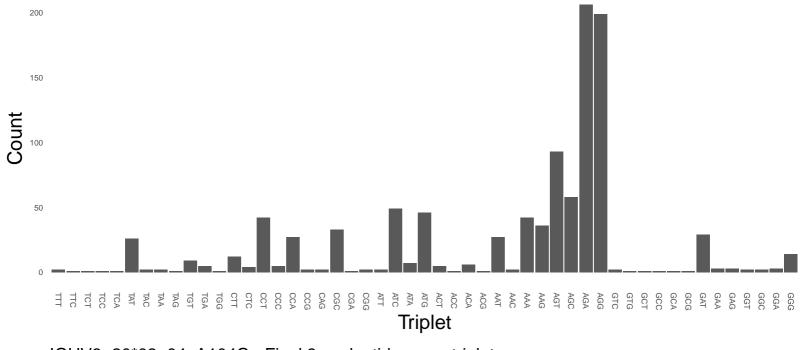
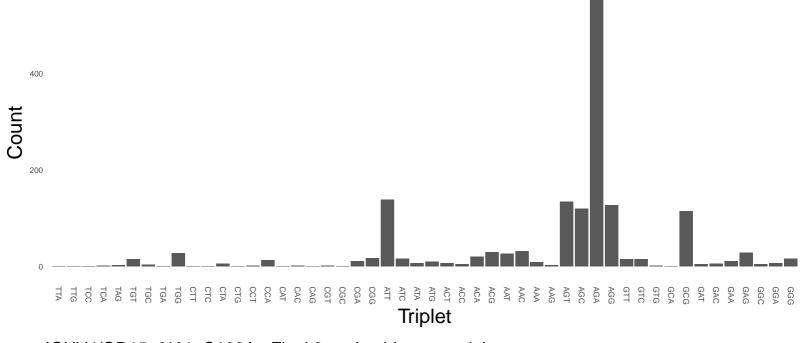


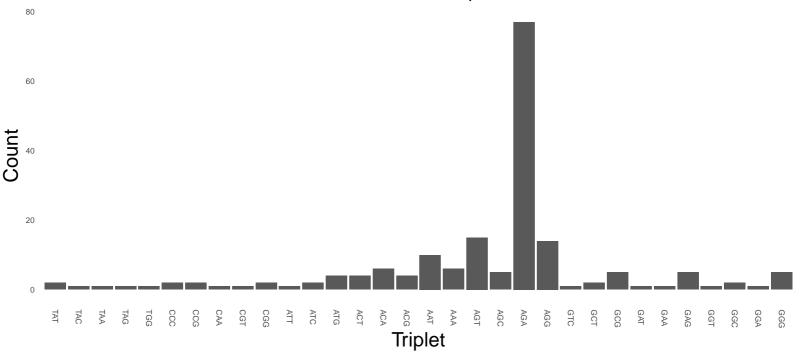
IGHV1-24\*01\_G278T- Final 3 nucleotides as a triplet

