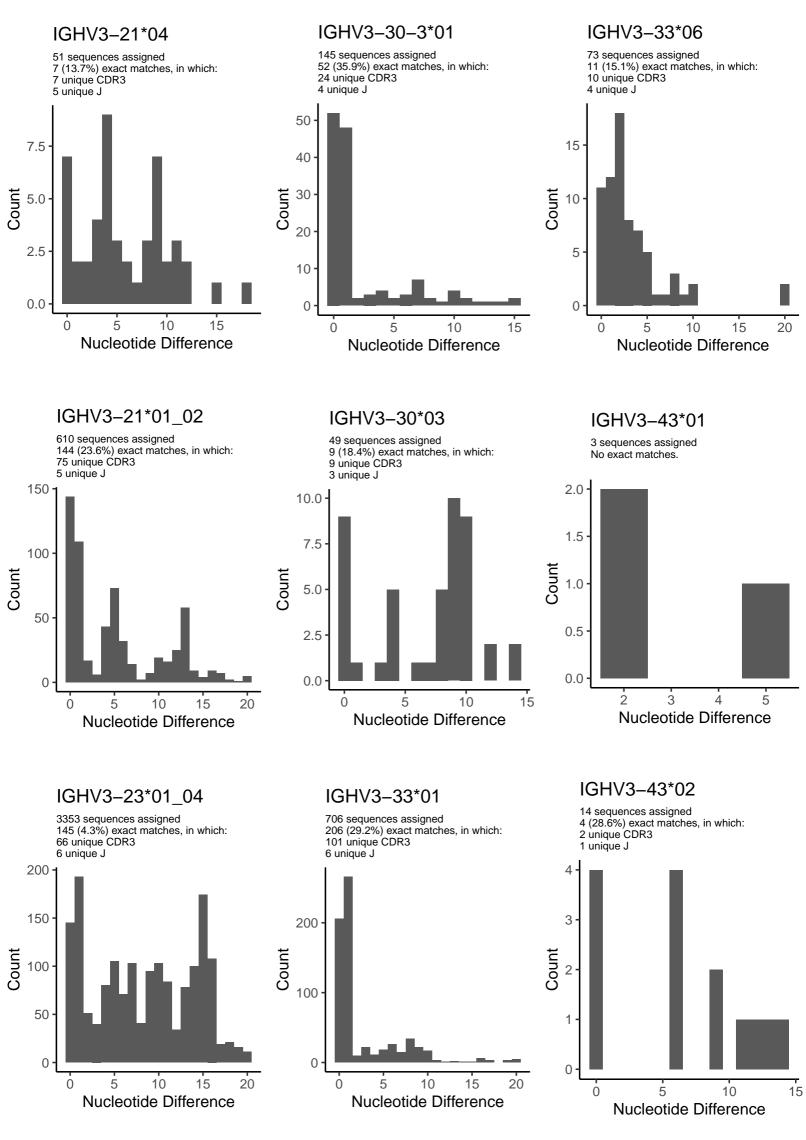
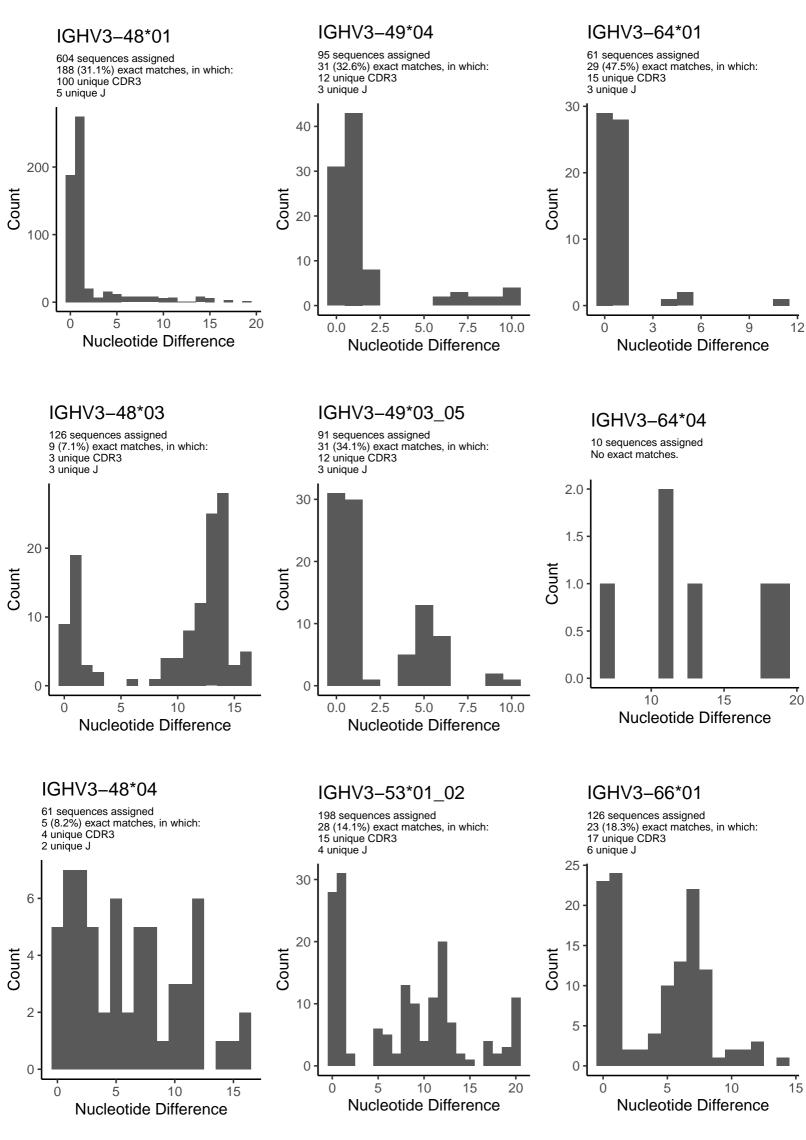
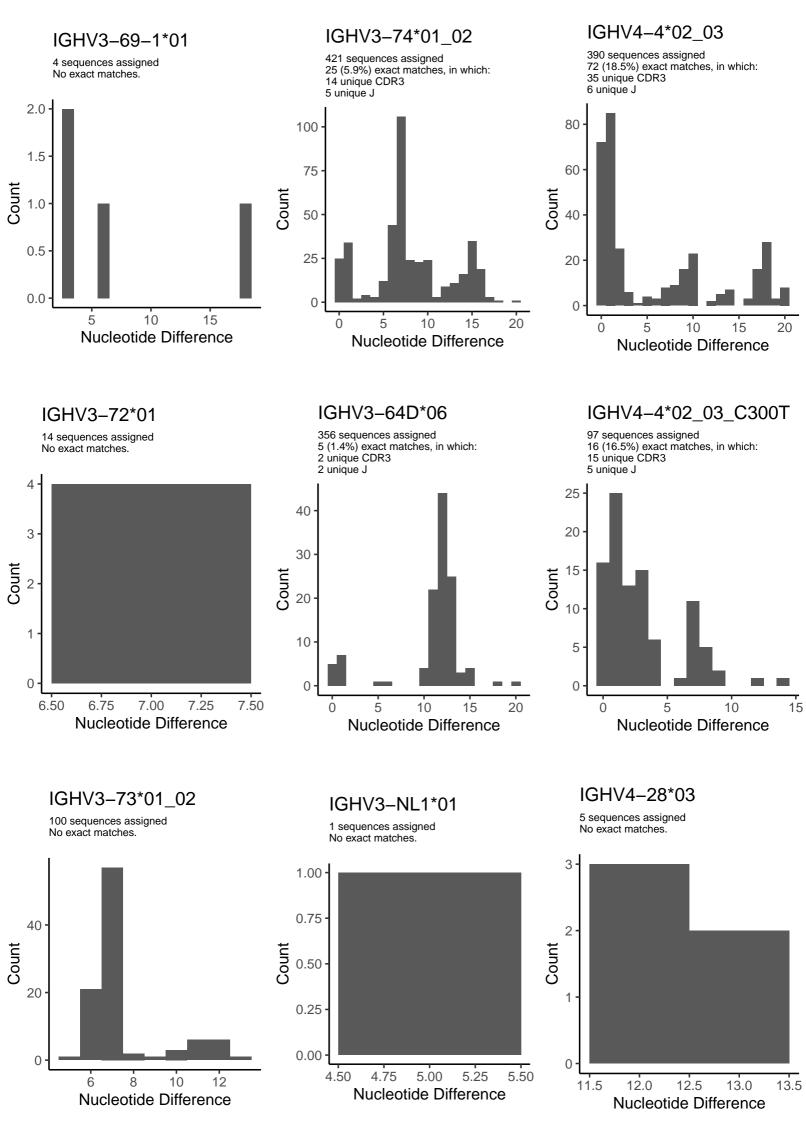
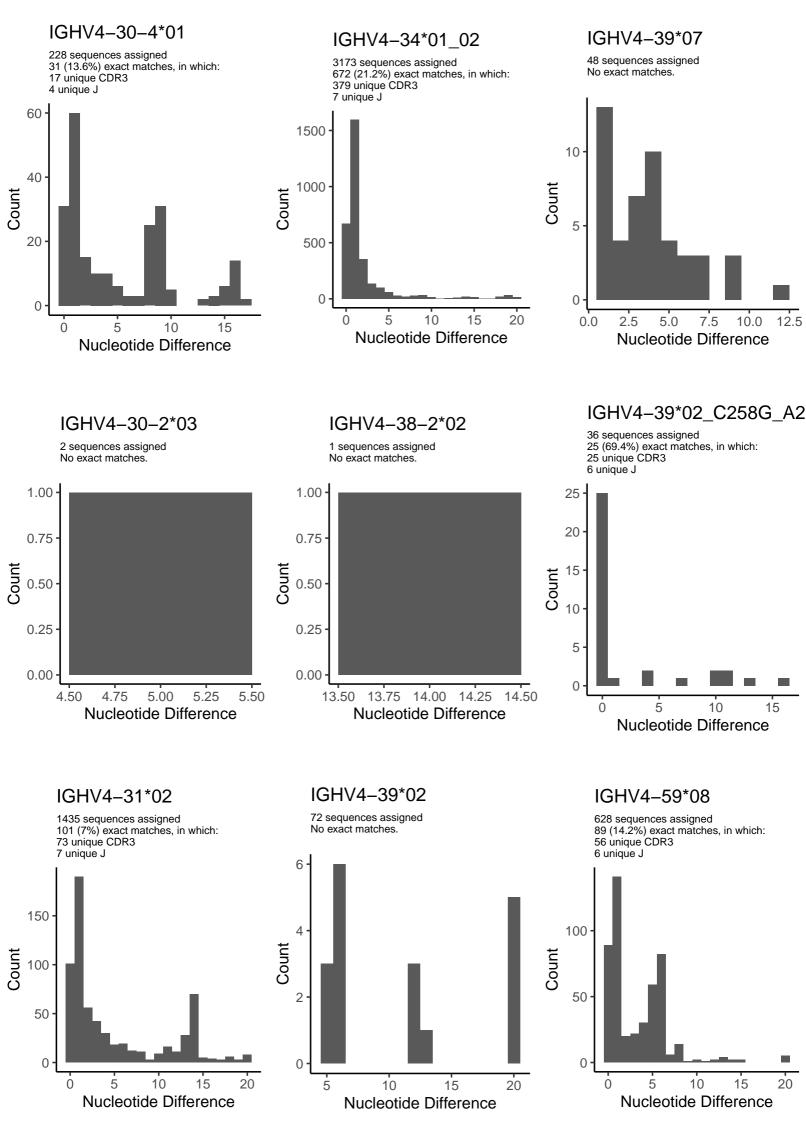


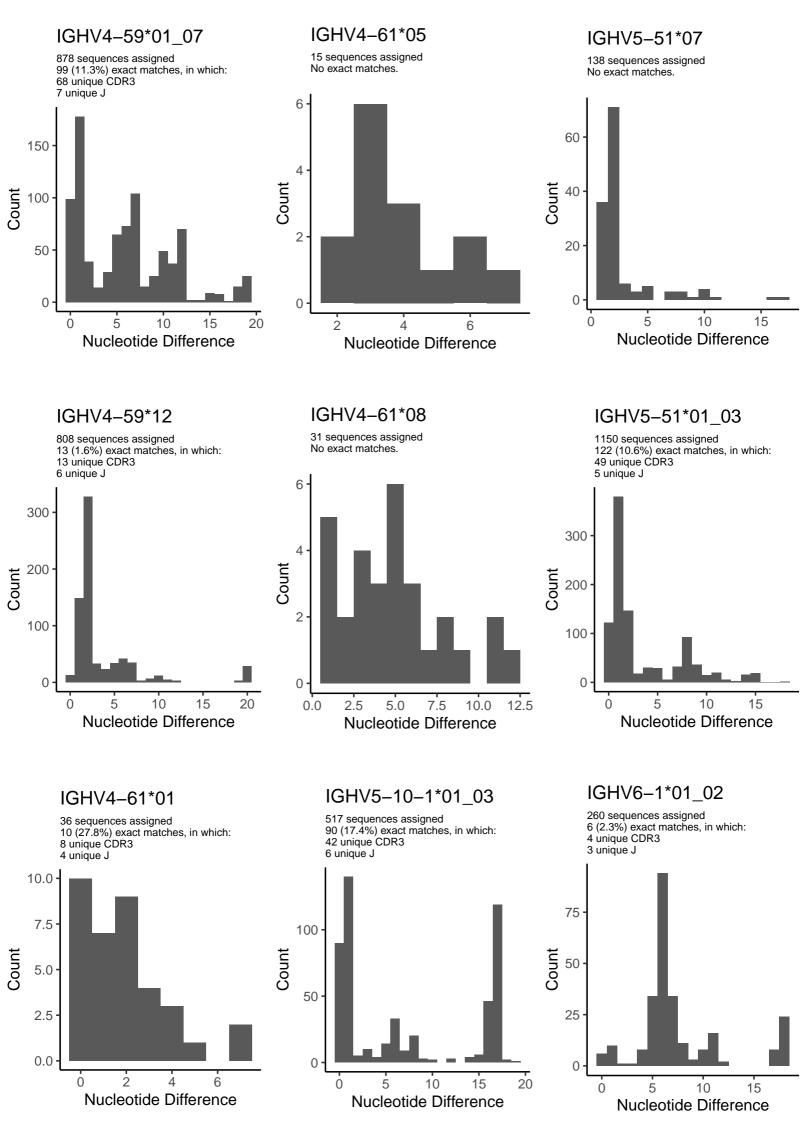
## IGHV3-7\*04 IGHV3-13\*04 IGHV3-11\*04 382 sequences assigned 29 (7.6%) exact matches, in which: 65 sequences assigned 85 sequences assigned 4 (6.2%) exact matches, in which: 7 (8.2%) exact