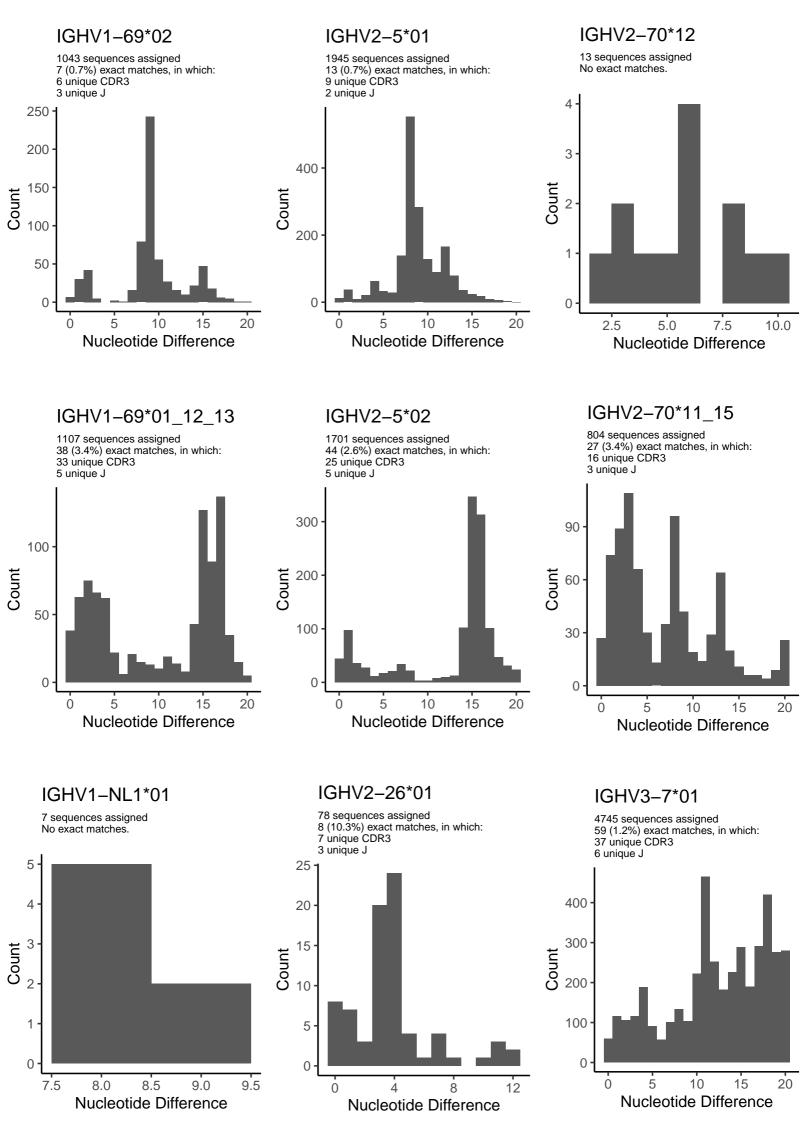
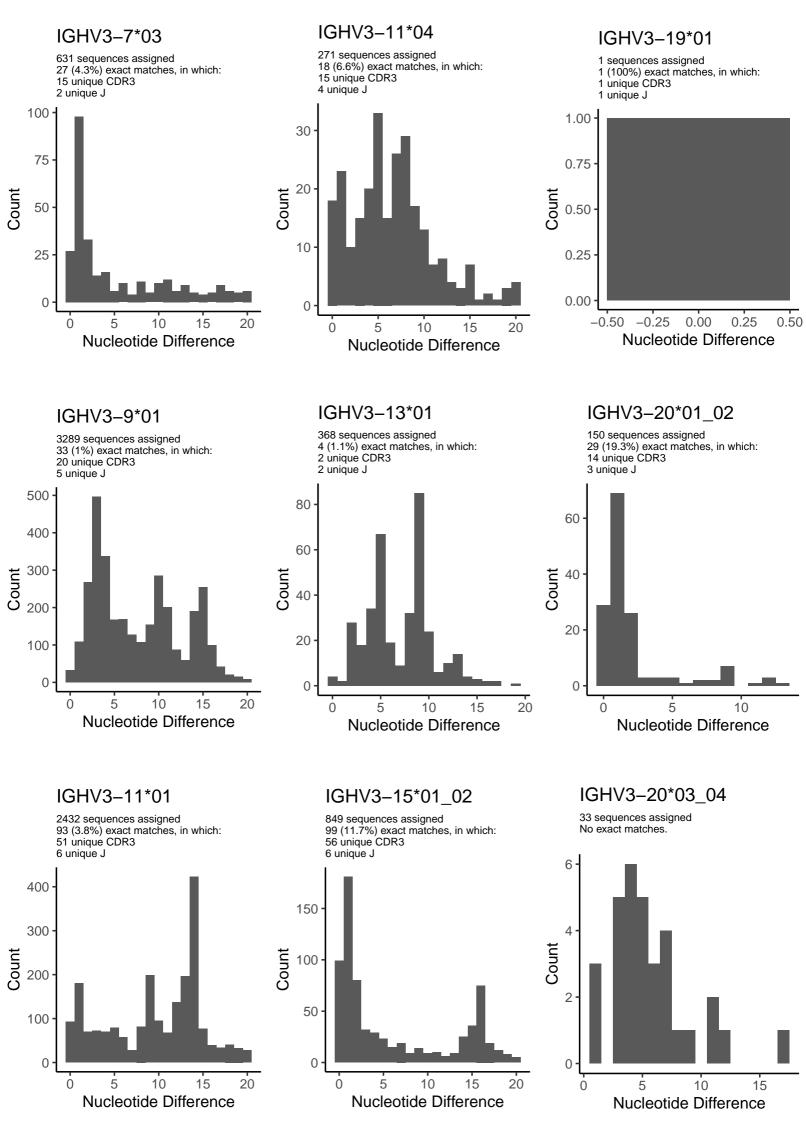
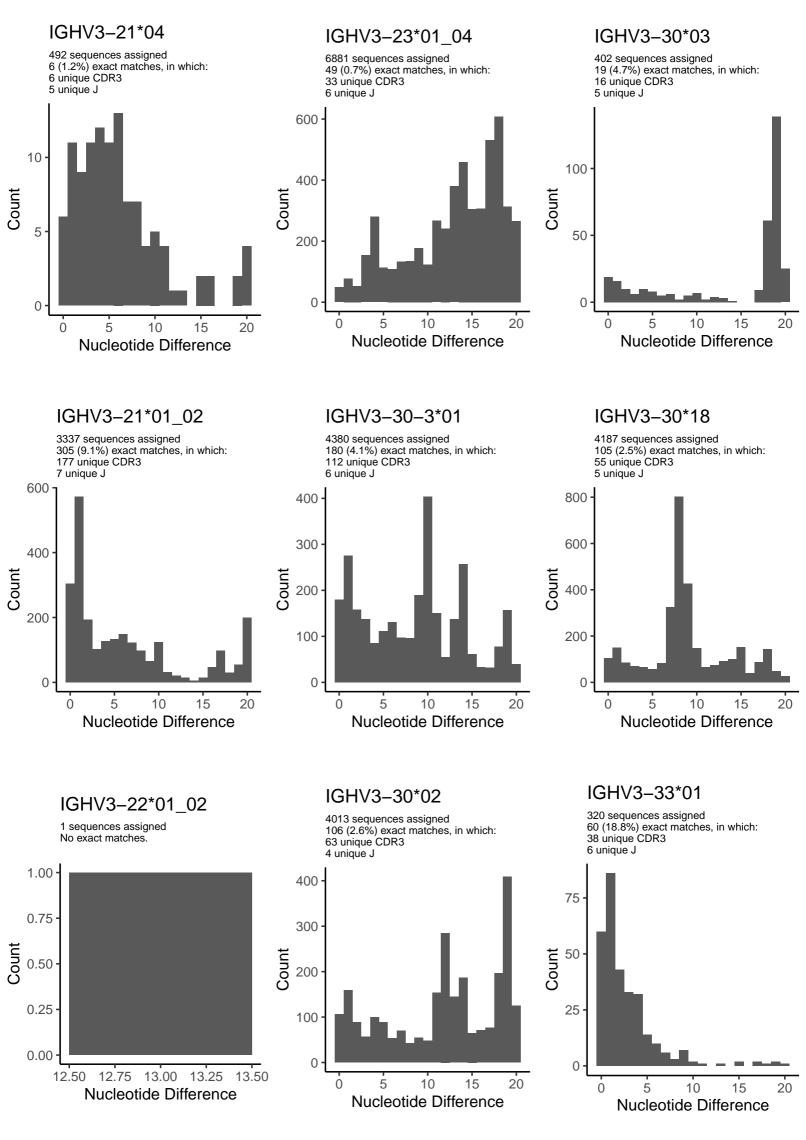
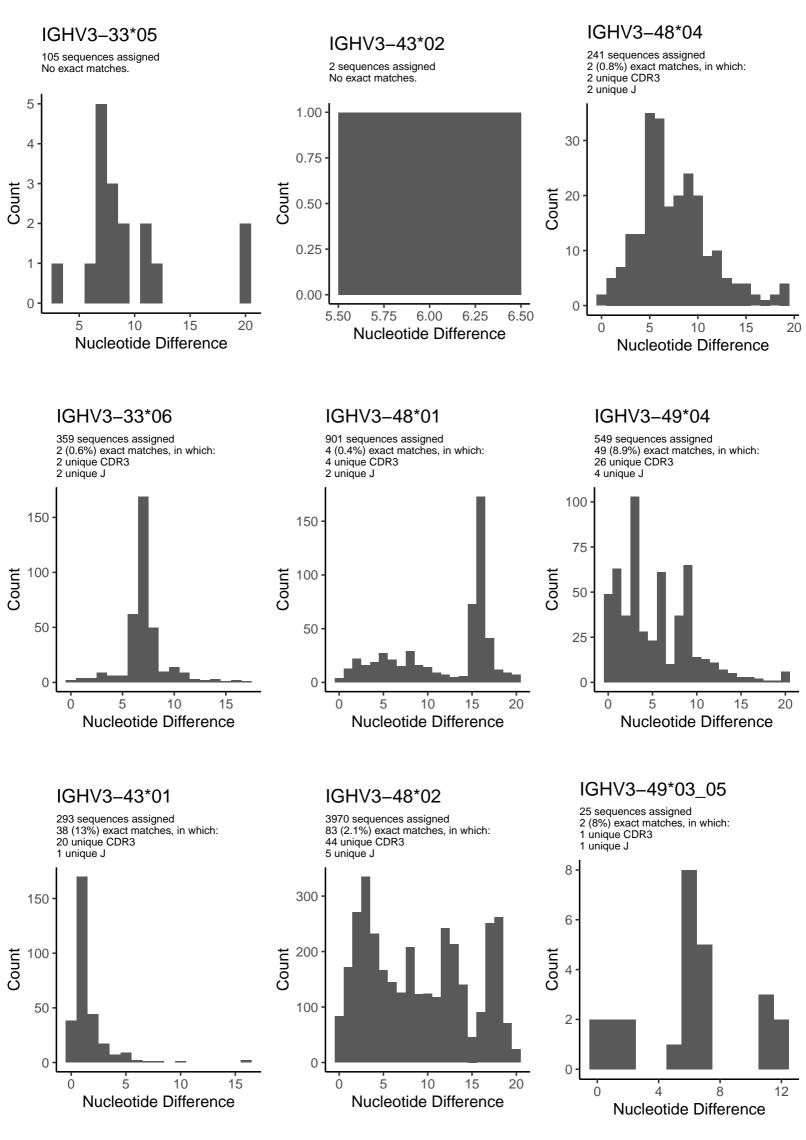
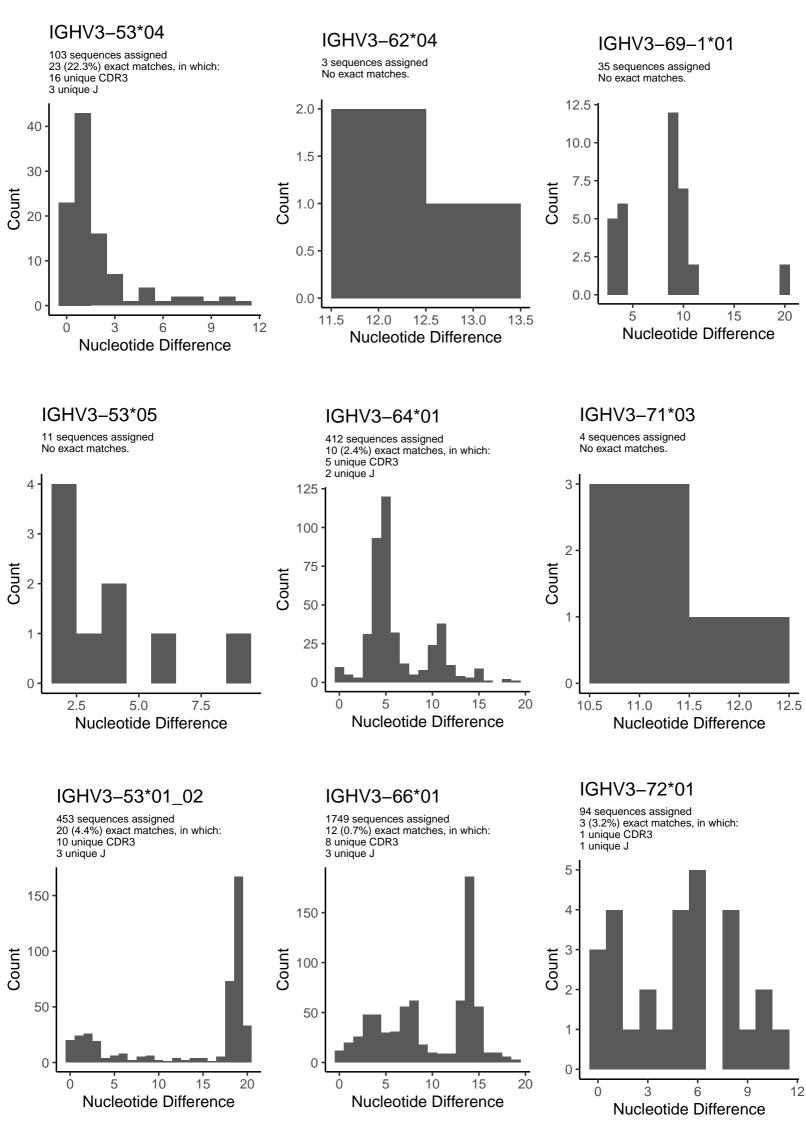
## IGHV1-2\*06 IGHV1-18\*01 IGHV1-46\*01 6633 sequences assigned 3727 sequences assigned 