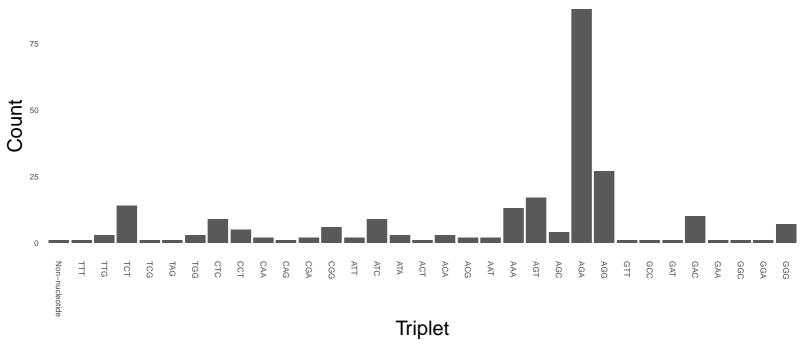
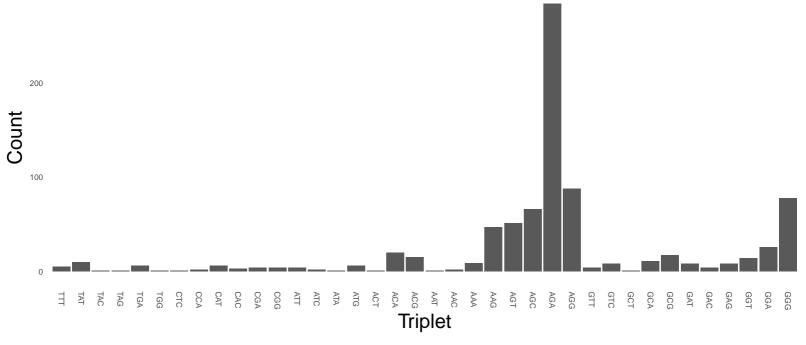
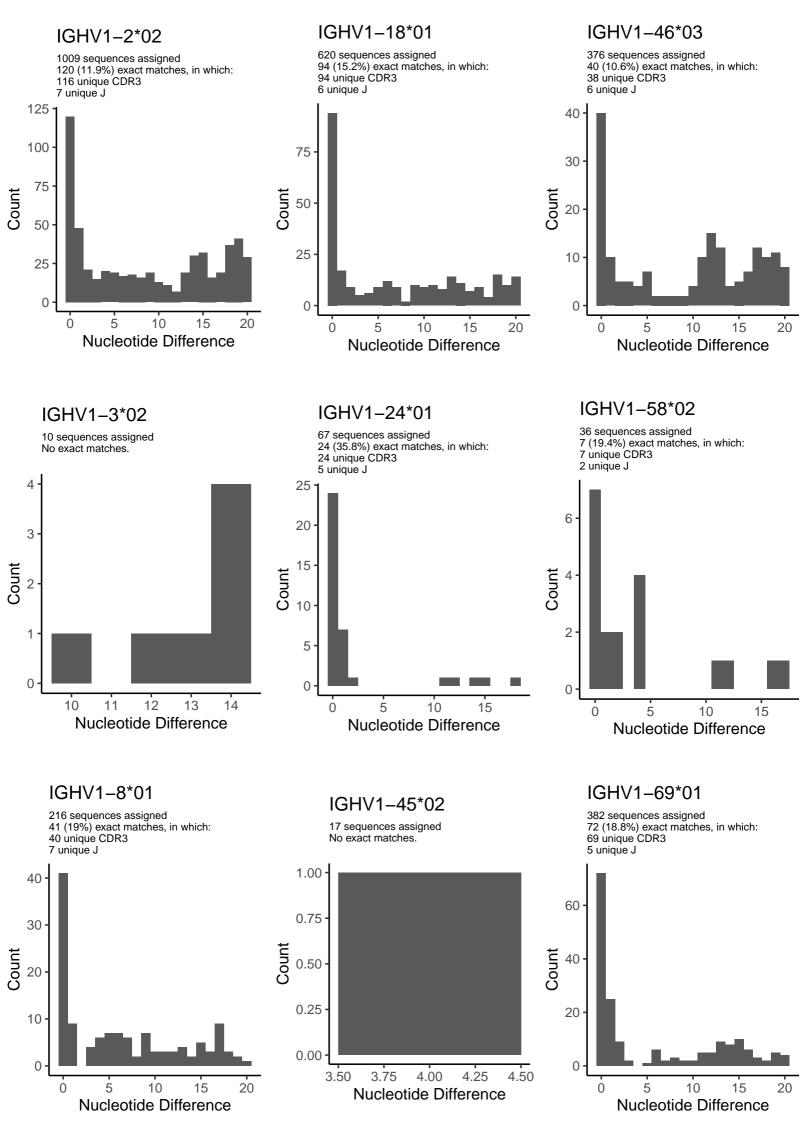


