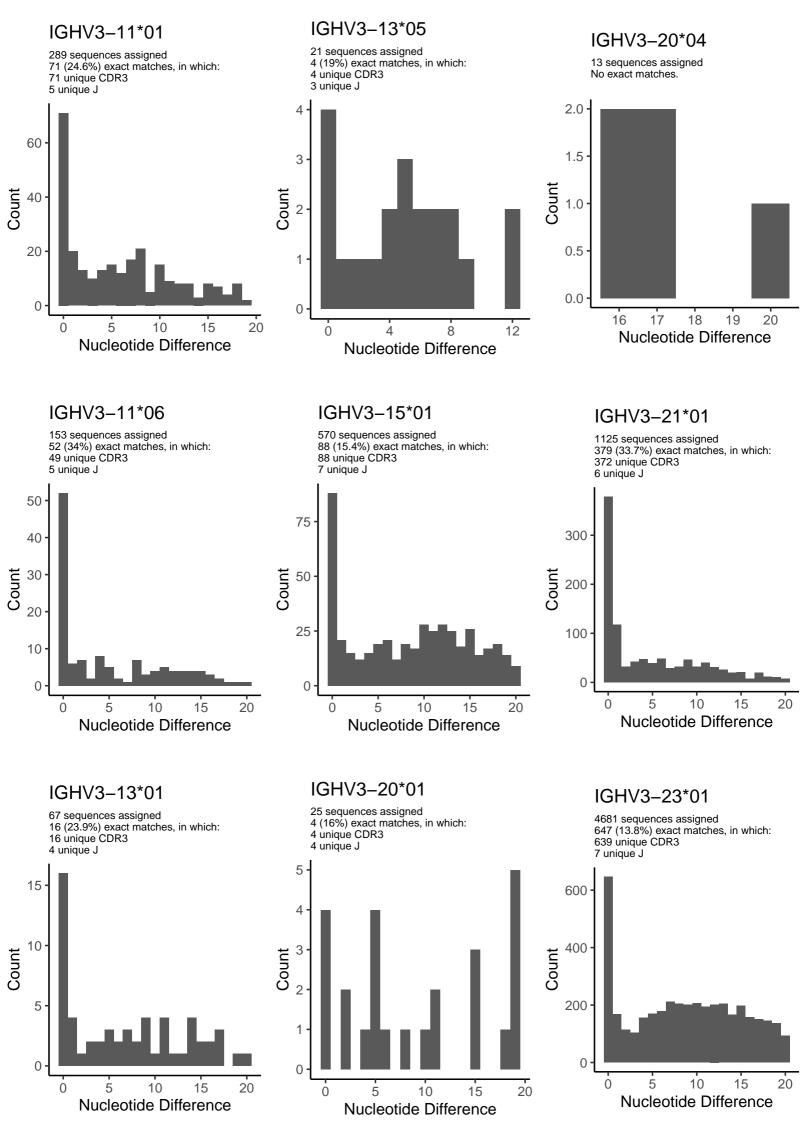
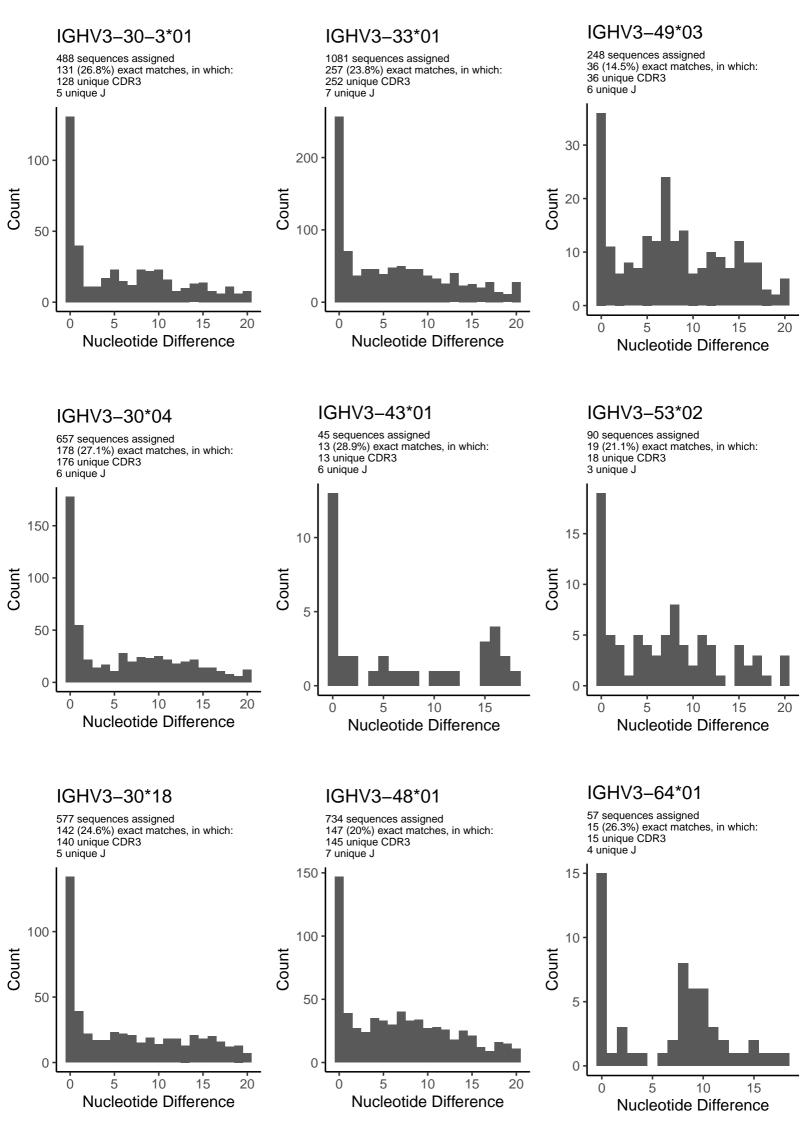
