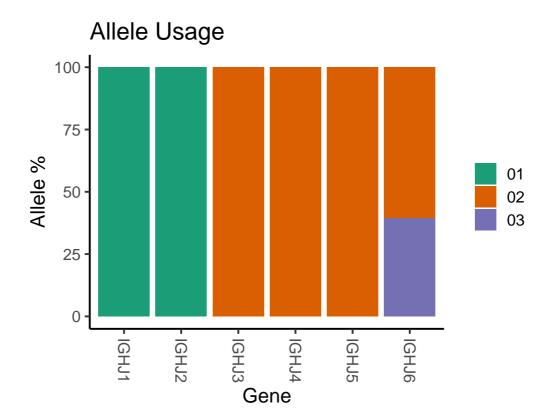


IGHV4-59*08 IGHV5-51*01 507 sequences assigned 460 (90.7%) exact matches, in which: 612 sequences assigned 434 (70.9%) exact matches, in which: 405 unique CDR3 442 unique CDR3 7 unique J 7 unique J 400 400 300 300 Count 200 100 100 0 0 2.5 5.0 7.5 0.0 10.0 0 5 10 **Nucleotide Difference** Nucleotide Difference IGHV4-61*01 IGHV5-51*03 153 sequences assigned 135 (88.2%) exact matches, in which: 247 sequences assigned 224 (90.7%) exact matches, in which: 131 unique CDR3 211 unique CDR3 6 unique J 6 unique J 200 100 150 Count 100 50 50 0 0 2.5 5.0 7.5 10.0 2.5 5.0 7.5 10.0 0.0 0.0 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01 IGHV1/OR15-2*01 197 sequences assigned 1 sequences assigned 175 (88.8%) exact matches, in which: No exact matches. 164 unique CDR3 7 unique J 1.00 150 0.75 Count 100 0.25 50 0.00 0 5.50 5.75 6.00 6.25 6.50 **Nucleotide Difference Nucleotide Difference**



Sequence Count by IGHJ6 allele usage

