











## IGHV4-61\*01 IGHV5-51\*01 29 sequences assigned 22 (75.9%) exact matches, in which: 22 unique CDR3 5 unique J 114 sequences assigned 84 (73.7%) exact matches, in which: 83 unique CDR3 5 unique J 80 20 60 15 Count 40 10 20 5 0 0 0.0 2.5 5.0 Nucleotide Difference Nucleotide Difference IGHV4-61\*02\_A234G IGHV5-51\*03 118 sequences assigned 79 (66.9%) exact matches, in which: 79 unique CDR3 37 sequences assigned 33 (89.2%) exact matches, in which: 33 unique CDR3 5 unique J 5 unique J 80 30 60 Count 20 Count 40 10 20 0 0 -0.50.0 0.5 1.0 1.5 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1\*03 IGHV6-1\*01 81 sequences assigned 47 sequences assigned 75 (92.6%) exact matches, in which: 75 unique CDR3 37 (78.7%) exact matches, in which: 35 unique CDR3 5 unique J 6 unique J 30 60 Count 09 20 20 10 0 0 10 5 Nucleotide Difference Nucleotide Difference



