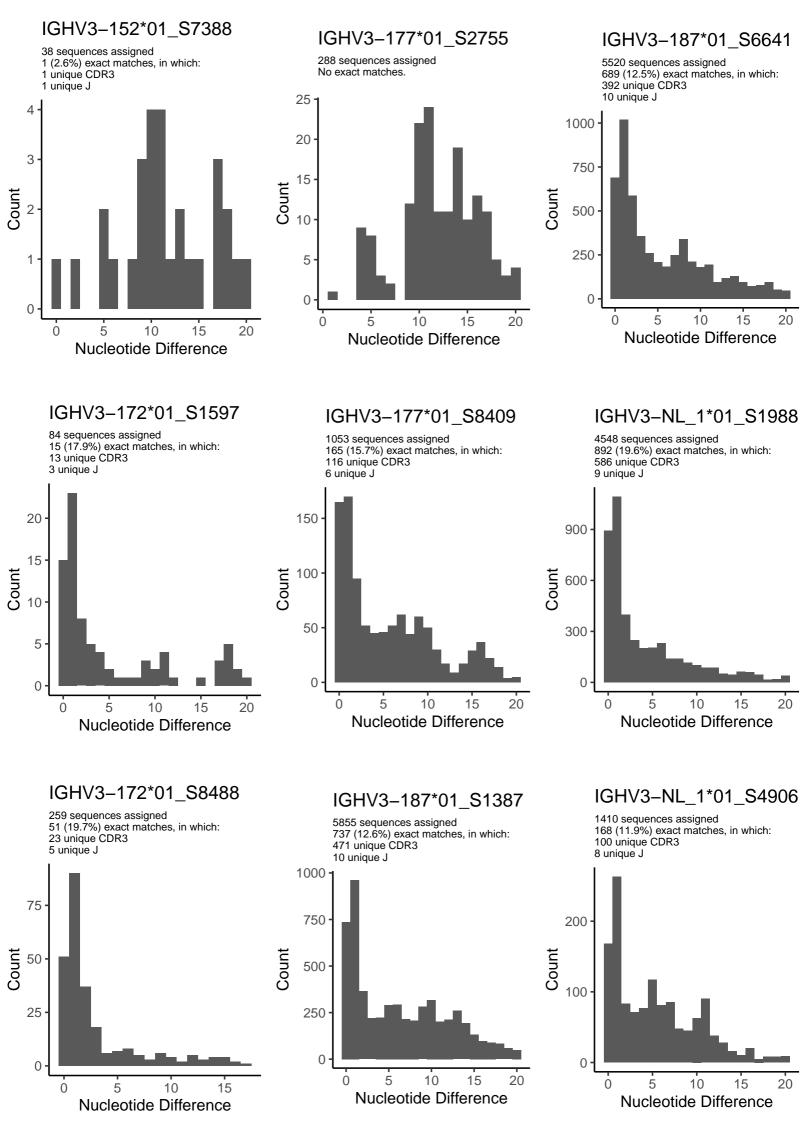
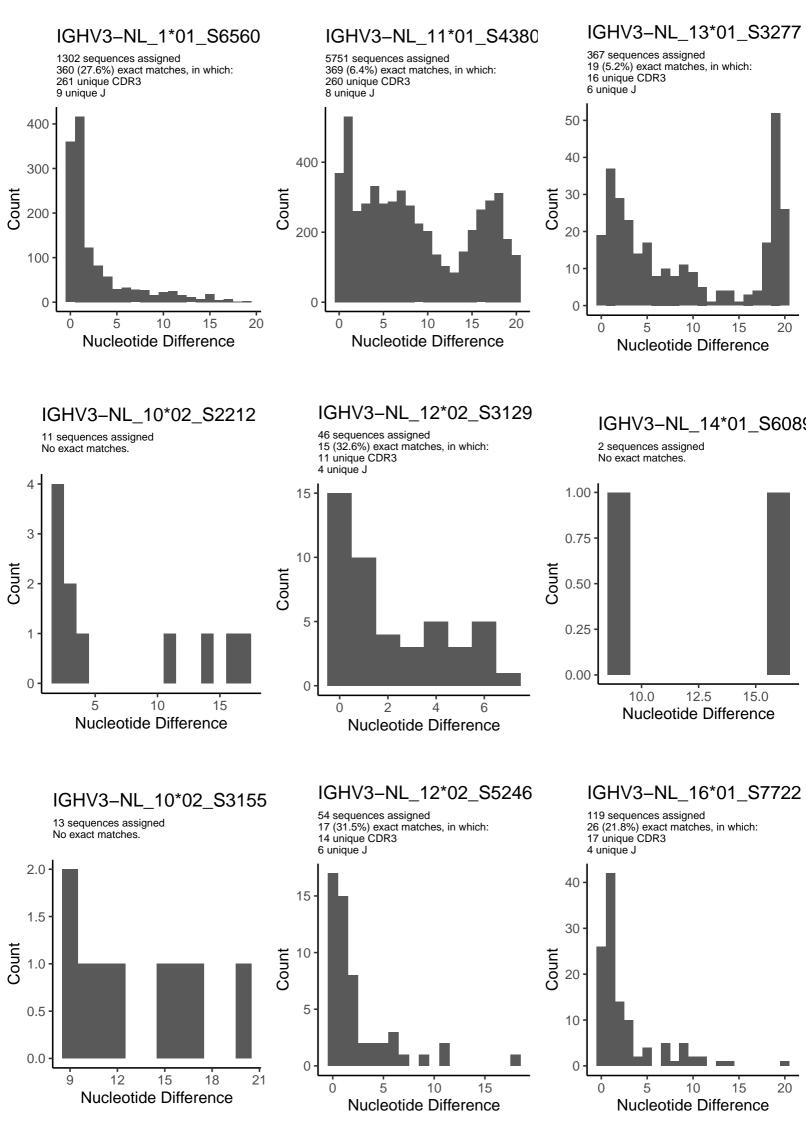
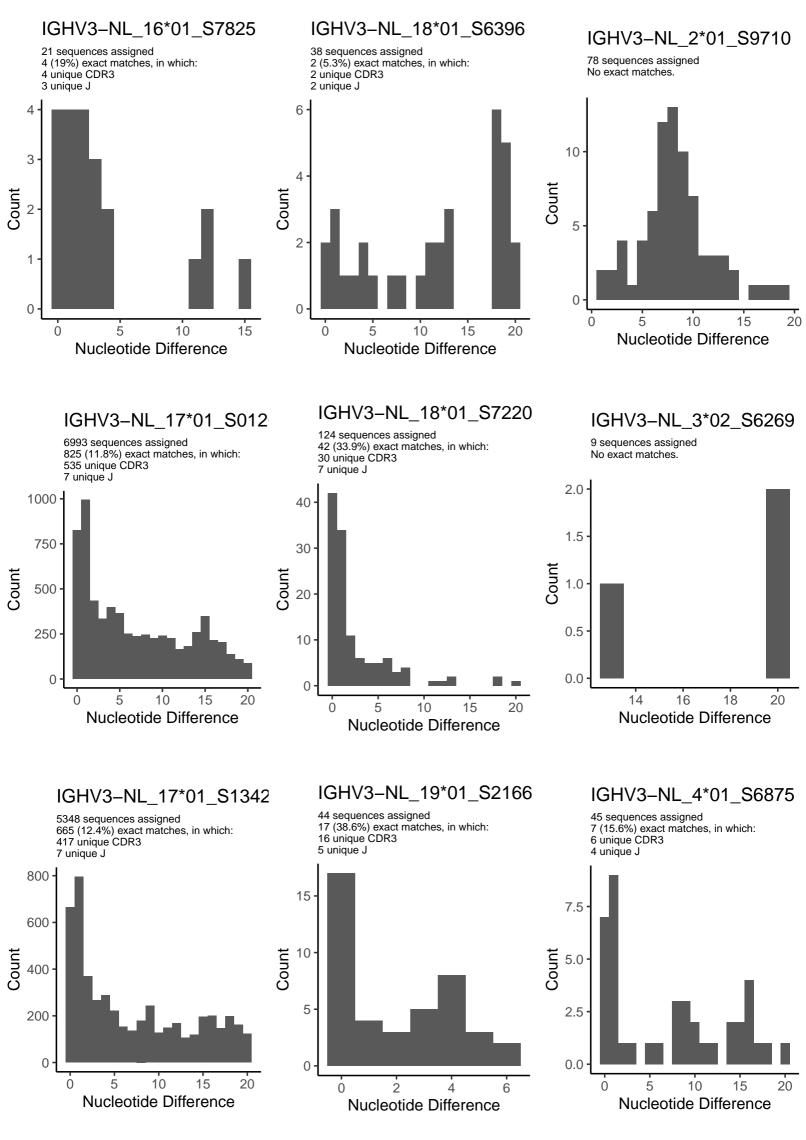
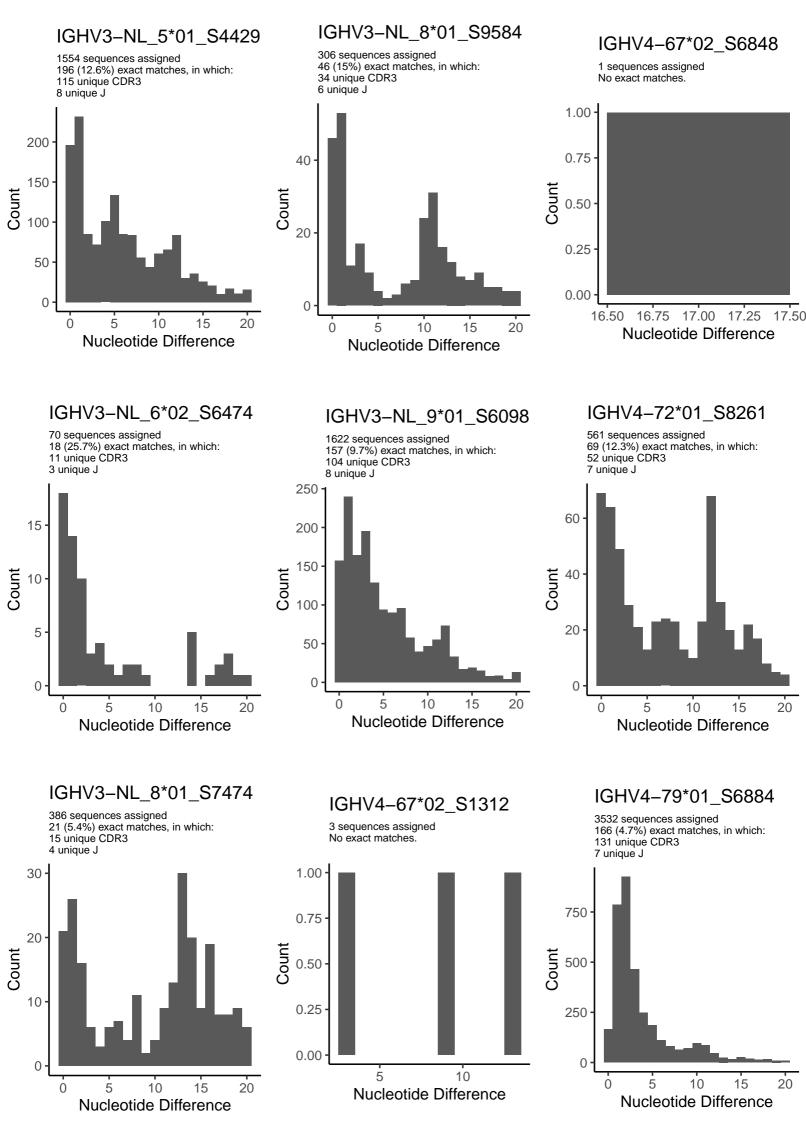


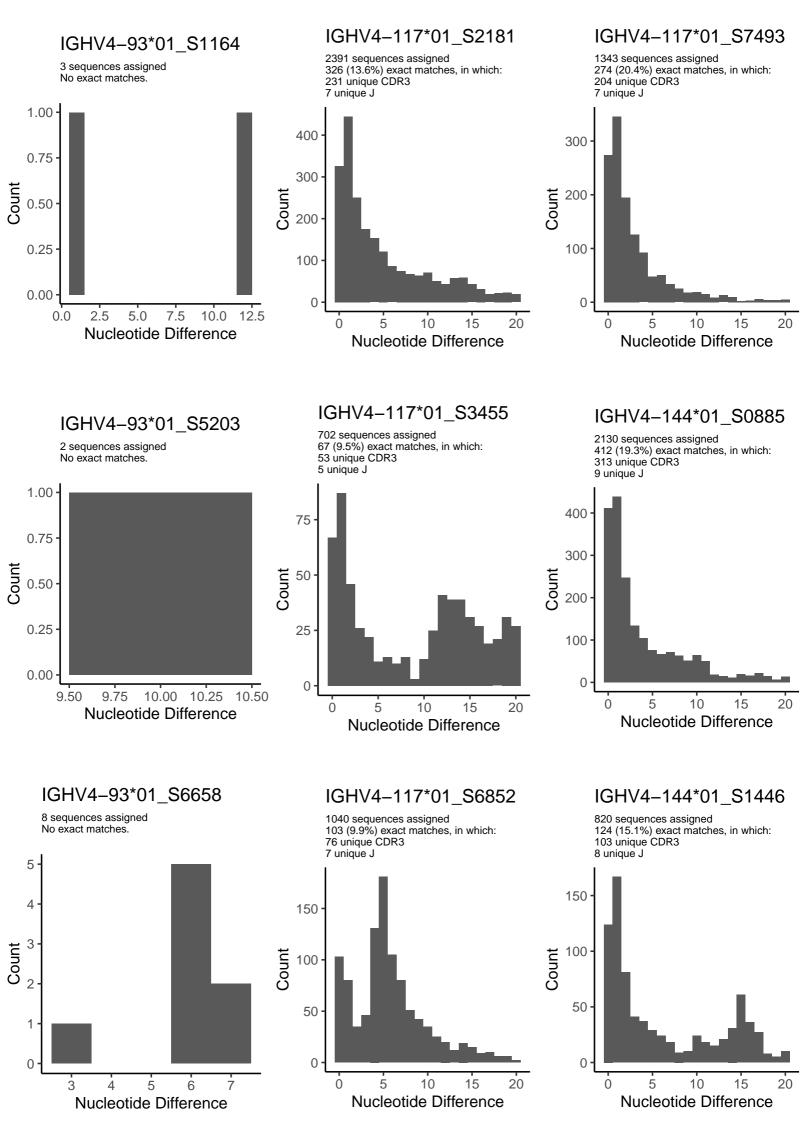