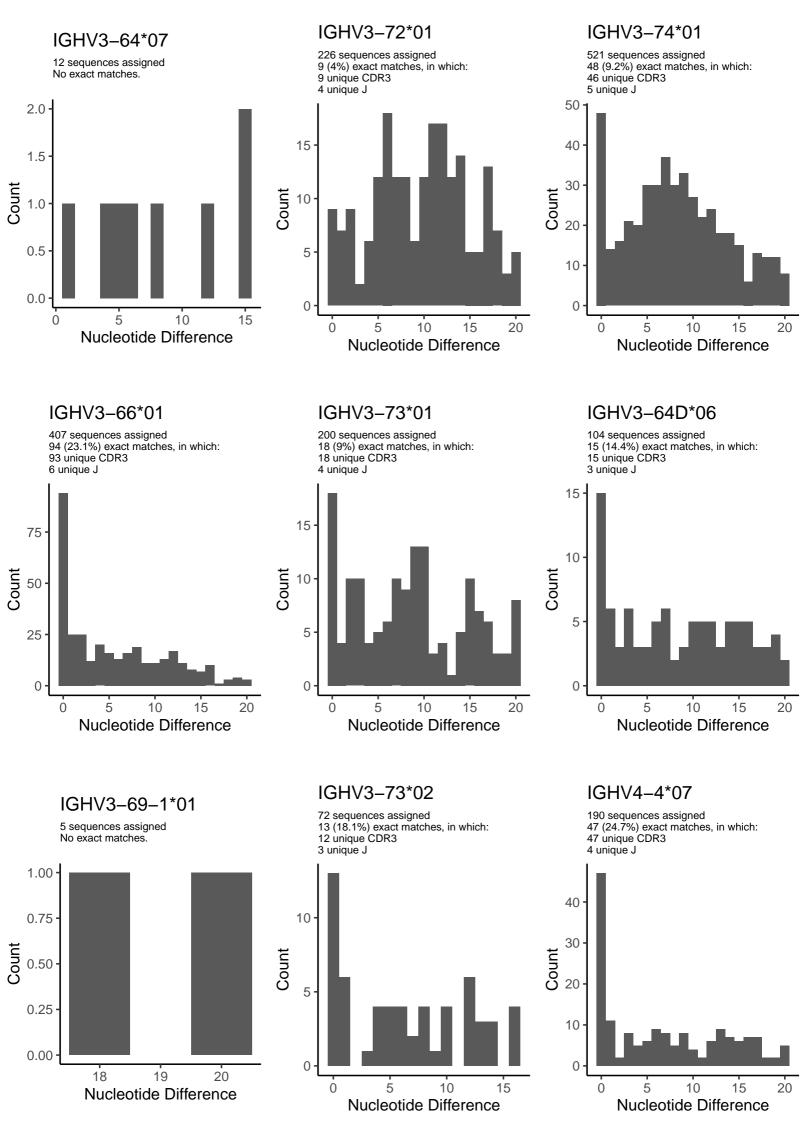
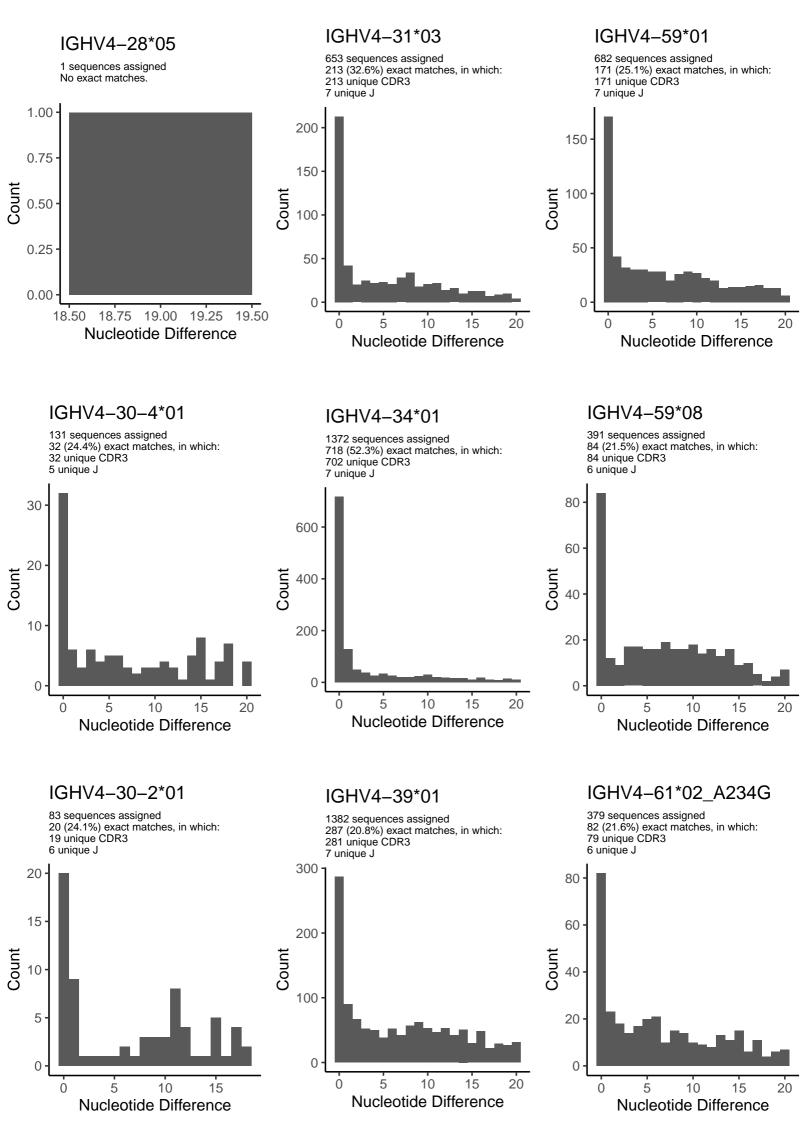


