









## IGHV4-59\*08 IGHV5-51\*03 4094 sequences assigned 52 (1.3%) exact matches, in which: 39 unique CDR3 7322 sequences assigned 357 (4.9%) exact matches, in which: 297 unique CDR3 5 unique J 6 unique J 400 200 Count Count 100 200 0 0 10 15 10 15 20 5 20 0 5 **Nucleotide Difference Nucleotide Difference** IGHV6-1\*01 IGHV4-61\*02 708 sequences assigned 27 (3.8%) exact matches, in which: 15 unique CDR3 4 unique J 3 sequences assigned No exact matches. 1.00 -60 0.75 40 Count Count 20 0.25 0.00 0 14 15 16 17 18 0 5 10 15 20 Nucleotide Difference Nucleotide Difference IGHV5-51\*01 IGHV7-4-1\*02 2732 sequences assigned 2 (0.1%) exact matches, in which: 3230 sequences assigned 236 (7.3%) exact matches, in which: 2 unique CDR3 2 unique J 211 ùniqué CDR3 5 unique J





