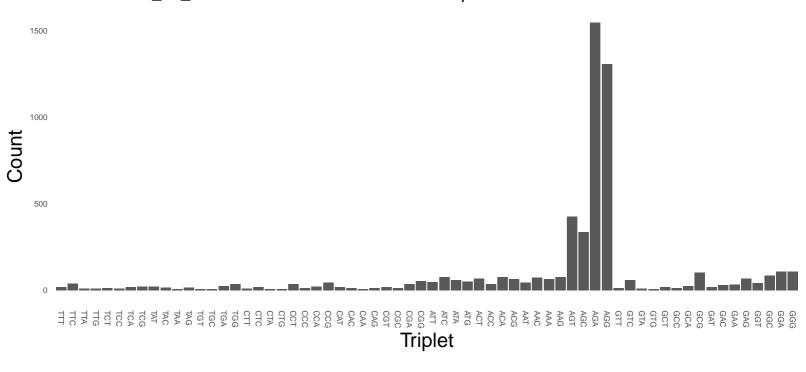
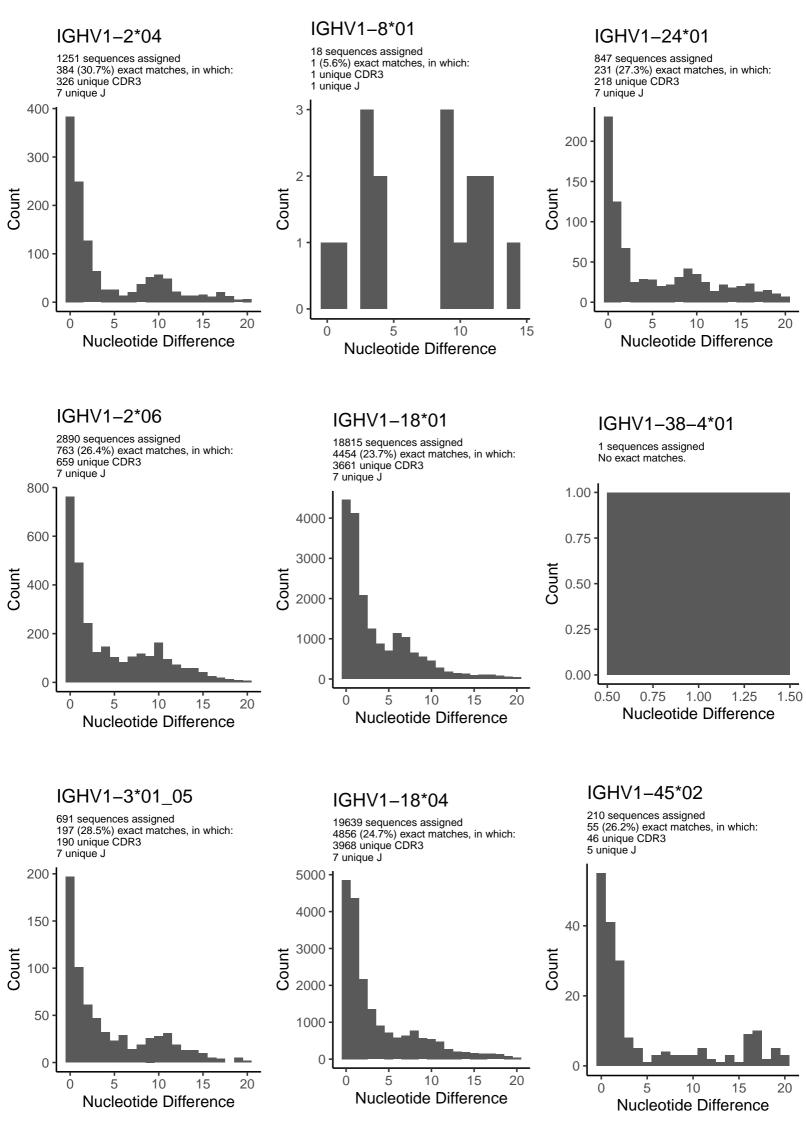
