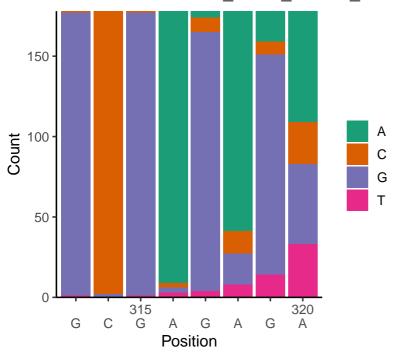
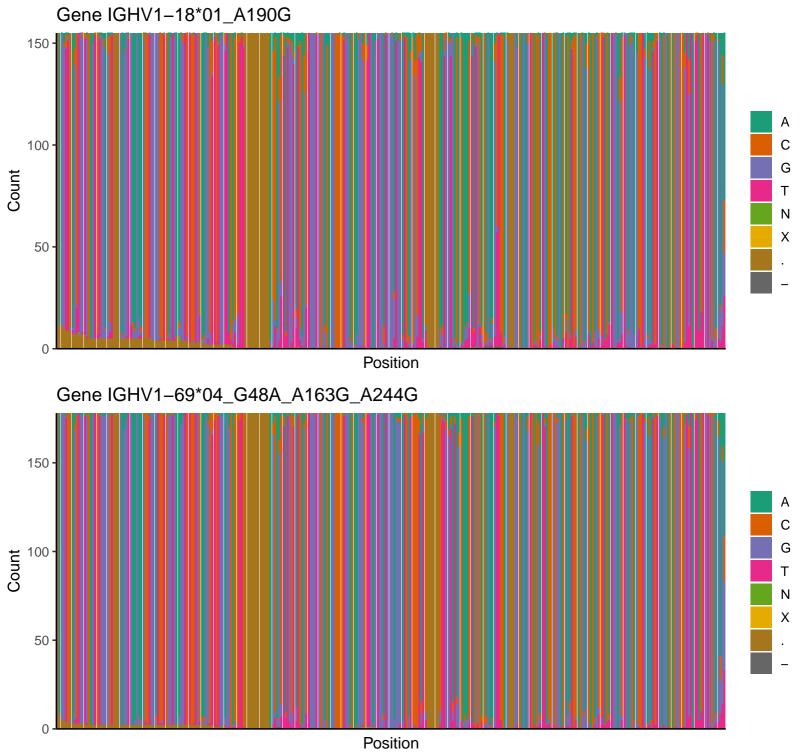
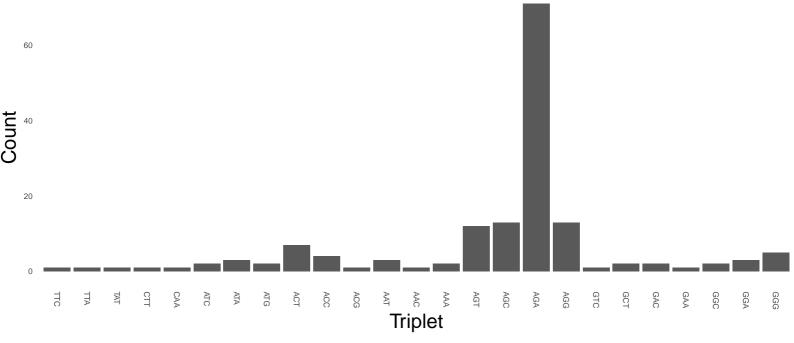


