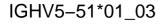
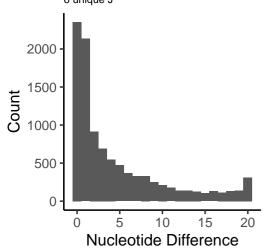


IGHV6-1*01_02 IGHV4-61*08 1476 sequences assigned 293 (19.9%) exact matches, in which: 260 unique CDR3 947 sequences assigned No exact matches. 6 unique J 150 300 -100 200 Count 50 100 0 5 10 15 20 0 10 15 5 20 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1*01_03 IGHV7-4-1*02 13 sequences assigned 5355 sequences assigned 1253 (23.4%) exact matches, in which: 1076 unique CDR3 No exact matches. 6 unique J 3 1200 -Count 800 400 0 0 10 10 15 **Nucleotide Difference Nucleotide Difference**



12735 sequences assigned 2354 (18.5%) exact matches, in which: 1487 unique CDR3 6 unique J





Novel sequence(s) IGHV1-69*01_12_13_G238A IGHV3-48*03_T303G 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.

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

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.