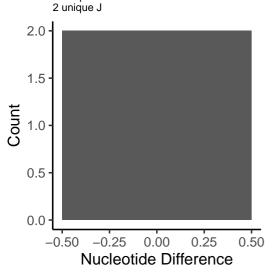


## IGHV7-4-1\*02 IGHV5-10-1\*01\_03 131 sequences assigned 6 (4.6%) exact matches, in which: 6 unique CDR3 56 sequences assigned No exact matches. 1 unique J 5 4 6 Count 2 2 1 0 0 20 5 10 15 5 10 20 **Nucleotide Difference Nucleotide Difference**

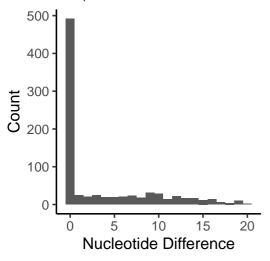
## IGHV5-51\*01\_03

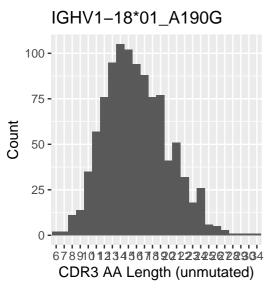
2 sequences assigned 2 (100%) exact matches, in which: 2 unique CDR3

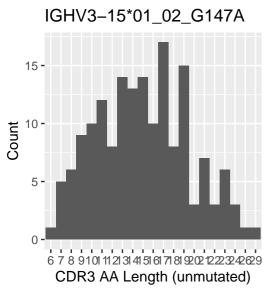


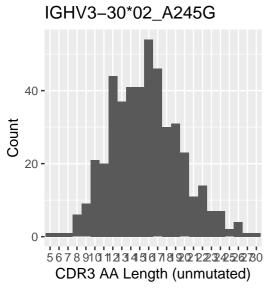
## IGHV6-1\*01\_02

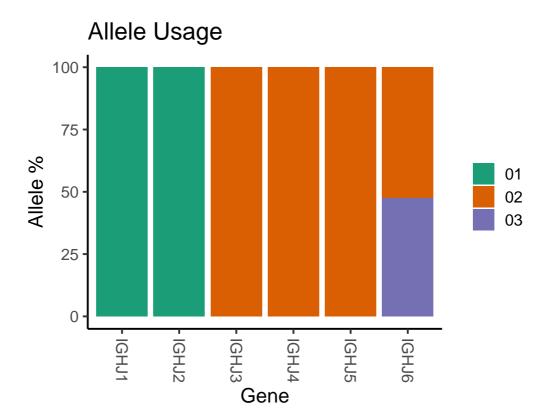
870 sequences assigned 492 (56.6%) exact matches, in which: 484 unique CDR3 7 unique J











## Sequence Count by IGHJ6 allele usage

