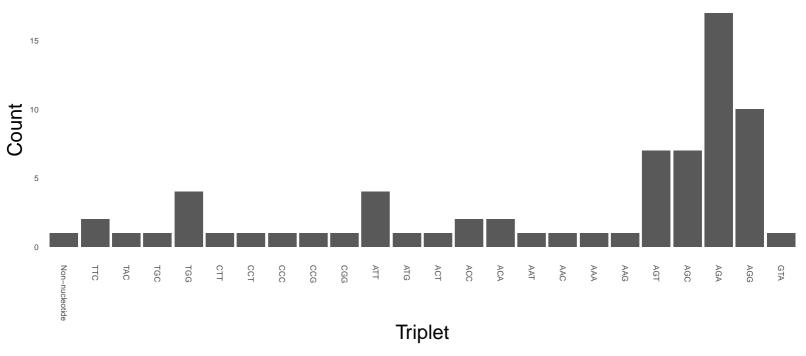
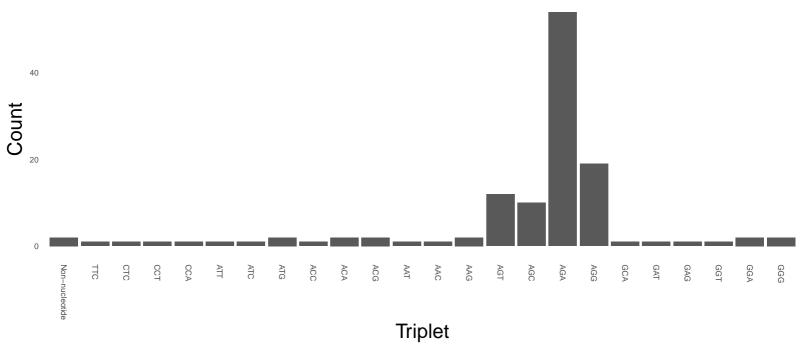
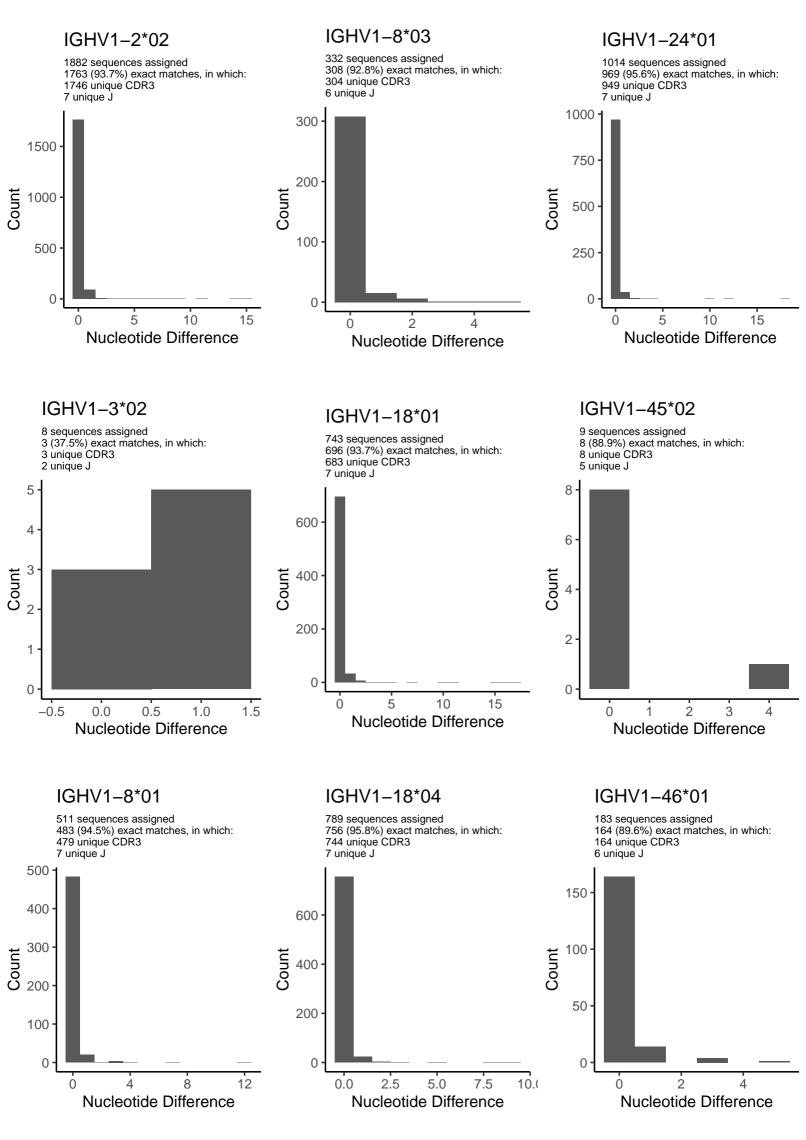


