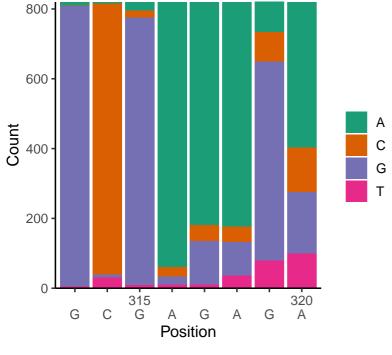
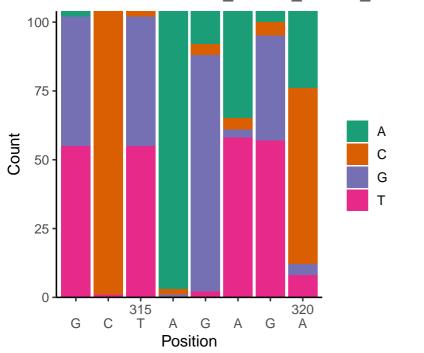
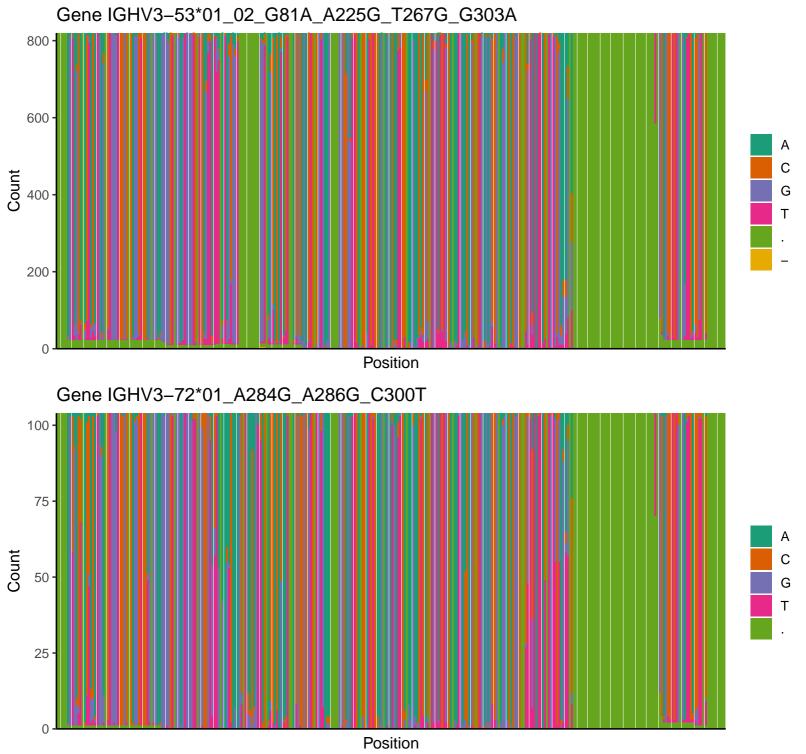
Gene IGHV3-53*01_02_G81A_A225G_T267G_G303A

