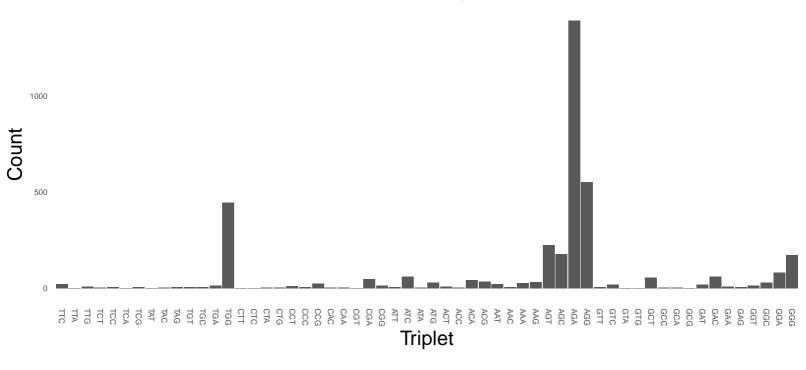
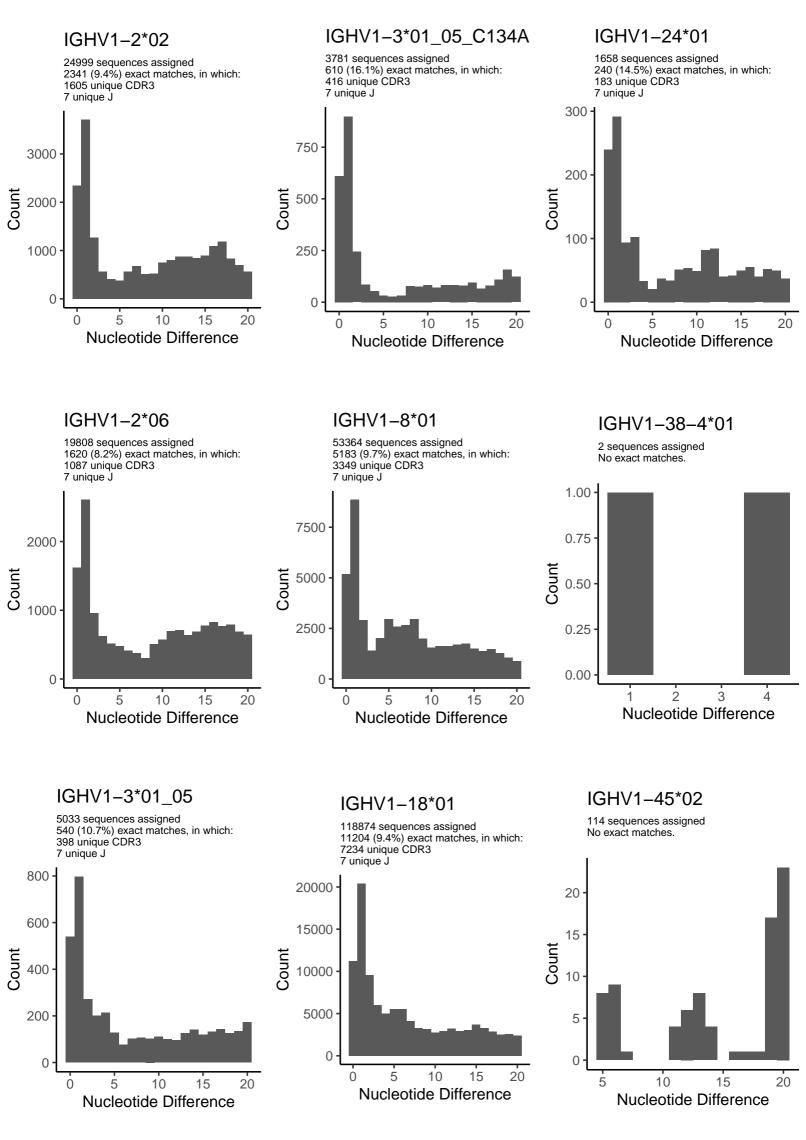




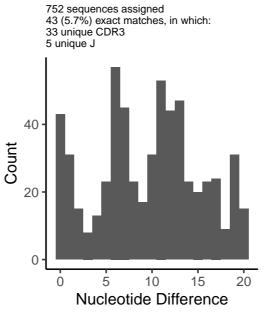
IGHV1-3*01_05_C134A- Final 3 nucleotides as a triplet



