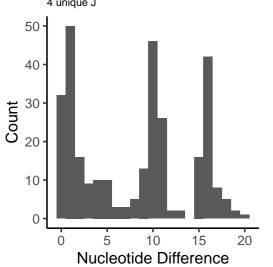


## IGHV5-10-1\*03

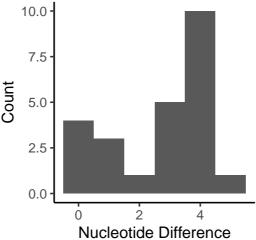
312 sequences assigned 32 (10.3%) exact matches, in which: 20 unique CDR3 4 unique J



## IGHV7-4-1\*01

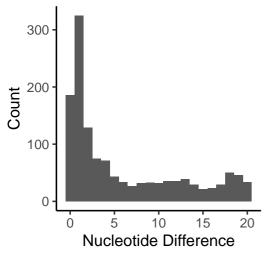
24 sequences assigned 4 (16.7%) exact matches, in which: 2 unique CDR3

1 unique J



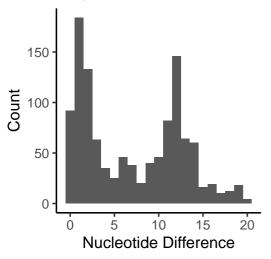
## IGHV5-51\*01

1539 sequences assigned 186 (12.1%) exact matches, in which: 131 unique CDR3 6 unique J



## IGHV6-1\*01

1547 sequences assigned 92 (5.9%) exact matches, in which: 57 unique CDR3 4 unique J





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