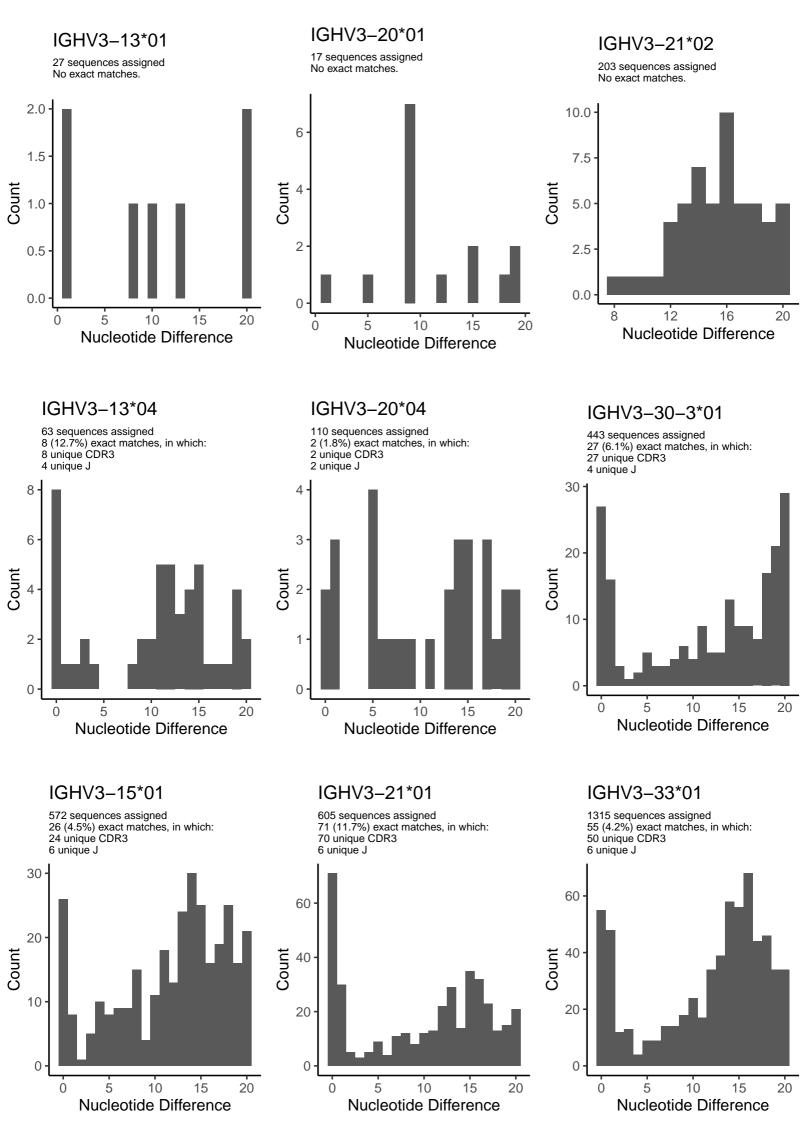
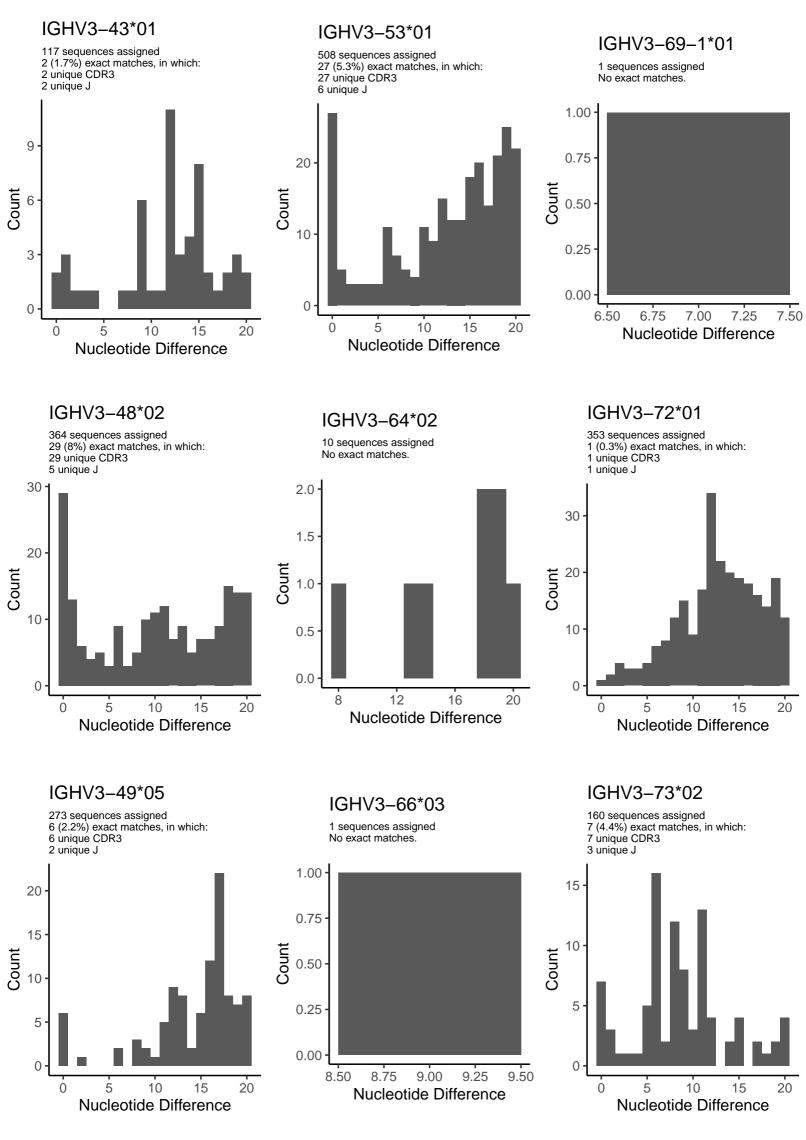
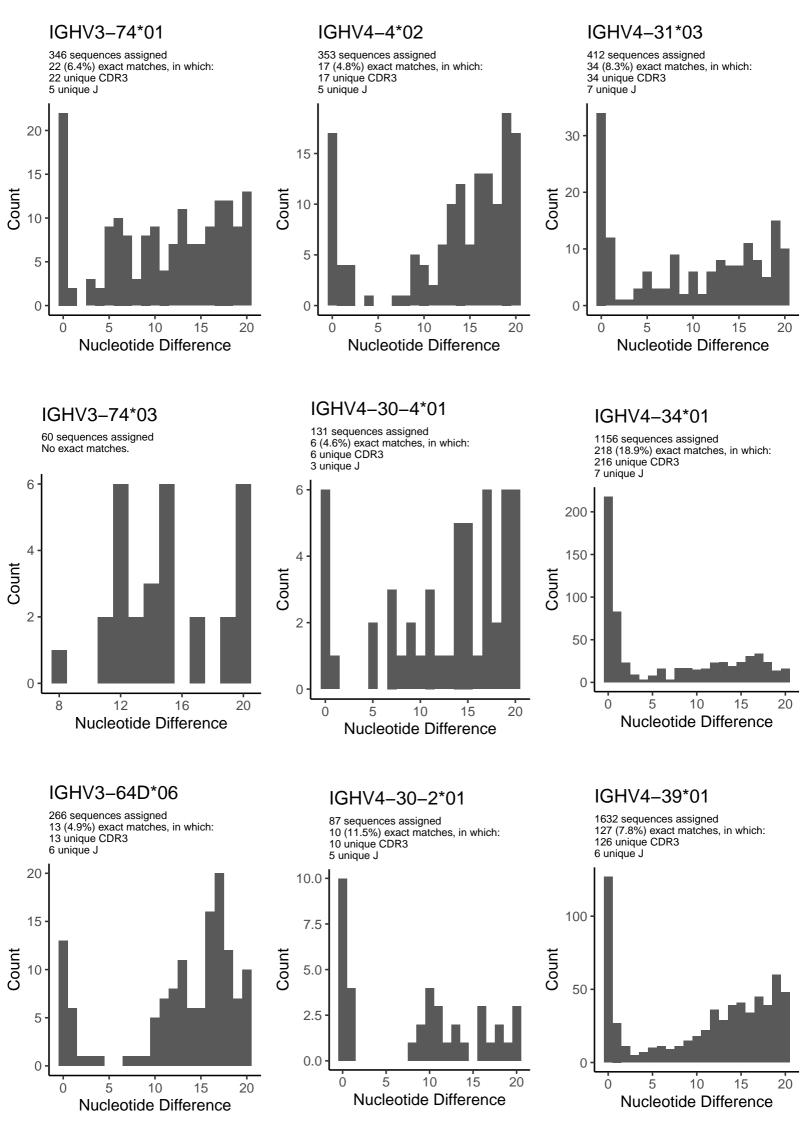
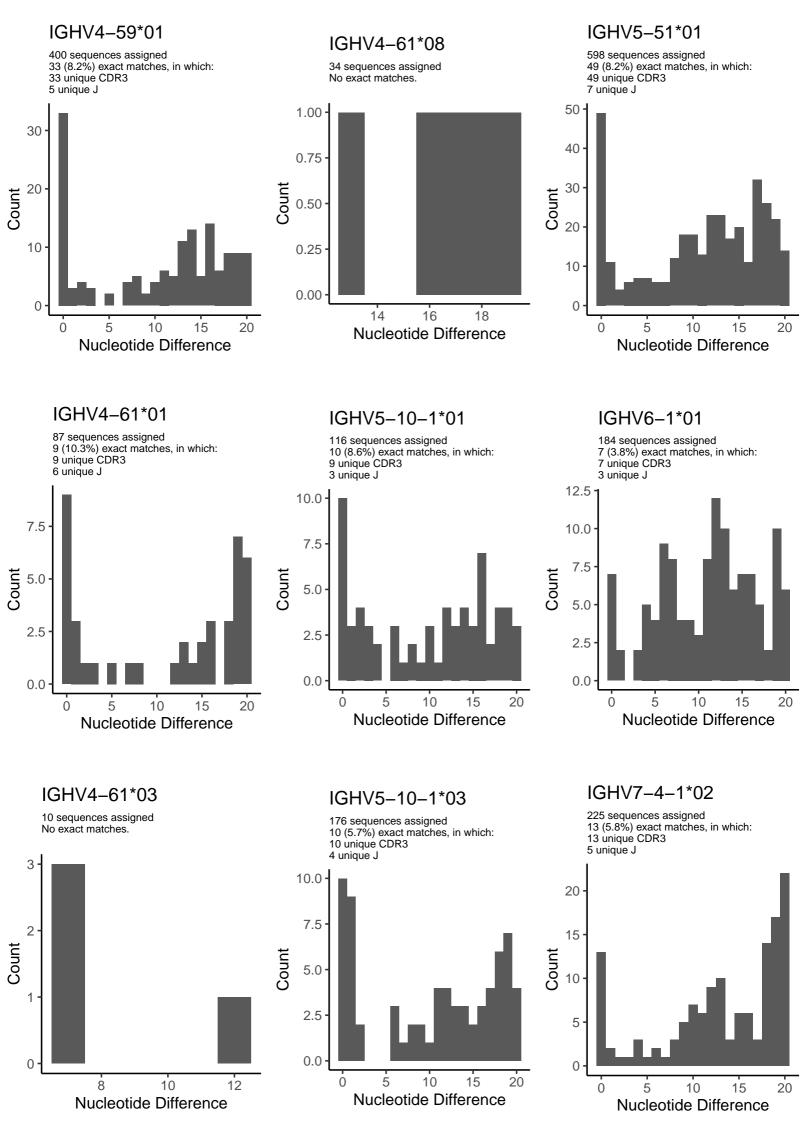


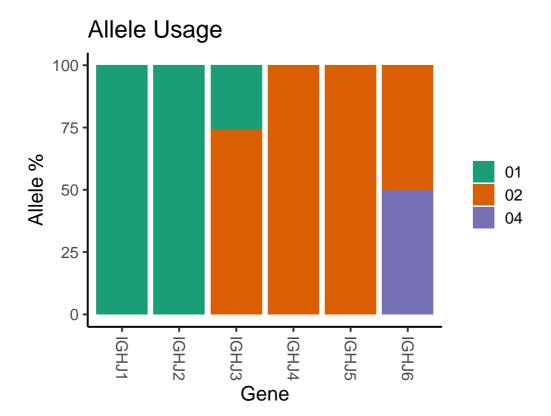
## IGHV3-7\*04 IGHV1-69\*06 IGHV2-70\*01 336 sequences assigned 51 (15.2%) exact matches, in which: 51 unique CDR3 185 sequences assigned 7 (3.8%) exact matches, in which: 7 unique CDR3 78 sequences assigned 