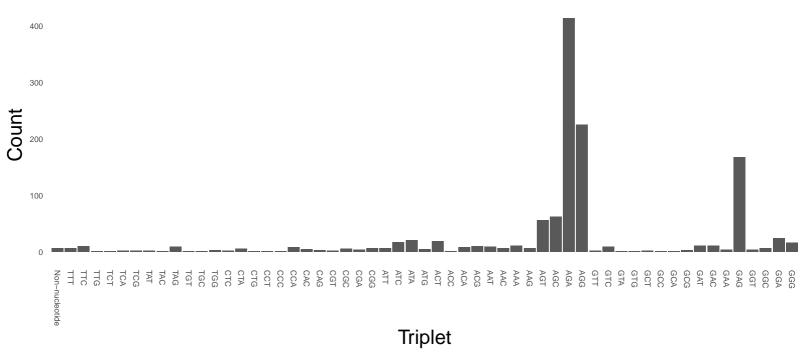
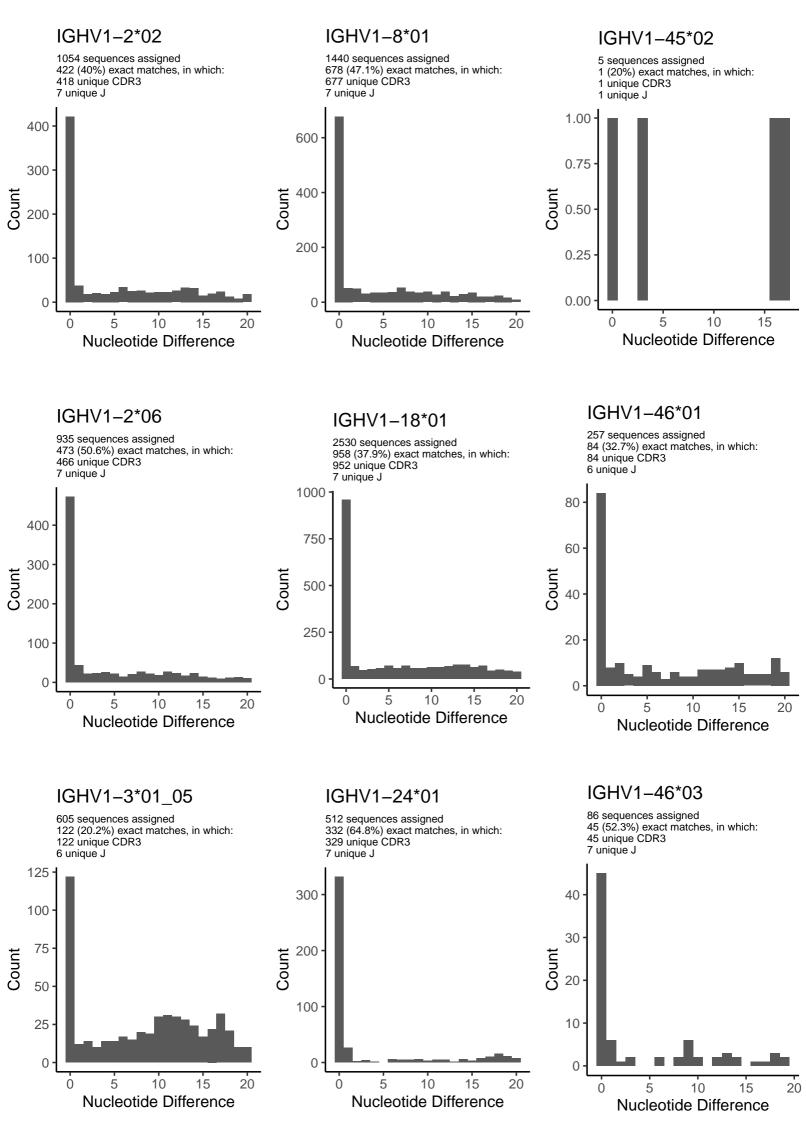
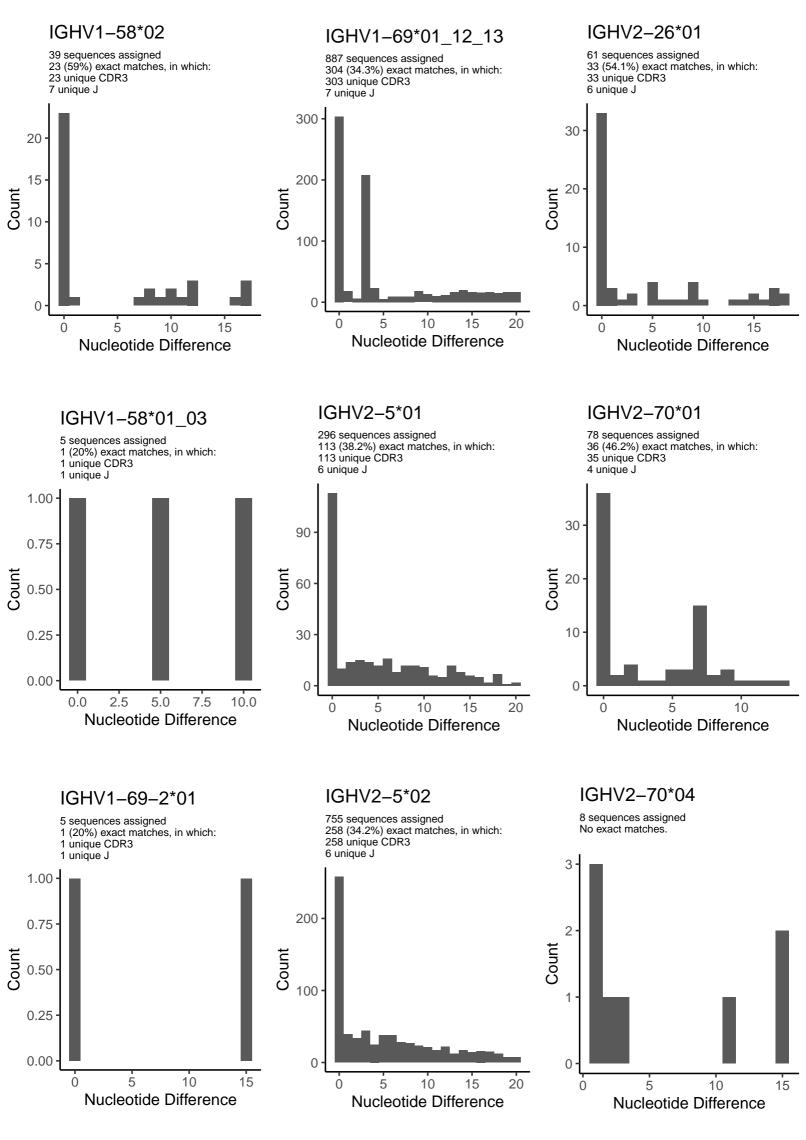
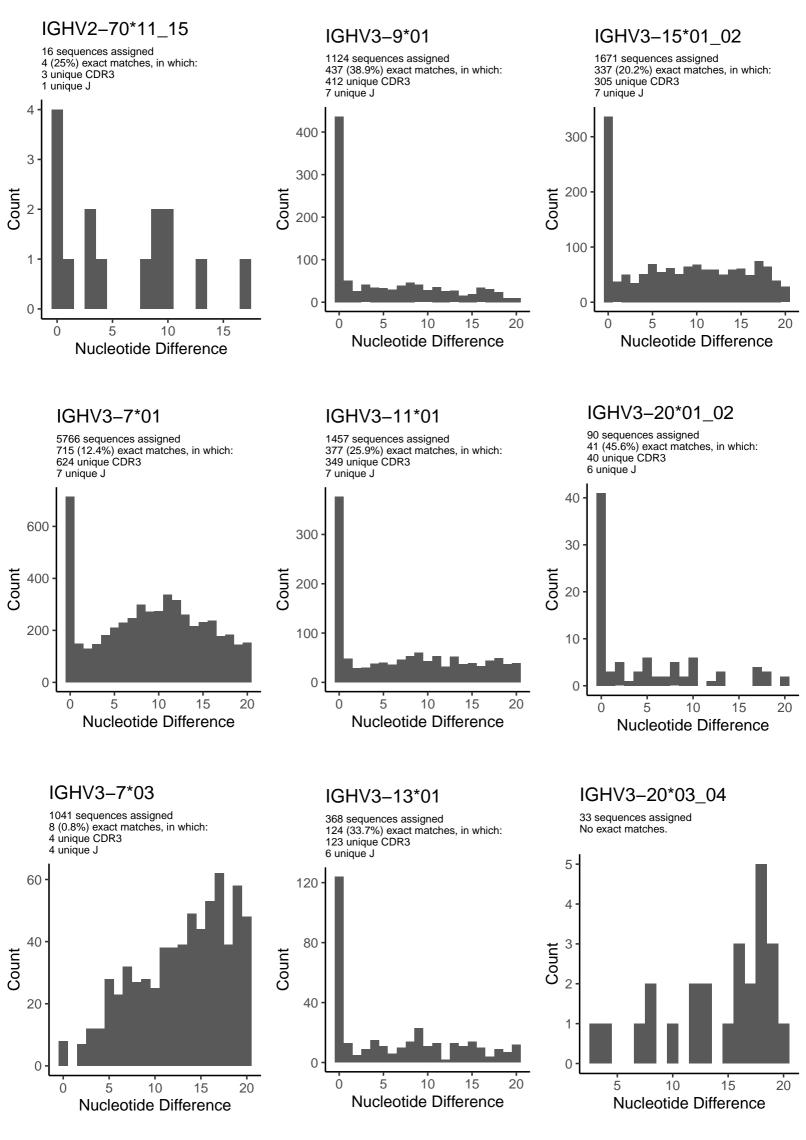


