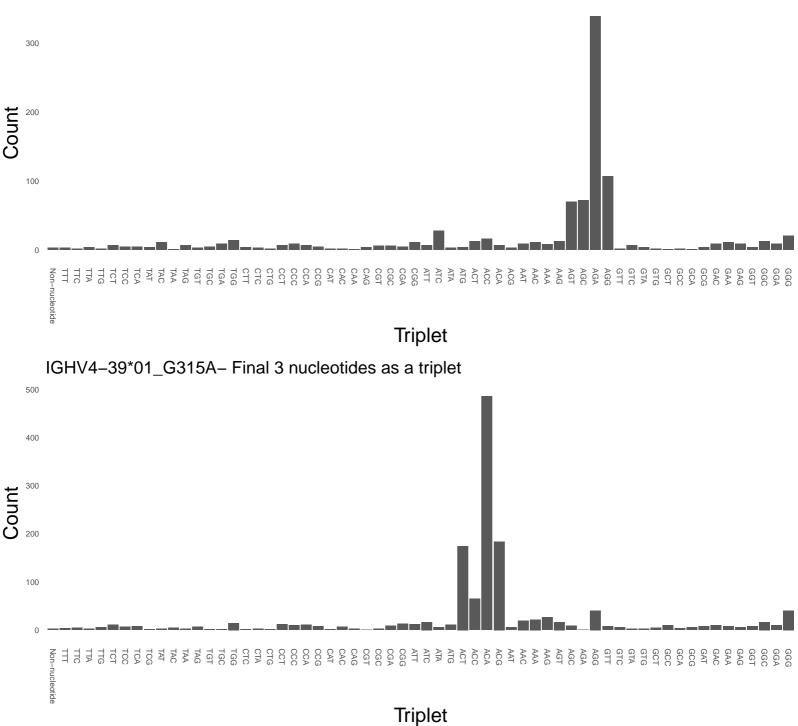
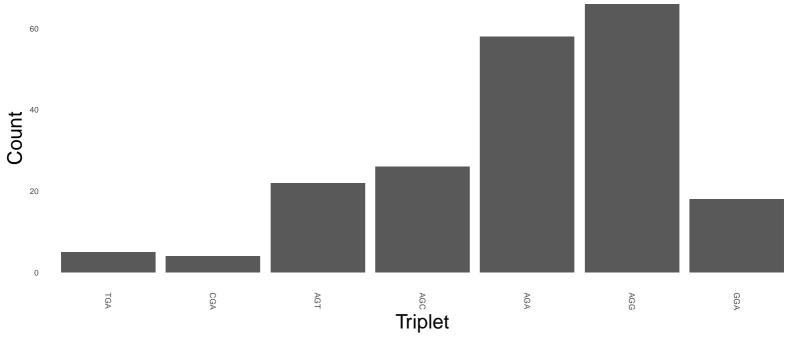
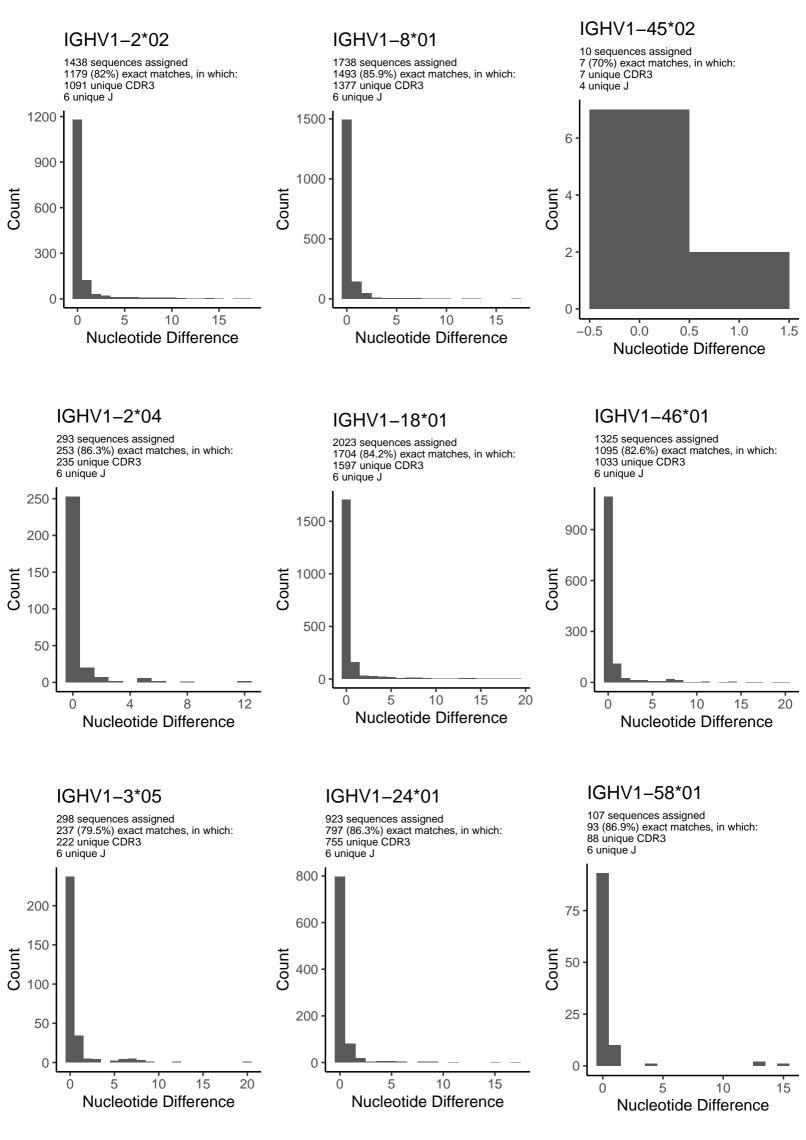