IGHV3-119*01_S5944 IGHV3-122*01_S8388 IGHV3-128*01_S6300 1139 sequences assigned 27 (2.4%) exact matches, in which: 12 unique CDR3 734 sequences assigned 1703 sequences assigned 27 (3.7%) exact matches, in which: 20 unique CDR3 201 (11.8%) exact matches, in which: 146 unique CDR3 3 unique J 8 unique J 5 unique J 150 150 200 100 100 Count Count 100 50 50 0 10 15 20 5 10 15 20 5 10 15 20 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-120*01_S7674 IGHV3-127*01_S6769 IGHV3-141*01_S8690 106 sequences assigned 1238 sequences assigned 14 (1.1%) exact matches, in which: 4750 sequences assigned 314 (6.6%) exact matches, in which: 4 (3.8%) exact matches, in which: 3 unique CDR3 10 unique CDR3 217 unique CDR3 1 unique J 4 unique J 8 unique J 20 300 15 400 200 Count 10 200 100 5 0 0 20 15 20 0 5 10 15 0 5 10 10 0 15 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-122*01_S0584 IGHV3-128*01_S3124 IGHV3-143*01_S1591 1181 sequences assigned 1830 sequences assigned 6 sequences assigned 116 (9.8%) exact matches, in which: 67 (3.7%) exact matches, in which: No exact matches. 71 unique CDR3 50 unique CDR3 6 unique J 7 unique J 2.0 200 150 1.5 150 1.0 100 