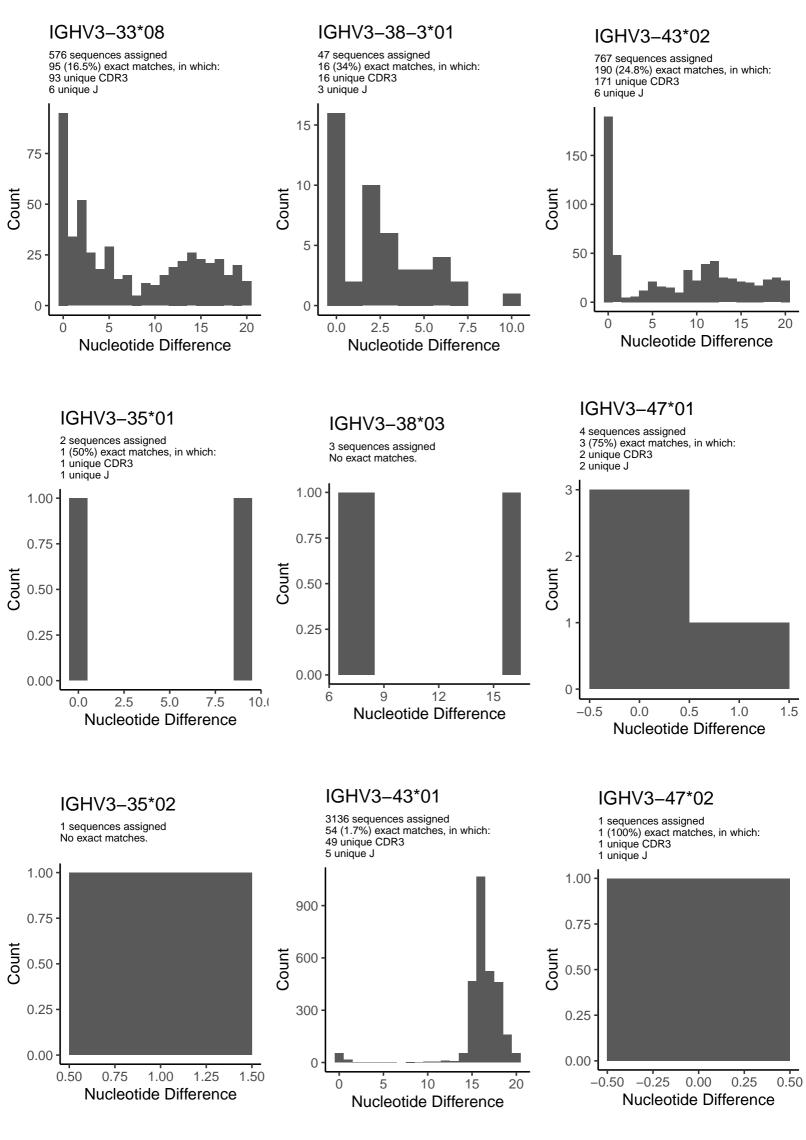
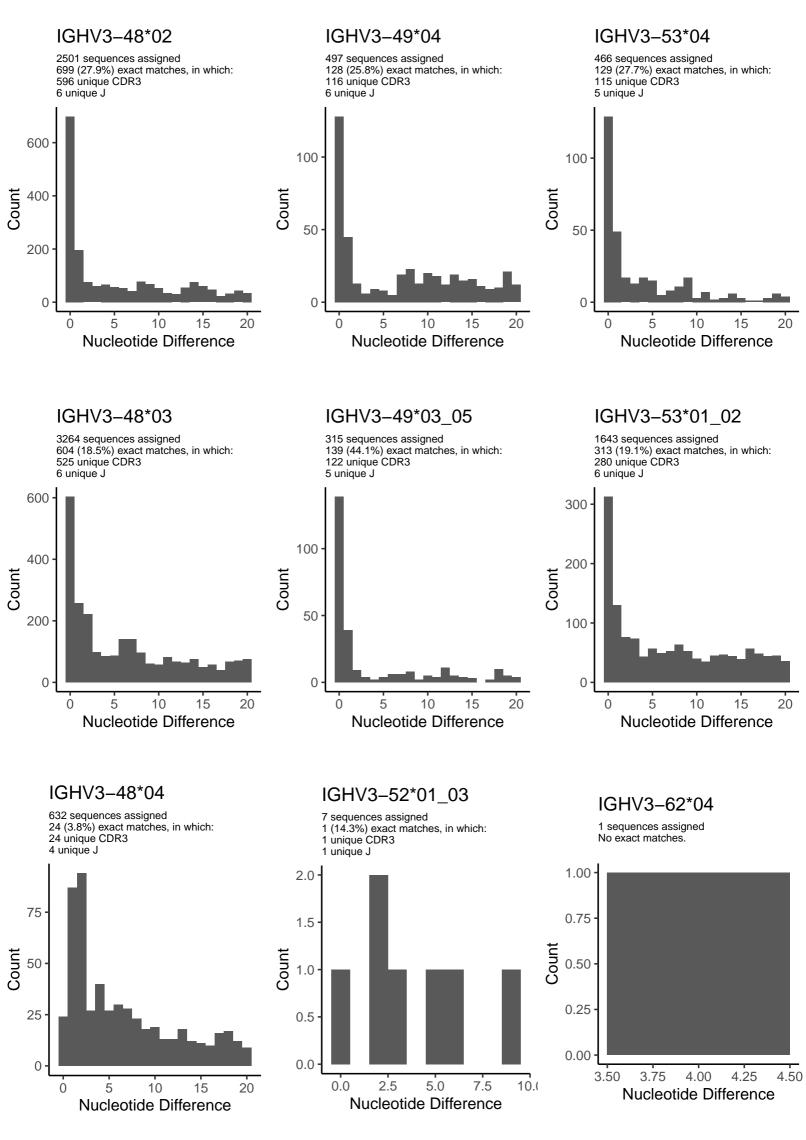
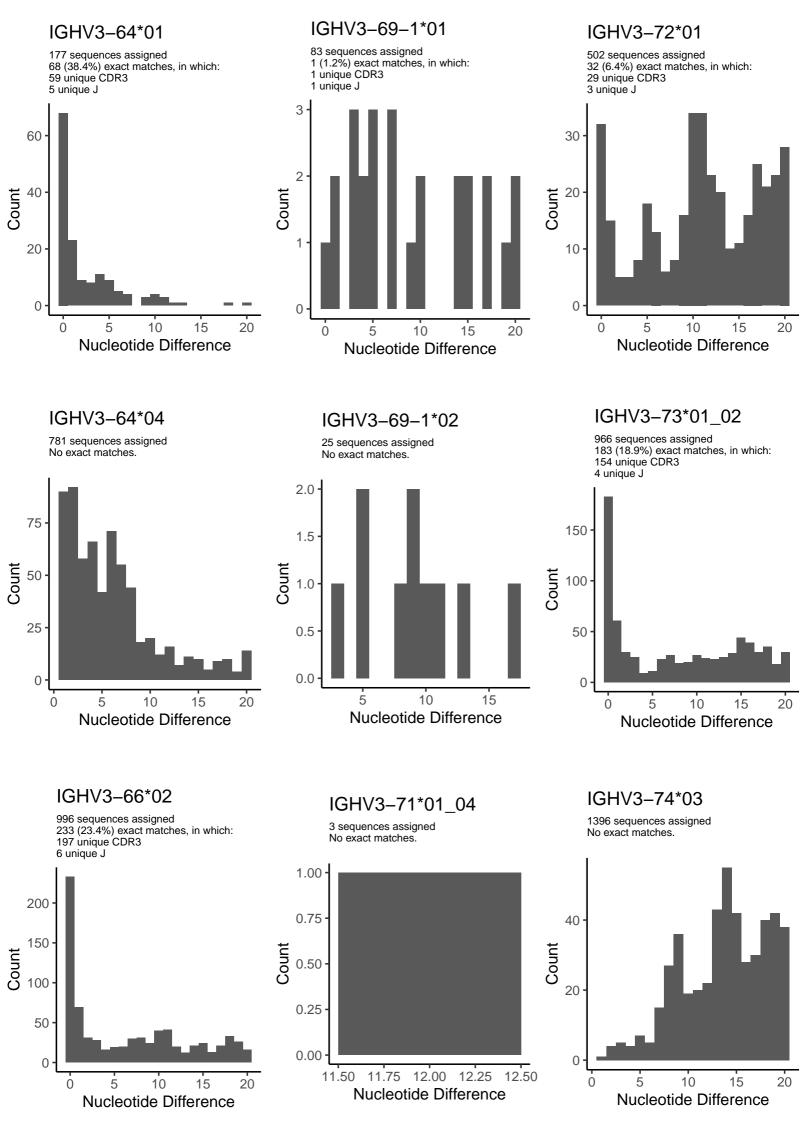
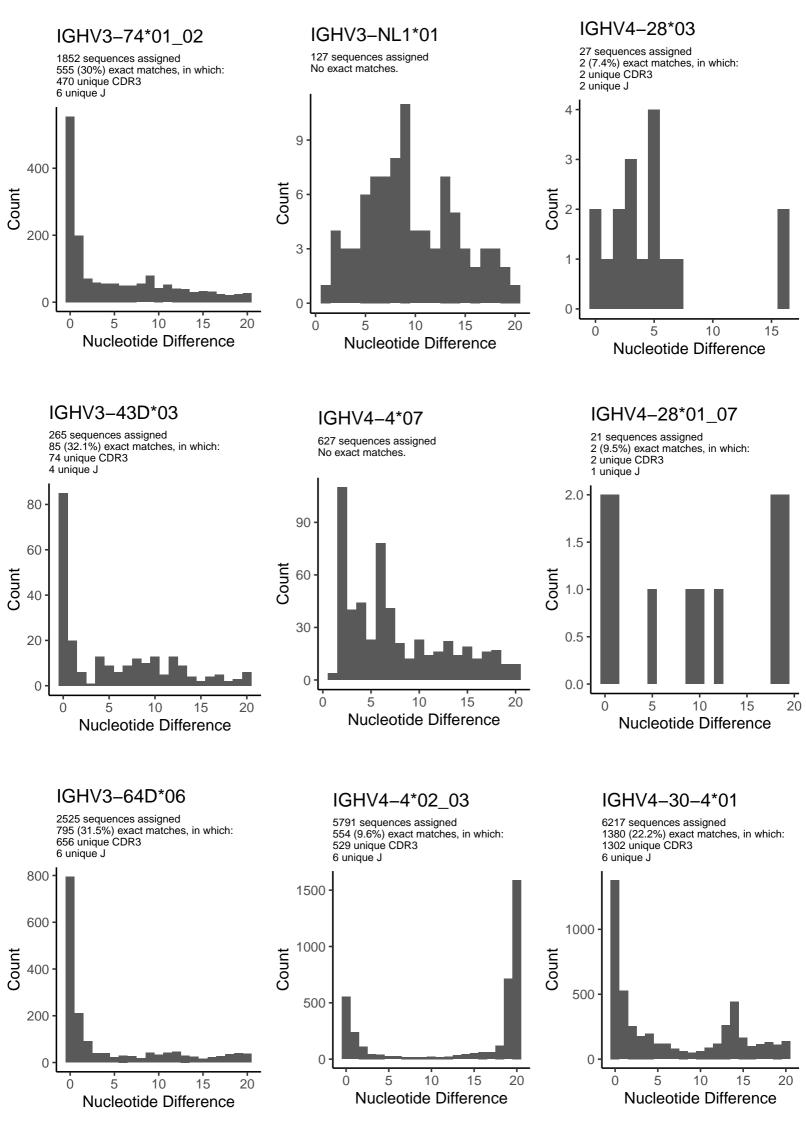


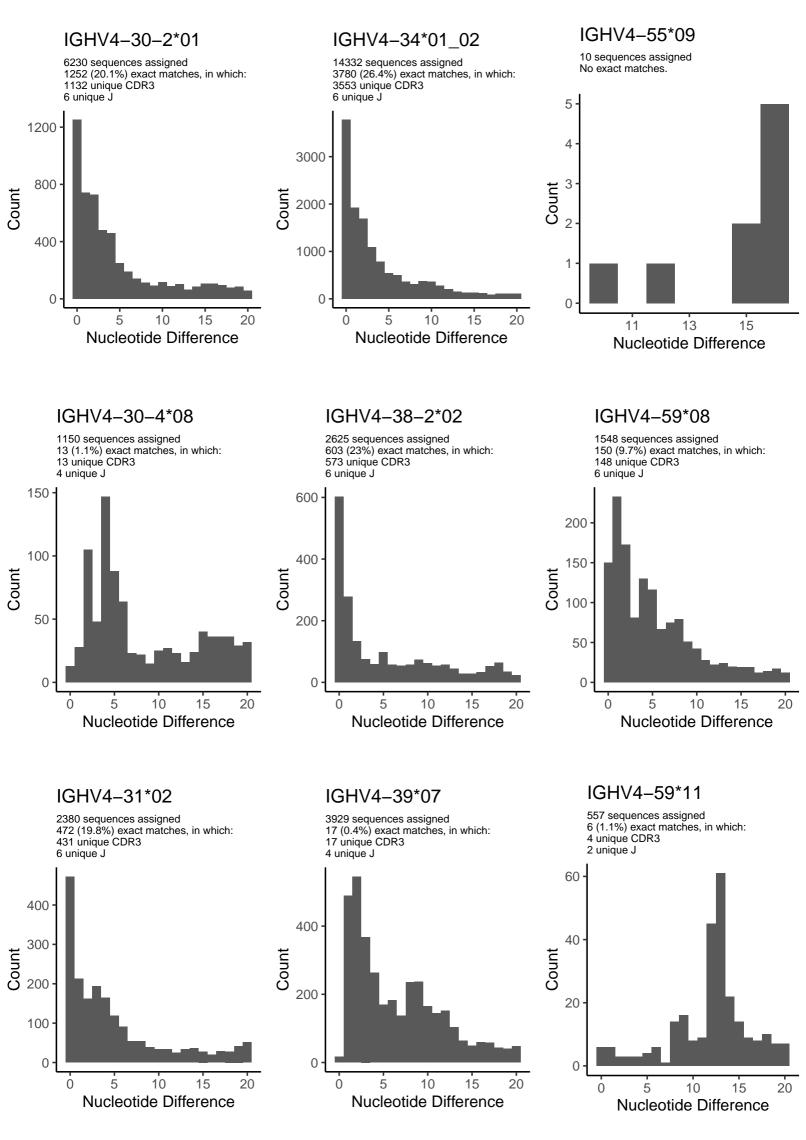
IGHV3-20*01_02 IGHV3-21*01_02 IGHV3-30*03 203 sequences assigned 83 (40.9%) exact matches, in which: 9523 sequences assigned 2891 (30.4%) exact matches, in which: 3910 sequences assigned 1329 (34%) exact matches, in which: 73 unique CDR3 2470 unique CDR3 1283 unique CDR3 5 unique J 6 unique J 6 unique J 3000 80 1000 60 2000 Count Count 40 500 1000 20 0 0 0 0 10 15 20 5 10 10 0 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-33*01 IGHV3-20*03_04 IGHV3-23*01_04 1145 sequences assigned 329 sequences assigned 12612 sequences assigned 3024 (24%) exact matches, in which: 361 (31.5%) exact matches, in which: No exact matches. 333 unique CDR3 2550 unique CDR3 6 unique J 6 unique J 3000 20 300 15 2000 Count Count Count 200 10 1000 100 5 0 0 0 0 10 20 5 15 20 0 10 10 15 20 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-33*05 IGHV3-21*04 IGHV3-30-3*01 227 sequences assigned 1762 sequences assigned 20155 sequences assigned 7545 (37.4%) exact matches, in which: 17 (7.5%) exact matches, in which: 325 (18.4%) exact matches, in which: 17 unique CDR3 321 unique CDR3 6503 unique CDR3 3 unique J 6 unique J 6 unique J 300 6000 20 200 Count 4000 10 100 2000 0 0 0 10 15 20 20 