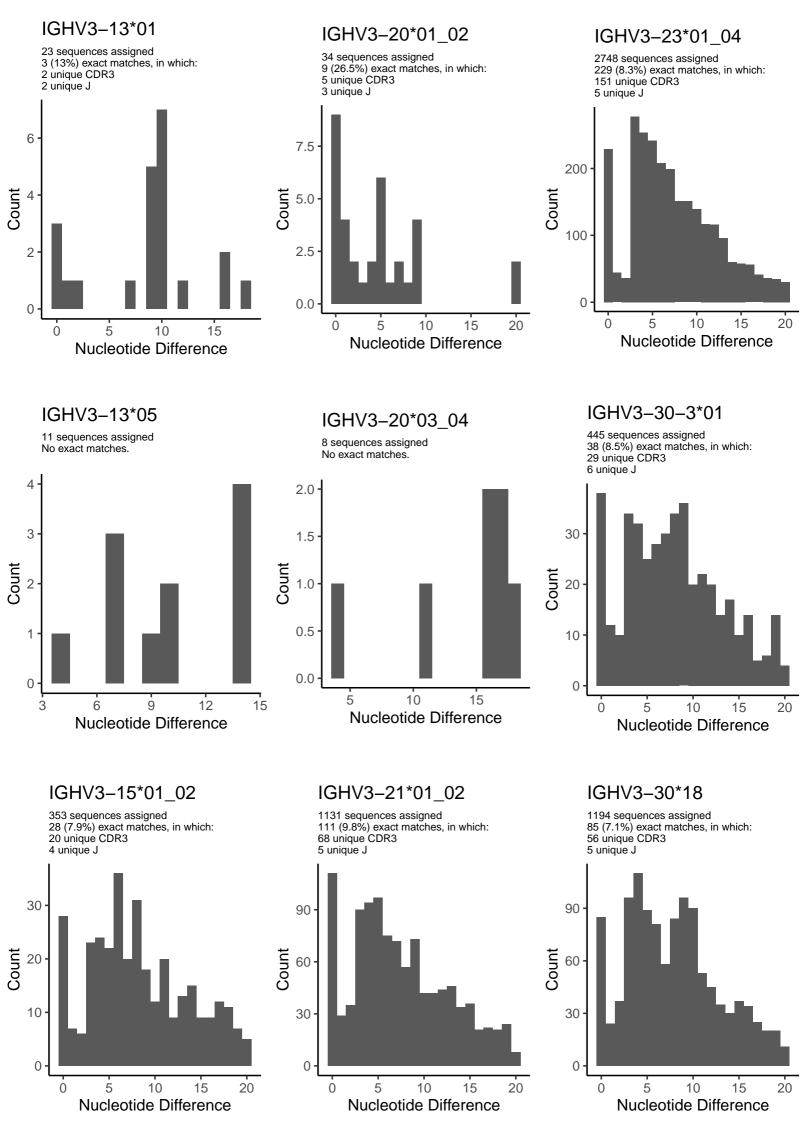


IGHV2-5*02 IGHV3-9*01 IGHV2-70D*14 254 sequences assigned 21 (8.3%) exact matches, in which: 267 sequences assigned 8 sequences assigned 15 (5.6%) exact matches, in which: No exact matches. 15 unique CDR3 17 unique CDR3 5 unique J 4 unique J 3 30 30 20 Count Count 20 10 10 0 0 5.0 7.5 10.0 5 10 5 10 0 15 15 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV2-26*01 IGHV3-7*01 IGHV3-11*01 37 sequences assigned 5 (13.5%) exact matches, in which: 5 unique CDR3 1179 sequences assigned 310 sequences assigned 30 (9.7%) exact matches, in which: 49 (4.2%) exact matches, in which: 32 unique CDR3 19 unique CDR3 3 unique J 5 unique J 4 unique J 5 30 90 4 3 Count Count 20 60 2 10 30 0 0 0 10 15 20 10 15 20 0 5 0 5 10 15 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV2-70*11_15 IGHV3-7*03 IGHV3-11*06 66 sequences assigned 1082 sequences assigned 140 sequences assigned 8 (12.1%) exact matches, in which: 8 unique CDR3 49 (4.5%) exact matches, in which: 16 (11.4%) exact matches, in which: 28 unique CDR3 10 unique CDR3 3 unique J 4 unique J 4 unique J 20 90 6 15 Count 60 10 30 2 5 0 0 0 0 5 10 15 20 5 10 15 0 5 10 15 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference**



