









IGHV4-59*01 IGHV6-1*01 IGHV5-10-1*03 475 sequences assigned 85 (17.9%) exact matches, in which: 178 sequences assigned 31 (17.4%) exact matches, in which: 537 sequences assigned 119 (22.2%) exact matches, in which: 118 unique CDR3 84 unique CDR3 31 unique CDR3 5 unique J 5 unique J 5 unique J 30 80 100 60 20 75 Count Count 40 50 10 20 25 0 0 0 5 10 15 20 0 0 10 15 20 10 20 5 15 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV4-59*08 IGHV7-4-1*02 IGHV5-51*01 455 sequences assigned 174 sequences assigned 35 (20.1%) exact matches, in which: 175 sequences assigned 72 (15.8%) exact matches, in which: No exact matches. 72 unique CDR3 34 unique CDR3 5 unique J 5 unique J 30 30 60 20 Count Count Count 20 40 10 10 20 0 0 0 5 15 20 0 10 0 10 15 20 15 20 0 10 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV5-51*03 IGHV4-61*03 414 sequences assigned 1 sequences assigned 80 (19.3%) exact matches, in which: No exact matches. 79 unique CDR3 5 unique J 1.00 80 0.75 60 Count 0.50 40 0.25 20

0

0

10

Nucleotide Difference

15

20

0.00

6.50

6.75

7.00

Nucleotide Difference

7.25

7.50



