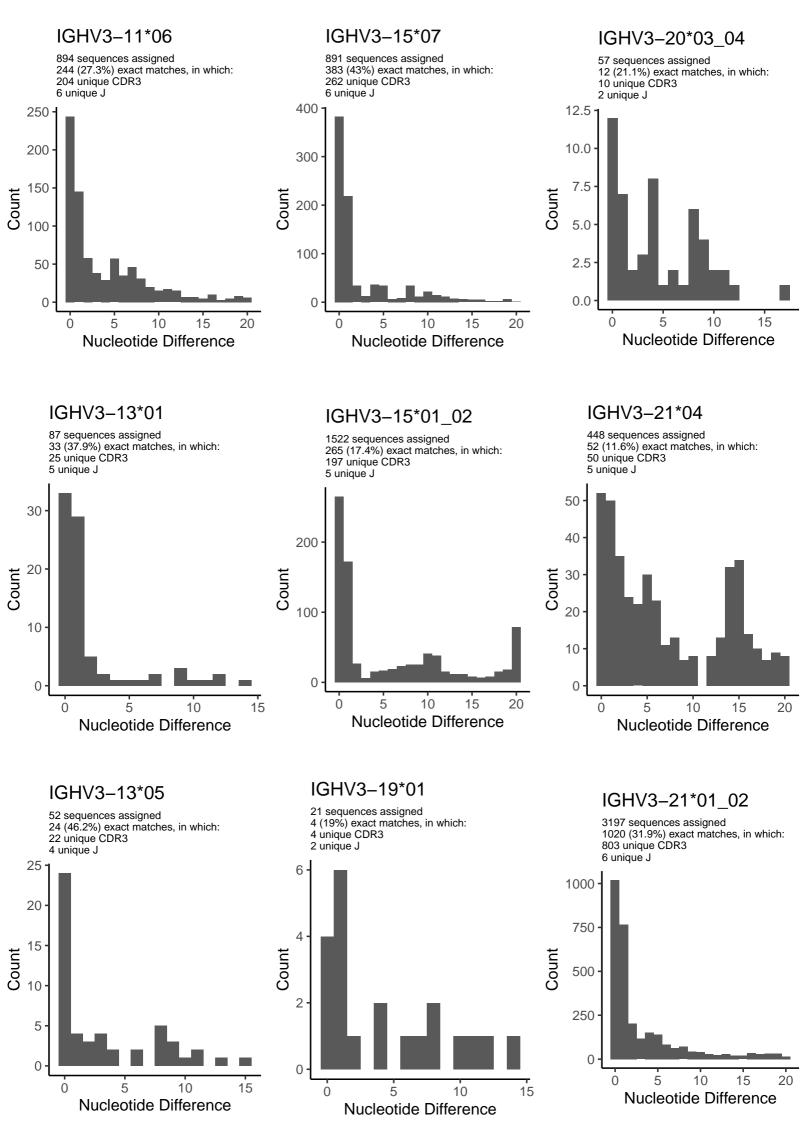
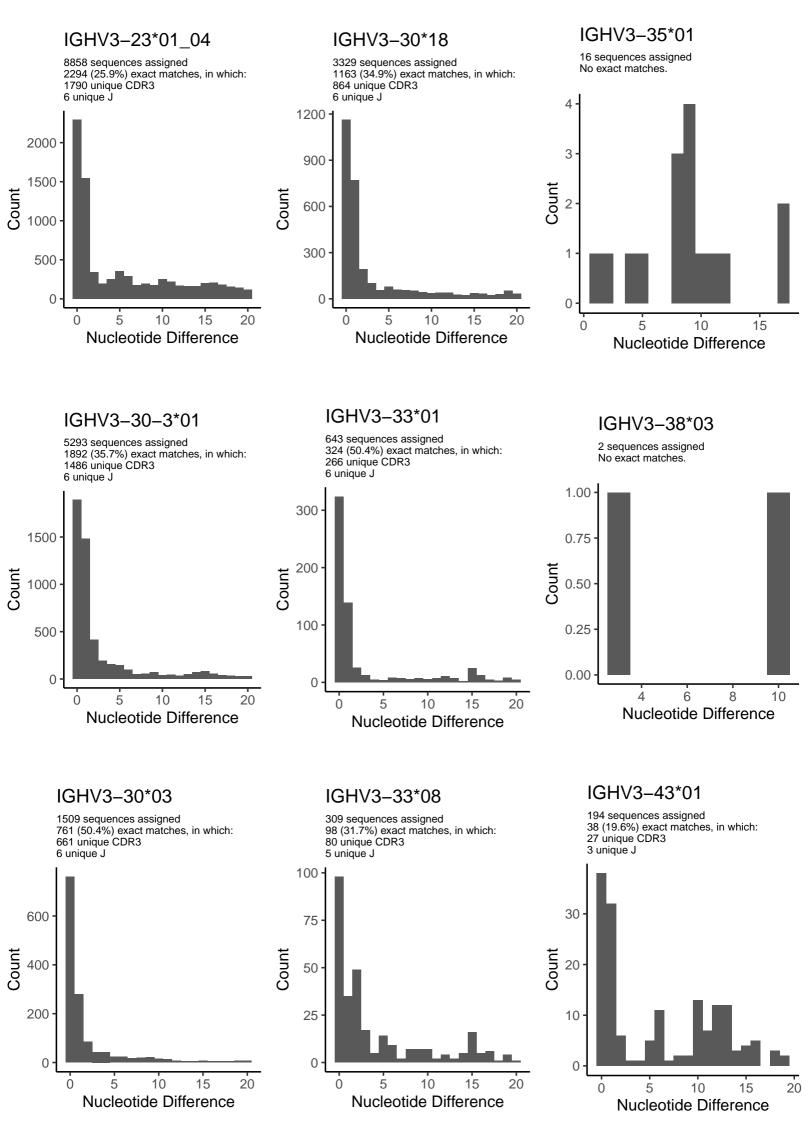
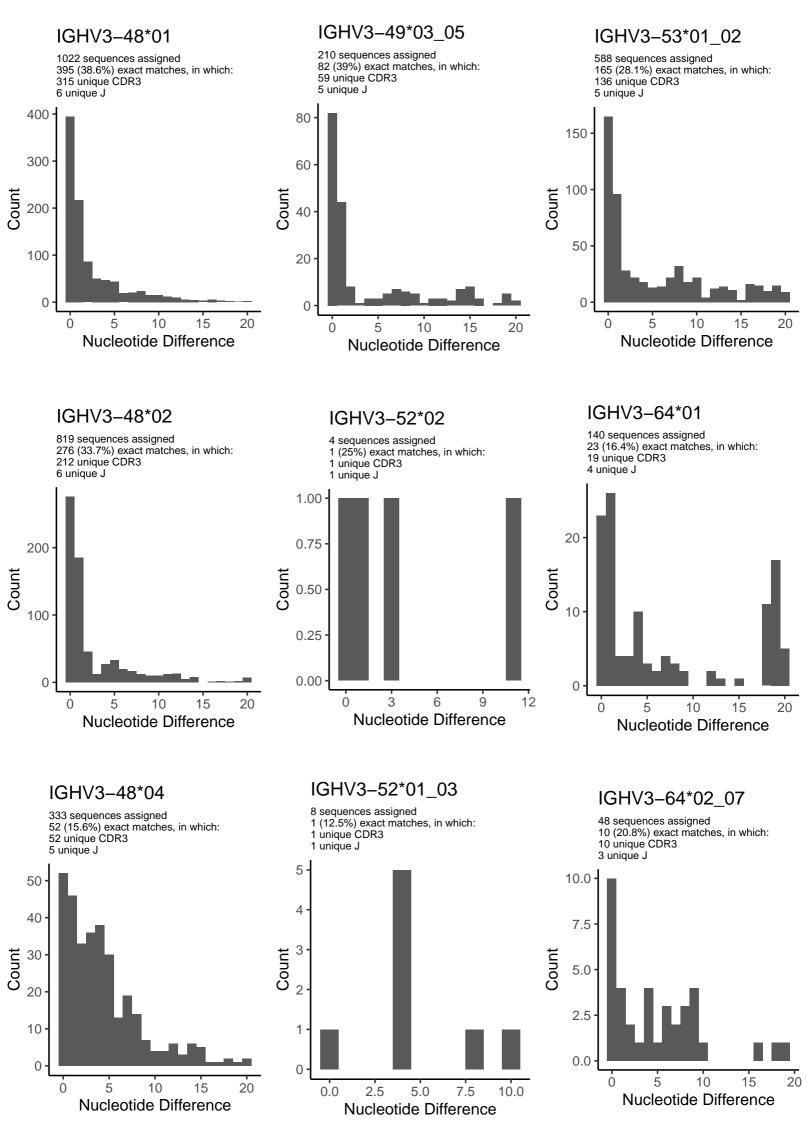
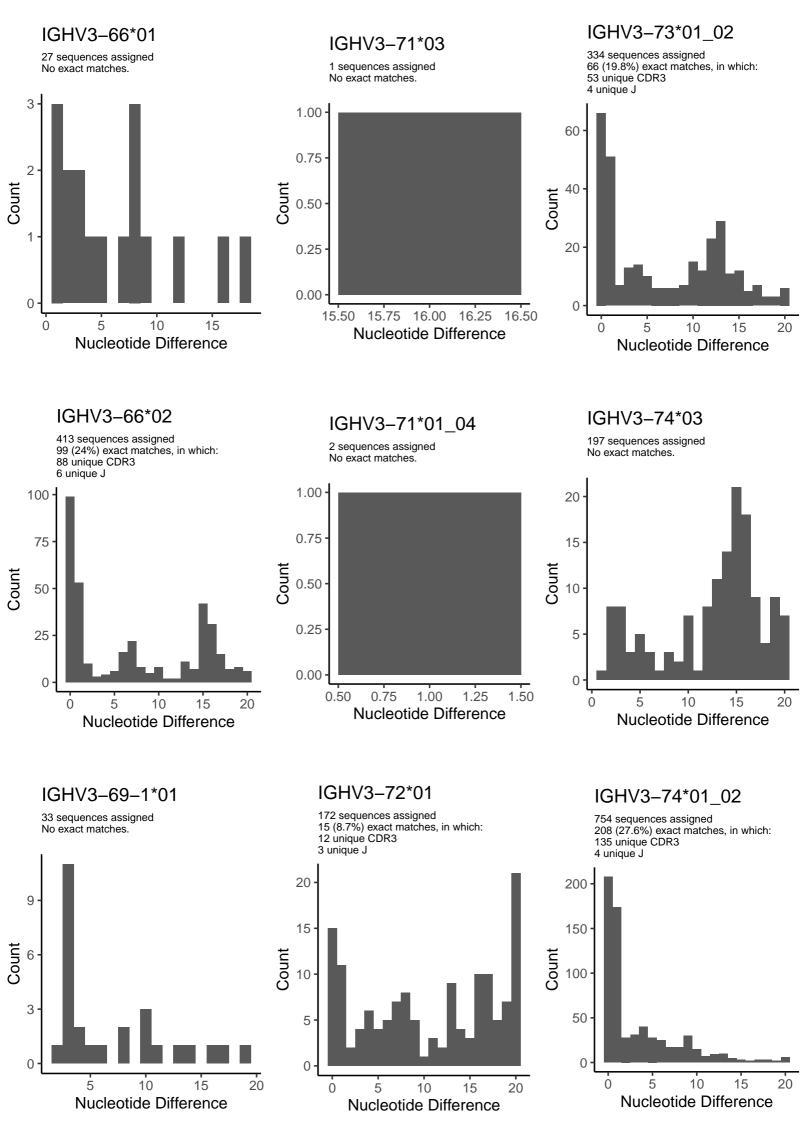


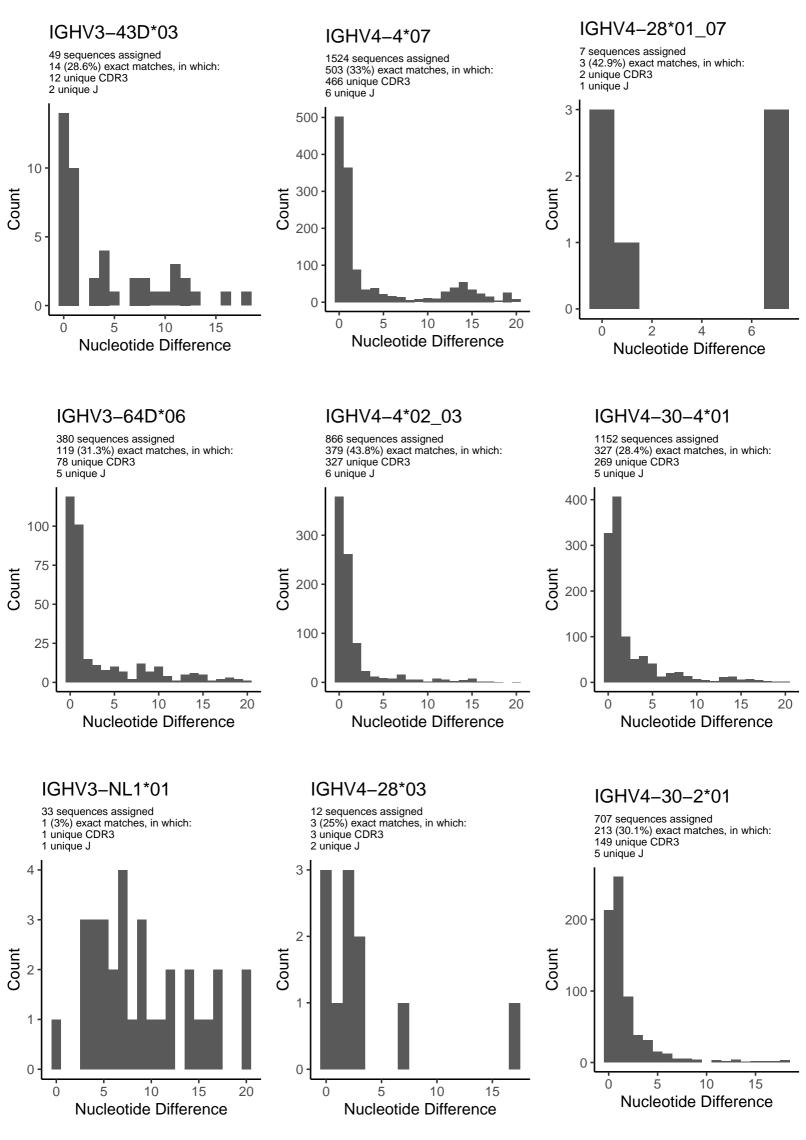
IGHV2-26*01 IGHV3-7*01 IGHV3-9*01 219 sequences assigned 76 (34.7%) exact matches, in which: 2148 sequences assigned 2448 sequences assigned 467 (21.7%) exact matches, in which: 284 (11.6%) exact matches, in which: 63 unique CDR3 387 unique CDR3 216 unique CDR3 5 unique J 6 unique J 6 unique J 80 400 60 200 300 Count Count 200 100 20 100 0 0 0 20 5 10 15 20 5 10 15 0 0 10 15 0 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV2-70*01 IGHV3-7*03 IGHV3-11*01 200 sequences assigned 775 sequences assigned 643 sequences assigned 240 (37.3%) exact matches, in which: 41 (5.3%) exact matches, in which: 40 (20%) exact matches, in which: 33 unique CDR3 34 unique CDR3 190 unique CDR3 4 unique J 4 unique J 6 unique J 250 80 60 200 60 150 40 Count Count Count 40 100 20 20 50 0 0 0 10 15 20 0 5 10 15 20 10 15 0 0 5 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-11*04 IGHV3-7*04 IGHV2-70*12 424 sequences assigned 790 sequences assigned 32 sequences assigned 69 (16.3%) exact matches, in which: 152 (19.2%) exact matches, in which: 4 (12.5%) exact matches, in which: 67 unique CDR3 112 unique CDR3 4 unique CDR3 4 unique J 2 unique J 6 unique J 10.0 150 80 7.5 60 100 Count Count 5.0 40 50 2.5 20 0.0 0 0 