











IGHV5-51*01_03 IGHV4-59*08 sequences assigned 3591 sequences assigned 2676 (74.5%) exact matches, in which: 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 2718 sequences assigned 2001 (73.6%) exact matches, in which: 1962 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**



