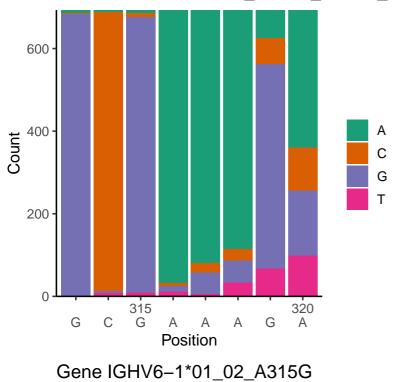
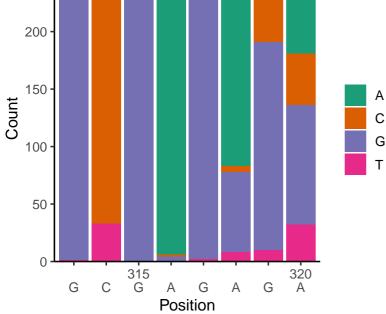
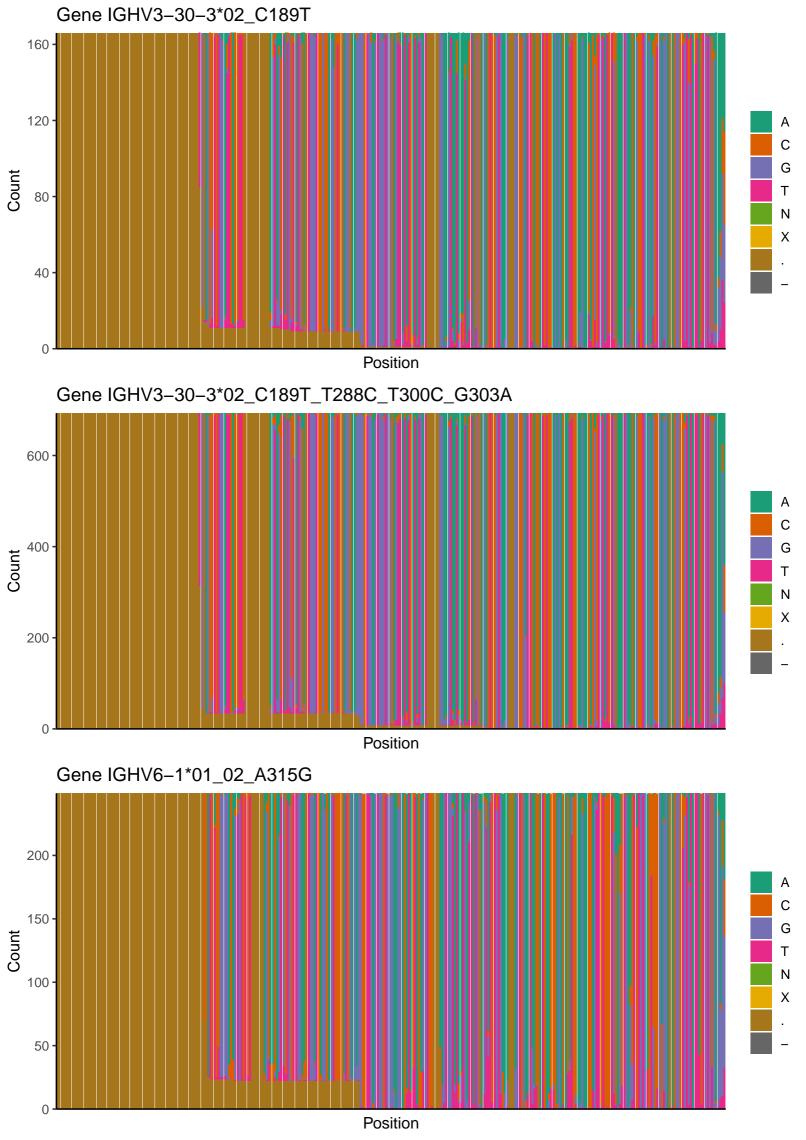