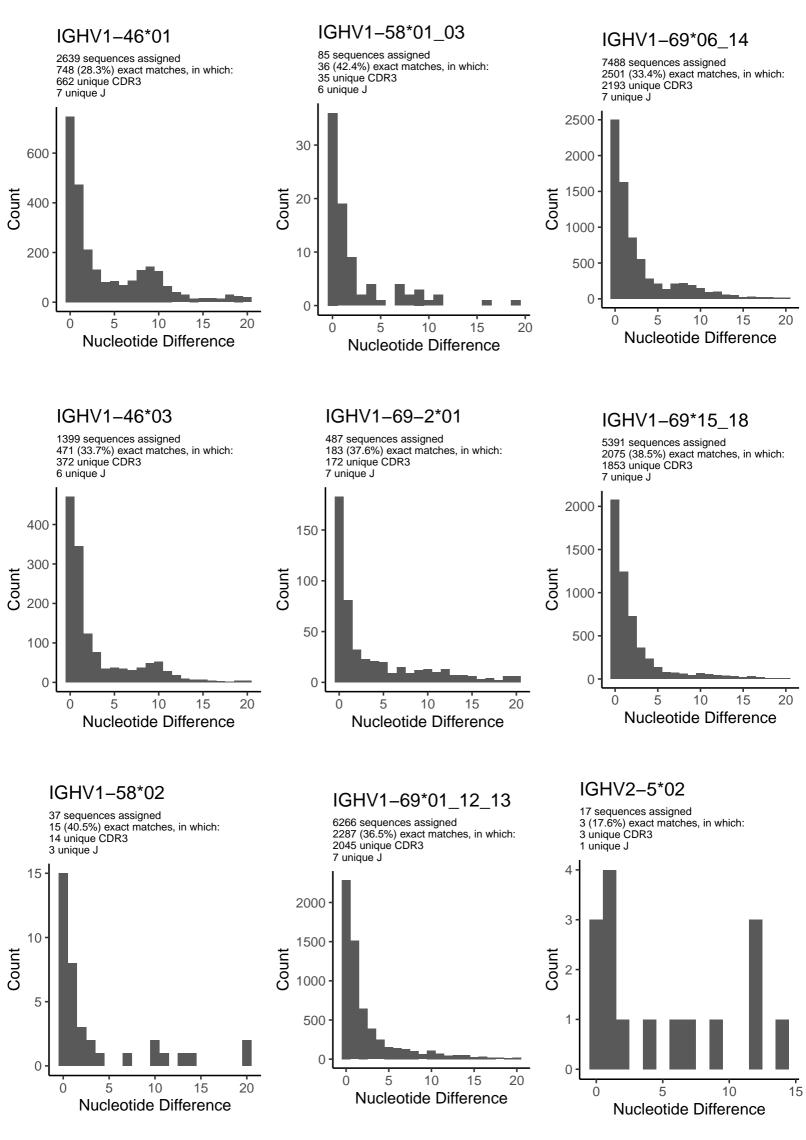
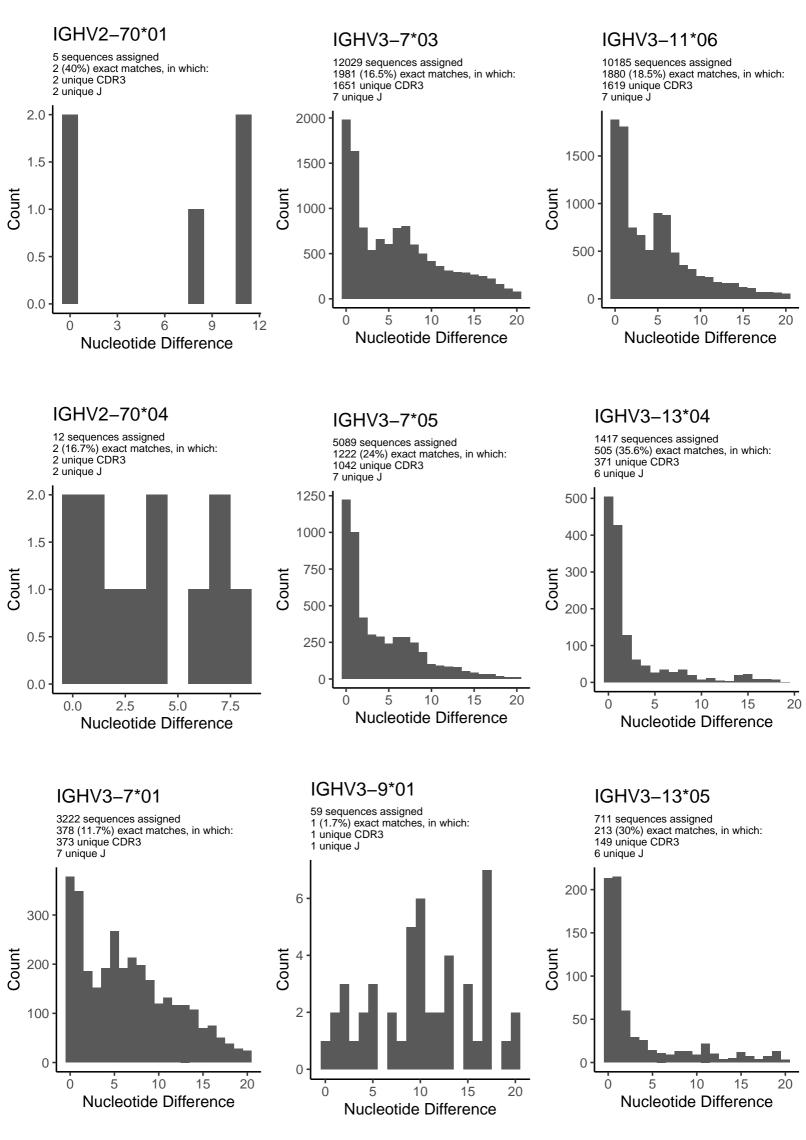