matches, in which: 2 unique CDR3 13 unique CDR3 6 ùniqué CDR3 4 unique J 1 unique J 3 unique J 12.5 60 10.0 20 7.5 Count Count 5.0 10 20 2.5 0.0 0 10 15 5 0 10 15 0 20 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV3-15\*01\_02 IGHV3-11\*06 IGHV3-9\*01 79 sequences assigned 192 sequences assigned 324 sequences assigned 66 (20.4%) exact matches, in which: 12 (6.2%) exact matches, in which: 4 (5.1%) exact matches, in which: 6 unique CDR3 3 unique CDR3 26 unique CDR3 2 unique J 2 unique J 3 unique J 15 100 -40 75 10 30 Count Count 50 20 5 25 10 0 0 0 10 15 20 0 5 10 15 5 10 15 0 5 20 0 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-11\*03\_05 IGHV3-20\*03\_04 IGHV3-11\*01 245 sequences assigned 94 sequences assigned 1779 sequences assigned 32 (13.1%) exact matches, in which: 17 (18.1%) exact matches, in which: 30 (1.7%) exact matches, in which: 15 unique CDR3 10 unique CDR3 14 unique CDR3 4 unique J 2 unique J 6 unique J 60 900 40 Count Count 10 Count 600 20 300 5 0 0 0 10 15 0 5 10 0 15 20 0 10 15 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference**

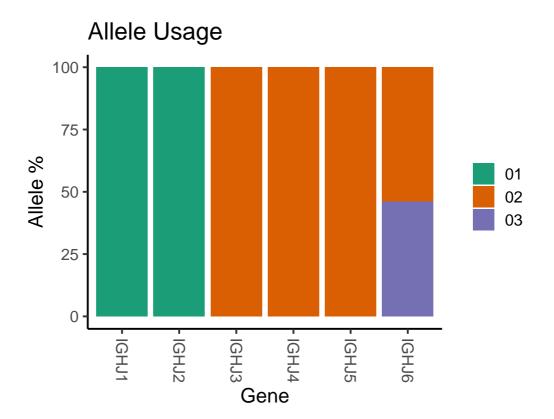












## Sequence Count by IGHJ6 allele usage

