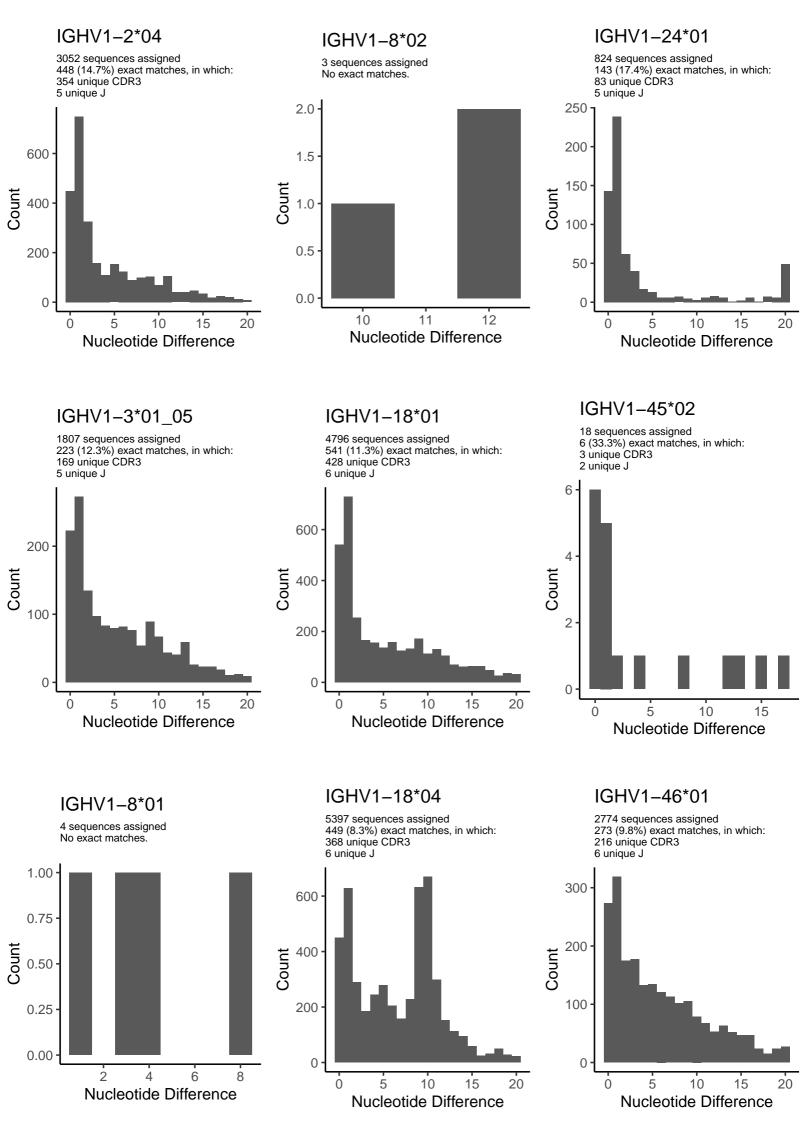
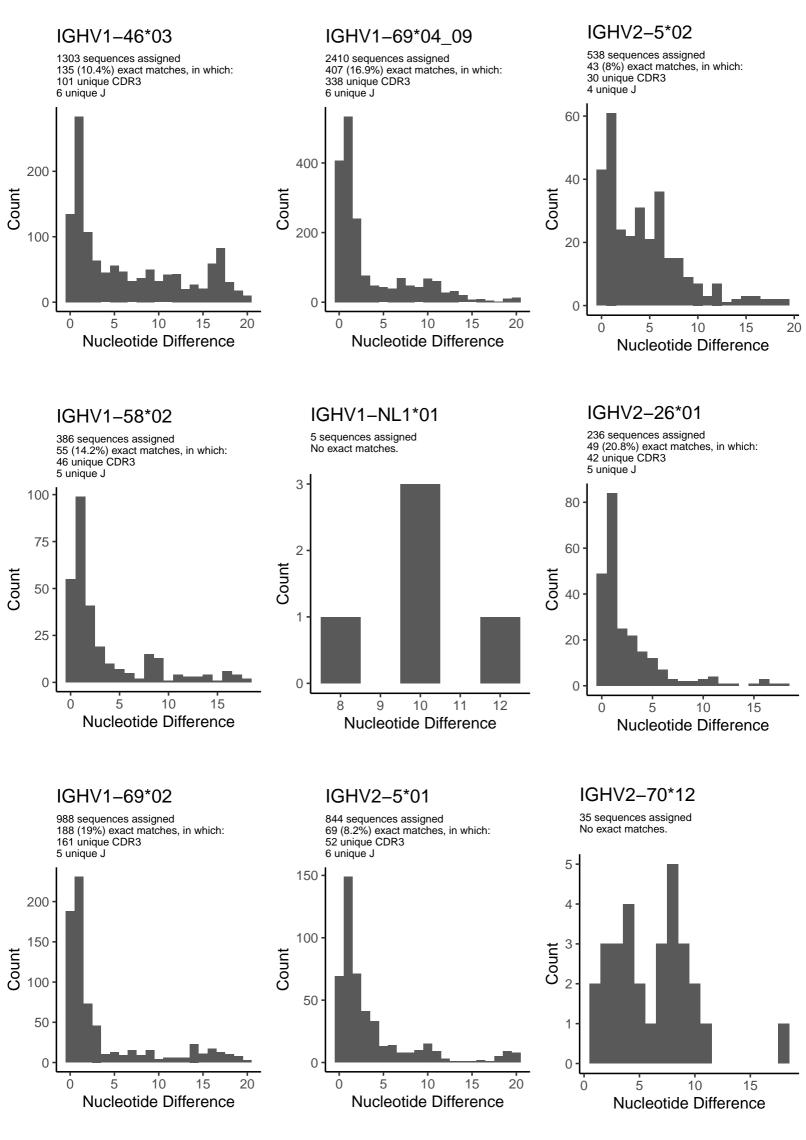


IGHV5-51*07_A128G_C230A- Final 3 nucleotides as a triplet

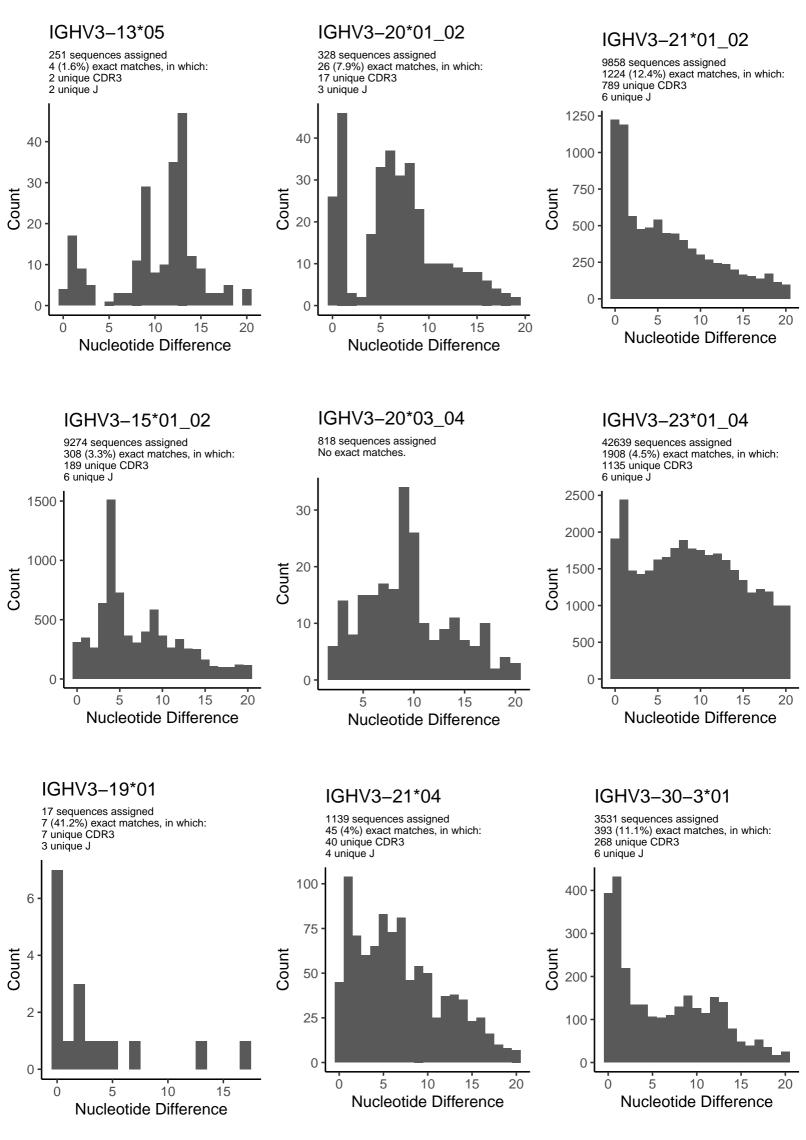
Triplet

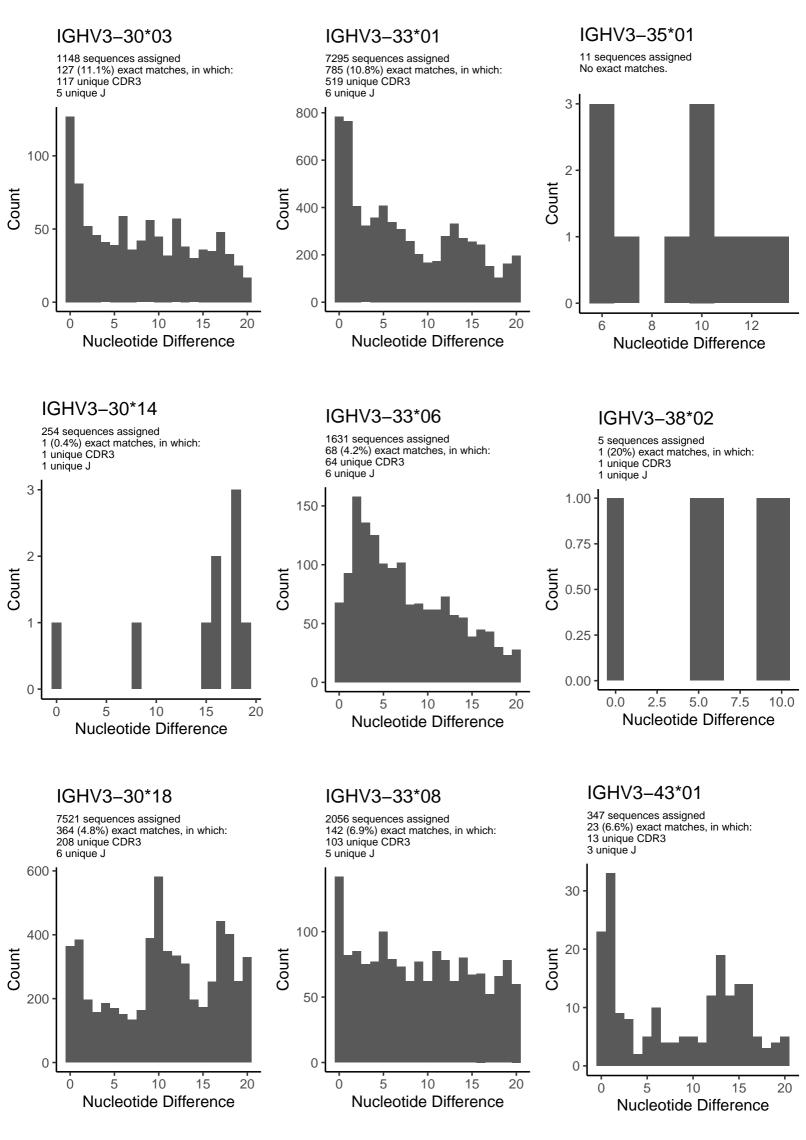
