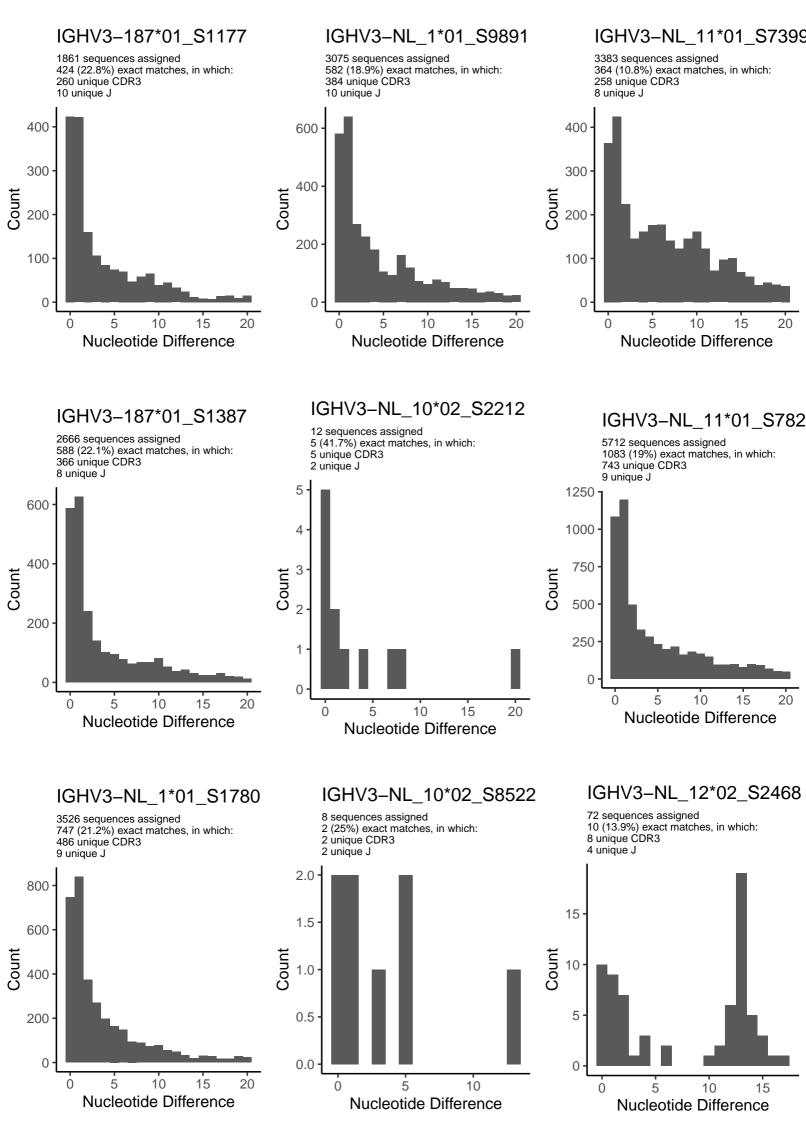
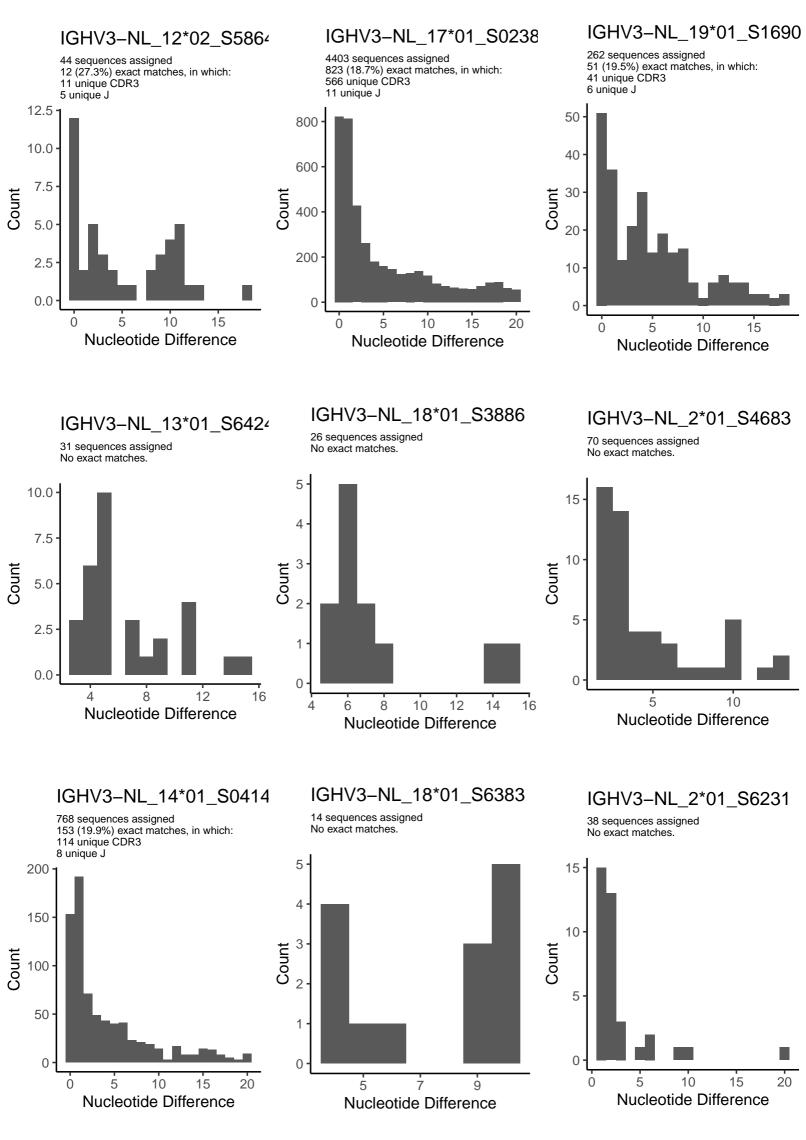
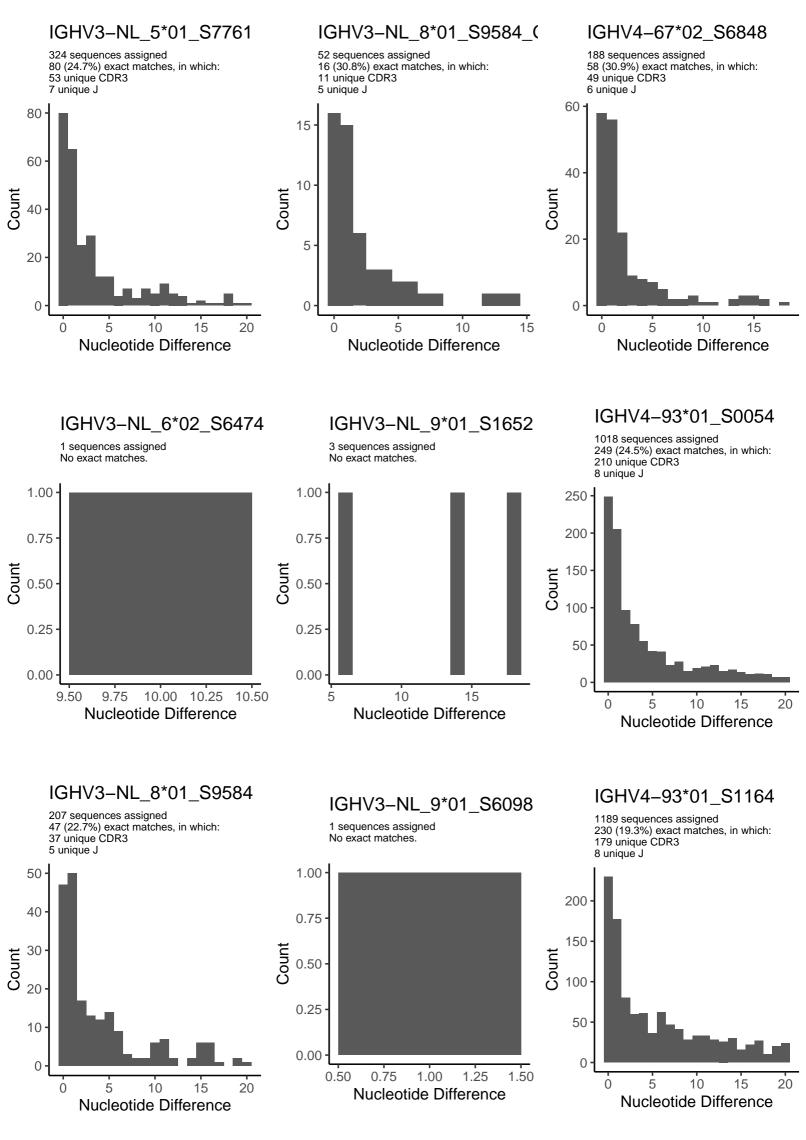
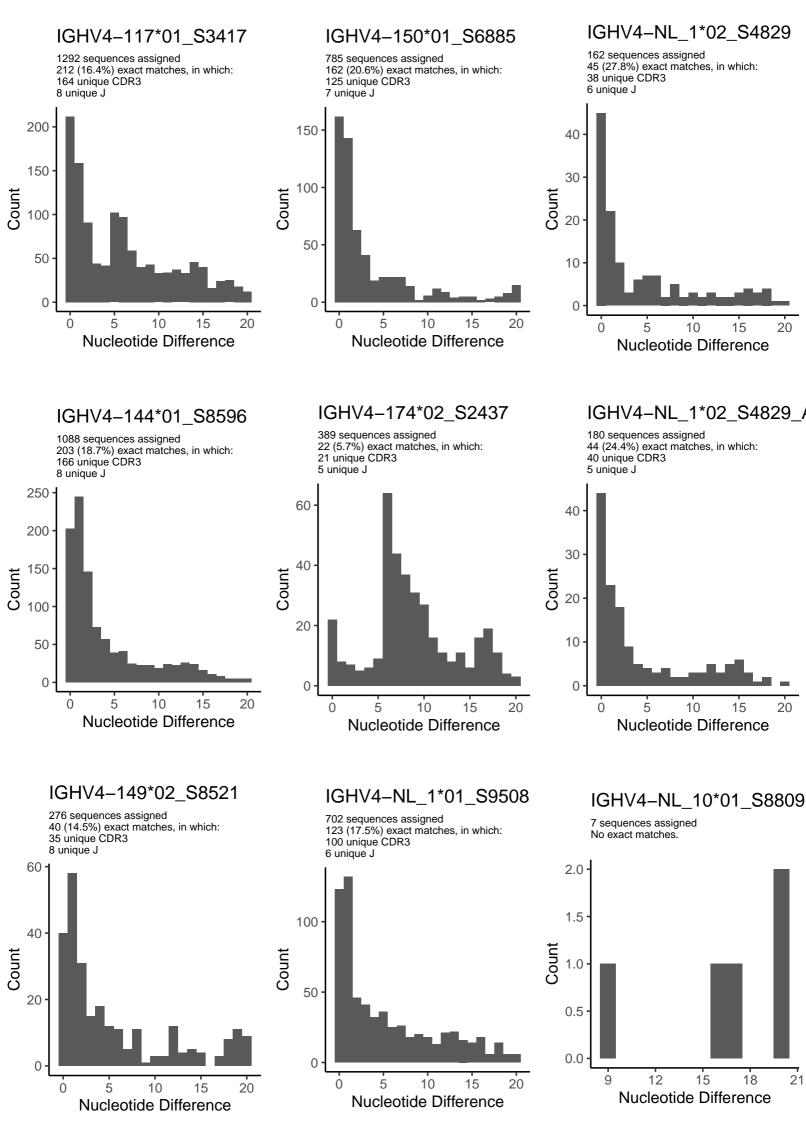


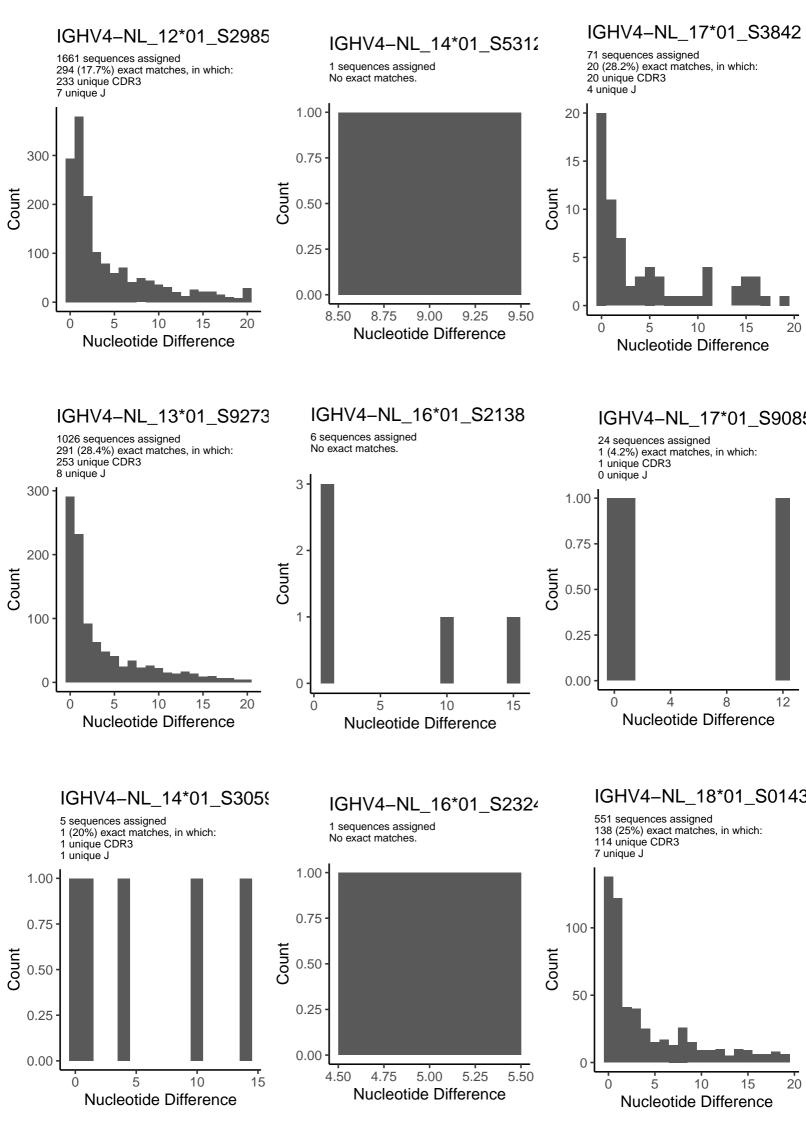
IGHV3-127*01_S6769 IGHV3-128*02_S2828 IGHV3-143*01_S1151 