Gene IGHV3-30-3*02_C189T_T288C_T300C_G303A

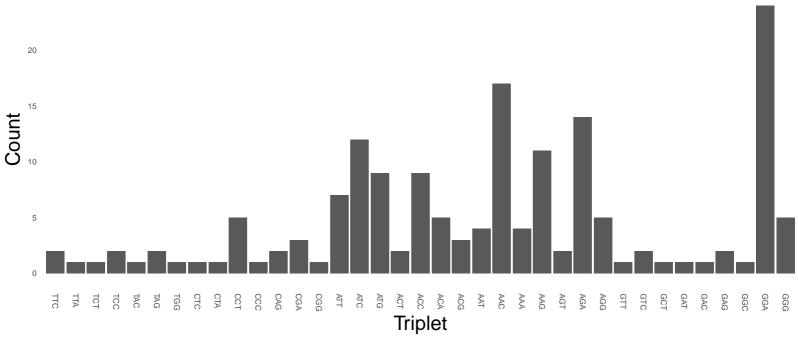




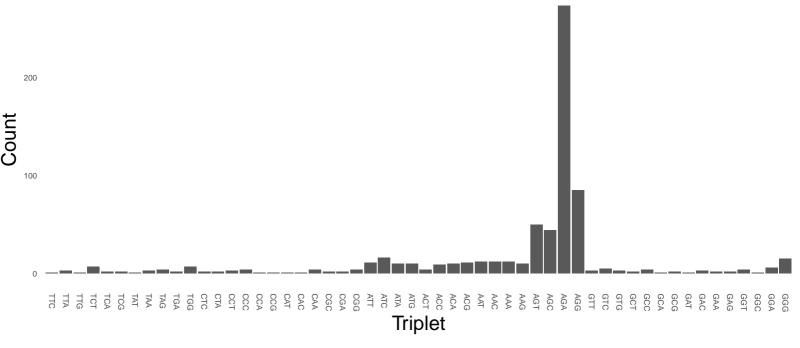




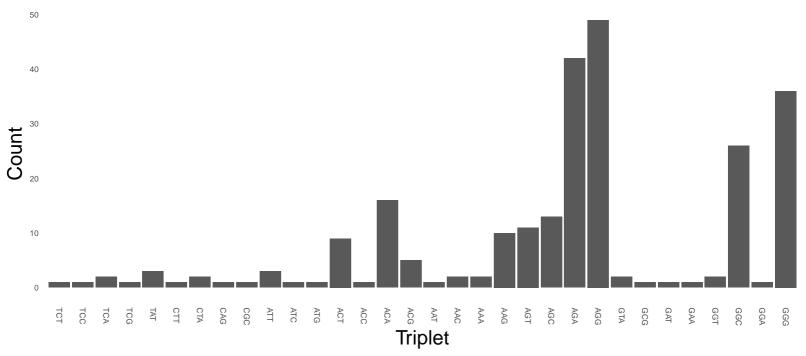
IGHV3-30-3*02_C189T- Final 3 nucleotides as a triplet