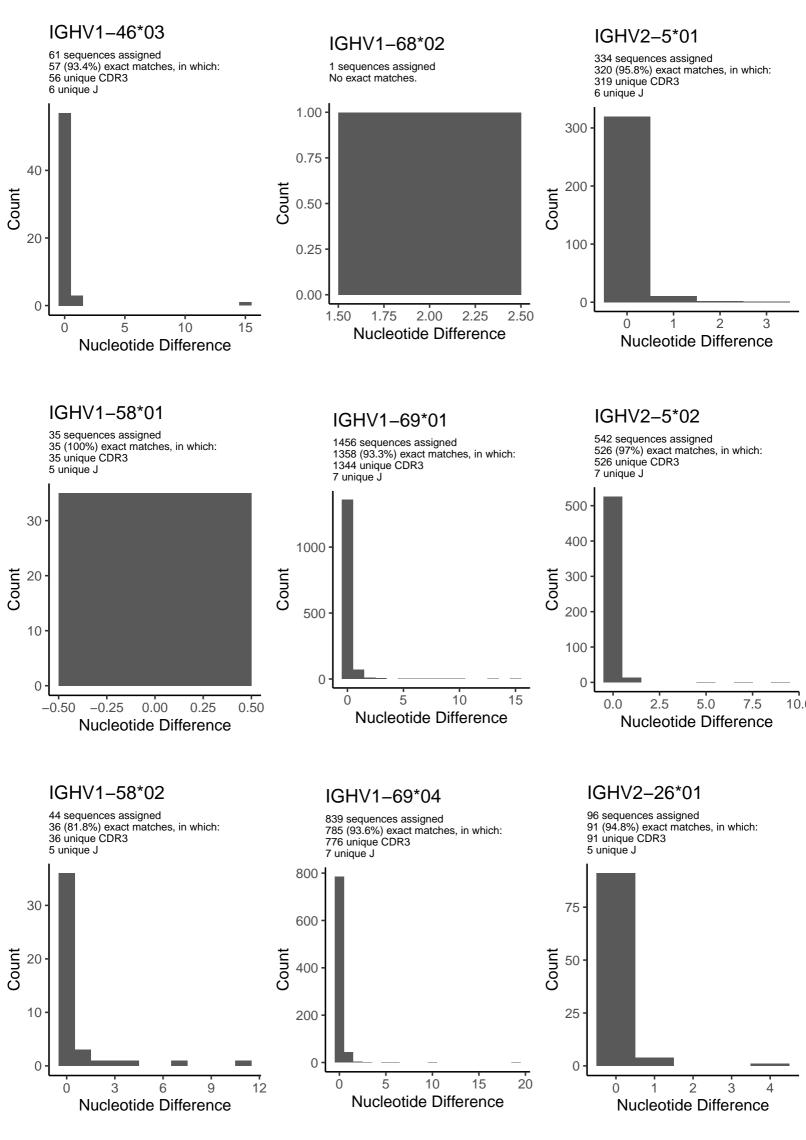
IGHV3-53\*04\_G37A- Final 3 nucleotides as a triplet

