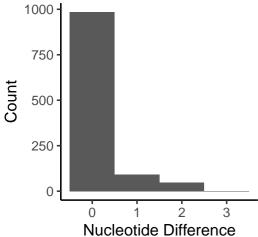


## IGHV6-1\*01\_02 IGHV4-59\*11 585 sequences assigned 514 (87.9%) exact matches, in which: 509 unique CDR3 2 sequences assigned No exact matches. 6 unique J 2.0 500 1.5 400 O 200 200 0.5 100 0.0 0 1.25 1.50 0.50 0.75 1.00 **Nucleotide Difference Nucleotide Difference** IGHV4-59\*12 IGHV7-4-1\*01 6 sequences assigned 1 (16.7%) exact matches, in which: 1 unique CDR3 8 sequences assigned 8 (100%) exact matches, in which: 8 unique CDR3 1 unique J 4 unique J 5 4 6 Count 2 2 0 0 -0.50.0 0.5 1.0 1.5 -0.50-0.250.00 0.25 0.50 **Nucleotide Difference Nucleotide Difference** IGHV4-61\*01 1125 sequences assigned 985 (87.6%) exact matches, in which: 961 unique CDR3 6 unique J





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