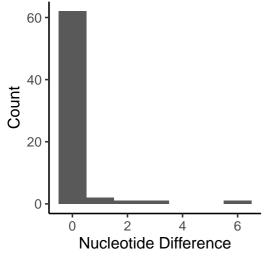


IGHV4-59*08 IGHV5-51*01 33 sequences assigned 30 (90.9%) exact matches, in which: 242 sequences assigned 216 (89.3%) exact matches, in which: 216 unique CDR3 30 unique CDR3 5 unique J 6 unique J 200 150 20 Count 100 10 50 0 0 5 10 15 0 2 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01 IGHV4-61*01 43 sequences assigned 41 (95.3%) exact matches, in which: 41 unique CDR3 4 unique J 10 sequences assigned 10 (100%) exact matches, in which: 10 unique CDR3 3 unique J 10.0 40 7.5 30 Count 5.0 20 2.5 10 0.0 0 -0.250.00 0.25 0.50 -0.50-0.50.0 0.5 1.0 1.5 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1*03

67 sequences assigned 62 (92.5%) exact matches, in which: 62 unique CDR3 6 unique J





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