10 15 0 5 10 15 20 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference

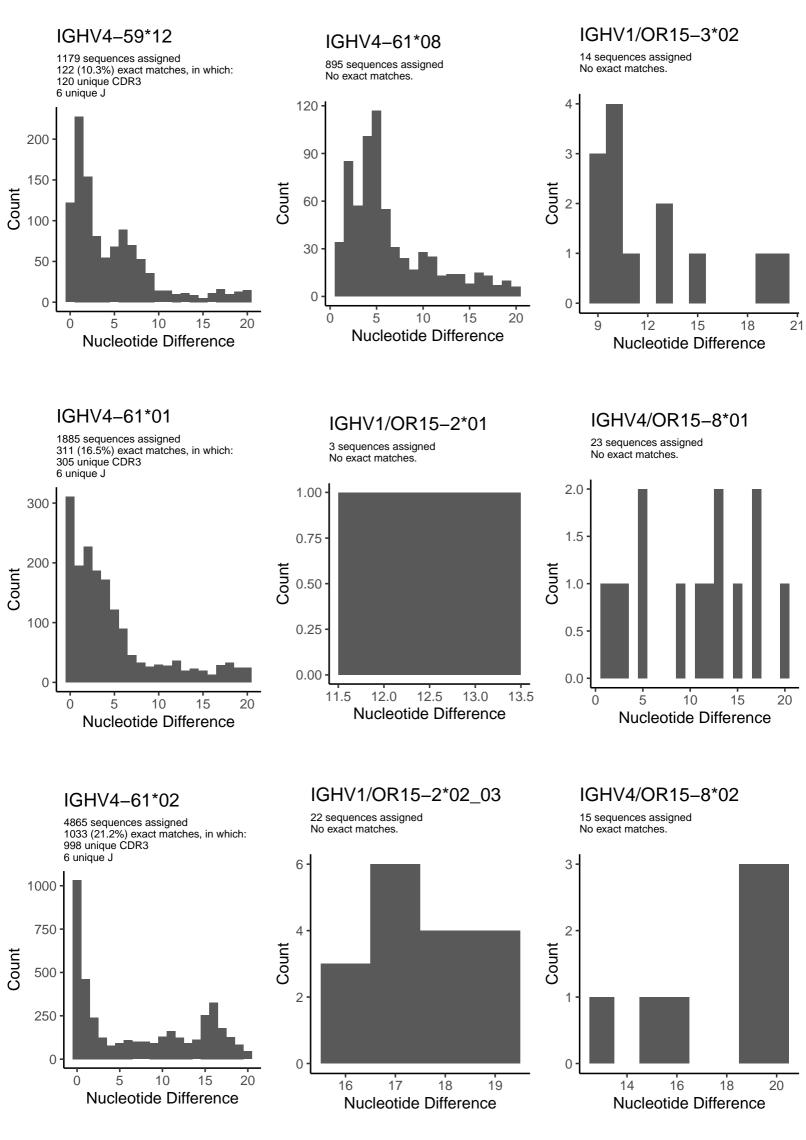


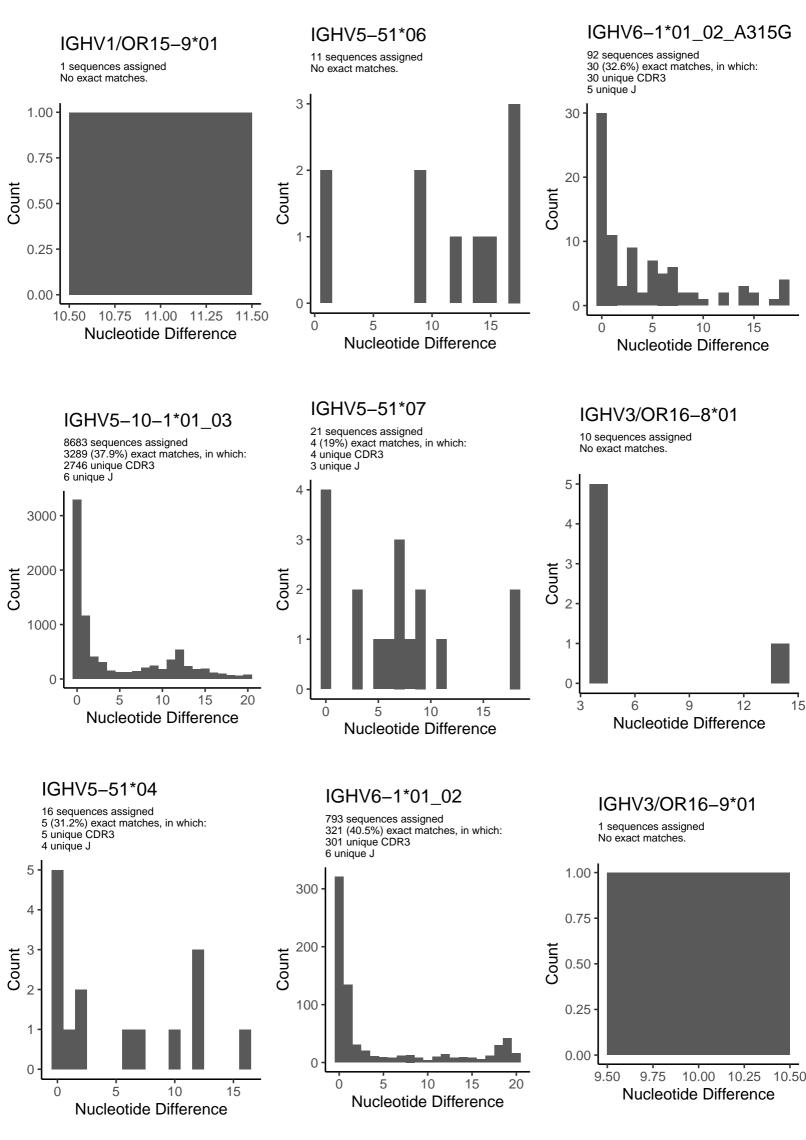


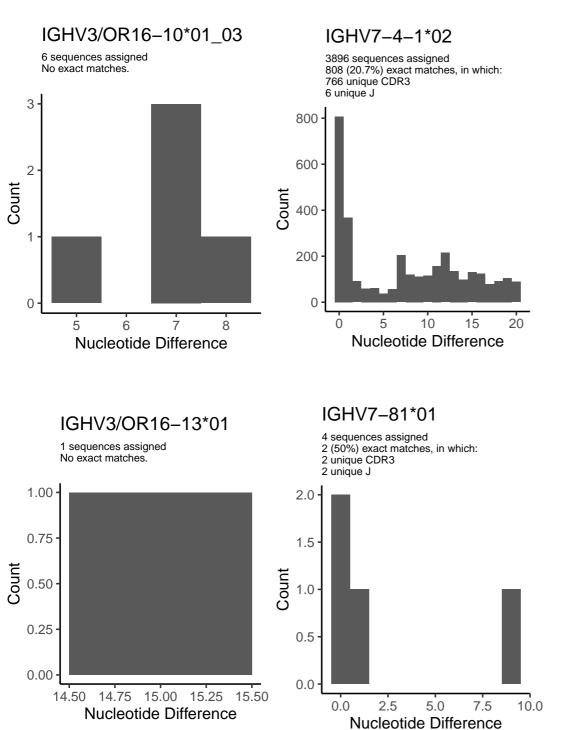












IGHV3/OR16-17*01

1 sequences assigned No exact matches.