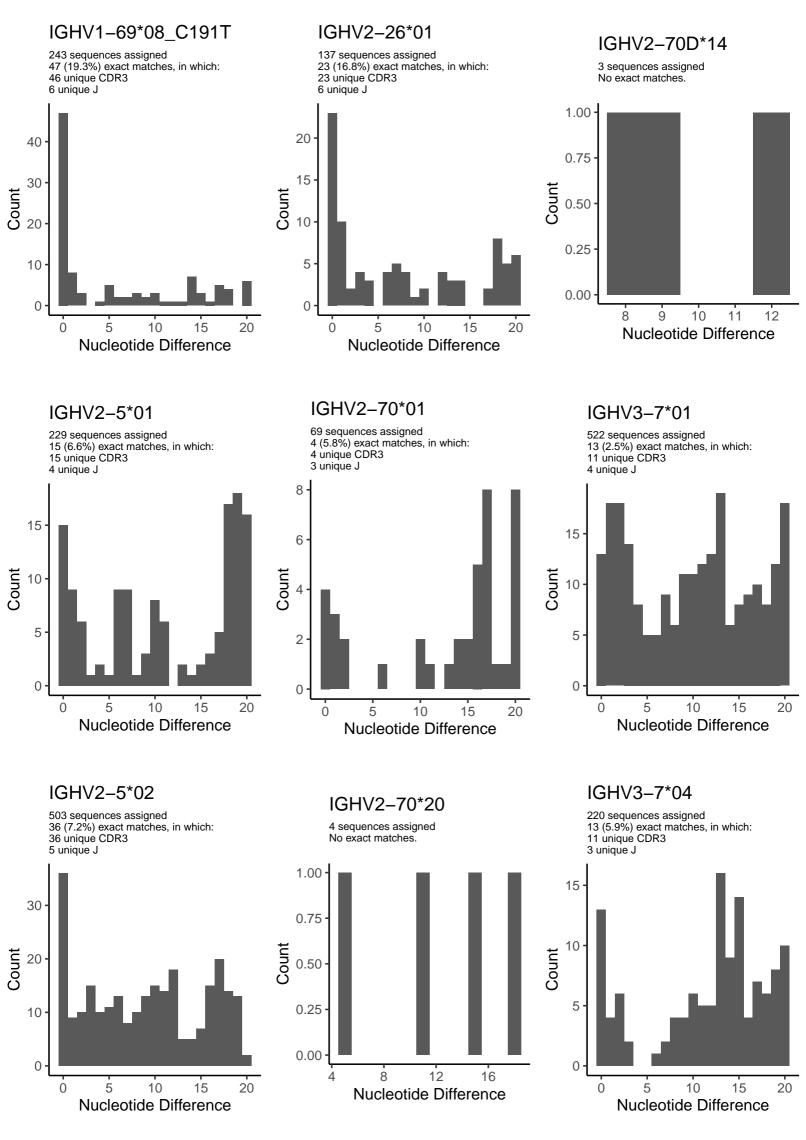
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

