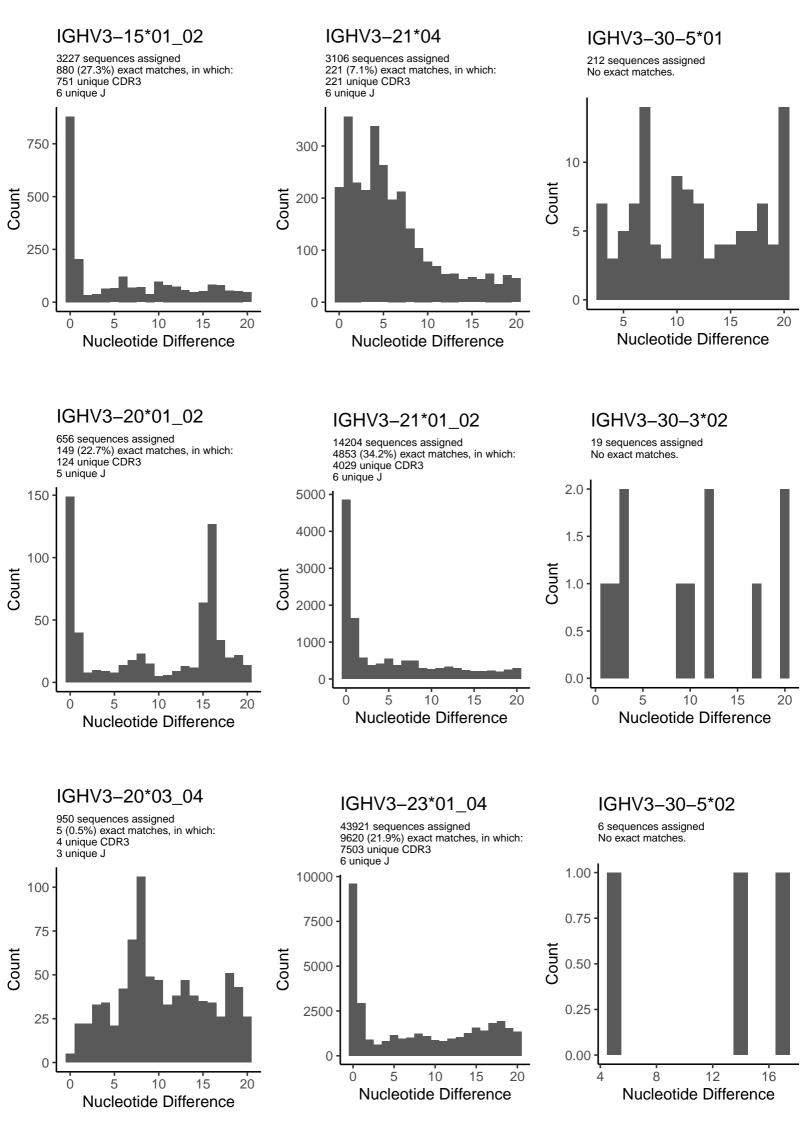


IGHV1-NL1*01 IGHV1-58*02 IGHV1-69*01_12_13 5 sequences assigned 471 sequences assigned 11346 sequences assigned 5060 (44.6%) exact matches, in which: No exact matches. 259 (55%) exact matches, in which: 250 unique CDR3 4947 unique CDR3 6 unique J 6 unique J 4 5000 3 4000 200 3000 Count 2 2000 100 1000 0 0 0 10 15 20 5 10 15 20 7.5 8.0 8.5 9.0 9.5 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference** IGHV1-58*01_03 IGHV2-5*01 IGHV1-69*04_09 669 sequences assigned 341 (51%) exact matches, in which: 2012 sequences assigned 10612 sequences assigned 4926 (46.4%) exact matches, in which: 473 (23.5%) exact matches, in which: 323 unique CDR3 453 unique CDR3 4768 unique CDR3 6 unique J 6 unique J 6 unique J 5000 300 400 4000 300 3000 Count 200 200 2000 100 1000 100 0 0 0 0 10 15 20 10 15 20 20 0 5 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV1-69-2*01 IGHV1-69*06_14 IGHV2-5*02 93 sequences assigned 2585 sequences assigned 7947 sequences assigned 31 (33.3%) exact matches, in which: 714 (27.6%) exact matches, in which: 723 (9.1%) exact matches, in which: 30 unique CDR3 710 unique CDR3 693 unique CDR3 4 unique J 6 unique J 6 unique J 30 600 600 Count Count 400 400 10 200 200 0 0 0 10 15 20 10 15 20 0 10 15 20 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference

