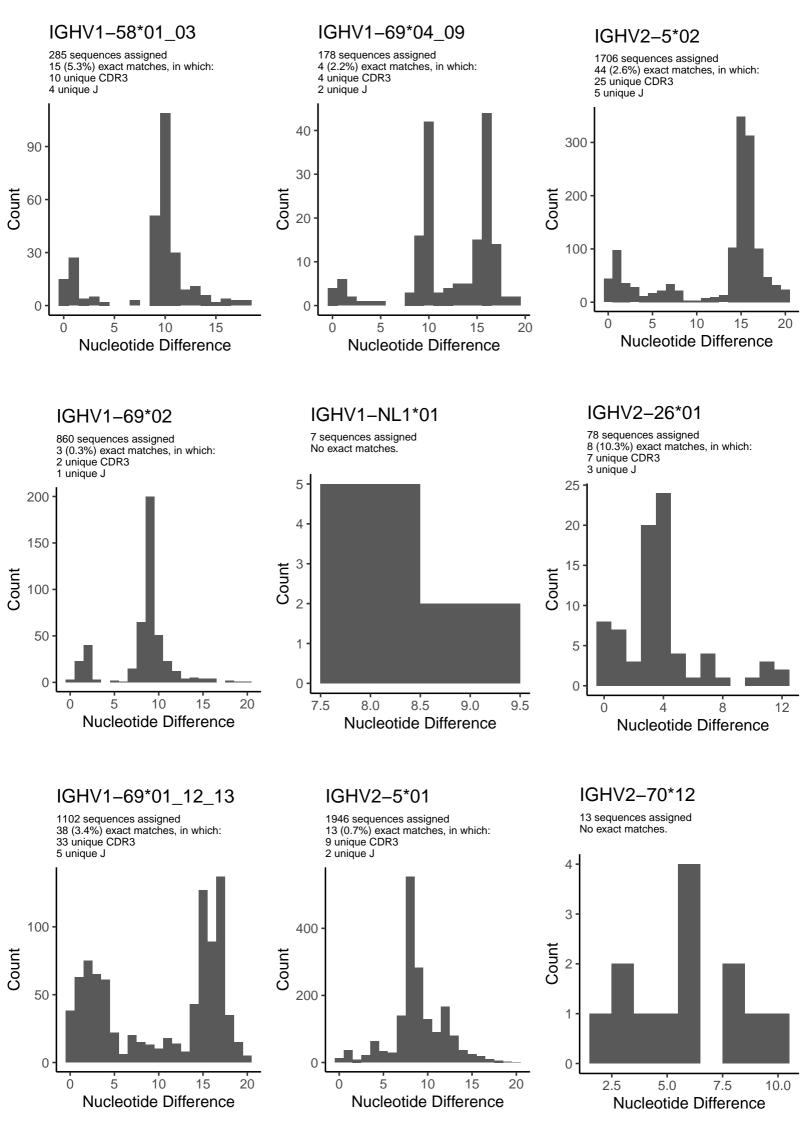
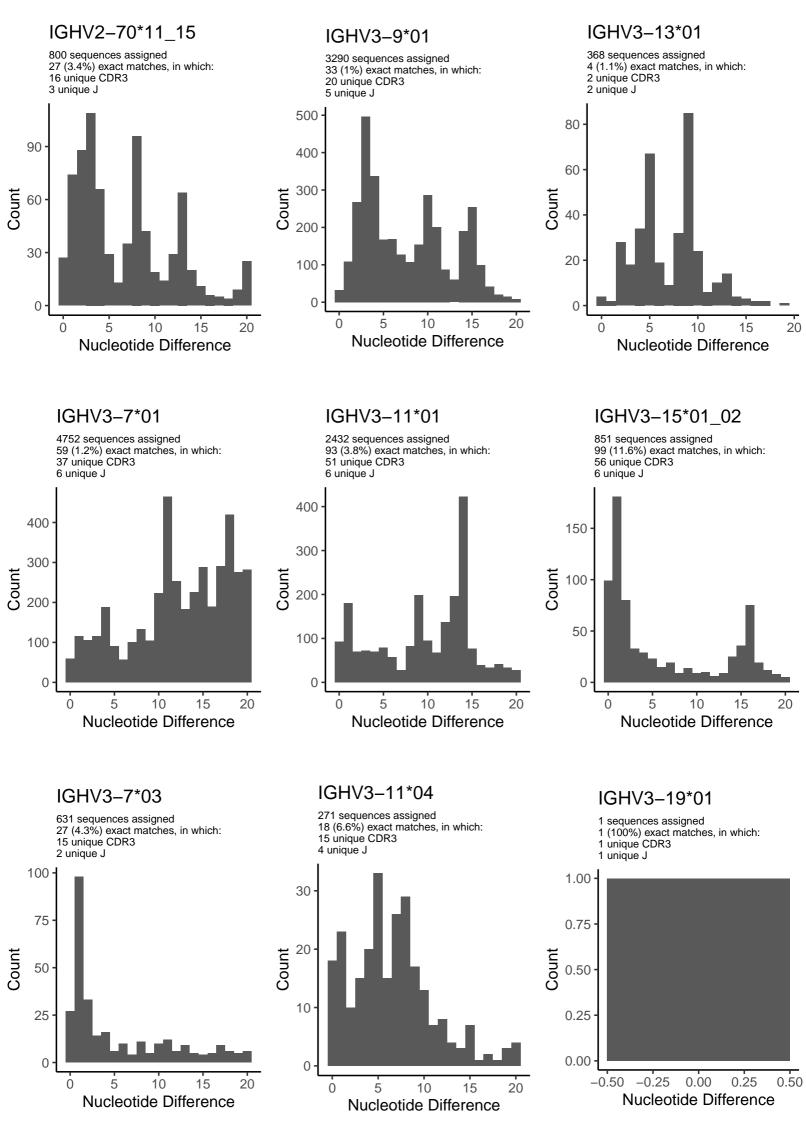
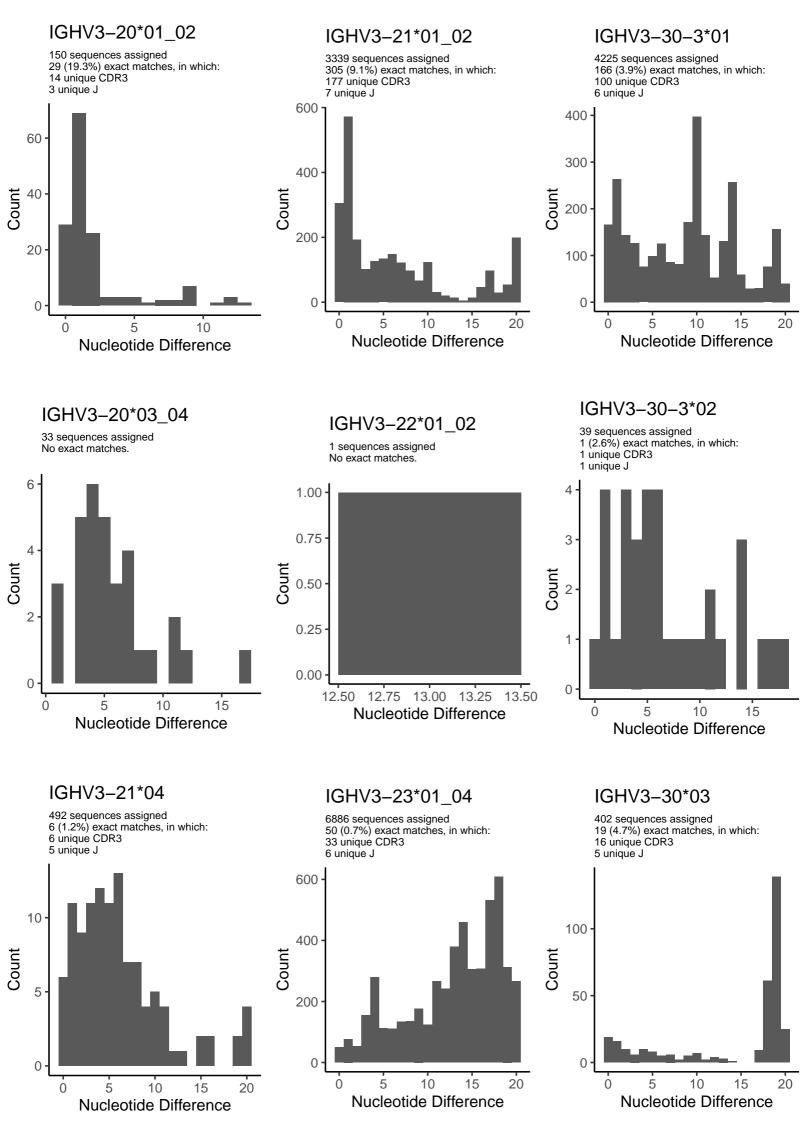
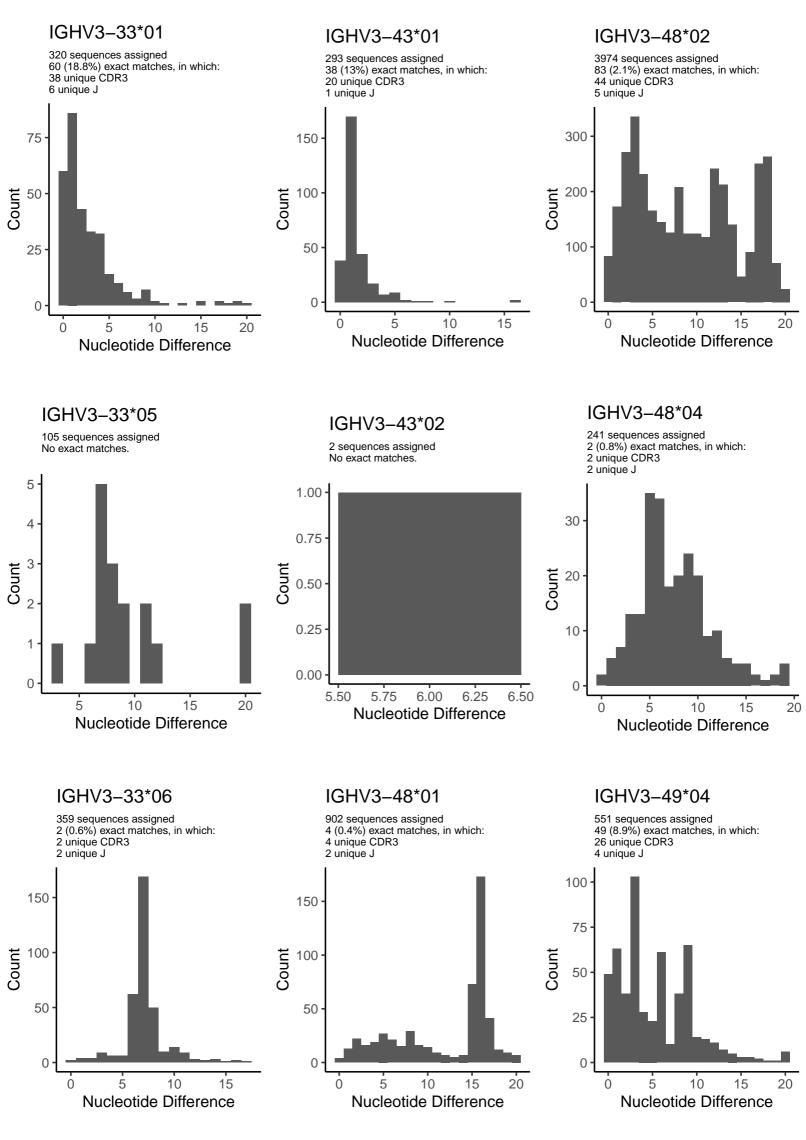
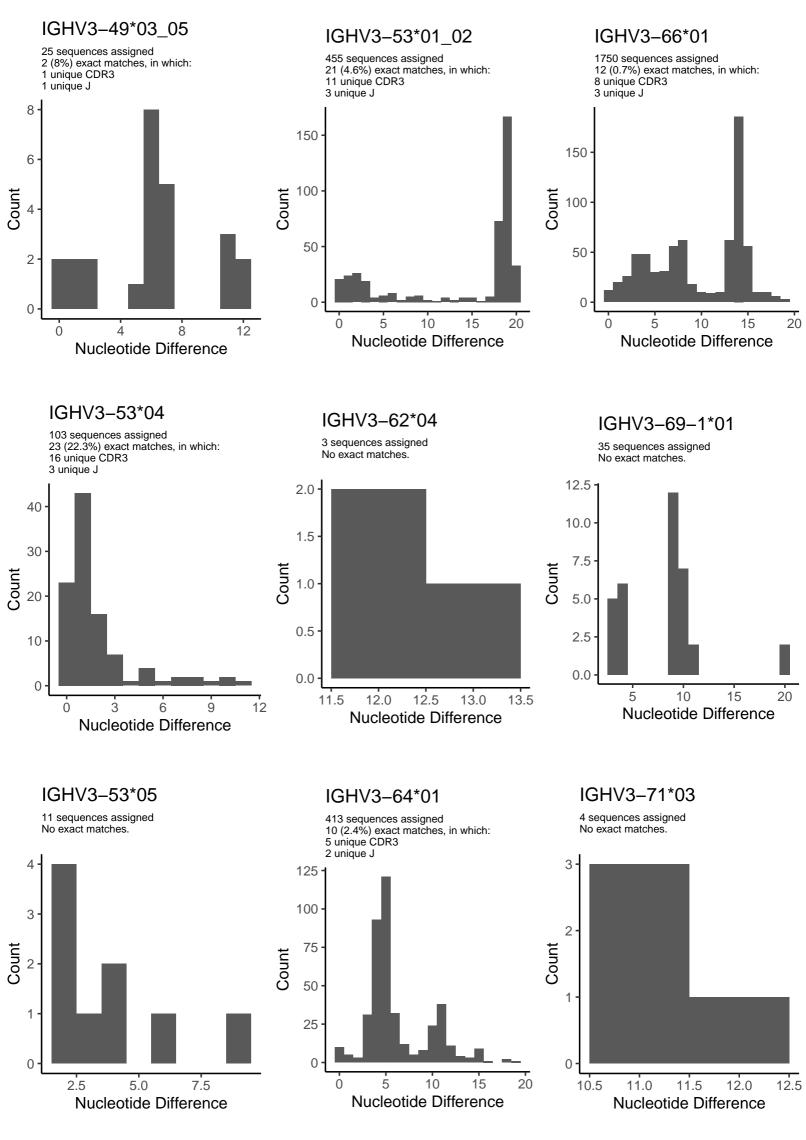
IGHV1-2*06 IGHV1-18*01 IGHV1-46*01 3729 sequences assigned 805 sequences assigned 6635 sequences assigned 207 (3.1%) exact matches, in which: 125 (3.4%) exact matches, in which: 64 (8%) exact matches, in which: 78 unique CDR3 37 unique CDR3 129 unique CDR3 7 unique J 6 unique J 5 unique J 150 800 600 600 100 400 Count Count 400 50 200 200 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 IGHV1-46*03 3192 sequences assigned 27 (0.8%) exact matches, in which: 1147 sequences assigned 9 (0.8%) exact matches, in which: 2755 sequences assigned 44 (1.6%) exact matches, in which: 18 uniqué CDR3 7 uniqué CDR3 33 unique CDR3 4 unique J 5 unique J 4 unique J 500 200 400 200 150 300 Count Count Count 100 200 100 50 100 0 0 0 15 20 10 15 20 20 0 5 10 0 5 5 10 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-8*01 IGHV1-24*01 IGHV1-58*02 1073 sequences assigned 392 sequences assigned 710 sequences assigned 76 (7.1%) exact matches, in which: 26 (3.7%) exact matches, in which: 10 (2.6%) exact matches, in which: 53 unique CDR3 9 unique CDR3 17 ùniqué CDR3 6 unique J 3 unique J 3 unique J 100 200 90 75 150 Count Count 50 100 30 25 50 0 0 20 5 10 15 10 15 20 0 5 10 15 20 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference