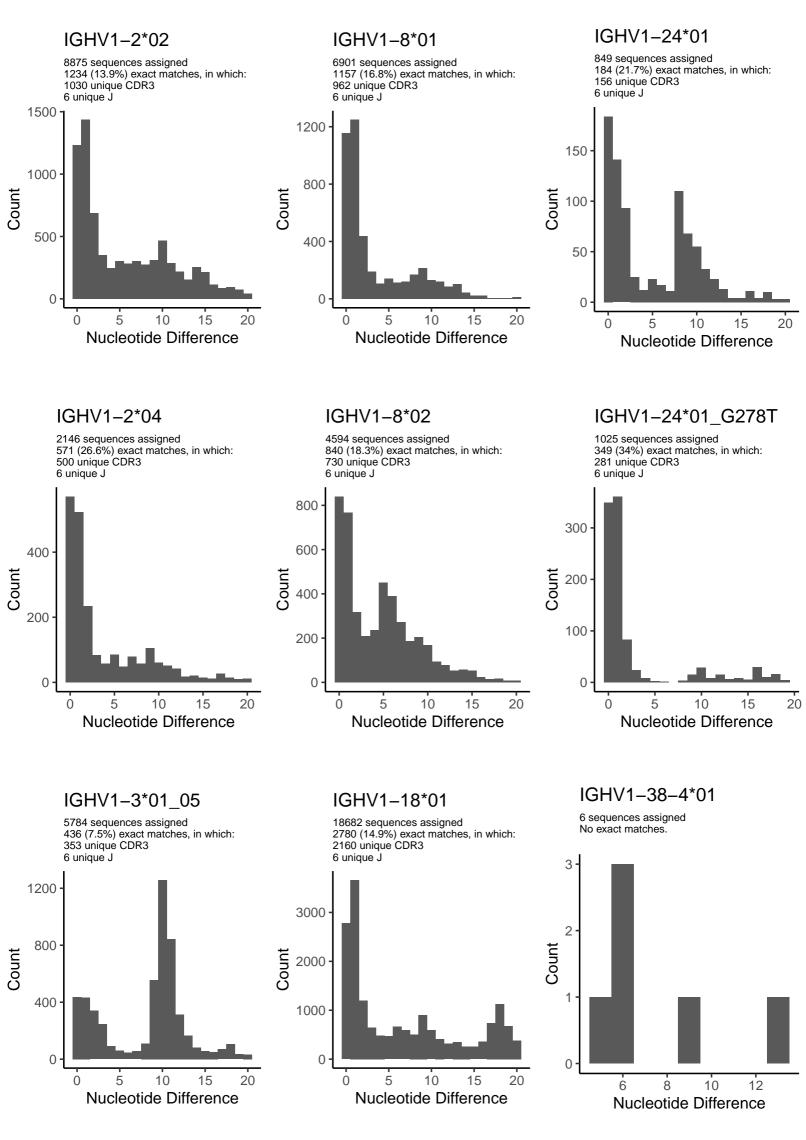


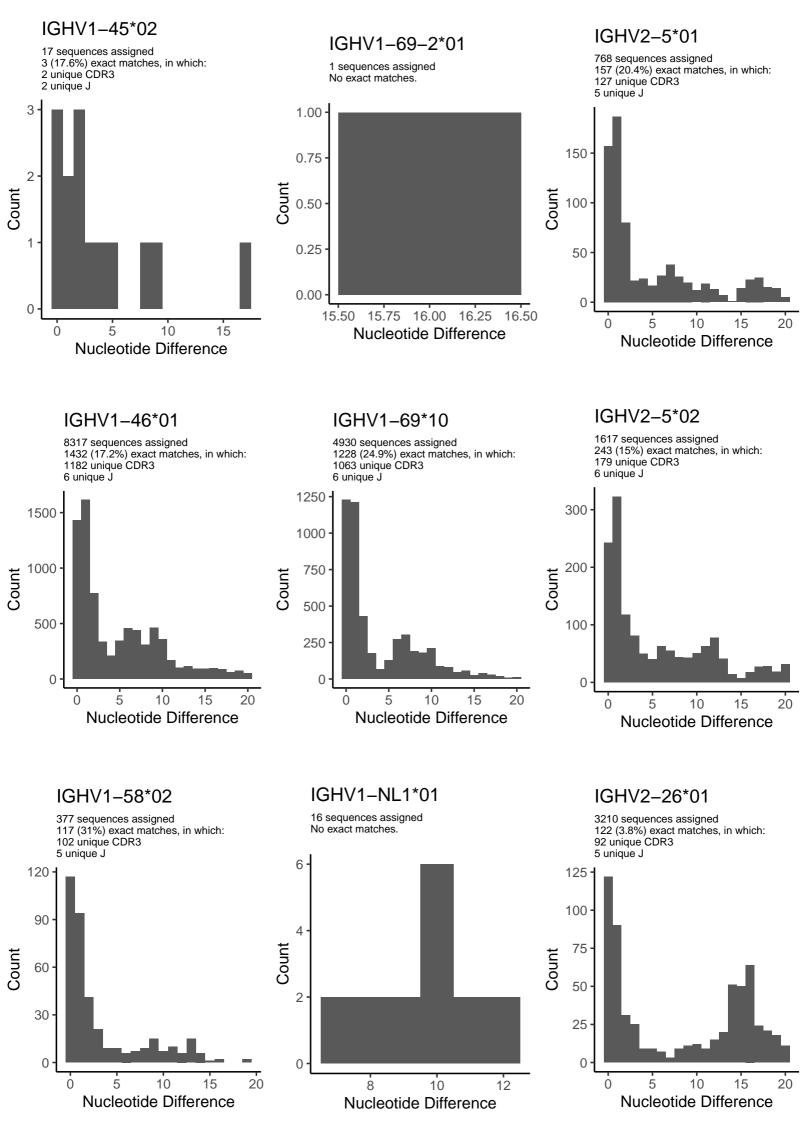
IGHV3-20\*03\_04\_A104G- Final 3 nucleotides as a triplet

