









## IGHV5-51\*07\_A128G IGHV4-39\*02\_C258G 364 sequences assigned 336 (92.3%) exact matches, in which: 336 unique CDR3 2785 sequences assigned 2594 (93.1%) exact matches, in which: 2494 unique CDR3 6 unique J 6 unique J 300 2000 200 Count 1000 100 0 0 3 **Nucleotide Difference Nucleotide Difference** IGHV4-59\*02\_G88A IGHV6-1\*01\_02 283 sequences assigned 252 (89%) exact matches, in which: 252 unique CDR3 997 sequences assigned 910 (91.3%) exact matches, in which: 871 unique CDR3 6 unique J 6 unique J 250 750 200 150 Count 500 100 250 50 0 0 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1\*01 IGHV4-61\*02 3 sequences assigned 3 (100%) exact matches, in which: 3 unique CDR3 709 sequences assigned 650 (91.7%) exact matches, in which: 640 unique CDR3 2 unique J 6 unique J 3 600 400 Count 200 0 0 -0.250.00 0.25 0.50 -0.50**Nucleotide Difference Nucleotide Difference**