IGHV3-33*01 IGHV3-66*01 IGHV3-49*03_05 717 sequences assigned 285 sequences assigned 14 (4.9%) exact matches, in which: 93 sequences assigned 40 (5.6%) exact matches, in which: 3 (3.2%) exact matches, in which: 28 unique CDR3 2 uniqué CDR3 8 unique CDR3 4 unique J 2 unique J 3 unique J 50 7.5 60 40 30 Count Count 5.0 20 2.5 20 10 0.0 0 0 10 15 20 0 5 10 0 5 15 5 10 15 **Nucleotide Difference Nucleotide Difference Nucleotide Difference** IGHV3-53*01_02 IGHV3-66*02 IGHV3-43*01 571 sequences assigned 41 (7.2%) exact matches, in which: 230 sequences assigned 112 sequences assigned 16 (7%) exact matches, in which: 10 (8.9%) exact matches, in which: 28 unique CDR3 11 unique CDR3 5 unique CDR3 3 unique J 4 unique J 2 unique J 80 10.0 30 60 7.5 20 Count Count 40 5.0 10 2.5 20 0.0 0 0 20 15 5 10 0 10 15 20 15 20 0 5 0 5 10 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-64*01 IGHV3-48*02 IGHV3-69-1*01 129 sequences assigned 1390 sequences assigned 80 (5.8%) exact matches, in which: 1 sequences assigned 15 (11.6%) exact matches, in which: 8 unique CDR3 No exact matches. 47 uniqué CDR3 3 unique J 6 unique J 15 1.00 100 0.75 75 10 Count 0.50 50 5 0.25 25