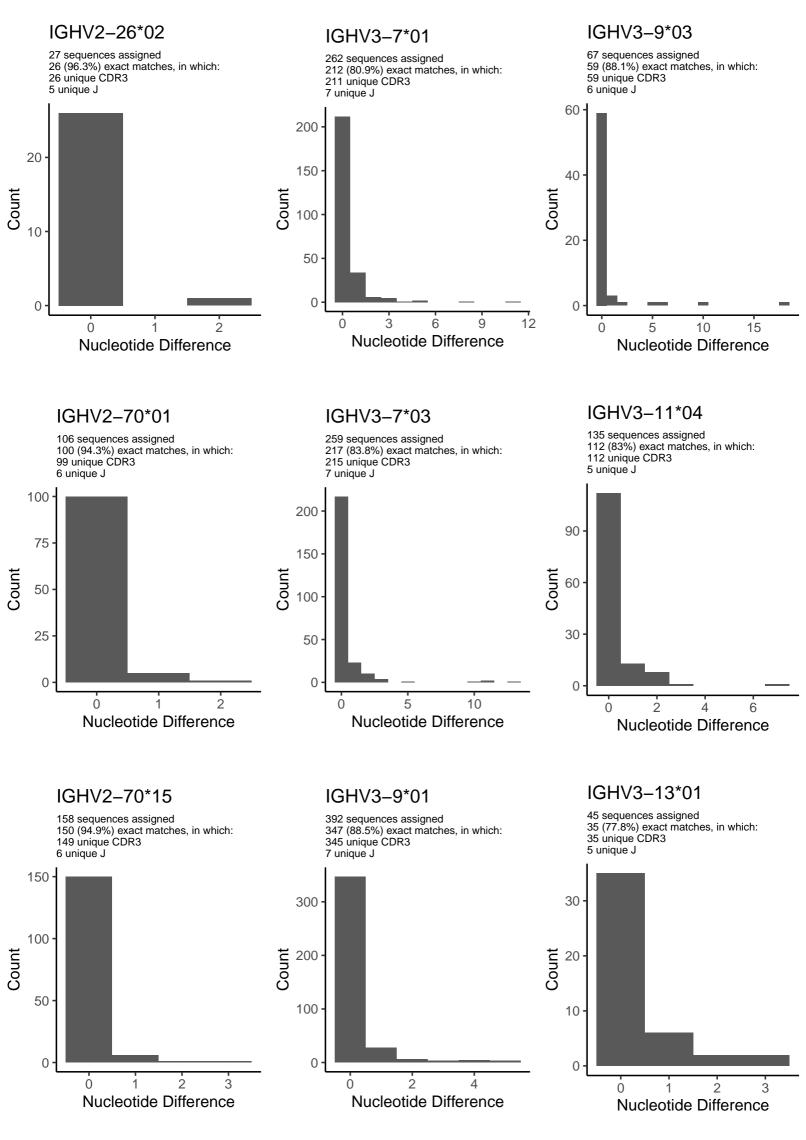


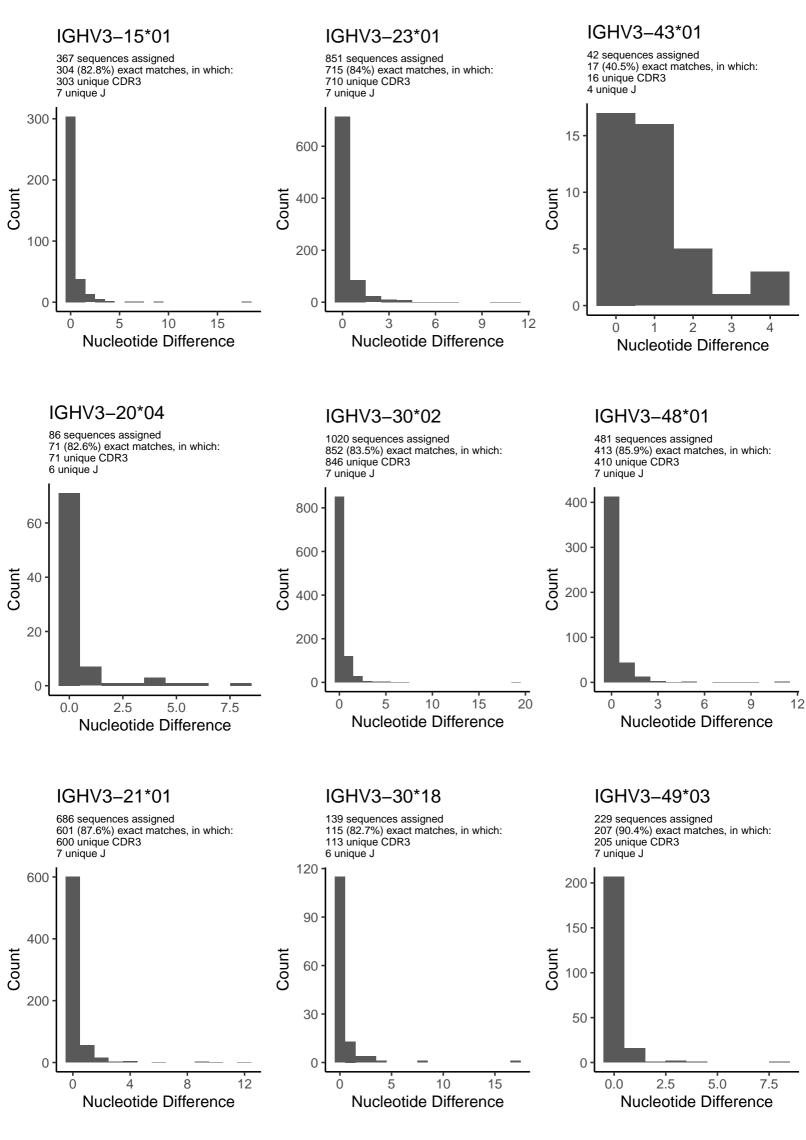
IGHV4-4\*07\_A70G- Final 3 nucleotides as a triplet

