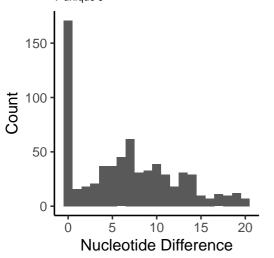
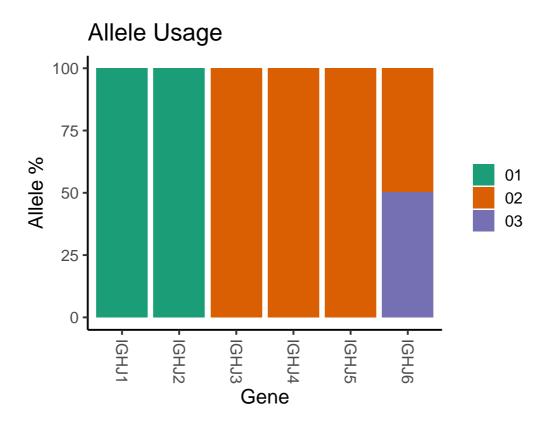


## IGHV4-31\*02 IGHV4-61\*02\_A234G IGHV4-39\*02\_C258G 1077 sequences assigned 935 sequences assigned 3755 sequences assigned 368 (39.4%) exact matches, in which: 331 (30.7%) exact matches, in which: 1526 (40.6%) exact matches, in which: 363 unique CDR3 321 unique CDR3 1448 unique CDR3 7 unique J 7 unique J 7 unique J 1500 300 300 1000 200 Count Count 200 500 100 100 0 0 0 5 10 15 20 5 10 15 20 5 10 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV5-10-1\*01 03 IGHV4-59\*02\_G88A IGHV4-34\*01\_02 107 sequences assigned 2940 sequences assigned 2007 (68.3%) exact matches, in which: 3204 sequences assigned 1198 (37.4%) exact matches, in which: 28 (26.2%) exact matches, in which: 28 unique CDR3 1854 unique CDR3 1136 unique CDR3 4 unique J 7 unique J 7 unique J 1250 2000 1000 1500 20 750 Count Count 1000 500 10 500 250 0 0 10 10 20 20 0 10 15 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV4-61\*01 IGHV5-51\*07\_A128G IGHV4-38-2\*02 786 sequences assigned 558 sequences assigned 2 sequences assigned 196 (24.9%) exact matches, in which: 215 (38.5%) exact matches, in which: No exact matches. 184 unique CDR3 215 unique CDR3 6 unique J 7 unique J 200 1.00 200 0.75 150 150 0.50 100 100 0.25 50 50 0.00 0 0 14.00 14.25 13.50 13.75 10 15 20 10 20 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference

## IGHV6-1\*01\_02

702 sequences assigned 171 (24.4%) exact matches, in which: 171 unique CDR3 7 unique J





## Sequence Count by IGHJ6 allele usage

