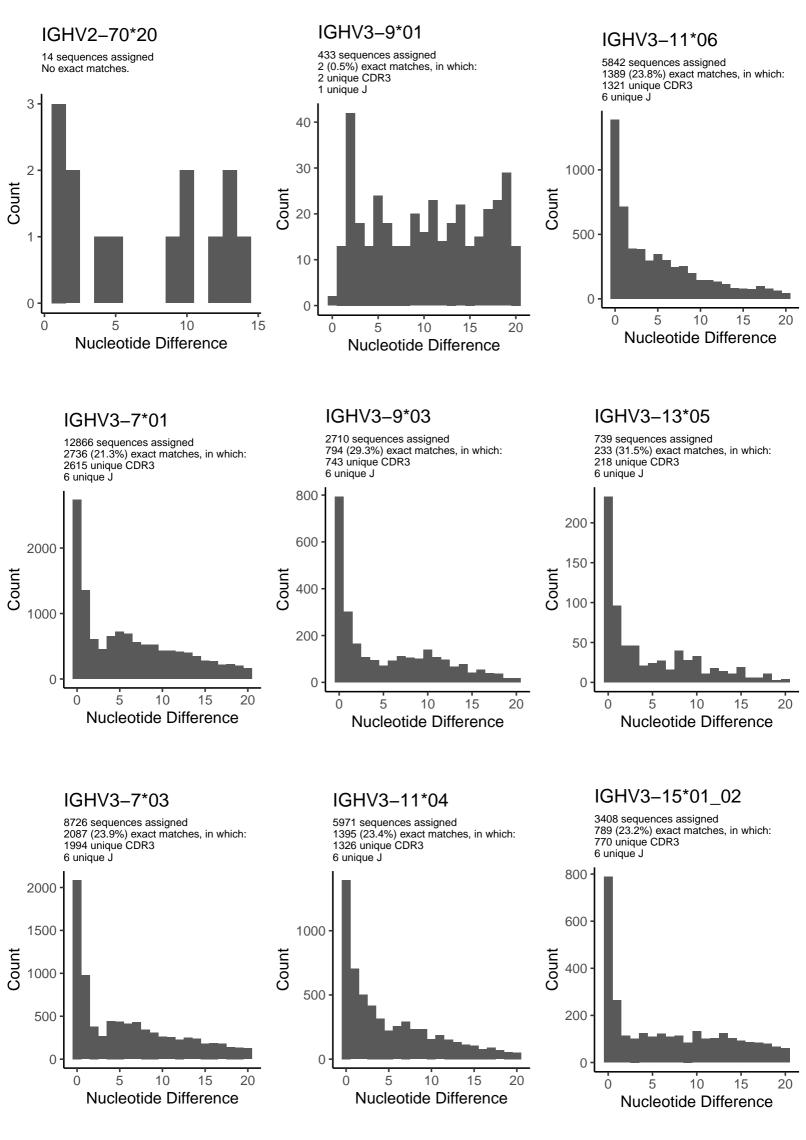
