











IGHV6-1*01 IGHV5-10-1*03 138 sequences assigned 68 (49.3%) exact matches, in which: 256 sequences assigned 163 (63.7%) exact matches, in which: 68 unique CDR3 163 unique CDR3 4 unique J 6 unique J 150 60 100 Count Count 40 50 20 0 0 10 15 0 0 5 10 15 **Nucleotide Difference** Nucleotide Difference IGHV5-51*01 IGHV7-4-1*01 329 sequences assigned 161 (48.9%) exact matches, in which: 1 sequences assigned No exact matches. 161 unique CDR3 6 unique J 1.00 150 0.75 100 Count Count Count 50 0.25

0.00

0.50

0.75

1.00

Nucleotide Difference

1.25

1.50

IGHV5-51*03

5

10

Nucleotide Difference

0

0

161 sequences assigned 91 (56.5%) exact matches, in which: 89 unique CDR3 5 unique J

15

20





