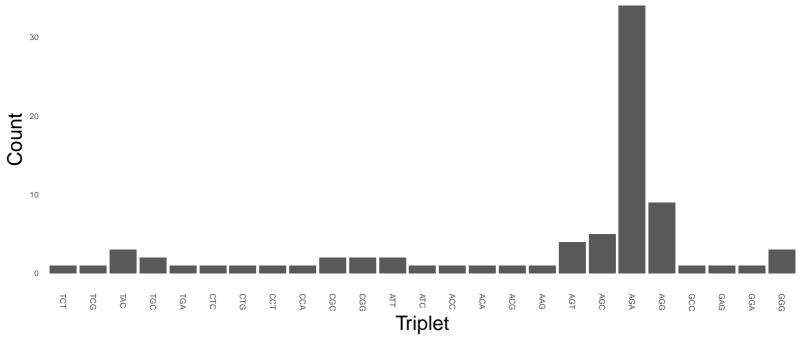
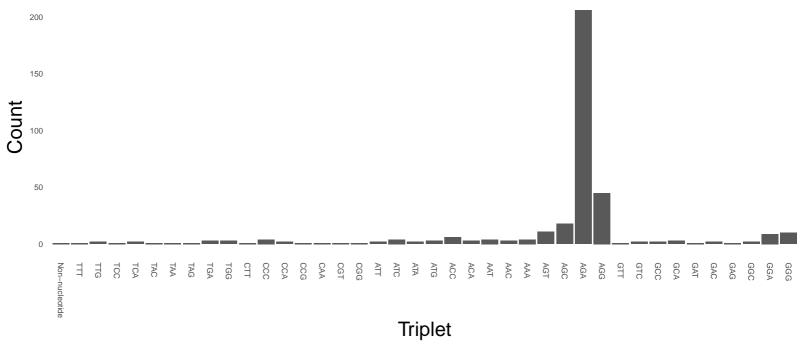


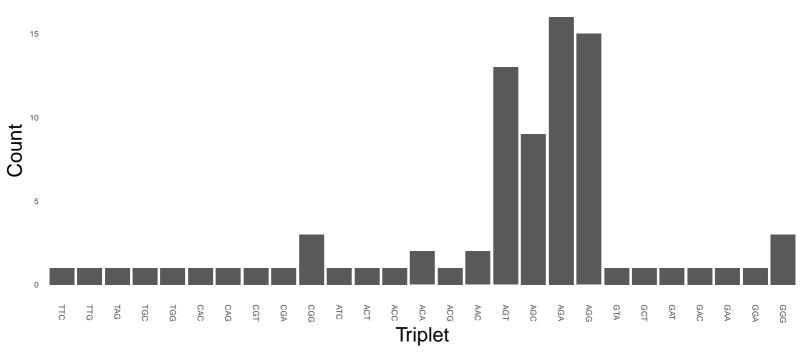
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