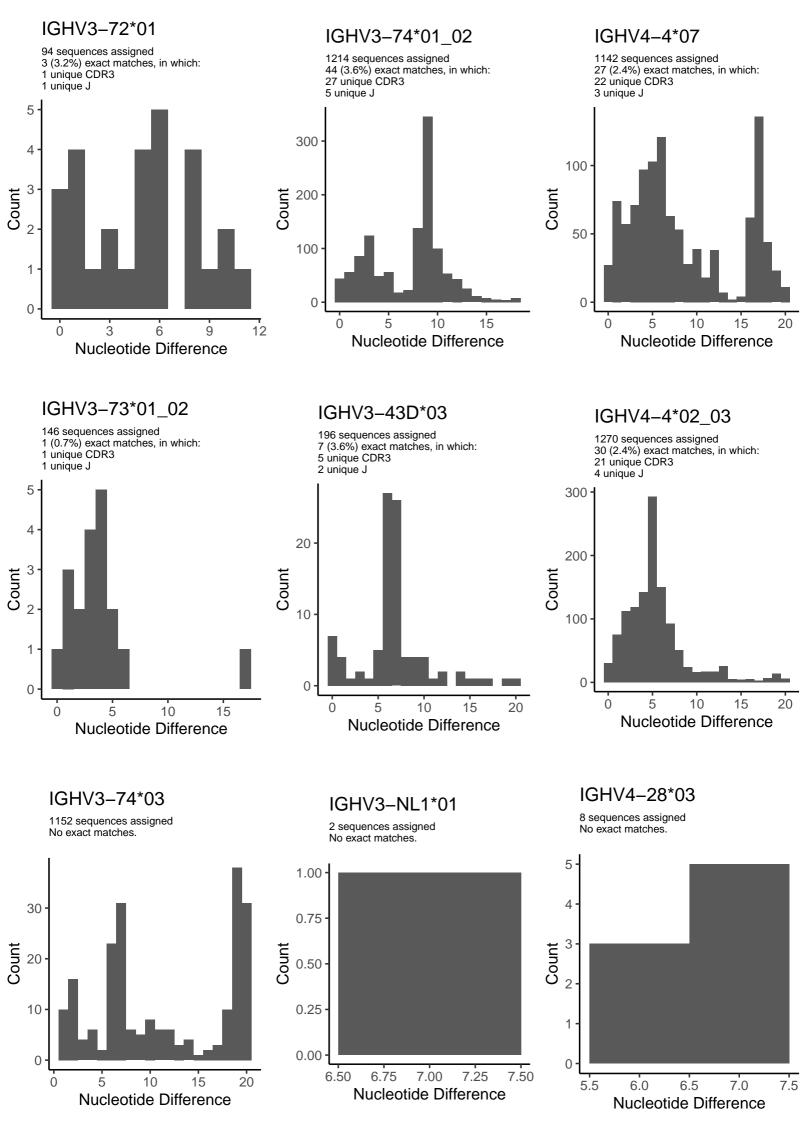


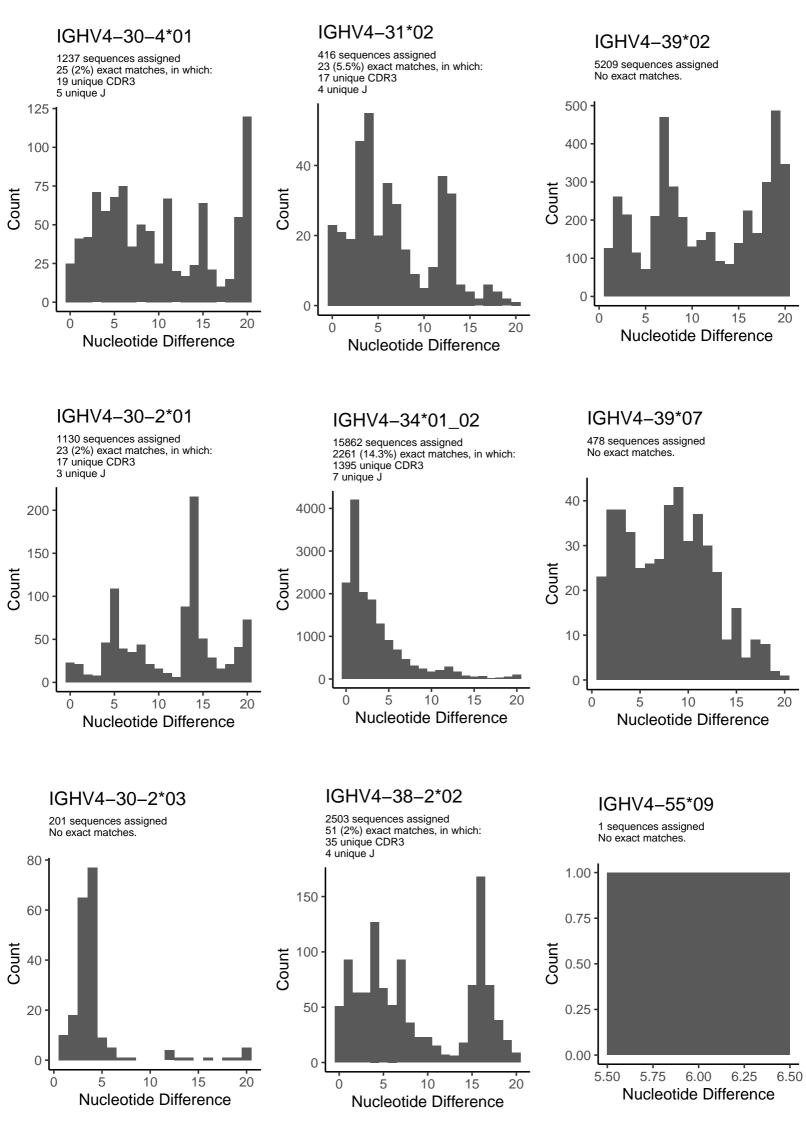


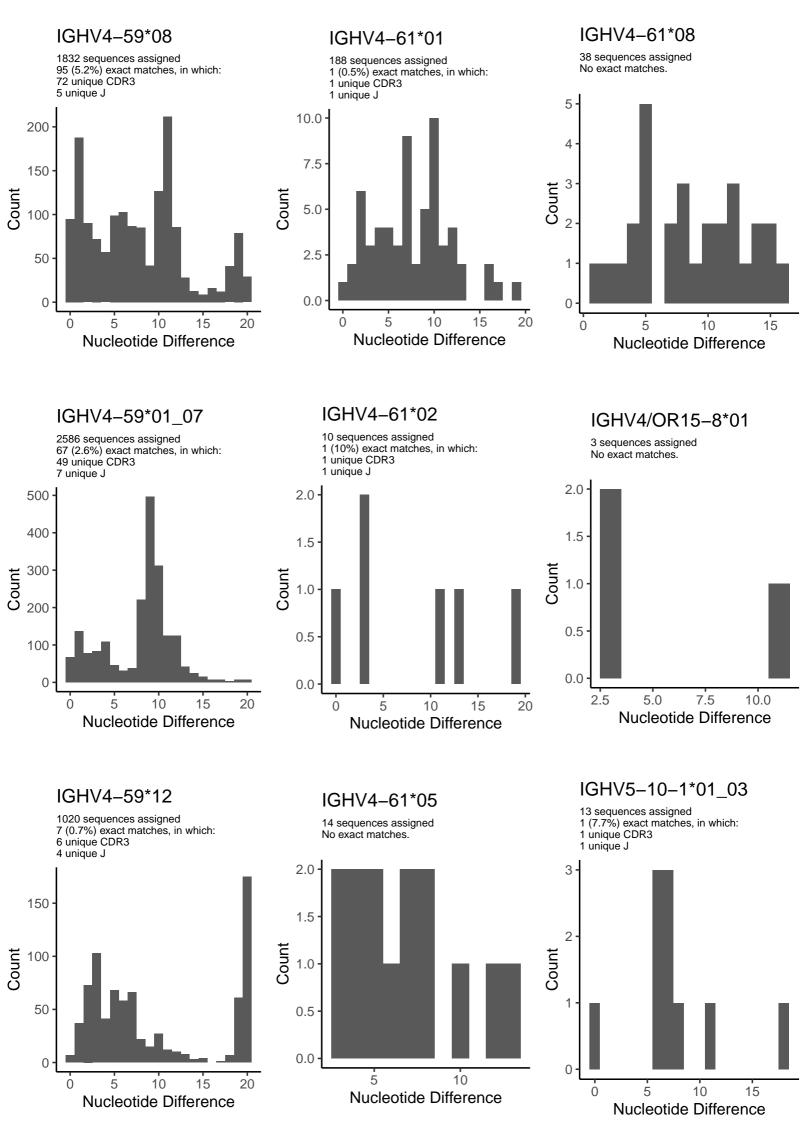






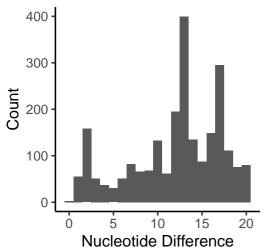






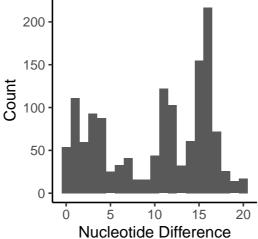
IGHV5-51*07

2416 sequences assigned 3 (0.1%) exact matches, in which: 2 unique CDR3 2 unique J