452 sequences assigned 607 sequences assigned 60 sequences assigned 69 (15.3%) exact matches, in which: 101 (16.6%) exact matches, in which: 10 (16.7%) exact matches, in which: 49 unique CDR3 70 unique CDR3 9 unique CDR3 6 unique J 7 unique J 4 unique J 10.0 100 60 7.5 75 Count Count 5.0 50 20 2.5 25 0.0 0 0 10 5 10 15 20 0 10 20 0 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV3-152*01 S2211 IGHV3-127*01_S9220 IGHV3-141*01_S7670 496 sequences assigned 707 sequences assigned 132 (18.7%) exact matches, in which: 691 sequences assigned 9 (1.8%) exact matches, in which: 230 (33.3%) exact matches, in which: 6 unique CDR3 81 unique CDR3 174 unique CDR3 3 unique J 5 unique J 9 unique J 150 200 40 100 150 30 Count Count 100 20 50 50 10 0 0 0 15 20 10 15 20 0 5 10 0 5 10 15 20 0 5 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV3-141*02 S7574 IGHV3-128*01_S3347 IGHV3-172*01_S2175 161 sequences assigned 863 sequences assigned 855 sequences assigned 42 (26.1%) exact matches, in which: 128 (14.8%) exact matches, in which: 160 (18.7%) exact matches, in which: 32 unique CDR3 81 unique CDR3 98 unique CDR3 5 unique J 8 unique J 7 unique J 200 40 100 150 30 Count 100 20 50 50 10 0 0 0 10 15 10 15 20 20 0 5 10 15 20 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference

