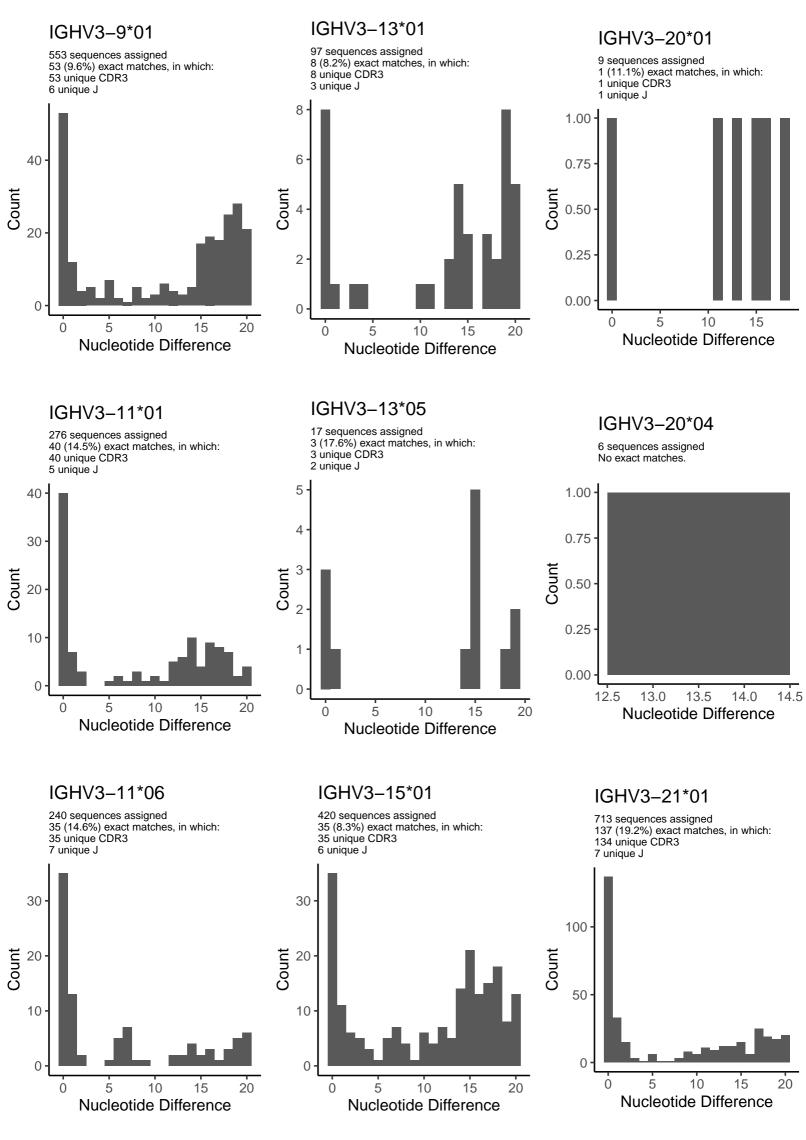


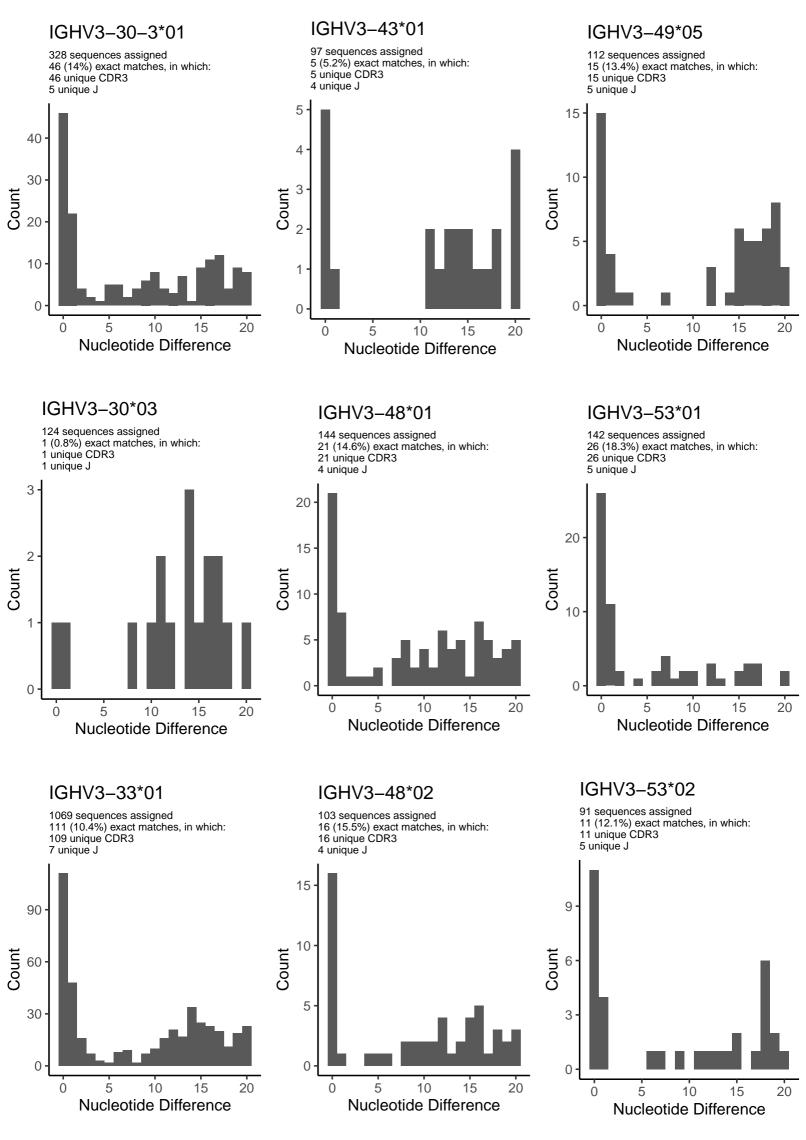
IGHV1-46*03 IGHV2-5*02 IGHV2-70*13 127 sequences assigned 23 (18.1%) exact matches, in which: 119 sequences assigned 10 sequences assigned 8 (6.7%) exact matches, in which: 23 unique CDR3 No exact matches. 8 ùniqué CDR3 4 unique J 2 unique J 1.00 10.0 20 0.75 7.5 15 Count Count 0.50 5.0 10 0.25 2.5 5 0.00 0.0 0 11 13 15 17 15 20 5 10 0 0 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference IGHV1-58*01 IGHV3-7*01 IGHV2-26*01 18 sequences assigned 5 (27.8%) exact matches, in which: 5 unique CDR3 327 sequences assigned 49 sequences assigned 13 (4%) exact matches, in which: 12 (24.5%) exact matches, in which: 13 unique CDR3 12 unique CDR3 3 unique J 4 unique J 4 unique J 5 12.5 20 10.0 4 15 7.5 3 Count Count 10 5.0 2 5 2.5 0.0 0 0 20 5 15 10 0 10 15 20 0 2 0 3 **Nucleotide Difference** Nucleotide Difference **Nucleotide Difference** IGHV2-5*01 IGHV3-7*03 IGHV2-70*01 133 sequences assigned 320 sequences assigned 43 sequences assigned 15 (4.7%) exact matches, in which: 29 (21.8%) exact matches, in which: 10 (23.3%) exact matches, in which: 29 unique CDR3 12 unique CDR3 10 unique CDR3 6 unique J 3 unique J 5 unique J 30 15 10.0 7.5 20 10 Count Count 5.0 10 5 2.5 0.0 0 0 20 10 5 0 0 10 15 20 0 10 15 20