2 4 5 10 15 20 0 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference

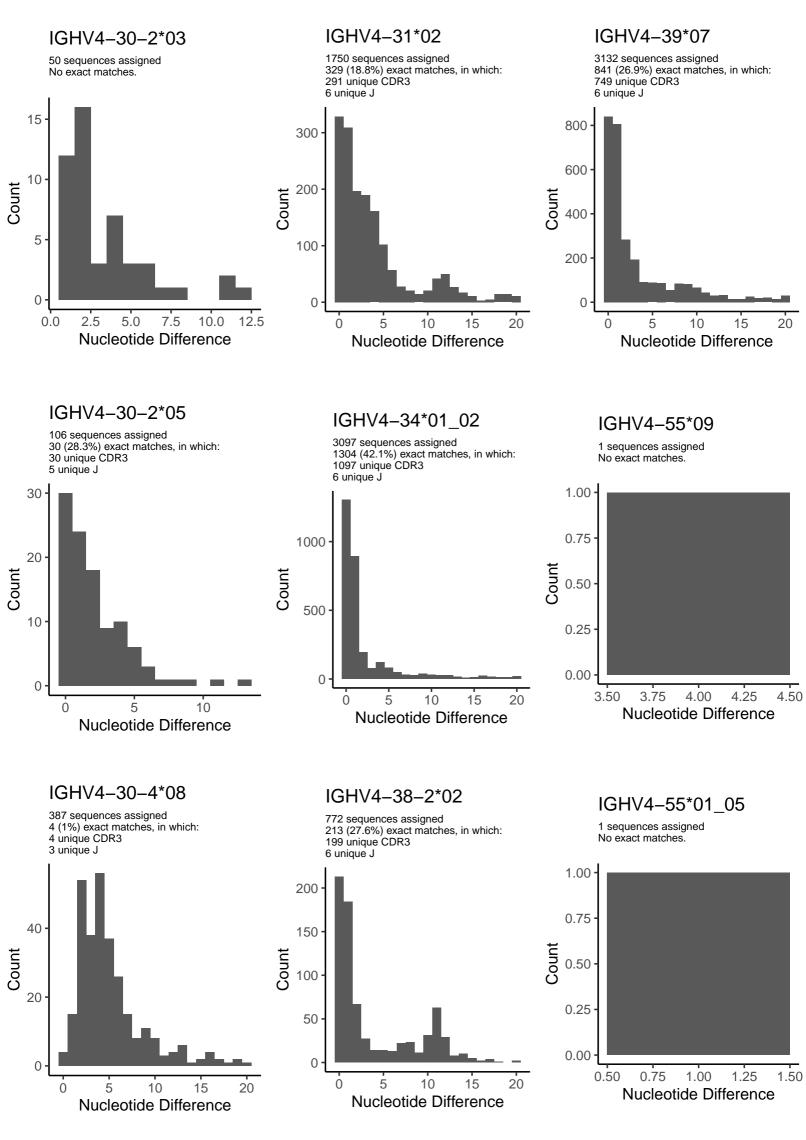


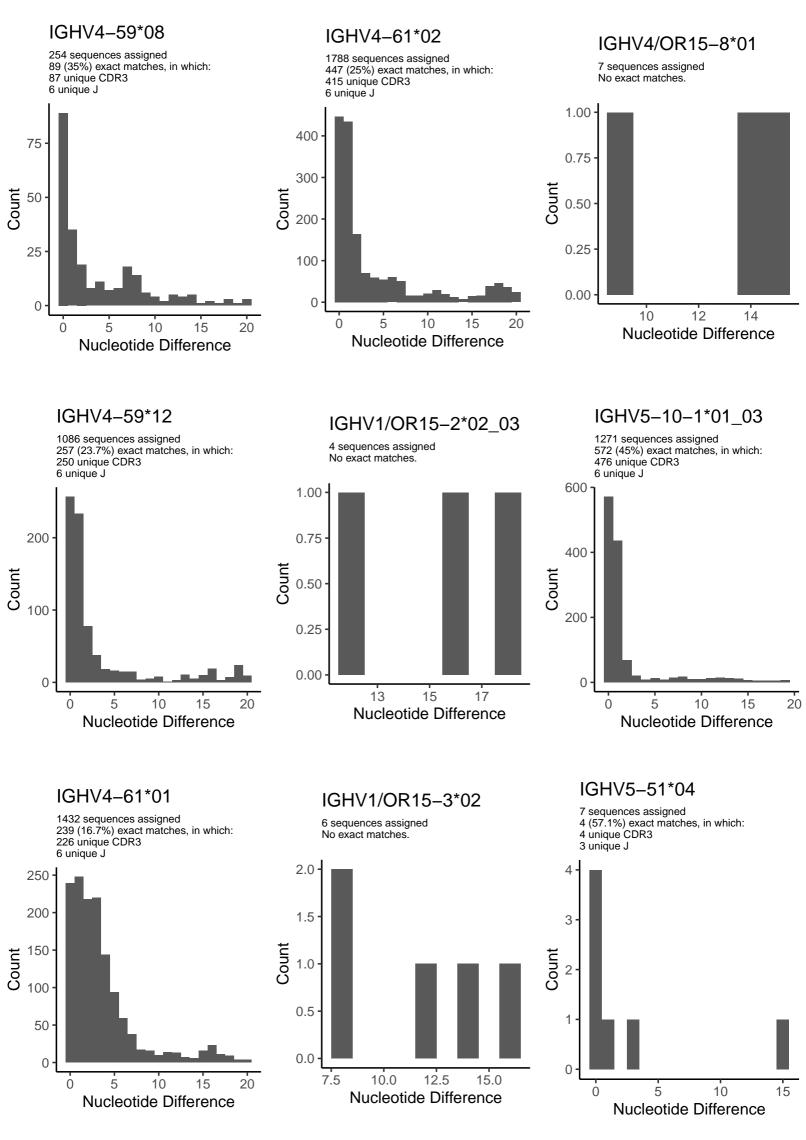








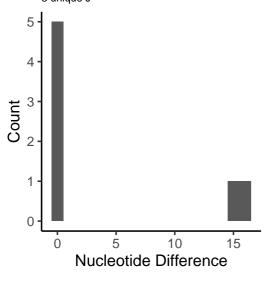




IGHV5-51*06 IGHV7-4-1*01 7 sequences assigned 4 (57.1%) exact matches, in which: 4 unique CDR3 44 sequences assigned 21 (47.7%) exact matches, in which: 18 unique CDR3 3 unique J 1 unique J 20 3 15 Count 10 Count 2 5 1 0 0 0.0 2.5 5.0 7.5 10.0 5 **Nucleotide Difference Nucleotide Difference**

IGHV5-51*07

7 sequences assigned 5 (71.4%) exact matches, in which: 5 unique CDR3 3 unique J



IGHV6-1*01_02

432 sequences assigned 113 (26.2%) exact matches, in which: 99 unique CDR3 6 unique J

