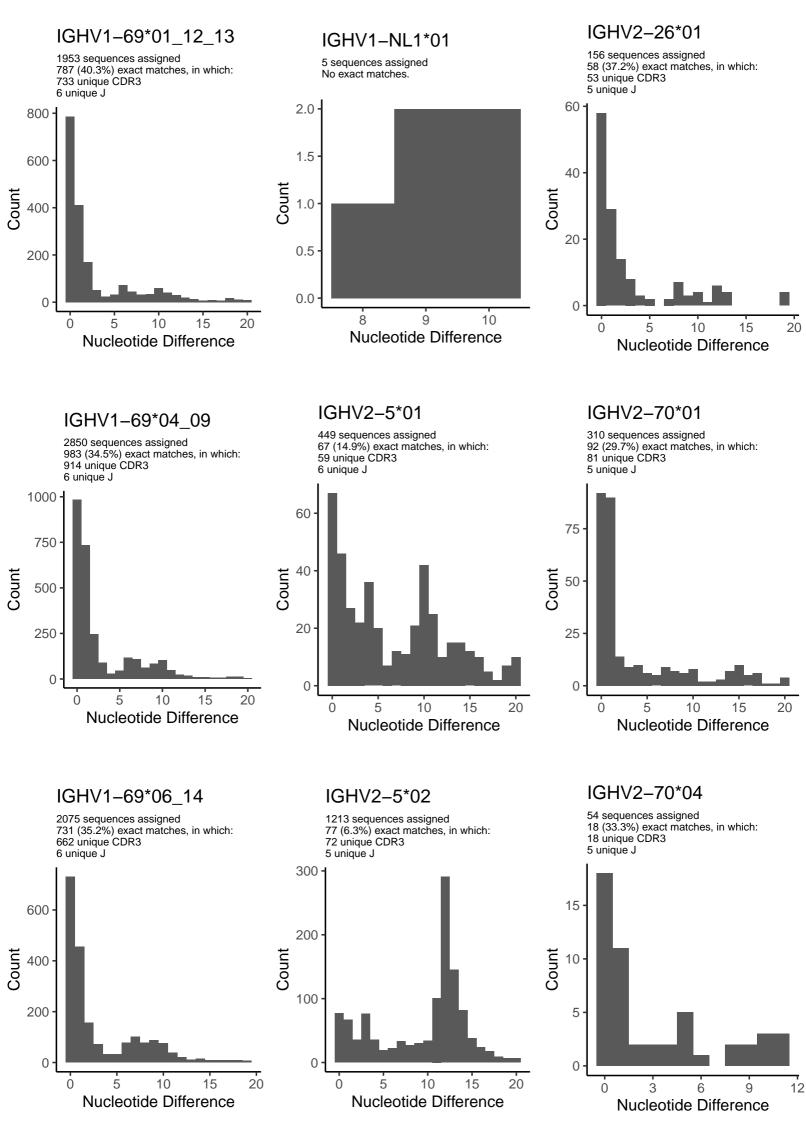
## IGHV1-2\*02 IGHV1-46\*01 IGHV1-8\*01 4349 sequences assigned 2324 sequences assigned 4077 sequences assigned 1011 (24.8%) exact matches, in which: 729 (16.8%) exact matches, in which: 525 (22.6%) exact matches, in which: 490 unique CDR3 673 unique CDR3 925 unique CDR3 6 unique J 6 unique J 6 unique J 1000 500 600 400 750 Count 300 400 500 200 200 250 100 0 0 0 0 10 15 20 10 15 20 10 15 20 0 5 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-2\*04 IGHV1-58\*01\_03 IGHV1-18\*01 458 sequences assigned 119 (26%) exact matches, in which: 654 sequences assigned 265 (40.5%) exact matches, in which: 5741 sequences assigned 1257 (21.9%) exact matches, in which: 106 unique CDR3 243 unique CDR3 1103 unique CDR3 6 unique J 4 unique J 6 unique J 1200 100 200 800 75 Count Count 50 100 400 25 0 0 0 0 10 20 10 15 20 10 15 20 0 5 0 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference IGHV1-24\*01 IGHV1-3\*01\_05 IGHV1-69-2\*01 282 sequences assigned 1108 sequences assigned sequences assigned 95 (33.7%) exact matches, in which: 227 (20.5%) exact matches, in which: 1 (14.3%) exact matches, in which: 85 unique CDR3 209 unique CDR3 1 unique CDR3 5 unique J 6 unique J 1 unique J 1.00 200 75 0.75 150 Count 50 0.50 100 25 0.25 50 0.00 0 0 0.50 -0.250.00 0.25 -0.5010 15 20 0 10 15 20 **Nucleotide Difference Nucleotide Difference Nucleotide Difference**



## IGHV2-70\*12 IGHV3-9\*01 IGHV3-13\*01 32 sequences assigned 4079 sequences assigned 671 (16.5%) exact matches, in which: 907 sequences assigned 104 (11.5%) exact matches, in which: 84 unique CDR3 3 (9.4%) exact matches, in which: 3 unique CDR3 477 unique CDR3 2 unique J 6 unique J 5 unique J 6 100 600 75 4 400 Count Count Count 50 2 200 25 0 0 0 20 5 10 15 20 5 10 15 0 0 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-7\*01 IGHV3-11\*01 IGHV3-15\*01\_02 1470 sequences assigned 274 (18.6%) exact matches, in which: 6922 sequences assigned 716 (10.3%) exact matches, in which: 2267 sequences assigned 532 (23.5%) exact matches, in which: 404 unique CDR3 193 unique CDR3 537 unique CDR3 6 unique J 6 unique J 6 unique J 600 400 200 Count Count Count 400 200 100 200 0 0 0 20 10 15 20 10 15 15 20 0 5 0 5 0 5 10 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-19\*01 IGHV3-7\*03 IGHV3-11\*04 4 sequences assigned 1343 sequences assigned 372 sequences assigned 3 (75%) exact matches, in which: 67 (5%) exact matches, in which: 106 (28.5%) exact matches, in which: 2 unique CDR3 54 unique CDR3 102 unique CDR3 1 unique J 4 unique J 5 unique J 125 100 100 75 2 75 Count Count 50 50 25 25 0 0 0 20 5 10 15 20 5 10 15 0 0.5 1.5 -0.50.0 1.0 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference