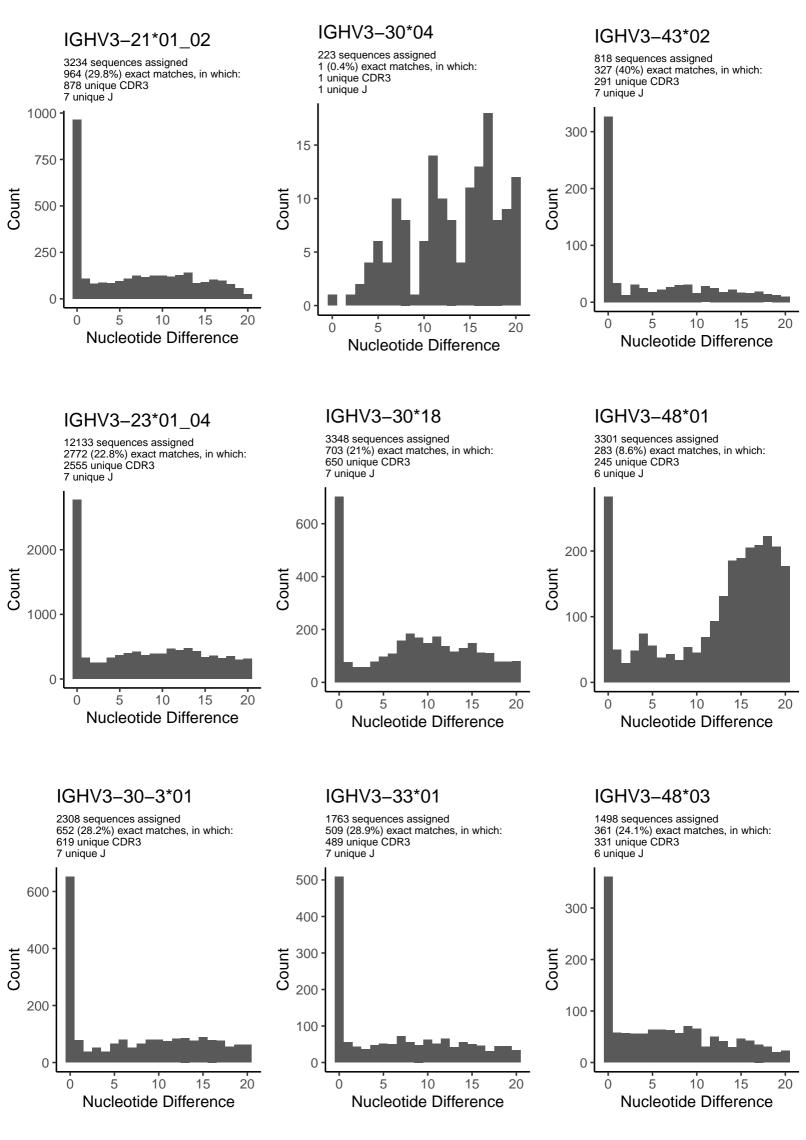
IGHV4-61\*02\_A234G- Final 3 nucleotides as a triplet

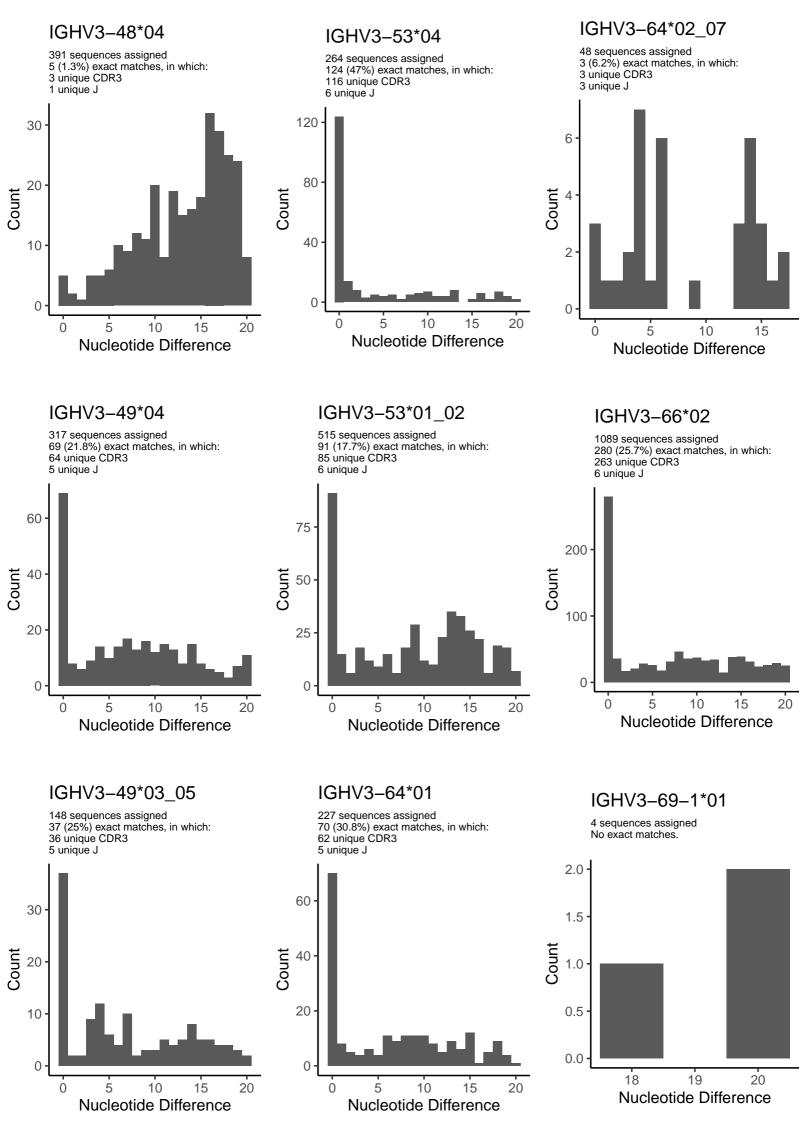


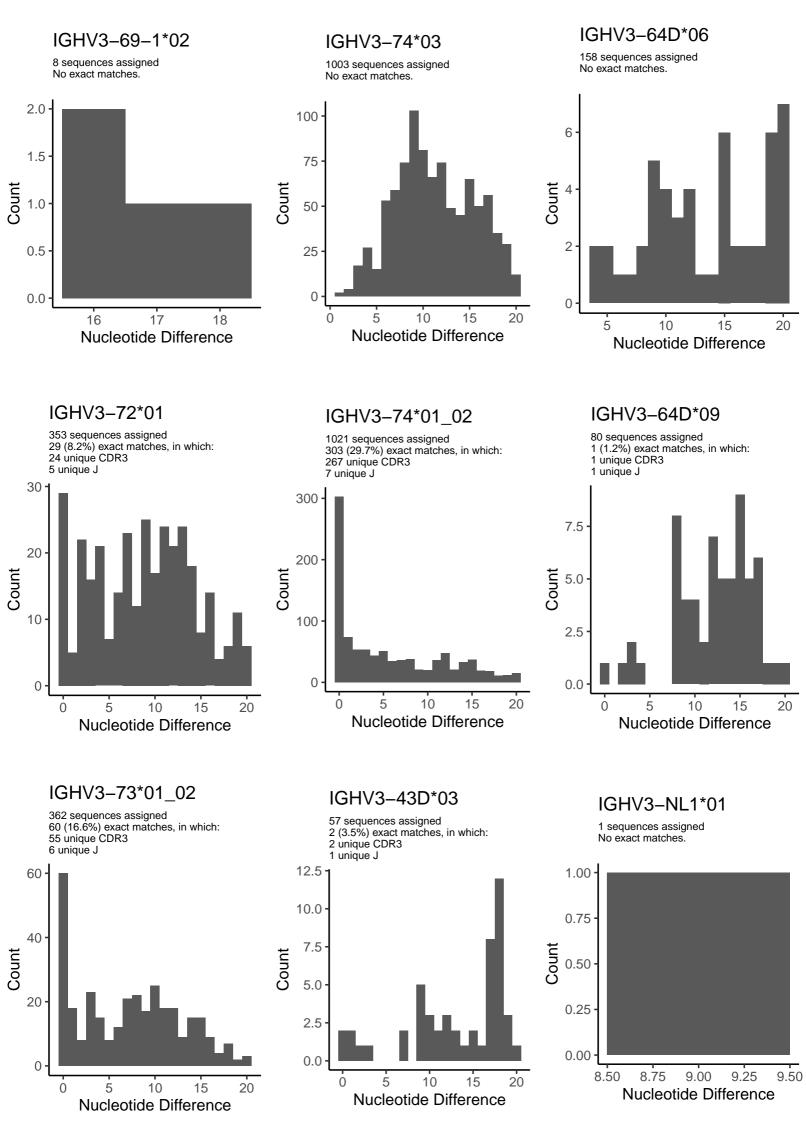


