











## IGHV4-61\*01 IGHV5-51\*03 42 sequences assigned 33 (78.6%) exact matches, in which: 215 sequences assigned 154 (71.6%) exact matches, in which: 33 unique CDR3 4 unique J 153 unique CDR3 5 unique J 150 30 100 Count 50 10 0 0 0 10 0 10 15 **Nucleotide Difference** Nucleotide Difference IGHV5-10-1\*03 IGHV6-1\*01 267 sequences assigned 205 (76.8%) exact matches, in which: 210 sequences assigned 144 (68.6%) exact matches, in which: 205 unique CDR3 143 unique CDR3 6 unique J 6 unique J 150 200 150 100 Count 100 50 50 0 0 5 10 15 10 15 20 0 0 **Nucleotide Difference** Nucleotide Difference IGHV7-4-1\*01 IGHV5-51\*01 7 sequences assigned 5 (71.4%) exact matches, in which: 5 unique CDR3 400 sequences assigned 216 (54%) exact matches, in which: 216 unique CDR3 3 unique J 6 unique J 200 4 150 Count 2 Count 2 50 1 0 0 10 **Nucleotide Difference Nucleotide Difference**



talling to more sequences out a	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	