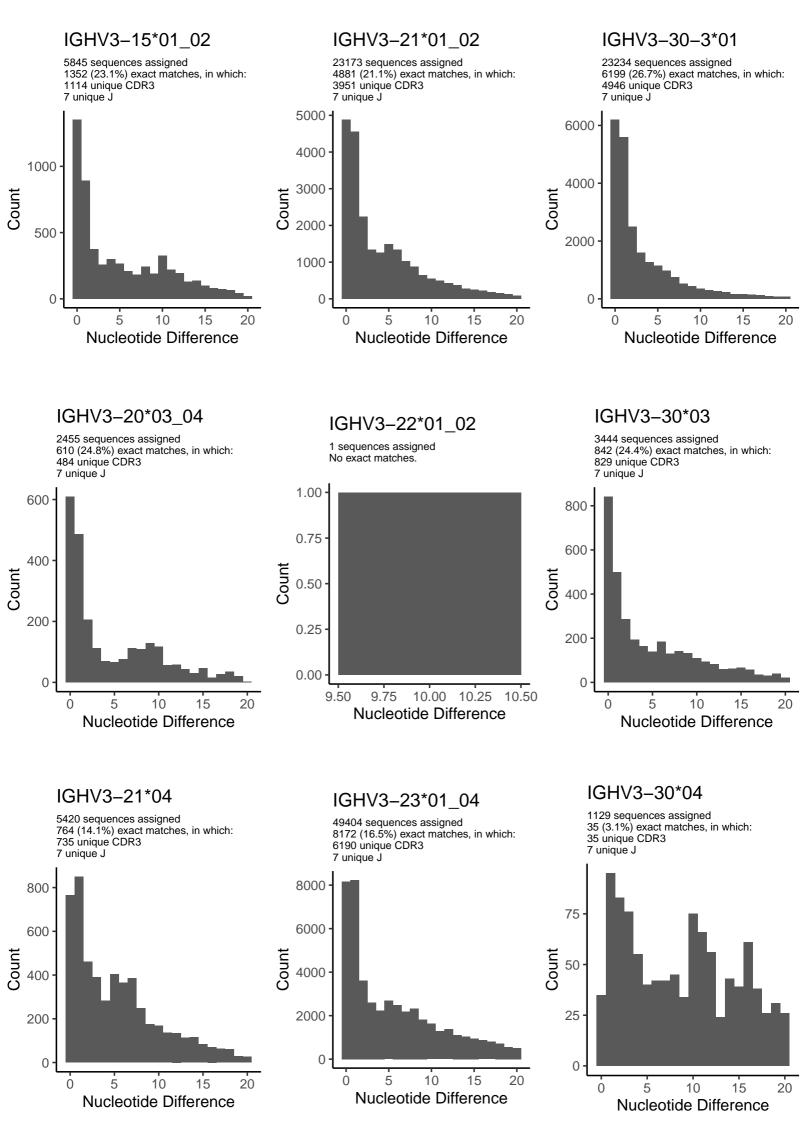
IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet

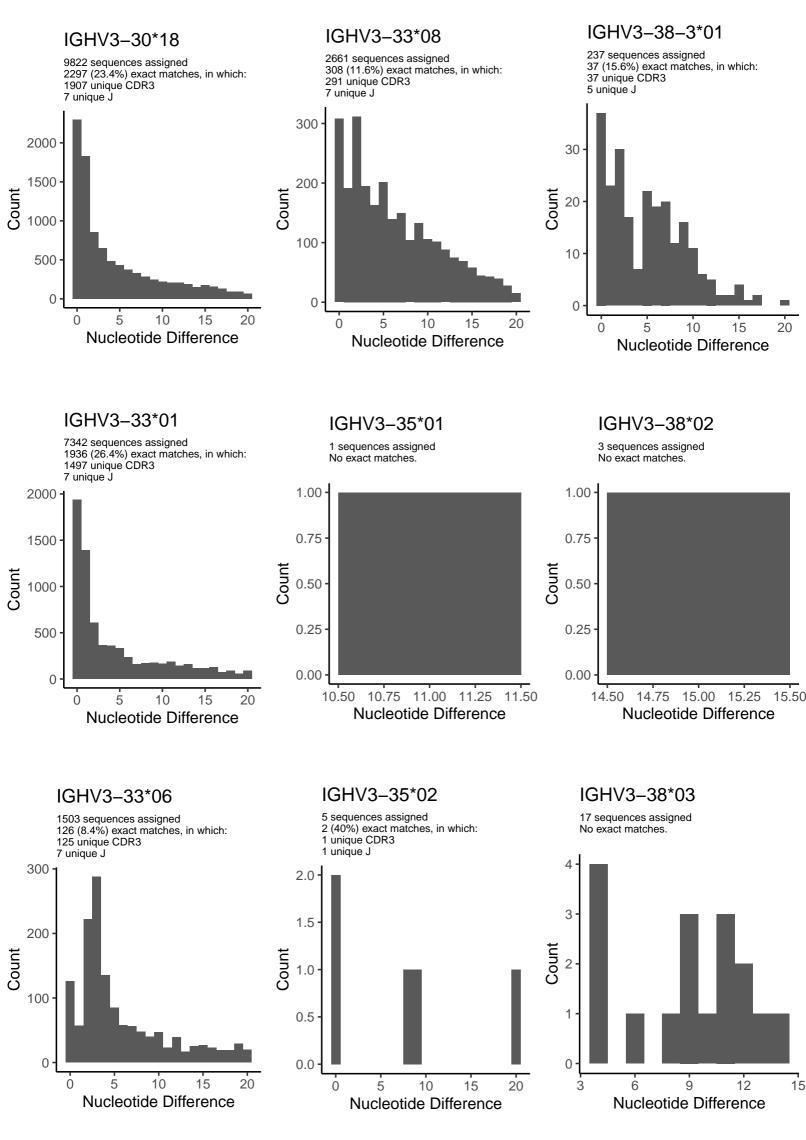


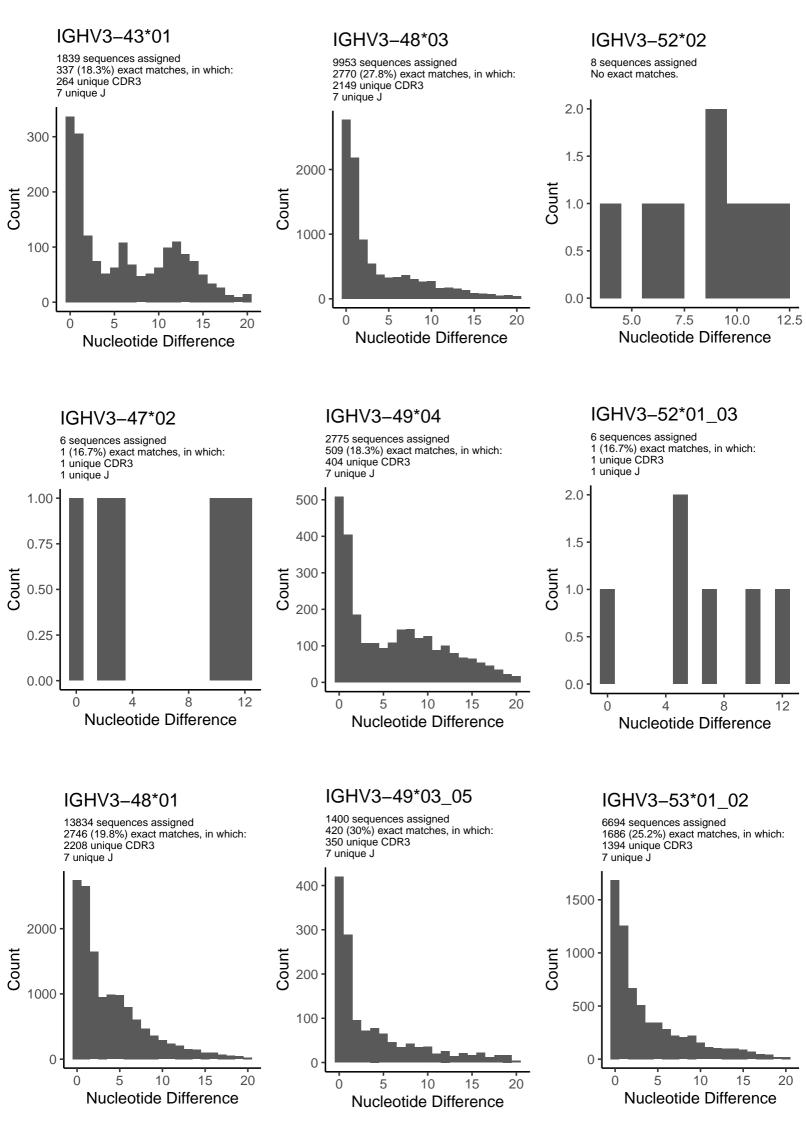


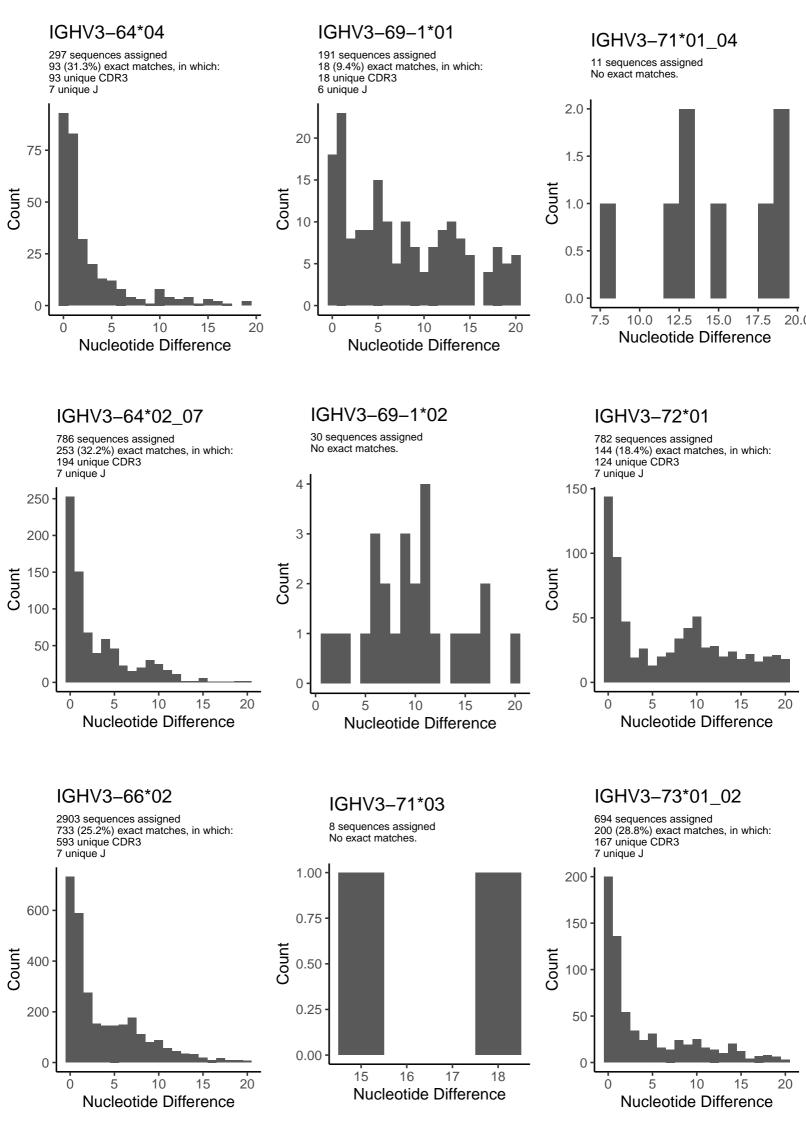


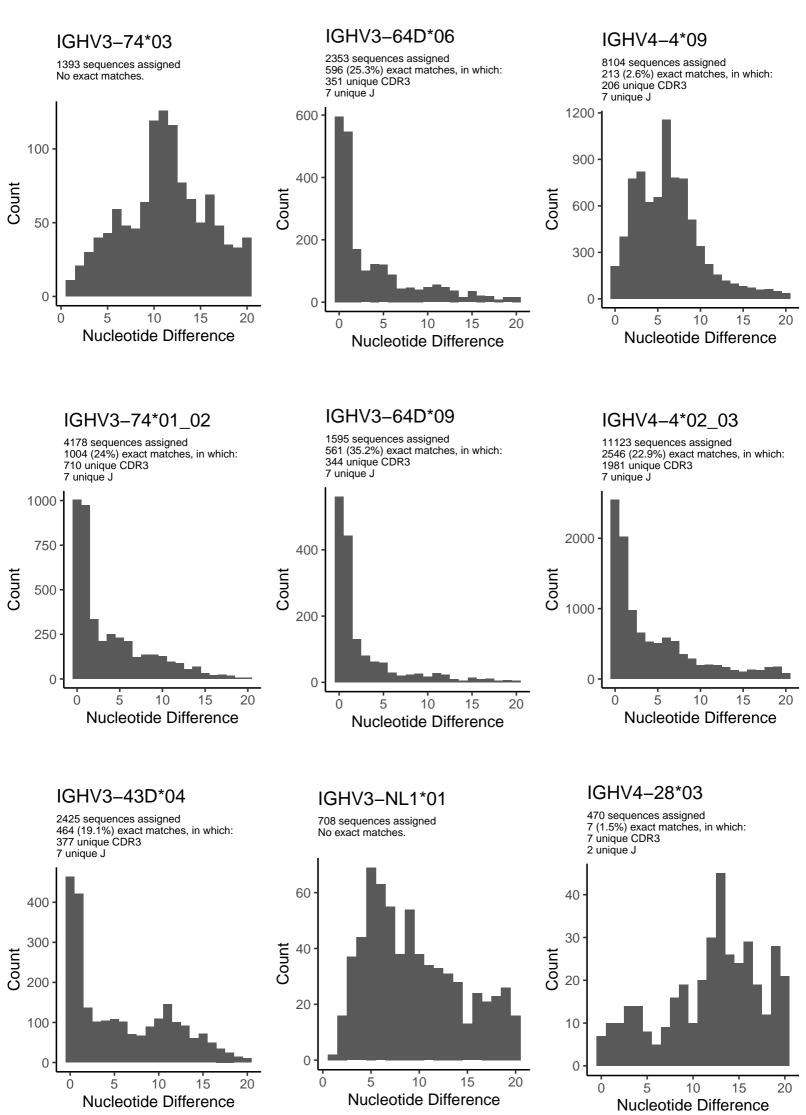


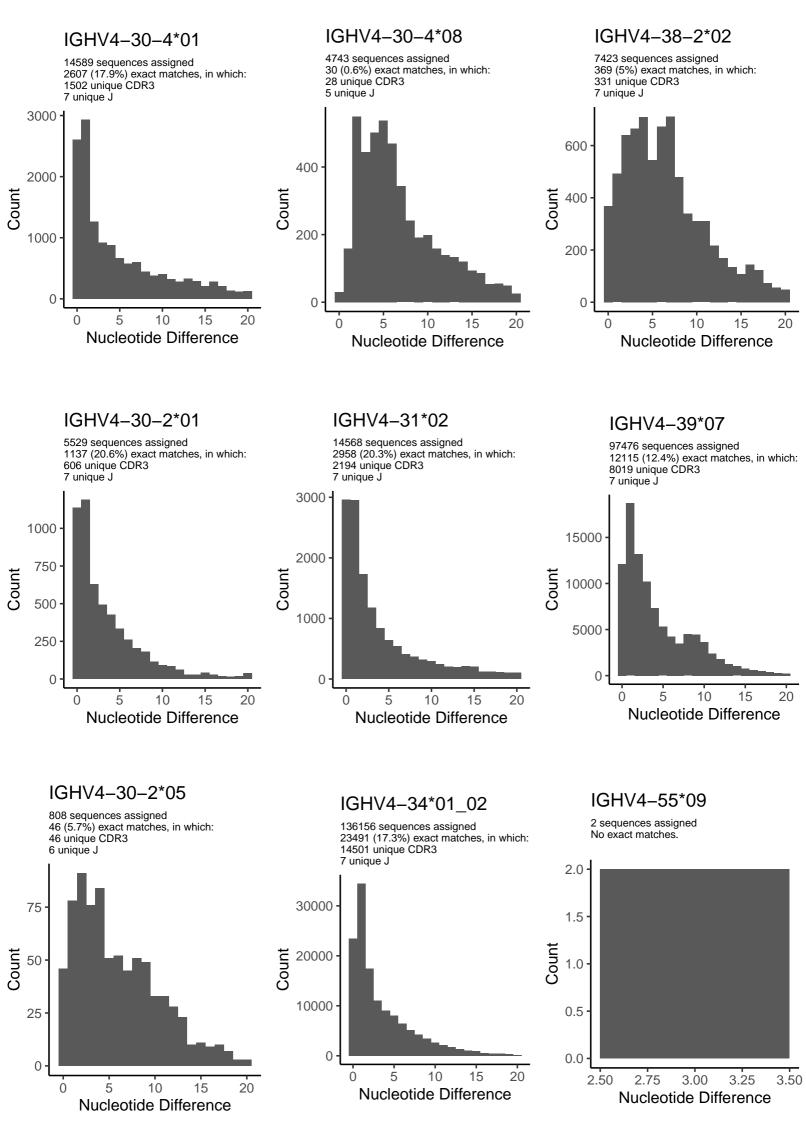








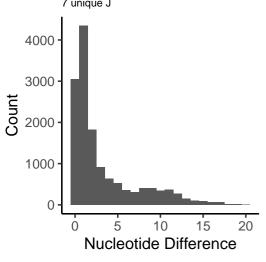




IGHV5-51*04 IGHV4-59*11 IGHV1/OR15-2*02_03 104 sequences assigned 45157 sequences assigned 9913 (22%) exact matches, in which: 2 sequences assigned 31 (29.8%) exact matches, in which: No exact matches. 