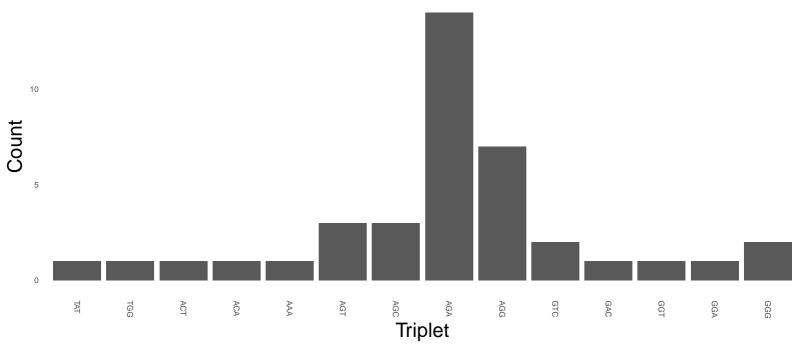
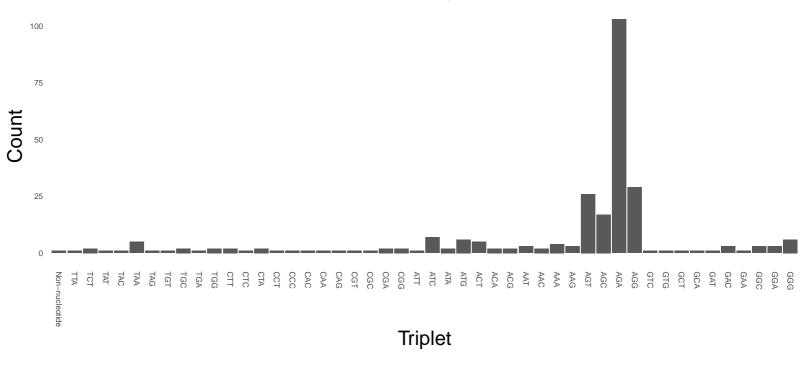
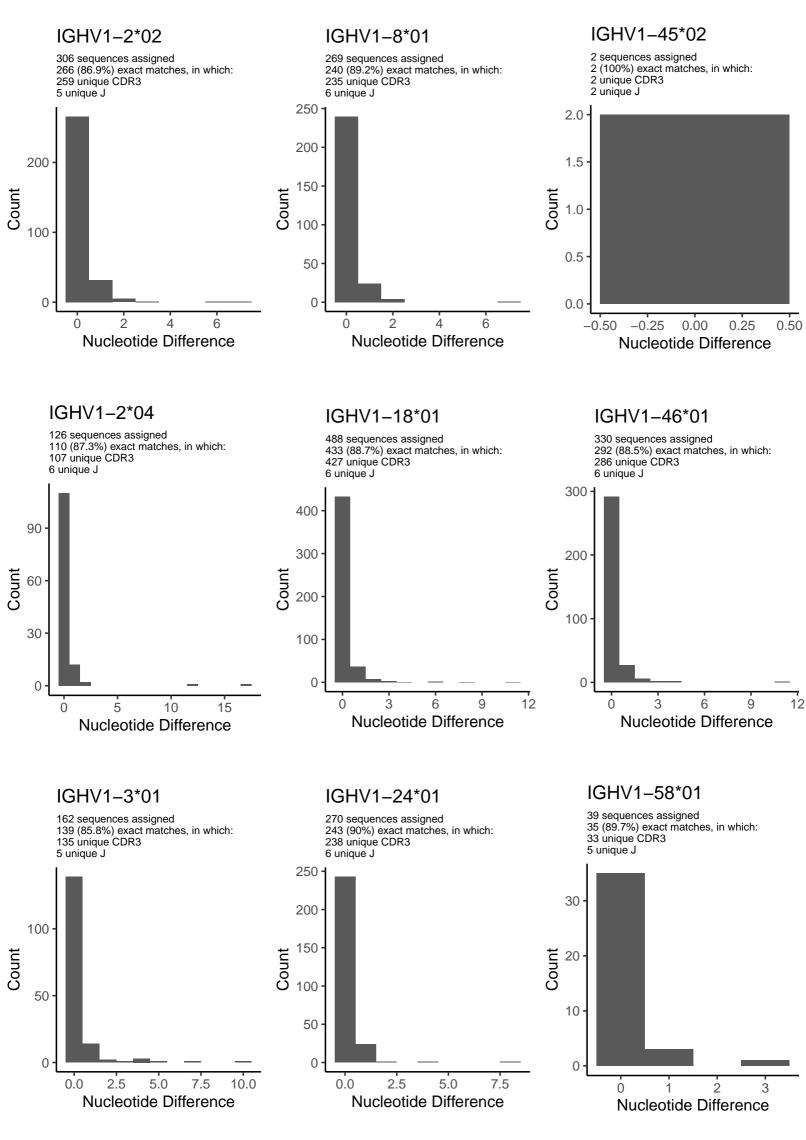