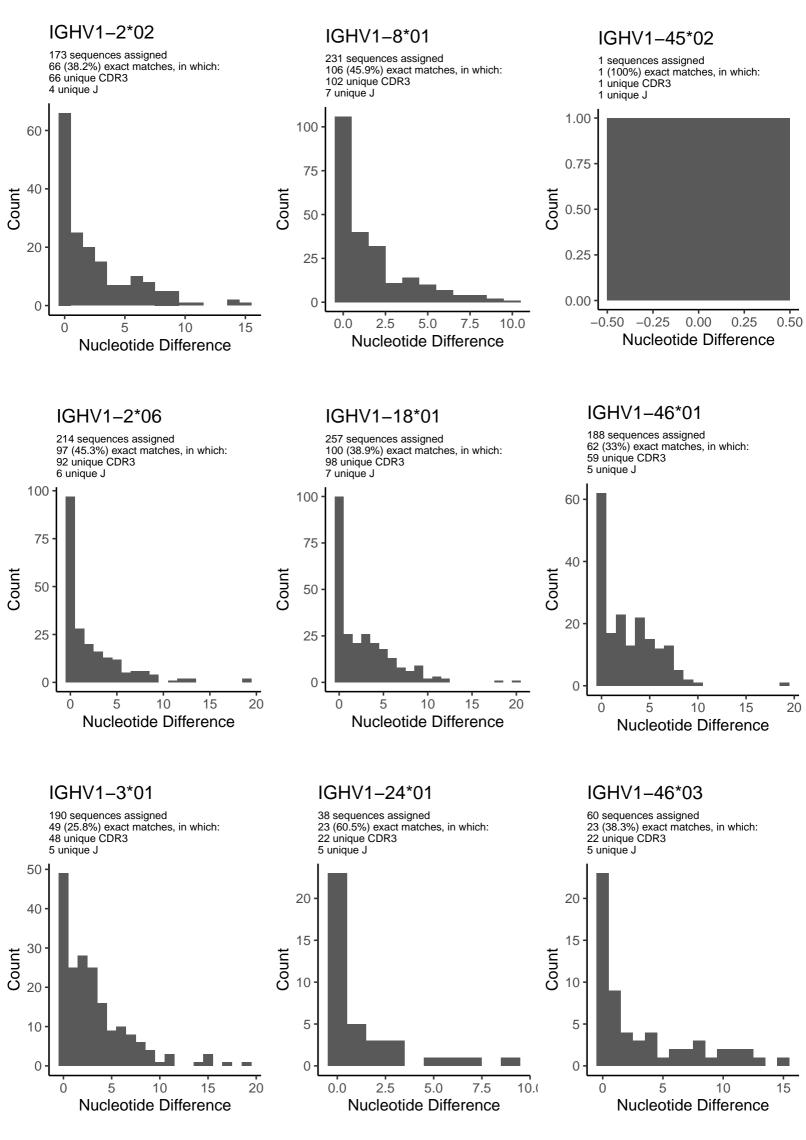


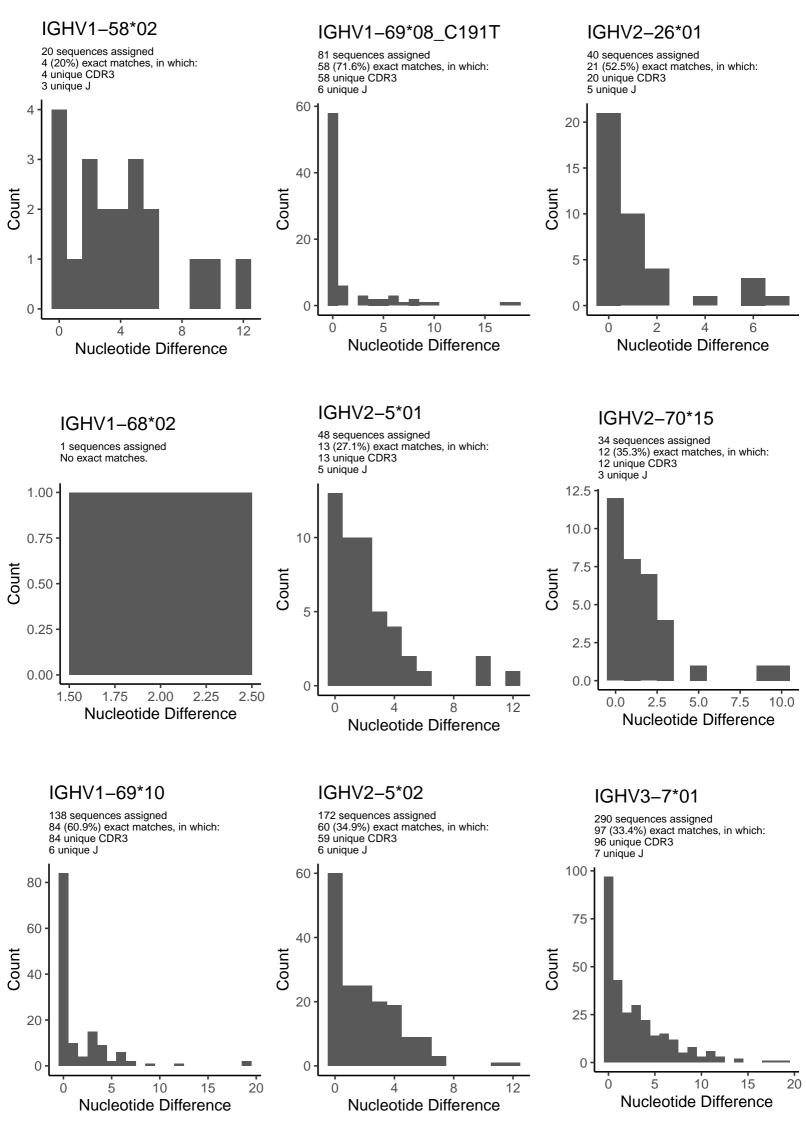
IGHV3-30*19_T189C- Final 3 nucleotides as a triplet

