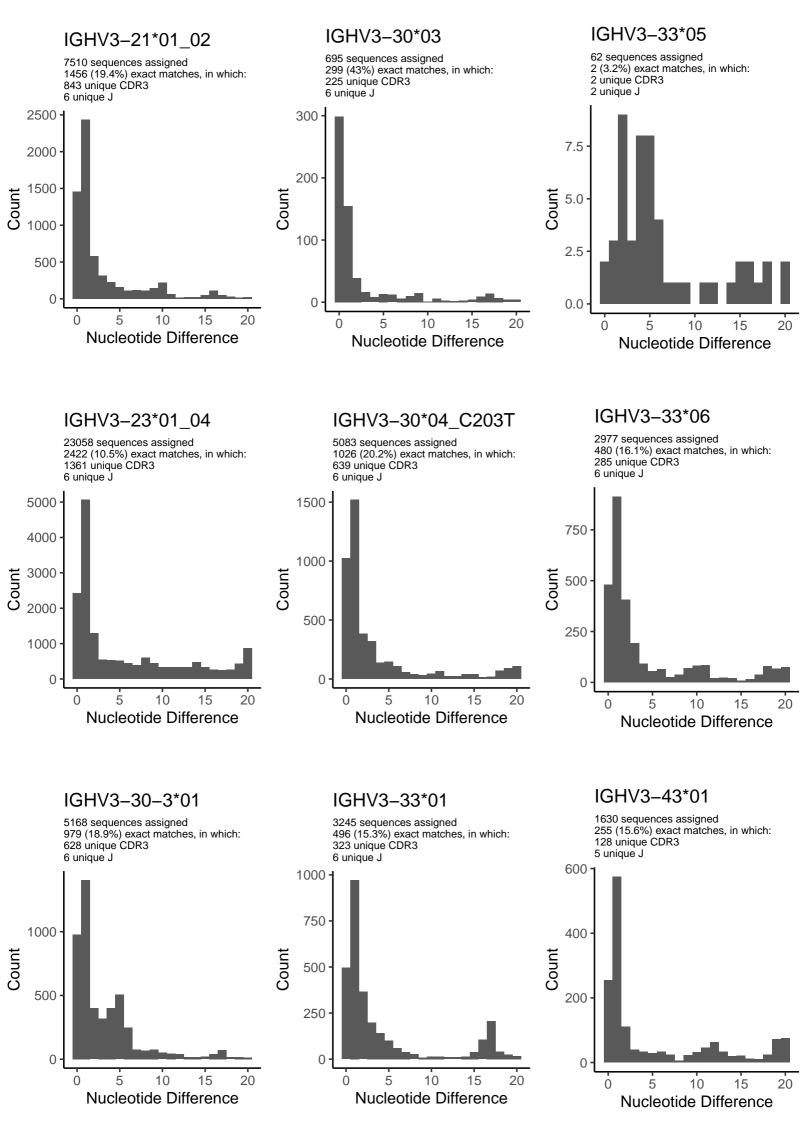
IGHV3-30*04_C203T- Final 3 nucleotides as a triplet