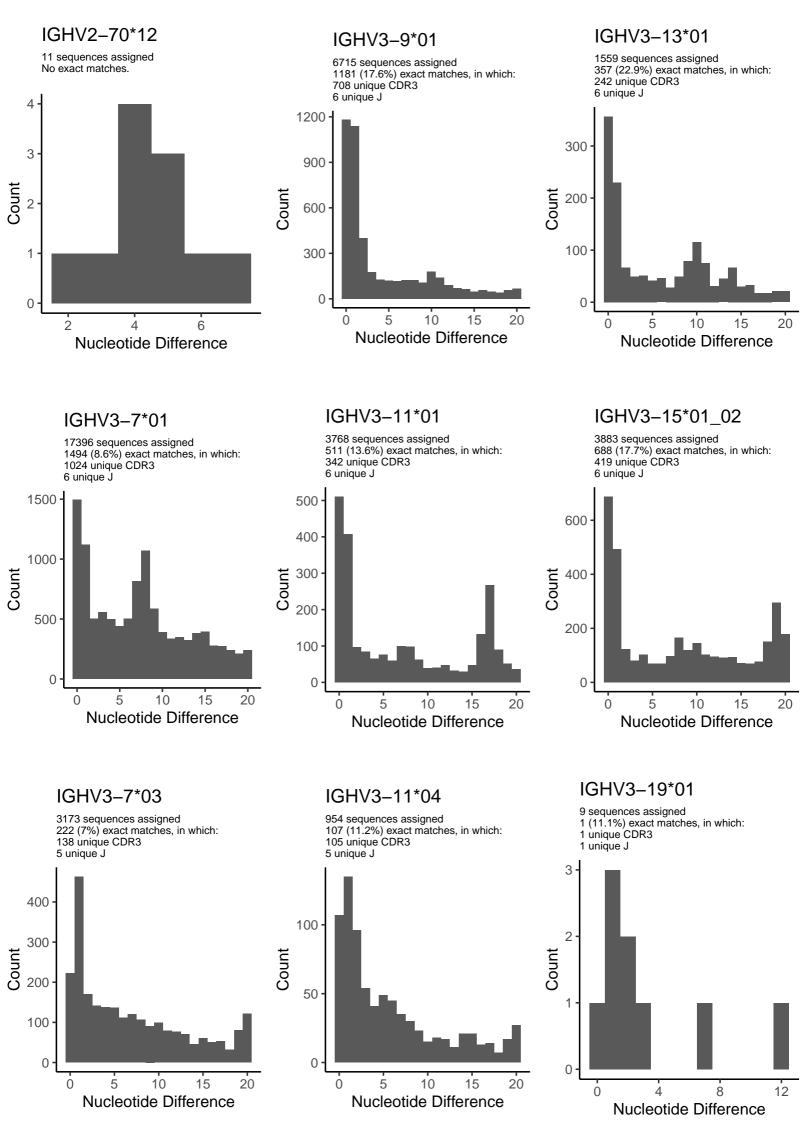


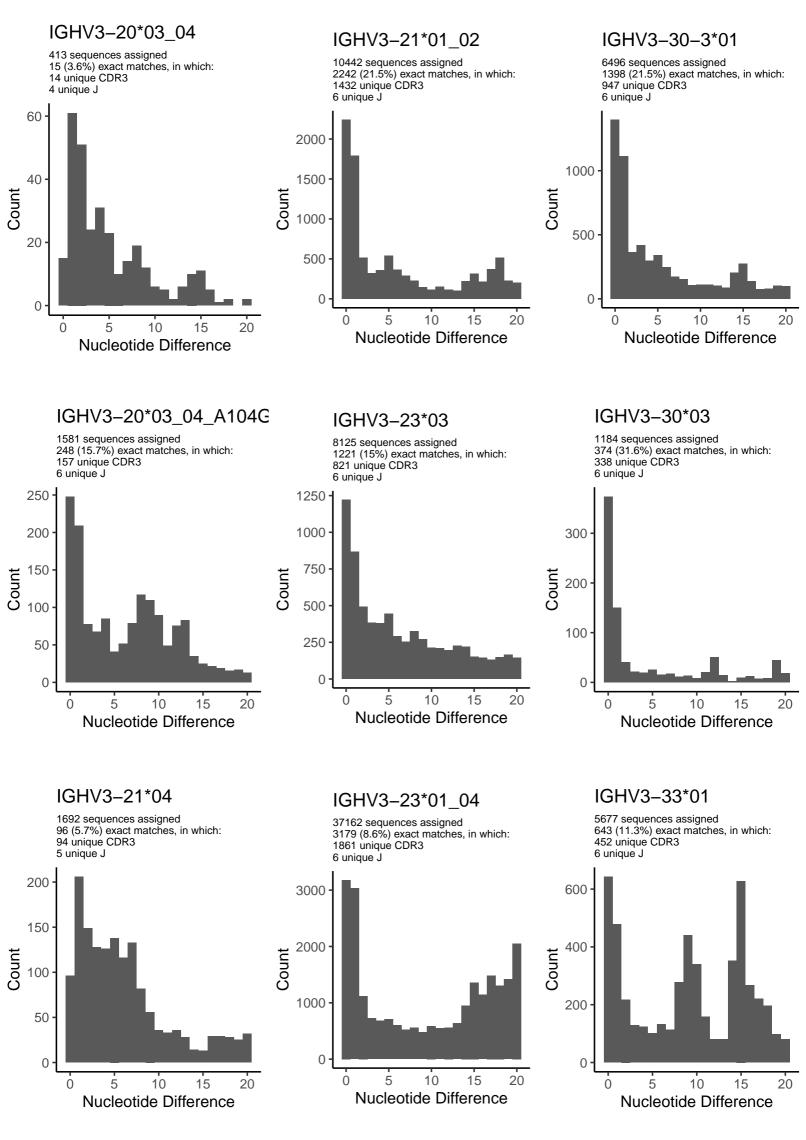
IGHV4/OR15-8\*01\_C193A- Final 3 nucleotides as a triplet

