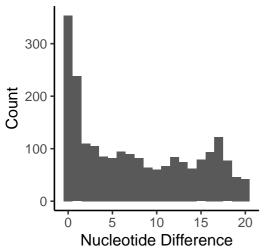


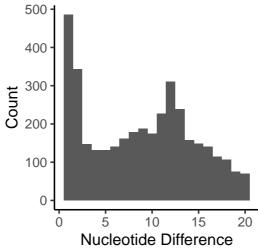
## IGHV5-10-1\*01\_03

2364 sequences assigned 354 (15%) exact matches, in which: 350 unique CDR3 7 unique J



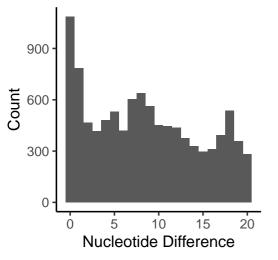
#### IGHV7-4-1\*02

4444 sequences assigned No exact matches.



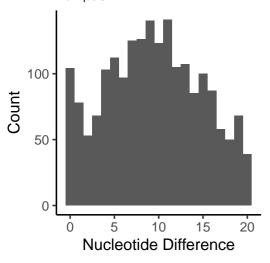
### IGHV5-51\*01\_03

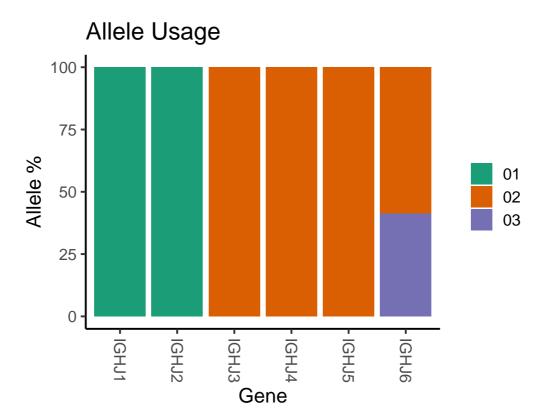
11656 sequences assigned 1087 (9.3%) exact matches, in which: 1047 unique CDR3 7 unique J



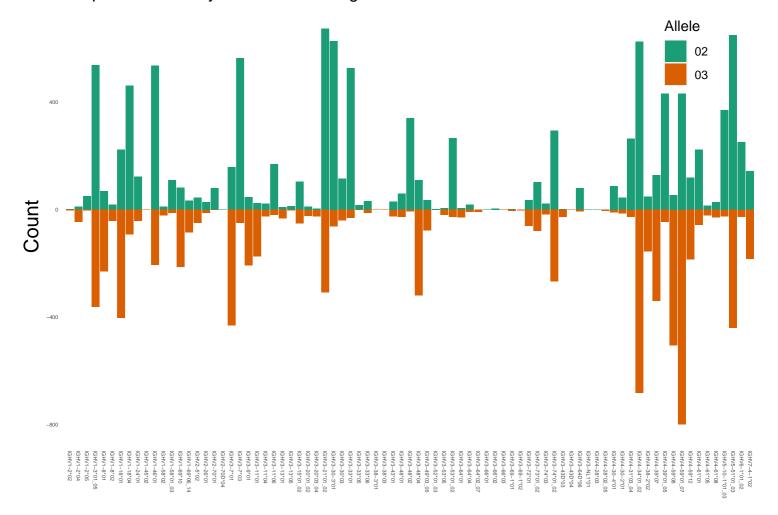
### IGHV6-1\*01\_02

2101 sequences assigned 104 (5%) exact matches, in which: 104 unique CDR3 7 unique J





# Sequence Count by IGHJ6 allele usage



Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV7-4-1\*02\_T63C are not listed in the genotype and will be ignored.