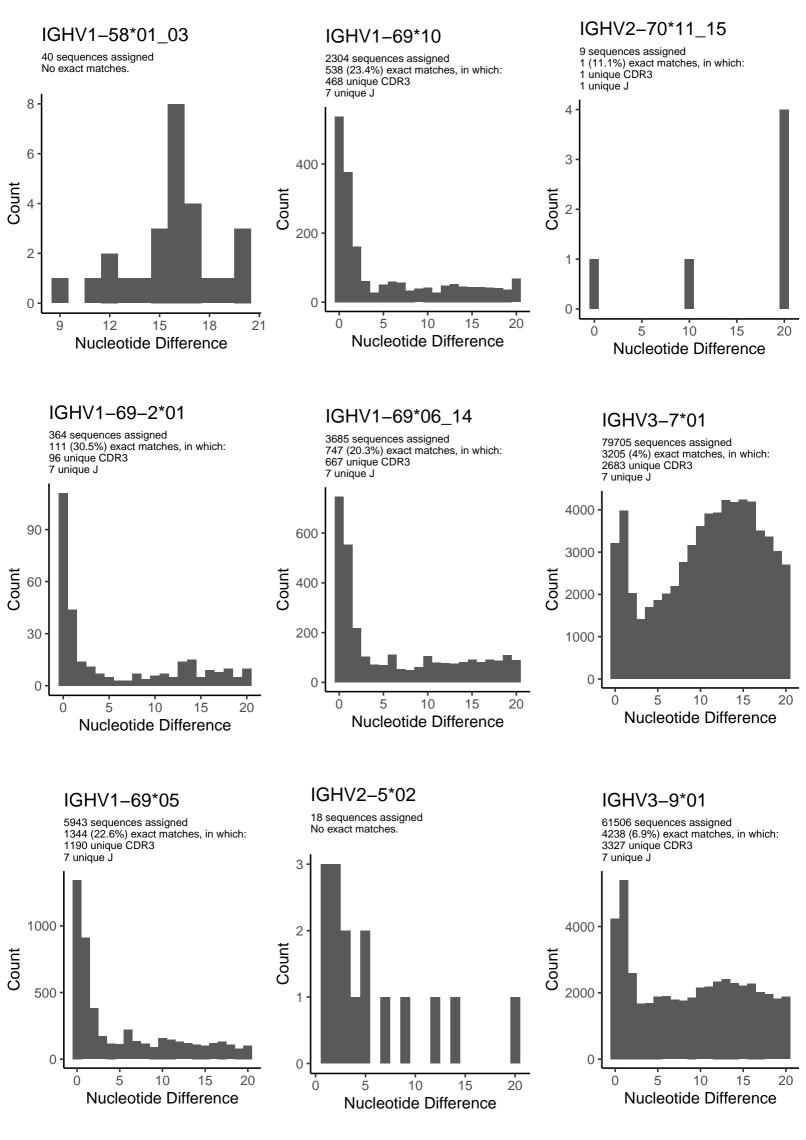
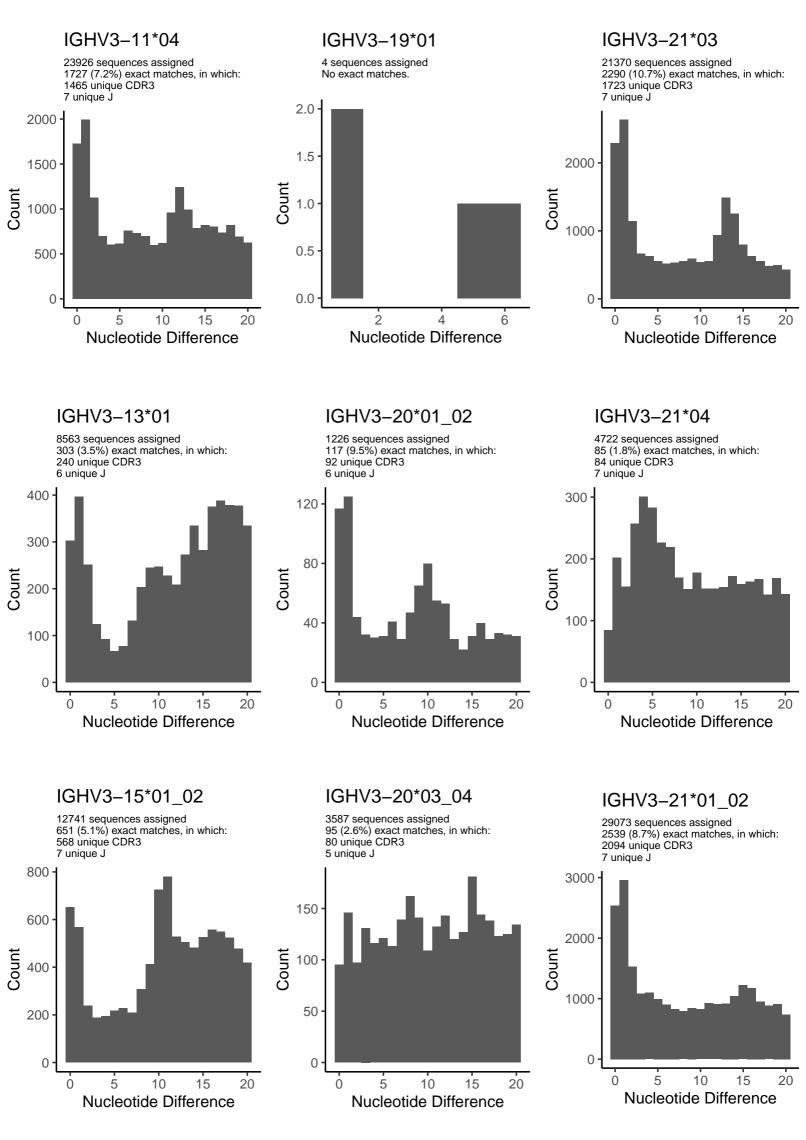
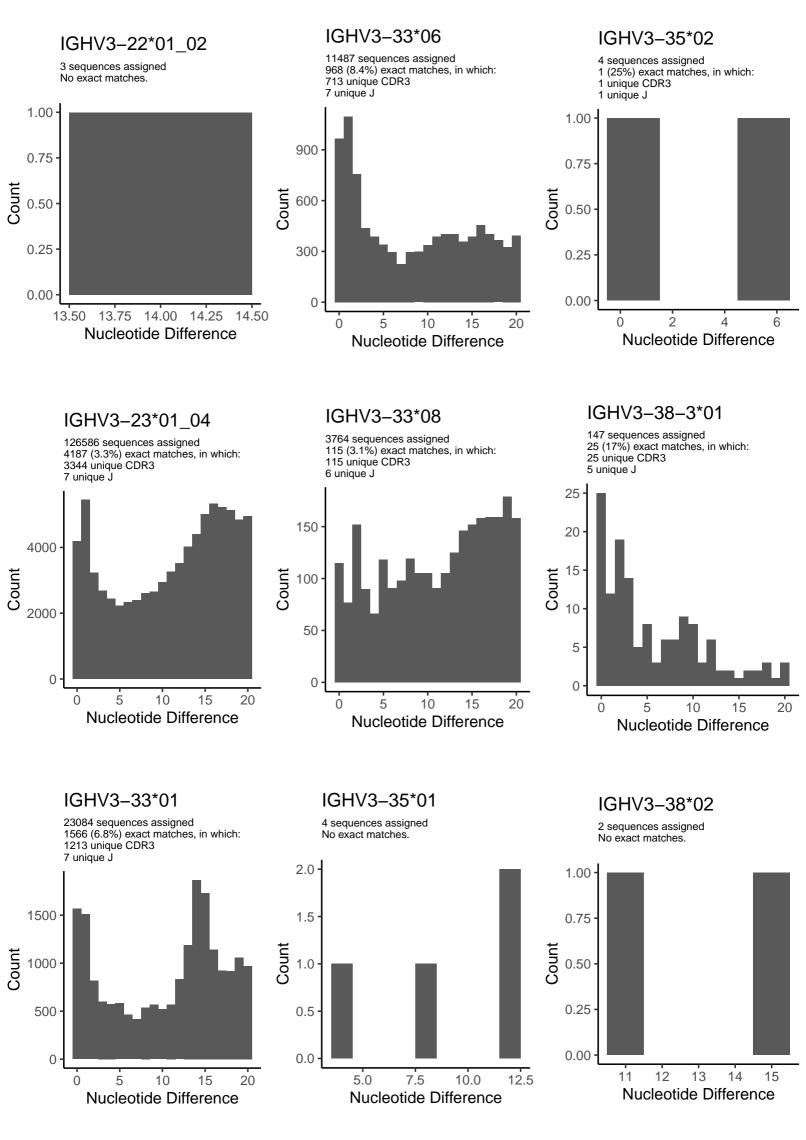
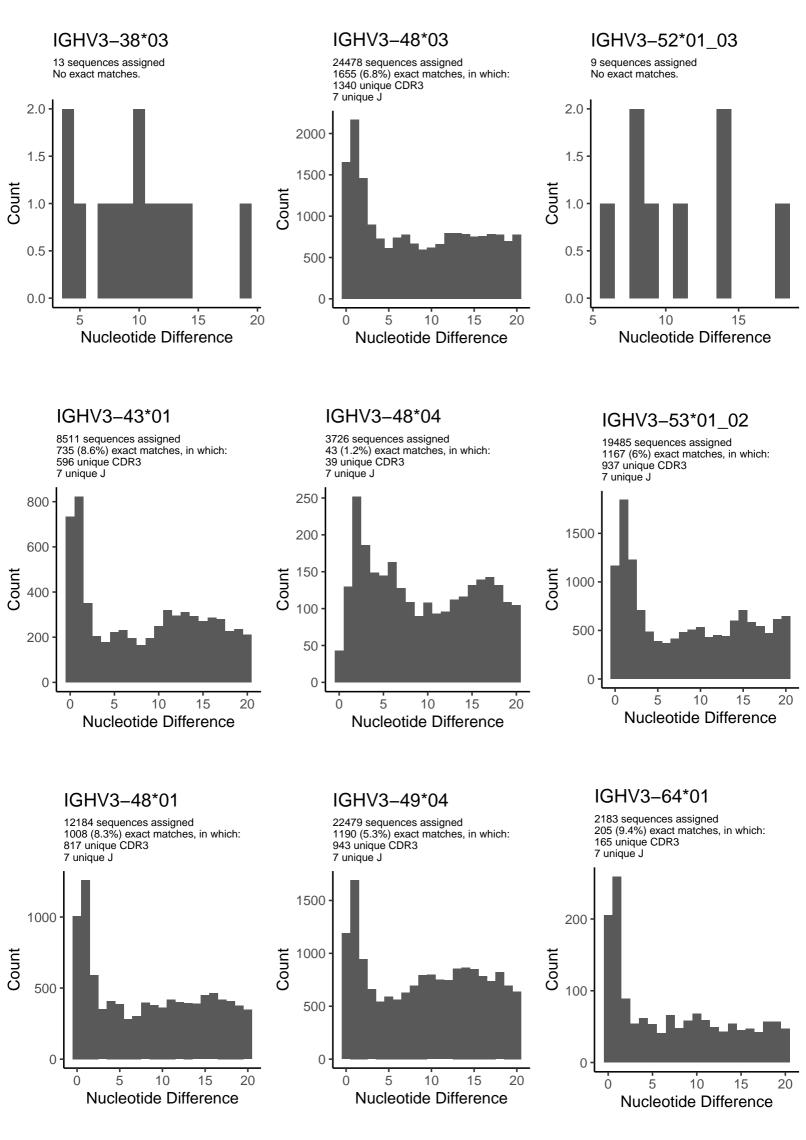
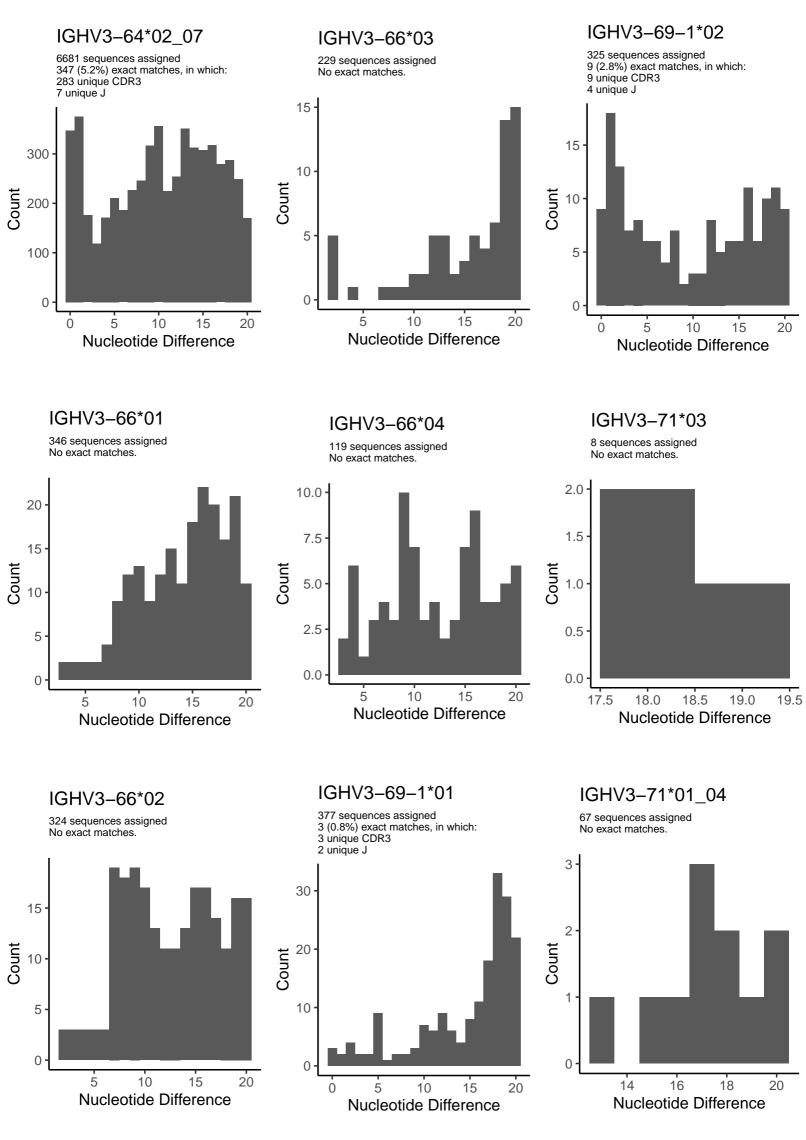
#### IGHV1-45\*02 IGHV1-8\*02\_A250G IGHV1-2\*02 56 sequences assigned 5 (8.9%) exact matches, in which: 