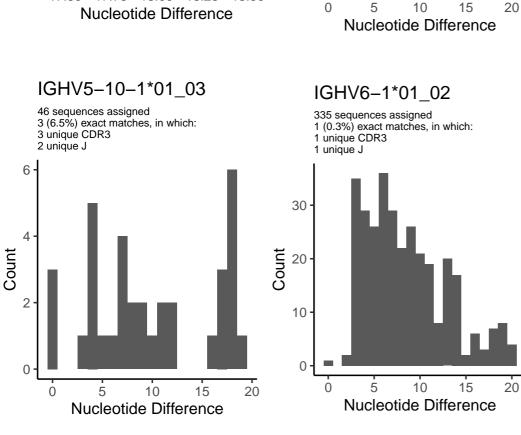
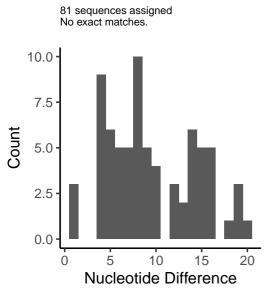


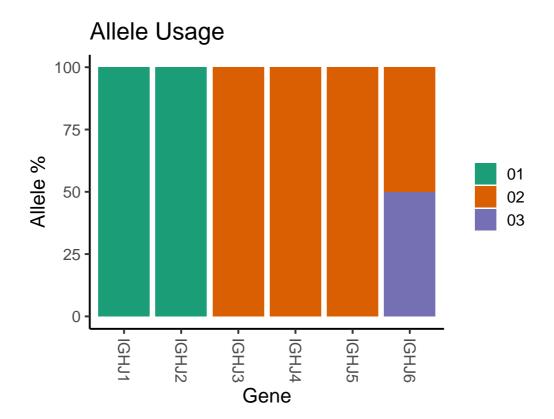
## IGHV4/OR15-8\*01 140 sequences assigned 4 (2.9%) exact matches, in which: 4 unique CDR3 3 unique J 2 sequences assigned No exact matches. 1.00 -15 0.75 Count 0.50 10 5 0.25 0.00 0 17.50 17.75 18.00 18.25 5 10 **Nucleotide Difference**

IGHV5-51\*01\_03





IGHV5-51\*07



## Sequence Count by IGHJ6 allele usage

