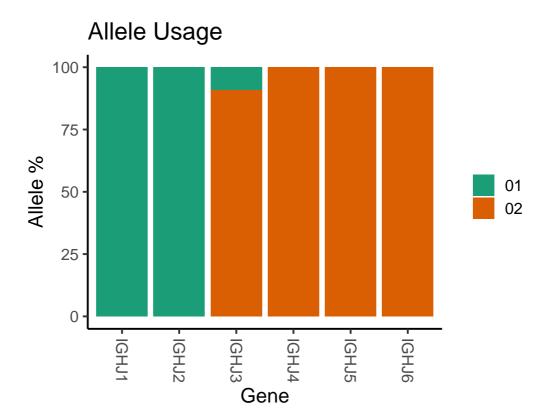


## IGHV4-61\*01 IGHV5-51\*03 13 sequences assigned 67 sequences assigned No exact matches. 10 (14.9%) exact matches, in which: 10 unique CDR3 4 unique J 5 10.0 4 7.5 Count 2 Count 5.0 2.5 1 0.0 0 10 20 5 15 0 12 16 20 8 **Nucleotide Difference Nucleotide Difference** IGHV6-1\*01 IGHV4-61\*02 80 sequences assigned 1 (1.2%) exact matches, in which: 1 unique CDR3 2080 sequences assigned 3 (0.1%) exact matches, in which: 1 unique CDR3 1 unique J 1 unique J 400 -300 3 Count Count 200 2 100 1 0 0 5 10 15 20 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV5-51\*01 IGHV7-4-1\*02 59 sequences assigned 11 (18.6%) exact matches, in which: 5 unique CDR3 6 sequences assigned No exact matches. 2 unique J 1.00 9 0.75 Count Count Count 9 0.25 3 0.00 0 12 16 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference**



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