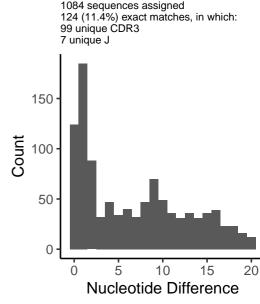


30418 sequences assigned 2415 (7.9%) exact matches, in which: 1660 unique CDR3 7 unique J 4000 3000 Count 2000 1000 0 10 0 15 20 Nucleotide Difference

IGHV1-46*01

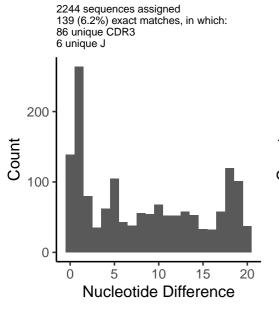


IGHV1-69-2*01

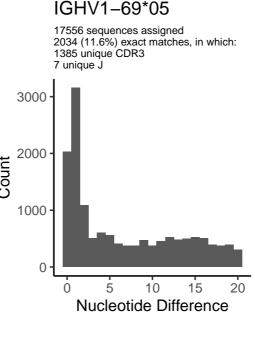


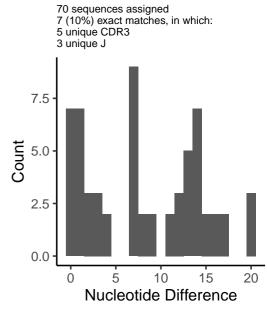
IGHV2-5*01

1084 sequences assigned

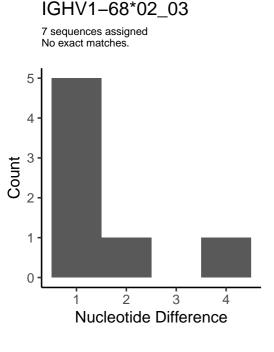


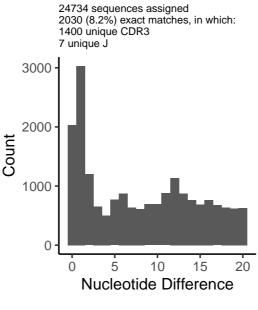