50 0.5 50 0.0 0 0 7.5 10.0 12.5 10 20 5 10 15 20 15 Nucleotide Difference **Nucleotide Difference Nucleotide Difference**

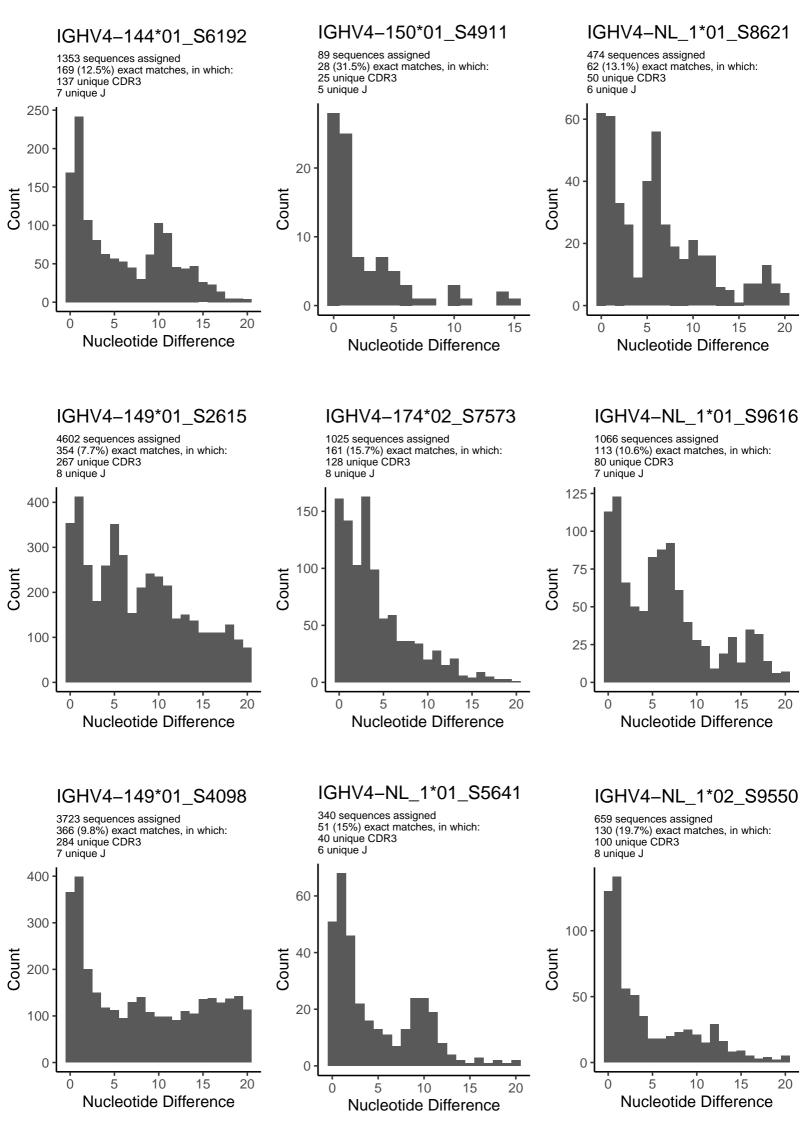


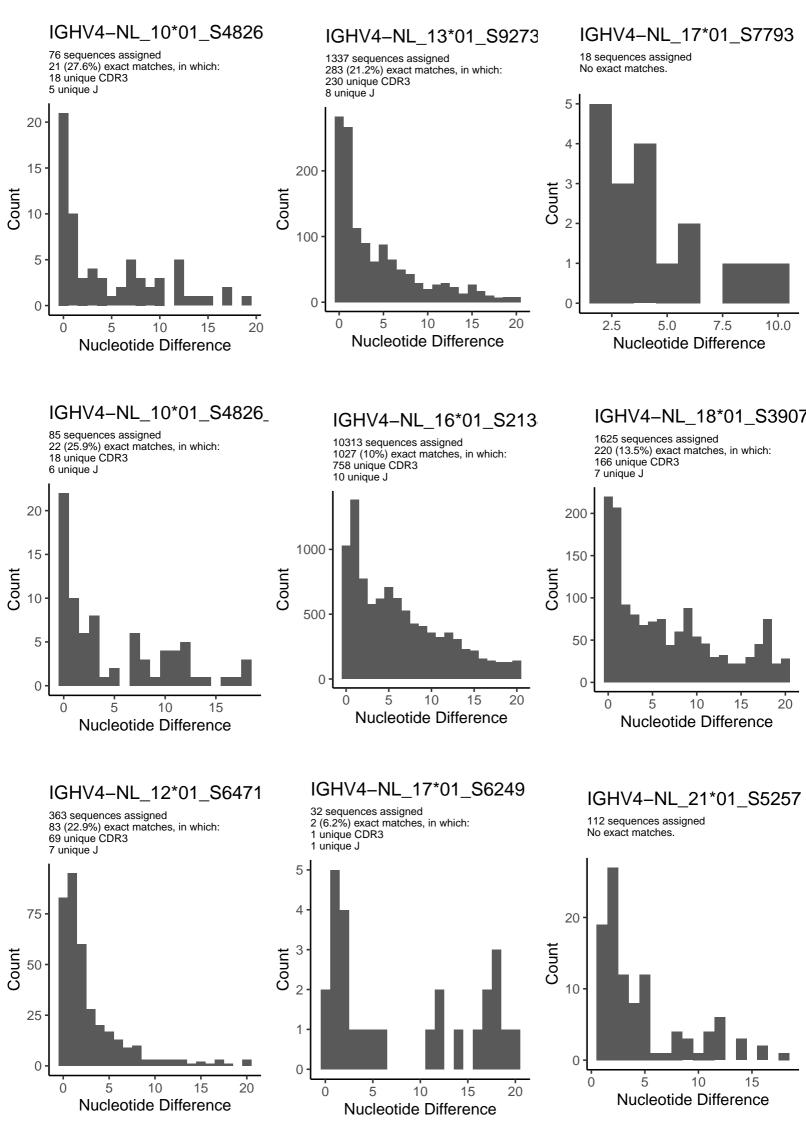