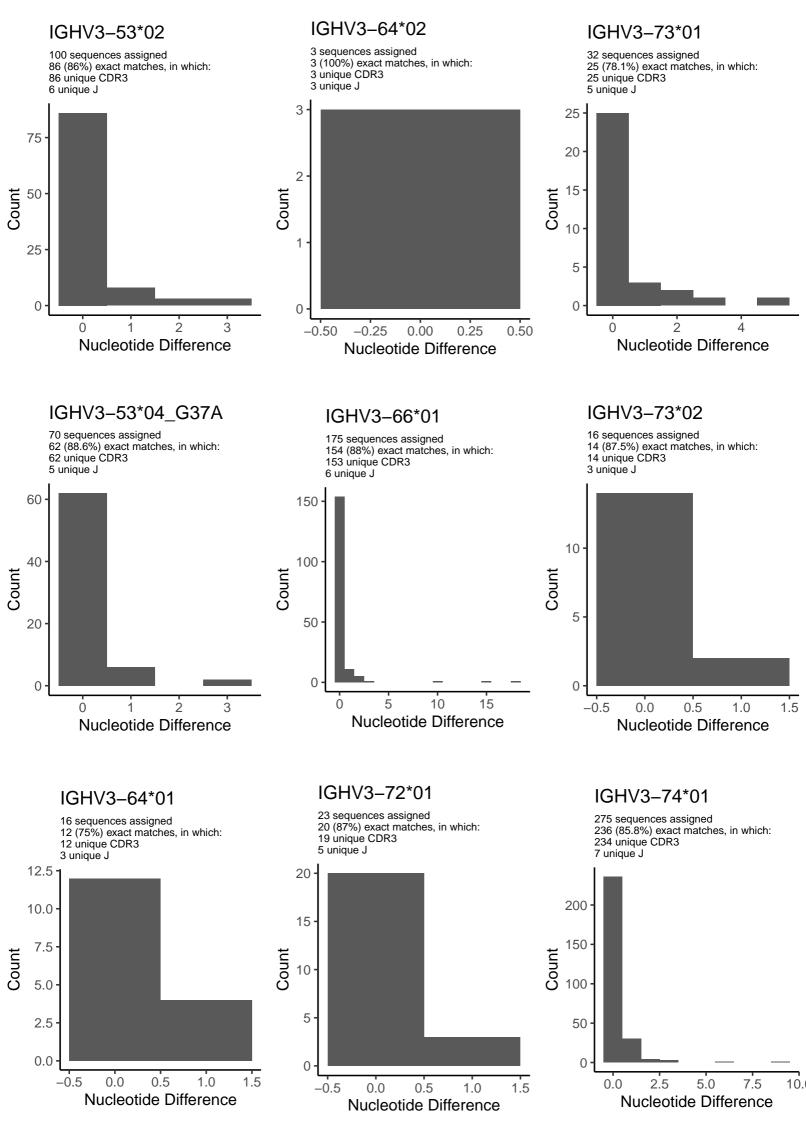


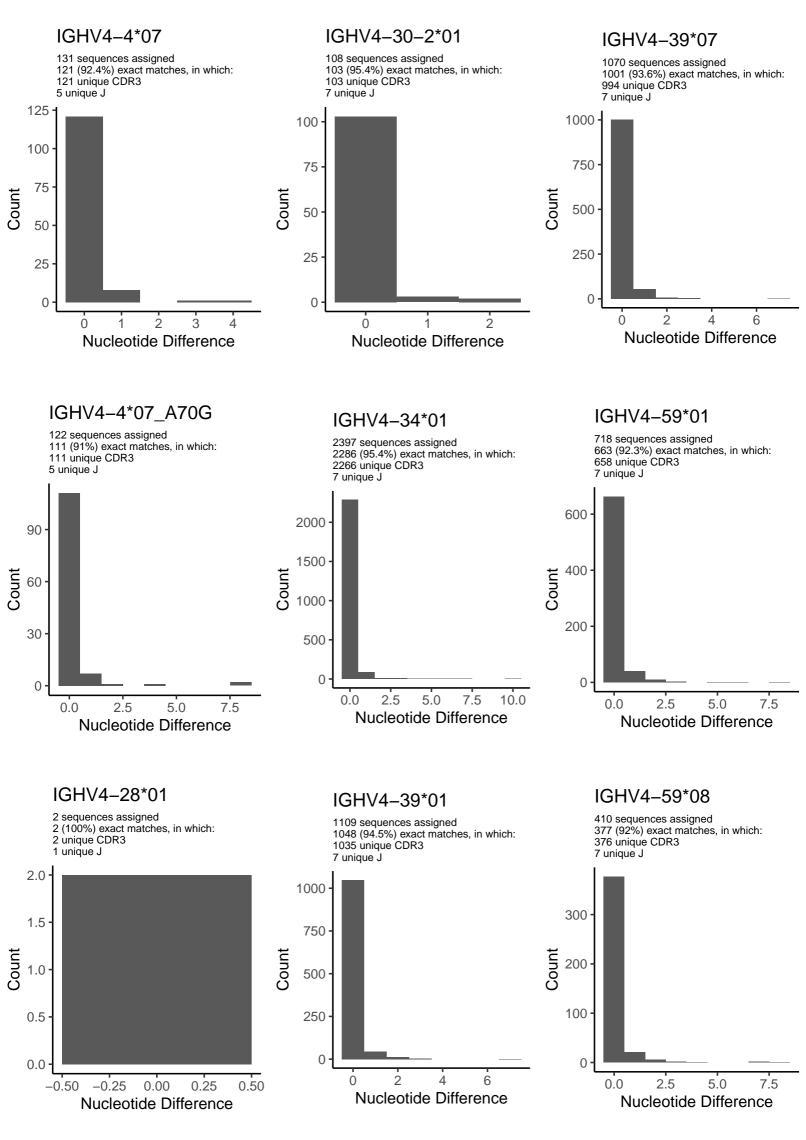












## IGHV4-61\*01 IGHV6-1\*01 79 sequences assigned 72 (91.1%) exact matches, in which: 297 sequences assigned 284 (95.6%) exact matches, in which: 280 unique CDR3 7 unique J 72 unique CDR3 6 unique J 60 200 Count 40 100 20 0 0 0 4 8 **Nucleotide Difference** Nucleotide Difference IGHV5-51\*01 IGHV7-81\*01 327 sequences assigned 1 (0.3%) exact matches, in which: sequences assigned 1 (100%) exact matches, in