









IGHV5-51*03 IGHV4-61*03 529 sequences assigned 171 (32.3%) exact matches, in which: 170 unique CDR3 1 sequences assigned No exact matches. 6 unique J 1.00 -150 0.75 Count 0.50 Count 100 50 0.25 0.00 0 6.50 6.75 7.00 7.25 7.50 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01 IGHV5-10-1*03 208 sequences assigned 58 (27.9%) exact matches, in which: 634 sequences assigned 194 (30.6%) exact matches, in which: 58 unique CDR3 193 unique CDR3 5 unique J 6 unique J 60 200 150 40 Count Count 100 20 50 0 0 5 10 15 20 0 0 10 15 20 **Nucleotide Difference** Nucleotide Difference IGHV5-51*01 IGHV7-4-1*02 206 sequences assigned 211 sequences assigned 2 (1%) exact matches, in which: 66 (31.3%) exact matches, in which: 2 unique CDR3 65 unique CDR3 2 unique J 6 unique J 60 60 40 40 Count Count 20 20 0 0 0 10 15 10 20 0 15 20 Nucleotide Difference Nucleotide Difference



