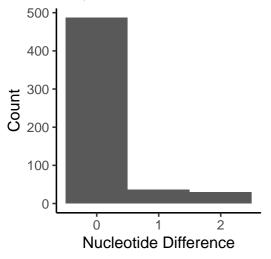
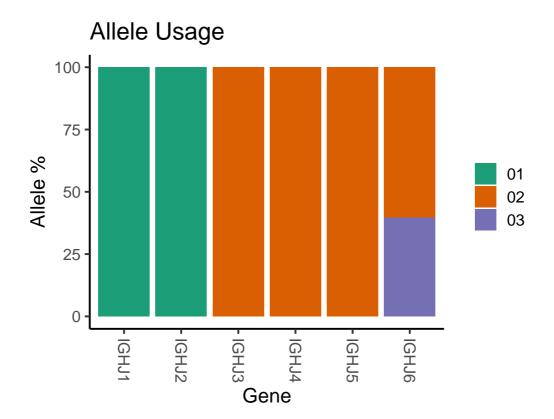


## IGHV6-1\*01\_02 IGHV4-61\*01 347 sequences assigned 299 (86.2%) exact matches, in which: 535 sequences assigned 433 (80.9%) exact matches, in which: 292 unique CDR3 433 unique CDR3 7 unique J 7 unique J 300 -400 300 200 Count 200 100 100 0 0 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1\*01\_03 IGHV7-4-1\*01 76 sequences assigned 69 (90.8%) exact matches, in which: 69 unique CDR3 12 sequences assigned 12 (100%) exact matches, in which: 12 unique CDR3 5 unique J 4 unique J 12.5 60 10.0 7.5 Count 40 5.0 20 2.5 0.0 0 -0.25 0.00 0.25 0.50 -0.50**Nucleotide Difference Nucleotide Difference** IGHV5-51\*07\_A128G

553 sequences assigned 487 (88.1%) exact matches, in which: 486 unique CDR3 7 unique J





## Sequence Count by IGHJ6 allele usage