which: 1 unique CDR3 1 unique CDR3 1 unique J 1 unique J 1.00 300 0.75 200 Count Count Count 100 0.25

0.00

-0.50

-0.25

0.00

**Nucleotide Difference** 

0.25

0.50

## IGHV5-51\*03

8

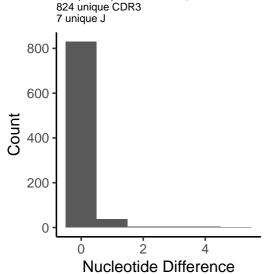
**Nucleotide Difference** 

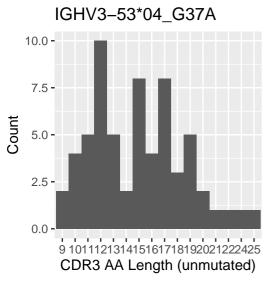
878 sequences assigned 830 (94.5%) exact matches, in which:

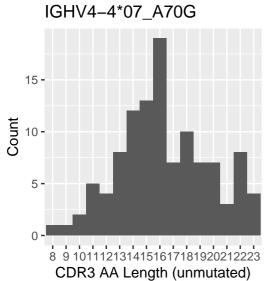
12

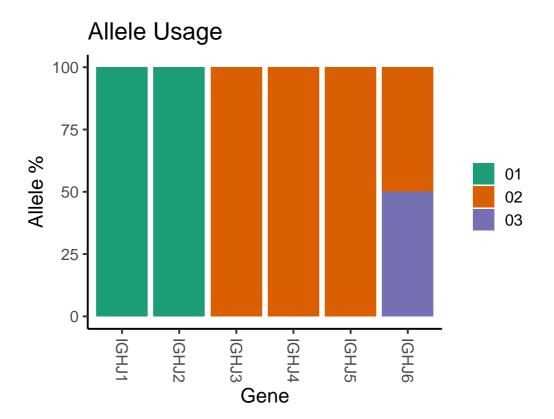
0

0









## Sequence Count by IGHJ6 allele usage