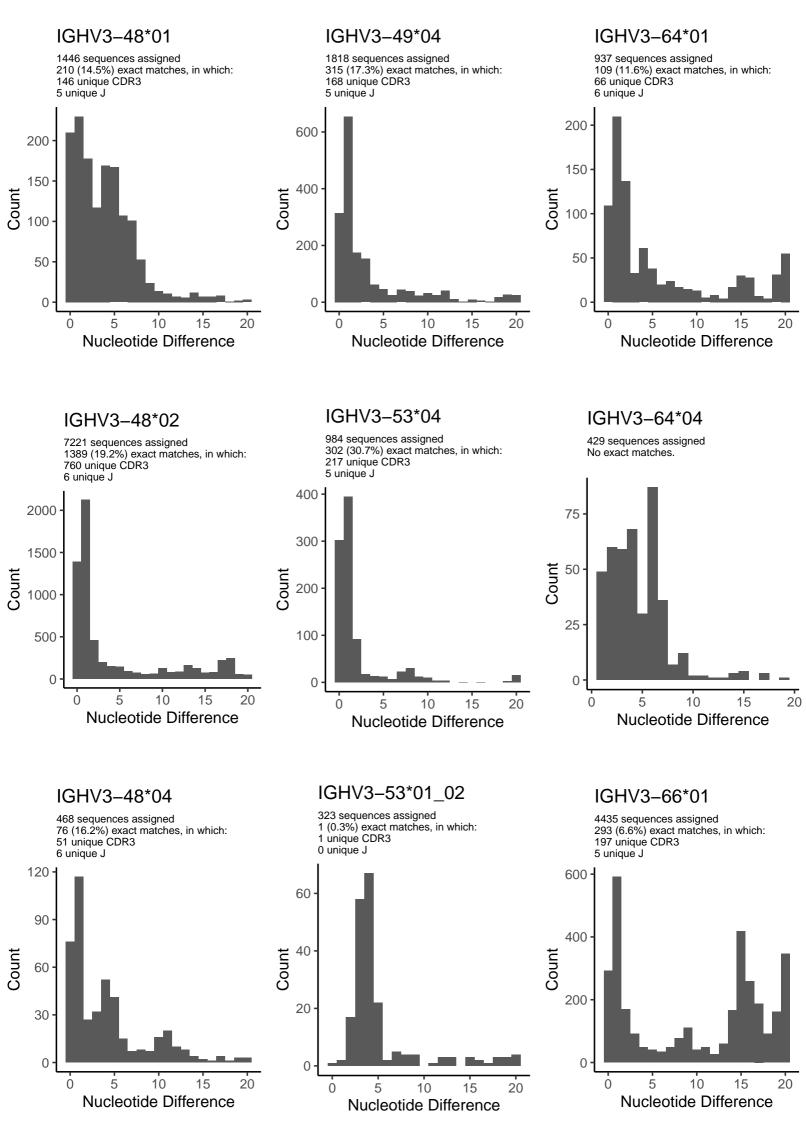


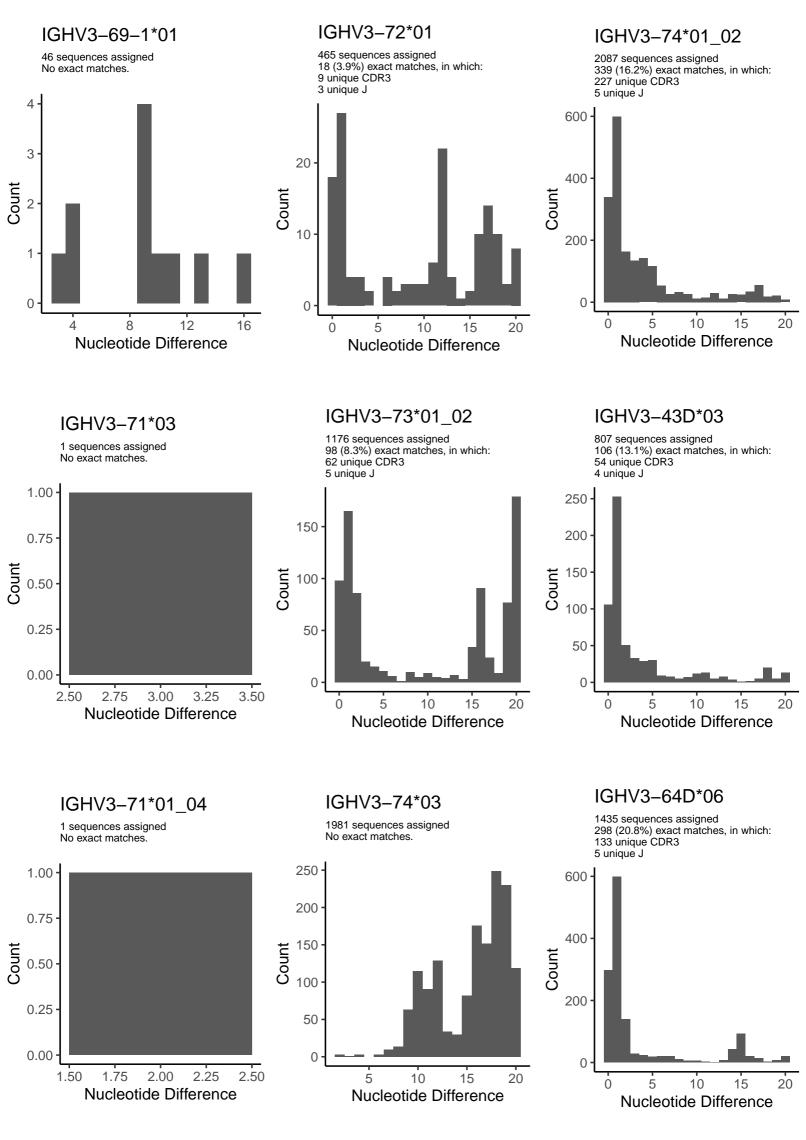


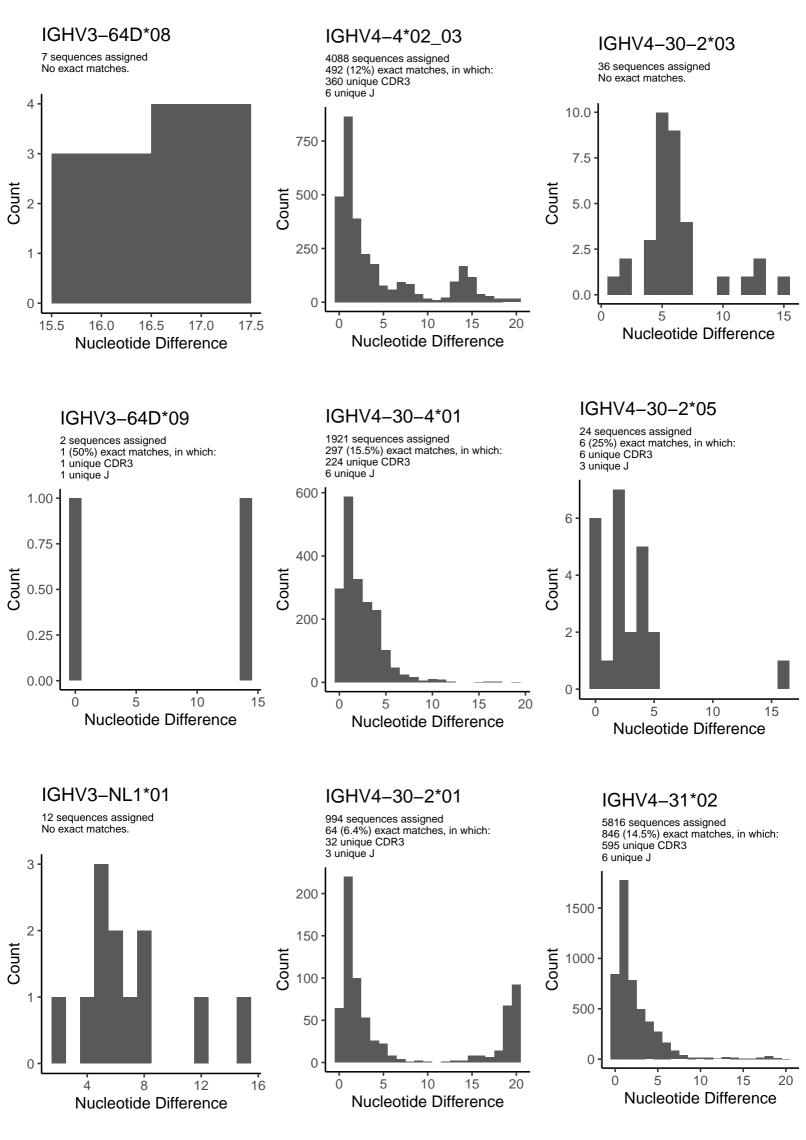


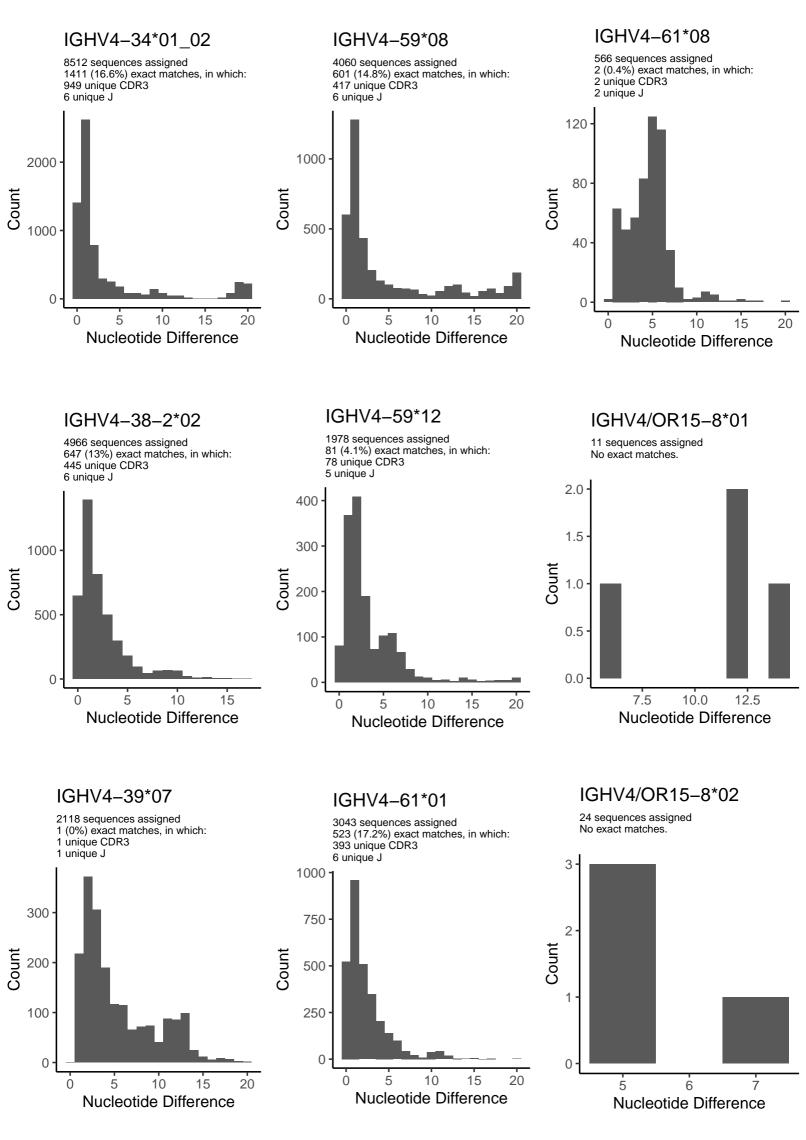




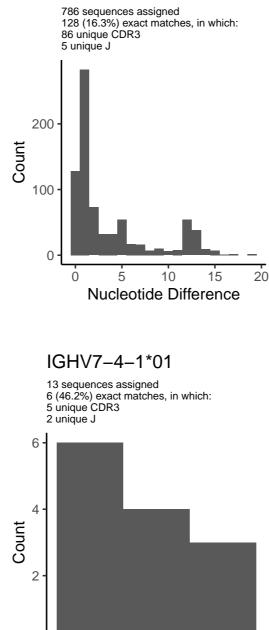








IGHV6-1*01_02 IGHV5-10-1*01_03 5216 sequences assigned 1131 (21.7%) exact matches, in which: 634 unique CDR3 6 unique