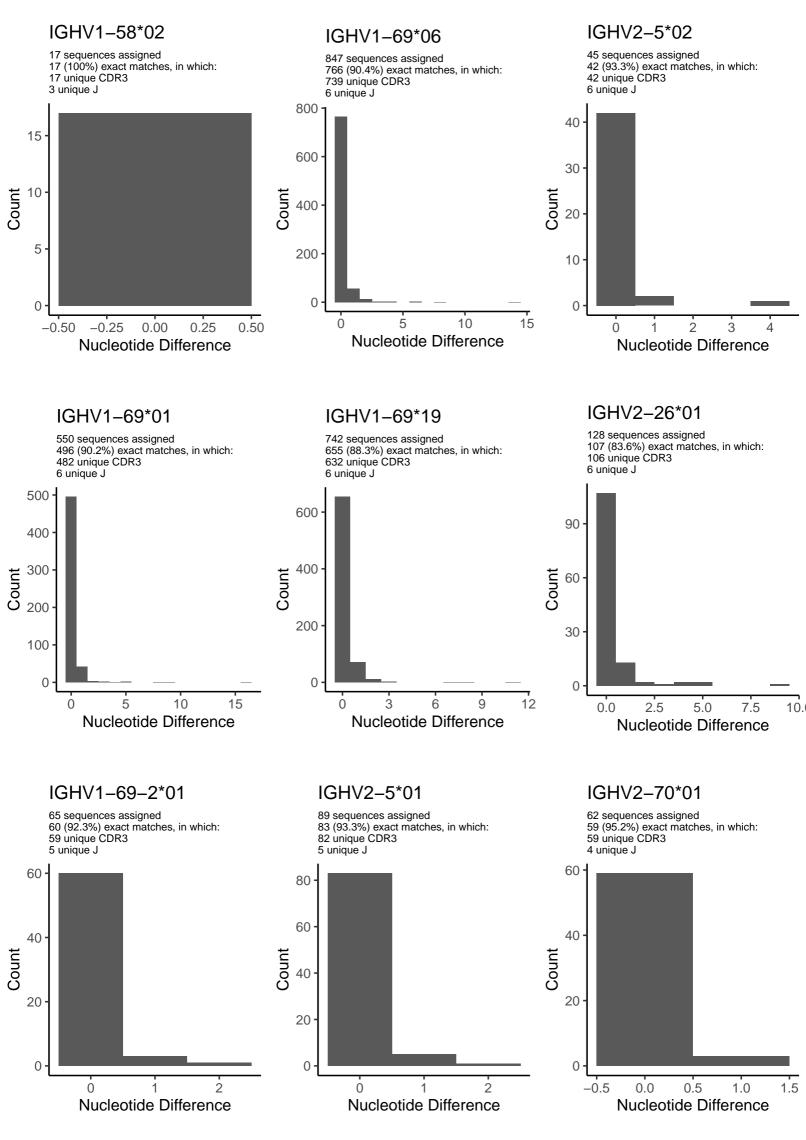
IGHV3-13*01_G290A_T300C- Final 3 nucleotides as a triplet