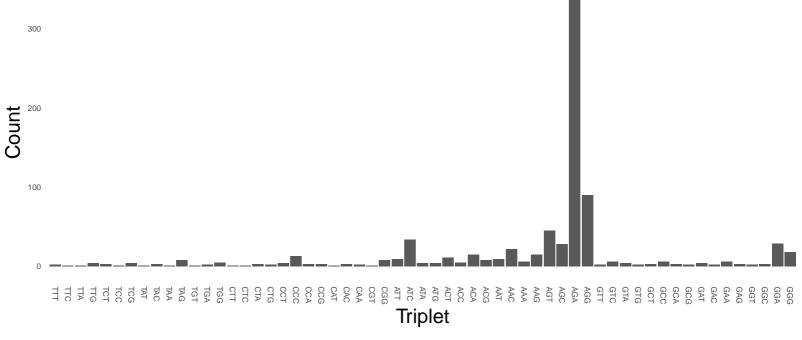


Gene IGHV3-72*01_A284G_A286G_C300T

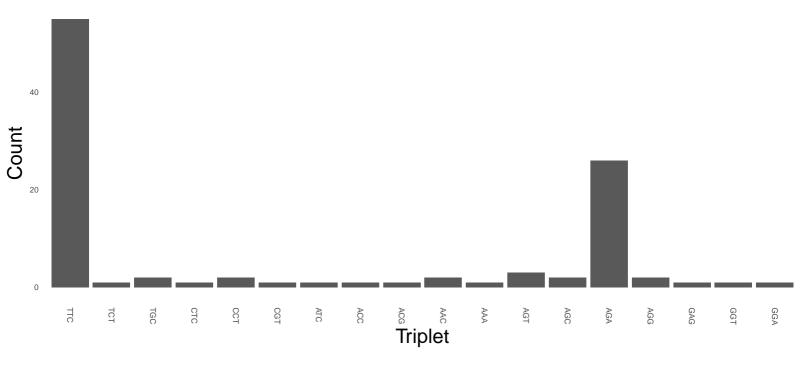


