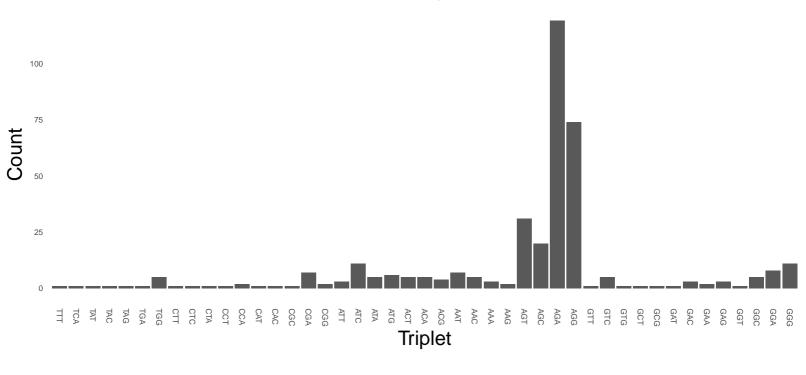
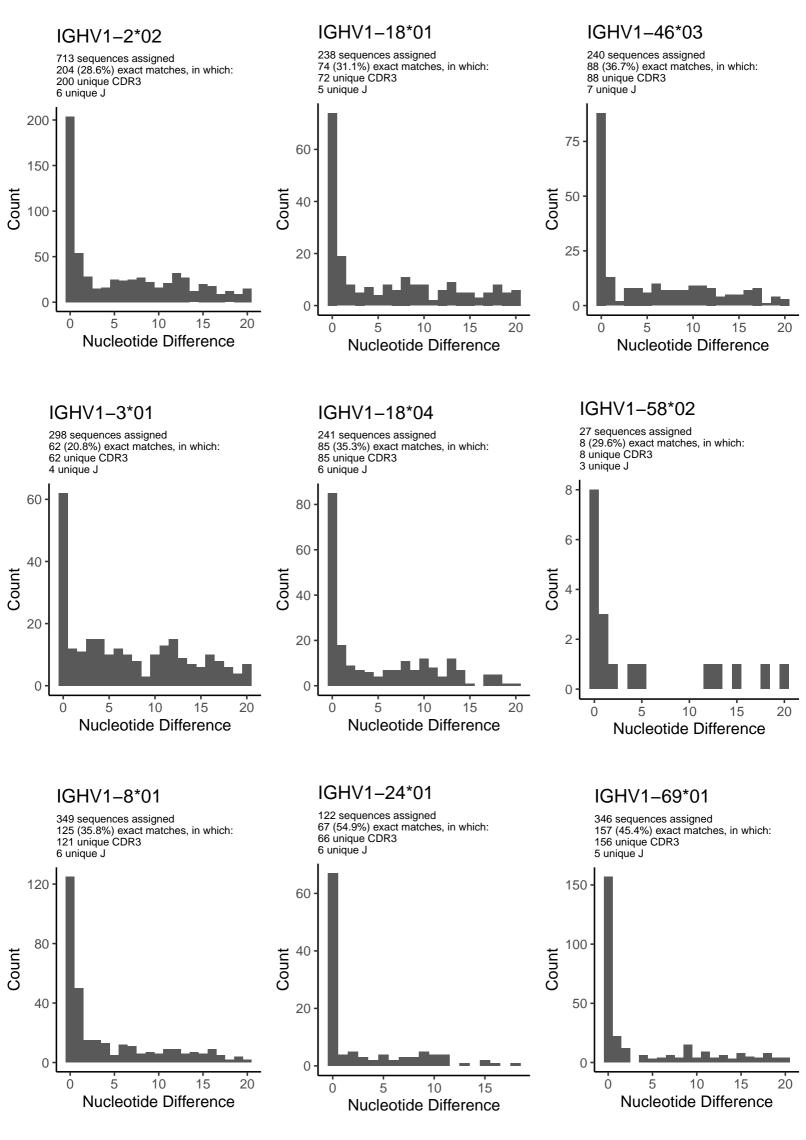