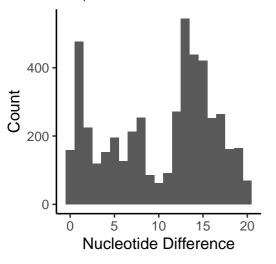
IGHV7-4-1*02

1581 sequences assigned 54 (3.4%) exact matches, in which: 36 unique CDR3 4 unique J



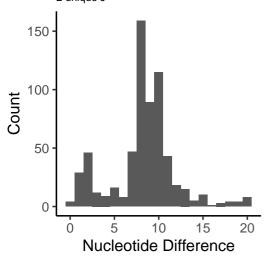
IGHV5-51*01_03

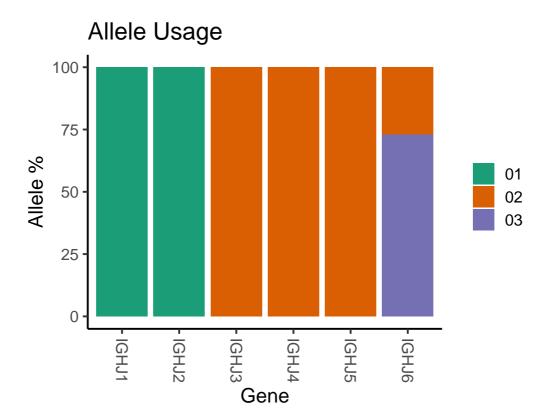