1981 sequences assigned 74 (3.7%) exact matches, in which: 45 unique CDR3 207 (3.1%) exact matches, in which: 125 (3.4%) exact matches, in which: 78 unique CDR3 129 unique CDR3 7 unique J 6 unique J 5 unique J 250 800 600 200 600 400 150 Count 400 100 200 200 50 0 0 0 5 10 15 20 5 10 15 20 5 10 15 20 0 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-3\*01\_05 IGHV1-18\*04 IGHV1-58\*02 3189 sequences assigned 27 (0.8%) exact matches, in which: 709 sequences assigned 25 (3.5%) exact matches, in which: 2753 sequences assigned 44 (1.6%) exact matches, in which: 18 uniqué CDR3 33 unique CDR3 17 unique CDR3 4 unique J 5 unique J 3 unique J 500 200 400 150 200 300 Count Count Count 100 200 100 50 100 0 0 0 15 20 10 15 20 10 20 0 5 10 0 5 0 5 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-8\*01 IGHV1-58\*01\_03 IGHV1-24\*01 285 sequences assigned 1073 sequences assigned 392 sequences assigned 15 (5.3%) exact matches, in which: 76 (7.1%) exact matches, in which: 10 (2.6%) exact matches, in which: 53 unique CDR3 10 unique CDR3 9 unique CDR3 6 unique J 4 unique J 3 unique J 100 90 90 75 Count Count 60 50 30 30 25 0 0 20 5 10 15 10 0 5 10 15 