3 unique CDR3 17168 sequences assigned 2779 (16.2%) exact matches, in which: 4008 sequences assigned 1066 (26.6%) exact matches, in which: 906 unique CDR3 2376 unique CDR3 2 unique J 7 unique J 7 unique J 900 2000 Count Count 600 2 1000 300 1 0 0 0 0 10 15 20 5 10 15 20 0 10 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV1-3\*03 IGHV1-18\*01 IGHV1-46\*01 656 sequences assigned 33896 sequences assigned 5062 (14.9%) exact matches, in which: 9632 sequences assigned 1368 (14.2%) exact matches, in which: 78 (11.9%) exact matches, in which: 71 unique CDR3 4001 unique CDR3 1183 unique CDR3 6 unique J 7 unique J 7 unique J 80 60 4000 1000 Count Count 2000 500 20 0 0 0 10 15 20 0 10 15 20 10 15 0 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-58\*02 IGHV1-24\*01 IGHV1-8\*02 119 sequences assigned 7446 sequences assigned 1542 (20.7%) exact matches, in which: 787 sequences assigned 19 (16%) exact matches, in which: 260 (33%) exact matches, in which: 19 unique CDR3 231 unique CDR3 1287 unique CDR3 4 unique J 7 unique J 7 unique J 1500 200 1000 Count Count 10 100 500 5 0 0 0 10 15 20 20 5 10 15 0 5 10 15 Nucleotide Difference **Nucleotide Difference Nucleotide Difference**

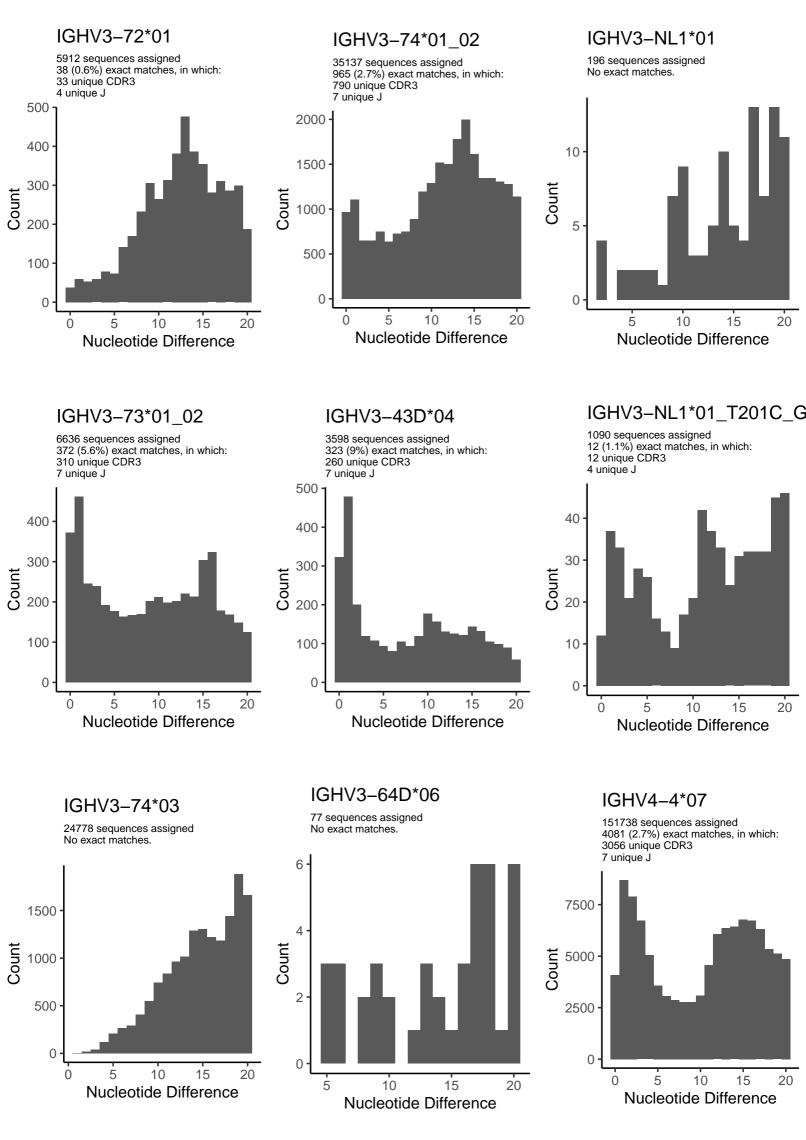