5569 sequences assigned 159 (2.9%) exact matches, in which: 76 unique CDR3 5 unique J



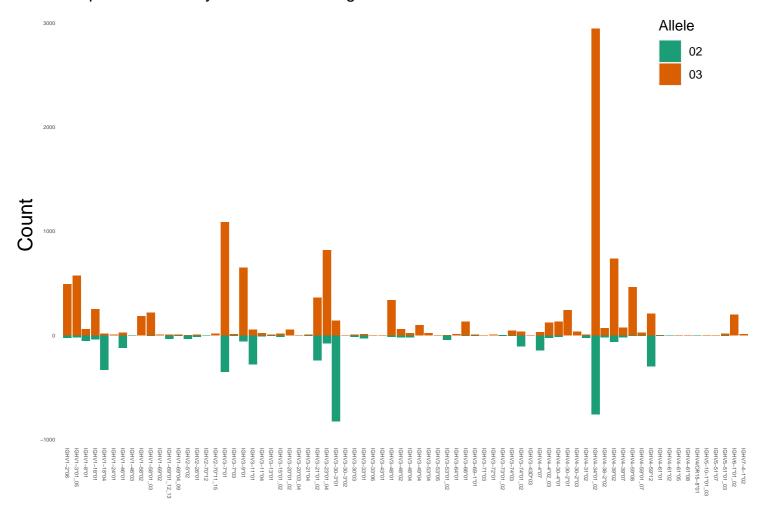
IGHV6-1*01_02

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





Sequence Count by IGHJ6 allele usage



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