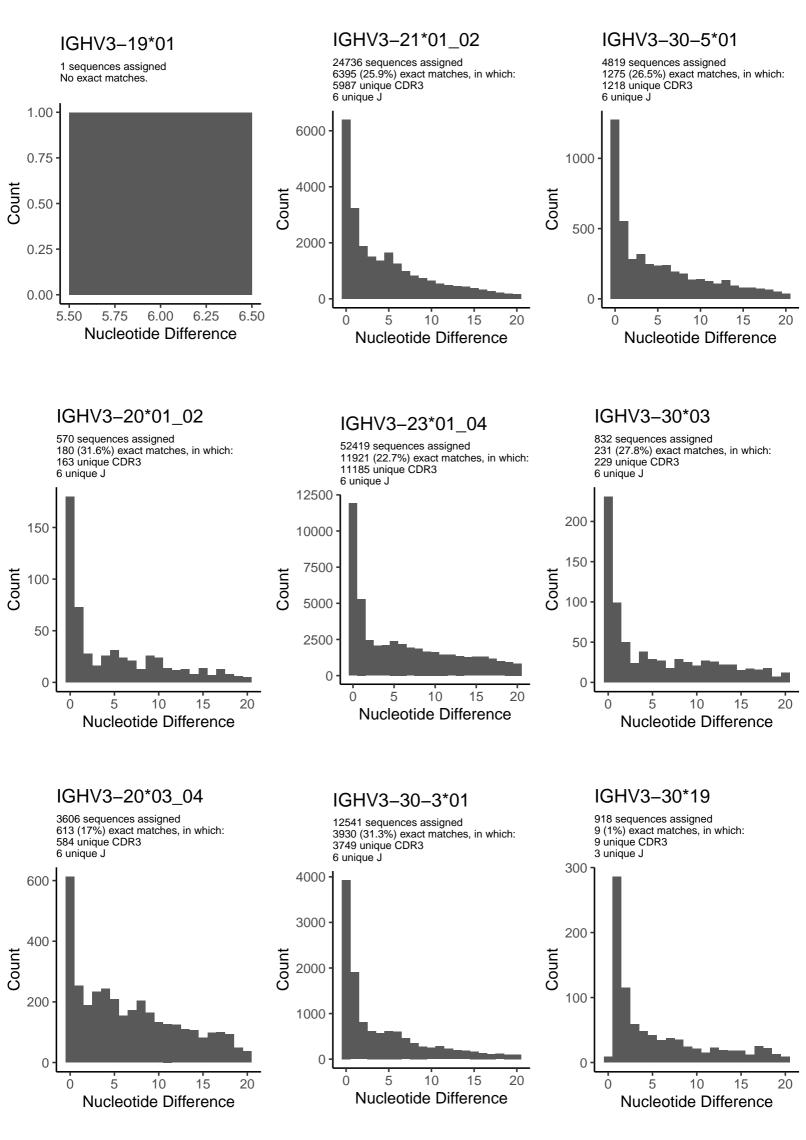
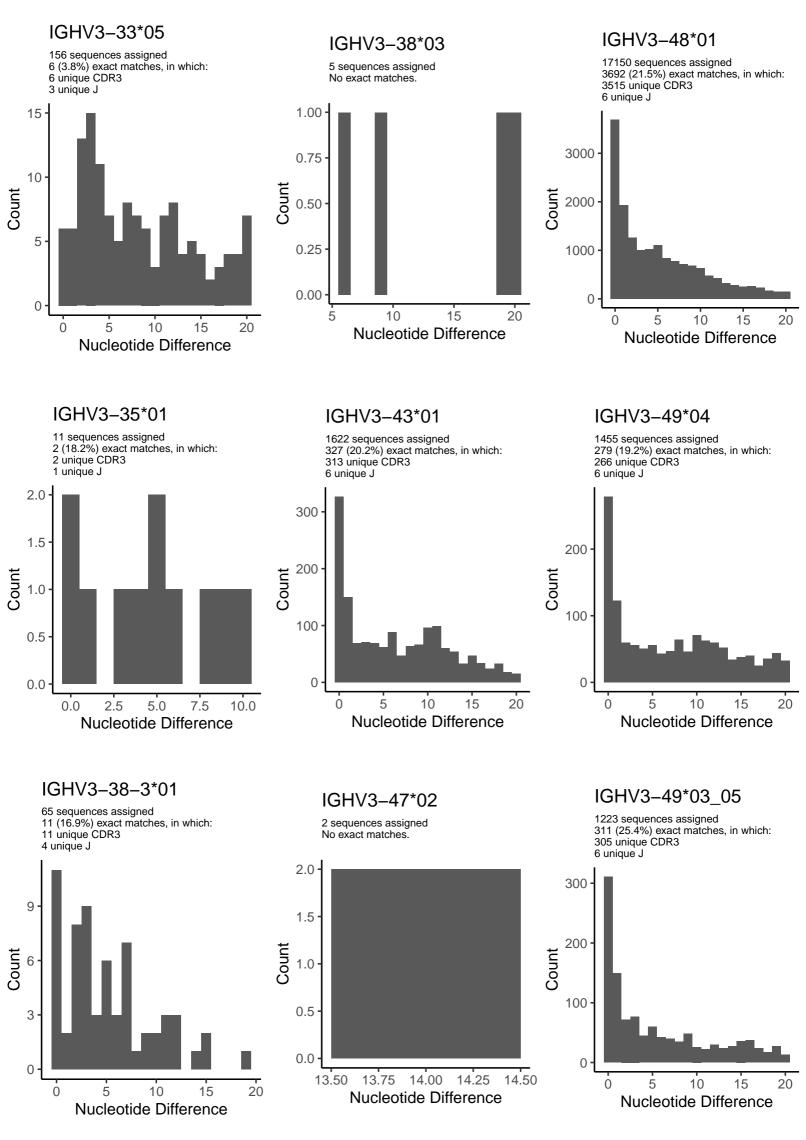