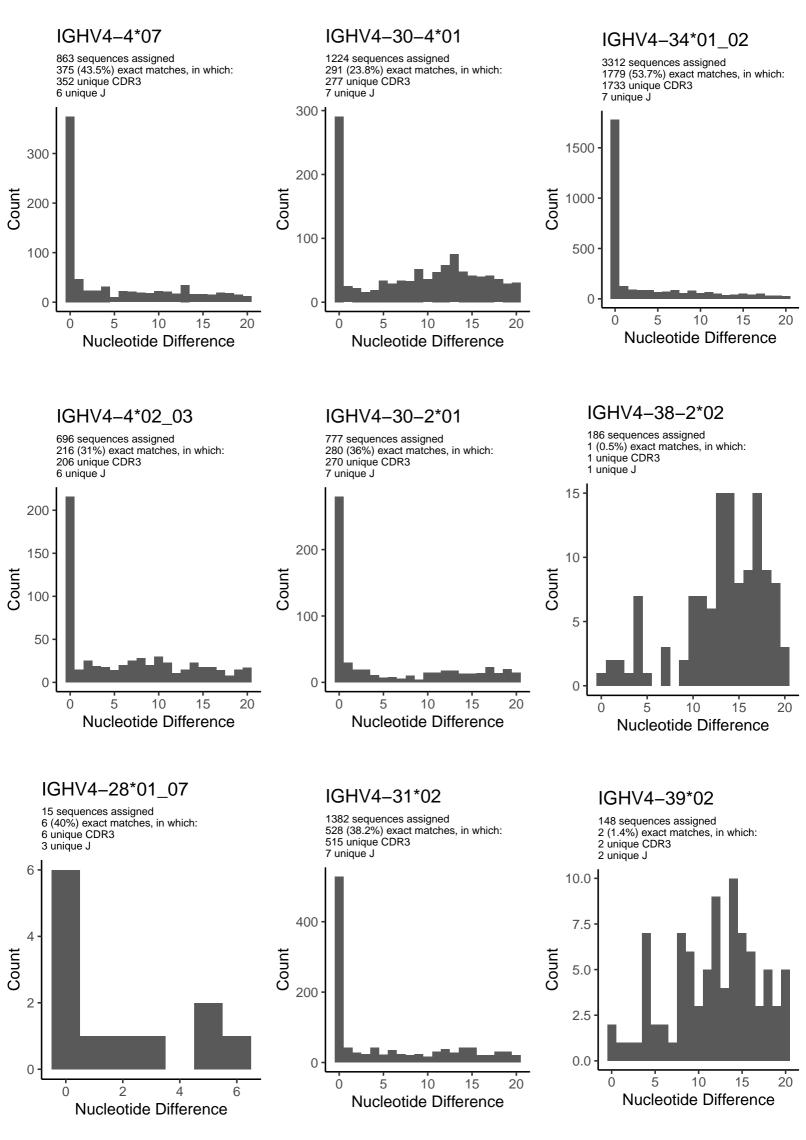


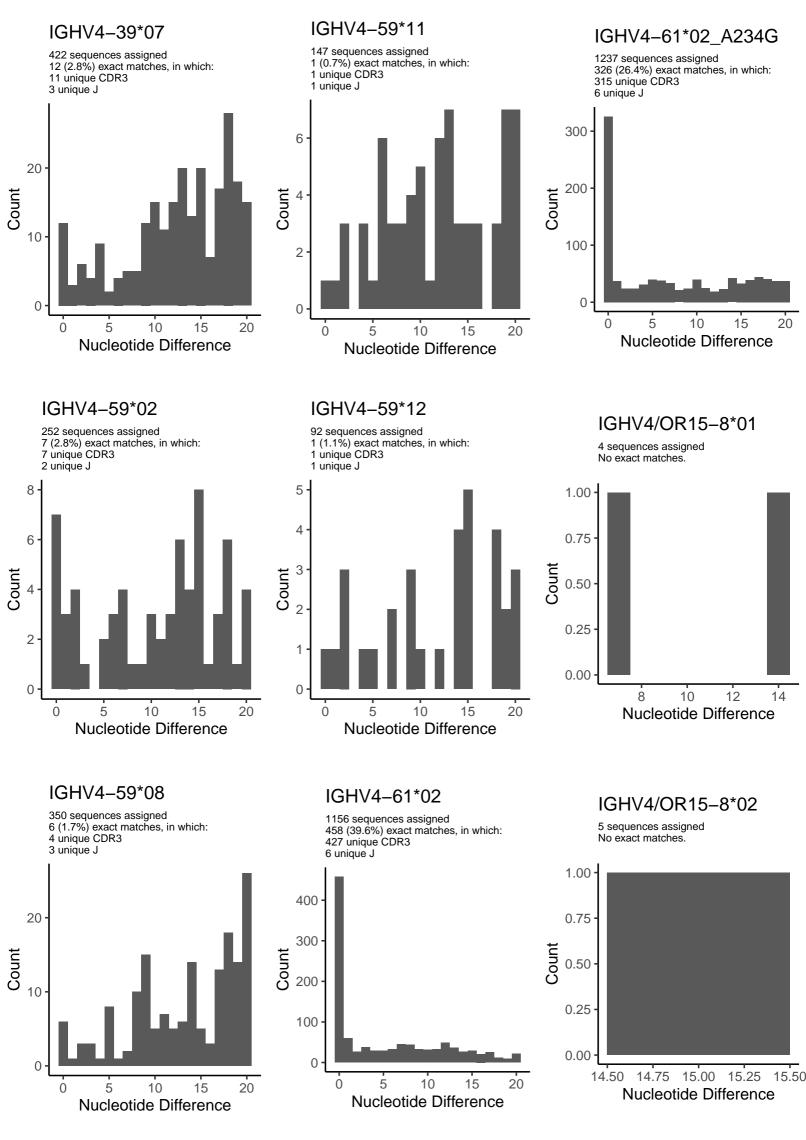












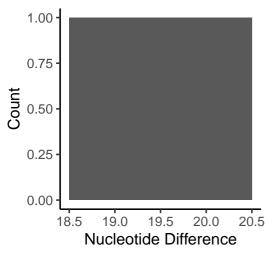
## IGHV5-10-1\*01\_03 IGHV6-1\*01\_02 19 sequences assigned 1 (5.3%) exact matches, in which: 1 unique CDR3 800 sequences assigned 248 (31%) exact matches, in which: 243 unique CDR3 1 unique J 6 unique J 3 250 -200 2 Conut 150 150 Count 50 0 0 10 15 5 20 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1\*02 IGHV5-51\*04 446 sequences assigned 150 (33.6%) exact matches, in which: 1 sequences assigned No exact matches. 148 unique CDR3 7 unique J 1.00 -150 **-**0.75 100 Count 0.50 Count 50 0.25 0.00 6.75 7.00 7.25 7.50 6.50 5 10 15 20 0

**Nucleotide Difference** 

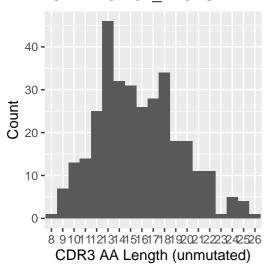
## IGHV5-51\*06

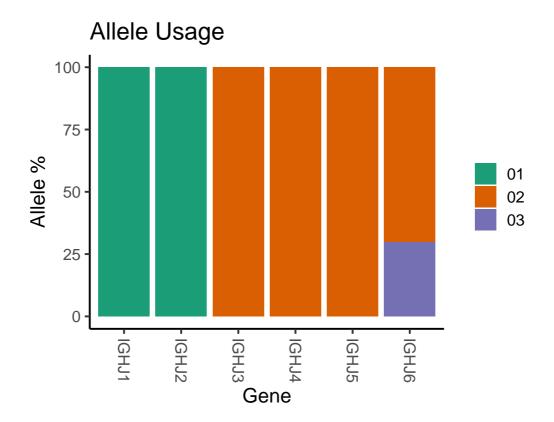
Nucleotide Difference

2 sequences assigned No exact matches.



IGHV4-61\*02\_A234G





## Sequence Count by IGHJ6 allele usage