Count

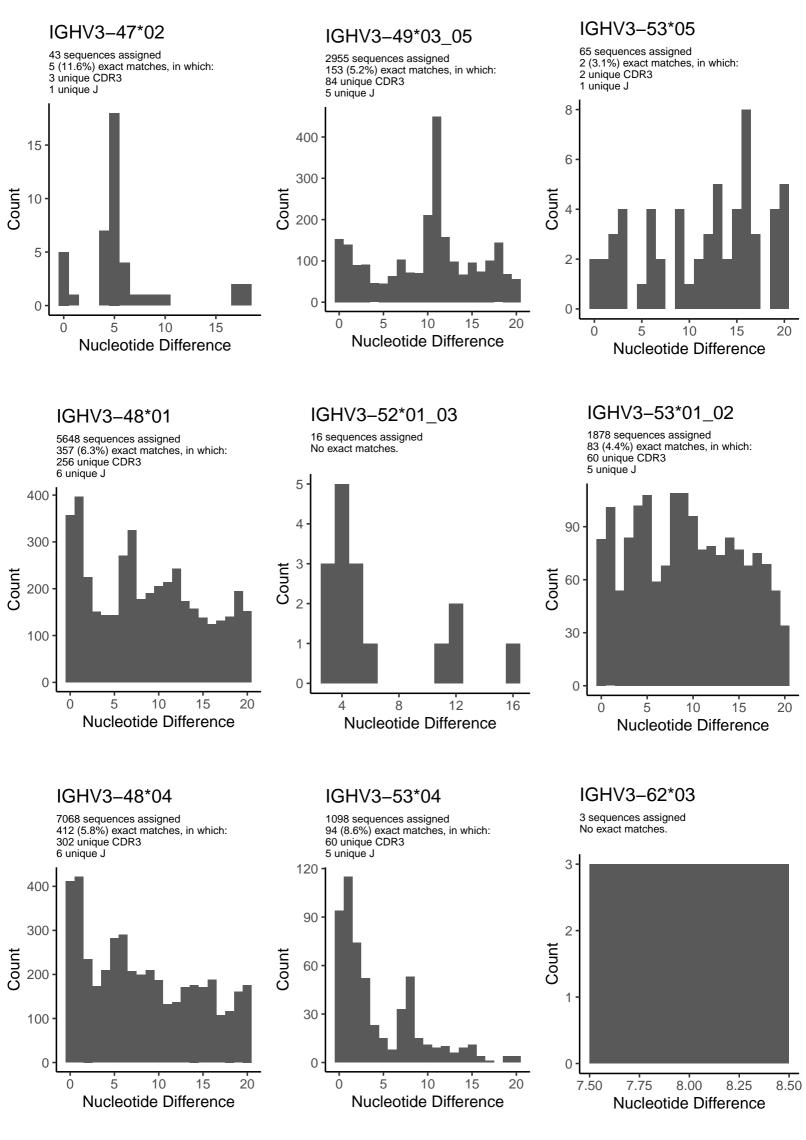


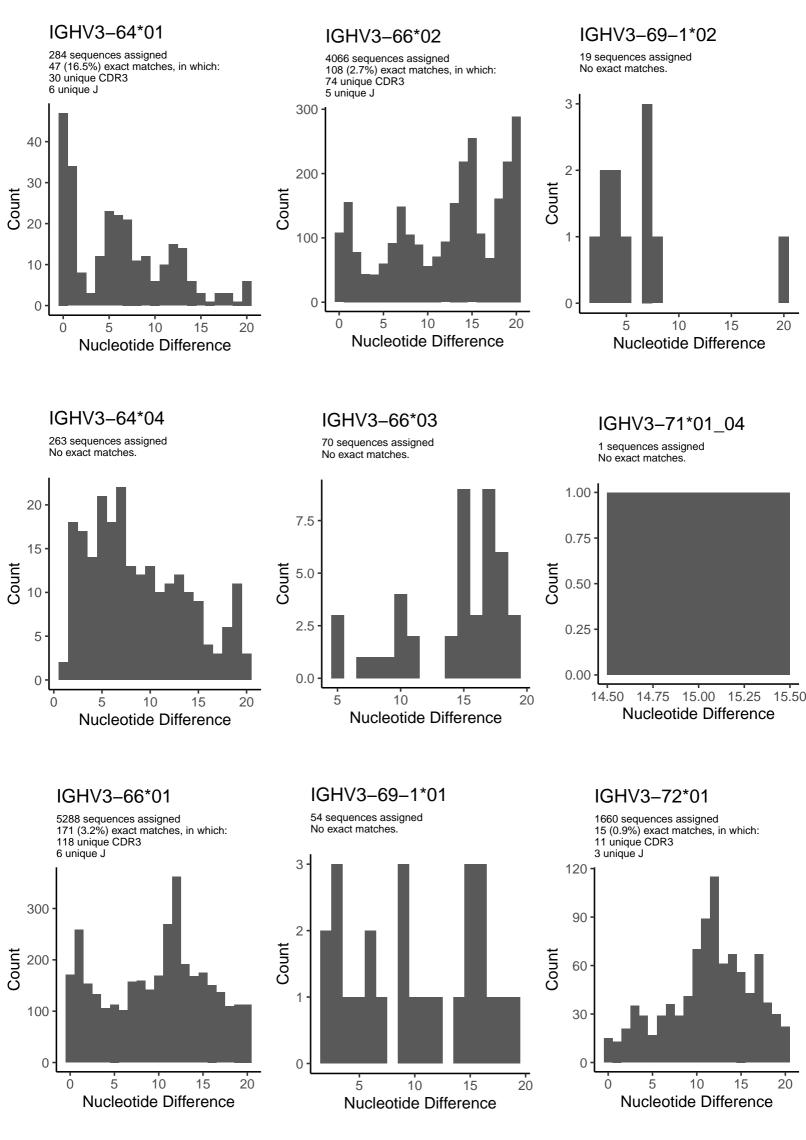


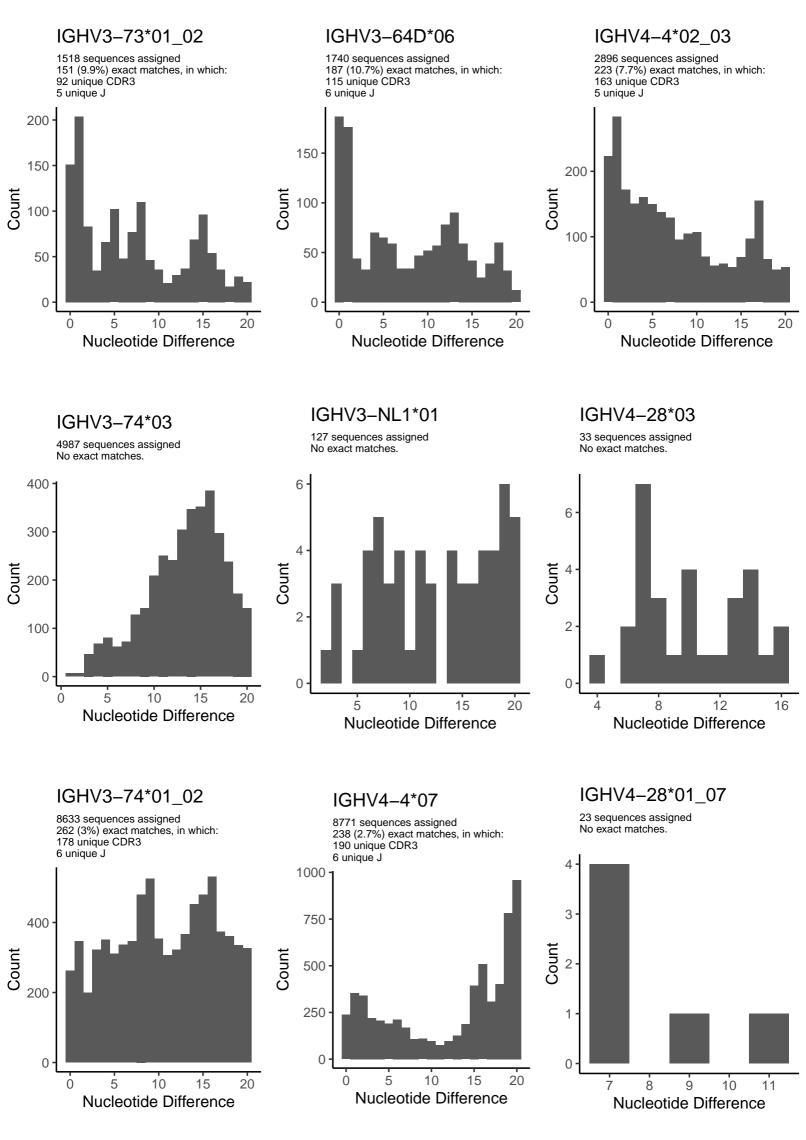
IGHV2-70*11_15 IGHV3-7*03 IGHV3-11*06 776 sequences assigned 48 (6.2%) exact matches, in which: 36 unique CDR3 2313 sequences assigned 4590 sequences assigned 364 (15.7%) exact matches, in which: 256 unique CDR3 305 (6.6%) exact matches, in which: 212 ùniqué CDR3 5 unique J 4 unique J 5 unique J 125 400 100 300 300 75 Count Count 200 200 50 100 100 25 0 0 0 5 10 15 20 5 10 15 20 5 10 15 20 0 0 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-11*03_05 IGHV2-70D*14 IGHV3-7*04 167 sequences assigned 7 (4.2%) exact matches, in which: 7 unique CDR3 15 sequences assigned 4392 sequences assigned 108 (2.5%) exact matches, in which: No exact matches. 68 unique CDR3 4 unique J 5 unique J 5 20 4 200 15 3 Count Count 10 100 5 1 0 0 5 10 15 20 10 0 5 10 15 20 0 5 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference IGHV3-7*01 IGHV3-9*01 IGHV3-13*01 1198 sequences assigned 6 sequences assigned 156 sequences assigned 83 (6.9%) exact matches, in which: 1 (16.7%) exact matches, in which: No exact matches. 74 unique CDR3 unique CDR3 5 unique J 1 unique J 1.00 30 0.75 Count 20 Count 0.50 10 25 0.25 0 0.00 0 16 18 20 5 10 0 5 15 20 