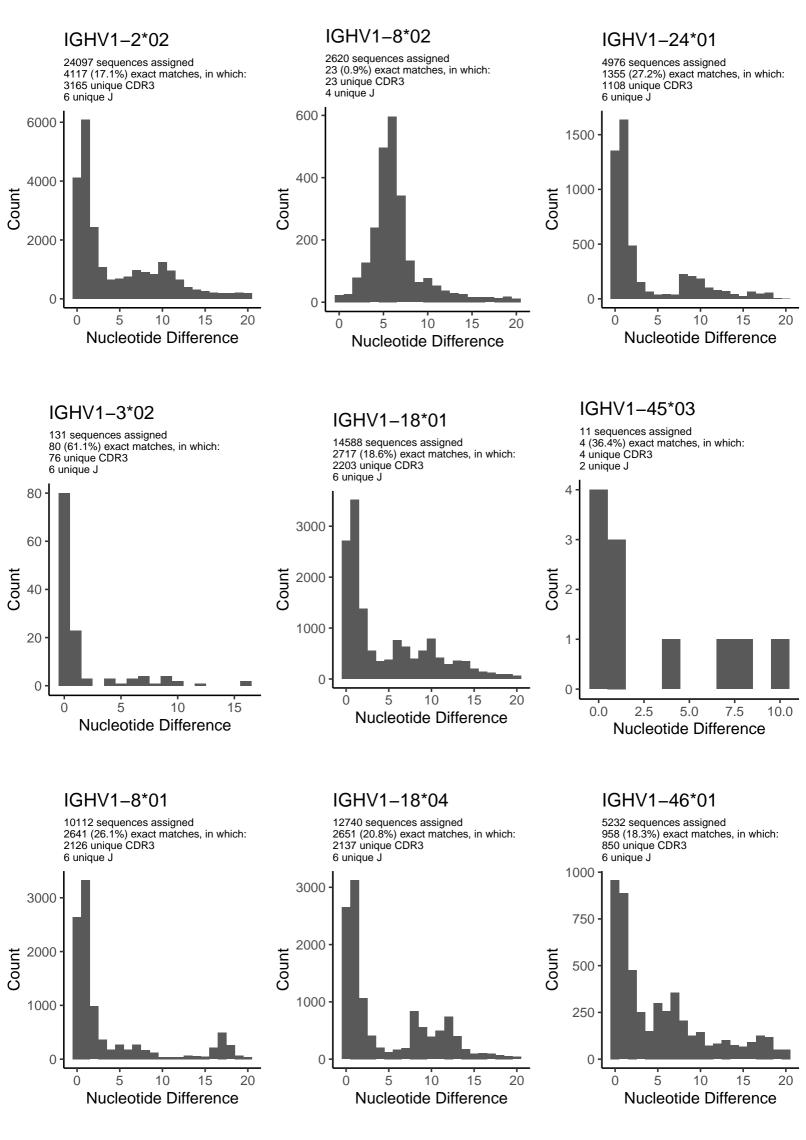


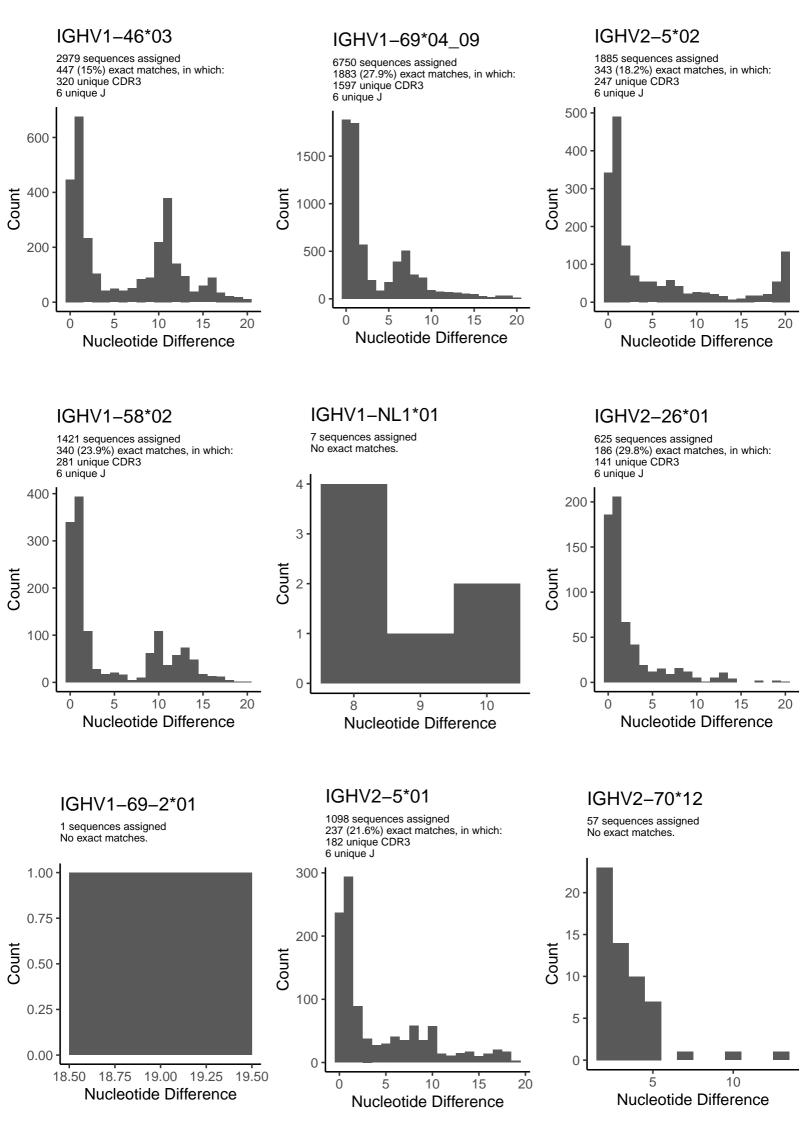
IGHV3-53*01_02_G81A_A225G_T267G_G303A- Final 3 nucleotides as a triplet