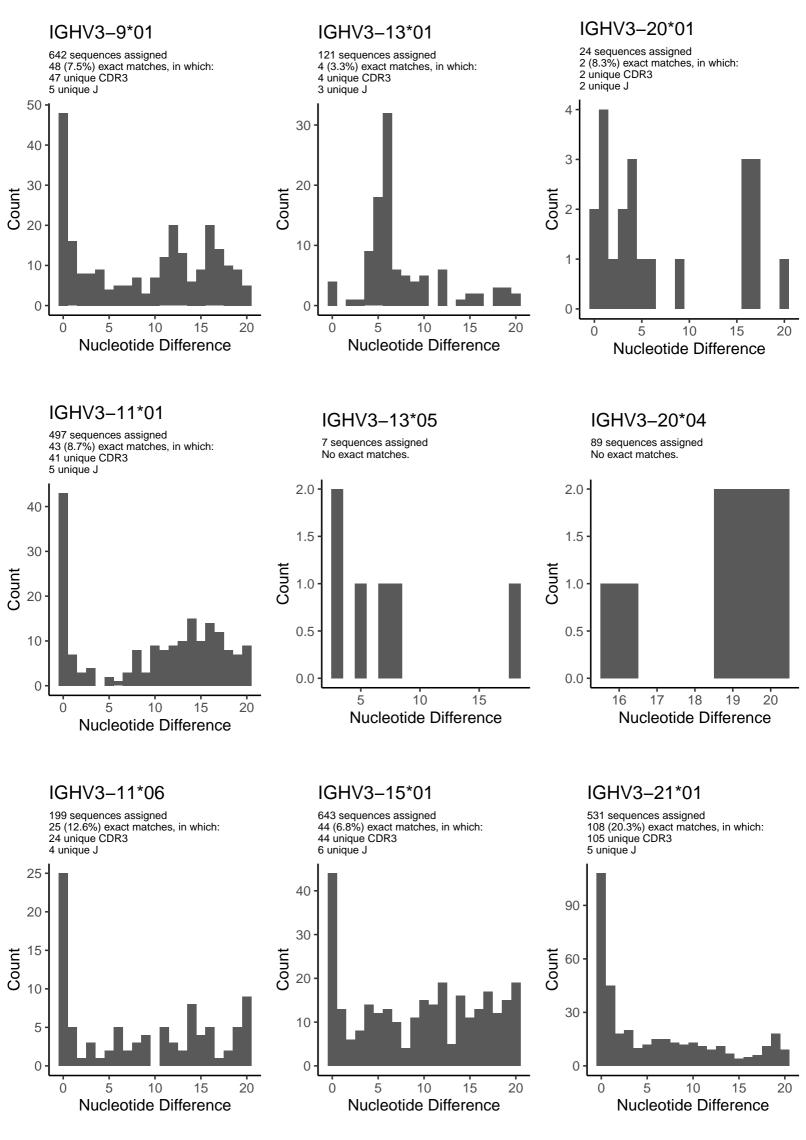


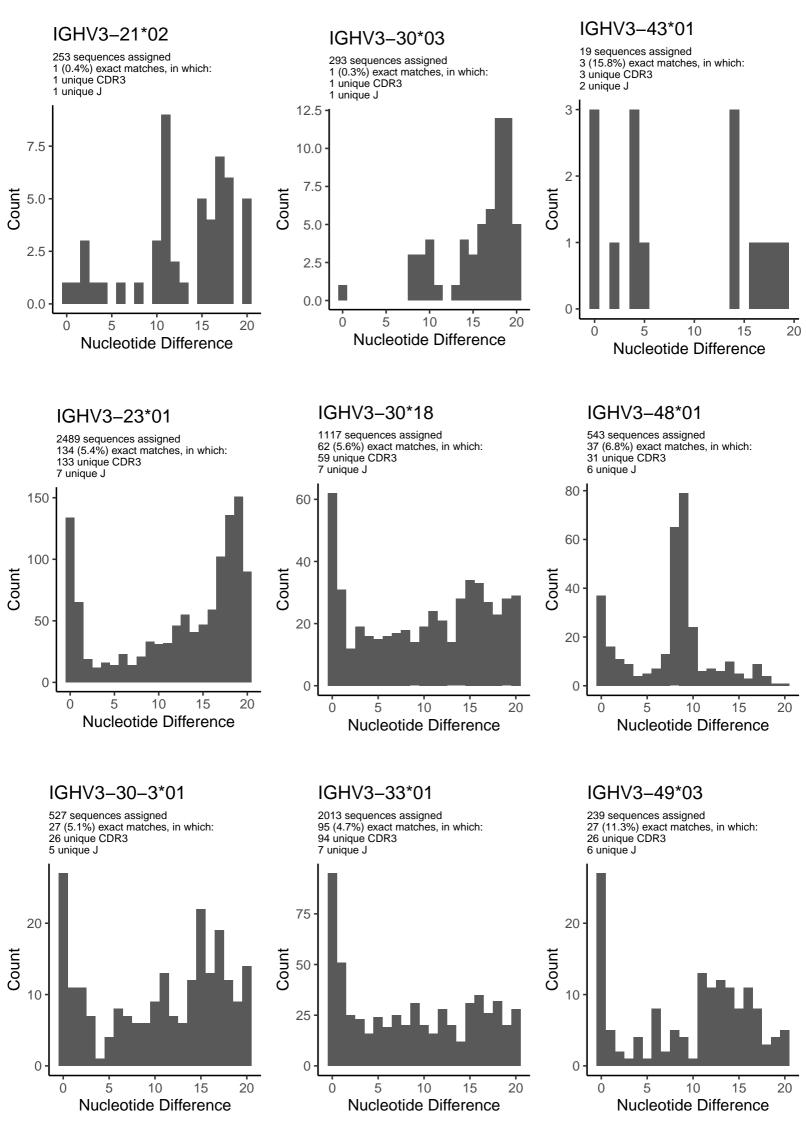
IGHV4-61*02_A234G- Final 3 nucleotides as a triplet

