









## IGHV4-NL\_5\*01\_S1492 IGHV5-157\*02\_S7648 90 sequences assigned 7 (7.8%) exact matches, in which: 21 sequences assigned 6 unique CDR3 No exact matches. 1 unique J 1.00 -15 0.75 Count Count Count 10 0.25 5 0.00 0 8.50 8.75 9.00 9.25 9.50 0 10 15 **Nucleotide Difference** Nucleotide Difference IGHV5-15\*01\_S5299 IGHV7-86\*01\_S0772 325 sequences assigned 23 (7.1%) exact matches, in which: 16 unique CDR3 162 sequences assigned 16 (9.9%) exact matches, in which: 12 unique CDR3 1 unique J 1 unique J 40 20 30 15 Count 20 10 10 5 0 0 0 10 15 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference** IGHV5-157\*02\_S3096 IGHV7-135\*02\_S1424 12 sequences assigned 3 sequences assigned No exact matches. No exact matches. 1.00 3 0.75 Count 2 Count Count 0.25 0.00 0 3 15 10 20

**Nucleotide Difference** 

**Nucleotide Difference** 



