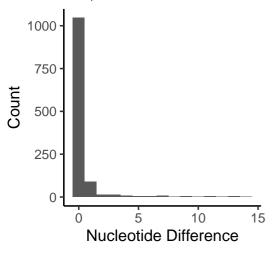


IGHV7-4-1*01 IGHV5-10-1*02 8 sequences assigned 7 (87.5%) exact matches, in which: 7 unique LDR3 1 sequences assigned No exact matches. 4 unique J 1.00 -6 0.75 Count 0.50 0.25 2 0.00 0 9.00 8.50 8.75 9.25 9.50 -0.50.0 0.5 1.0 1.5 Nucleotide Difference **Nucleotide Difference**

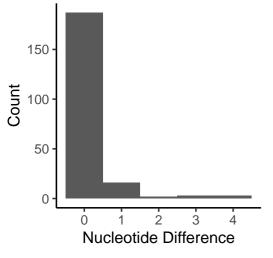
IGHV5-51*01

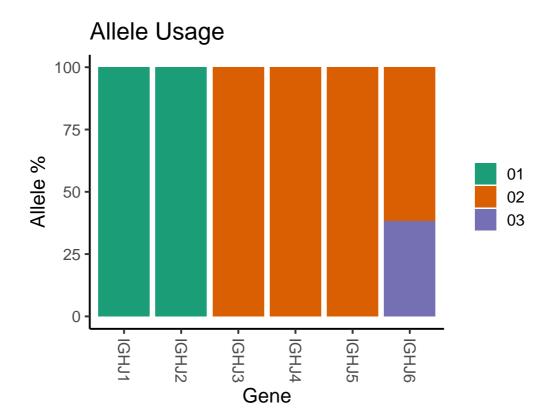
1196 sequences assigned 1046 (87.5%) exact matches, in which: 1002 unique CDR3 7 unique J



IGHV6-1*01

211 sequences assigned 187 (88.6%) exact matches, in which: 177 unique CDR3 6 unique J





Sequence Count by IGHJ6 allele usage