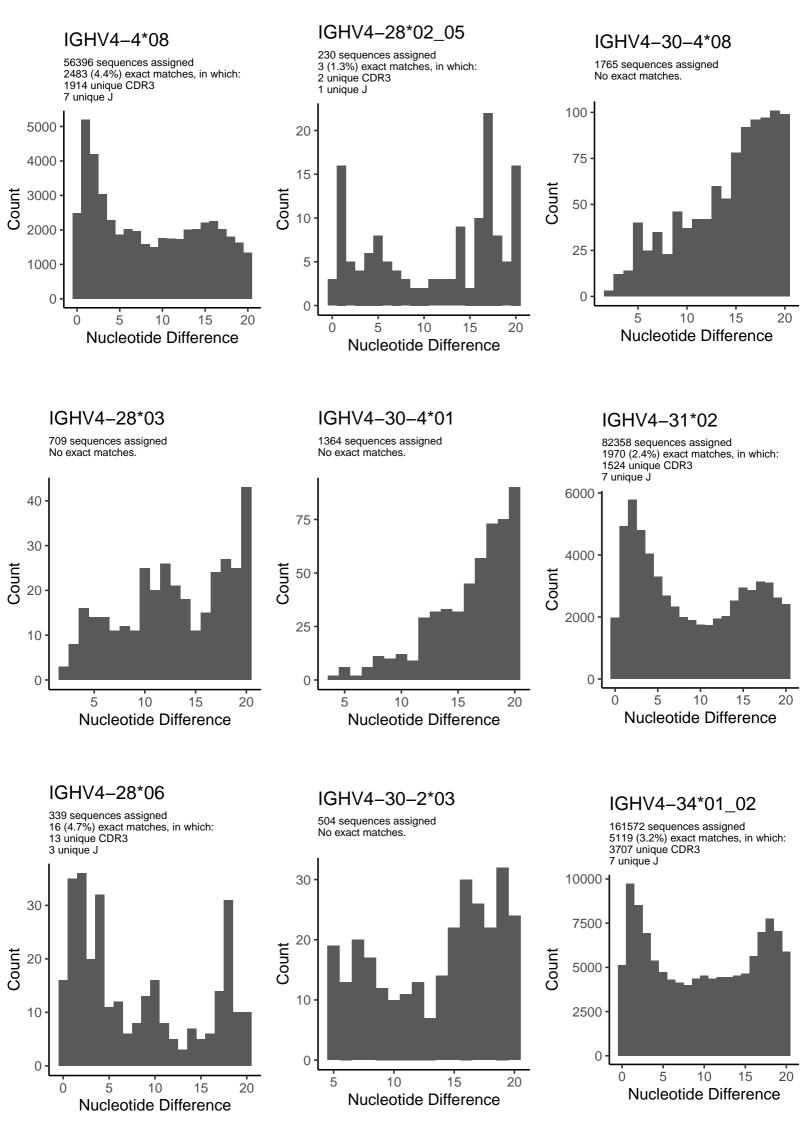


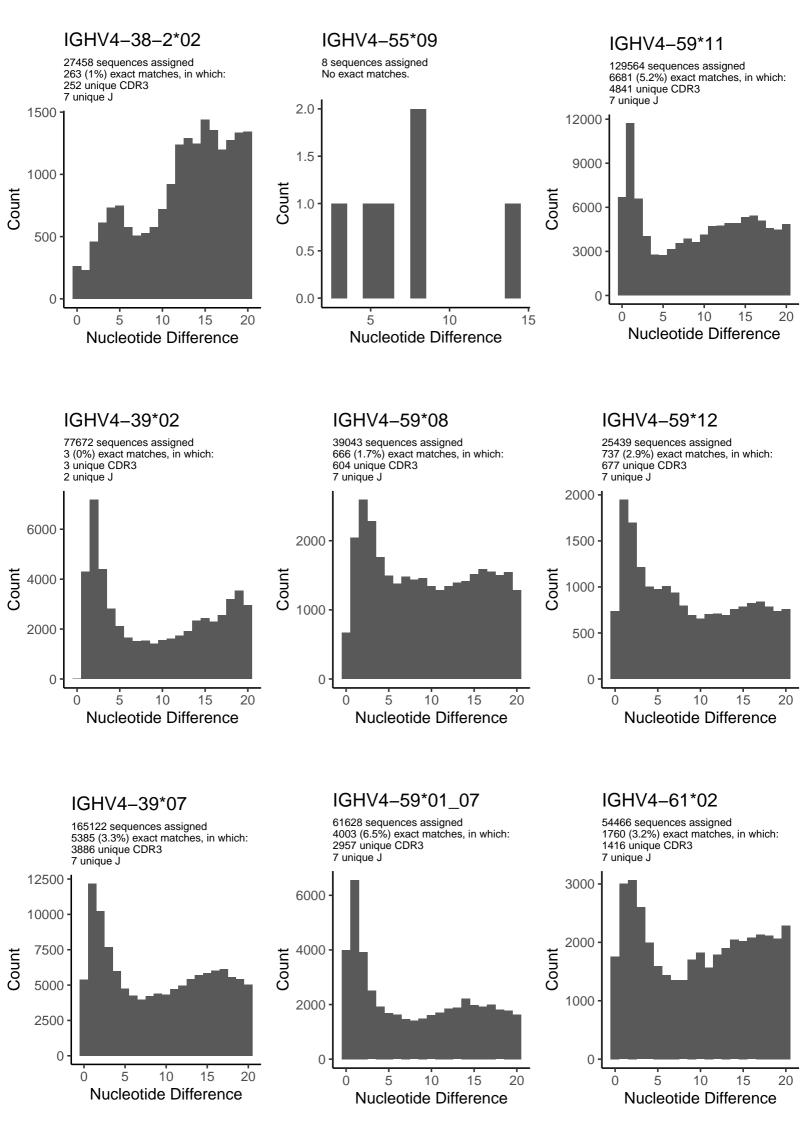


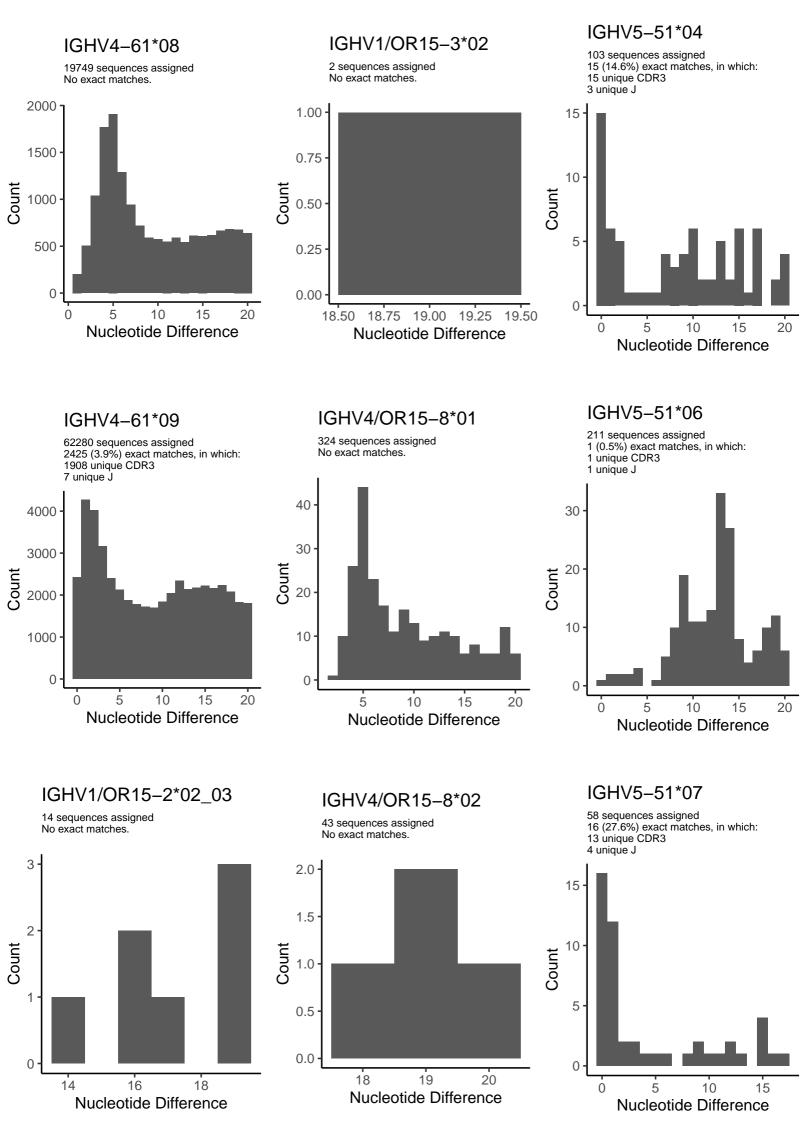






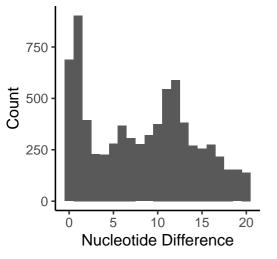






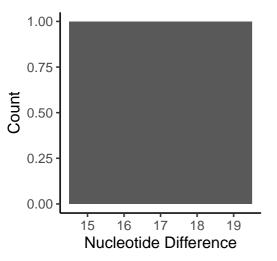
## IGHV6-1\*01\_02

8014 sequences assigned 688 (8.6%) exact matches, in which: 511 unique CDR3 7 unique J



