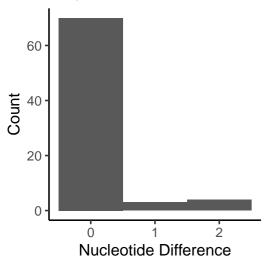


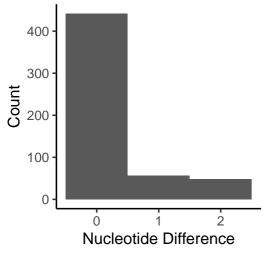
## IGHV5-10-1\*01\_03

77 sequences assigned 70 (90.9%) exact matches, in which: 70 unique CDR3 5 unique J



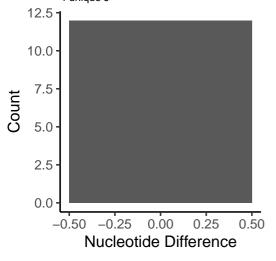
## IGHV6-1\*01\_02

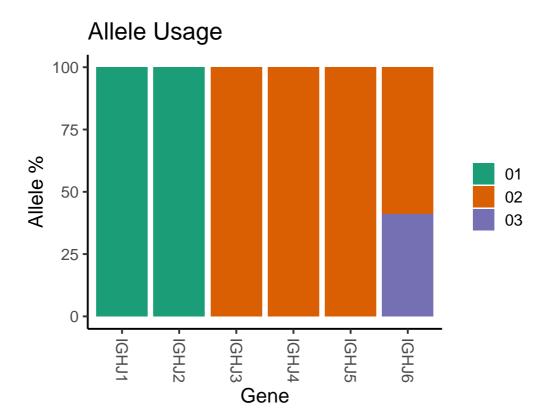
547 sequences assigned 442 (80.8%) exact matches, in which: 435 unique CDR3 7 unique J



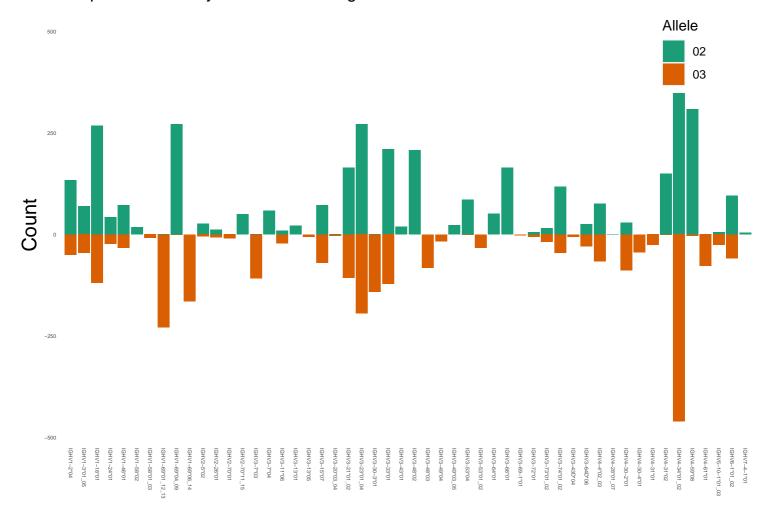
## IGHV7-4-1\*01

12 sequences assigned 12 (100%) exact matches, in which: 12 unique CDR3 4 unique J





## Sequence Count by IGHJ6 allele usage



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