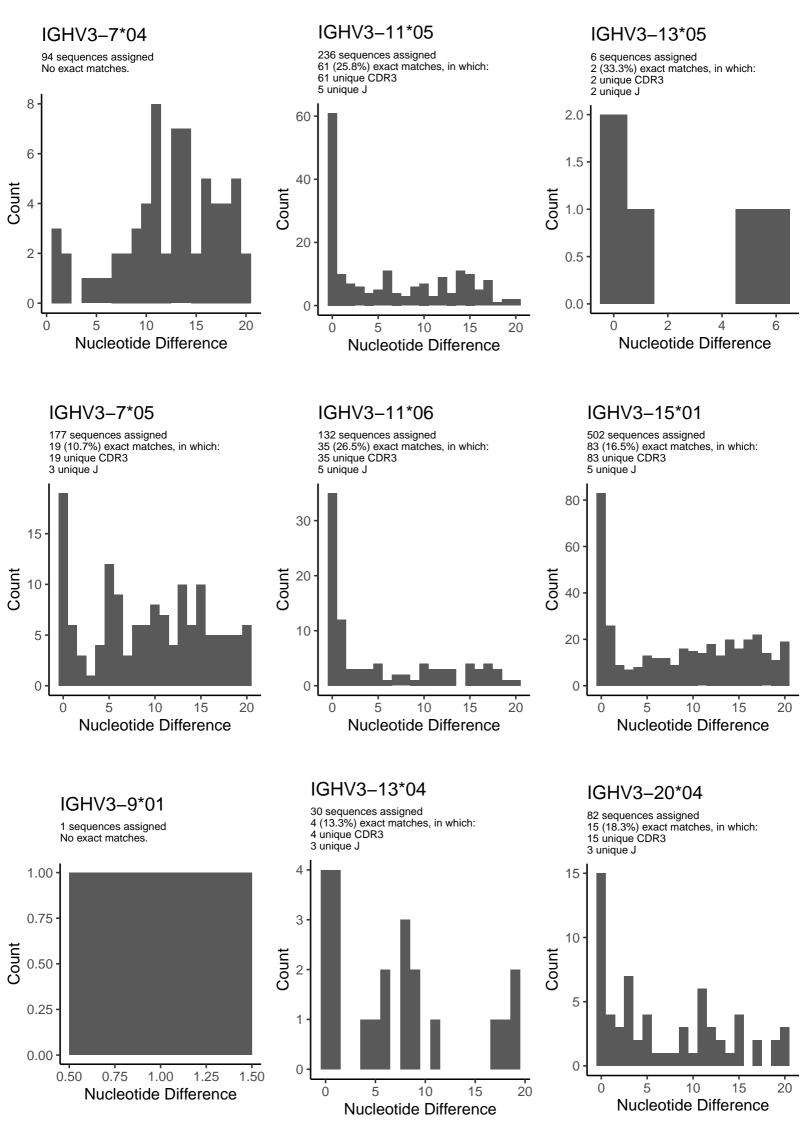
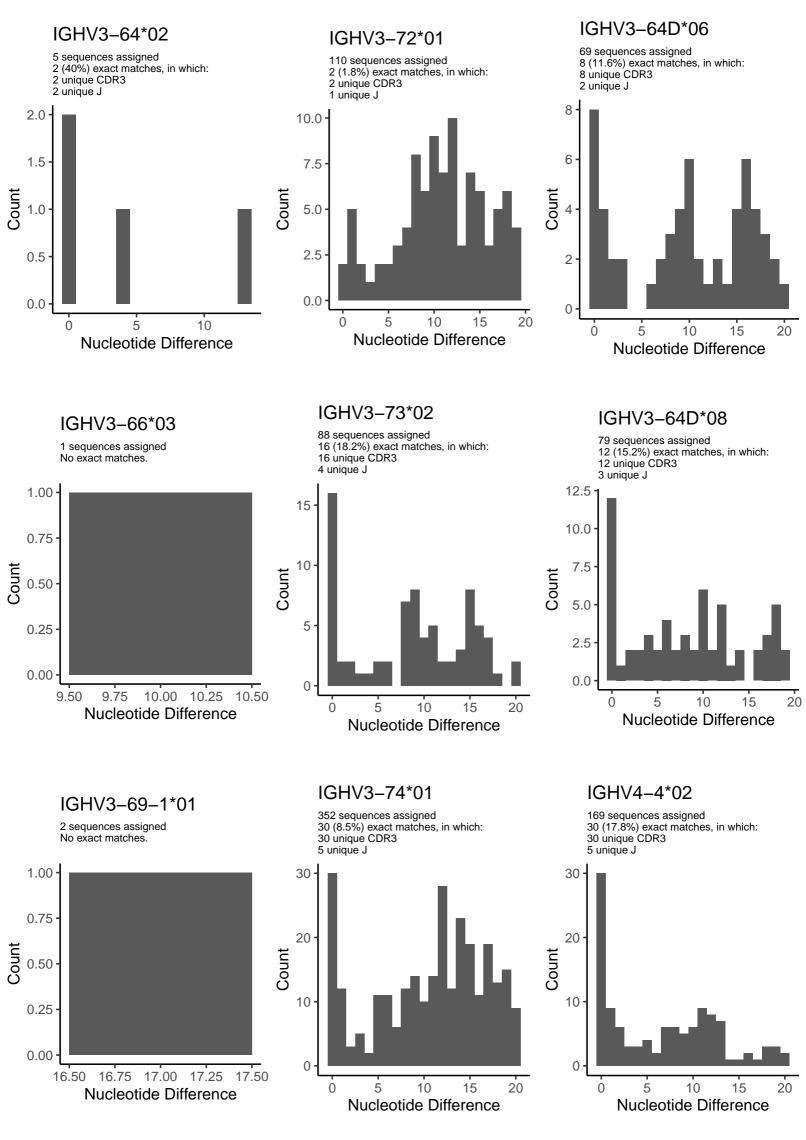
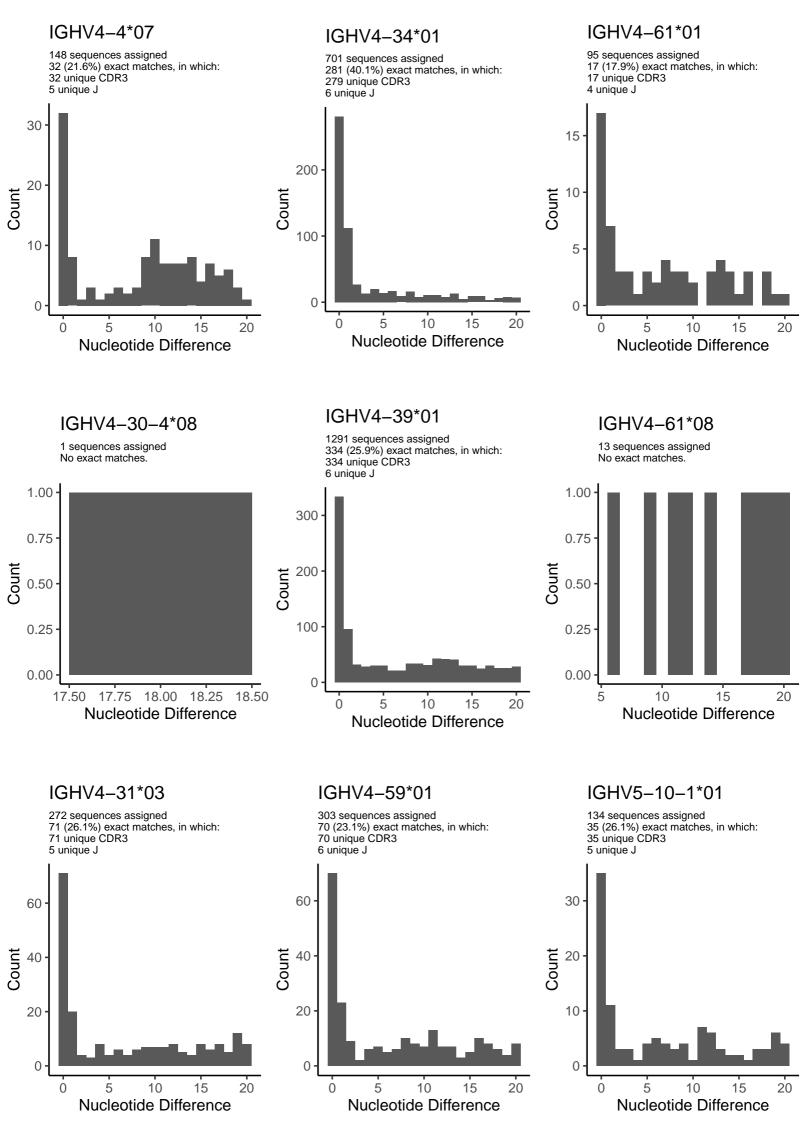