30 unique CDR3 6911 unique CDR3 4 unique J 7 unique J 1.00 -30 10000 0.75 7500 20 Count Count 0.50 5000 10 0.25 2500 0.00 0 0 15 20 12 13 14 15 16 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV4/OR15-8*01 IGHV5-51*06 IGHV4-59*12 28919 sequences assigned 2074 (7.2%) exact matches, in which: 46 sequences assigned 384 sequences assigned No exact matches. 10 (21.7%) exact matches, in which: 10 unique CDR3 1858 unique CDR3 2 unique J 7 unique J 10.0 3000 20 7.5 2000 Count Count 5.0 10 1000 2.5 0 0.0 0 5 10 20 15 20 5 5 10 10 15 0 Nucleotide Difference **Nucleotide Difference Nucleotide Difference** IGHV5-51*07 IGHV4-61*01 IGHV5-10-1*01_03 91 sequences assigned 28067 sequences assigned 3217 (11.5%) exact matches, in which: 21236 sequences assigned 5206 (24.5%) exact matches, in which: 30 (33%) exact matches, in which: 30 unique CDR3 2559 unique CDR3 4092 unique CDR3 6 unique J 7 unique J 7 unique J 30 3000 4000 20 Count Count 2000 2000 10 1000 0 0 0 10 0 10 15 20 0 10 15 20 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference

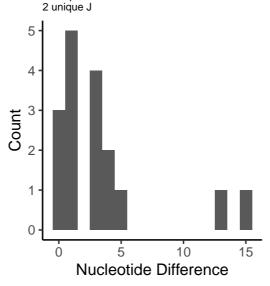
IGHV6-1*01_02

14332 sequences assigned 3056 (21.3%) exact matches, in which: 1847 unique CDR3 7 unique J



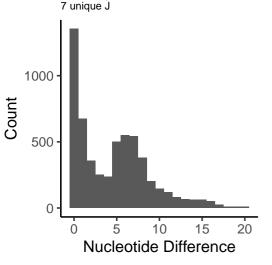
IGHV7-4-1*01

