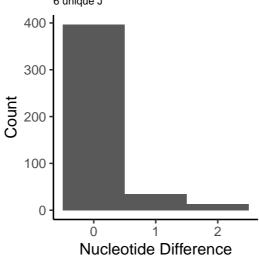


## 53 sequences assigned 46 (86.8%) exact matches, in which: 46 unique CDR3 5 unique J 40 40 10 0 1 2 Nucleotide Difference

IGHV5-10-1\*01\_03

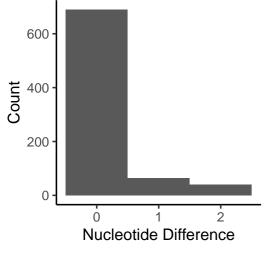
## IGHV7-4-1\*02

445 sequences assigned 397 (89.2%) exact matches, in which: 396 unique CDR3 6 unique J



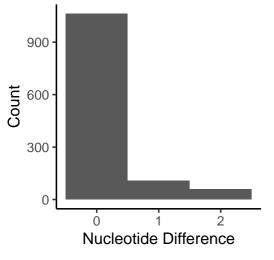
## IGHV5-51\*01\_03

793 sequences assigned 690 (87%) exact matches, in which: 688 unique CDR3 6 unique J



## IGHV6-1\*01\_02

1230 sequences assigned 1063 (86.4%) exact matches, in which: 1058 unique CDR3 6 unique J





Warning – no inferred sequences found.

Novel sequence(s) IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4-59\*02\_G88A are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV3-11\*06\_T300C IGHV4-38-2\*02\_A70G IGHV4-39\*02\_C258G IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.