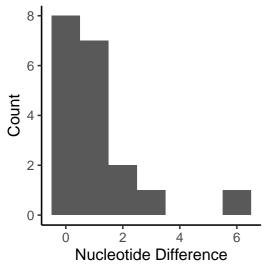


## IGHV7-4-1\*02 IGHV5-10-1\*03 4 sequences assigned 3 (75%) exact matches, in which: 3 unique CDR3 4 sequences assigned 2 (50%) exact matches, in which: 2 unique CDR3 2 unique J 2 unique J 2.0 1.5 2 Count Count 1.0 0.5 0.0 0 1.0 1.5 -0.50.0 0.5 -0.50.0 0.5 1.0 1.5 **Nucleotide Difference Nucleotide Difference**

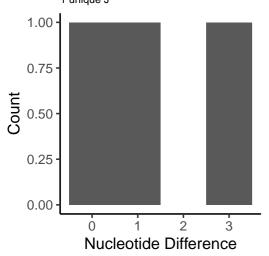
## IGHV5-51\*03

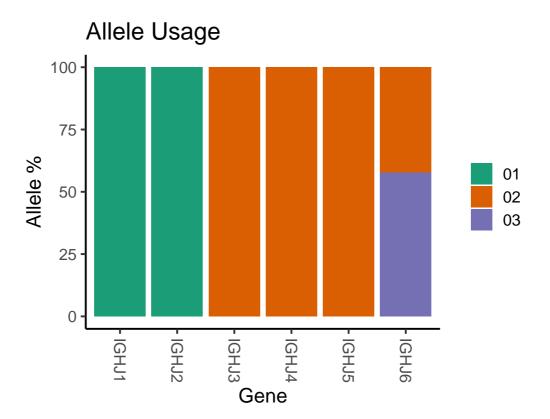
19 sequences assigned 8 (42.1%) exact matches, in which: 8 unique CDR3 3 unique J



## IGHV6-1\*01

3 sequences assigned 1 (33.3%) exact matches, in which: 1 unique CDR3 1 unique J





## Sequence Count by IGHJ6 allele usage