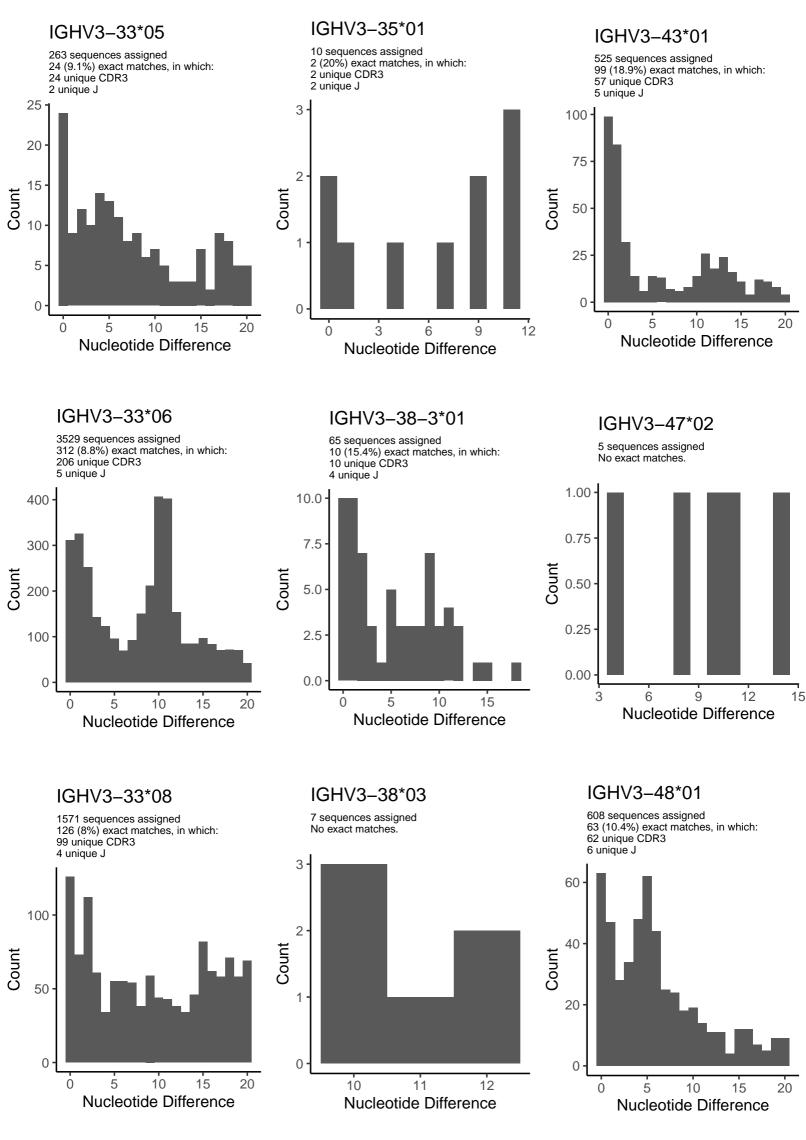


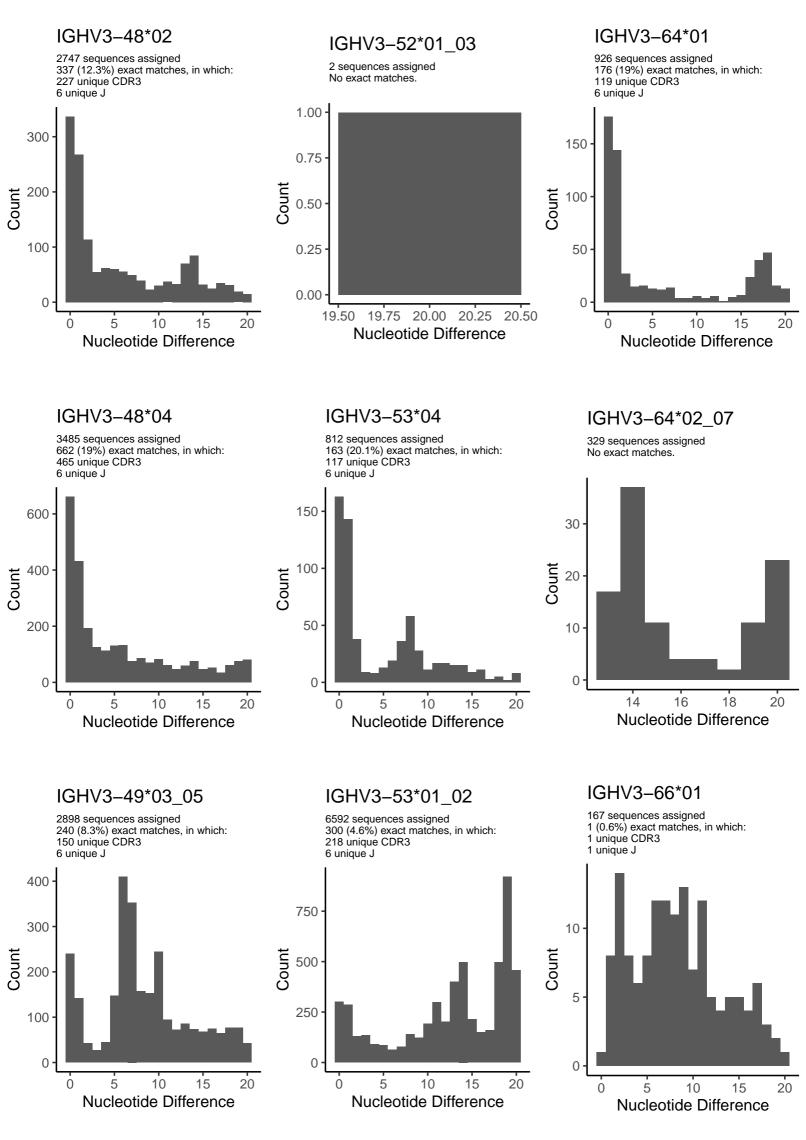


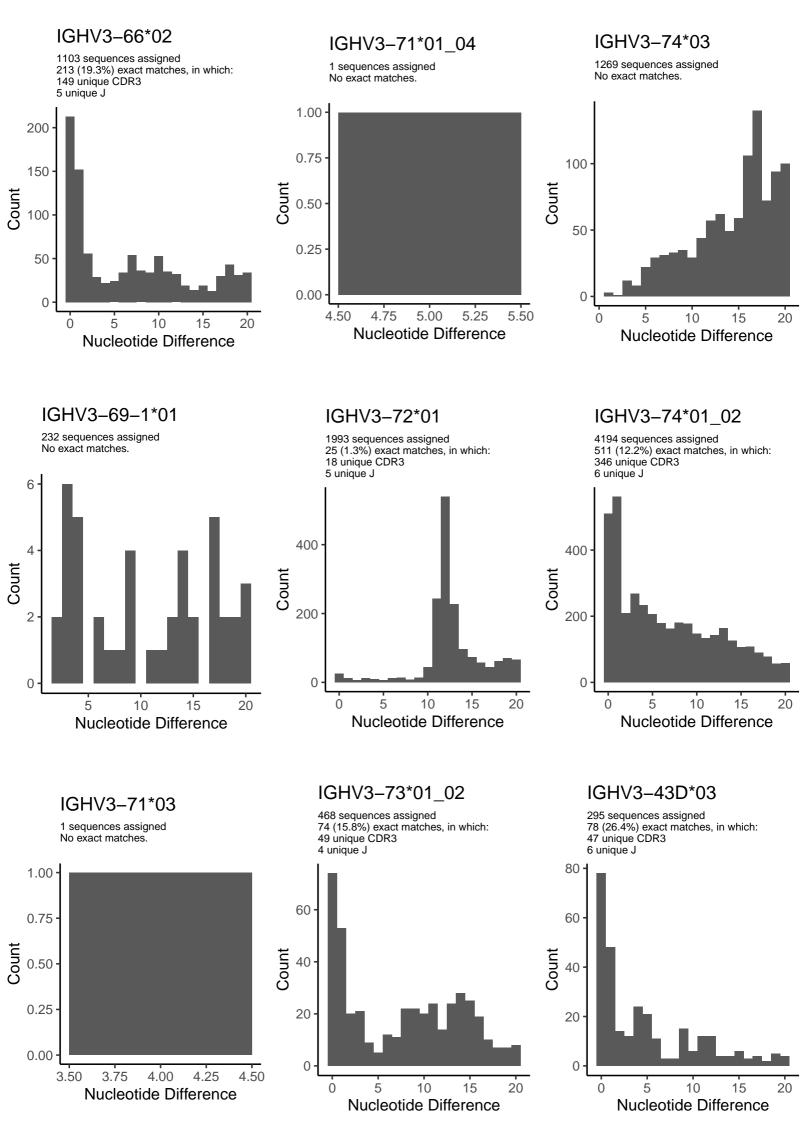


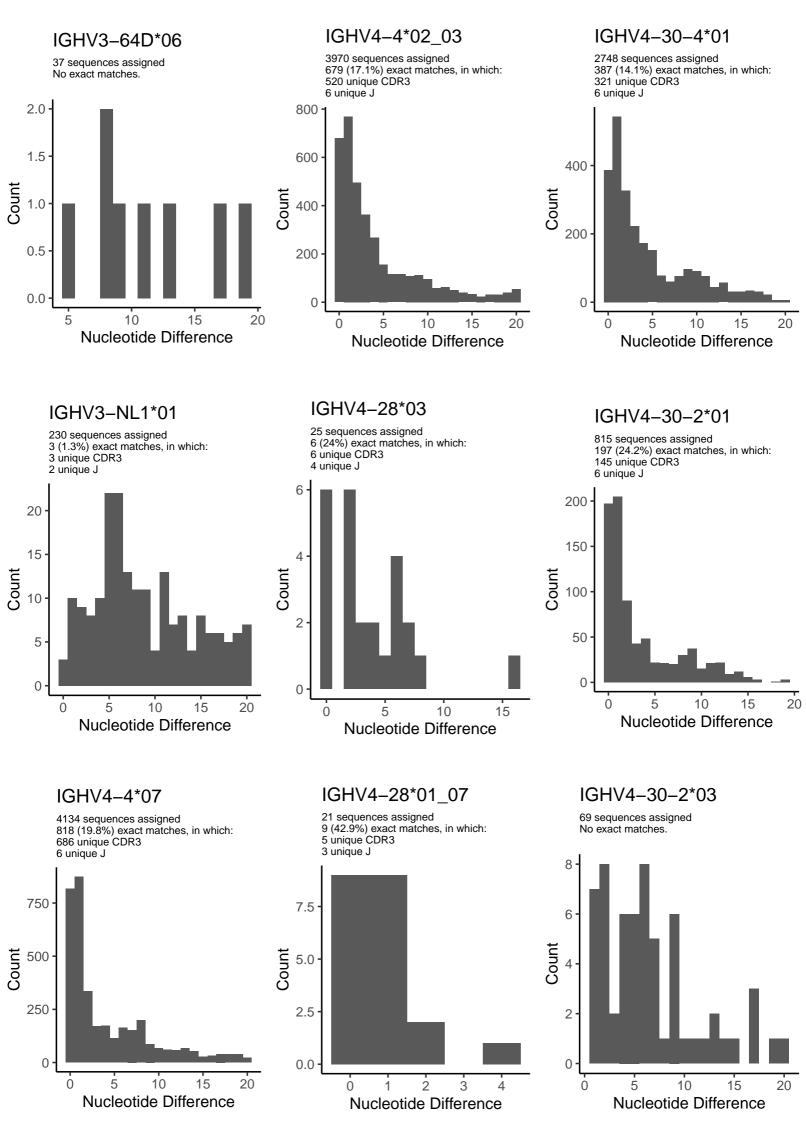


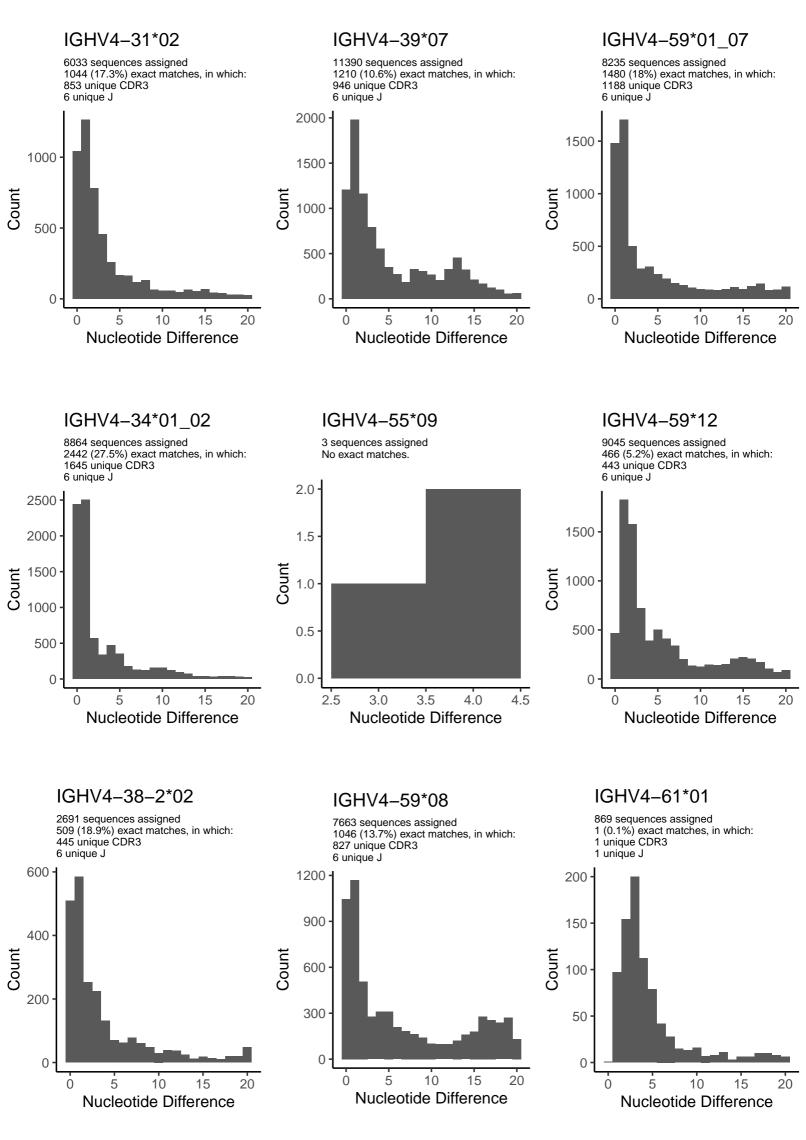