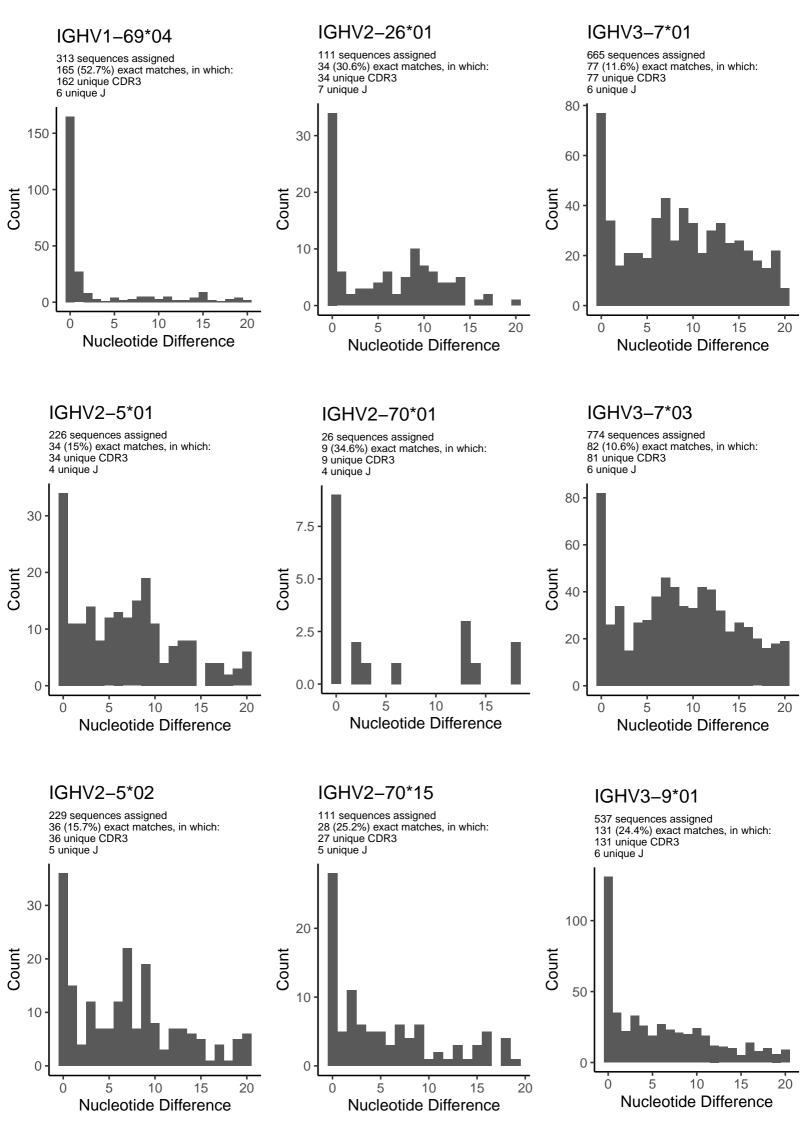
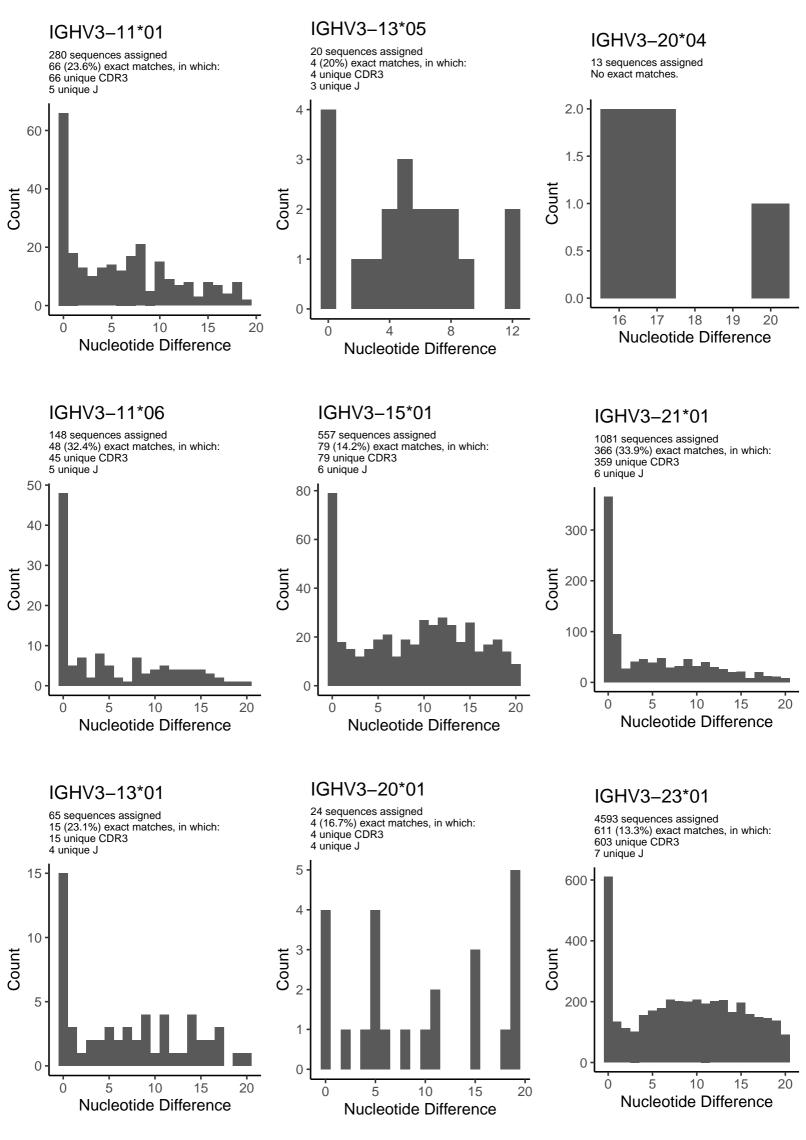


