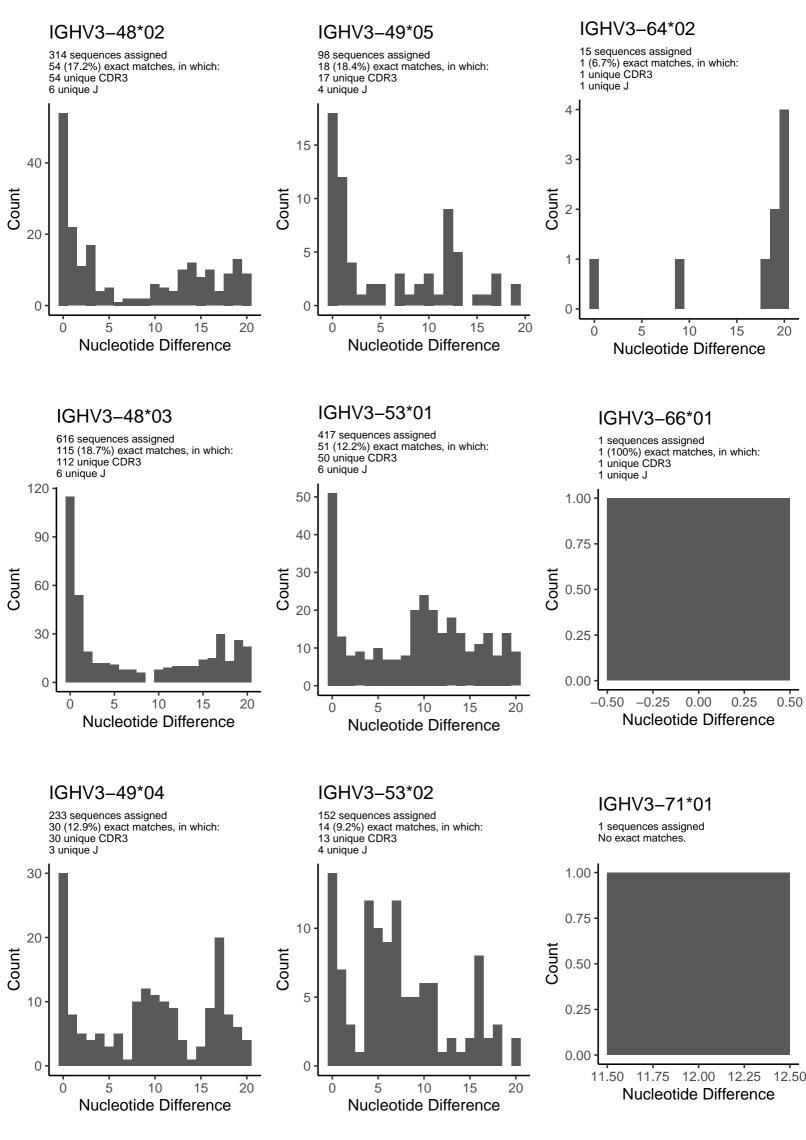
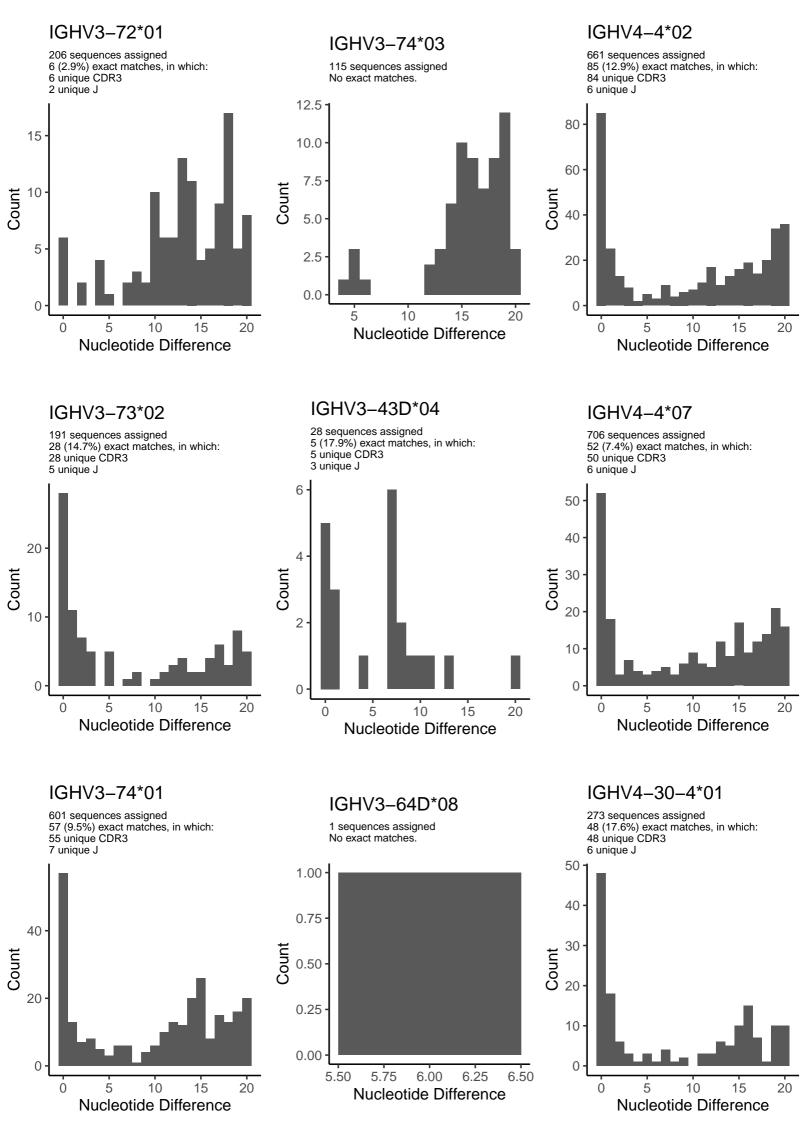
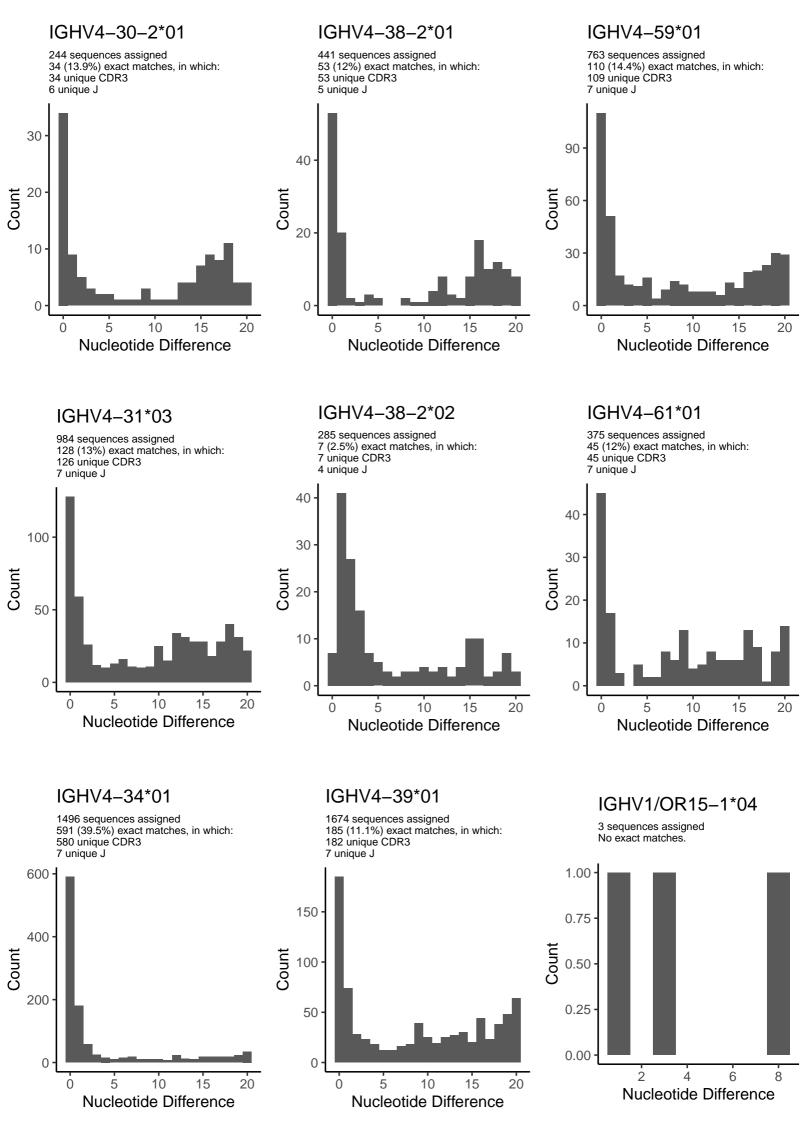
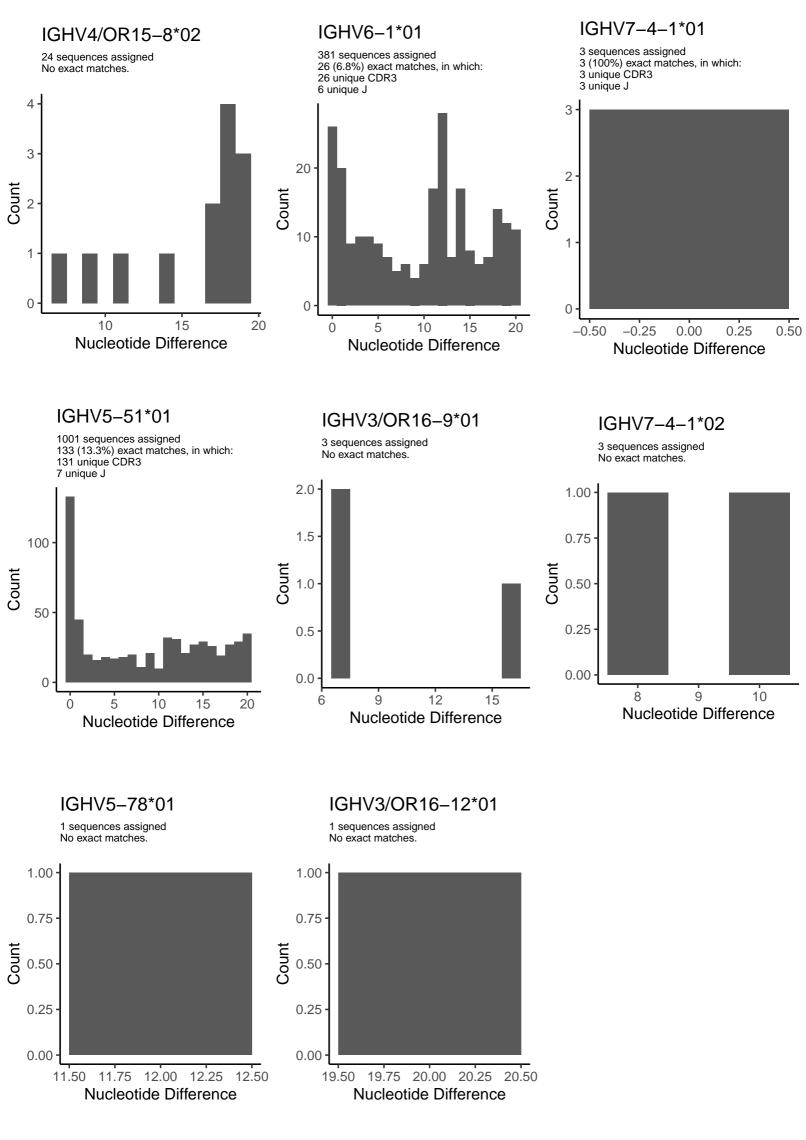


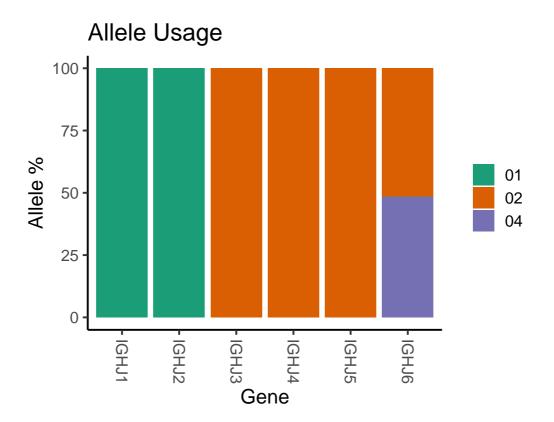
IGHV3-11*01 IGHV3-30-3*01 IGHV3-20*01 1150 sequences assigned 86 (7.5%) exact matches, in which: 638 sequences assigned 131 (20.5%) exact matches, in which: 129 unique CDR3 63 sequences assigned 12 (19%) exact matches, in which: 86 unique CDR3 7 unique J 12 ùnique CDR3 7 unique J 5 unique J 12.5 75 10.0 100 7.5 Count Count 5.0 50 25 2.5 0.0 0 0 5 10 15 0 5 10 15 20 0 10 15 20 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-13*01 IGHV3-20*04 IGHV3-33*01 325 sequences assigned 29 sequences assigned 1139 sequences assigned 35 (10.8%) exact matches, in which: 1 (3.4%) exact matches, in which: 162 (14.2%) exact matches, in which: 35 unique CDR3 1 ùniqué CDR3 161 unique CDR3 6 unique J 1 unique J 7 unique J 2.0 150 30 1.5 100 Count Count Count 1.0 50 10 0.5 0 0 0.0 10 15 20 20 0 5 10 15 10 15 0 5 0 20 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-43*01 IGHV3-15*01 IGHV3-21*01 69 sequences assigned 804 sequences assigned 1567 sequences assigned 6 (8.7%) exact matches, in which: 96 (11.9%) exact matches, in which: 336 (21.4%) exact matches, in which: 6 unique CDR3 323 unique CDR3 94 unique CDR3 2 unique J 6 unique J 7 unique J 100 300 6 75 200 Count Count 50 100 2 25 0 0 0 10 15 20 5 10 15 20 0 5 0 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference



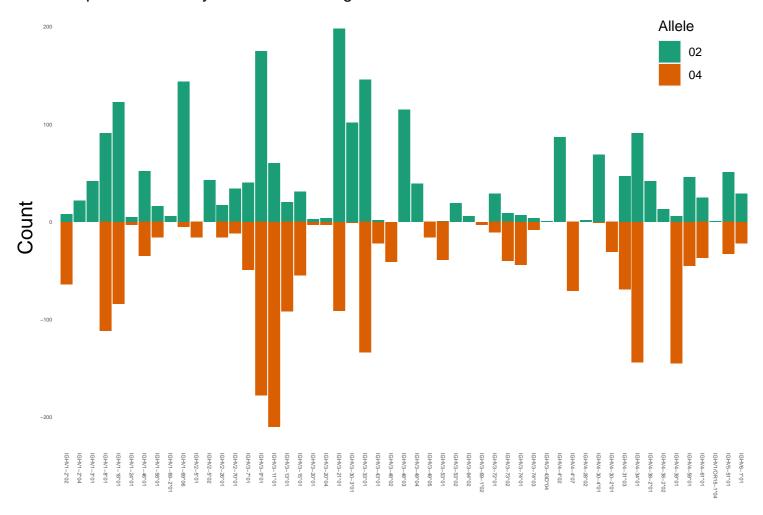








Sequence Count by IGHJ6 allele usage



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