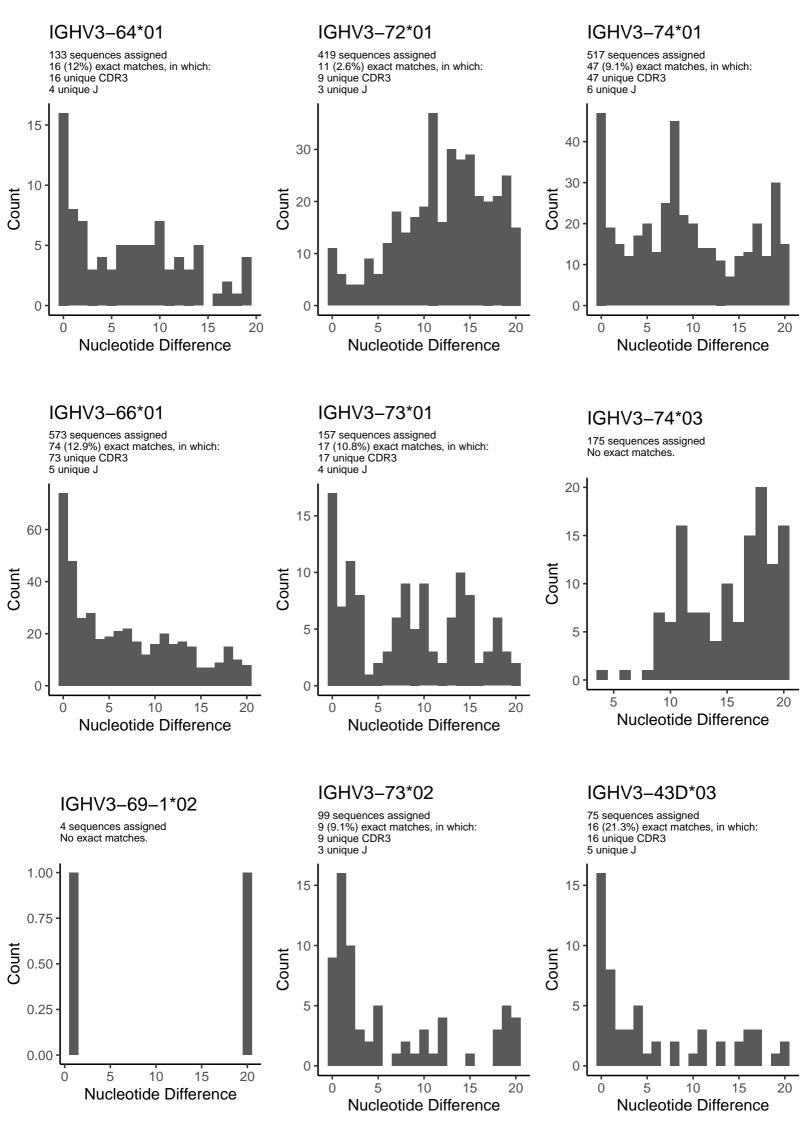
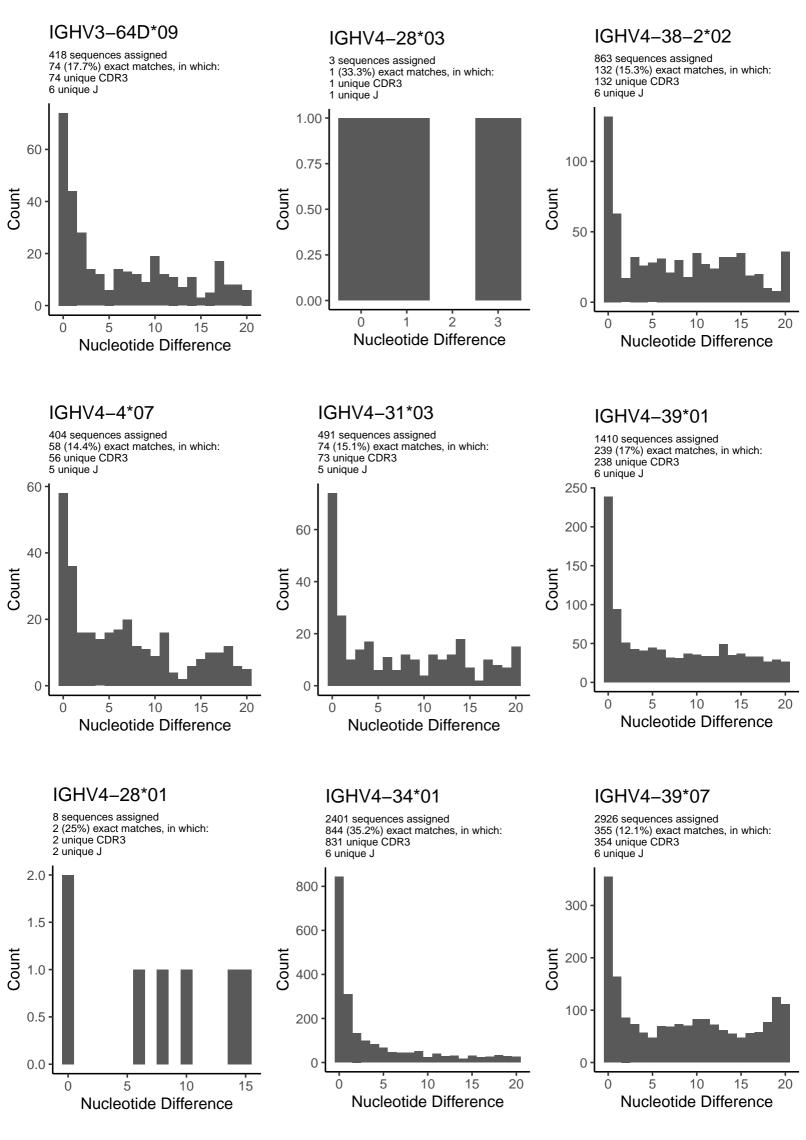
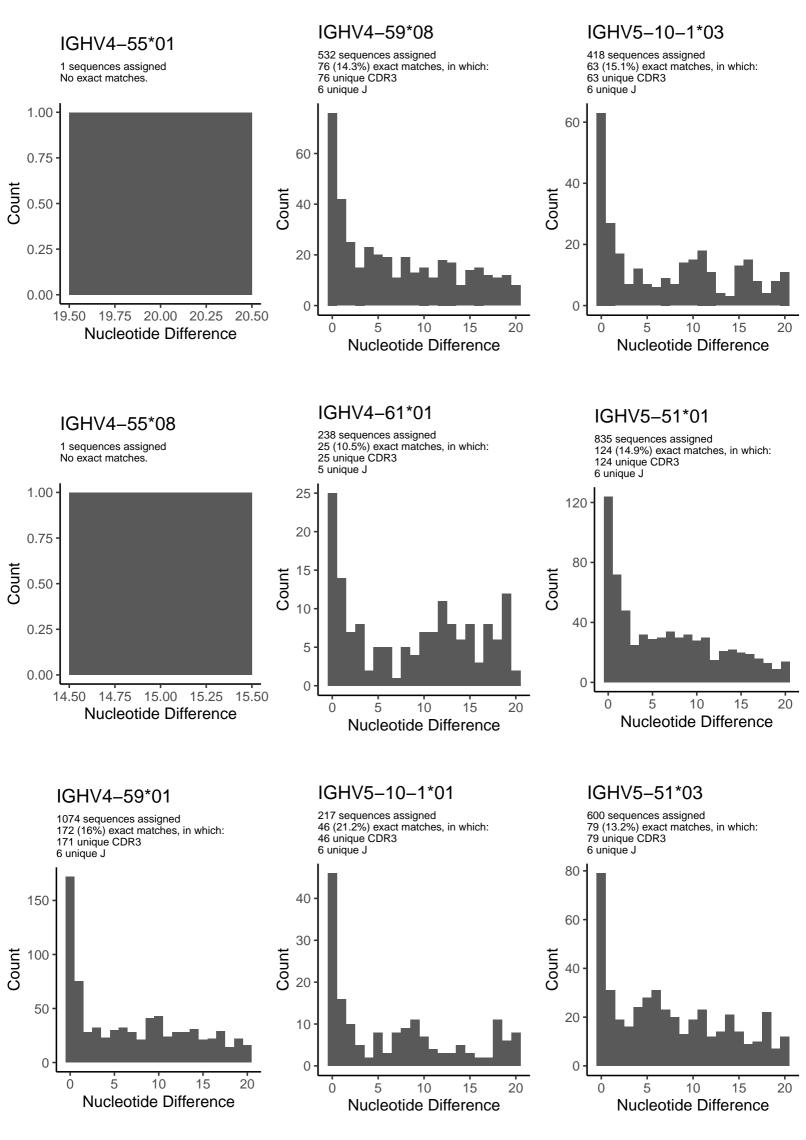