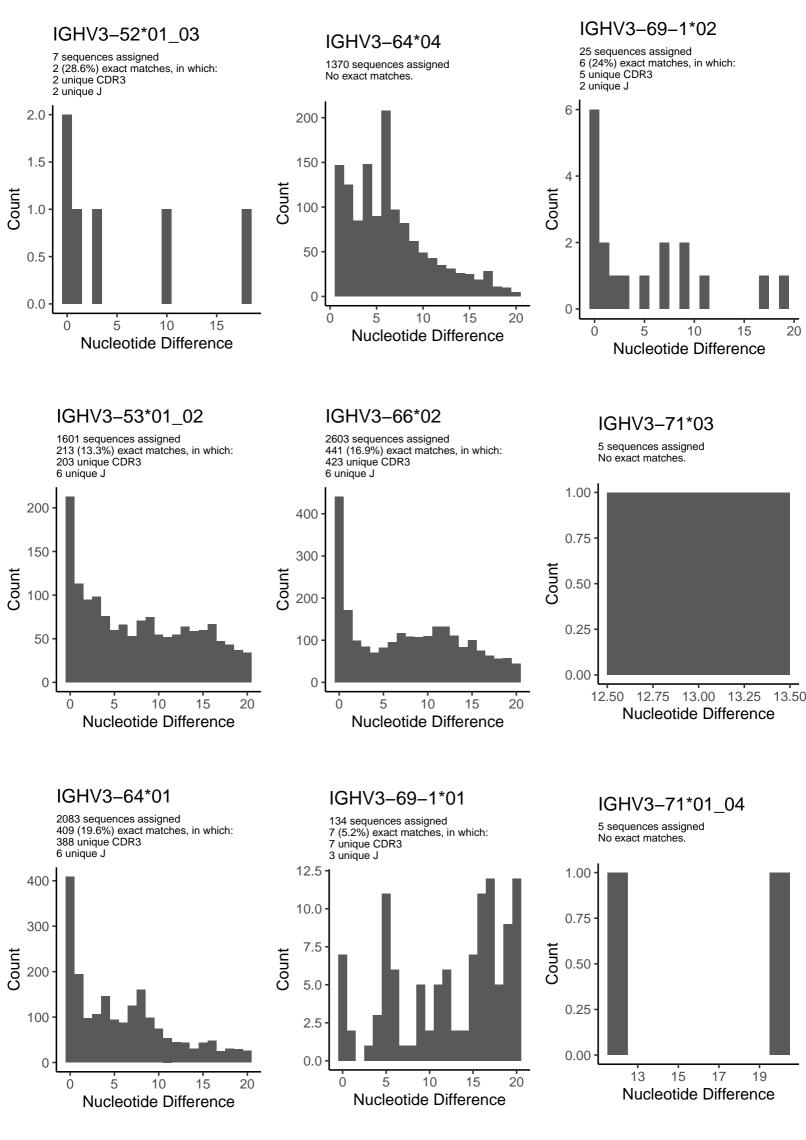


