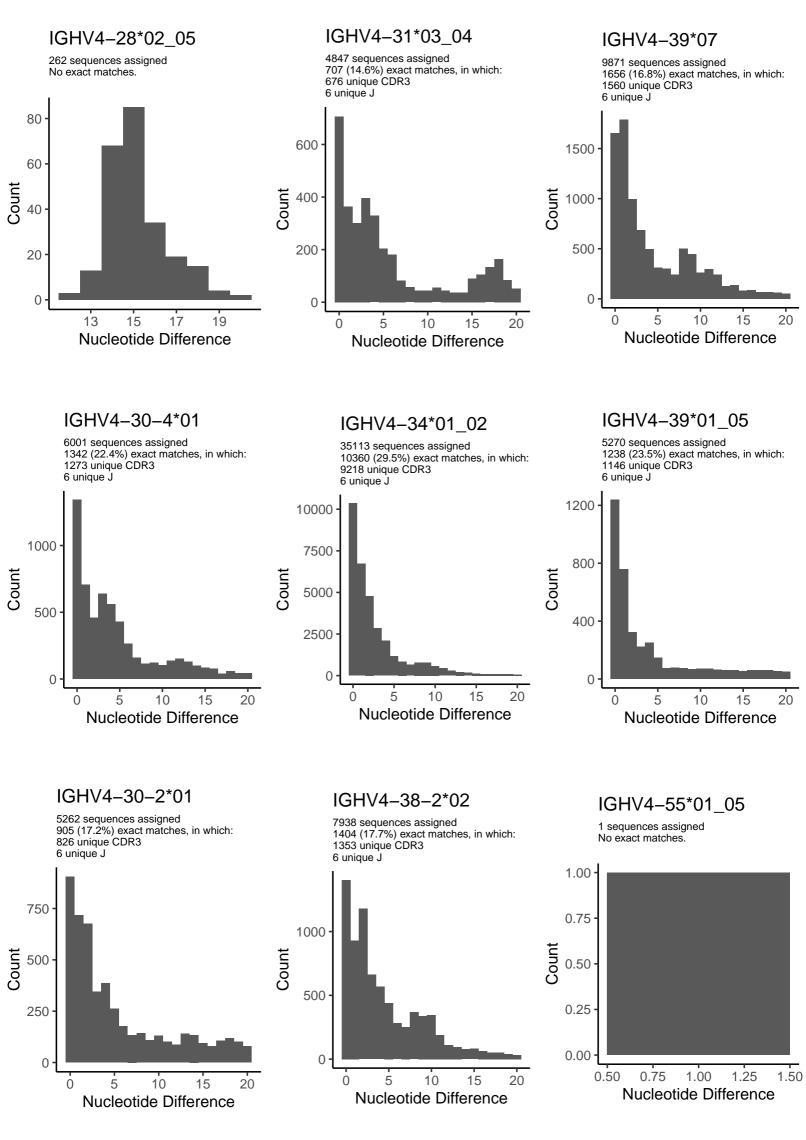
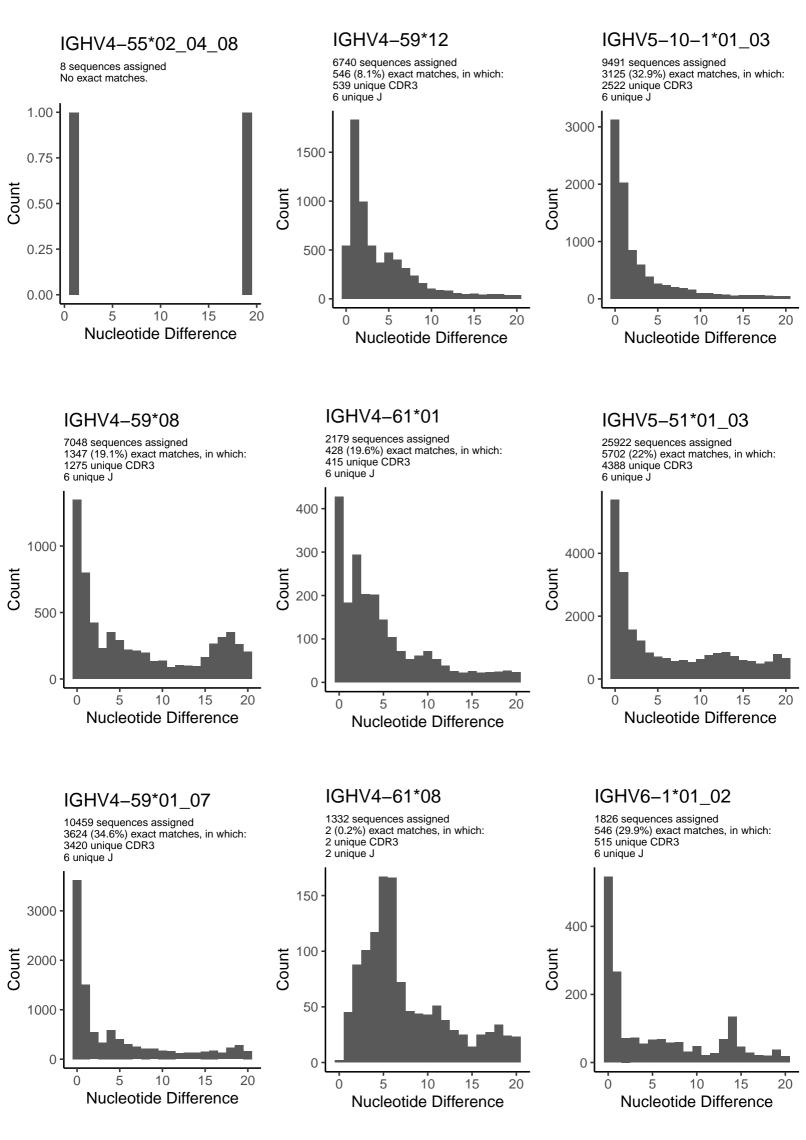