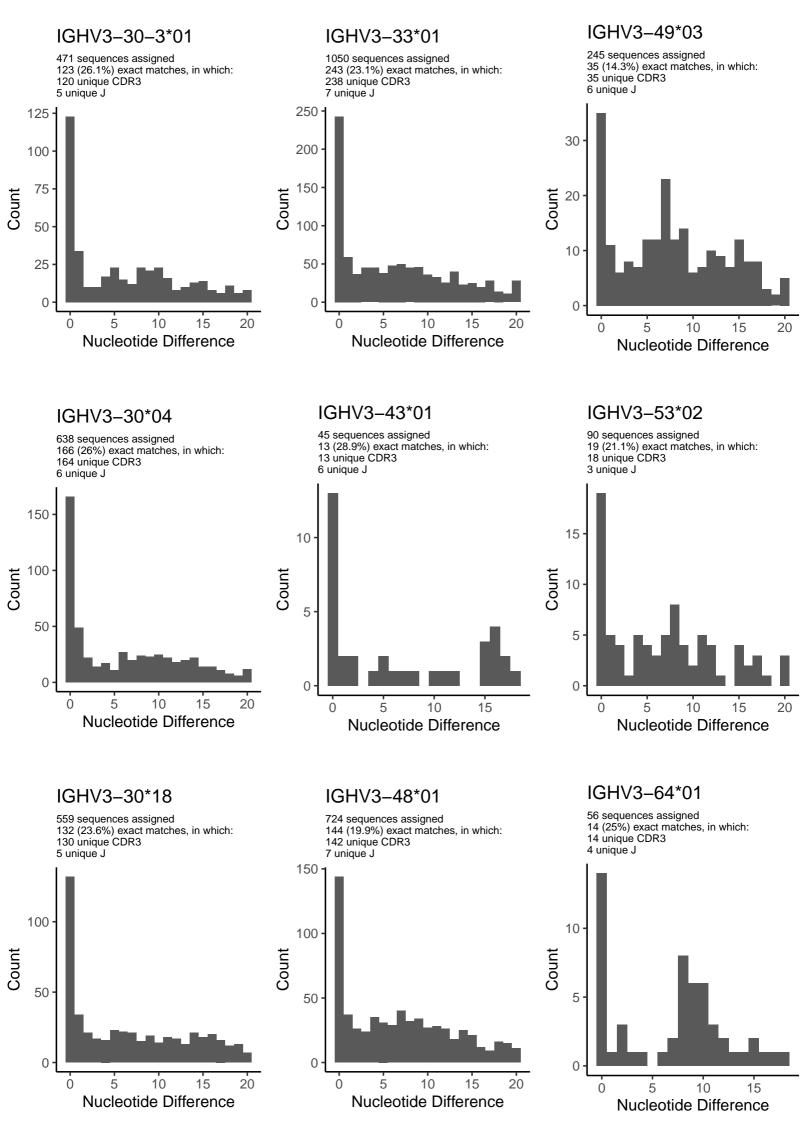
IGHV4-61*02_A234G- Final 3 nucleotides as a triplet