IGHV3-33*01 IGHV3-49*04 IGHV3-48*01 273 sequences assigned 721 sequences assigned 566 sequences assigned 27 (9.9%) exact matches, in which: 69 (9.6%) exact matches, in which: 97 (17.1%) exact matches, in which: 69 unique CDR3 27 unique CDR3 97 unique CDR3 4 unique J 6 unique J 5 unique J 100 60 75 20 Count Count 50 10 20 25 0 0 0 5 10 15 20 0 0 10 15 20 5 0 5 10 15 Nucleotide Difference Nucleotide Difference **Nucleotide Difference** IGHV3-48*02 IGHV3-53*01 IGHV3-41*02 846 sequences assigned 296 sequences assigned 1 sequences assigned 66 (7.8%) exact matches, in which: 51 (17.2%) exact matches, in which: No exact matches. 66 unique CDR3 51 unique CDR3 5 unique J 5 unique J 1.00 -50 60 40 0.75 40 Count Count 0.50 30 20 20 0.25 10 0.00 0 0 19.25 19.50 18.50 18.75 19.00 10 15 20 10 15 20 0 5 0 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV3-43*01 IGHV3-49*03 IGHV3-53*04 182 sequences assigned 238 sequences assigned 127 sequences assigned 23 (9.7%) exact matches, in which: 22 (12.1%) exact matches, in which: 31 (24.4%) exact matches, in which: 22 unique CDR3 23 unique CDR3 31 unique CDR3 5 unique J 3 unique J 5 unique J 30 20 20 15 20 Count Count 10 10 10 5 0 0 0 0 10 15 20 0 10 15 20 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference







IGHV6-1*01

257 sequences assigned 29 (11.3%) exact matches, in which: 29 unique CDR3 5 unique J