IGHV2-26*01 IGHV3-7*01 IGHV3-11*01 1108 sequences assigned 278 (25.1%) exact matches, in which: 20869 sequences assigned 3688 (17.7%) exact matches, in which: 7859 sequences assigned 2354 (30%) exact matches, in which: 266 unique CDR3 3105 unique CDR3 2046 unique CDR3 5 unique J 6 unique J 6 unique J 2000 3000 200 1500 Count Count 2000 1000 100 1000 500 0 0 0 0 10 15 20 10 15 5 10 15 20 0 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV2-70*01 IGHV3-7*03 IGHV3-11*04 576 sequences assigned 246 (42.7%) exact matches, in which: 1420 sequences assigned 3533 sequences assigned 157 (4.4%) exact matches, in which: 433 (30.5%) exact matches, in which: 232 unique CDR3 155 unique CDR3 425 unique CDR3 6 unique J 5 unique J 6 unique J 250 400 200 200 300 150 Count 200 100 100 100 50 0 0 0 20 10 15 5 10 15 20 10 15 20 0 5 0 0 5 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV2-70D*04 IGHV3-13*01 IGHV3-9*01_A104G 31 sequences assigned 2749 sequences assigned 24352 sequences assigned 6181 (25.4%) exact matches, in which: No exact matches. 903 (32.8%) exact matches, in which: 752 unique CDR3 4836 unique CDR3 6 unique J 6 unique J 6000 6 750 4000 Count Count 500 2000 2 250 0 0 0 10 15 20 10 15 20 2.5 5.0 7.5 10.0 12.5 0 0.0 Nucleotide Difference Nucleotide Difference Nucleotide Difference



IGHV3-30-3*03 IGHV3-35*01 IGHV3-33*01 363 sequences assigned 57 sequences assigned 8008 sequences assigned 2299 (28.7%) exact matches, in which: 3 (0.8%) exact matches, in which: 1 (1.8%) exact matches, in which: 1 unique CDR3 3 unique CDR3 2033 unique CDR3 2 unique J 1 unique J 6 unique J 20 2000 40 15 1500 Count Count 10 1000 20 500 5 0 0 10 15 20 0 10 15 10 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference IGHV3-38-3*01 IGHV3-33*06 IGHV3-30*04_C203T 84 sequences assigned 8132 sequences assigned 7915 sequences assigned 2592 (32.7%) exact matches, in which: 19 (22.6%) exact matches, in which: 939 (11.5%) exact matches, in which: 19 unique CDR3 784 unique CDR3 2208 unique CDR3 4 unique J 6 unique J 6 unique J 750 2000 Count Count 500 10 1000 250 5 0 0 0 10 20 20 5 10 15 0 10 0 5 15 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-30*04_C203T_T2 IGHV3-33*08 IGHV3-38*03 1551 sequences assigned 2007 sequences assigned 8 sequences assigned 282 (18.2%) exact matches, in which: 220 (11%) exact matches, in which: No exact matches. 280 unique CDR3 215 unique CDR3 6 unique J 6 unique J 2.0 200 1.5 200 150 Count 1.0 100 100 0.5 50 0.0 0 0 5.0 7.5 10.0 12.5 20 10 15 5 10 15 20 Nucleotide Difference **Nucleotide Difference Nucleotide Difference**