20 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference

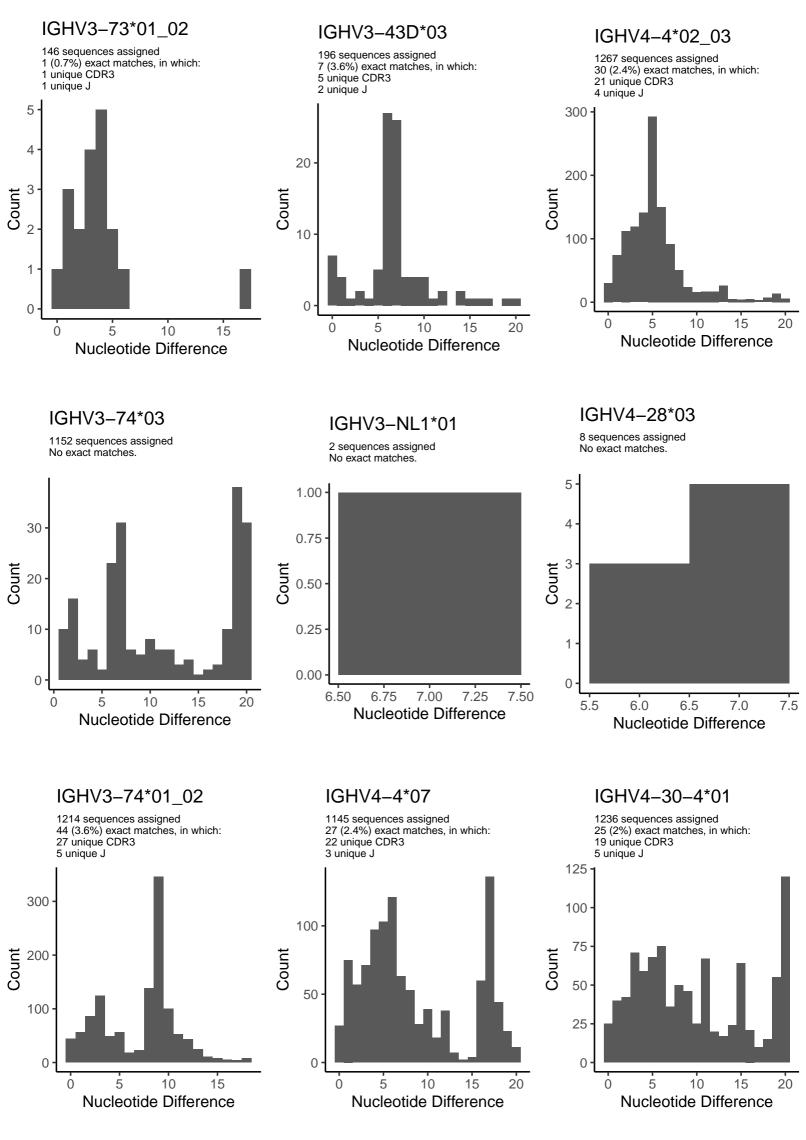


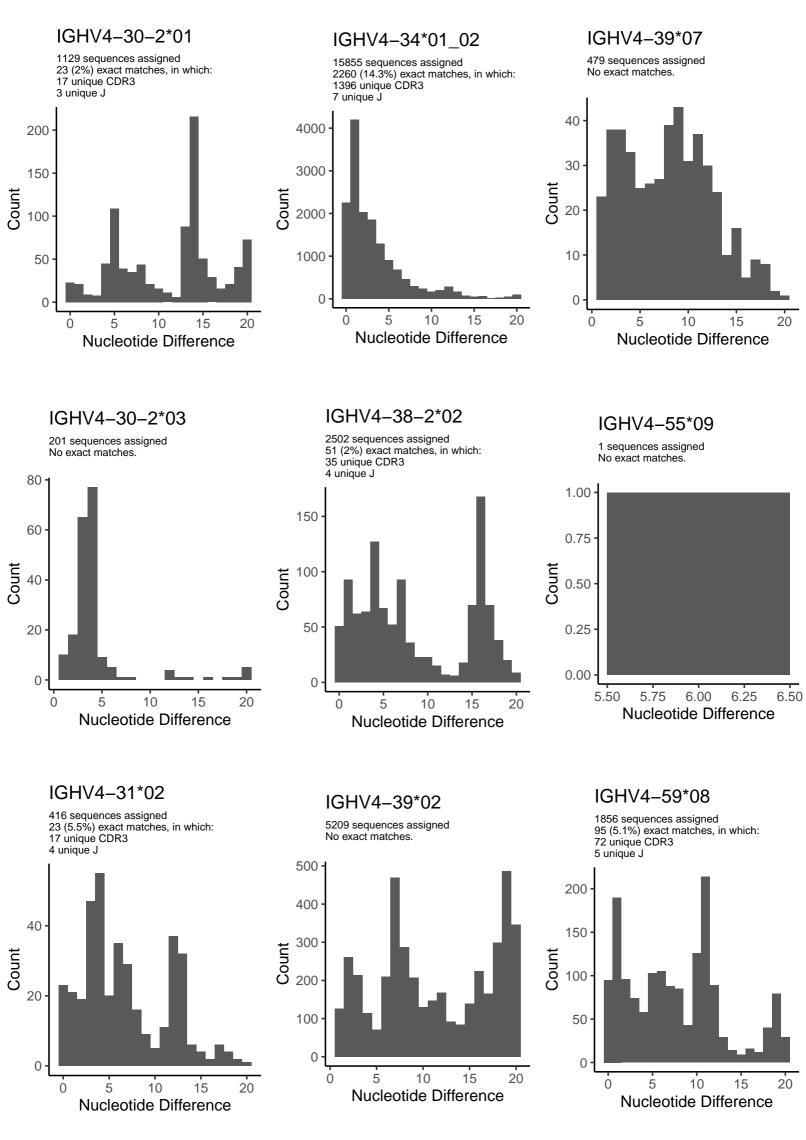


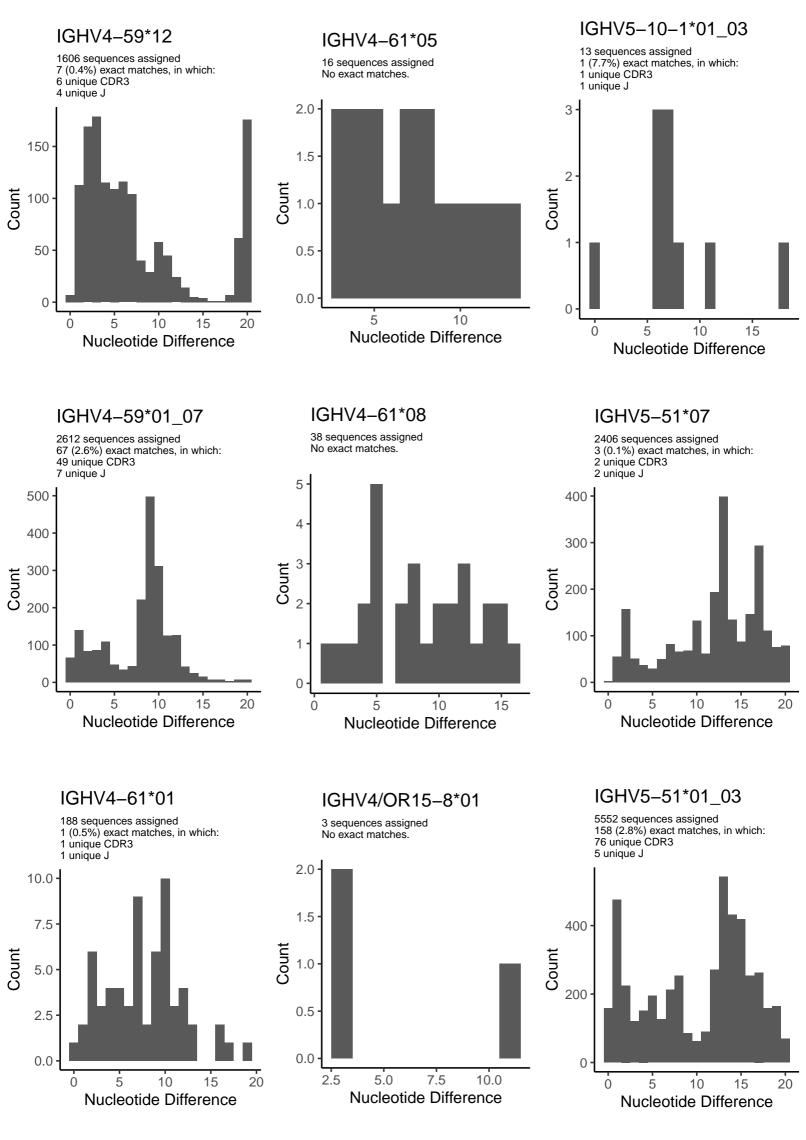






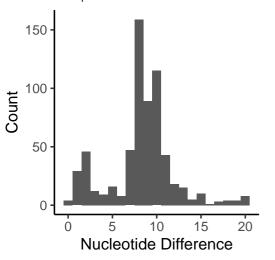






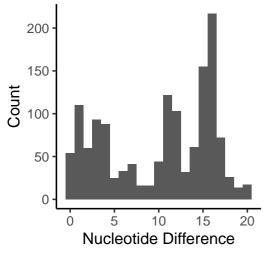
## IGHV6-1\*01\_02

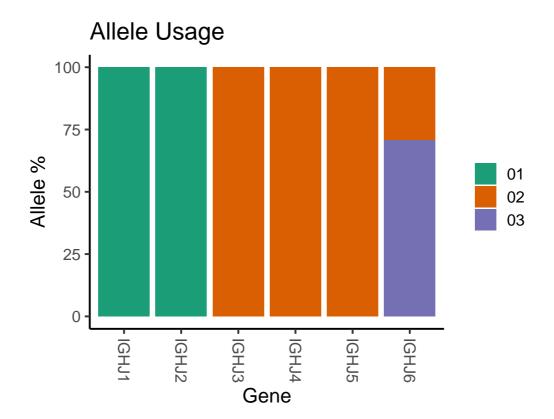
845 sequences assigned 4 (0.5%) exact matches, in which: 3 unique CDR3 2 unique J



## IGHV7-4-1\*02

1580 sequences assigned 54 (3.4%) exact matches, in which: 36 unique CDR3 4 unique J





## Sequence Count by IGHJ6 allele usage