IGHV1-46*03 IGHV2-26*01 IGHV1-69*06 227 sequences assigned 60 (26.4%) exact matches, in which: 146 sequences assigned 319 sequences assigned 65 (44.5%) exact matches, in which: 139 (43.6%) exact matches, in which: 60 unique CDR3 65 unique CDR3 139 unique CDR3 5 unique J 5 unique J 6 unique J 60 100 40 40 Count Count 50 20 20 0 0 0 0 5 10 15 20 0 10 15 5 15 20 0 5 10 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV2-5*01 IGHV2-70*01 IGHV1-58*01 214 sequences assigned 42 sequences assigned 21 (50%) exact matches, in which: 25 sequences assigned 38 (17.8%) exact matches, in which: 10 (40%) exact matches, in which: 21 unique CDR3 38 unique CDR3 10 unique CDR3 4 unique J 5 unique J 3 unique J 10.0 20 30 7.5 15 Count Count Count 20 5.0 10 2.5 10 5 0.0 0 0 5 10 15 0 10 15 20 0 5 0 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-69-2*01 IGHV2-5*02 IGHV3-7*01 15 sequences assigned 5 (33.3%) exact matches, in which: 5 unique CDR3 217 sequences assigned 136 sequences assigned 28 (12.9%) exact matches, in which: 8 (5.9%) exact matches, in which: 28 unique CDR3 8 uniqué CDR3 3 unique J 4 unique J 6 unique J 5 12.5 4 10.0 20 7.5 3 Count Count Count 5.0 2 10 2.5 0.0 0 0 5 20 10 15 0 5 10 15 20 1.5 -0.50.0 0.5 1.0 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference



