

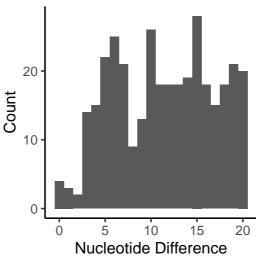
## No exact matches. 15 5 5 10 15 20 0 **Nucleotide Difference**

IGHV5-51\*07

173 sequences assigned

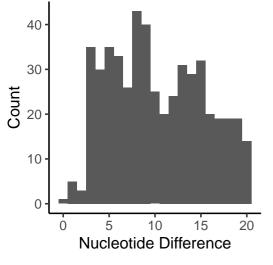
## IGHV7-4-1\*02

425 sequences assigned 4 (0.9%) exact matches, in which: 4 unique CDR3 2 unique J



## IGHV5-51\*01\_03

587 sequences assigned 1 (0.2%) exact matches, in which: 1 unique CDR3 1 unique J



## IGHV6-1\*01\_02

1252 sequences assigned 1 (0.1%) exact matches, in which: 1 unique CDR3 1 unique J