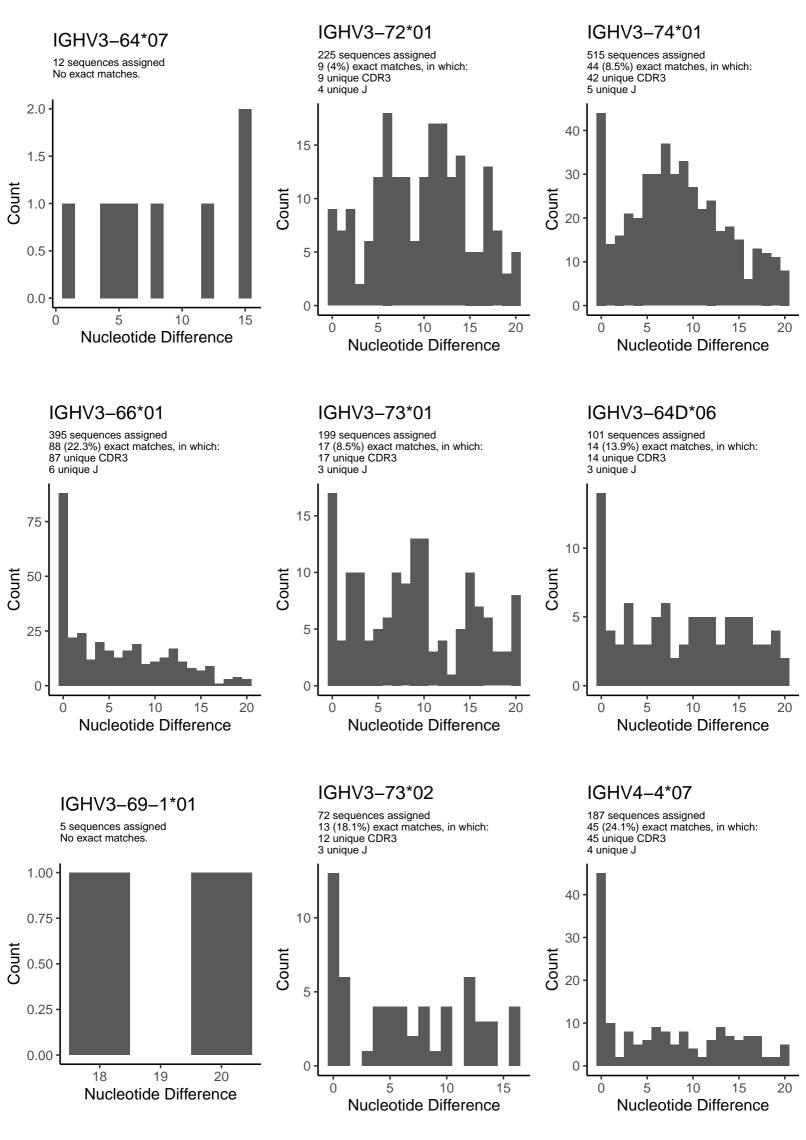


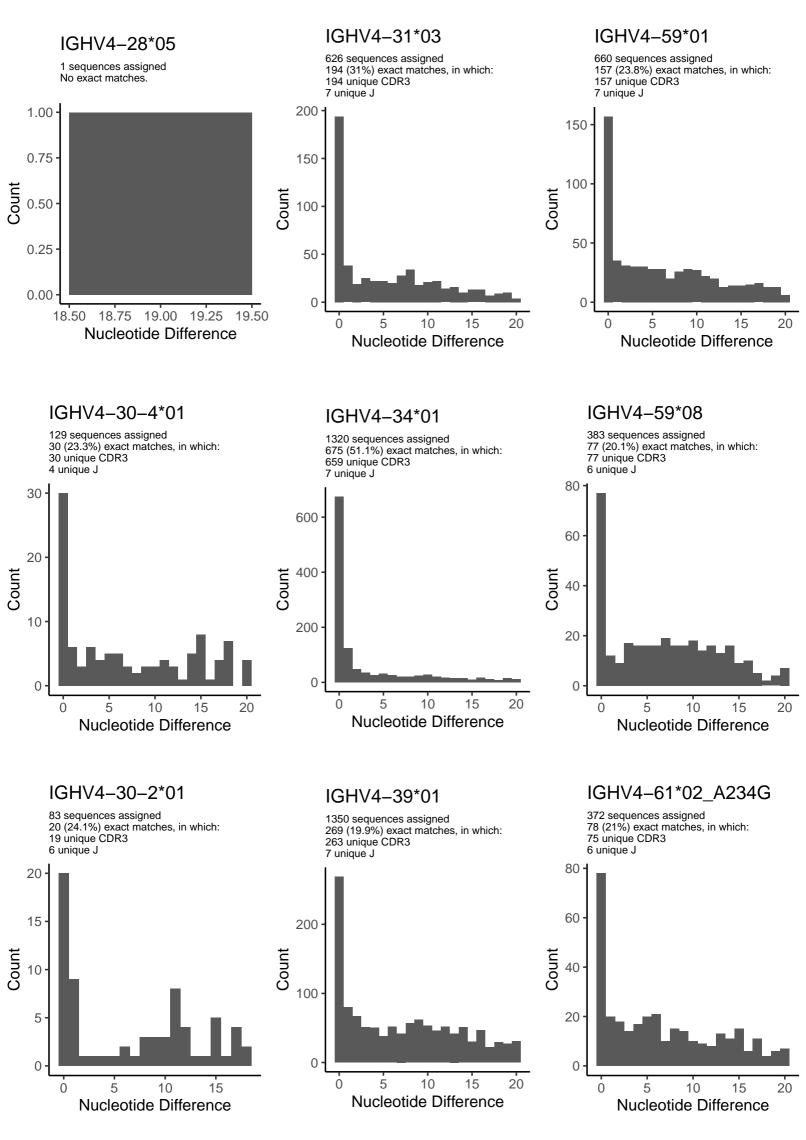






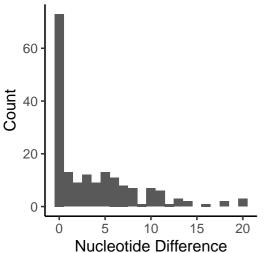






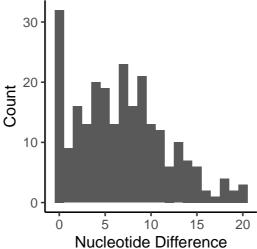
IGHV5-10-1*03

219 sequences assigned 73 (33.3%) exact matches, in which: 73 unique CDR3 5 unique J



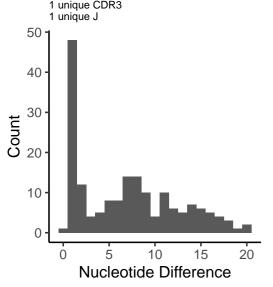
IGHV6-1*01

260 sequences assigned 32 (12.3%) exact matches, in which: 31 unique CDR3 5 unique J



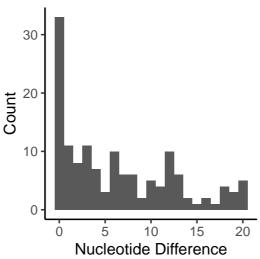