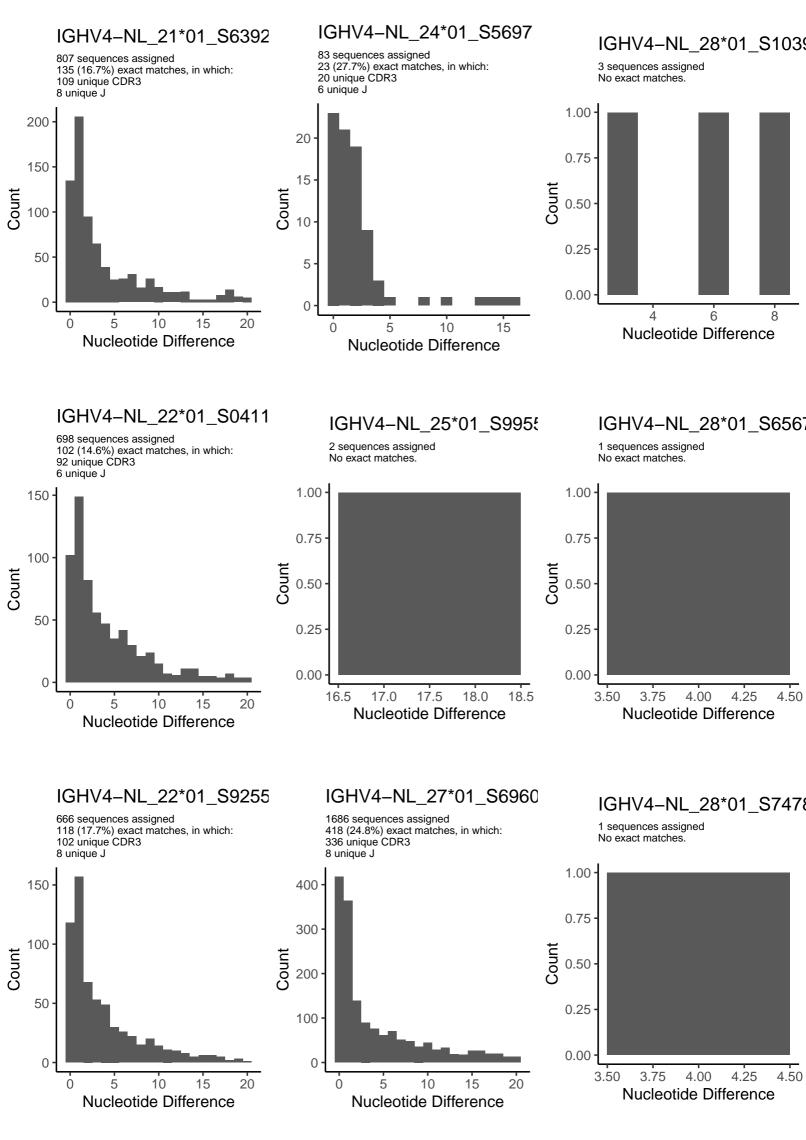


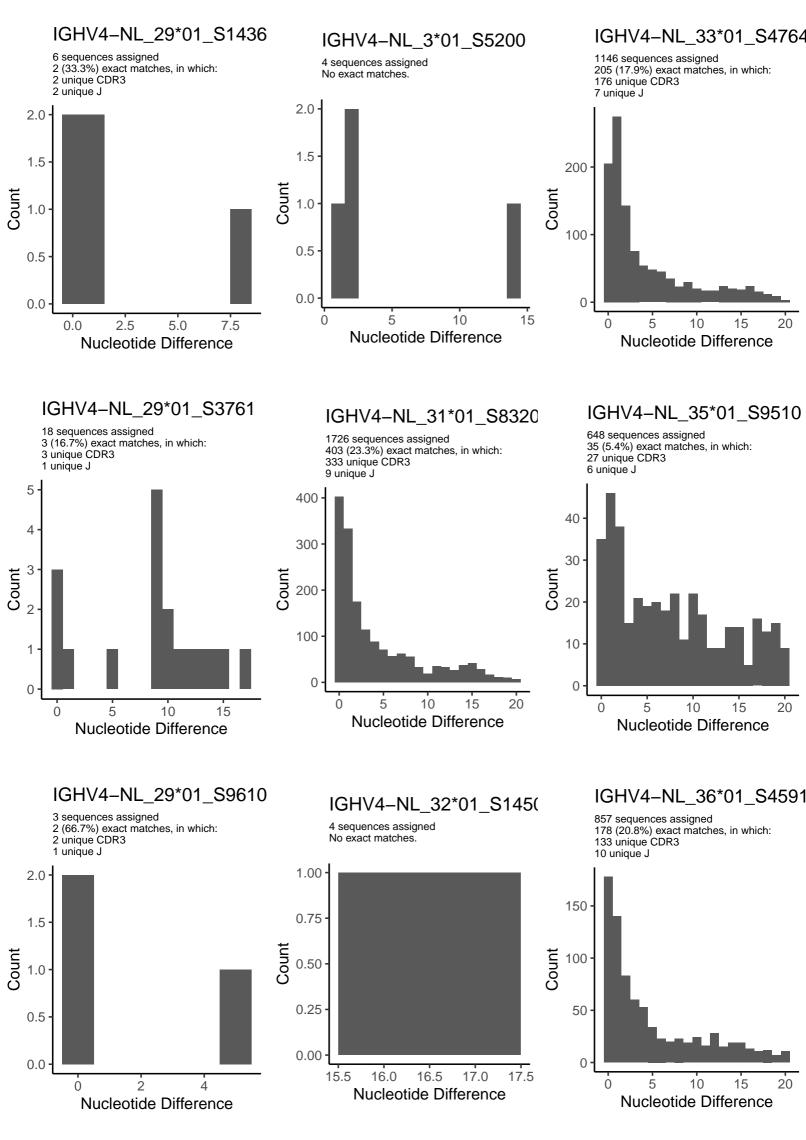


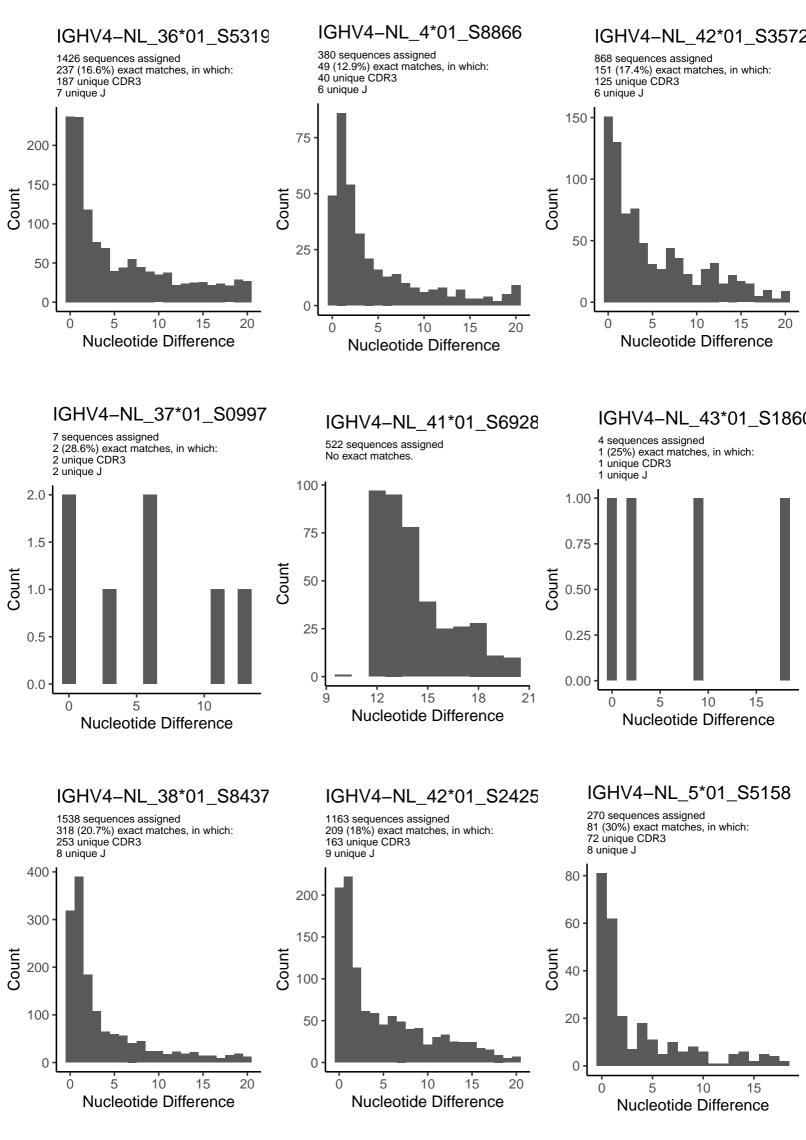


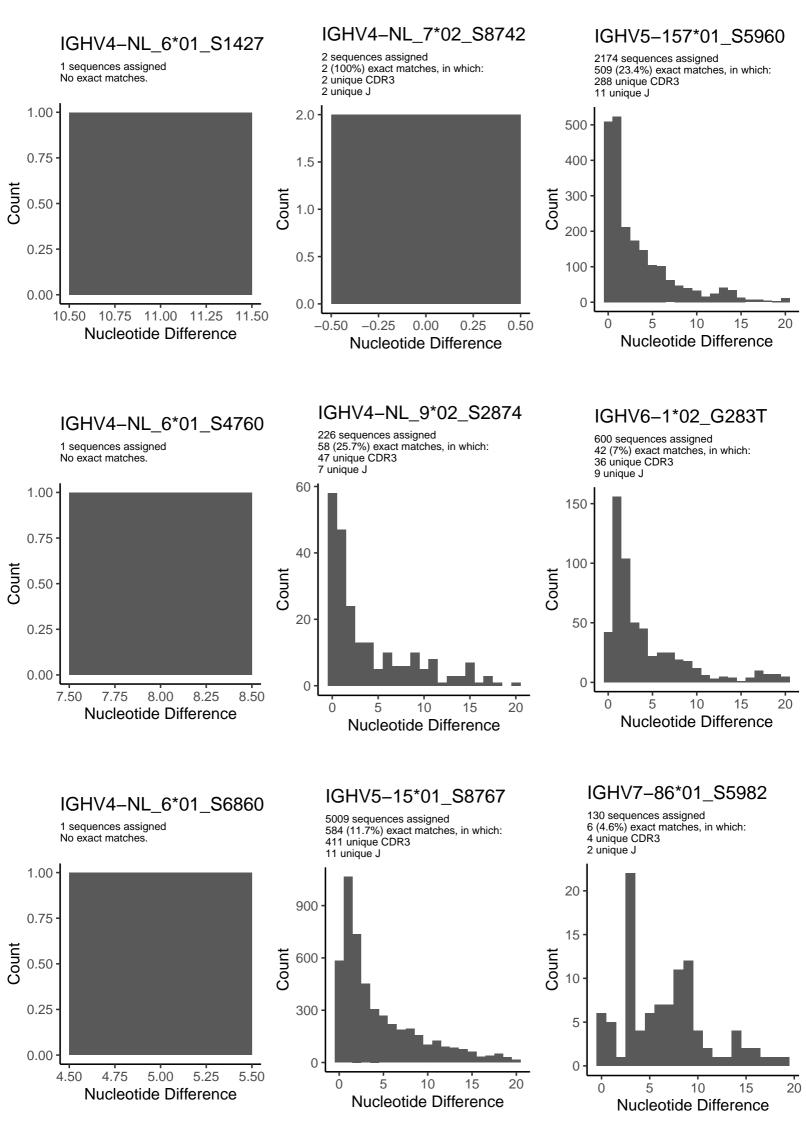


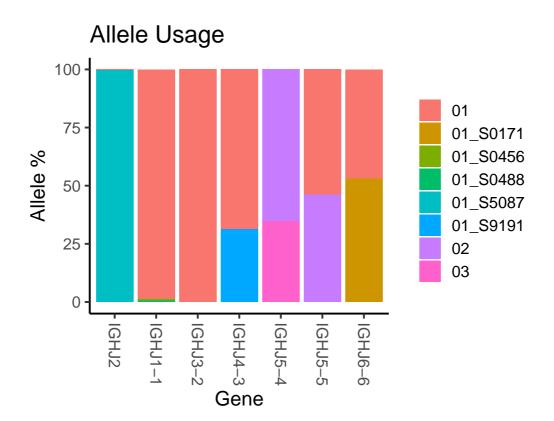




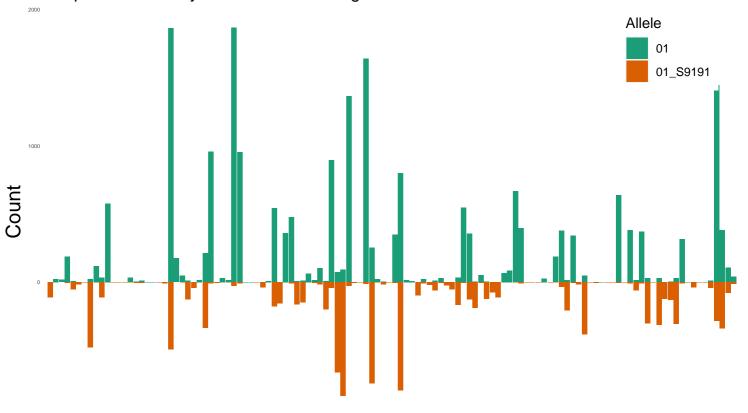