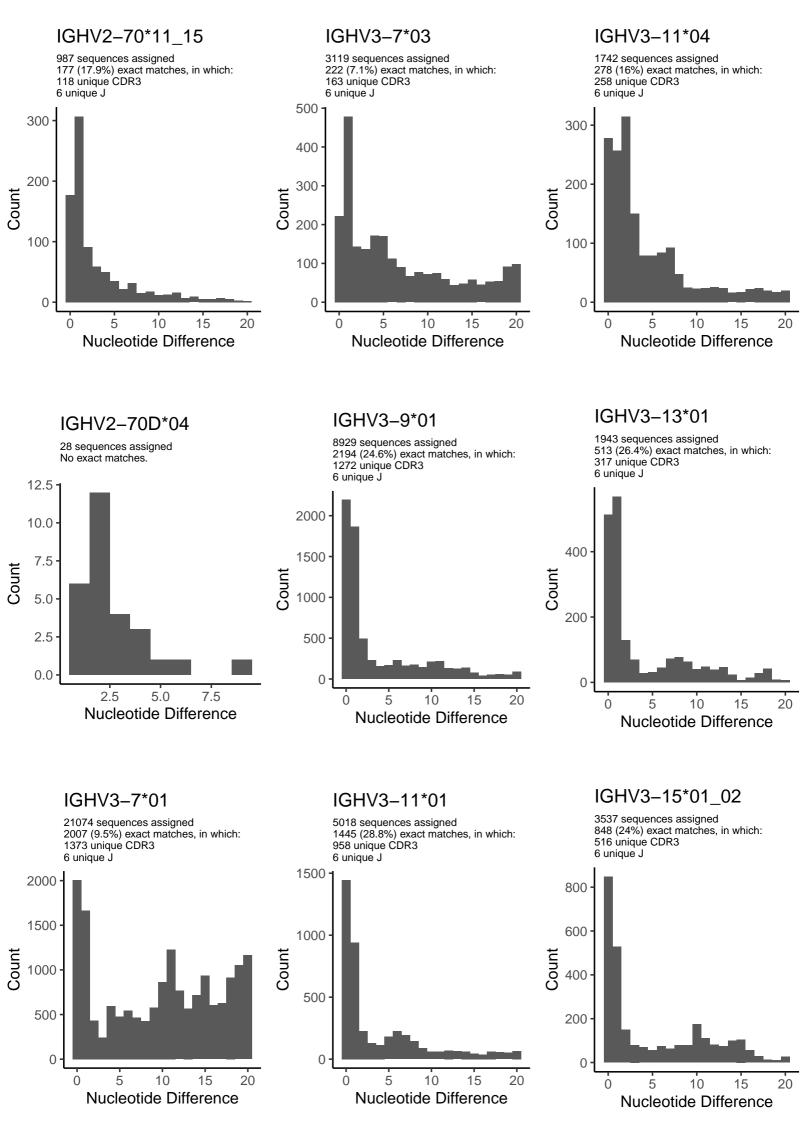


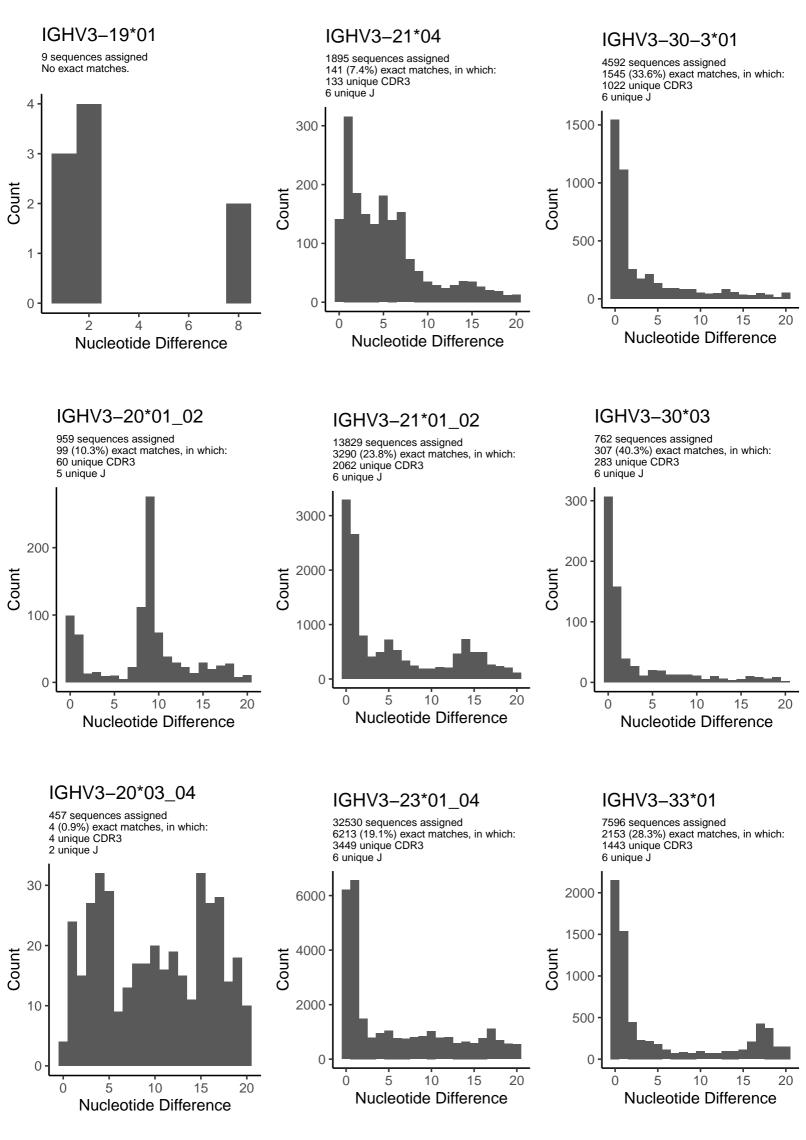
IGHV3-72*01_A284G_A286G_C300T- Final 3 nucleotides as a triplet