IGHV1-58*02



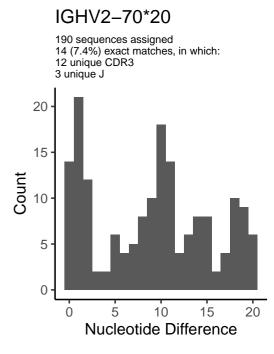


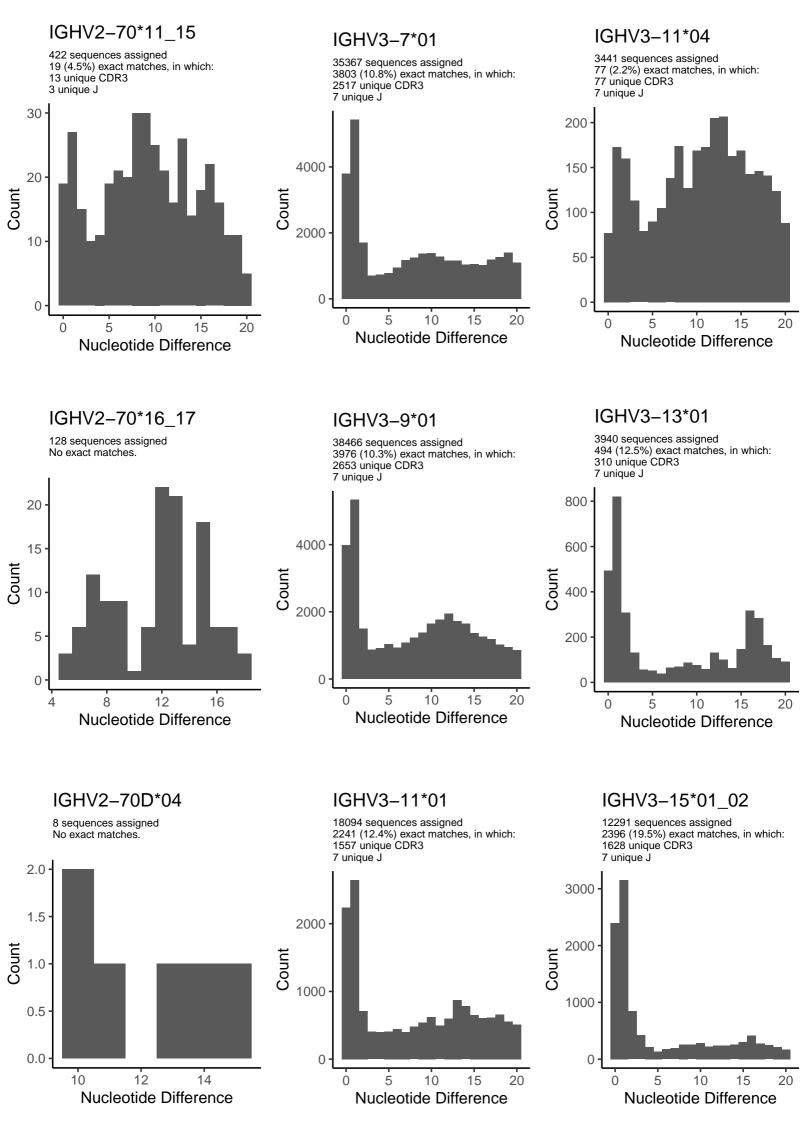
IGHV2-26*01

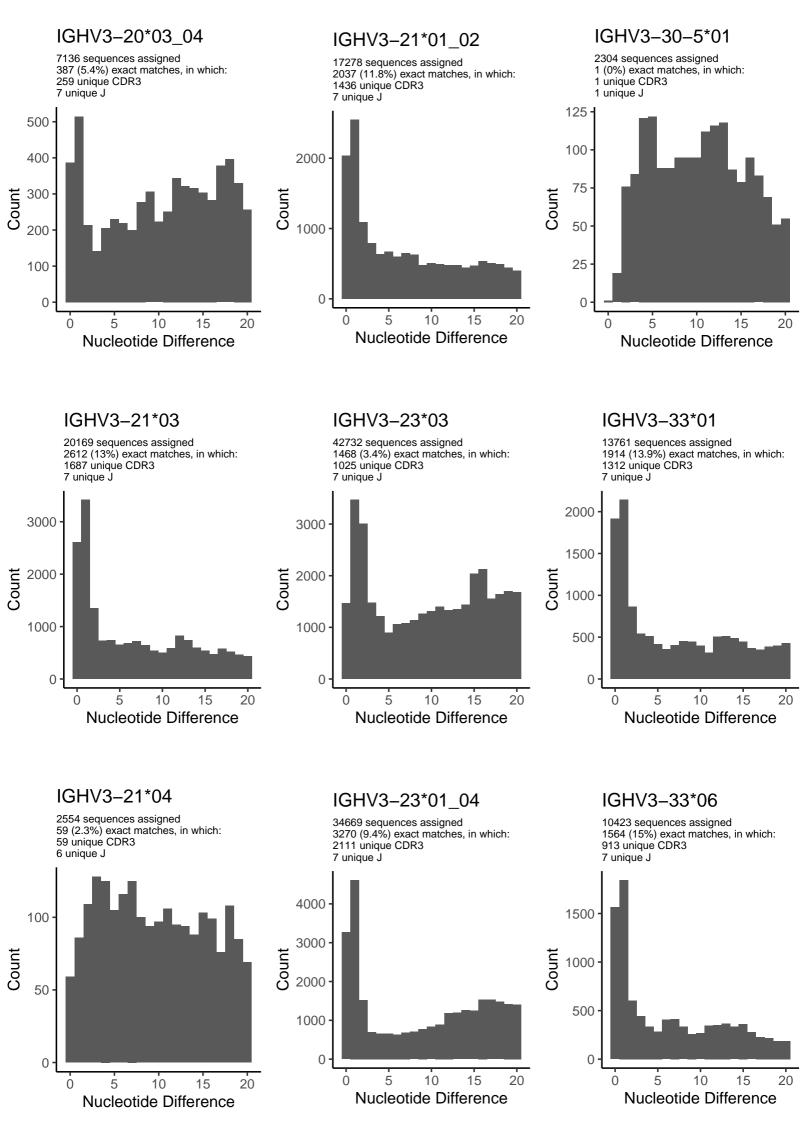


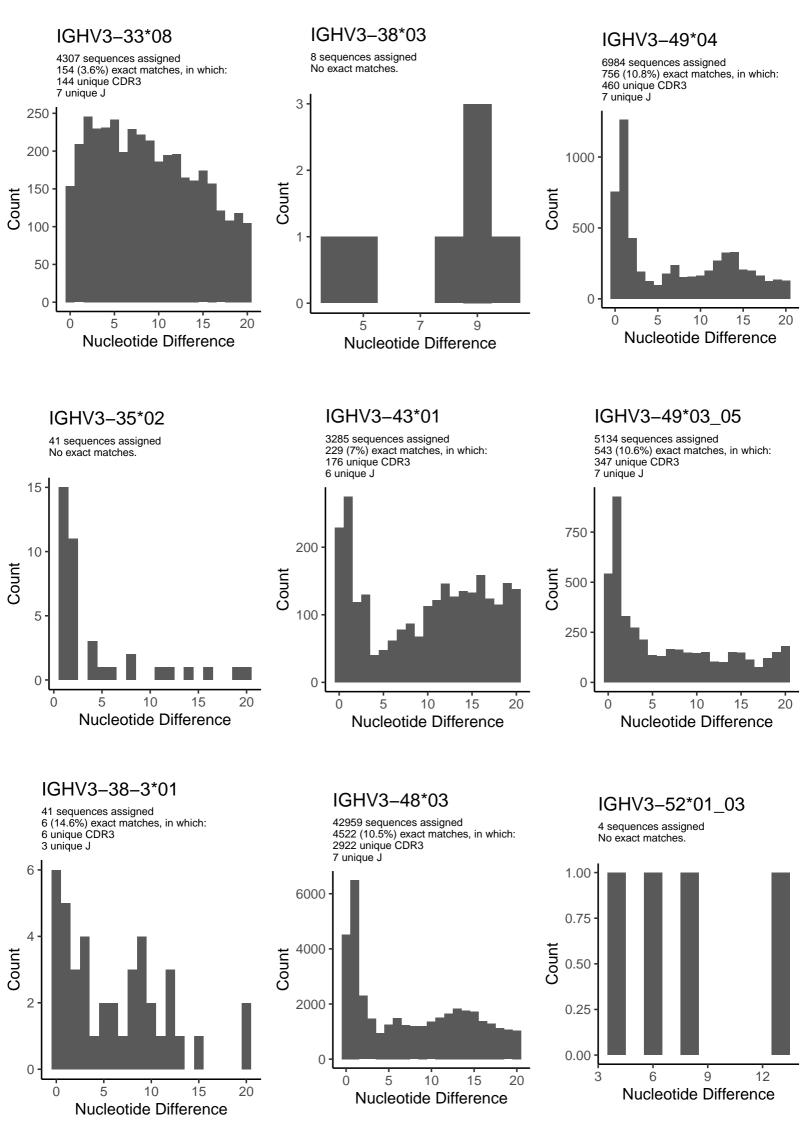


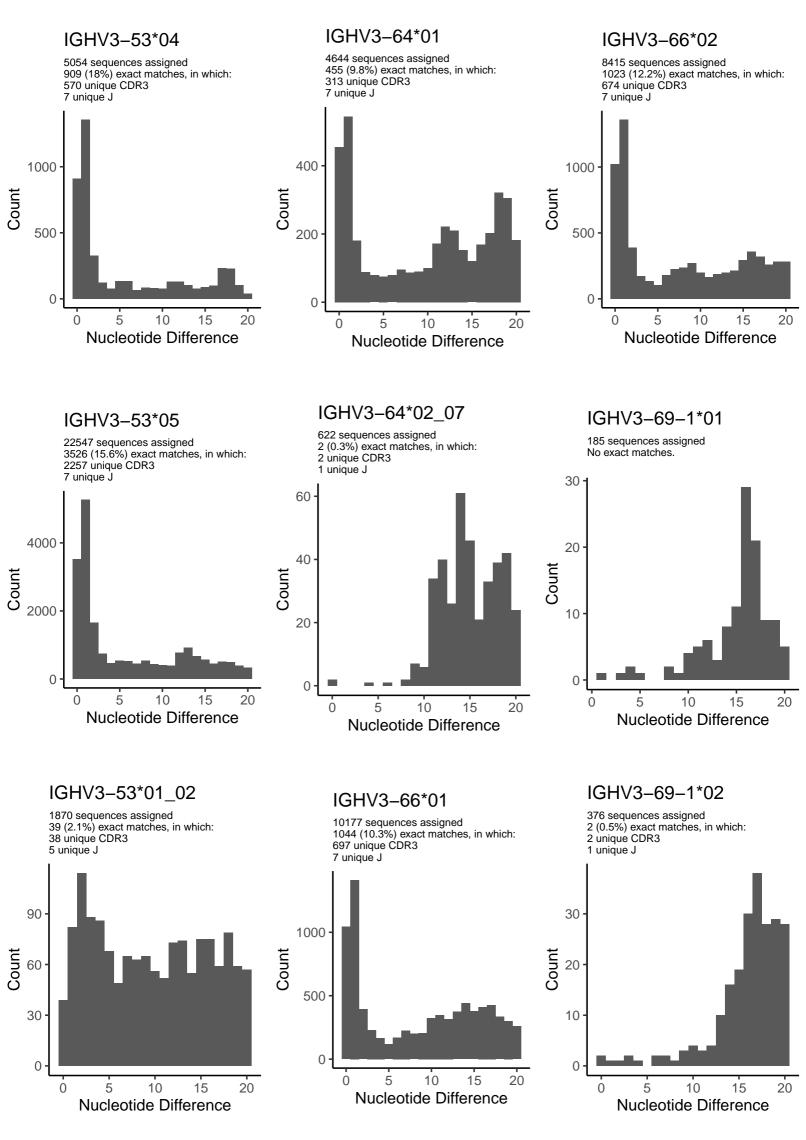
