











## IGHV5-51\*01\_03 IGHV4-59\*08 3593 sequences assigned 2676 (74.5%) exact matches, in which: sequences assigned 1 (100%) exact matches, in which: unique CDR3 2584 unique CDR3 1 unique J 6 unique J 1.00 0.75 2000 Count Count 1000 0.25 0 0.00 5 10 15 20 -0.50 -0.250.00 0.25 0.50 **Nucleotide Difference Nucleotide Difference** IGHV4-61\*02 IGHV6-1\*01\_02 2719 sequences assigned 2002 (73.6%) exact matches, in which: 1002 unique CDR3 1562 sequences assigned 1179 (75.5%) exact matches, in which: 1169 unique CDR3 6 unique J 6 unique J 1200 -2000 900 1500 Count 600 1000 300 500 0 0 10 10 15 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1\*01 IGHV5-10-1\*01\_03 9 sequences assigned 7 (77.8%) exact matches, in which: 7 unique CDR3 146 sequences assigned 98 (67.1%) exact matches, in which: 98 unique CDR3 3 unique J 5 unique J 100 6 75 Count 50 2 25 0 0 10 15 **Nucleotide Difference Nucleotide Difference**



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