

















IGHV6-1*01_02 IGHV4-61*08 1580 sequences assigned 120 (7.6%) exact matches, in which: 108 unique CDR3 281 sequences assigned No exact matches. 6 unique J 150 40 30 100 Count 20 50 10 0 0 5 10 15 20 0 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV7-4-1*01 IGHV5-10-1*01_03 13 sequences assigned 7 (53.8%) exact matches, in which: 7 unique CDR3 1799 sequences assigned 570 (31.7%) exact matches, in which: 467 unique CDR3 2 unique J 6 unique J 6 400 Count 200 2 0 0 5 10 15 20 0 10 0 **Nucleotide Difference Nucleotide Difference** IGHV5-51*01_03 IGHV7-81*01 5035 sequences assigned 1 sequences assigned 1127 (22.4%) exact matches, in which: No exact matches. 899 unique CDR3 6 unique J 1.00 900 0.75 Count 0.50 Count 600 0.25 300 0.00 0

6.50

10

Nucleotide Difference

15

20

6.75

7.00

Nucleotide Difference

7.25

7.50



Novel sequence(s) IGHV4-59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30-3*01_T288C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30*03_T288C are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV3-33*01_G75C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-33*01_G75C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30*03_T288C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning - no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1-69*04_09_G112A IGHV4-59*02_G88A IGHV5-10-1*01_03_T258C IGHV5-51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1-69*08_C191T IGHV3-48*03_T303G IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.