17 sequences assigned 3 (17.6%) exact matches, in which: 2 unique CDR3



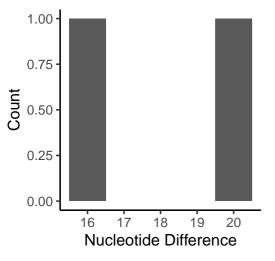
IGHV6-1*01_02_A315G

5697 sequences assigned 1354 (23.8%) exact matches, in which: 1319 unique CDR3

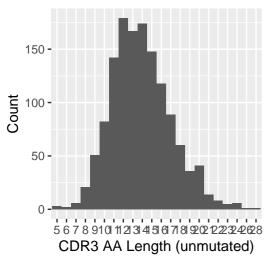


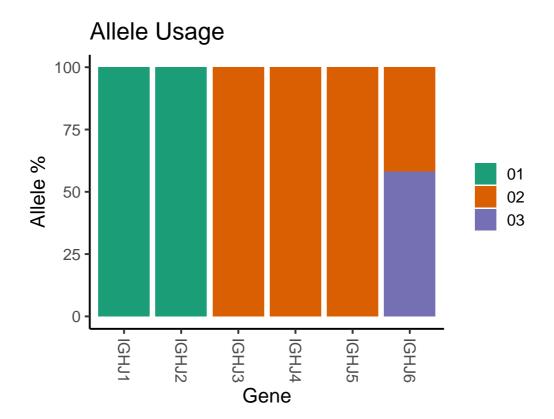
IGHV3/OR16-10*01_03

2 sequences assigned No exact matches.



IGHV6-1*01_02_A315G





Sequence Count by IGHJ6 allele usage