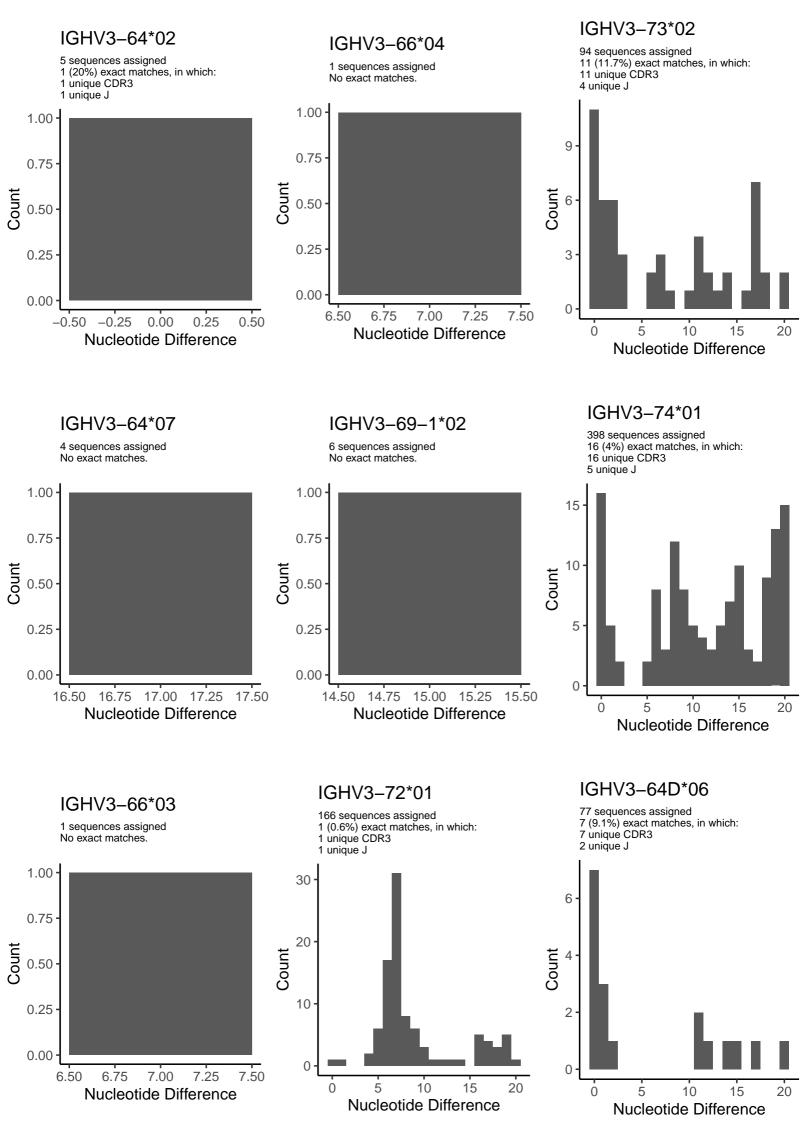
Nucleotide Difference

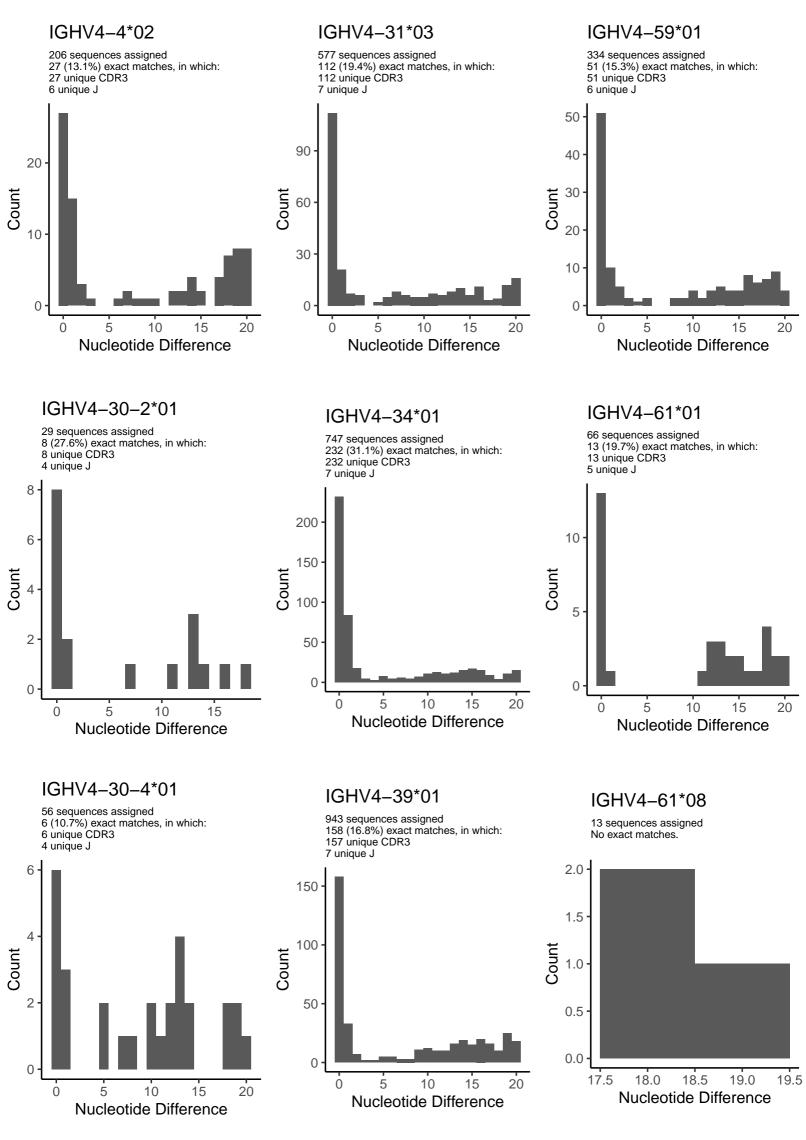
Nucleotide Difference

Nucleotide Difference



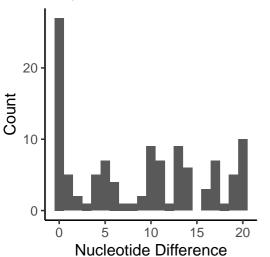






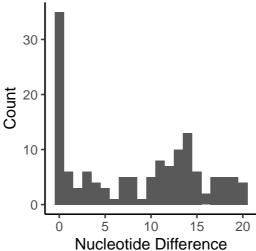
IGHV5-10-1*03

194 sequences assigned 27 (13.9%) exact matches, in which: 27 unique CDR3 6 unique J



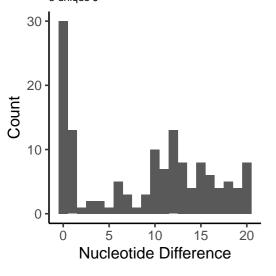
IGHV6-1*01

206 sequences assigned 35 (17%) exact matches, in which: 35 unique CDR3 6 unique J



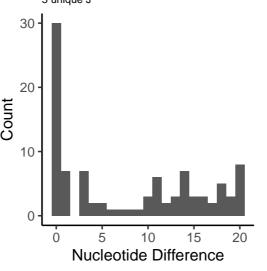