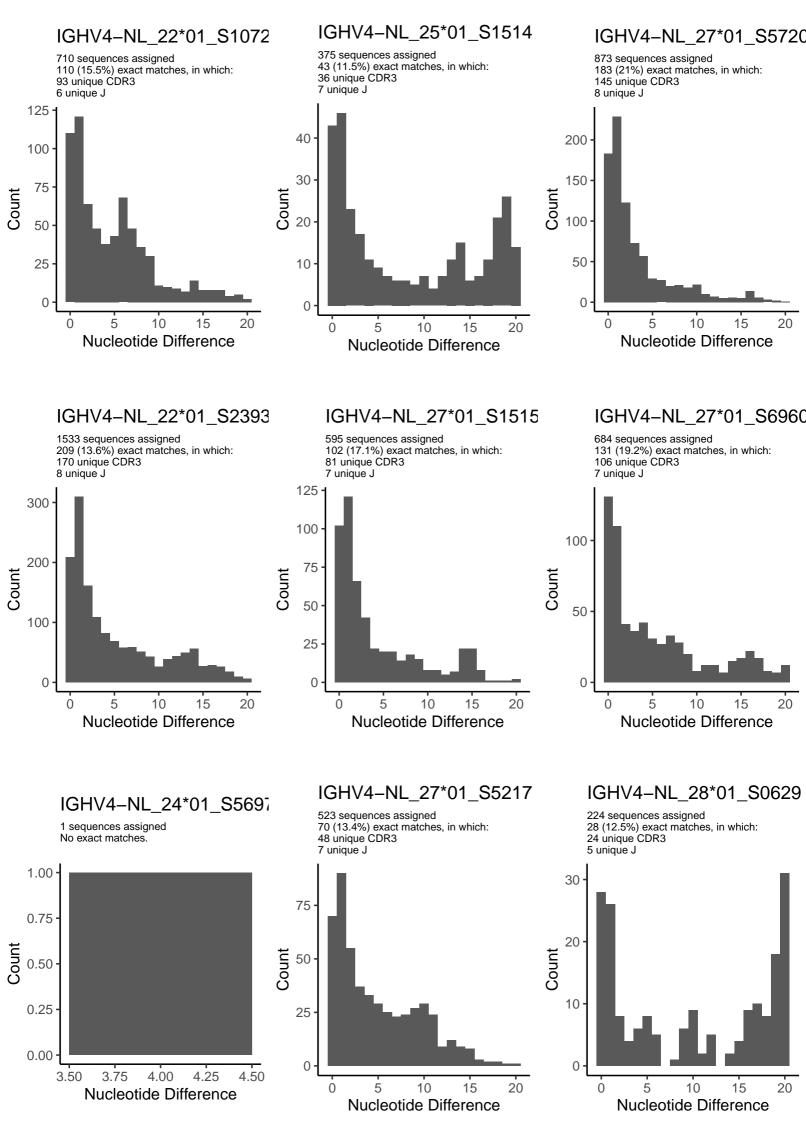


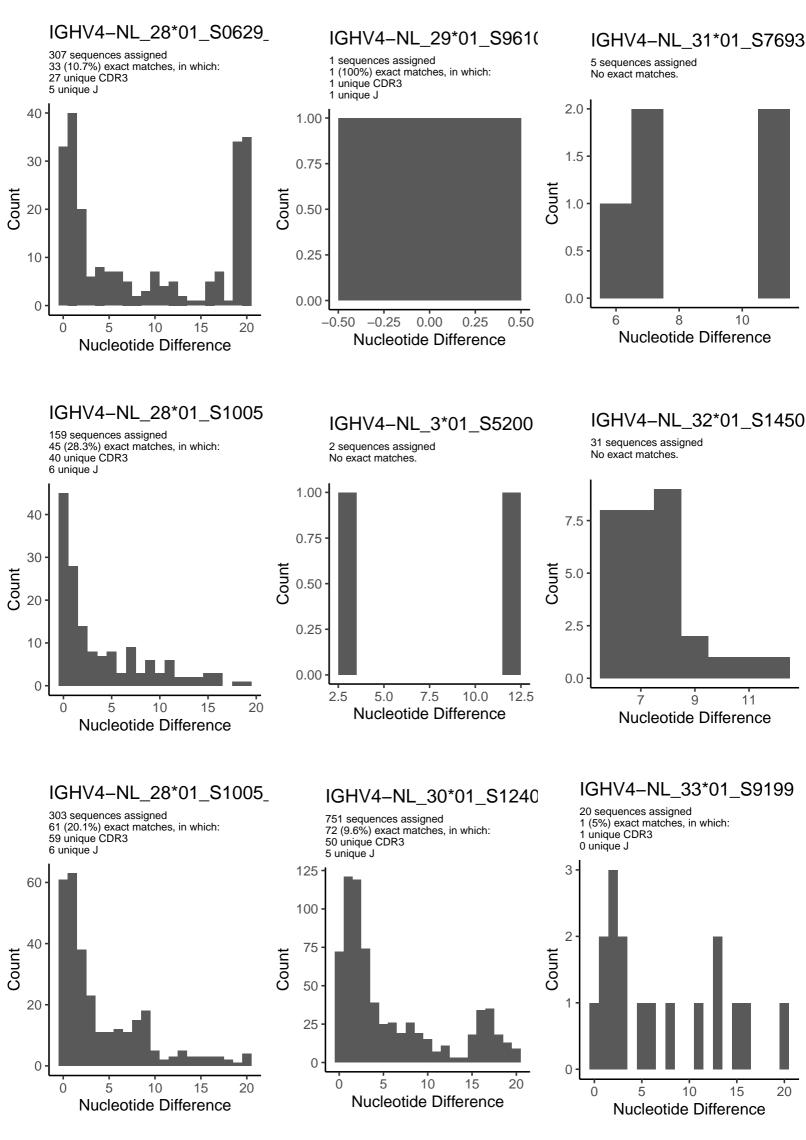


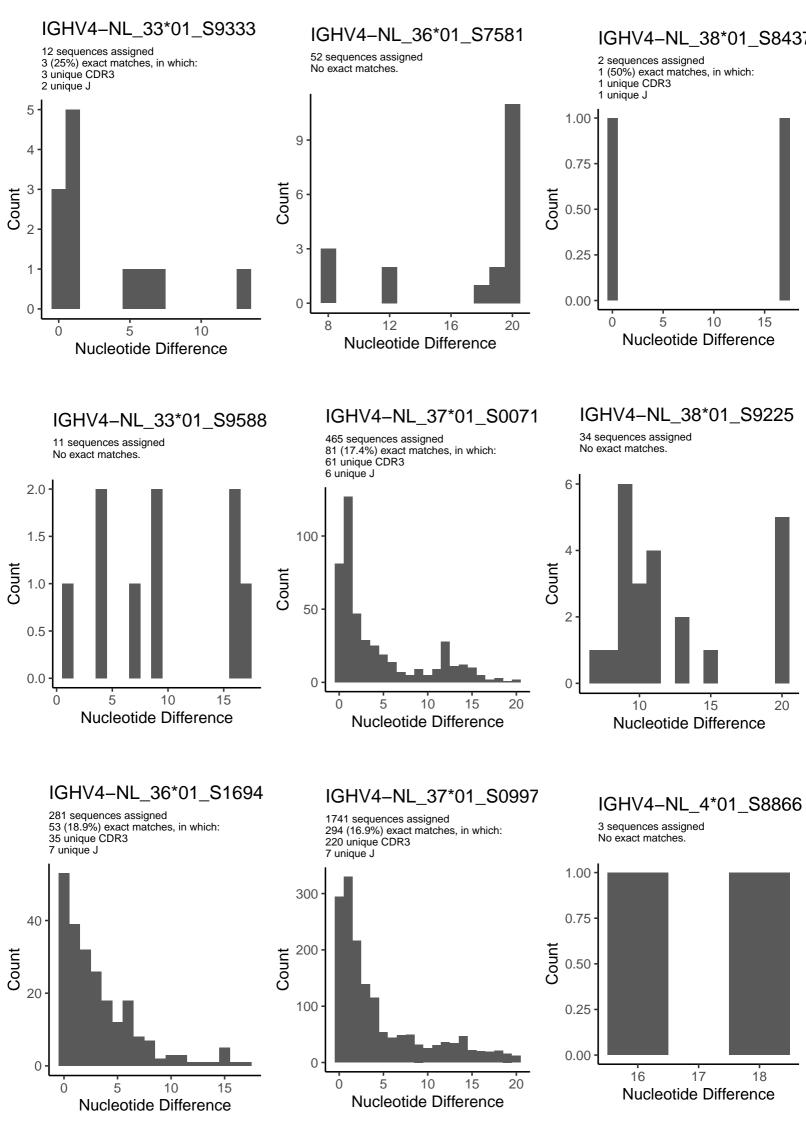


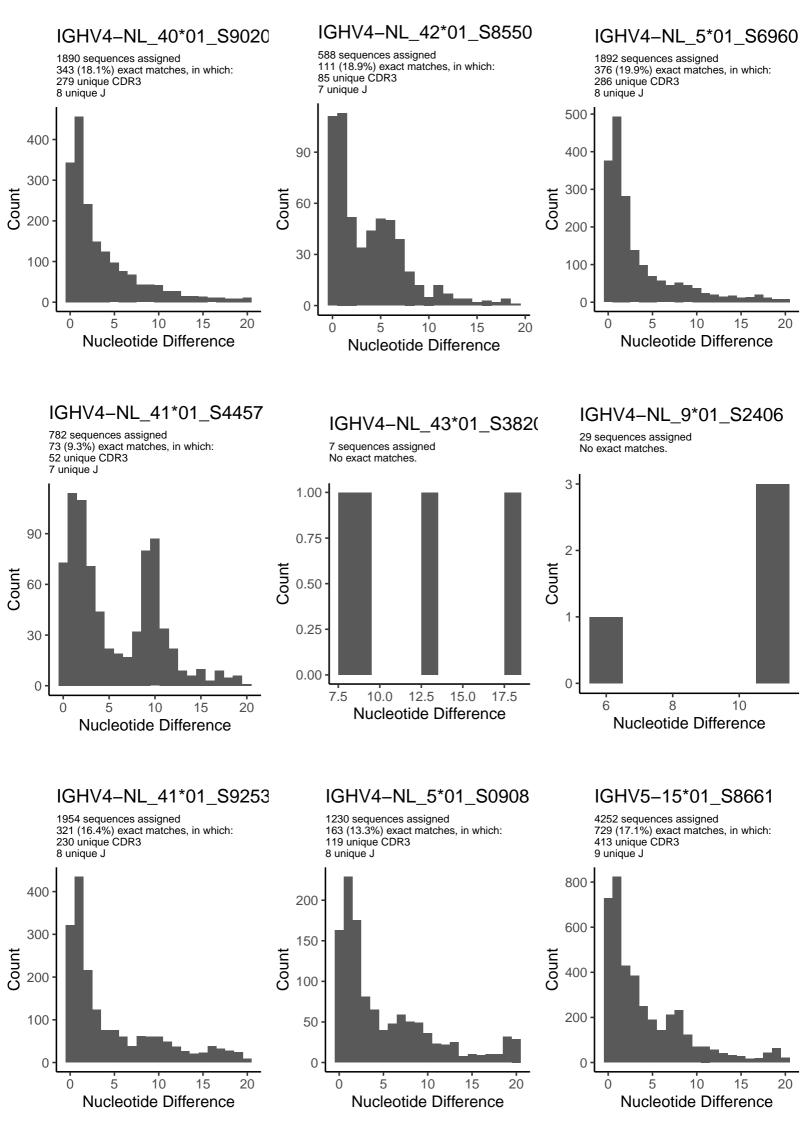


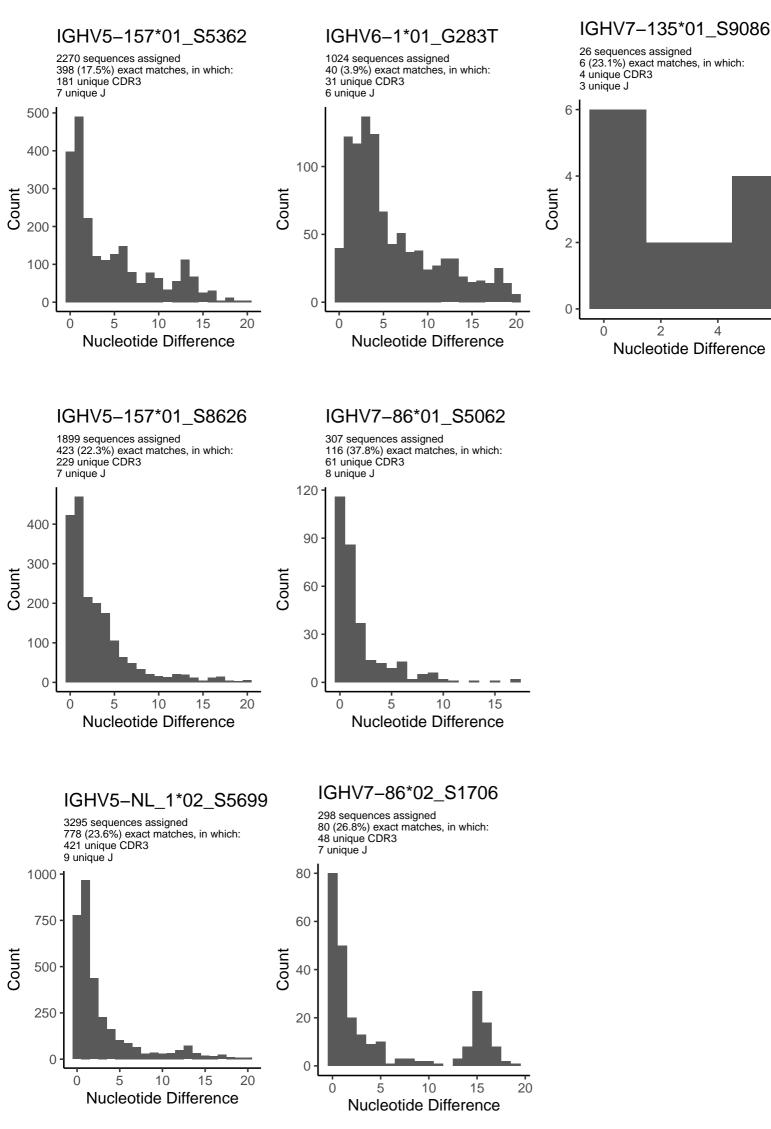












Nucleotide Difference