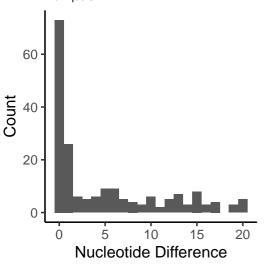
IGHV3-43*02 IGHV3-49*03 IGHV3-21*01 123 sequences assigned 20 (16.3%) exact matches, in which: 127 sequences assigned 14 (11%) exact matches, in which: 853 sequences assigned 232 (27.2%) exact matches, in which: 20 unique CDR3 4 unique J 14 unique CDR3 232 unique CDR3 4 unique J 6 unique J 20 200 15 10 150 Count 10 100 5 5 50 0 0 0 5 10 15 20 0 0 10 20 20 5 15 0 5 10 15 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-48*01 IGHV3-49*04 IGHV3-33*01 295 sequences assigned 33 (11.2%) exact matches, in which: 151 sequences assigned 26 (17.2%) exact matches, in which: 818 sequences assigned 135 (16.5%) exact matches, in which: 32 unique CDR3 26 unique CDR3 135 unique CDR3 5 unique J 3 unique J 6 unique J 30 20 100 20 Count Count Count 10 50 10 0 0 0 10 15 20 0 5 10 15 20 10 15 20 0 5 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-53*04 IGHV3-48*03 IGHV3-35*01 31 sequences assigned 363 sequences assigned 1 sequences assigned 6 (19.4%) exact matches, in which: 6 unique CDR3 65 (17.9%) exact matches, in which: 1 (100%) exact matches, in which: 65 unique CDR3 1 unique CDR3 4 unique J 4 unique J 1 unique J 1.00 60 0.75 40 Count 0.50 Count Count 2 20 0.25 0.00 0 0 -0.250.00 0.25 0.50 -0.500 5 10 15 20 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference





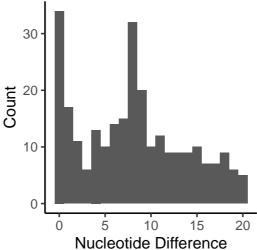
IGHV5-10-1*03

227 sequences assigned 73 (32.2%) exact matches, in which: 73 unique CDR3 4 unique J



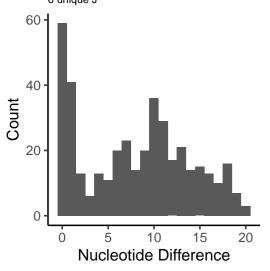
IGHV6-1*01

291 sequences assigned 34 (11.7%) exact matches, in which: 33 unique CDR3 5 unique J



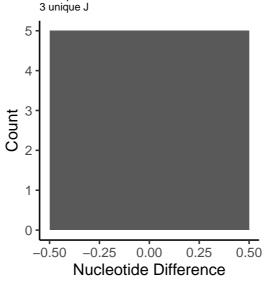
IGHV5-51*01

484 sequences assigned 59 (12.2%) exact matches, in which: 59 unique CDR3 6 unique J



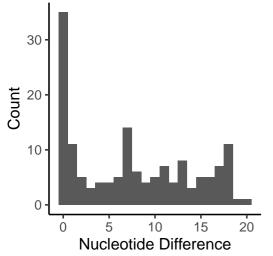
IGHV7-4-1*01

5 sequences assigned 5 (100%) exact matches, in which: 5 unique CDR3



IGHV5-51*03

175 sequences assigned 35 (20%) exact matches, in which: 35 unique CDR3 5 unique J





Warning – no inferred sequences found.

Warning – no inferred sequences found.