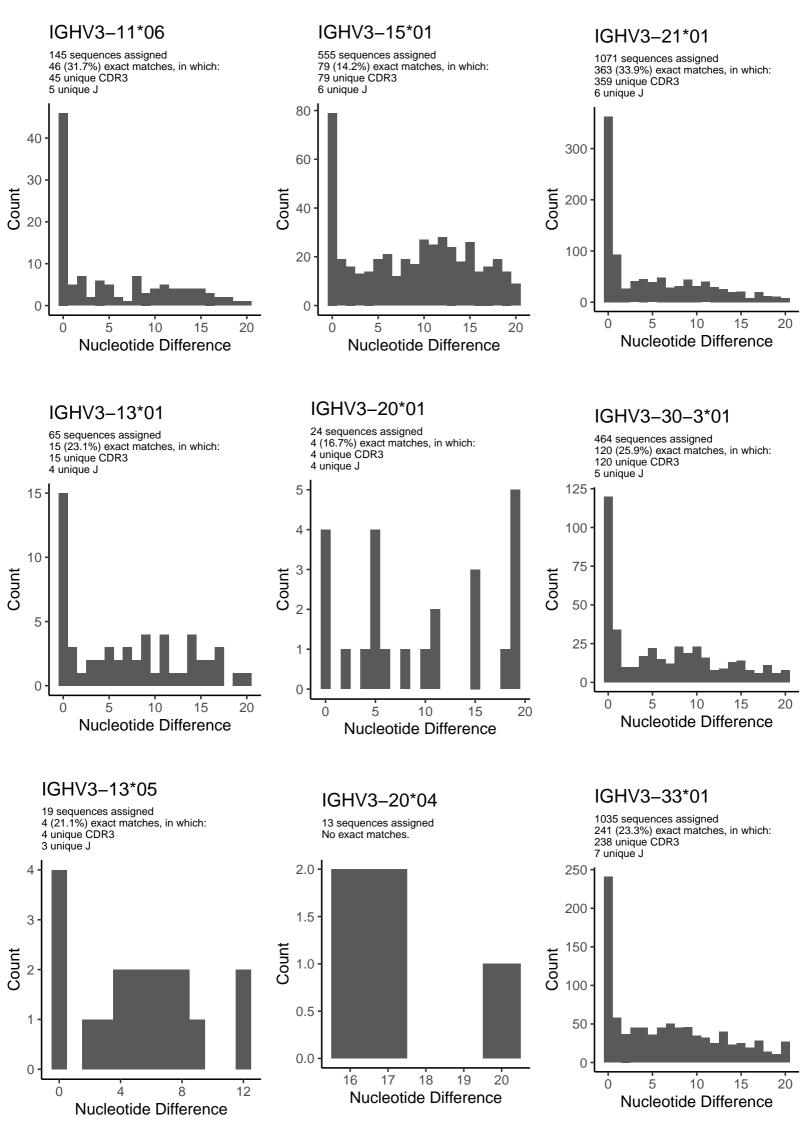
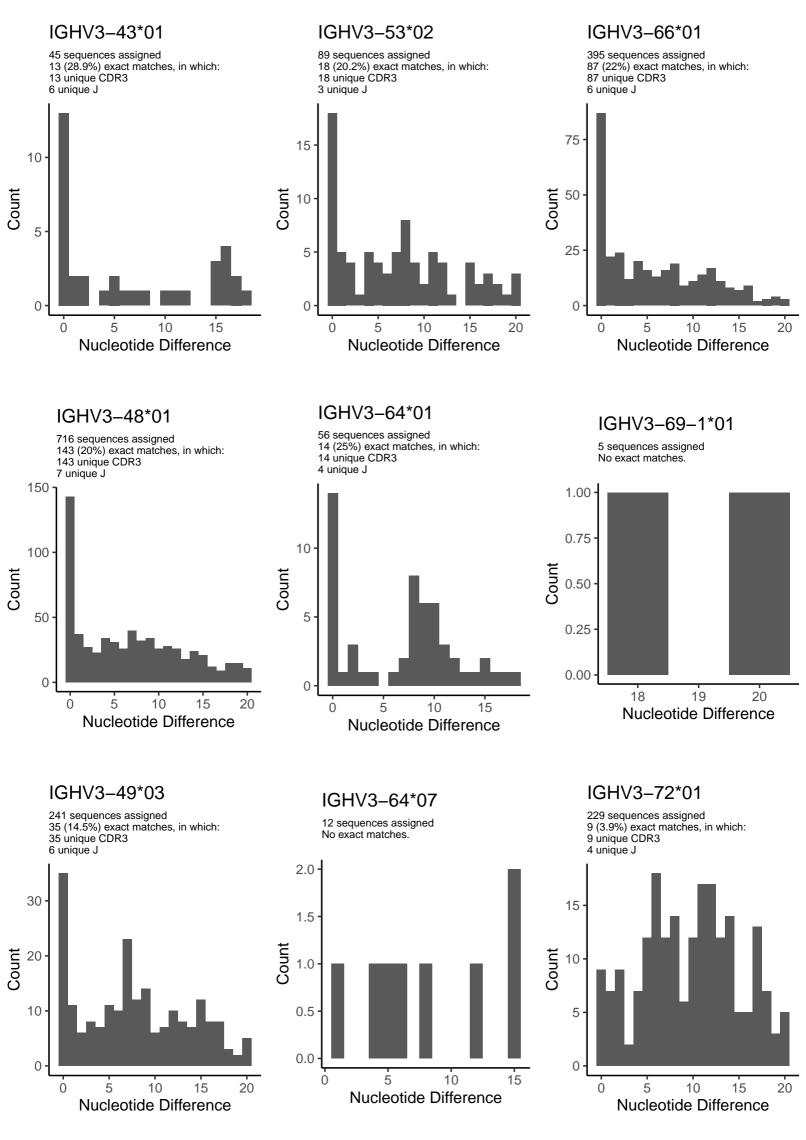
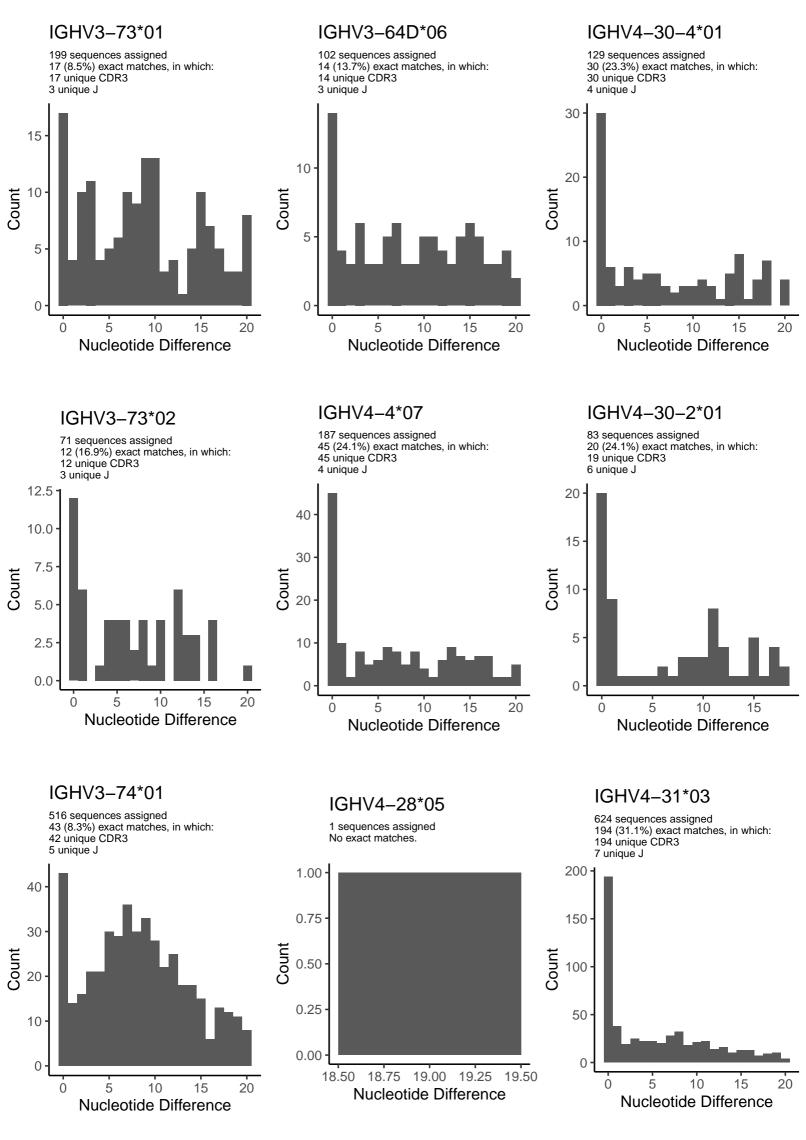
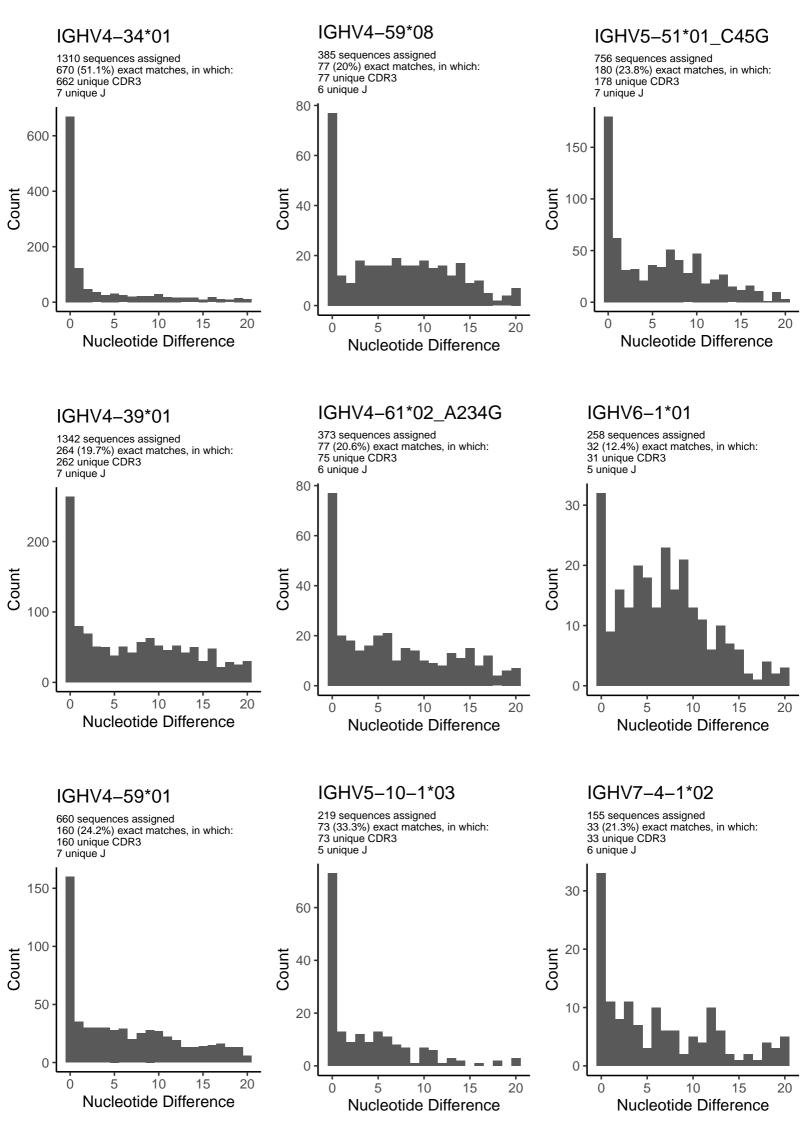


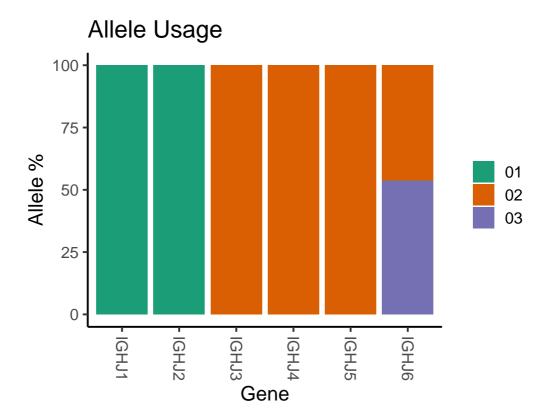
IGHV2-5*01 IGHV3-7*03 IGHV2-70*01 767 sequences assigned 82 (10.7%) exact matches, in which: 223 sequences assigned 34 (15.2%) exact matches, in which: 25 sequences assigned 9 (36%) exact matches, in which: 81 unique CDR3 34 unique CDR3 9 unique CDR3 4 unique J 4 unique J 6 unique J 30 7.5 60 Count Count 5.0 40 10 2.5 20 0.0 0 0 10 0 15 10 15 5 5 10 15 20 0 20 Nucleotide Difference **Nucleotide Difference Nucleotide Difference** IGHV2-5*02 IGHV2-70*15 IGHV3-9*01 227 sequences assigned 111 sequences assigned 534 sequences assigned 132 (24.7%) exact matches, in which: 36 (15.9%) exact matches, in which: 28 (25.2%) exact matches, in which: 27 unique CDR3 36 unique CDR3 132 unique CDR3 5 unique J 5 unique J 6 unique J 30 100 20 Count 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 661 sequences assigned 280 sequences assigned 34 (30.4%) exact matches, in which: 77 (11.6%) exact matches, in which: 66 (23.6%) 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