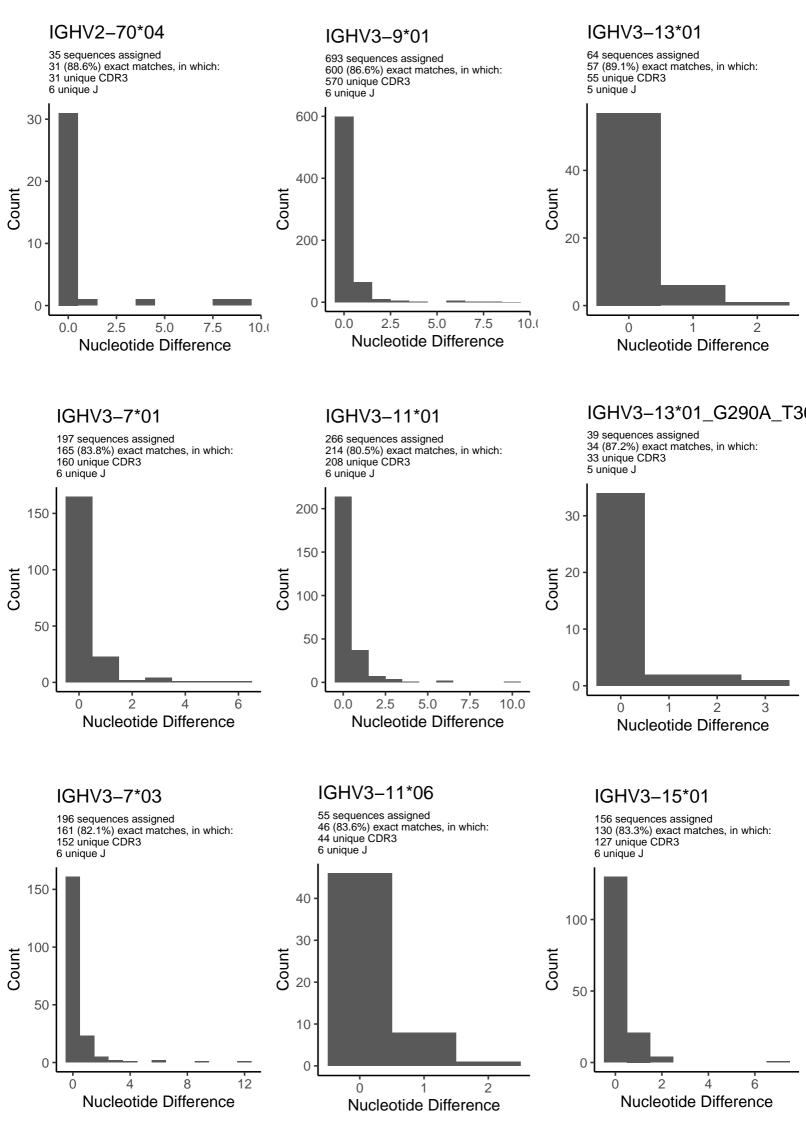


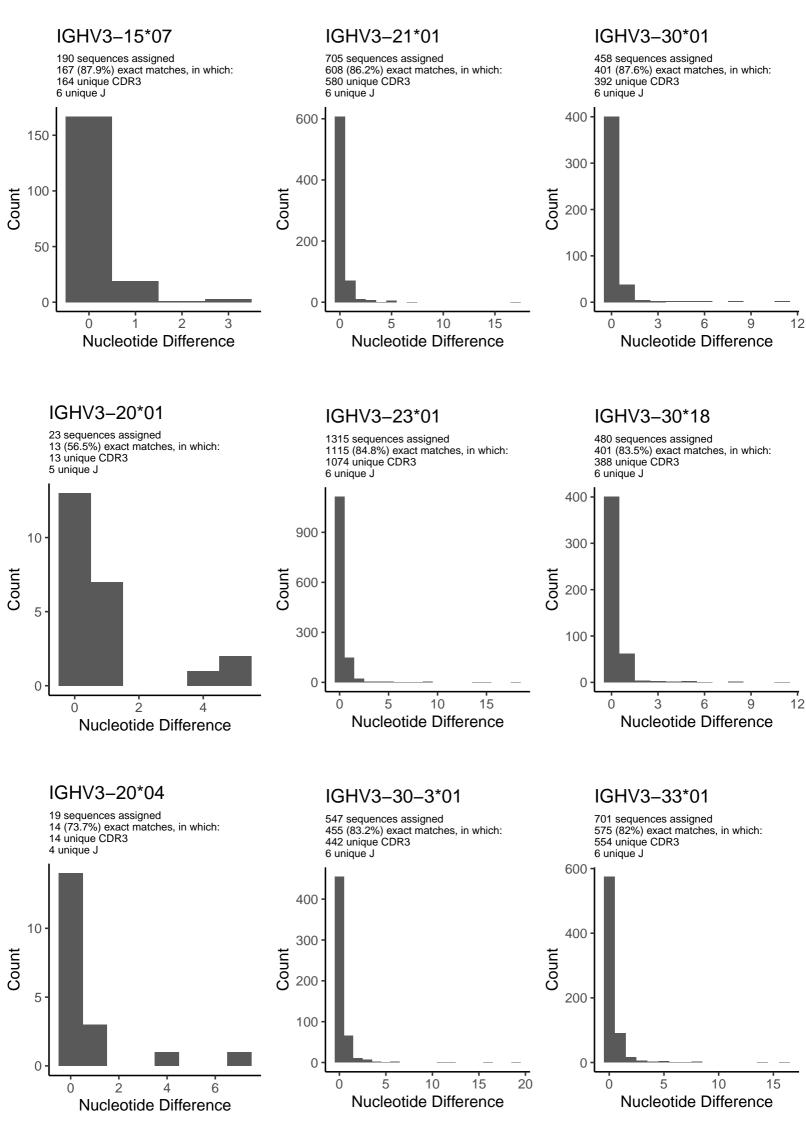