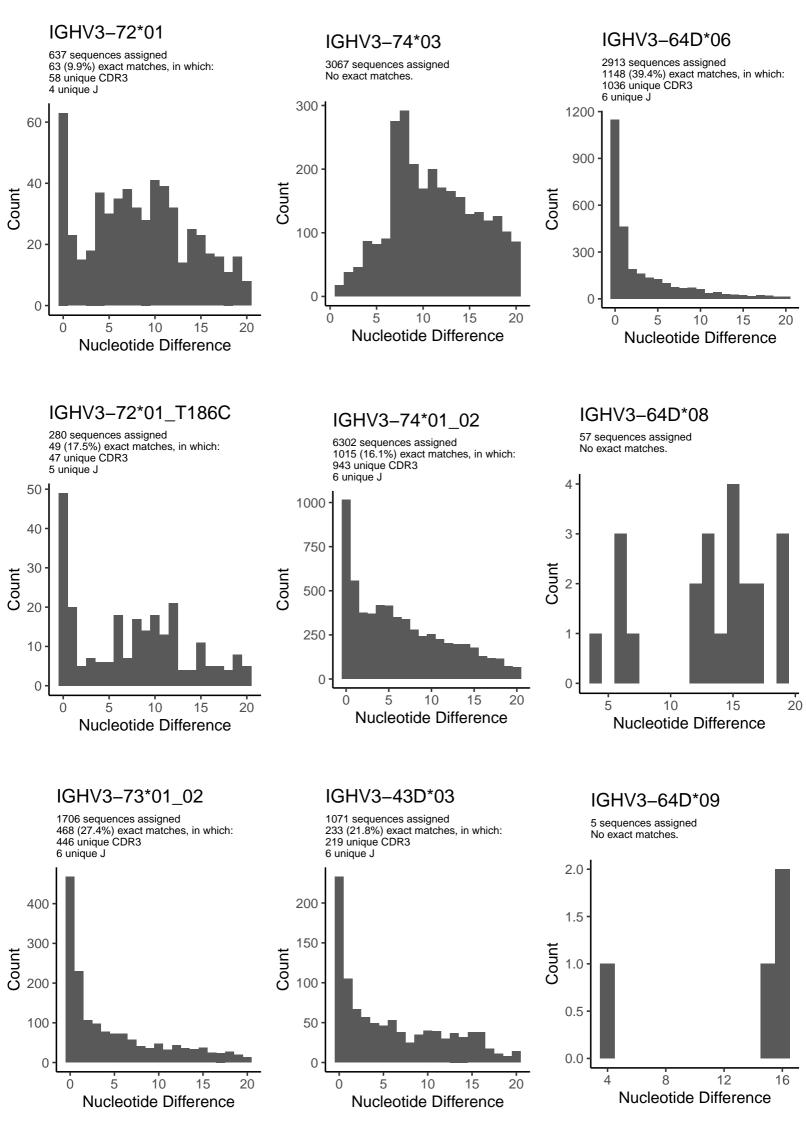
IGHV1-58*02 IGHV2-5*01 IGHV1-69*05 326 sequences assigned 80 (24.5%) exact matches, in which: 110 sequences assigned 13663 sequences assigned 3475 (25.4%) exact matches, in which: 17 (15.5%) exact matches, in which: 78 unique CDR3 17 unique CDR3 3324 unique CDR3 5 unique J 6 unique J 6 unique J 80 20 3000 60 15 Count Count 2000 40 10 1000 20 5 0 0 0 0 10 15 20 0 10 15 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV2-5*02 IGHV1-69*01_12_13 IGHV1-68*02_03 97 sequences assigned 8164 sequences assigned 2151 (26.3%) exact matches, in which: 3 sequences assigned 10 (10.3%) exact matches, in which: No exact matches. 10 unique CDR3 2064 unique CDR3 4 unique J 6 unique J 1.00 -2000 20 0.75 1500 15 0.50 Count 1000 10 0.25 500 5 0.00 0 0 0 5 10 15 0 10 20 10 20 0 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-69-2*01 IGHV1-69*15_18 IGHV2-26*01 197 sequences assigned 5808 sequences assigned 1648 (28.4%) exact matches, in which: 5 sequences assigned 16 (8.1%) exact matches, in which: No exact matches. 16 unique CDR3 1588 unique CDR3 4 unique J 6 unique J 2.0 15 1500 1.5 1000 Count 1.0 500 5 0.5 0 0.0 0 10 15 20 12 0 10 15 20 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference**