Gene IGHV1-69*04_G48A_A163G_A244G

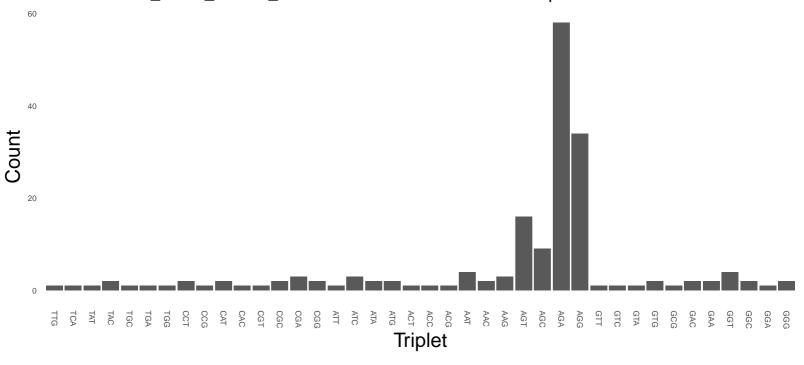


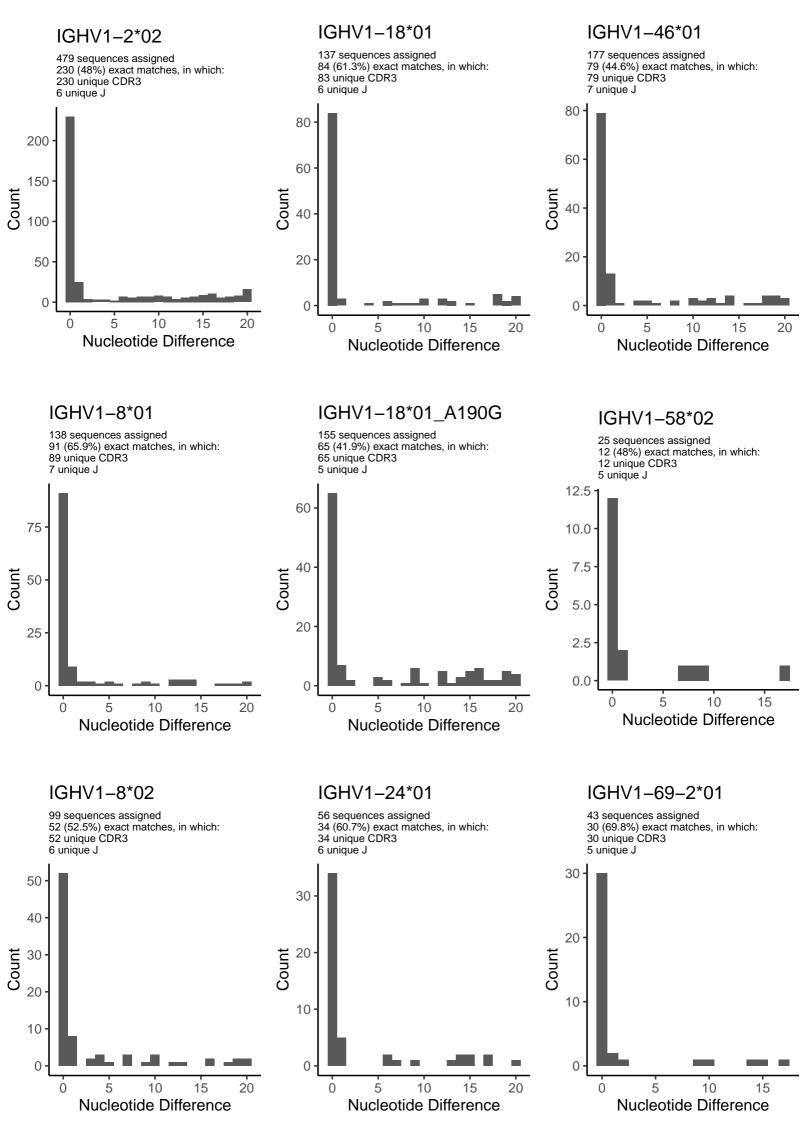


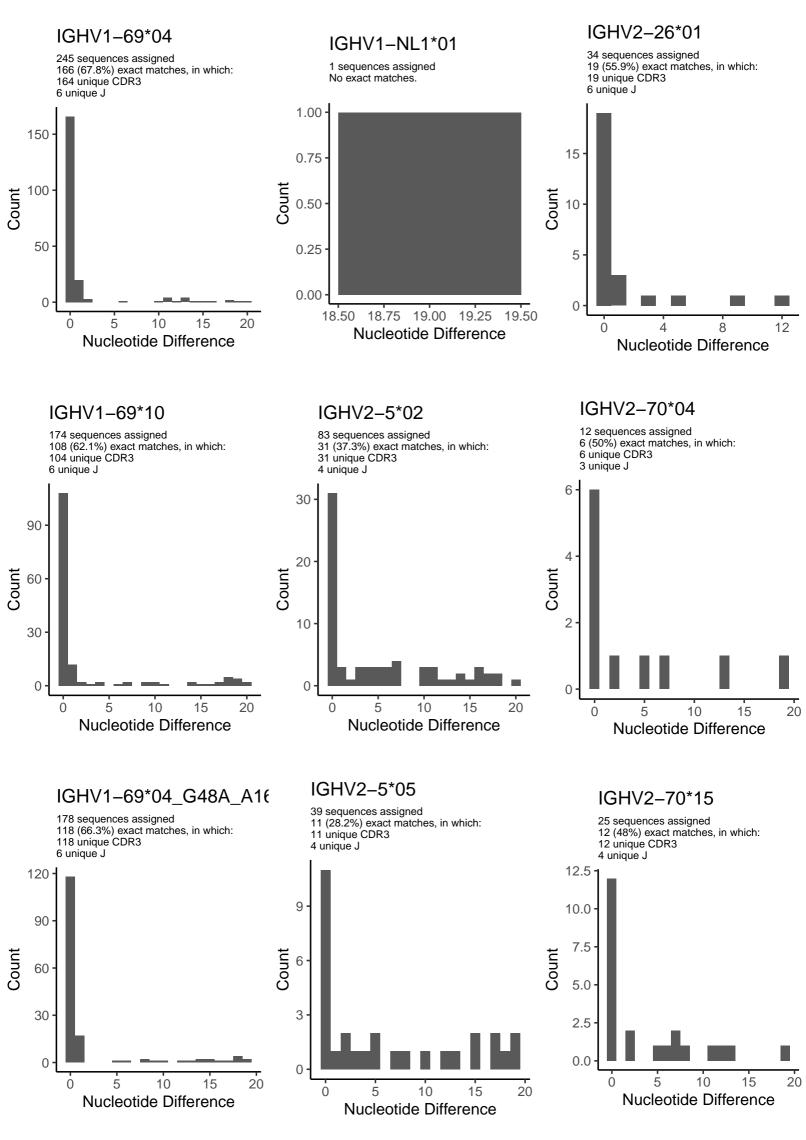
IGHV1-18*01_A190G- Final 3 