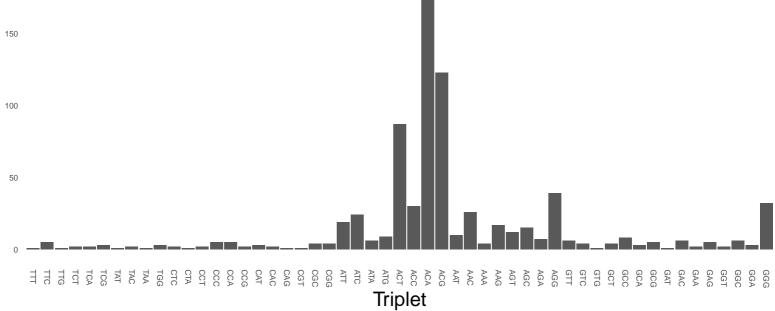
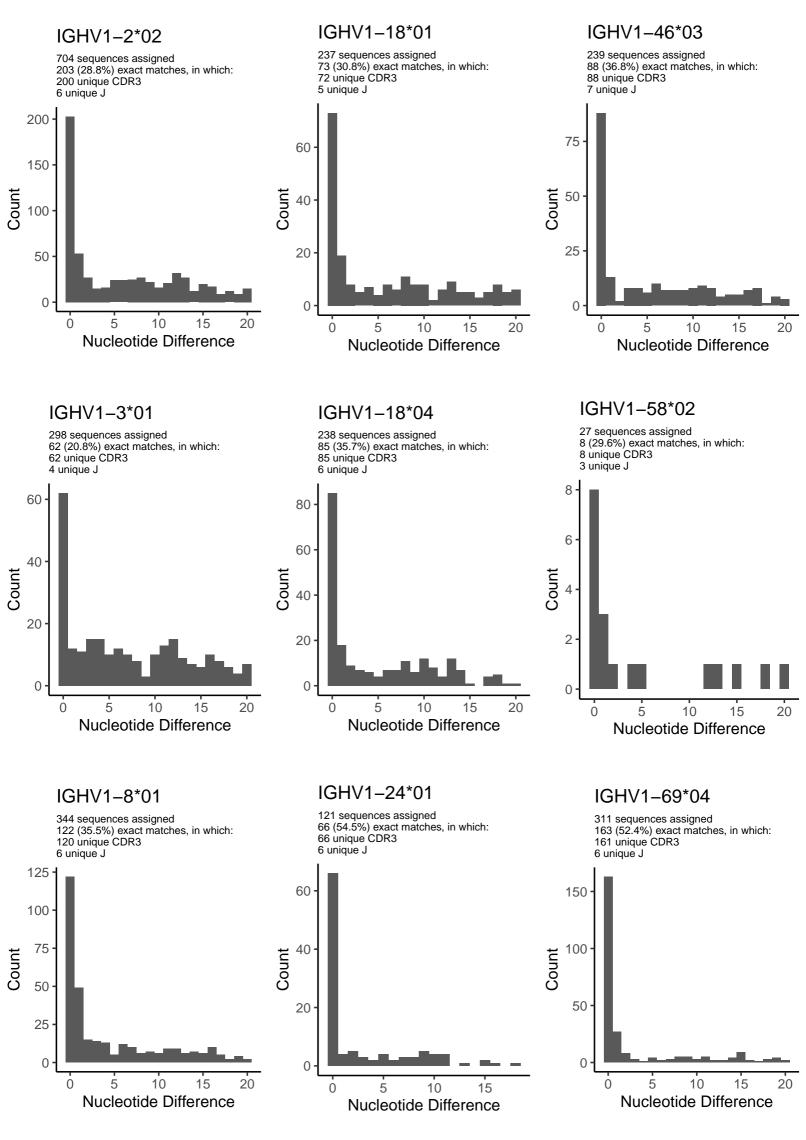
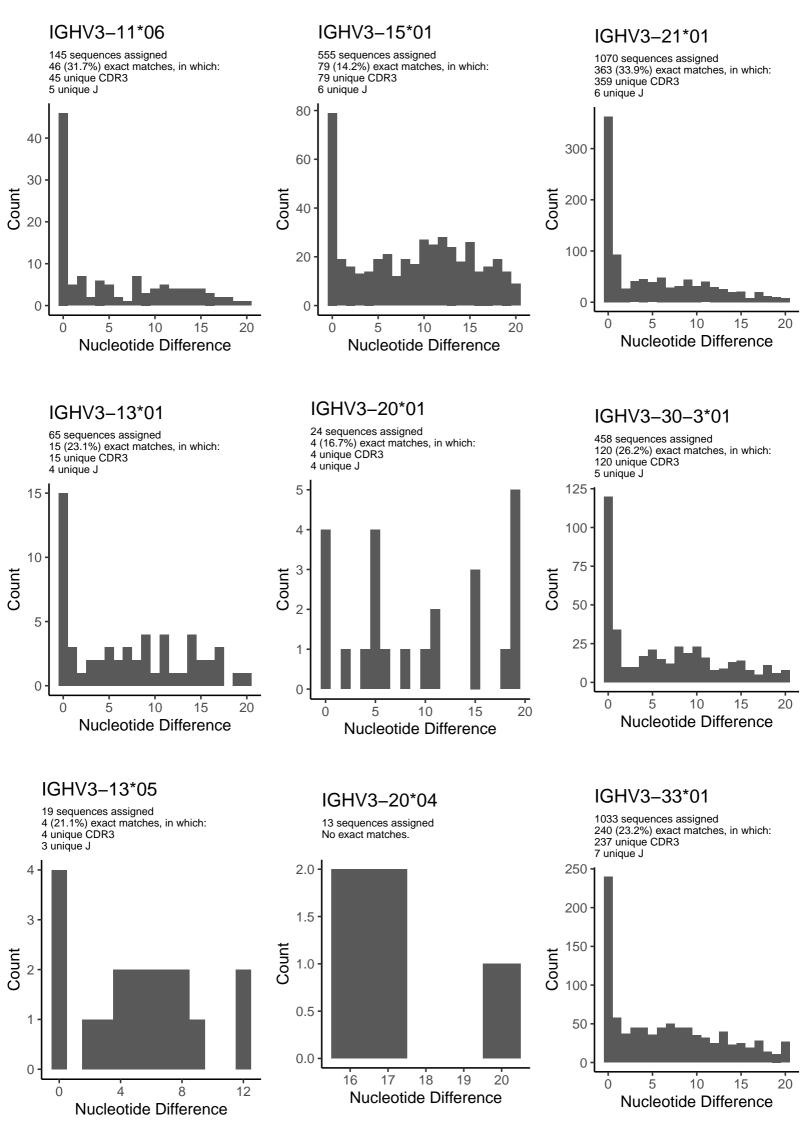


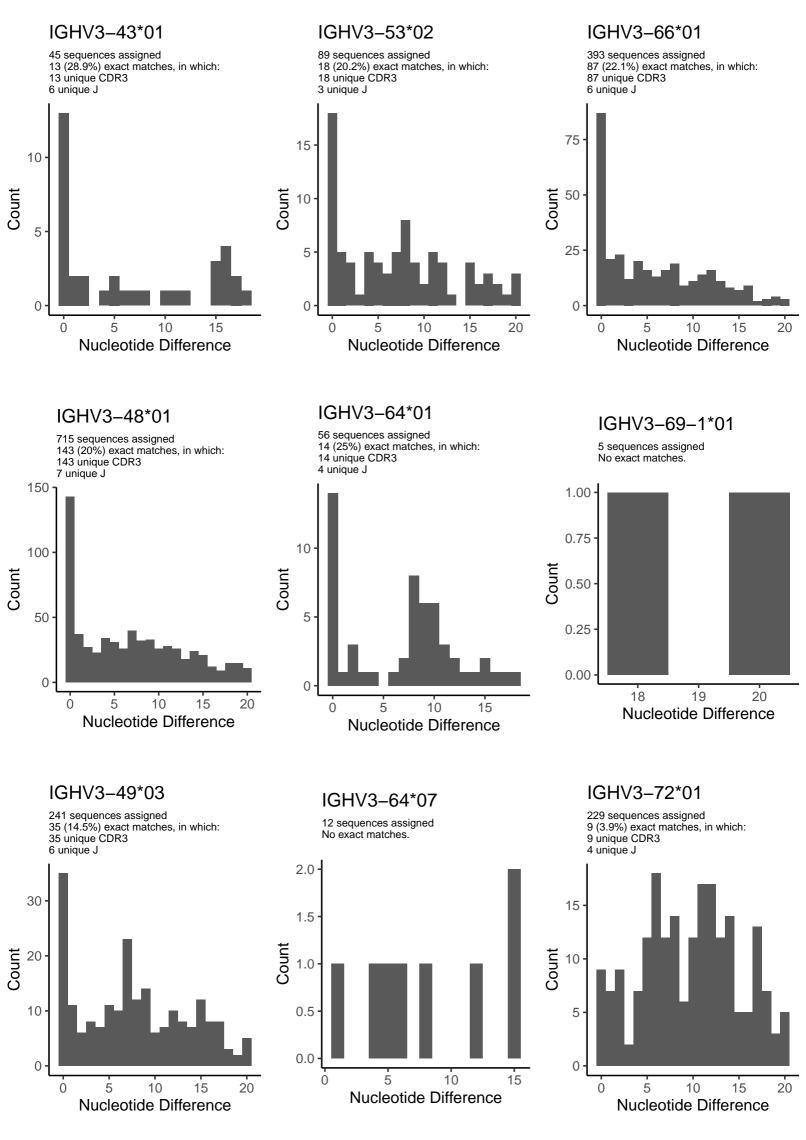
IGHV4-61\*02\_A234G- Final 3 nucleotides as a triplet 120 | GGG **Triplet** IGHV5-51\*01\_C45G- Final 3 nucleotides as a triplet 150

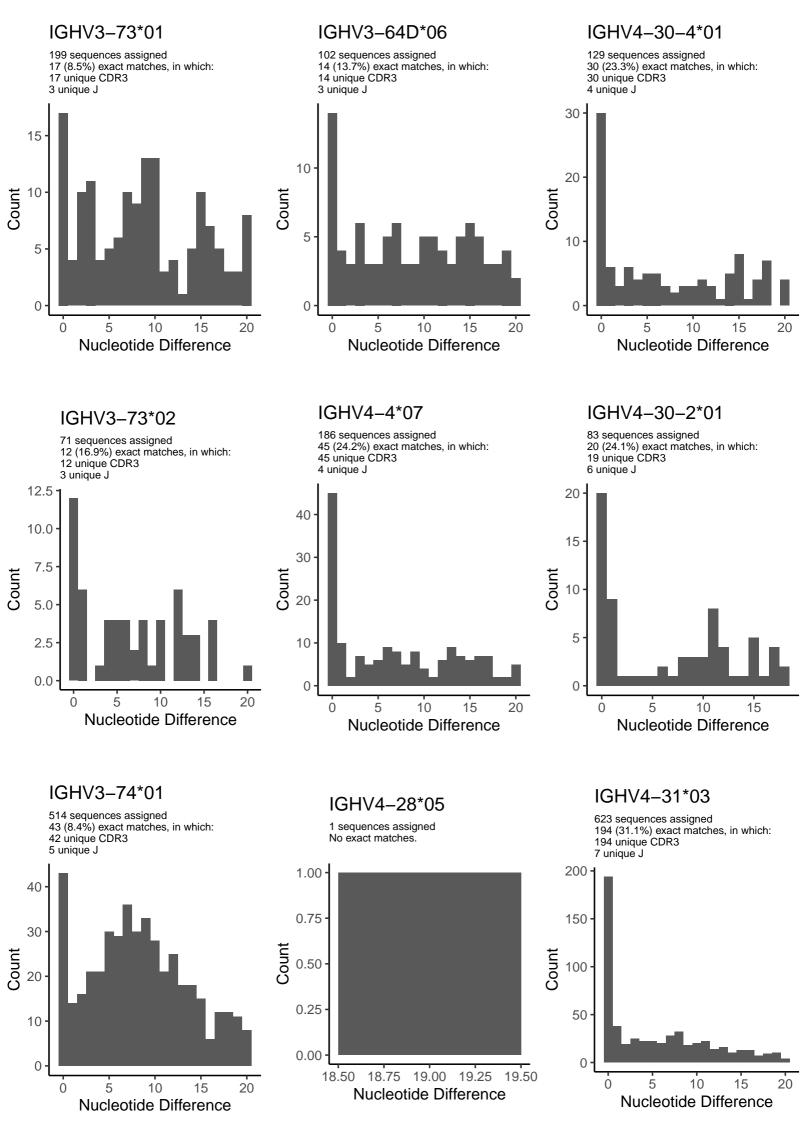


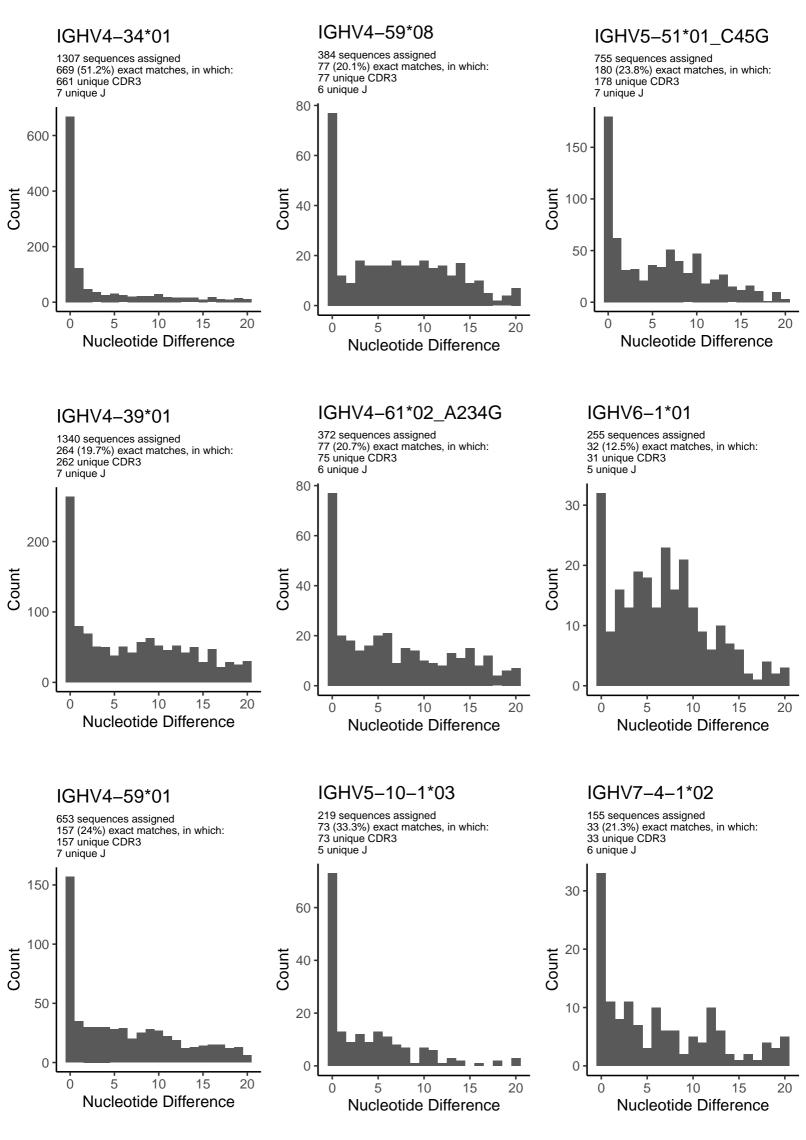


