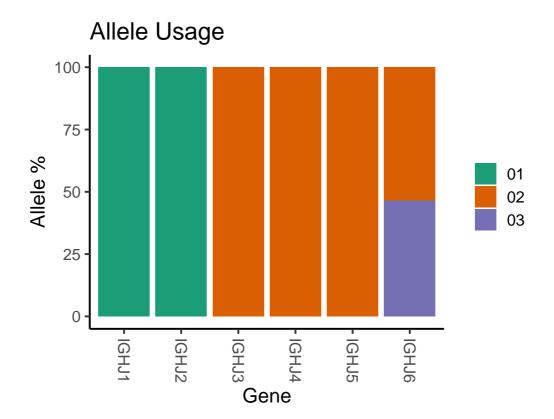


## IGHV5-51\*01 IGHV4-39\*01 882 sequences assigned 1200 sequences assigned 997 (83.1%) exact matches, in which: 706 (80%) exact matches, in which: 700 unique CDR3 992 unique CDR3 7 unique J 7 unique J 1000 600 750 Count Count 400 500 200 250 0 0 5 10 15 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference** IGHV4-59\*01 IGHV6-1\*01 834 sequences assigned 690 (82.7%) exact matches, in which: 139 sequences assigned 99 (71.2%) exact matches, in which: 688 unique CDR3 97 unique CDR3 7 unique J 6 unique J 100 -600 75 Count 400 50 200 25 0 0 5 10 15 20 10 15 0 0 **Nucleotide Difference** Nucleotide Difference IGHV4-61\*01 IGHV7-4-1\*02 252 sequences assigned 209 (82.9%) exact matches, in which: 284 sequences assigned 233 (82%) exact matches, in which: 209 unique CDR3 232 unique CDR3 7 unique J 6 unique J 200 200 150 150 Count 100 50 50 0 0 10 10 **Nucleotide Difference Nucleotide Difference**



## Sequence Count by IGHJ6 allele usage

