









IGHV4-59*12 IGHV5-51*07 776 sequences assigned 13 (1.7%) exact matches, in which: 13 unique CDR3 381 sequences assigned 10 (2.6%) exact matches, in which: 8 unique CDR3 3 unique J 3 unique J 120 200 90 150 Count Count 60 30 50 0 0 10 15 20 5 0 5 10 15 **Nucleotide Difference Nucleotide Difference** IGHV4-61*01 IGHV5-51*01_03 8 sequences assigned 2912 sequences assigned 271 (9.3%) exact matches, in which: No exact matches. 137 uniqué CDR3 5 unique J 600 3 Count 2 Count 400 200 0 15 5 10 15 20 5 10 0 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV4-61*05 622 sequences assigned 3 sequences assigned 2 (0.3%) exact matches, in which: 2 unique CDR3 2 unique J No exact matches. 1.00 -90 0.75 Count 0.50 Count 09 0.25 30 0.00 0 6 0 10 15 20 **Nucleotide Difference** Nucleotide Difference