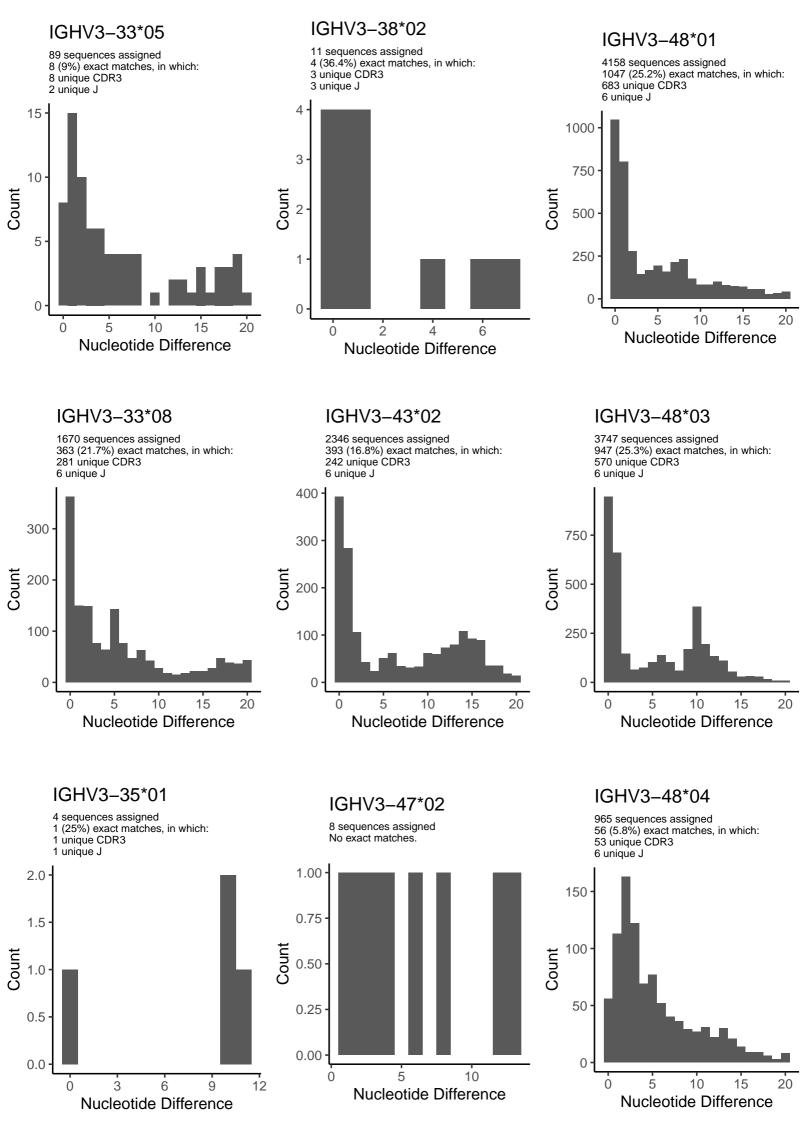


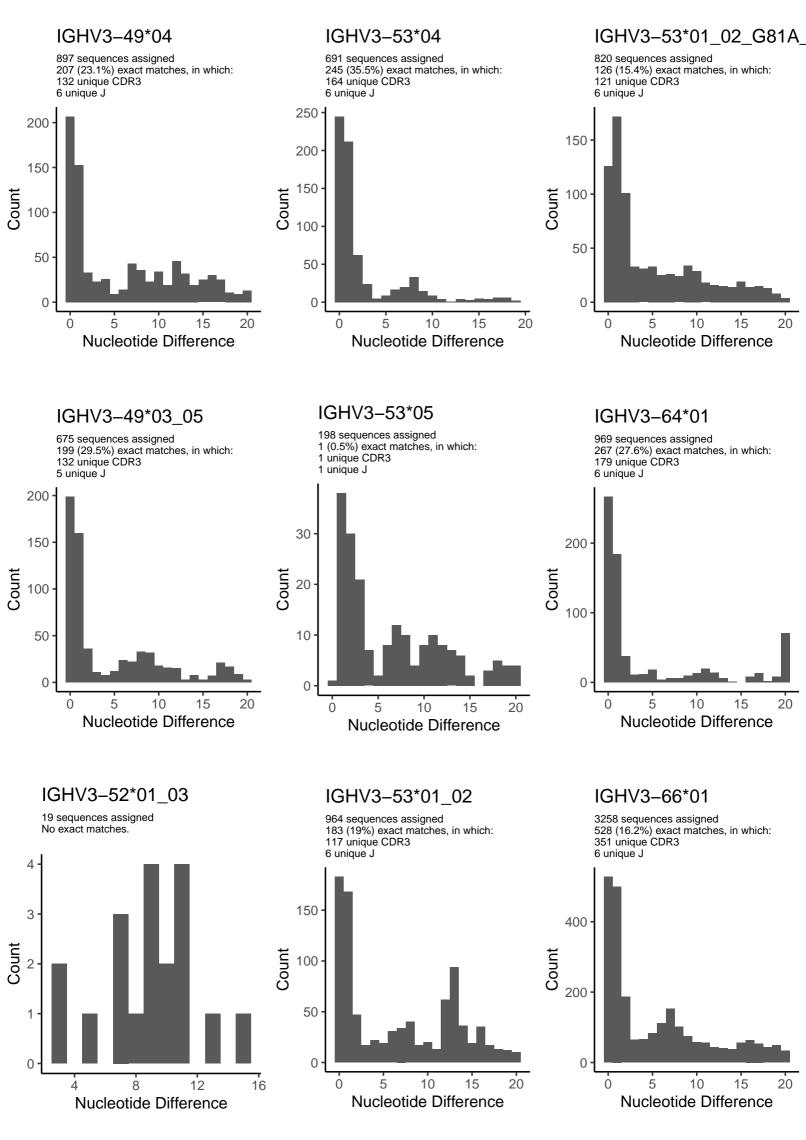


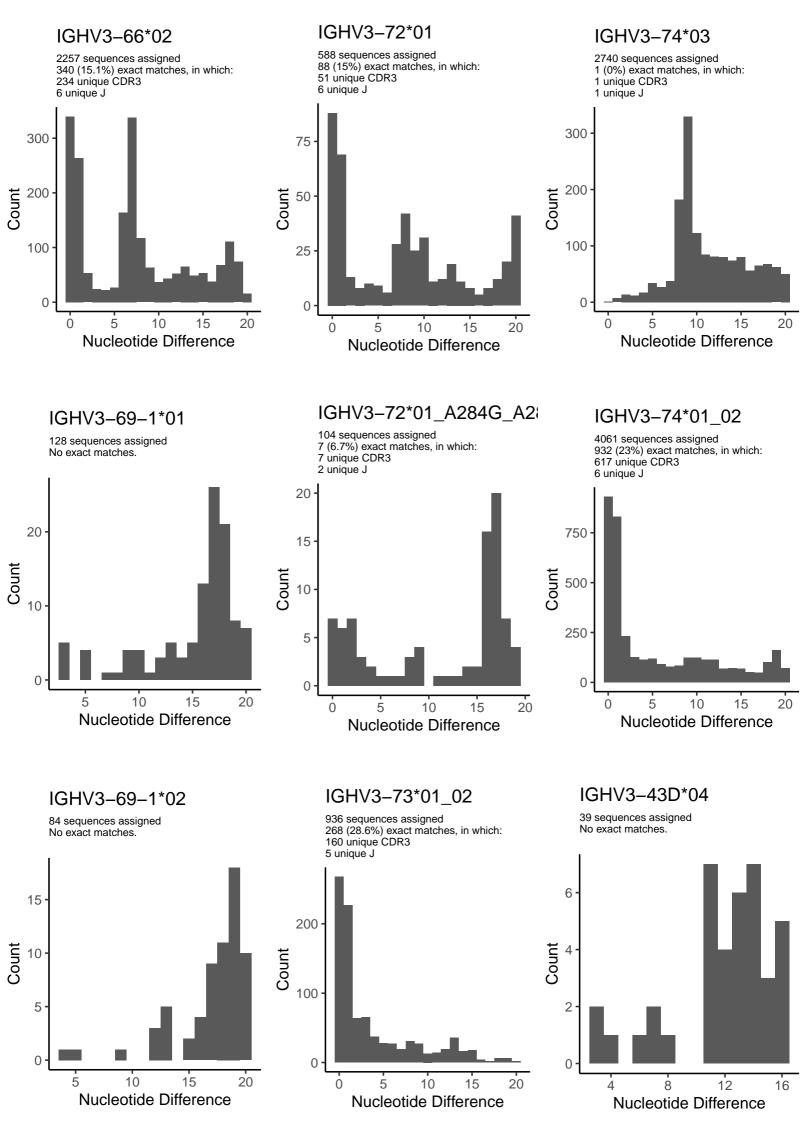


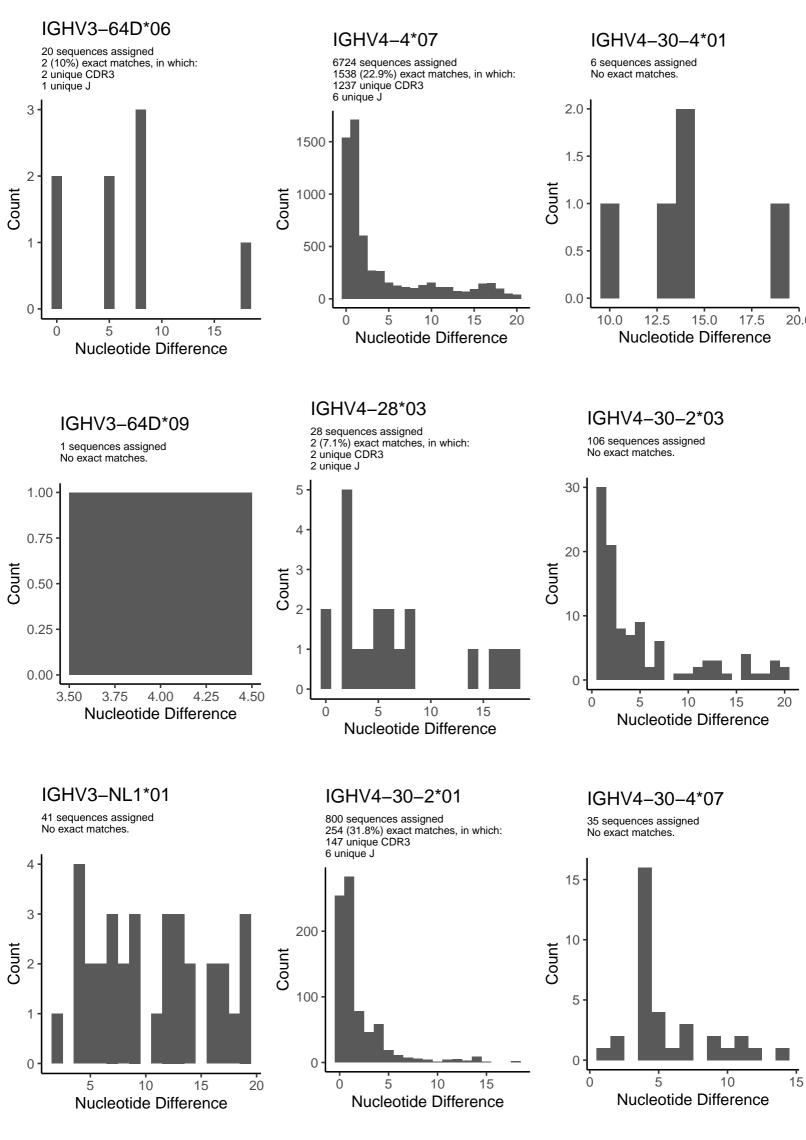