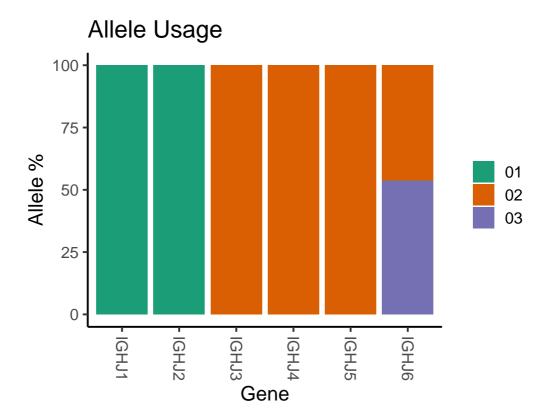
## IGHV2-5\*01 IGHV3-7\*03 IGHV2-70\*01 759 sequences assigned 81 (10.7%) exact matches, in which: 224 sequences assigned 34 (15.2%) exact matches, in which: 25 sequences assigned 9 (36%) exact matches, in which: 34 unique CDR3 9 unique CDR3 80 unique CDR3 4 unique J 4 unique J 6 unique J 80 30 7.5 60 Count Count 5.0 40 10 2.5 20 0.0 0 0 10 0 15 10 15 5 5 10 15 0 20 Nucleotide Difference **Nucleotide Difference Nucleotide Difference** IGHV2-5\*02 IGHV2-70\*15 IGHV3-9\*01 226 sequences assigned 111 sequences assigned 534 sequences assigned 131 (24.5%) exact matches, in which: 35 (15.5%) exact matches, in which: 28 (25.2%) exact matches, in which: 27 unique CDR3 35 