nucleotides as a triplet

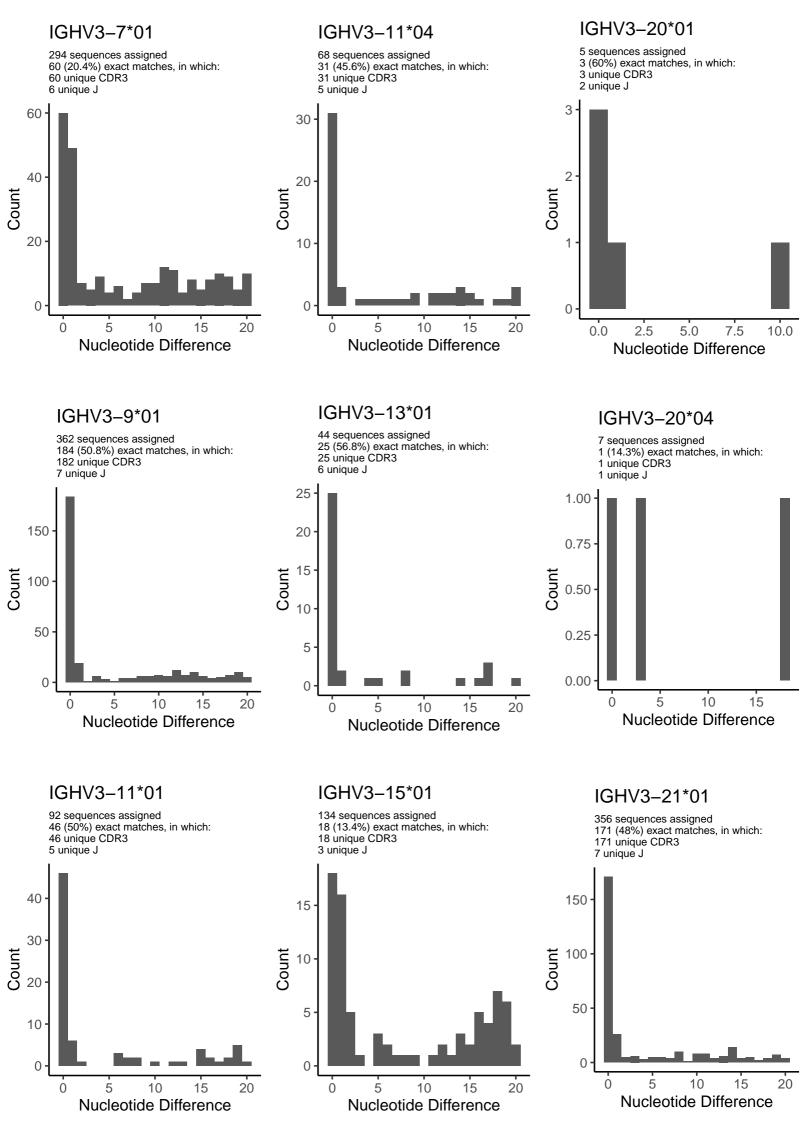


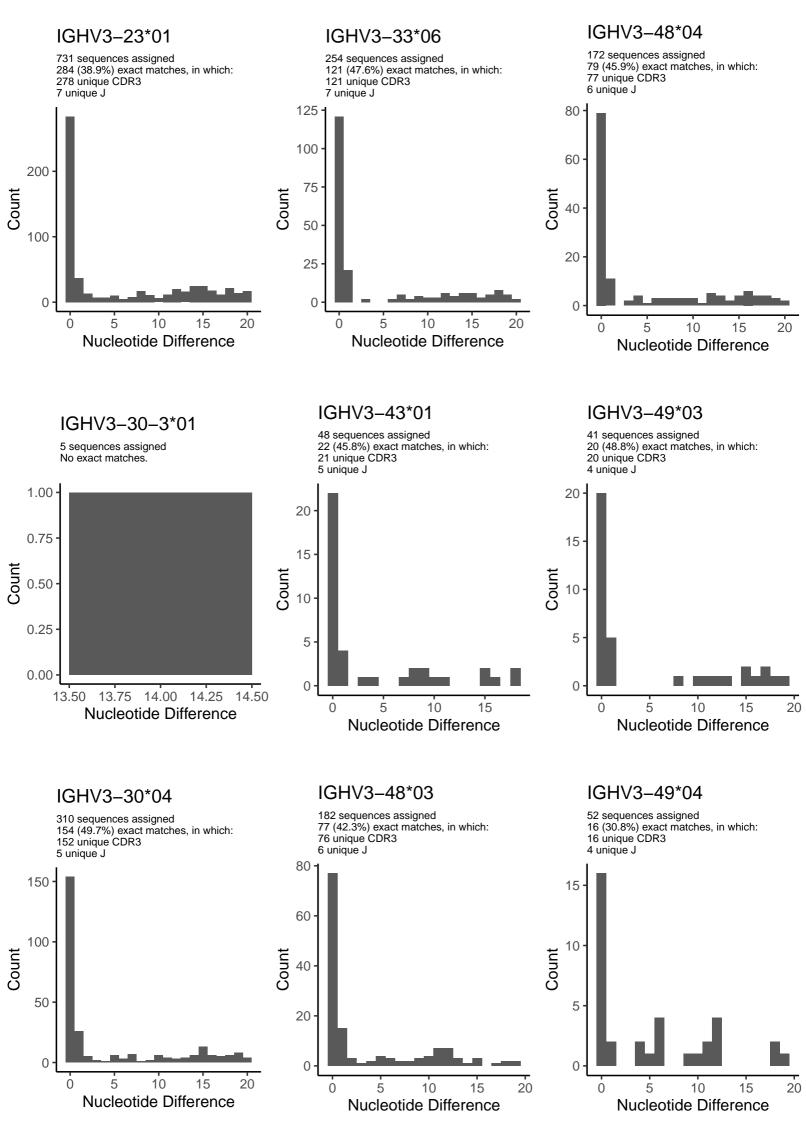