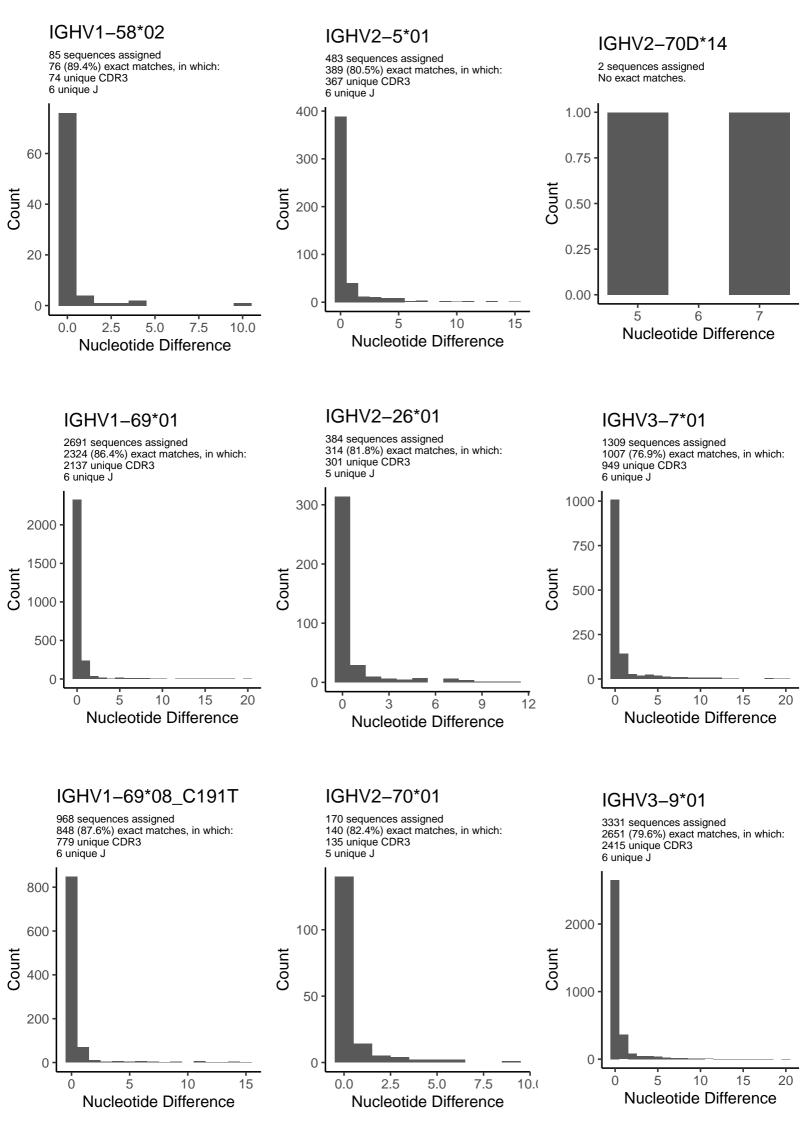
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