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

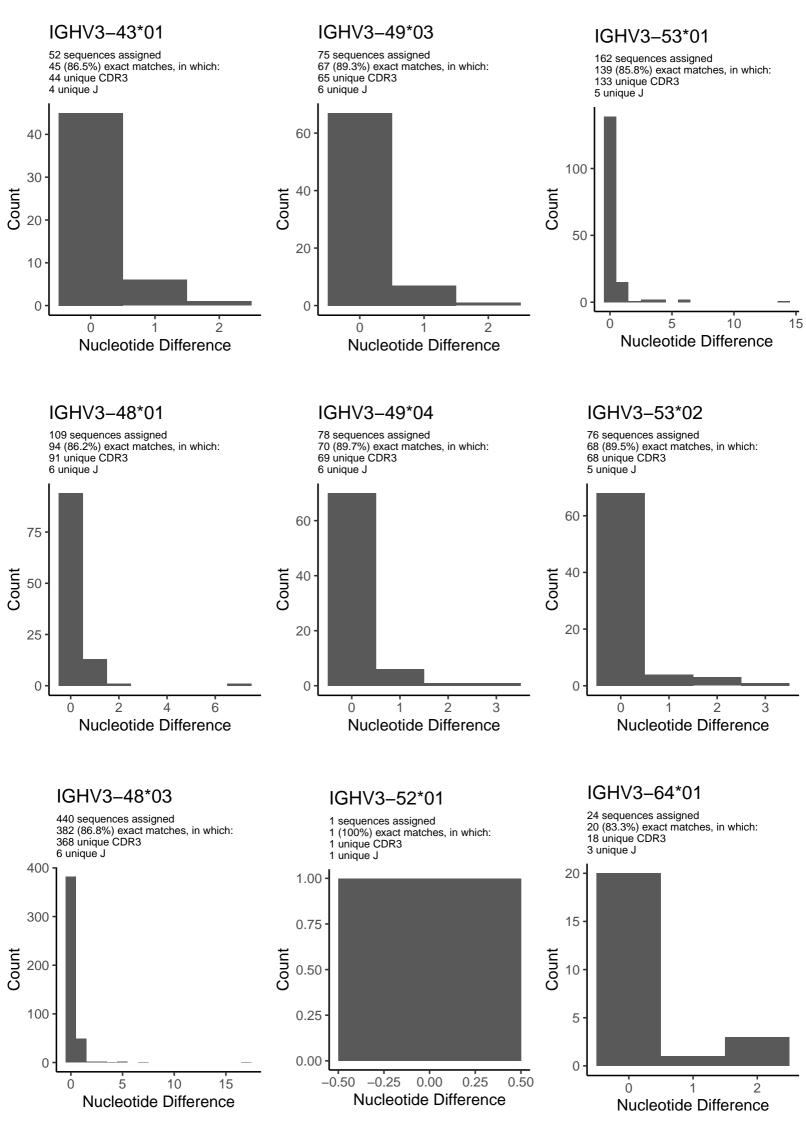