IGHV1-69*01_12_13

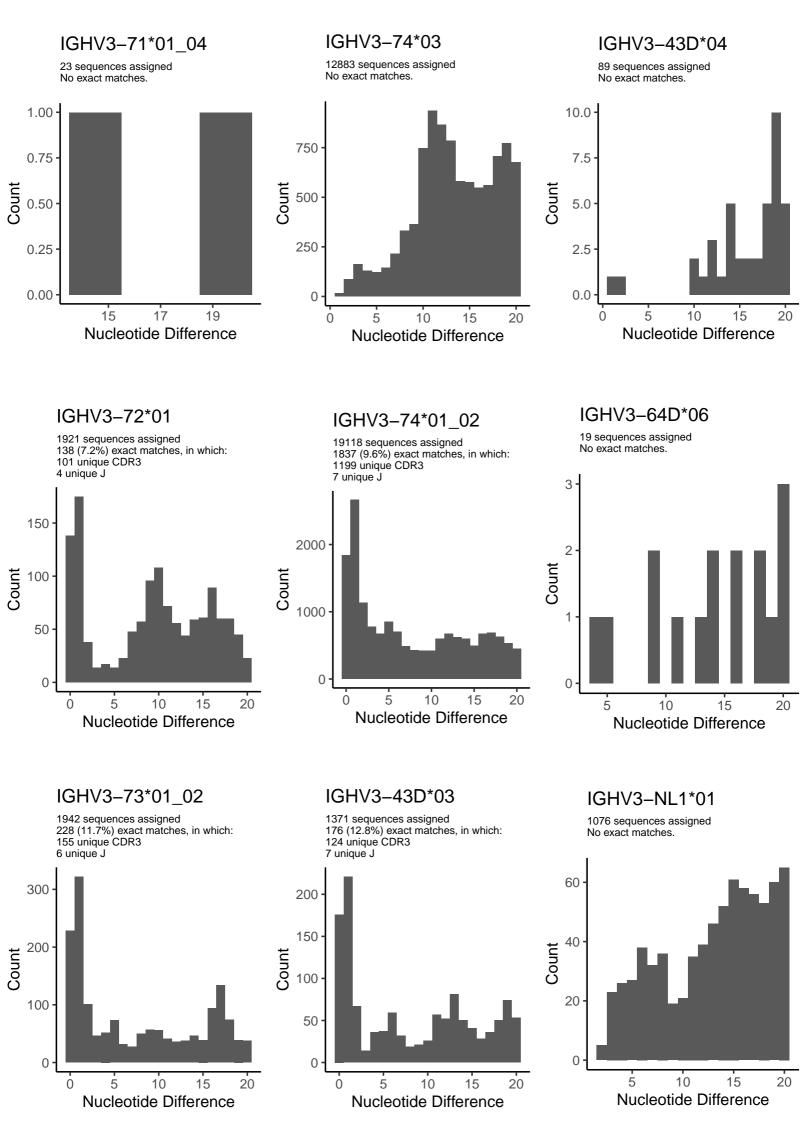


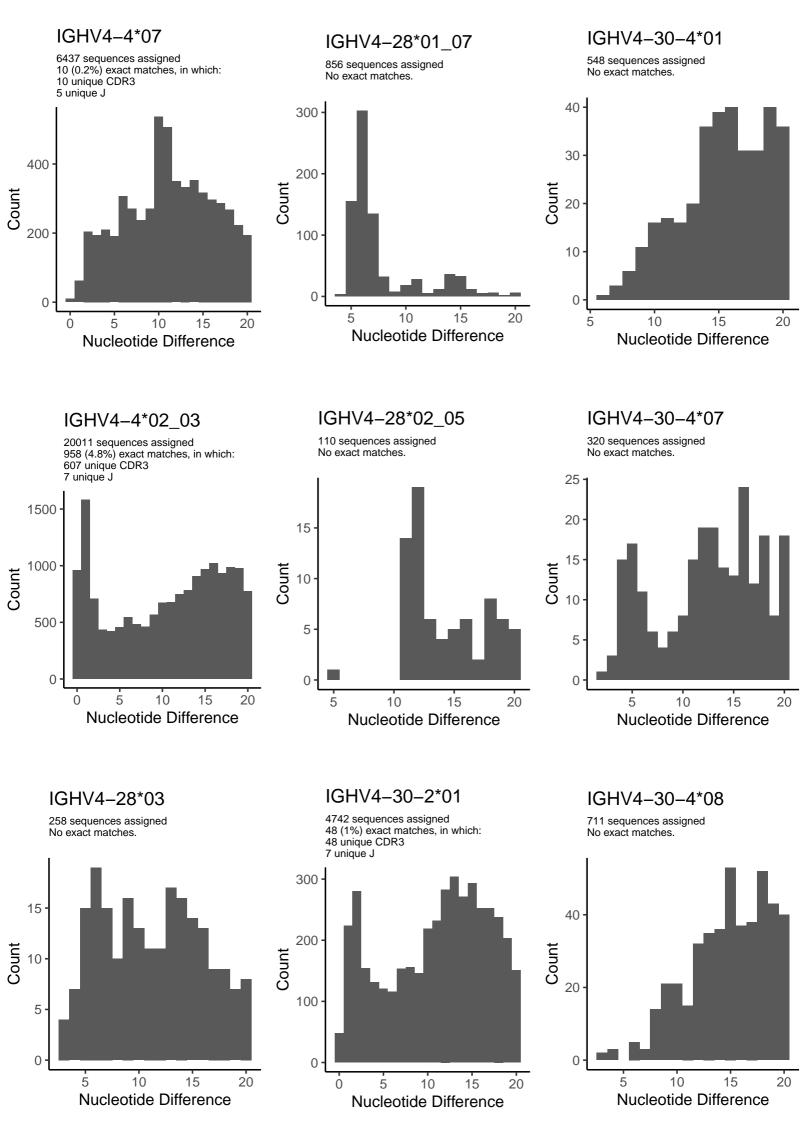


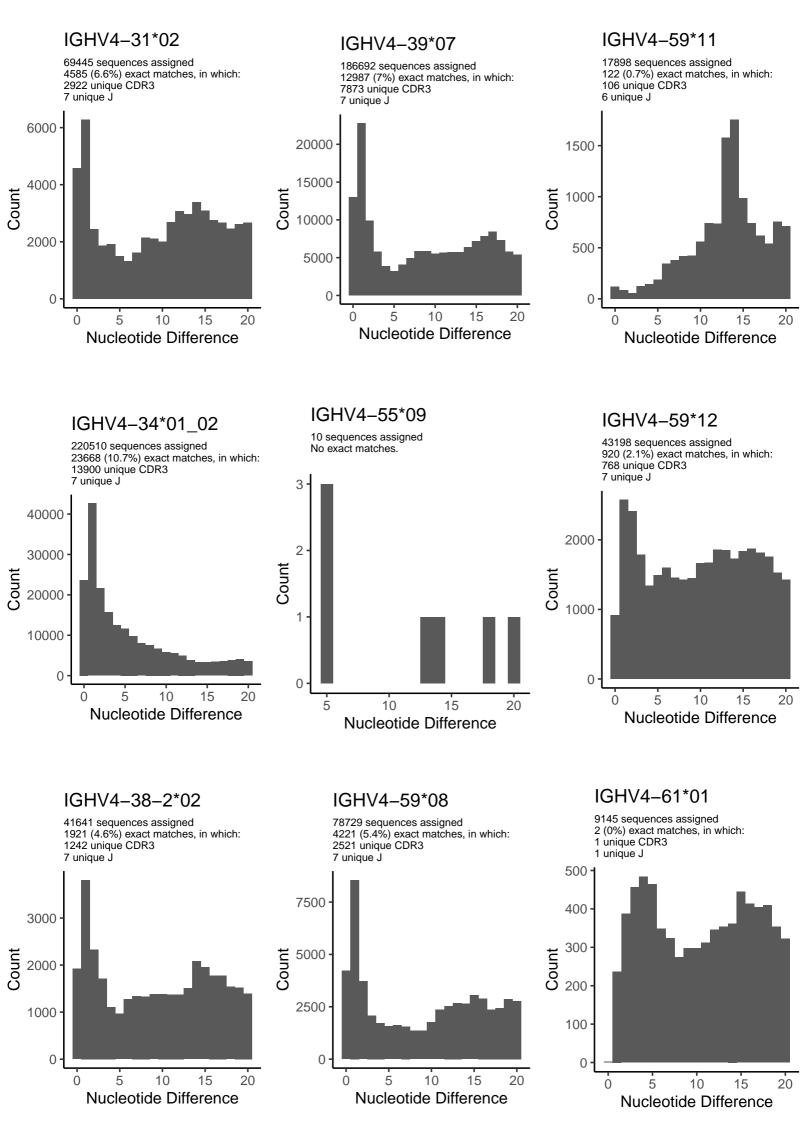


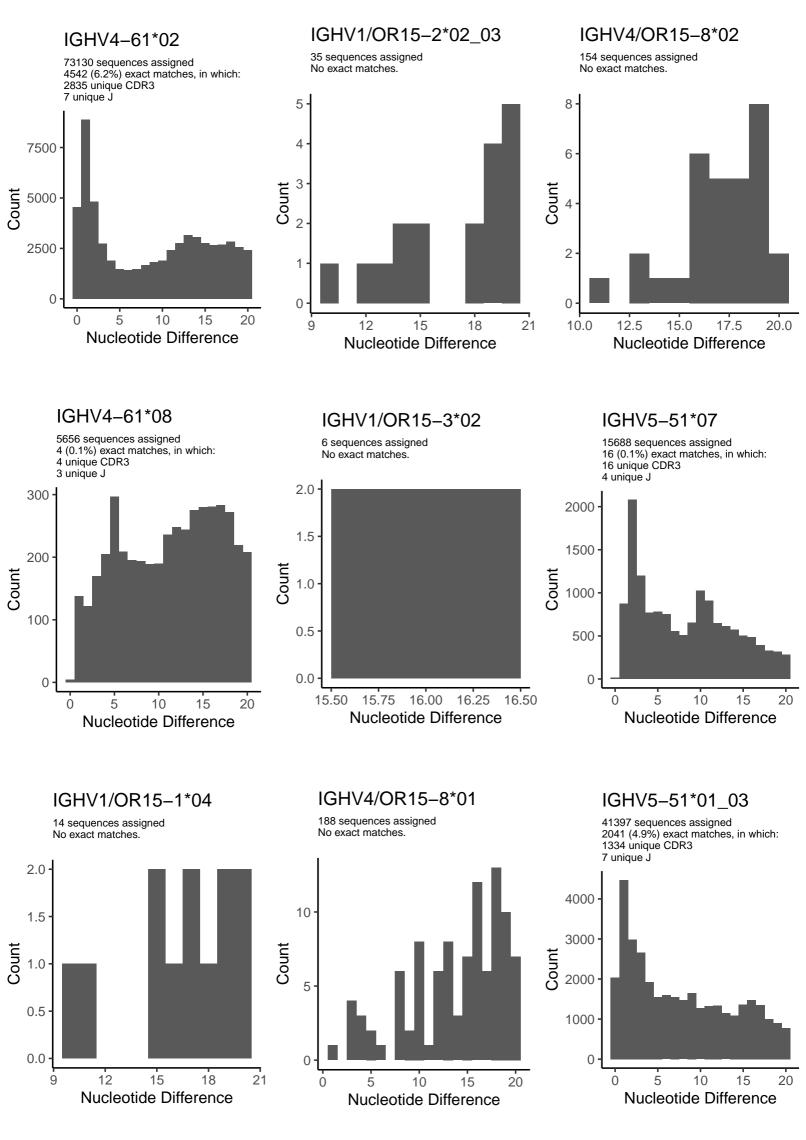












