











## IGHV4-59\*12 IGHV1/OR15-2\*02\_03 529 sequences assigned 1 sequences assigned 68 (12.9%) exact matches, in which: No exact matches. 68 unique CDR3 6 unique J 1.00 -150 0.75 100 Count 0.50 Count 50 0.25 0.00 0 16.50 16.75 17.00 17.25 5 10 15 20 0 **Nucleotide Difference Nucleotide Difference** IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G 3489 sequences assigned 1081 (31%) exact matches, in which: 3010 sequences assigned 1494 (49.6%) exact matches, in which: 1035 unique CDR3 1096 unique CDR3 6 unique J 6 unique J 1500 900 1000 Count 000 500 300