IGHV2-26*01 IGHV3-7*01 IGHV1-69*04 672 sequences assigned 117 sequences assigned 333 sequences assigned 179 (53.8%) exact matches, in which: 36 (30.8%) exact matches, in which: 79 (11.8%) exact matches, in which: 36 unique CDR3 7 unique J 79 unique CDR3 176 unique CDR3 6 unique J 6 unique J 80 30 150 60 Count Count Count 100 20 40 50 10 20 0 0 0 5 10 15 20 0 5 10 10 15 15 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference IGHV2-5*01 IGHV3-7*03 IGHV2-70*01 230 sequences assigned 38 (16.5%) exact matches, in which: 778 sequences assigned 27 sequences assigned 84 (10.8%) exact matches, in which: 10 (37%) exact matches, in which: 83 unique CDR3 38 unique CDR3 10 unique CDR3 4 unique J 6 unique J 4 unique J 10.0 80 30 7.5 60 Count Count 5.0 40 10 2.5 20 0.0 0 0 5 15 10 0 10 15 10 15 20 0 5 20 0 5 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV2-5*02 IGHV2-70*15 IGHV3-9*01 236 sequences assigned 112 sequences assigned 557 sequences assigned 41 (17.4%) exact matches, in which: 29 (25.9%) exact matches, in which: 140 (25.1%) exact matches, in which: 41 unique CDR3 28 unique CDR3 140 unique CDR3 5 unique J 5 unique J 6 unique J 30 40 30 100 20 Count Count Count 20 50 10 10 0 0 0 10 15 20 0 0 5 10 15 20 0 5 10 15 20 Nucleotide Difference Nucleotide Difference **Nucleotide Difference**