## IGHV3-72\*01 IGHV3-43D\*03 IGHV4-4\*07 979 sequences assigned 880 sequences assigned 4676 sequences assigned 984 (21%) exact matches, in which: 54 (5.5%) exact matches, in which: 43 unique CDR3 269 (30.6%) exact matches, in which: 217 unique CDR3 937 unique CDR3 5 unique J 6 unique J 6 unique J 1000 750 200 100 Count Count 500 100 50 250 0 0 0 10 10 15 20 5 10 15 20 5 0 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV4-28\*03 IGHV3-73\*01\_02 IGHV3-64D\*06 60 sequences assigned 6 (10%) exact matches, in which: 5 unique CDR3 1410 sequences assigned 385 (27.3%) exact matches, in which: 2125 sequences assigned 834 (39.2%) exact matches, in which: 645 unique CDR3 334 unique CDR3 3 unique J 6 unique J 6 unique J 400 800 300 600 Count Count 200 400 2 100 200 0 0 0 20 10 15 10 15 0 5 0 5 20 10 15 20 0 5 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference** IGHV4-28\*01\_07 IGHV3-74\*01\_02 IGHV3-NL1\*01 12 sequences assigned 5432 sequences assigned 1047 (19.3%) exact matches, in which: 140 sequences assigned 2 (16.7%) exact matches, in which: 2 unique CDR3 2 (1.4%) exact matches, in which: 2 unique CDR3 849 unique CDR3 2 unique J 2 unique J 6 unique J 12.5 1000 10.0 750 2 7.5 Count Count 500 5.0 250 2.5 0 0.0 0 0 10 15 20 10 20 5 15 5 10 Nucleotide Difference **Nucleotide Difference**

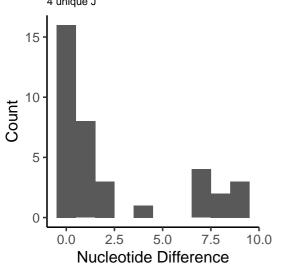
Nucleotide Difference





## IGHV7-4-1\*01

38 sequences assigned 16 (42.1%) exact matches, in which: 16 unique CDR3 4 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.

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.