IGHV5-51*01

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



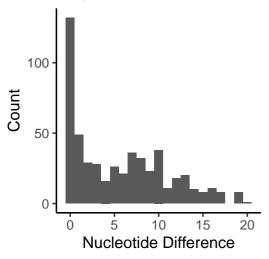
IGHV7-4-1*02

155 sequences assigned 33 (21.3%) exact matches, in which: 33 unique CDR3 6 unique J

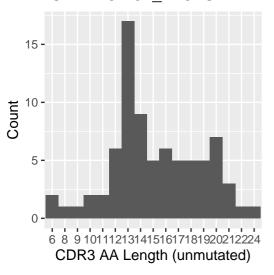


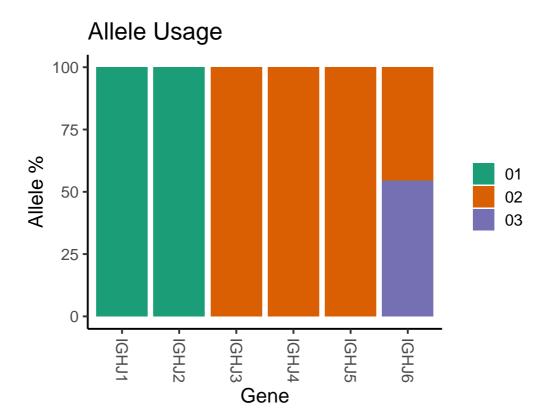
IGHV5-51*03

568 sequences assigned 132 (23.2%) exact matches, in which: 128 unique CDR3 7 unique J



IGHV4-61*02_A234G





Sequence Count by IGHJ6 allele usage