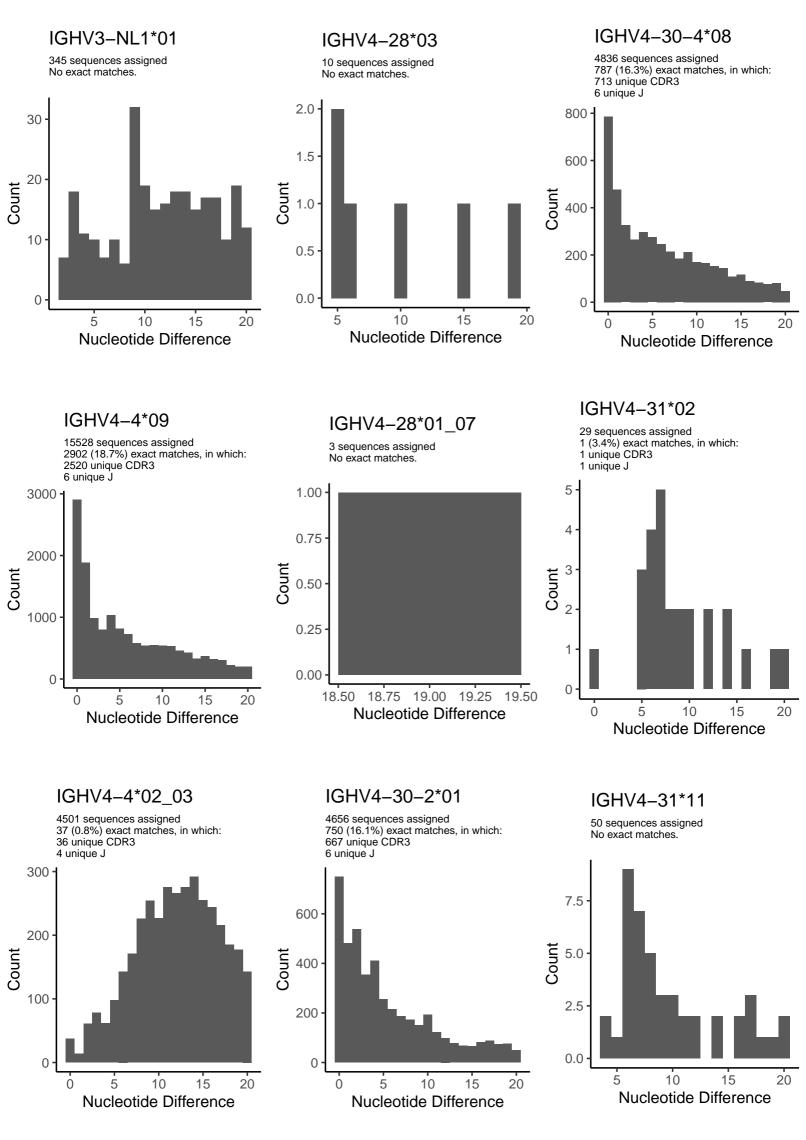


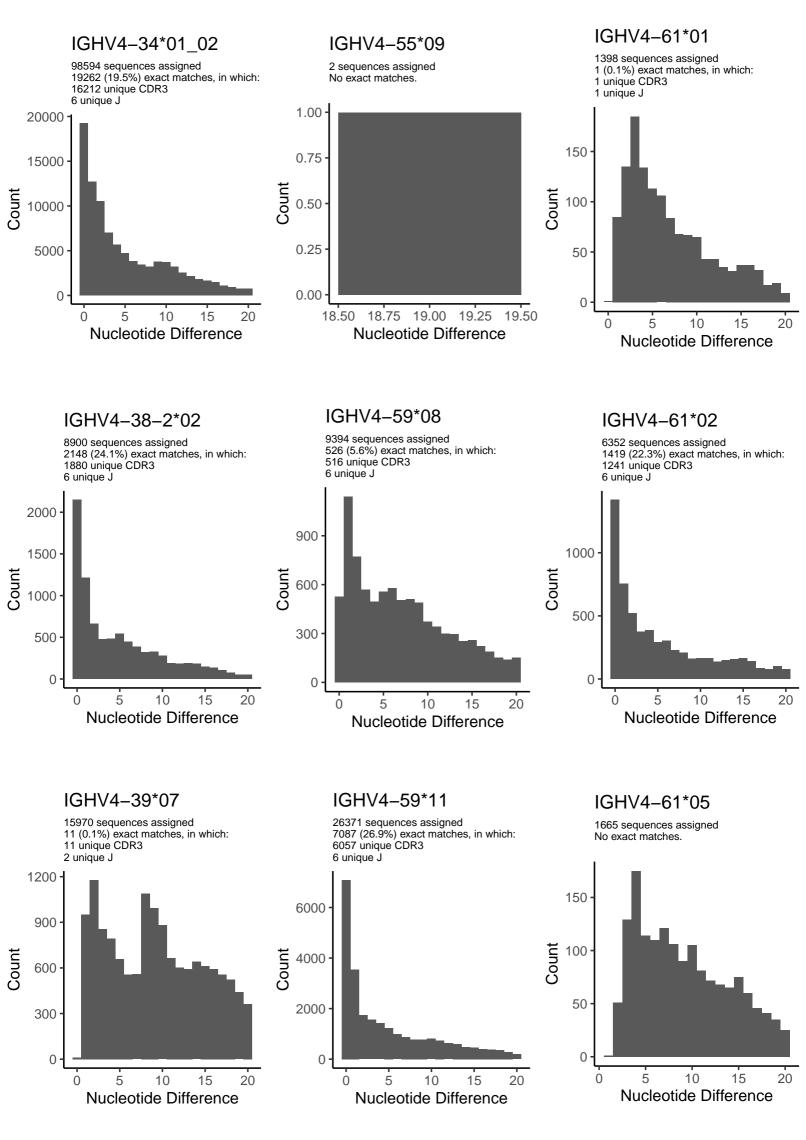


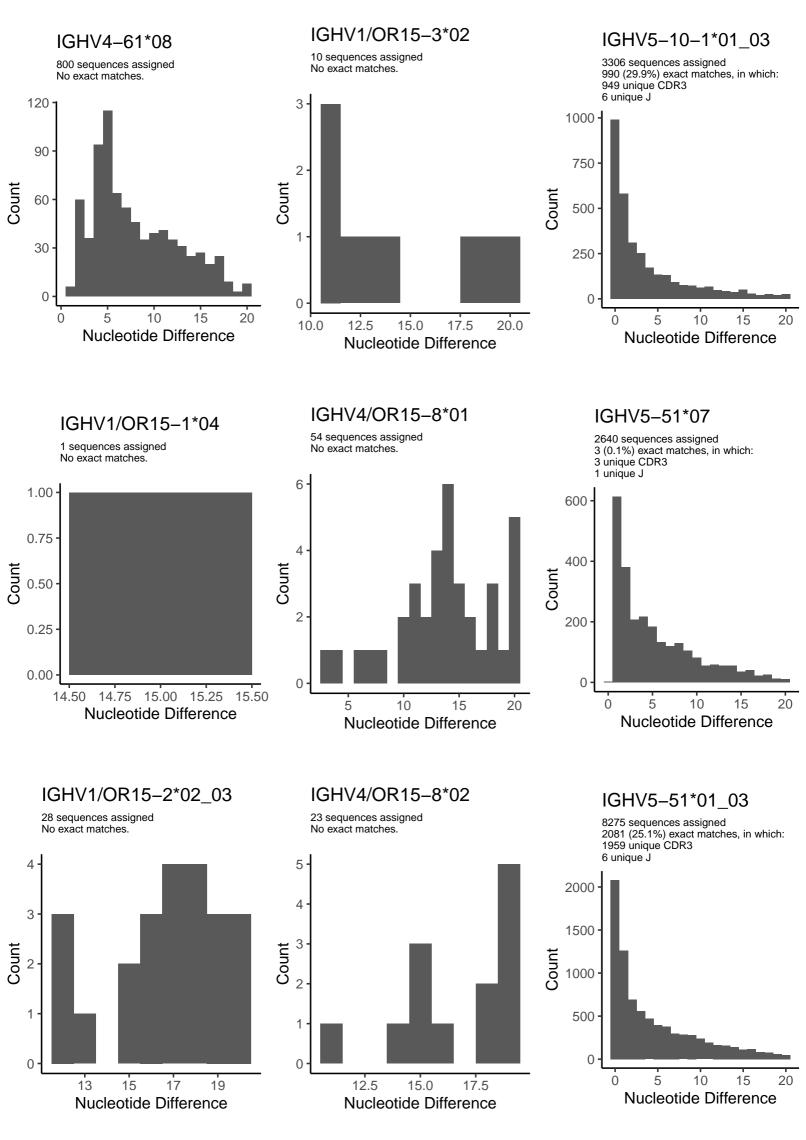






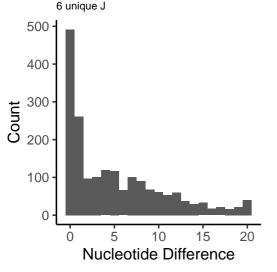






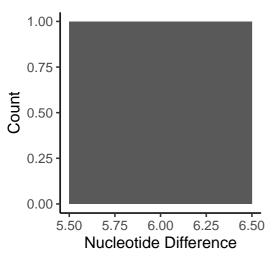
IGHV6-1*01_02

1945 sequences assigned 492 (25.3%) exact matches, in which: 454 unique CDR3



IGHV3/OR16-13*01

2 sequences assigned No exact matches.



IGHV7-4-1*02

351 sequences assigned 82 (23.4%) exact matches, in which: 82 unique CDR3 5 unique J