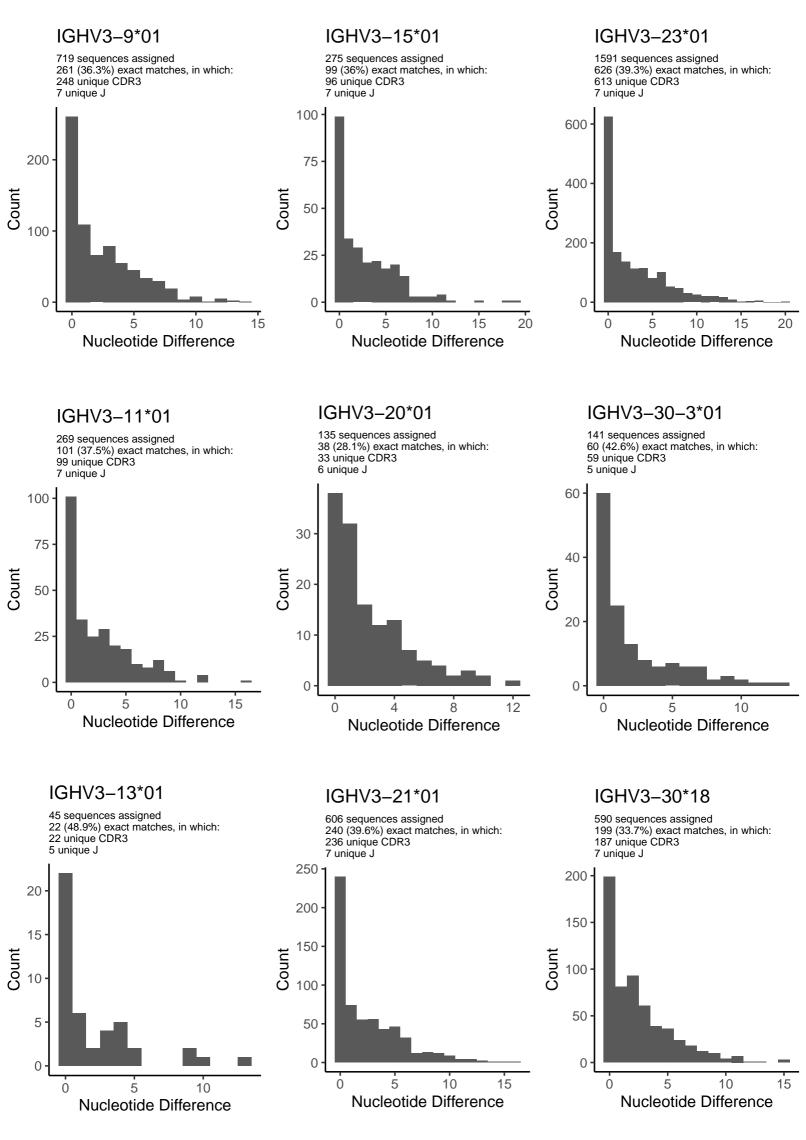


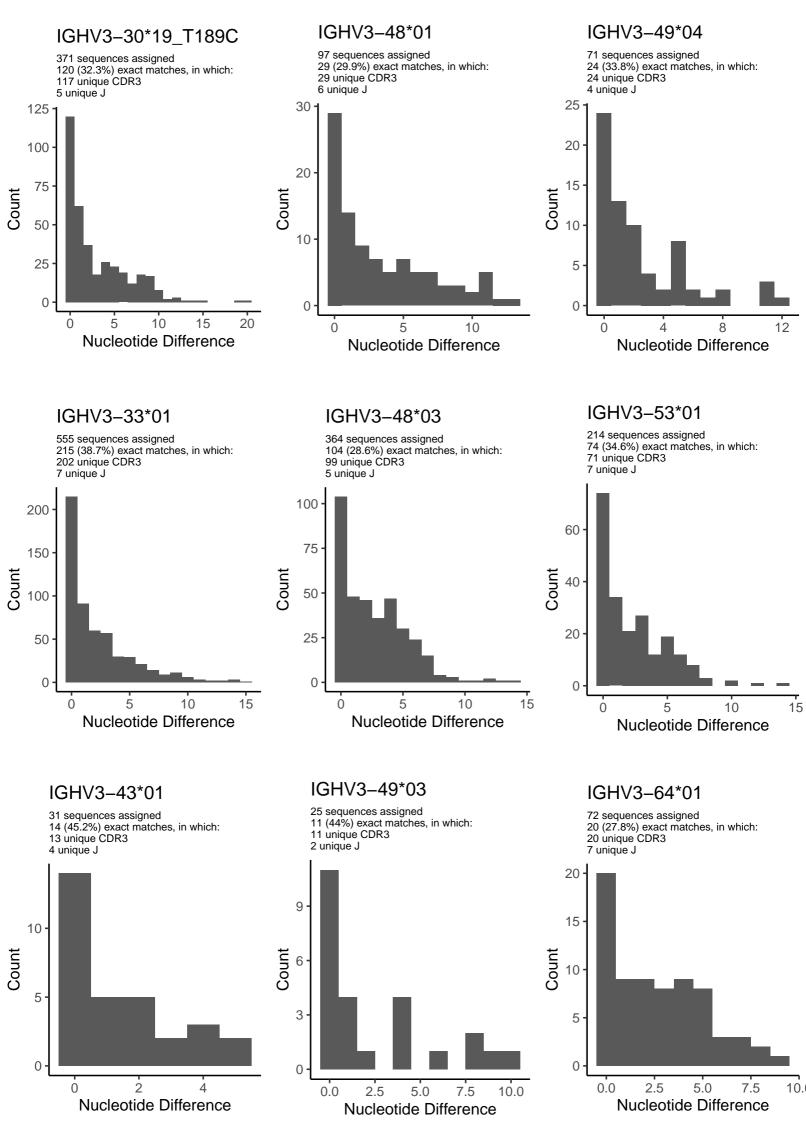
IGHV4-30-4*01_A70G_A107G- Final 3 nucleotides as a triplet

