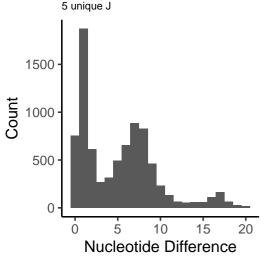


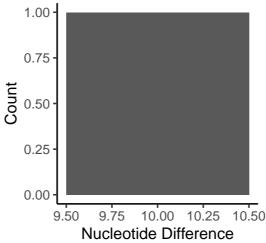
## IGHV5-51\*01\_03

8184 sequences assigned 755 (9.2%) exact matches, in which: 410 unique CDR3



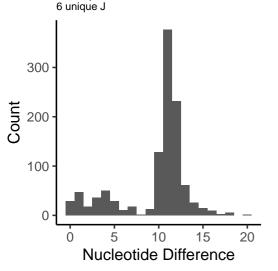
## IGHV7-4-1\*02

1 sequences assigned No exact matches.



## IGHV6-1\*01\_02

1120 sequences assigned 29 (2.6%) exact matches, in which: 25 unique CDR3



## IGHV7-4-1\*01

19 sequences assigned 7 (36.8%) exact matches, in which: 6 unique CDR3 1 unique J