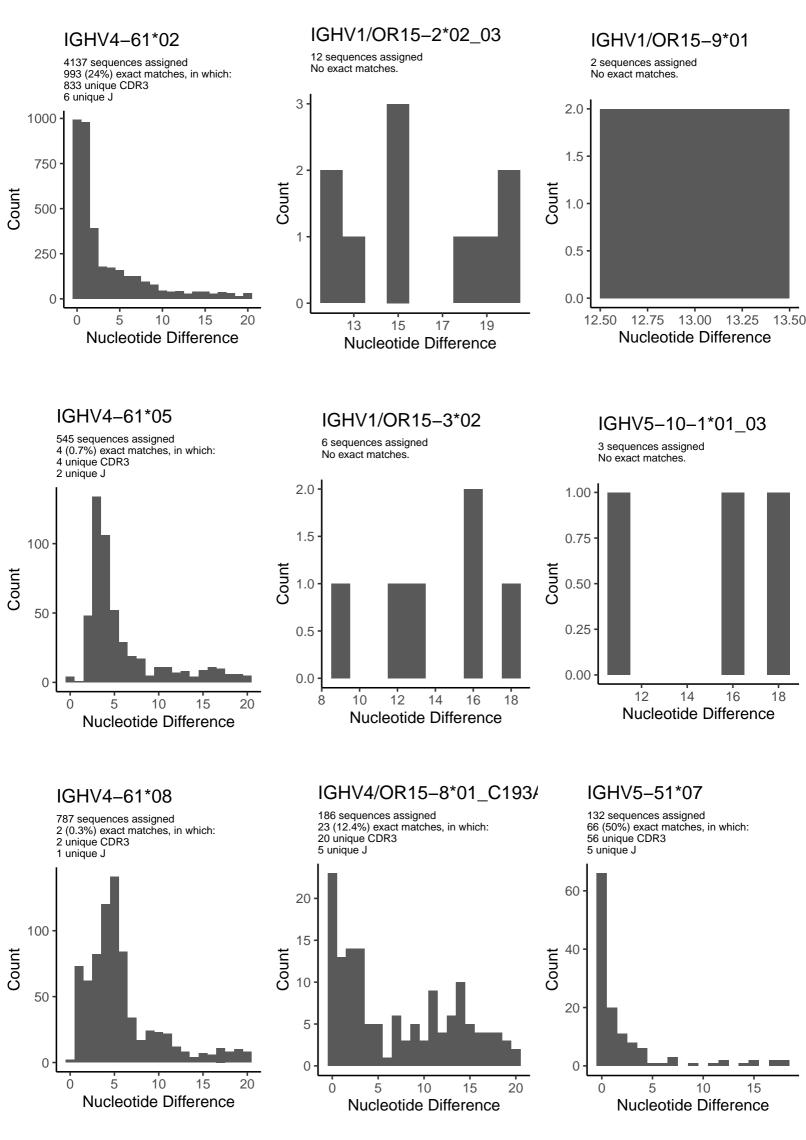








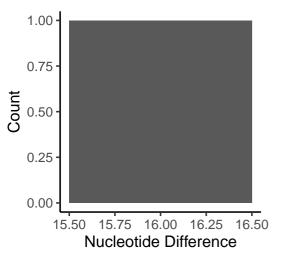




#### IGHV6-1\*01\_02 IGHV7-40\*03 3470 sequences assigned 189 (5.4%) exact matches, in which: 153 unique CDR3 2 sequences assigned No exact matches. 