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference

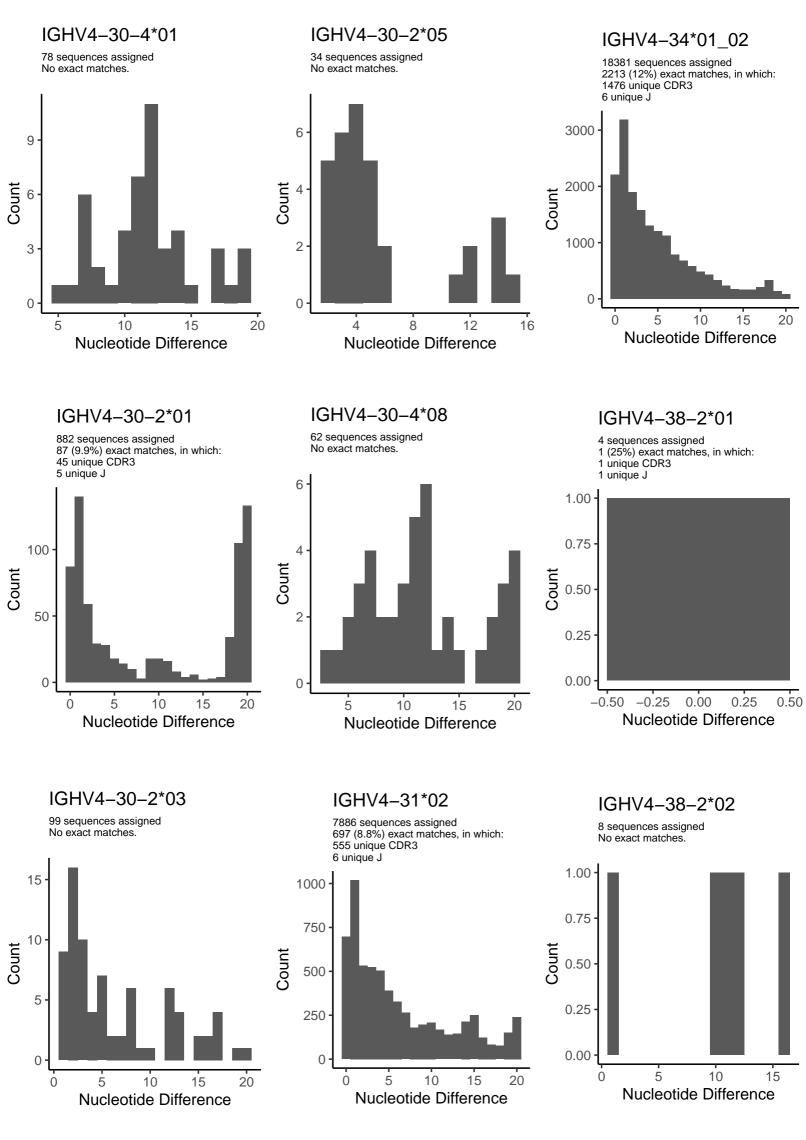


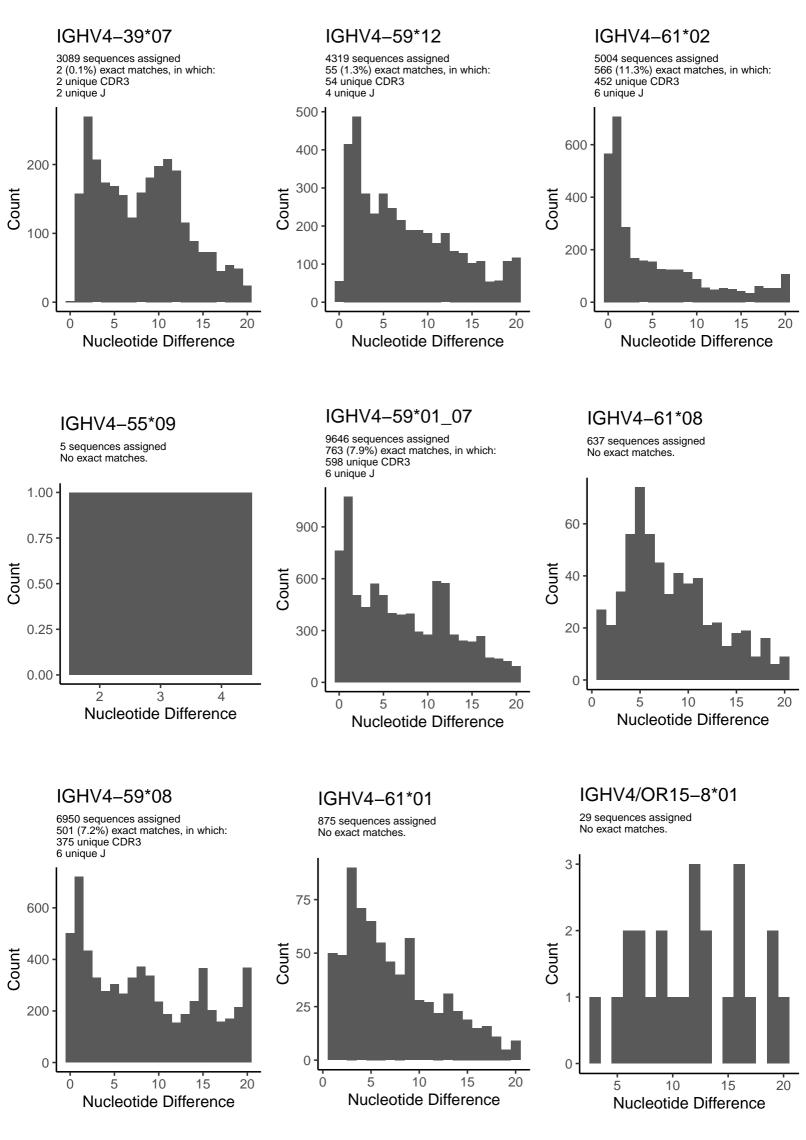


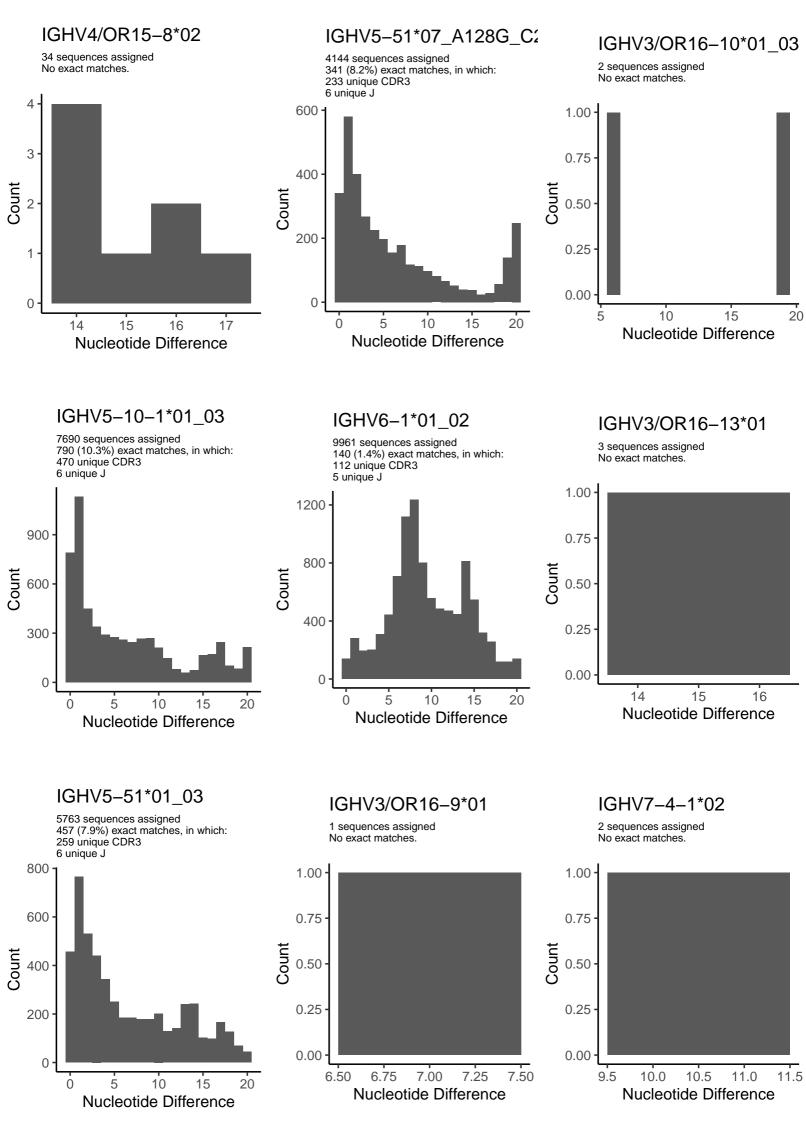












IGHV5-51*07_A128G_C230A