J 2000 1500 200 Count 1000 100 500 0 0 0 10 15 0 **Nucleotide Difference** IGHV5-51*07 1575 sequences assigned 15 (1%) exact matches, in which: 14 unique CDR3 2 unique J 5 unique J 6 600



0

0

Nucleotide Difference

2

IGHV5-51*01_03

400

200

0

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Count

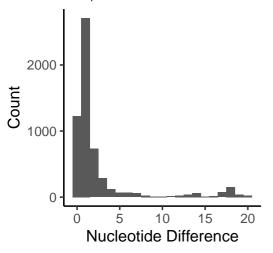
6808 sequences assigned 1229 (18.1%) exact matches, in which: 612 unique CDR3 5 unique J

10

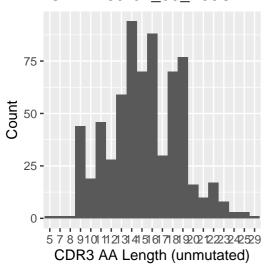
Nucleotide Difference

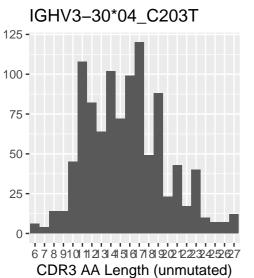
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IGHV1-69*04_09_T89C





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