unique CDR3 131 unique CDR3 5 unique J 5 unique J 6 unique J 30 100 20 Count Count 20 50 10 10 0 0 0 10 15 20 0 5 10 15 20 0 10 15 0 20 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV2-26\*01 IGHV3-7\*01 IGHV3-11\*01 112 sequences assigned 656 sequences assigned 278 sequences assigned 34 (30.4%) exact matches, in which: 77 (11.7%) exact matches, in which: 66 (23.7%) exact matches, in which: 34 unique CDR3 7 unique J 77 unique CDR3 66 unique CDR3 6 unique J 5 unique J 80 60 30 60 40 Count Count Count 40 20 10 20 0 0 0 0 5 10 15 20 0 5 10 15 20 0 5 10 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference



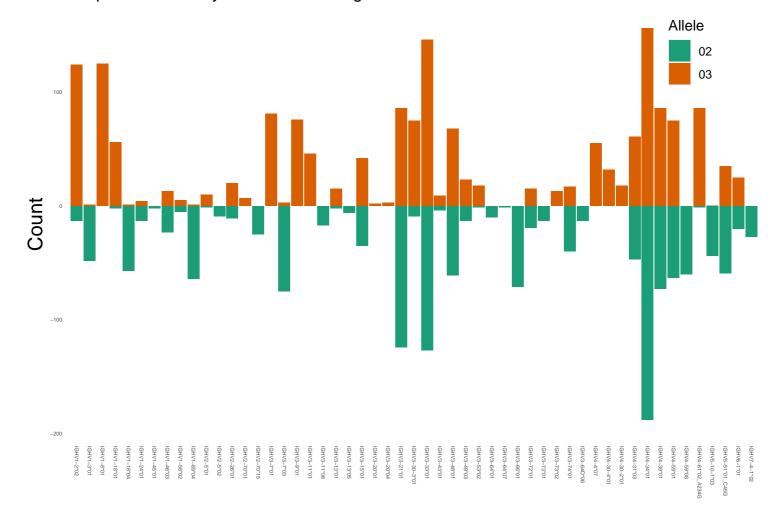








## Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.