











IGHV4-59*12 IGHV5-51*07_A128G 359 sequences assigned 2 (0.6%) exact matches, in which: 2 unique CDR3 220 sequences assigned 173 (78.6%) exact matches, in which: 171 unique CDR3 2 unique J 6 unique J 300 150 200 Count 100 100 50 0 0 **Nucleotide Difference Nucleotide Difference** IGHV4-61*01 IGHV6-1*01_02 250 sequences assigned 213 (85.2%) exact matches, in which: 202 sequences assigned 184 (91.1%) exact matches, in which: 176 unique CDR3 212 unique CDR3 6 unique J 6 unique J 200 150 150 Count 100 100 50 50 0 0 2 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1*01_03 IGHV7-4-1*02 26 sequences assigned 105 sequences assigned 21 (80.8%) exact matches, in which: 21 unique CDR3 83 (79%) exact matches, in which: 82 unique CDR3 4 unique J 5 unique J 80 20 60 15 Count 10 40 5 20 0 0 Nucleotide Difference Nucleotide Difference