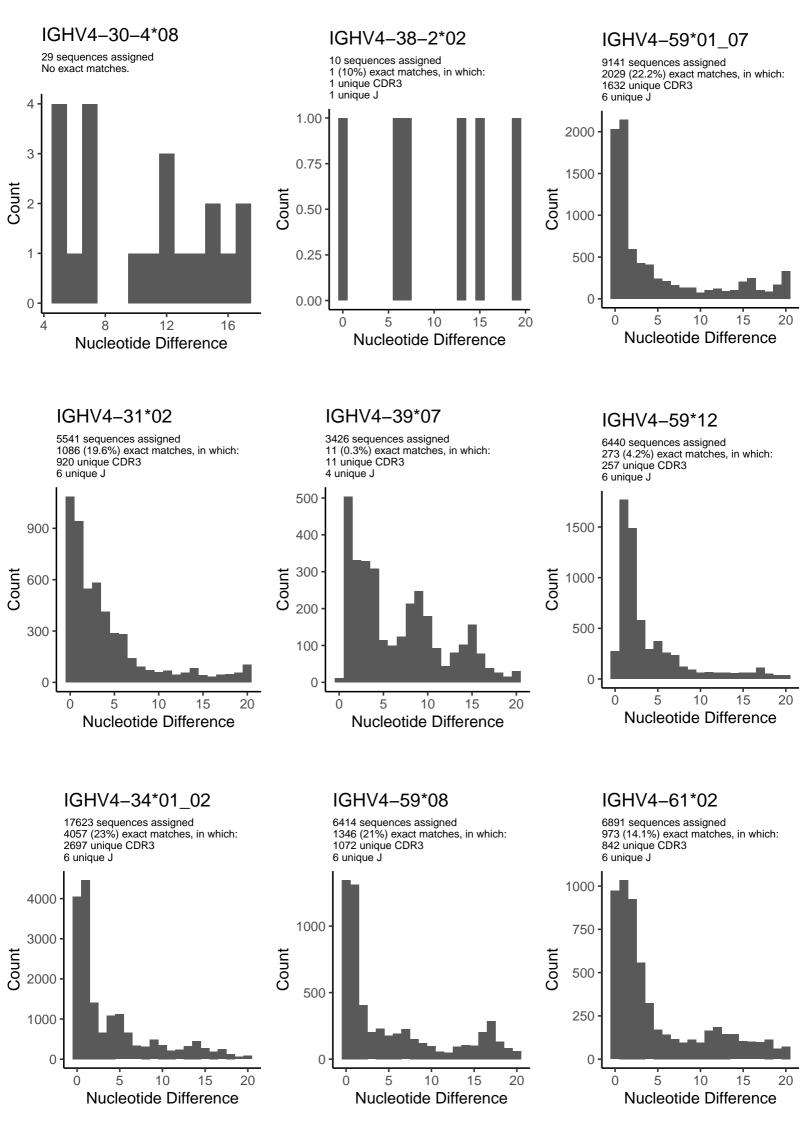


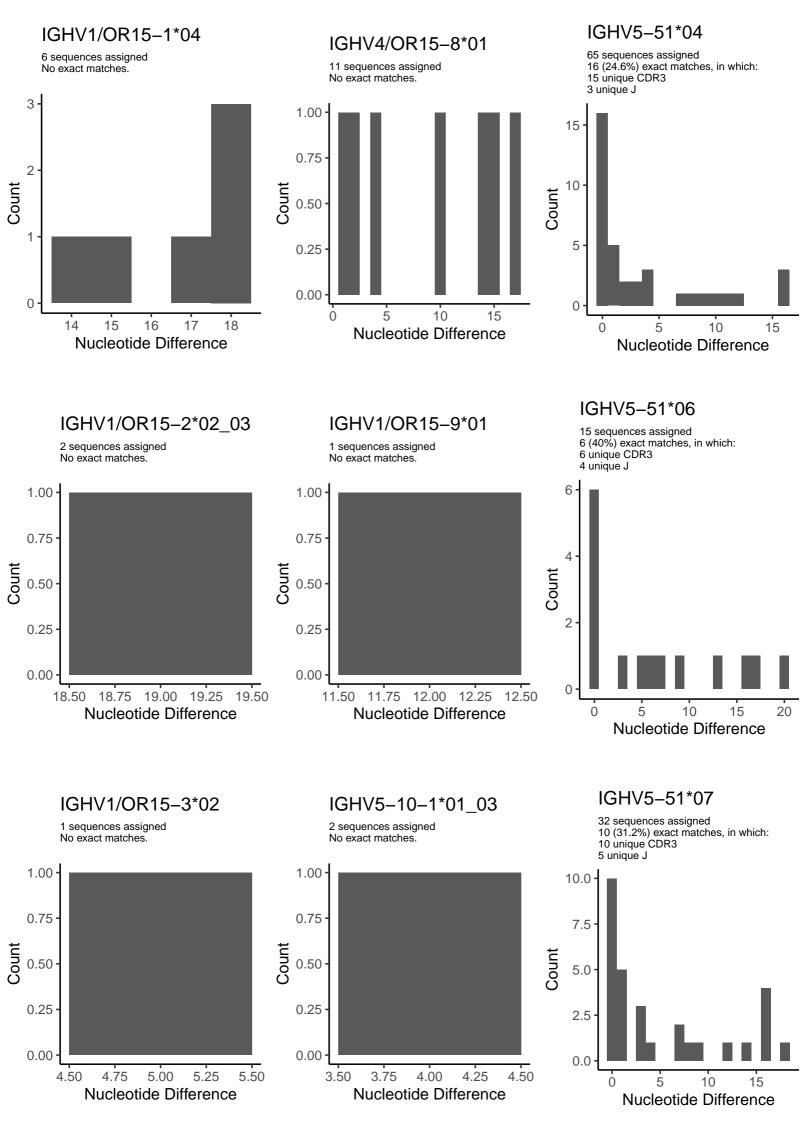






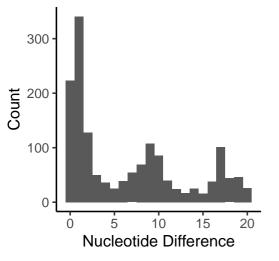






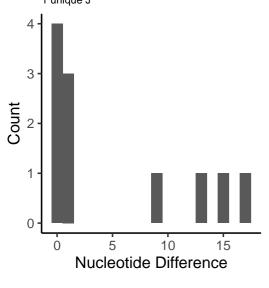
IGHV6-1*01_02

1626 sequences assigned 223 (13.7%) exact matches, in which: 181 unique CDR3 6 unique J

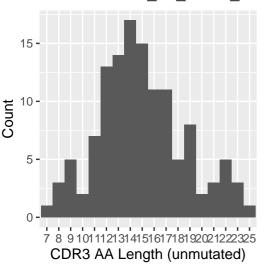


IGHV7-4-1*02

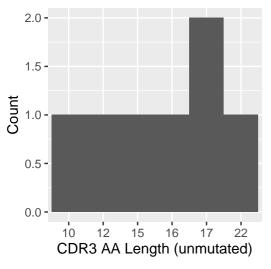
11 sequences assigned 4 (36.4%) exact matches, in which: 3 unique CDR3 1 unique J



IGHV3-53*01_02_G81A_A225G_T267G_G303A



IGHV3-72*01_A284G_A286G_C300T





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