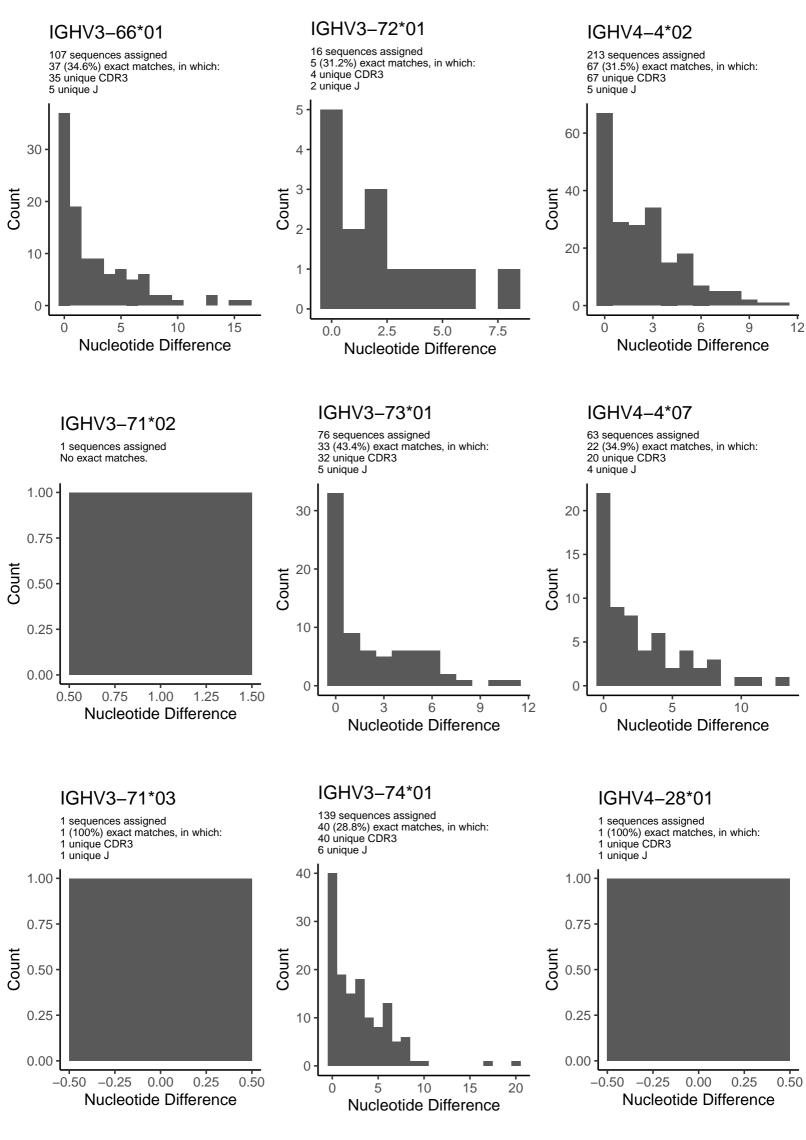


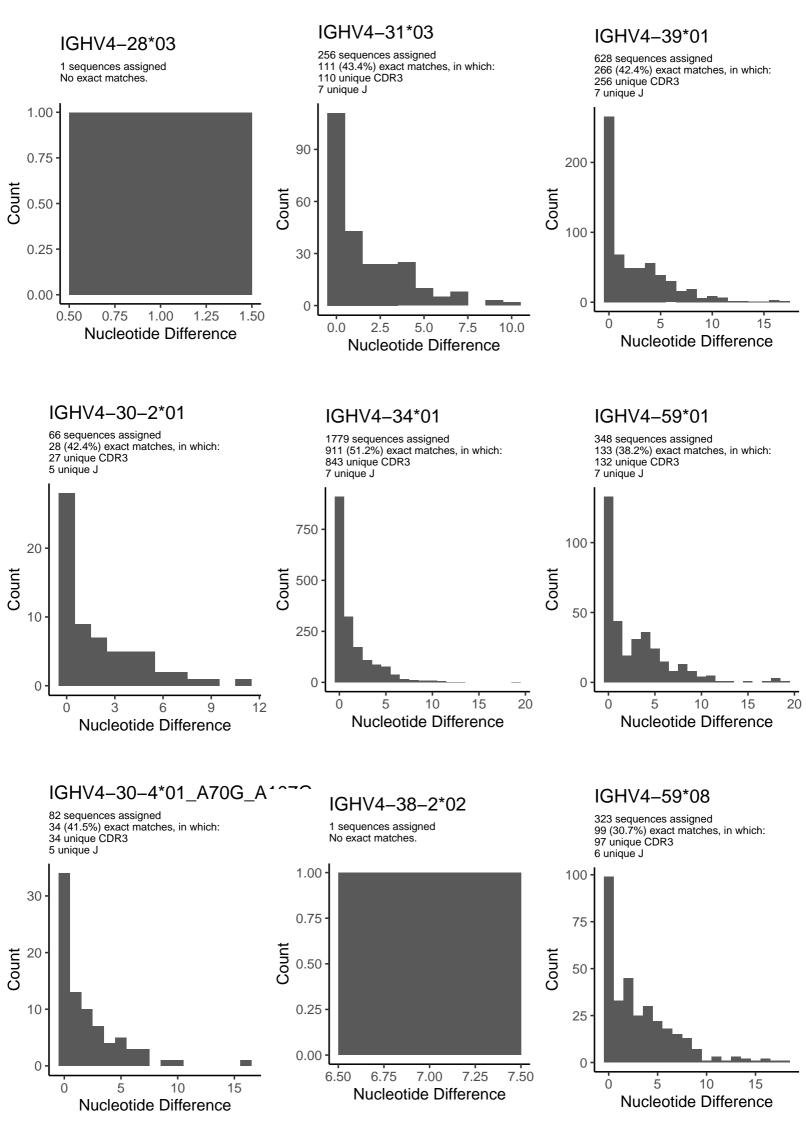




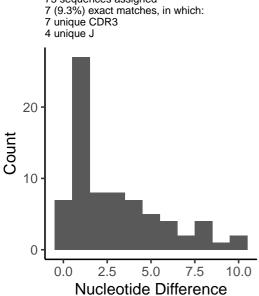


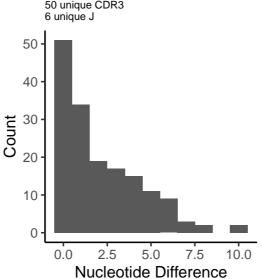






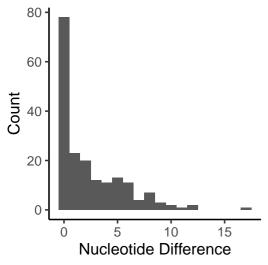
IGHV6-1*01 IGHV4-61*07 38 sequences assigned 18 (47.4%) exact matches, in which: 2 sequences assigned 1 (50%) exact matches, in which: 17 unique CDR3 1 unique CDR3 6 unique J 1 unique J 1.00 15 0.75 Count 10 Count O.50 5 0.25 0.00 0 0.0 0.5 1.0 1.5 -0.50 3 6 Nucleotide Difference **Nucleotide Difference** IGHV5-51*01 IGHV7-4-1*02 75 sequences assigned 7 (9.3%) exact matches, in which: 7 unique CDR3 163 sequences assigned 51 (31.3%) exact matches, in which: 50 unique CDR3

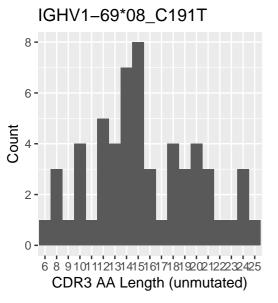


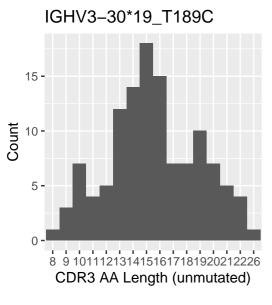


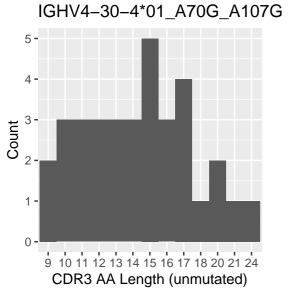
IGHV5-51*03

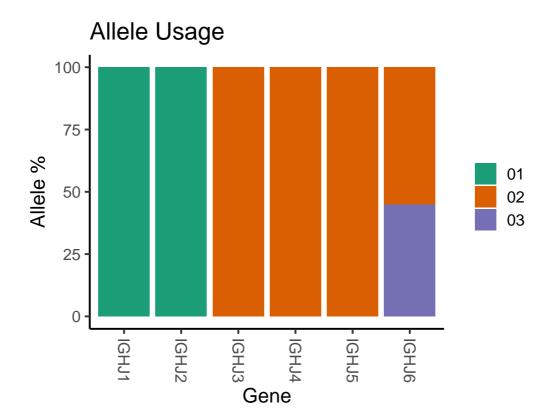
190 sequences assigned 78 (41.1%) exact matches, in which: 77 unique CDR3 6 unique J











Sequence Count by IGHJ6 allele usage