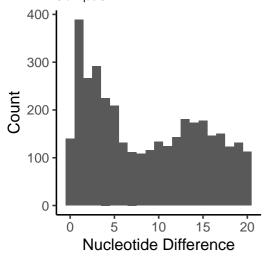
### IGHV3/OR16-13\*01

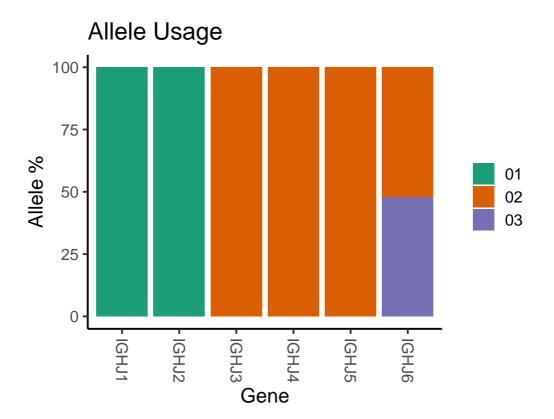
9 sequences assigned No exact matches.



### IGHV7-4-1\*02

4570 sequences assigned 140 (3.1%) exact matches, in which: 128 unique CDR3 6 unique J





# Sequence Count by IGHJ6 allele usage