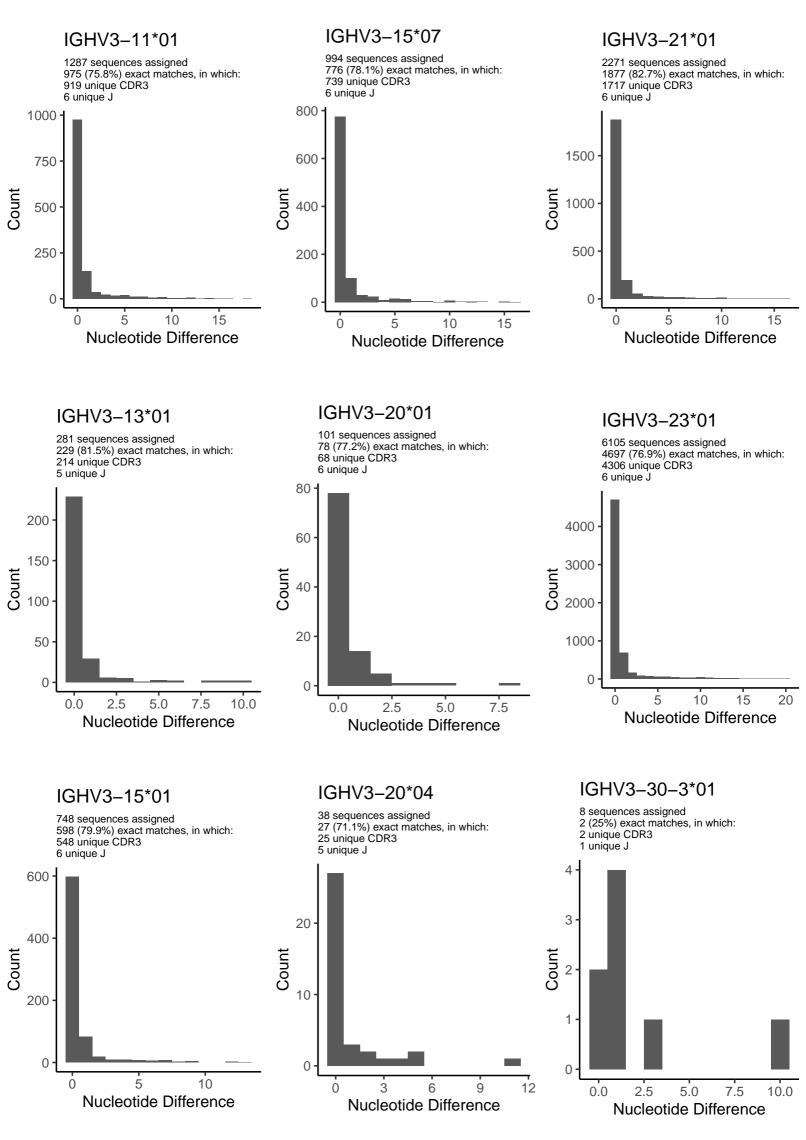


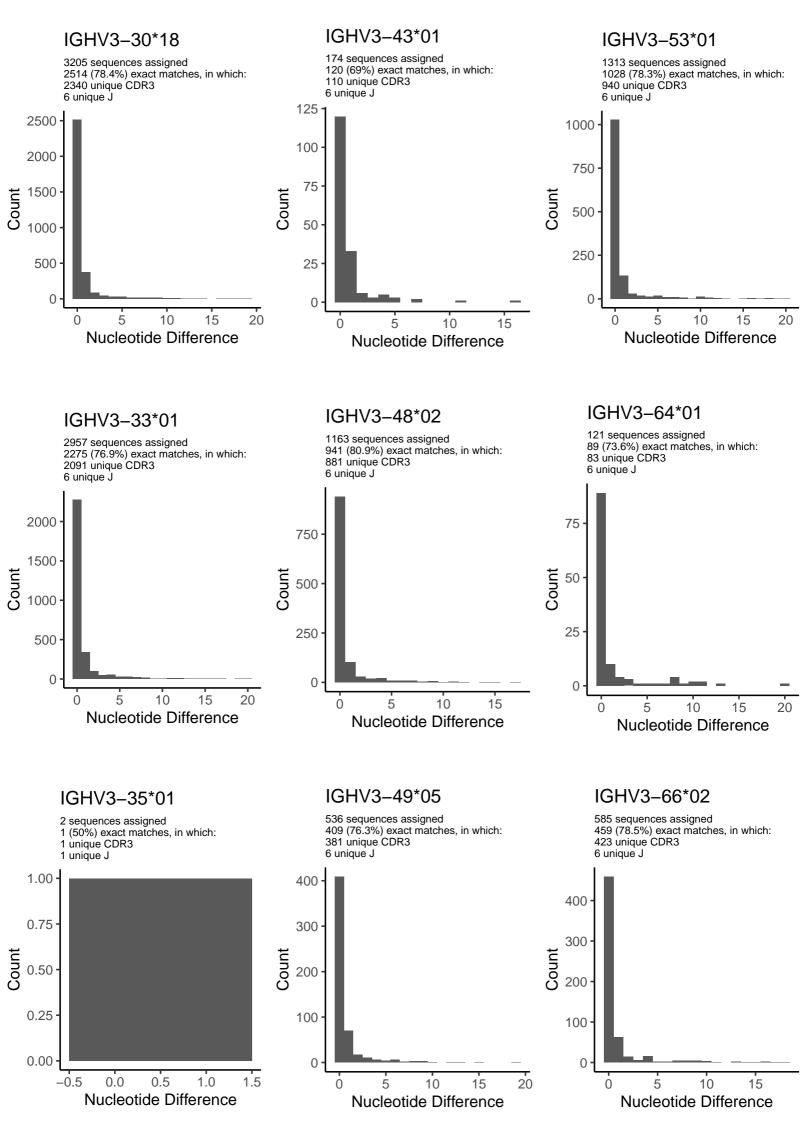
IGHV4-39*02_C258G- Final 3 nucleotides as a triplet