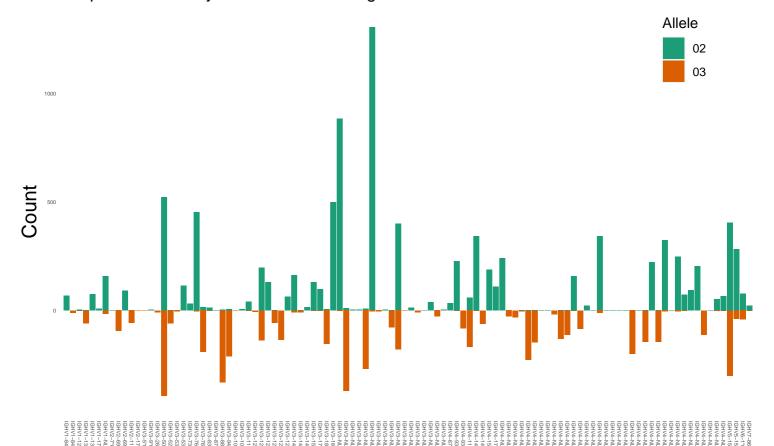


Sequence Count by IGHJ4-3 allele usage

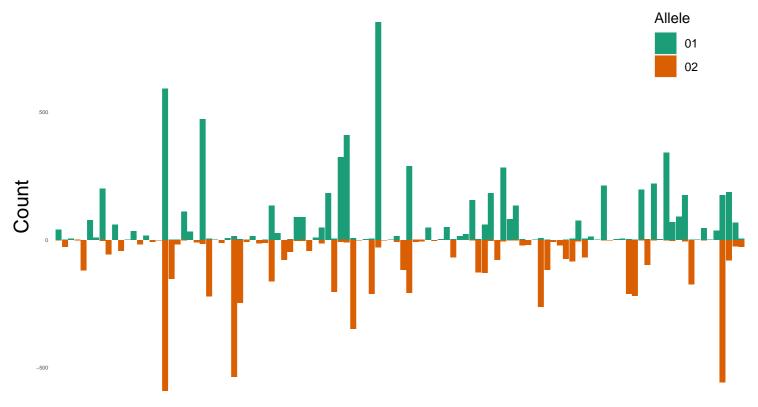




Sequence Count by IGHJ5-4 allele usage



Sequence Count by IGHJ5-5 allele usage





Sequence Count by IGHJ6-6 allele usage