IGHV5-51*01

254 sequences assigned 30 (11.8%) exact matches, in which: 30 unique CDR3 5 unique J



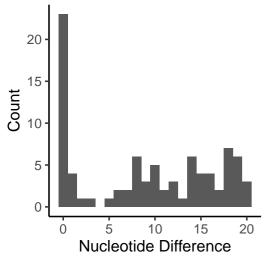
IGHV7-4-1*02

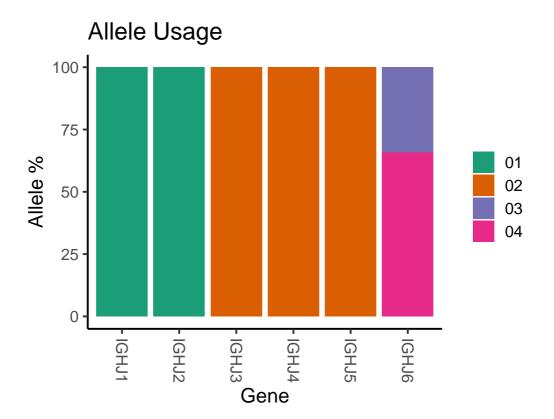
203 sequences assigned 30 (14.8%) exact matches, in which: 30 unique CDR3 5 unique J



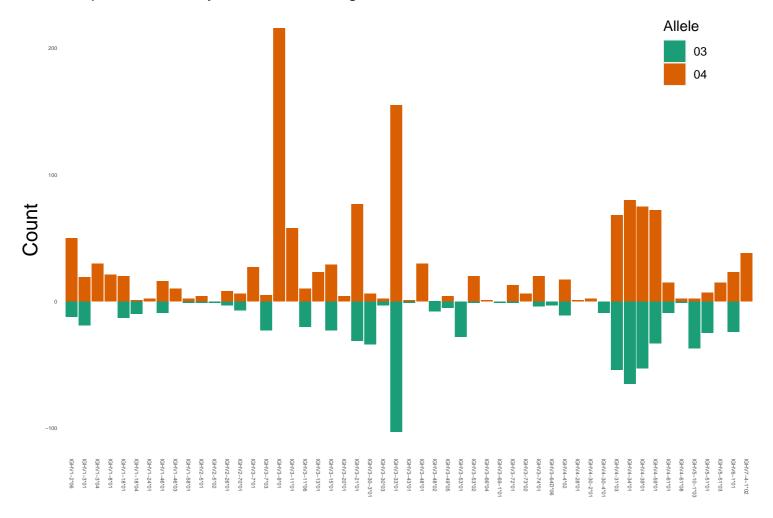
IGHV5-51*03

144 sequences assigned 23 (16%) exact matches, in which: 23 unique CDR3 6 unique J





Sequence Count by IGHJ6 allele usage



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