









## IGHV4-39\*01 IGHV4-61\*03 244 sequences assigned 43 (17.6%) exact matches, in which: 6 sequences assigned 43 unique CDR3 No exact matches. 6 unique J 1.00 -40 0.75 30 Count 0.50 Count 20 0.25 10 0.00 0 9 12 15 18 21 0 10 15 20 5 **Nucleotide Difference** Nucleotide Difference IGHV4-59\*01 IGHV5-51\*01 138 sequences assigned 21 (15.2%) exact matches, in which: 21 unique CDR3 195 sequences assigned 24 (12.3%) exact matches, in which: 24 unique CDR3 4 unique J 3 unique J 25 20 20 15 15 Count 10 10 5 5 0 0 10 15 20 10 15 20 0 0 5 Nucleotide Difference Nucleotide Difference IGHV4-61\*01 IGHV6-1\*01 27 sequences assigned 4 (14.8%) exact matches, in which: 4 unique CDR3 76 sequences assigned 13 (17.1%) exact matches, in which: 13 unique CDR3 2 unique J 3 unique J 10 3 Count Count 2 5 1 0 0

0

0

5

10

Nucleotide Difference

15

20

5

10

Nucleotide Difference

15

20

IGHV7-4-1\*02

6 (7.2%) exact matches, in which:

10

Nucleotide Difference

5

15

20

83 sequences assigned

6 uniqué CDR3

2 unique J

7.5

2.5

0.0

Count 5.0



Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found.