











IGHV4-59*02_G88A IGHV5-51*07_A128G 308 sequences assigned 151 (49%) exact matches, in which: 150 unique CDR3 933 sequences assigned 498 (53.4%) exact matches, in which: 482 unique CDR3 6 unique J 5 unique J 500 -150 400 100 300 Count 300 50 100 0 0 5 10 15 20 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV4-61*01 226 sequences assigned 87 (38.5%) exact matches, in which: 385 sequences assigned 199 (51.7%) exact matches, in which: 86 unique CDR3 196 unique CDR3 6 unique J 6 unique J 200 75 150 Count 50 Count 100 25 50 0 0 5 10 15 20 0 10 15 20 **Nucleotide Difference** Nucleotide Difference IGHV7-4-1*02 IGHV5-10-1*01_03 126 sequences assigned 1 sequences assigned 77 (61.1%) exact matches, in which: No exact matches. 76 unique CDR3 5 unique J 80 1.00 60 0.75 Count Count 04 0.25 20 0.00 0 3.50 3.75 4.00 4.25 4.50 10 5 15 20 **Nucleotide Difference** Nucleotide Difference