0

0

5

10

Nucleotide Difference

15

20

0

5

10

Nucleotide Difference

15

20

0.00

16.50

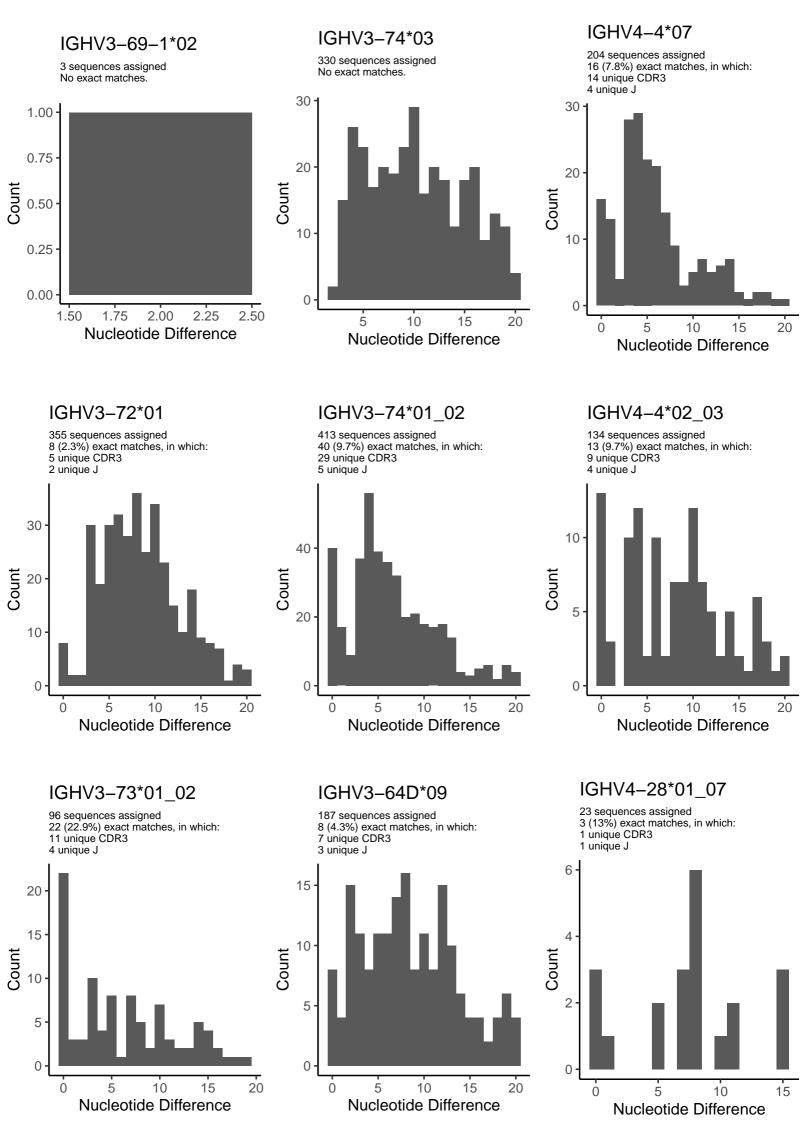
16.75

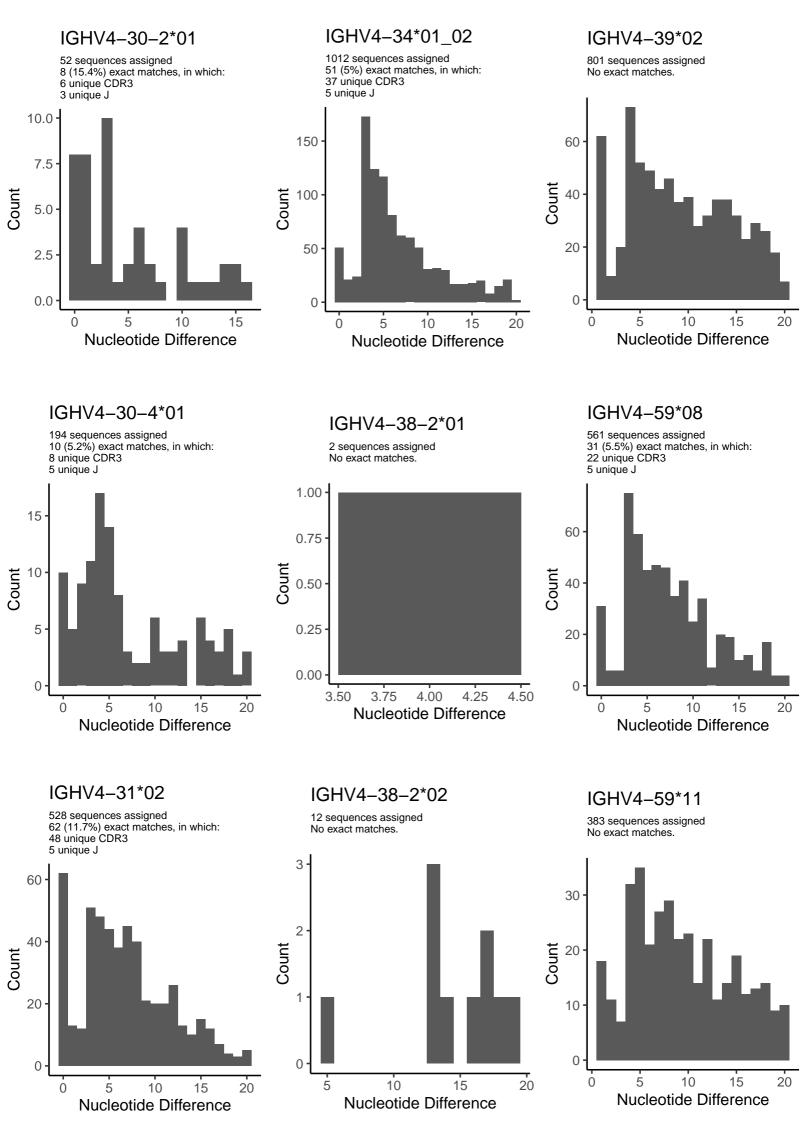
17.00

Nucleotide Difference

17.25

17.50





IGHV6-1*01_02 IGHV4-59*01_07 282 sequences assigned 6 (2.1%) exact matches, in which: 926 sequences assigned 58 (6.3%) exact matches, in which: 44 unique CDR3 5 unique CDR3 3 unique J 5 unique J 120 -90 40 Count 60 20 30 0 0 5 10 15 20 10 15 **Nucleotide Difference** Nucleotide Difference IGHV4-61*02 IGHV7-4-1*01 624 sequences assigned 65 (10.4%) exact matches, in which: 55 unique CDR3 1 sequences assigned No exact matches. 6 unique J 1.00 -75 0.75 Count Count Count 50 0.25 25 0.00 0 10.75 11.00 11.25 11.50 10.50 0 10 15 20 **Nucleotide Difference** Nucleotide Difference IGHV5-10-1*01_03 IGHV7-4-1*02 40 sequences assigned 4 (10%) exact matches, in which: 4 unique CDR3 1 sequences assigned No exact matches. 3 unique J 8 1.00 0.75 6 Count 0.50 Count ⁴ 0.25 2 0.00 0

10.50

5

0

15

10

Nucleotide Difference

10.75

11.00

Nucleotide Difference

11.25

11.50