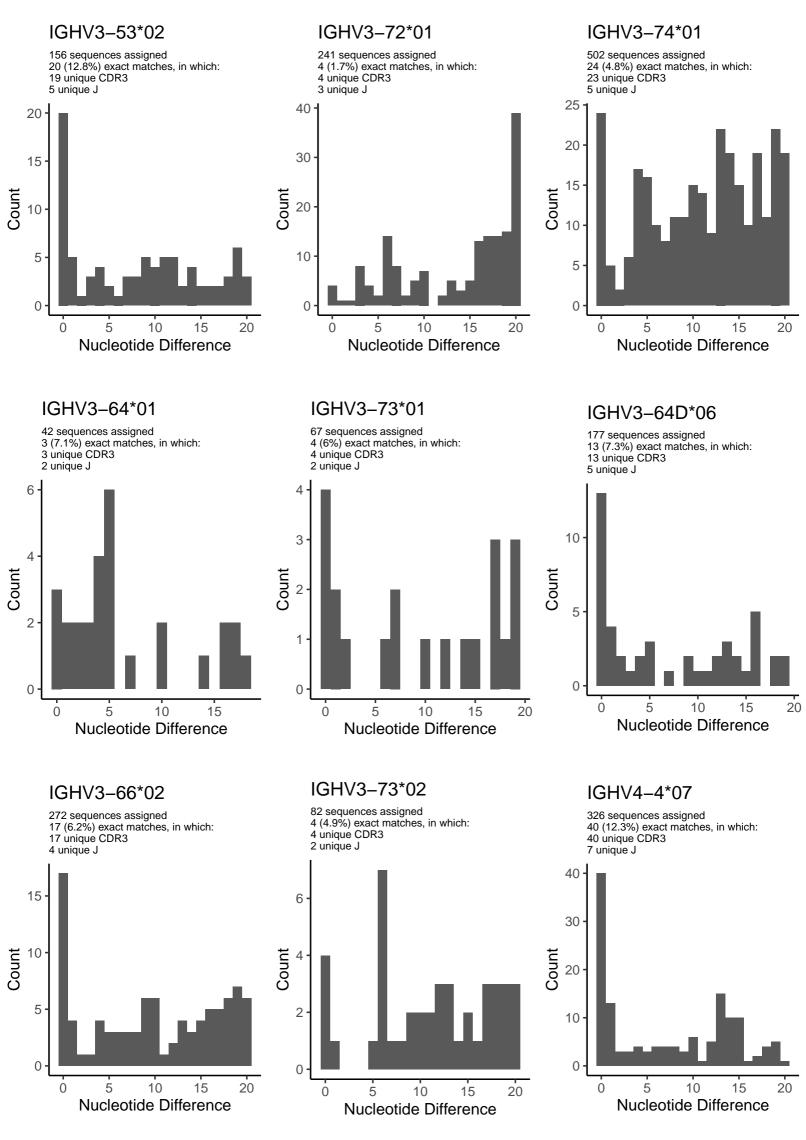


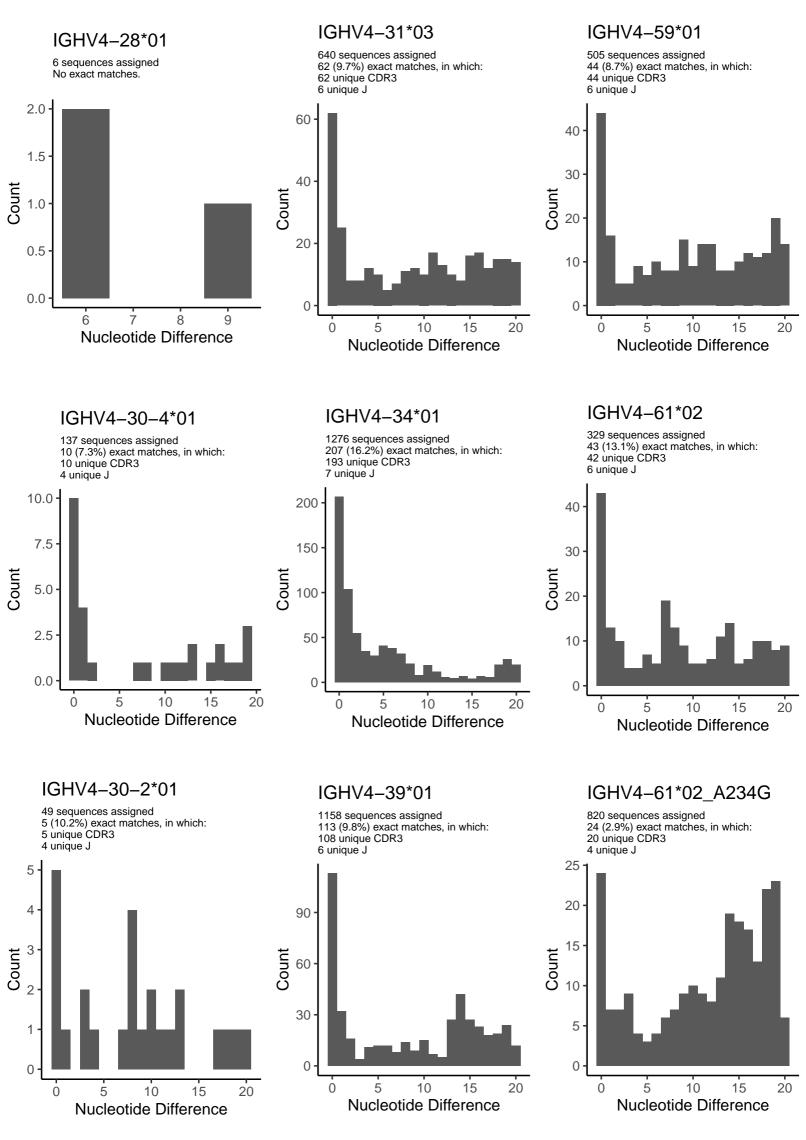






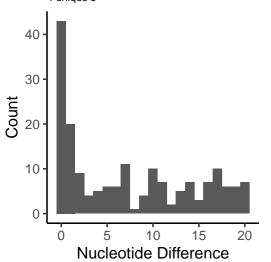






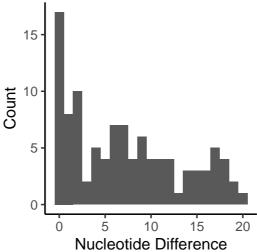
IGHV5-10-1*03

399 sequences assigned 43 (10.8%) exact matches, in which: 43 unique CDR3 4 unique J



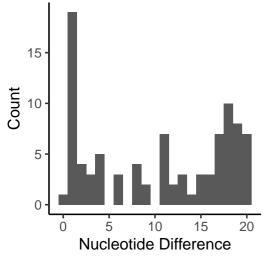
IGHV6-1*01

146 sequences assigned 17 (11.6%) exact matches, in which: 17 unique CDR3 4 unique J



IGHV5-51*01

- 142 sequences assigned 1 (0.7%) exact matches, in which: 1 unique CDR3
- 1 unique J

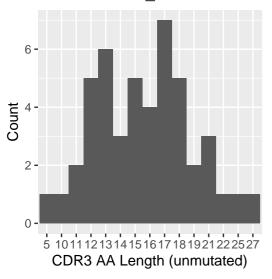


IGHV5-51*03

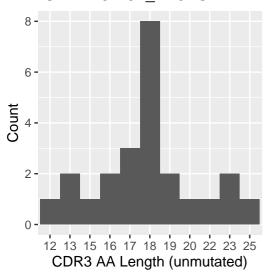
450 sequences assigned 45 (10%) exact matches, in which: 44 unique CDR3 7 unique J

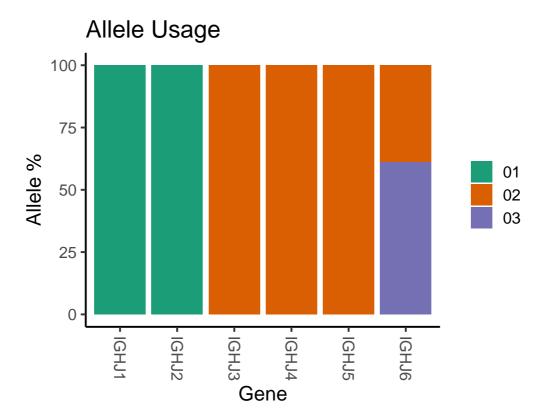
40 30 Count 20 10 0 20 0 5 10 15 Nucleotide Difference

IGHV1-69*08_C191T



IGHV4-61*02_A234G





Sequence Count by IGHJ6 allele usage