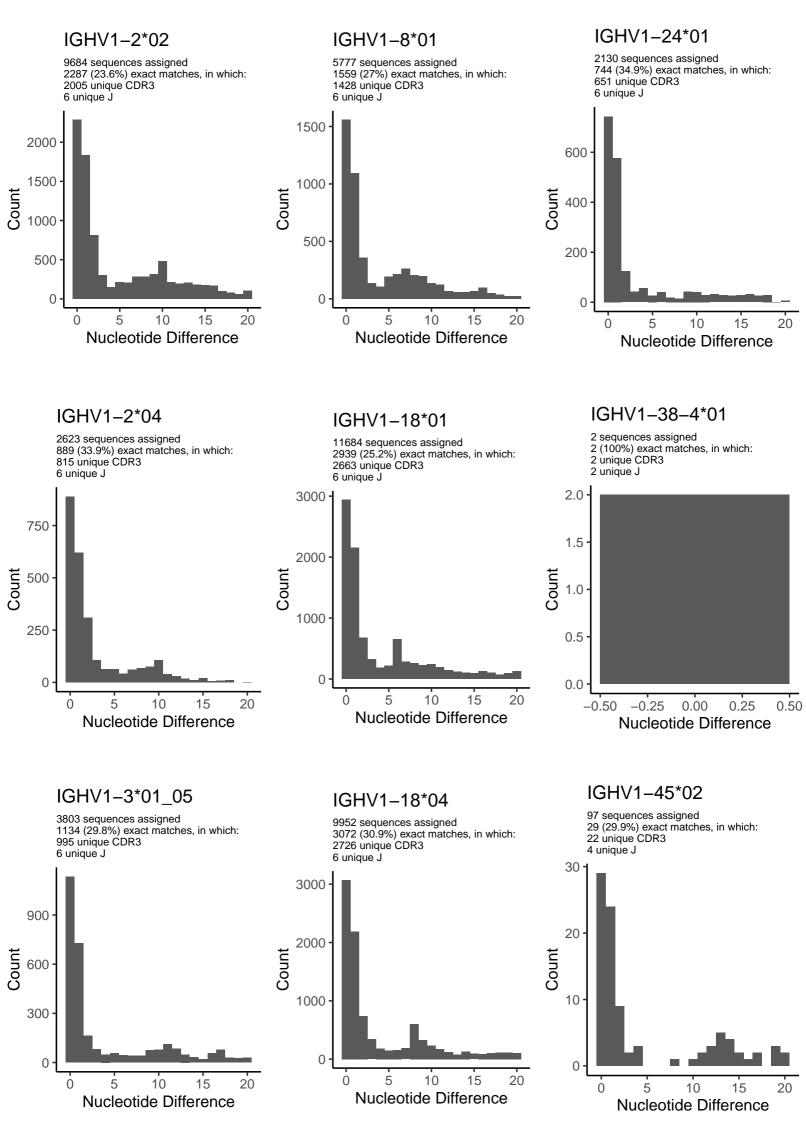


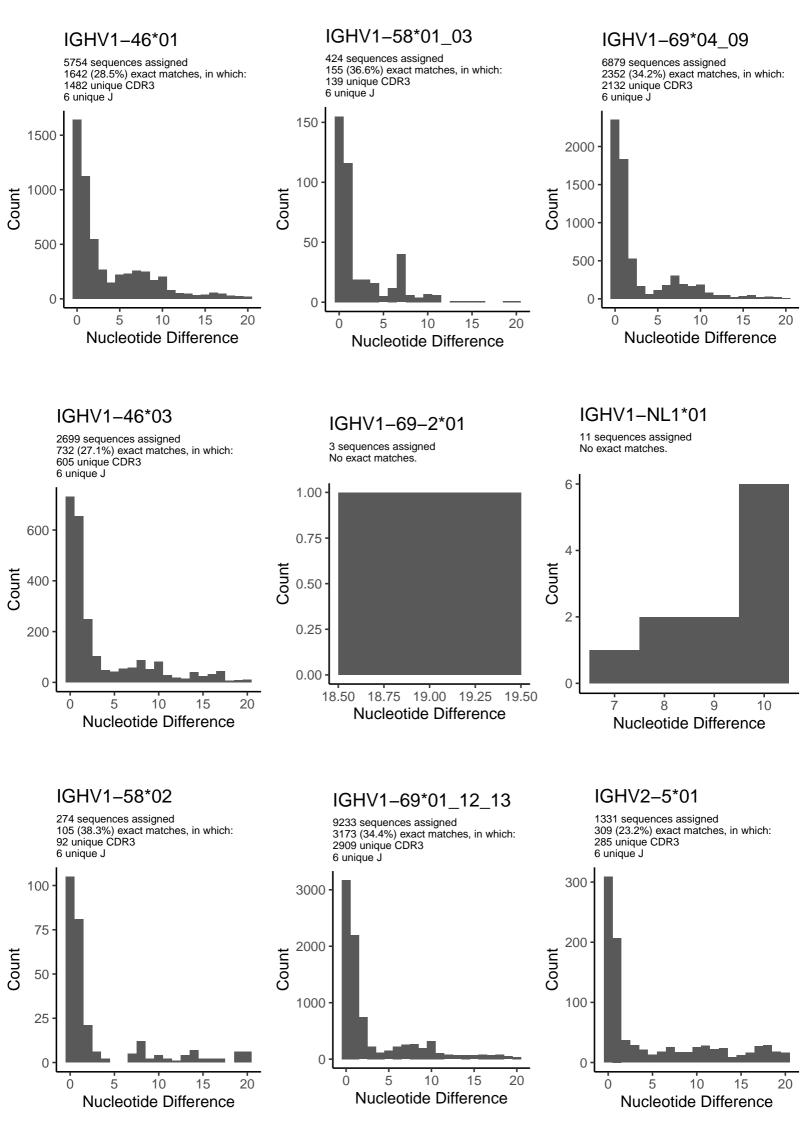
IGHV3-30-3*02_C189T_T288C_T300C_G303A- Final 3 nucleotides as a triplet

