











IGHV4-61*01 IGHV5-51*01_03 295 sequences assigned 127 (43.1%) exact matches, in which: 1 sequences assigned 124 unique CDR3 No exact matches. 5 unique J 1.00 -100 0.75 Count Count Count 50 0.25 0.00 7.50 7.75 8.00 8.25 8.50 10 15 5 20 **Nucleotide Difference Nucleotide Difference** IGHV4-61*02 IGHV6-1*01_02 397 sequences assigned 135 (34%) exact matches, in which: 773 sequences assigned 318 (41.1%) exact matches, in which: 312 unique CDR3 134 unique CDR3 6 unique J 6 unique J 300 100 200 Count 50 100 0 10 15 20 5 10 15 20 0 0 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*01 IGHV5-10-1*01_03 3 sequences assigned 3 (100%) exact matches, in which: 3 unique CDR3 87 sequences assigned 43 (49.4%) exact matches, in which: 43 unique CDR3 3 unique J 5 unique J 40 30 2 Count 20 10 0 0 10 15 20 -0.50-0.250.00 0.25 0.50 Nucleotide Difference **Nucleotide Difference**



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