6 unique J 1.00 -600 0.75 Count Count 400 Count 200 0.25 0.00 0 7.0 5.5 6.0 6.5 7.5 10 15 5 20 **Nucleotide Difference Nucleotide Difference**

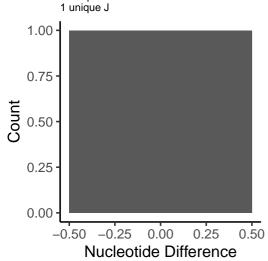
### IGHV3/OR16-6\*02

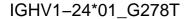
1 sequences assigned No exact matches.

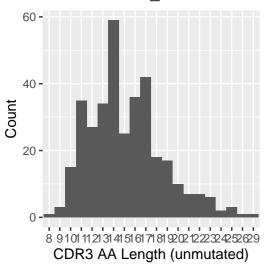


## IGHV7-4-1\*02

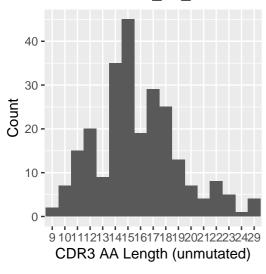
1 sequences assigned 1 (100%) exact matches, in which: 1 unique CDR3



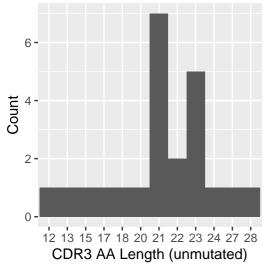




# IGHV3-20\*03\_04\_A104G



# IGHV4/OR15-8\*01\_C193A





talling to more sequences out a	
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