IGHV5-78*01 IGHV7-81*01 1 sequences assigned 48 sequences assigned No exact matches. No exact matches. 1.00 -1.00 -0.75 0.75 Count Count Count 0.50 0.25 0.25 0.00 0.00 8.50 8.75 9.00 9.25 9.50 17.50 17.75 18.00 18.25 18.50 **Nucleotide Difference Nucleotide Difference**

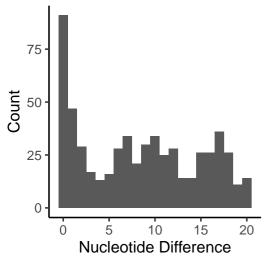
IGHV6-1*01_02

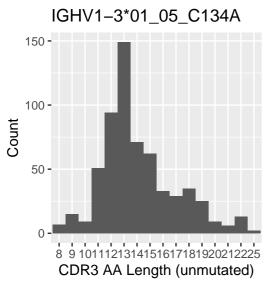
9496 sequences assigned 876 (9.2%) exact matches, in which: 546 unique CDR3 7 unique J

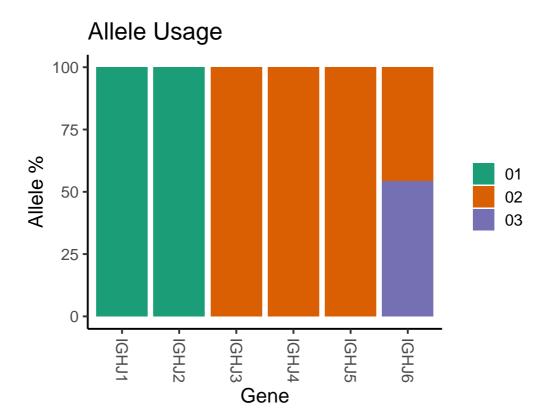
