

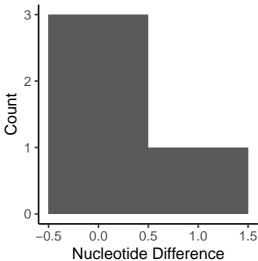
## 57 sequences assigned 13 (22.8%) exact matches, in which: 13 unique CDR3 5 unique J 10 10 Nucleotide Difference

IGHV5-10-1\*03

## IGHV7-4-1\*01

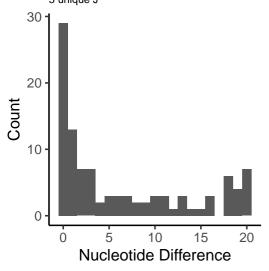
4 sequences assigned 3 (75%) exact matches, in which: 3 unique CDR3

2 unique J



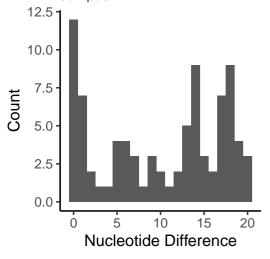
## IGHV5-51\*01

147 sequences assigned 29 (19.7%) exact matches, in which: 27 unique CDR3 5 unique J



## IGHV6-1\*01

118 sequences assigned 12 (10.2%) exact matches, in which: 12 unique CDR3 5 unique J





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