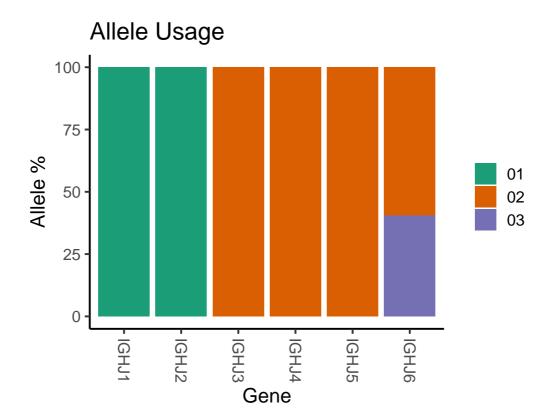


## IGHV4-59\*01 IGHV5-51\*01 91 sequences assigned 74 (81.3%) exact matches, in which: 282 sequences assigned 223 (79.1%) exact matches, in which: 74 unique CDR3 223 unique CDR3 6 unique J 7 unique J 200 60 150 Count 40 100 20 50 0 0 0 **Nucleotide Difference Nucleotide Difference** IGHV4-59\*08 IGHV5-51\*03 56 sequences assigned 49 (87.5%) exact matches, in which: 49 unique CDR3 110 sequences assigned 94 (85.5%) exact matches, in which: 94 unique CDR3 5 unique J 6 unique J 50 40 75 30 Count 30 50 50 25 10 0 0 0 0 3 9 **Nucleotide Difference Nucleotide Difference** IGHV4-61\*01 IGHV6-1\*01 14 sequences assigned 11 (78.6%) exact matches, in which: 11 unique CDR3 62 sequences assigned 58 (93.5%) exact matches, in which: 58 unique CDR3 5 unique J 6 unique J 60 9 40 Count 9 20 3 0 0 10 6 12 0 Nucleotide Difference **Nucleotide Difference**



## Sequence Count by IGHJ6 allele usage