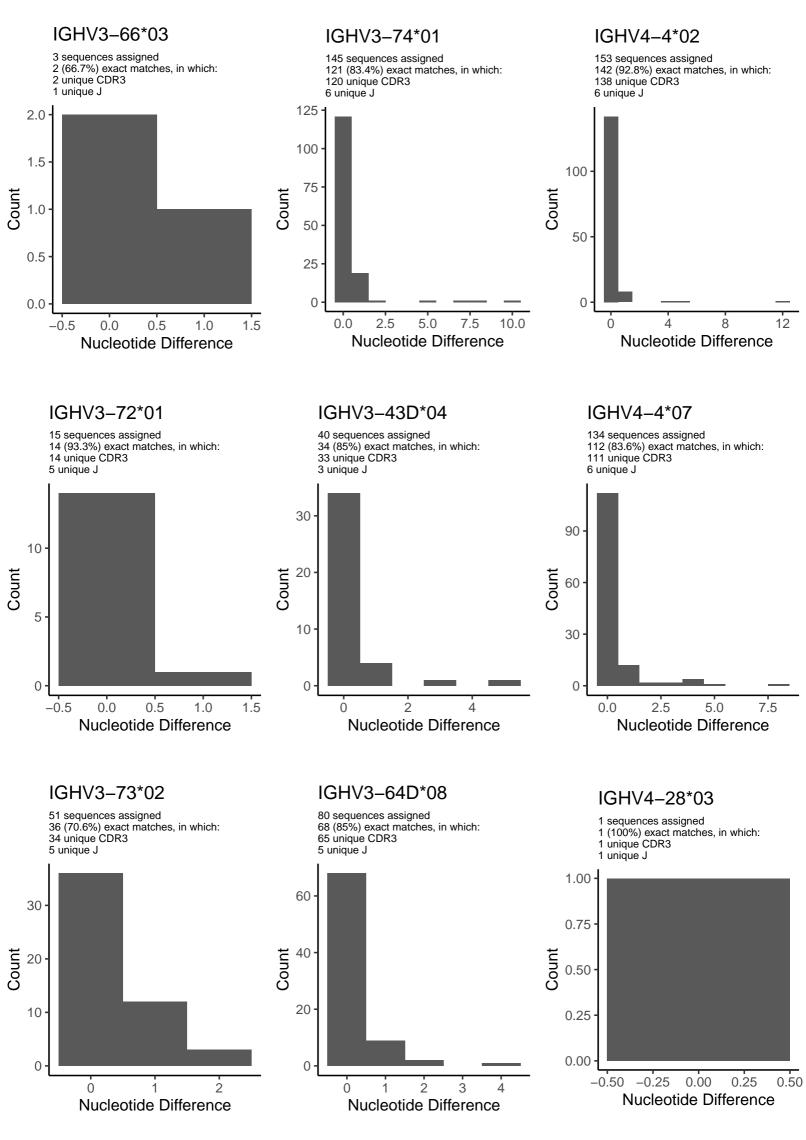


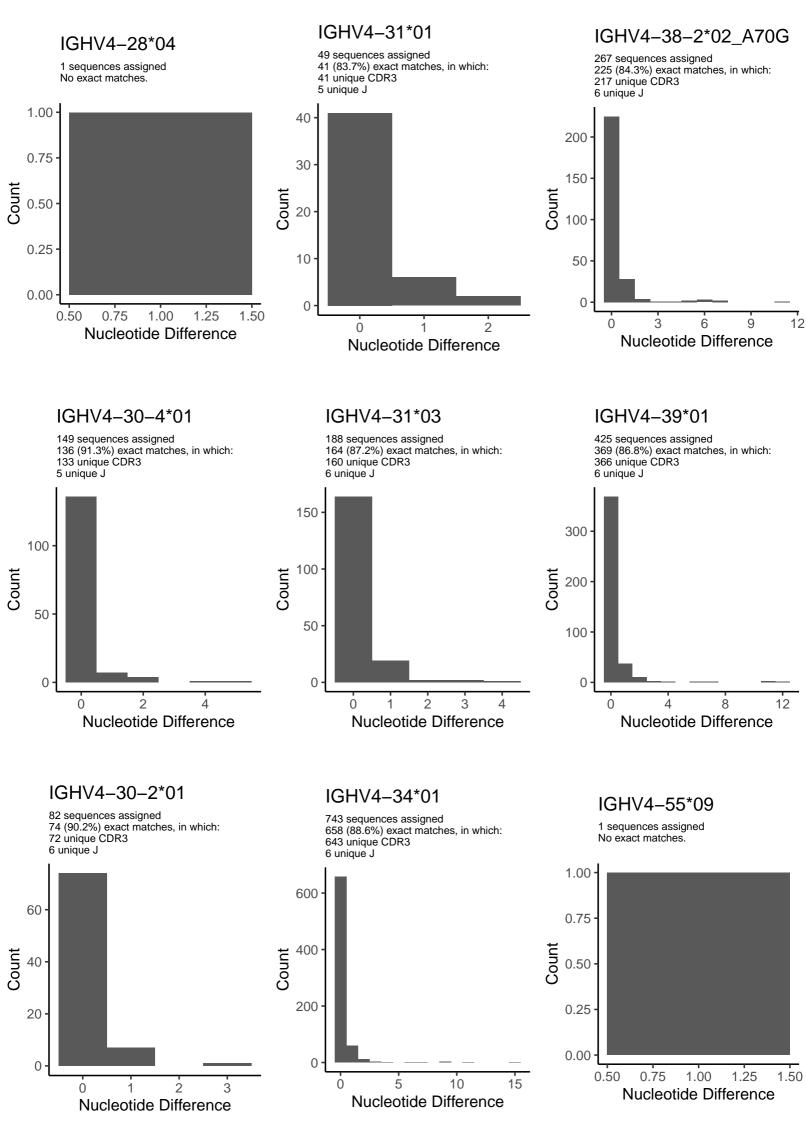


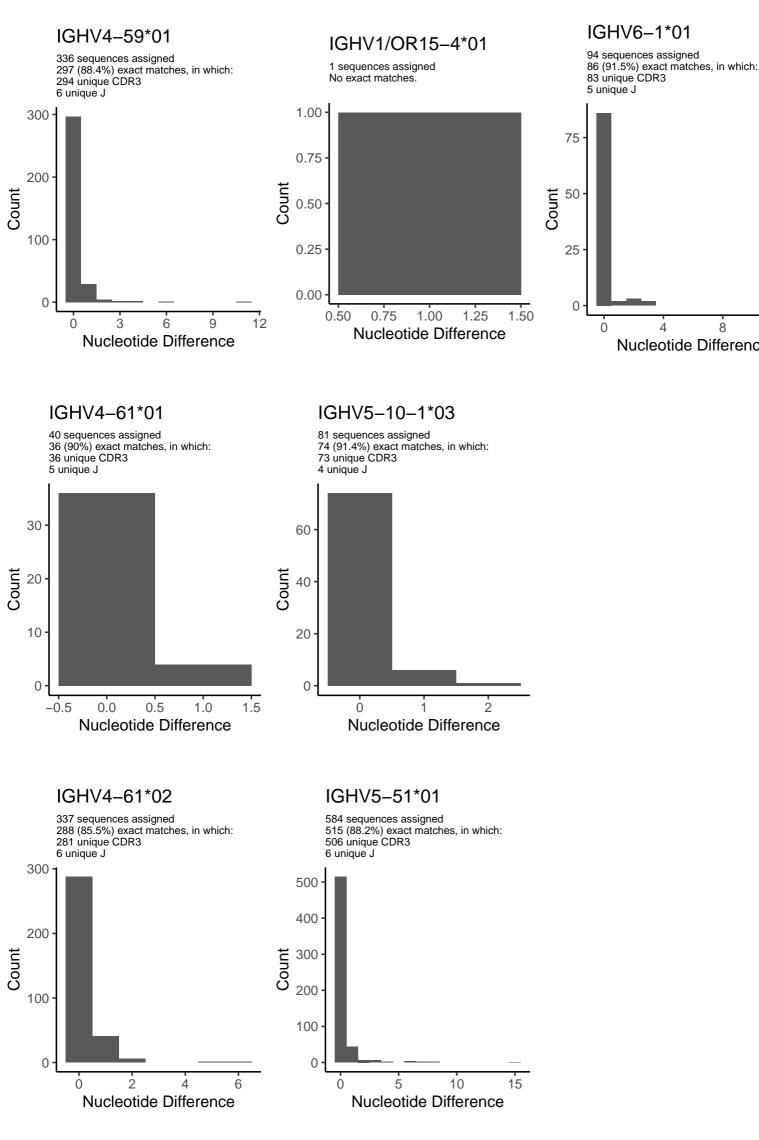




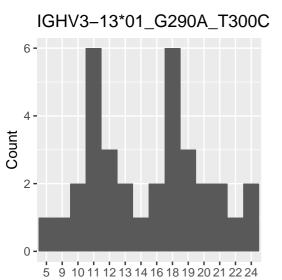








Nucleotide Difference



CDR3 AA Length (unmutated)

