









IGHV4-59*02_G88A IGHV5-51*07_A128G 762 sequences assigned 738 (96.9%) exact matches, in which: 722 unique CDR3 248 sequences assigned 235 (94.8%) exact matches, in which: 234 unique CDR3 6 unique J 6 unique J 200 600 150 Count 400 100 200 50 0 0 **Nucleotide Difference Nucleotide Difference** IGHV6-1*01_02 IGHV4-61*01 92 sequences assigned 85 (92.4%) exact matches, in which: 85 unique CDR3 1 sequences assigned No exact matches. 5 unique J 1.00 -80 0.75 60 40 0.25 20 0.00 0 1.75 2.00 2.25 2.50 1.50 0 Nucleotide Difference **Nucleotide Difference** IGHV5-10-1*01_03 IGHV7-4-1*02 59 sequences assigned 206 sequences assigned 55 (93.2%) exact matches, in which: 197 (95.6%) exact matches, in which: 55 unique CDR3 197 unique CDR3 5 unique J 5 unique J 200 150 40 Count 100 20 50 0 0 -0.50.0 0.5 1.0 1.5 **Nucleotide Difference** Nucleotide Difference