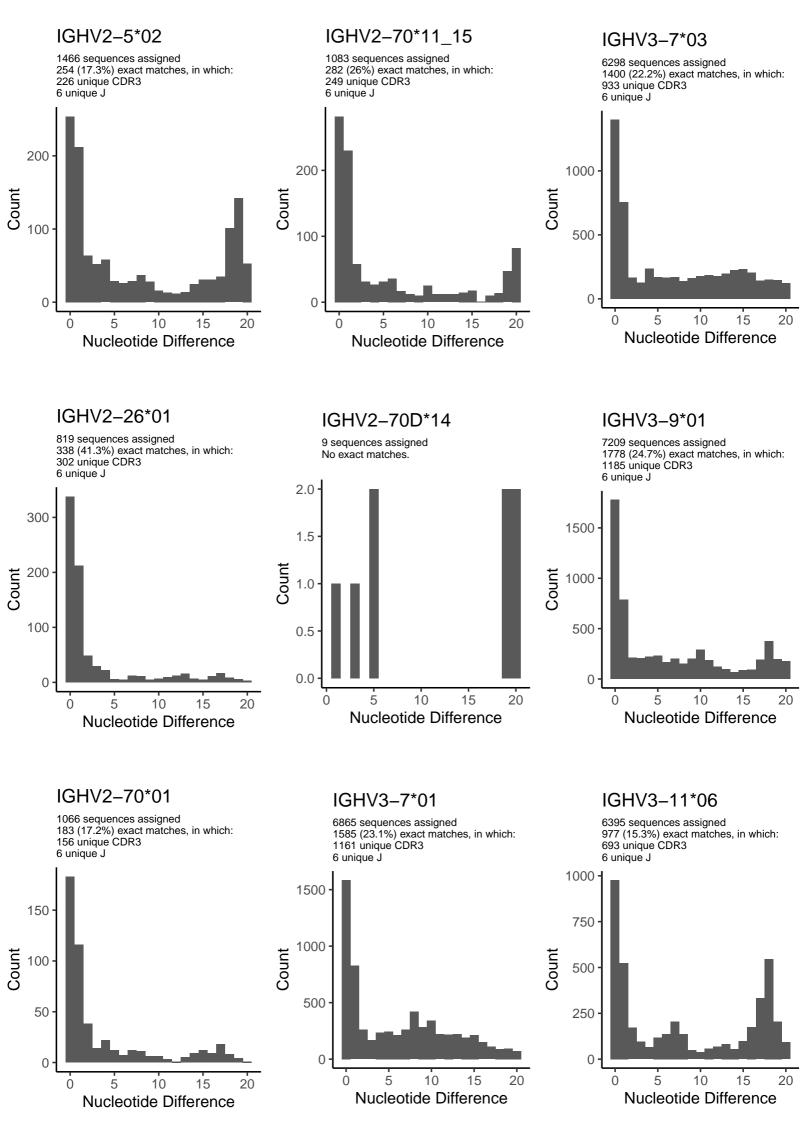


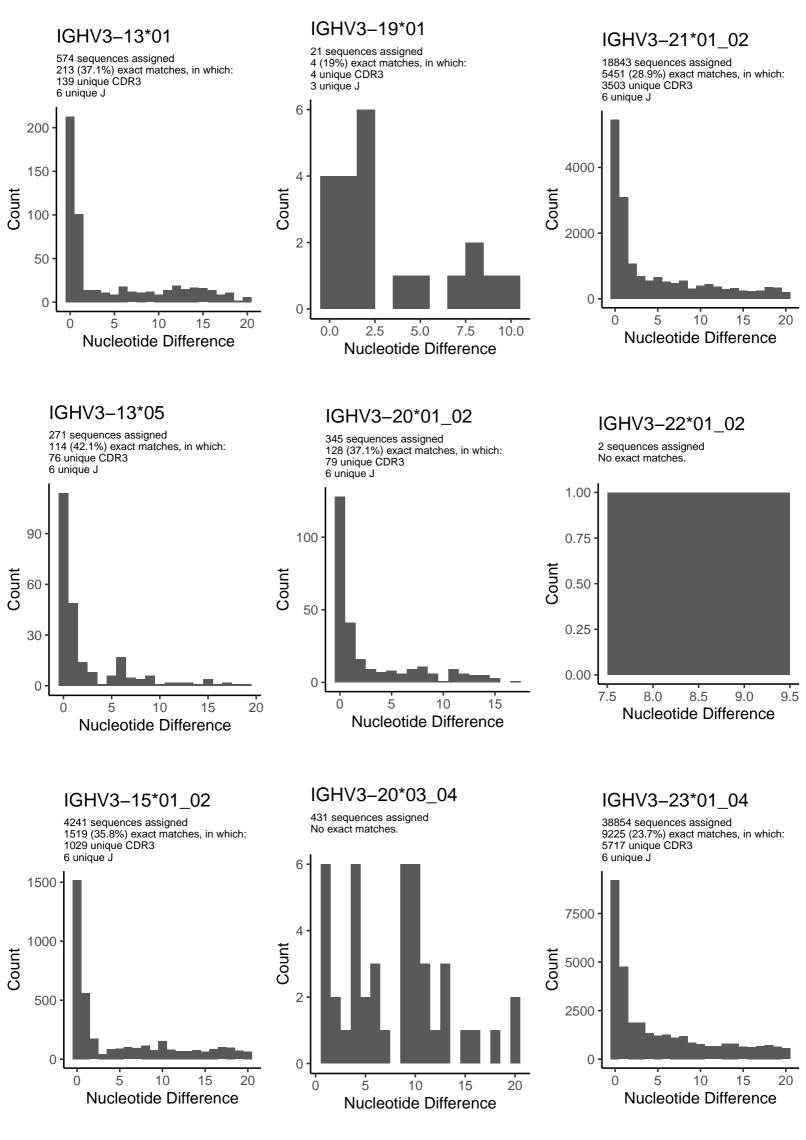
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

