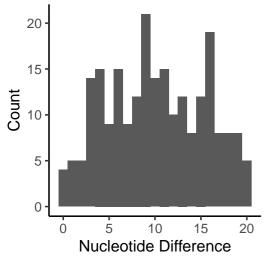


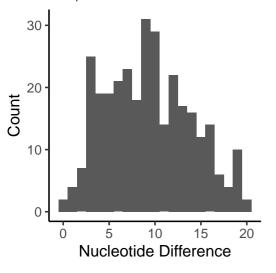
## IGHV5-51\*01\_03

266 sequences assigned 4 (1.5%) exact matches, in which: 4 unique CDR3 2 unique J



## IGHV6-1\*01\_02

346 sequences assigned 2 (0.6%) exact matches, in which: 2 unique CDR3 1 unique J



## IGHV7-4-1\*02

1 unique J

131 sequences assigned 6 (4.6%) exact matches, in which: 6 unique CDR3

Nucleotide Difference



## Sequence Count by IGHJ6 allele usage

