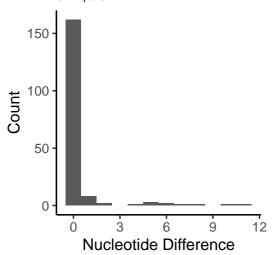
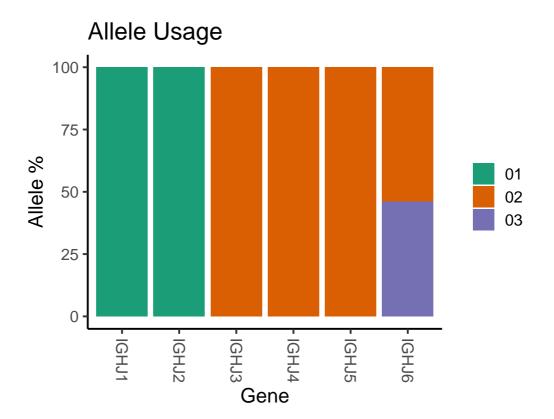


IGHV5-10-1*03 IGHV6-1*01 220 sequences assigned 199 (90.5%) exact matches, in which: 199 unique CDR3 151 sequences assigned 136 (90.1%) exact matches, in which: 136 unique CDR3 7 unique J 7 unique J 200 -150 100 Count Count 100 50 50 0 0 5 10 0 3 6 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*01 IGHV5-51*01 8 sequences assigned 8 (100%) exact matches, in which: 8 unique CDR3 352 sequences assigned 270 (76.7%) exact matches, in which: 270 unique CDR3 7 unique J 4 unique J 6 200 Count 100 2 0 0 5 10 15 0 -0.50-0.250.00 0.25 0.50 **Nucleotide Difference Nucleotide Difference** IGHV5-51*03

182 sequences assigned 162 (89%) exact matches, in which: 162 unique CDR3 6 unique J





Sequence Count by IGHJ6 allele usage