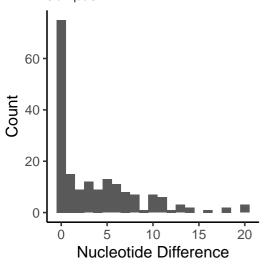






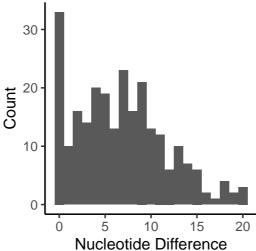
IGHV5-10-1*03

223 sequences assigned 75 (33.6%) exact matches, in which: 75 unique CDR3 5 unique J



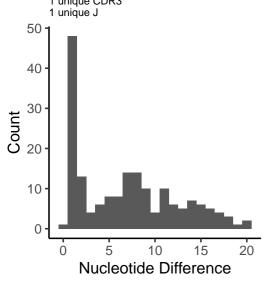
IGHV6-1*01

263 sequences assigned 33 (12.5%) exact matches, in which: 32 unique CDR3 5 unique J



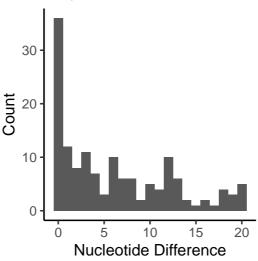
IGHV5-51*01

195 sequences assigned 1 (0.5%) exact matches, in which: 1 unique CDR3



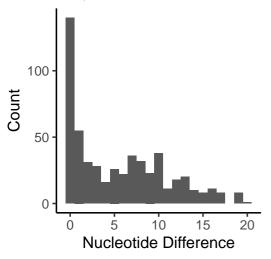
IGHV7-4-1*02

159 sequences assigned 36 (22.6%) exact matches, in which: 36 unique CDR3 6 unique J

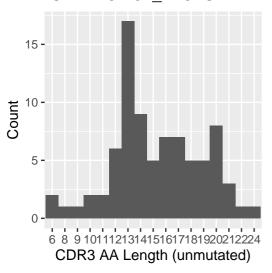


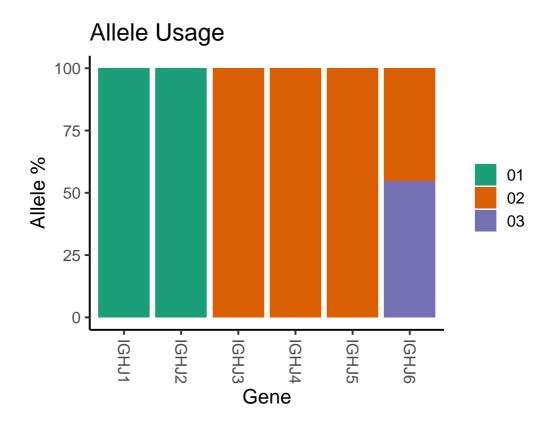
IGHV5-51*03

585 sequences assigned 140 (23.9%) exact matches, in which: 136 unique CDR3 7 unique J



IGHV4-61*02_A234G





Sequence Count by IGHJ6 allele usage