Nucleotide Difference

IGHV7-4-1*02

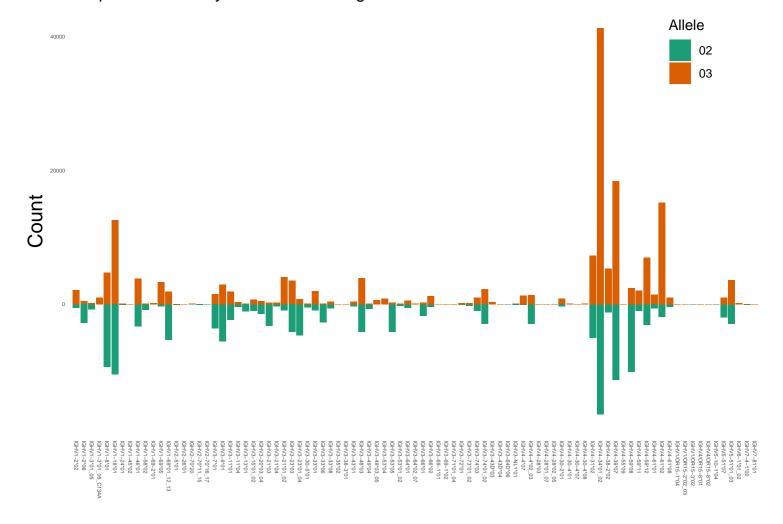
790 sequences assigned 91 (11.5%) exact matches, in which: 83 unique CDR3 5 unique J







Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found.