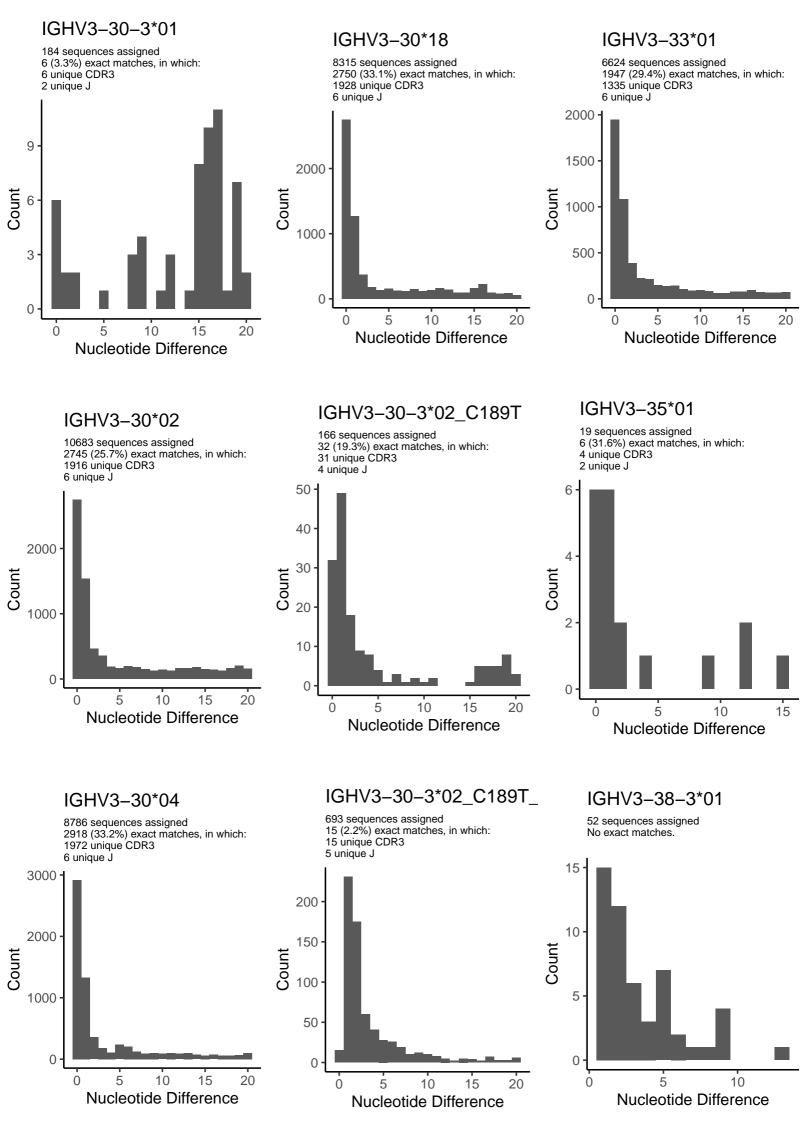


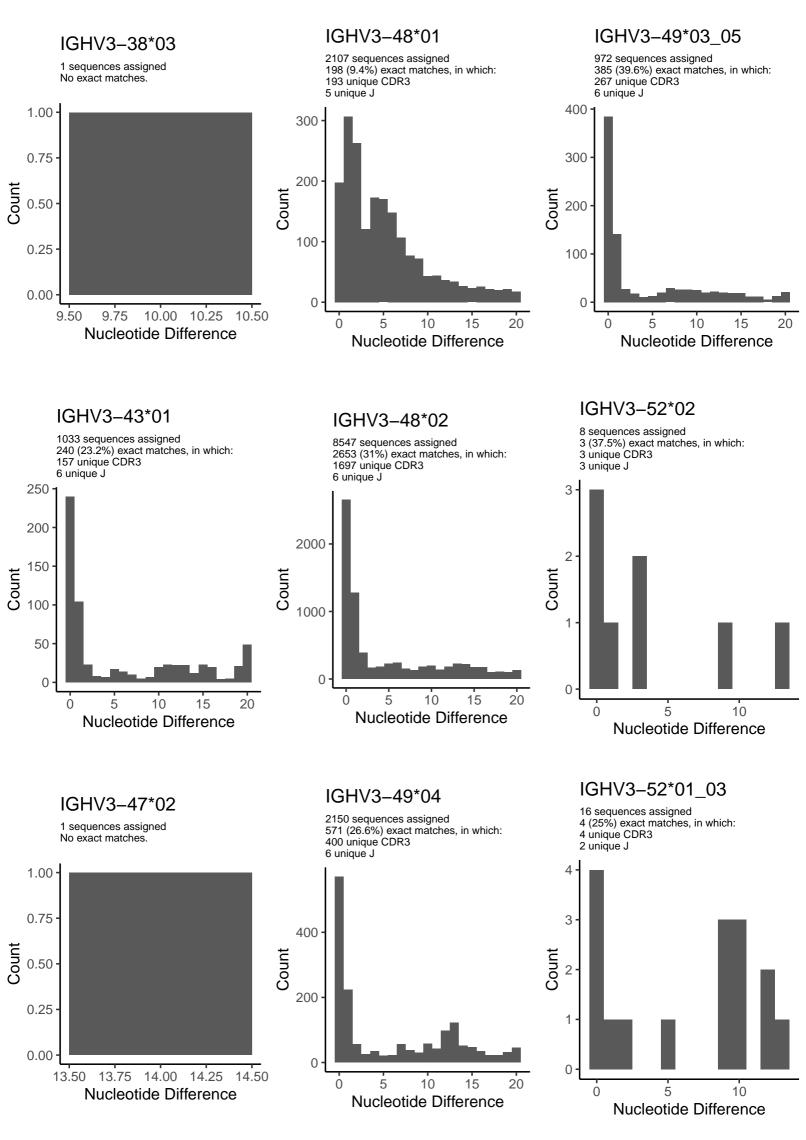


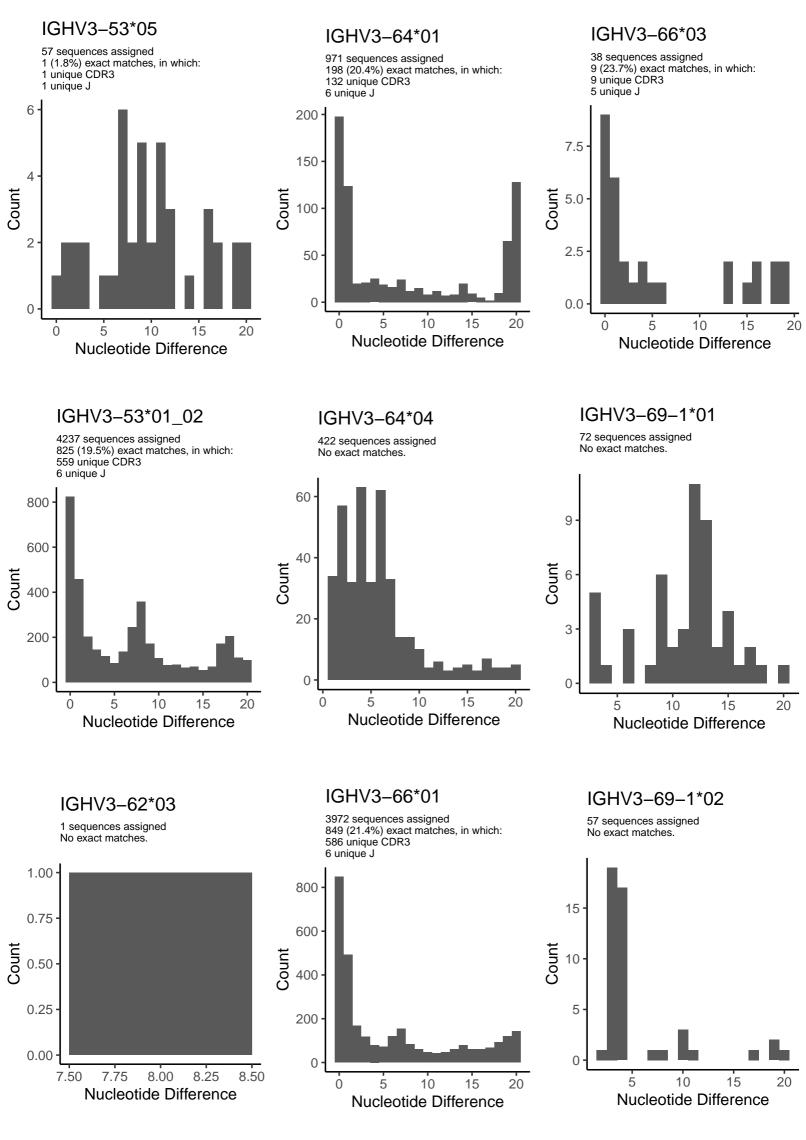


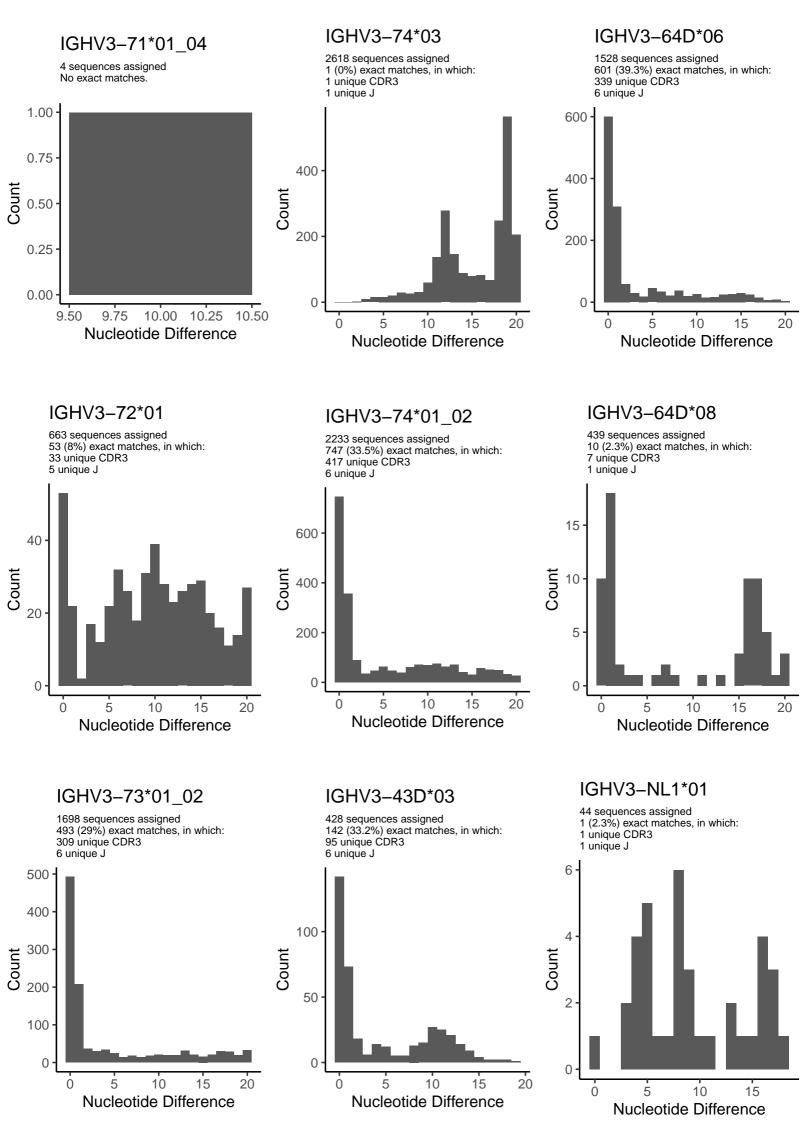


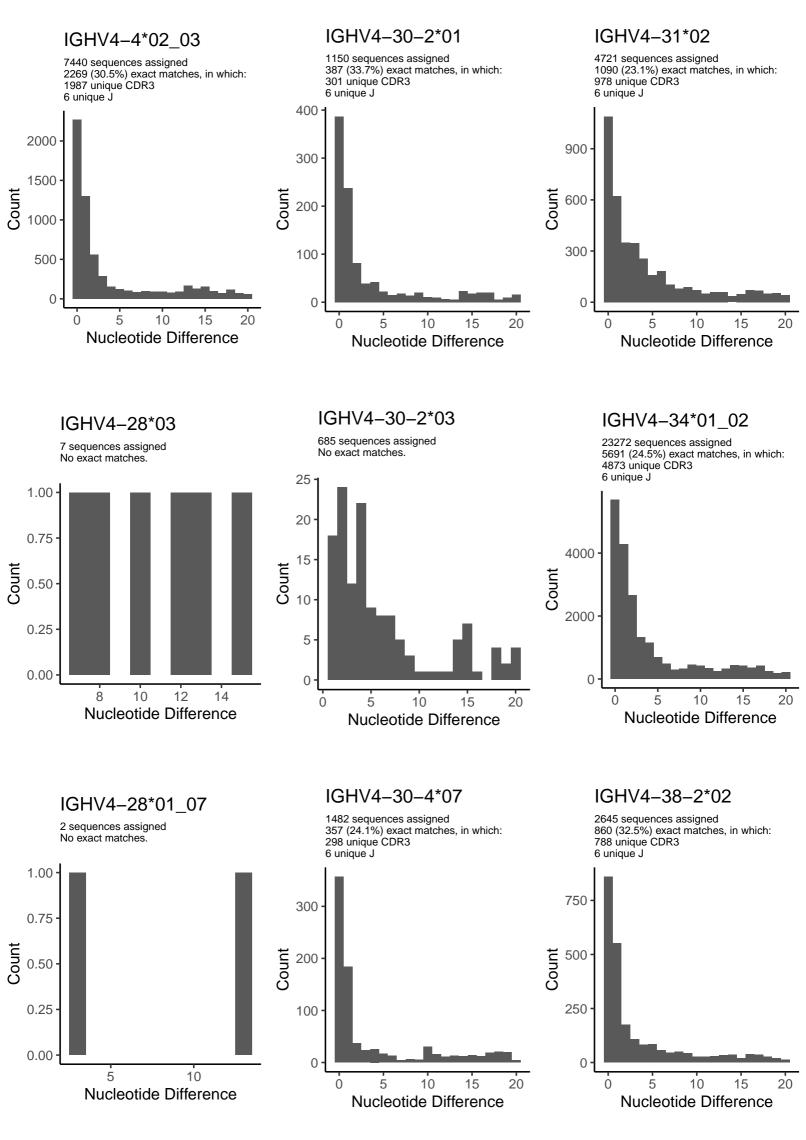