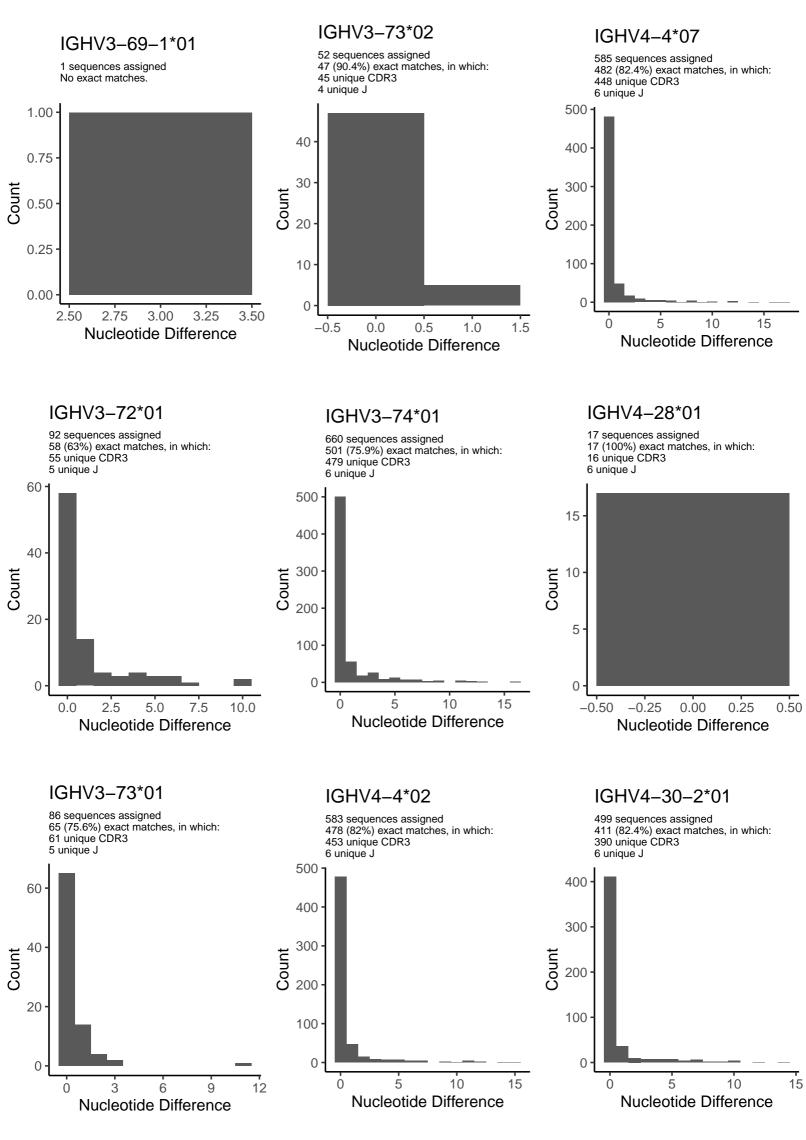


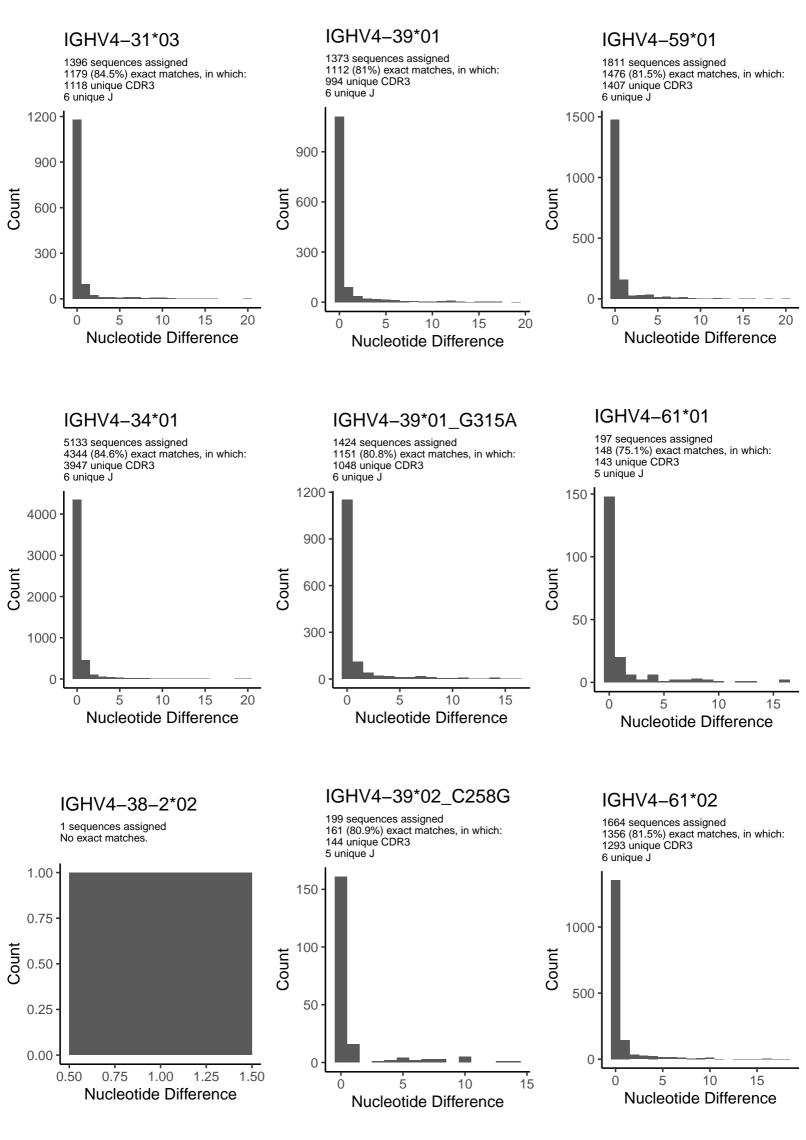








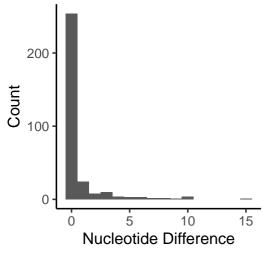




IGHV7-4-1*01 IGHV5-51*01 17 sequences assigned 13 (76.5%) exact matches, in which: 2069 sequences assigned 1701 (82.2%) exact matches, in which: 1578 unique CDR3 13 unique CDR3 4 unique J 6 unique J 1500 10 Count 1000 5 500 0 0 10 15 5 0 **Nucleotide Difference** Nucleotide Difference

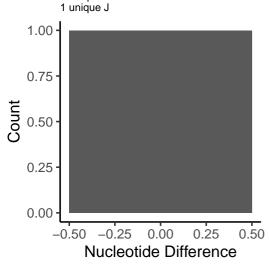
IGHV6-1*01

316 sequences assigned 254 (80.4%) exact matches, in which: 232 unique CDR3 6 unique J

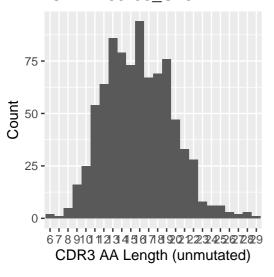


IGHV3/OR16-8*01

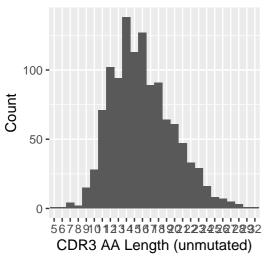
1 sequences assigned 1 (100%) exact matches, in which: 1 unique CDR3



IGHV1-69*08_C191T



IGHV4-39*01_G315A



IGHV4-39*02_C258G