9 (11.5%) exact matches, in which: 9 unique CDR3 4 unique J 5 unique J 5 unique J 9 7.5 40 30 Count Count Count 5.0 6 20 2.5 3 10 0 0.0 0 20 0 10 10 5 0 15 20 10 15 20 Nucleotide Difference **Nucleotide Difference Nucleotide Difference** IGHV2-5\*02 IGHV3-11\*05 IGHV2-70\*13 781 sequences assigned 319 sequences assigned 27 sequences assigned 28 (3.6%) exact matches, in which: 28 unique CDR3 16 (5%) exact matches, in which: (3.7%) exact matches, in which: 1 ùniqué CDR3 16 unique CDR3 5 unique J 1 unique J 3 unique J 2.0 30 15 1.5 20 Count Count Count 1.0 10 5 0.5 0.0 0 0 15 5 10 0 10 15 20 0 10 15 20 5 0 5 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV3-11\*06 IGHV3-7\*01 IGHV2-26\*01 174 sequences assigned 11 (6.3%) exact matches, in which: 238 sequences assigned 83 sequences assigned 8 (3.4%) exact matches, in which: 4 (4.8%) exact matches, in which: 11 unique CDR3 7 unique CDR3 4 unique CDR3 2 unique J 4 unique J 3 unique J 12.5 9 10.0 10 7.5 Count Count 6 5.0 5 3 2.5 0.0 0 0 20 5 10 15 0 0 5 10 15 20 10 0 5 15 20 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference**



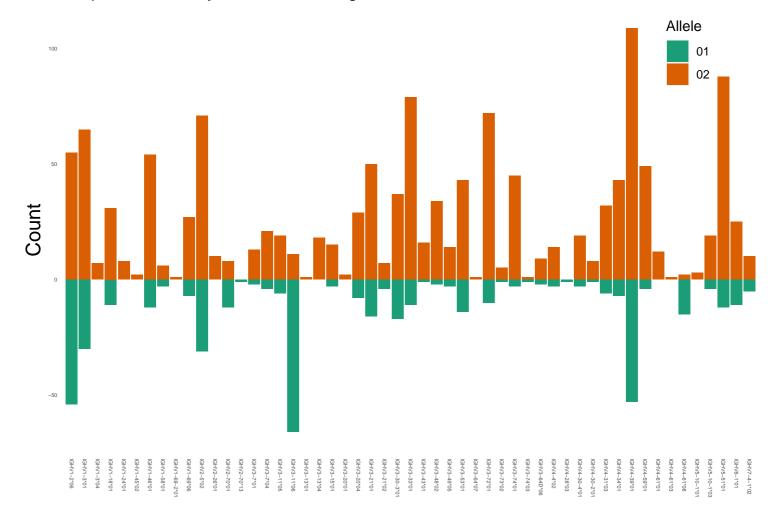








## Sequence Count by IGHJ3 allele usage



## Sequence Count by IGHJ6 allele usage