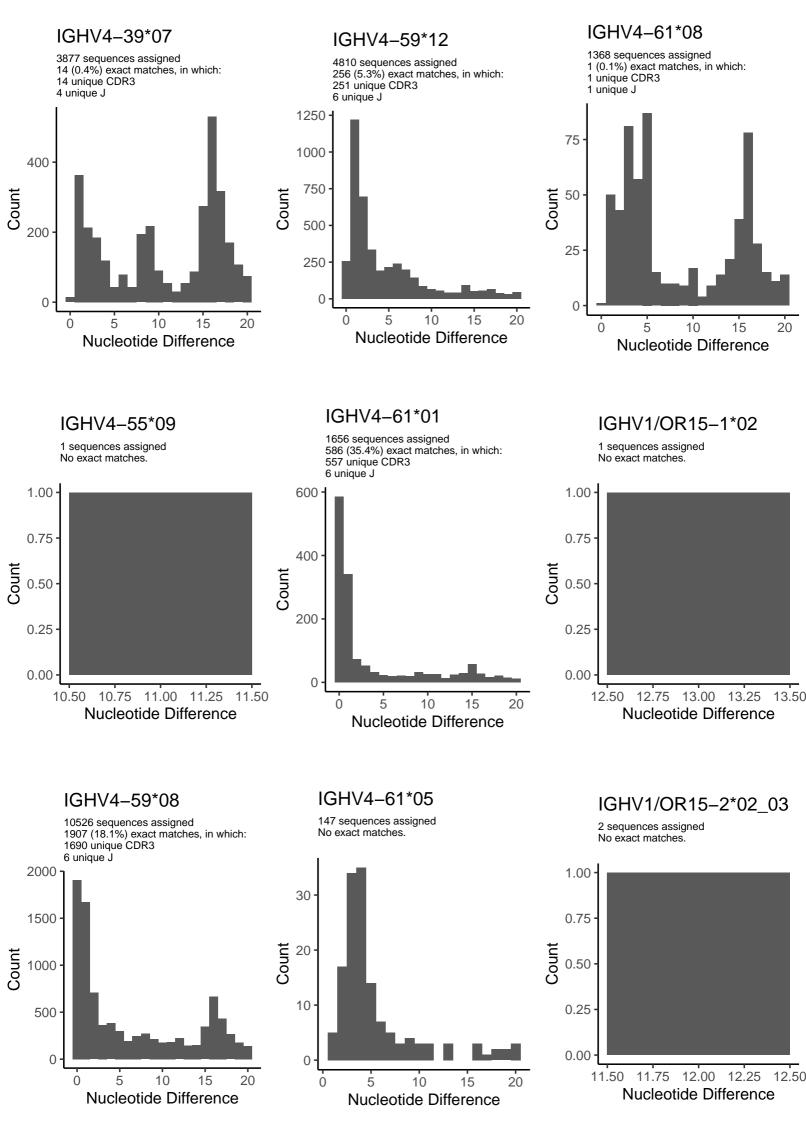


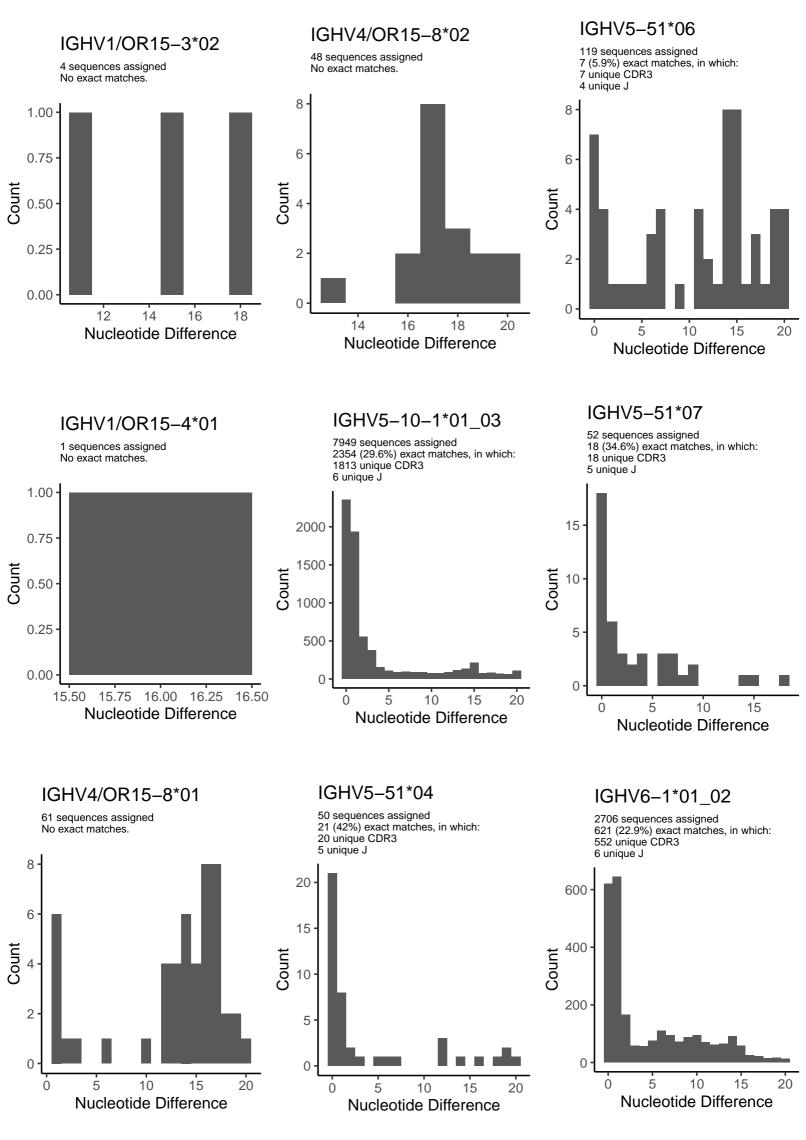






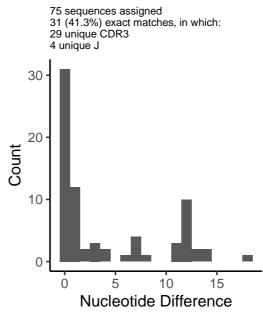




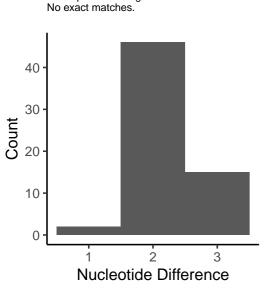


249 sequences assigned 61 (24.5%) exact matches, in which: 61 unique CDR3 6 unique J 60 40 0 5 10 15 20 Nucleotide Difference

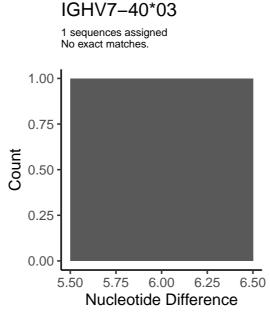
IGHV6-1*01_02_A315G



IGHV7-4-1*01

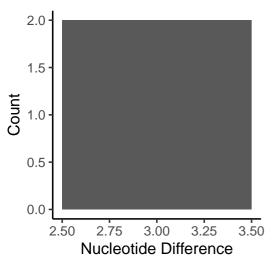


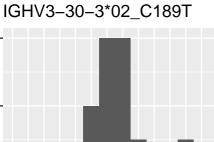
63 sequences assigned



IGHV3/OR16-17*01

2 sequences assigned No exact matches.





Count

0-6 8 9 10 11 12 13 14 15 17 19 21 25 27 CDR3 AA Length (unmutated)

