













IGHV4-61*02 IGHV5-51*07_A128G 170 sequences assigned 220 sequences assigned 115 (52.3%) exact matches, in which: 81 (47.6%) exact matches, in which: 79 unique CDR3 104 unique CDR3 6 unique J 6 unique J 120 90 60 Count 40 60 30 20 0 0 5 10 15 20 0 10 15 **Nucleotide Difference** Nucleotide Difference IGHV6-1*01_02 IGHV4/OR15-8*02 40 sequences assigned 16 (40%) exact matches, in which: 16 unique CDR3 3 sequences assigned No exact matches. 5 unique J 1.00 -15 0.75 10 5 0.25 0.00 0 17.75 18.00 18.25 18.50 **Nucleotide Difference** Nucleotide Difference IGHV7-4-1*01 IGHV5-10-1*01_03 7 sequences assigned 5 (71.4%) exact matches, in which: 5 unique CDR3 65 sequences assigned 37 (56.9%) exact matches, in which: 28 unique CDR3 2 unique J 4 unique J 30 4 Count 2 Count 20 2 10 0 0 10 15 20 -0.50.0 0.5 1.0 1.5 Nucleotide Difference **Nucleotide Difference**



