

















IGHV5-51*07 IGHV3/OR16-9*01 12 sequences assigned 3 (25%) exact matches, in which: 3 unique CDR3 1 sequences assigned No exact matches. 3 unique J 1.00 -0.75 2 Count Count Count 0.25 0.00 0 6.50 6.75 7.00 7.25 7.50 10 15 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV3/OR16-13*01 1737 sequences assigned 295 (17%) exact matches, in which: 261 unique CDR3 2 sequences assigned No exact matches. 6 unique J 2.0 300 -1.5 200 Count 1.0 100 0.5 0.0 0 19.50 19.75 20.00 20.25 20.50 5 10 15 20 0 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*02 IGHV3/OR16-6*02 5361 sequences assigned 1255 (23.4%) exact matches, in which: 1 sequences assigned No exact matches. 1077 unique CDR3 6 unique J 1.00 -1200 0.75 800 Count 400 0.25 0.00 0 10.50 10.75 11.00 11.25 11.50 10 20 **Nucleotide Difference Nucleotide Difference**