IGHV1-69*04_G48A_A163G_A244G- Final 3 nucleotides as a triplet

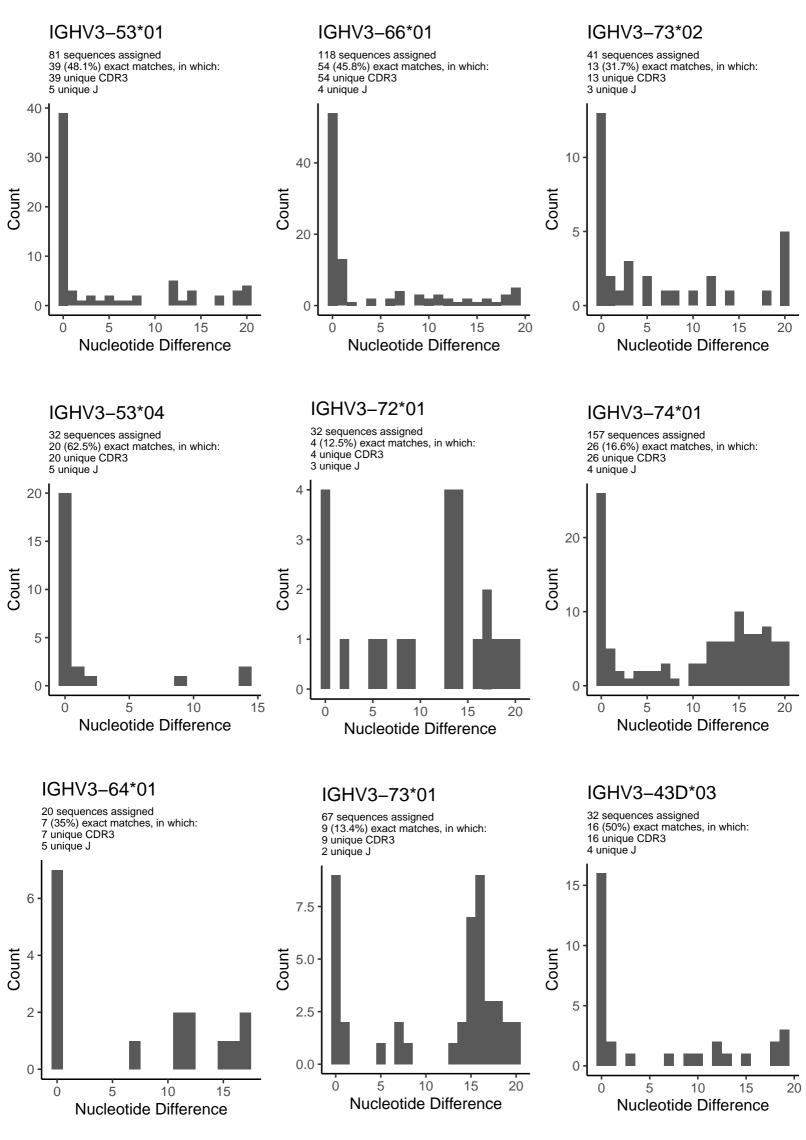


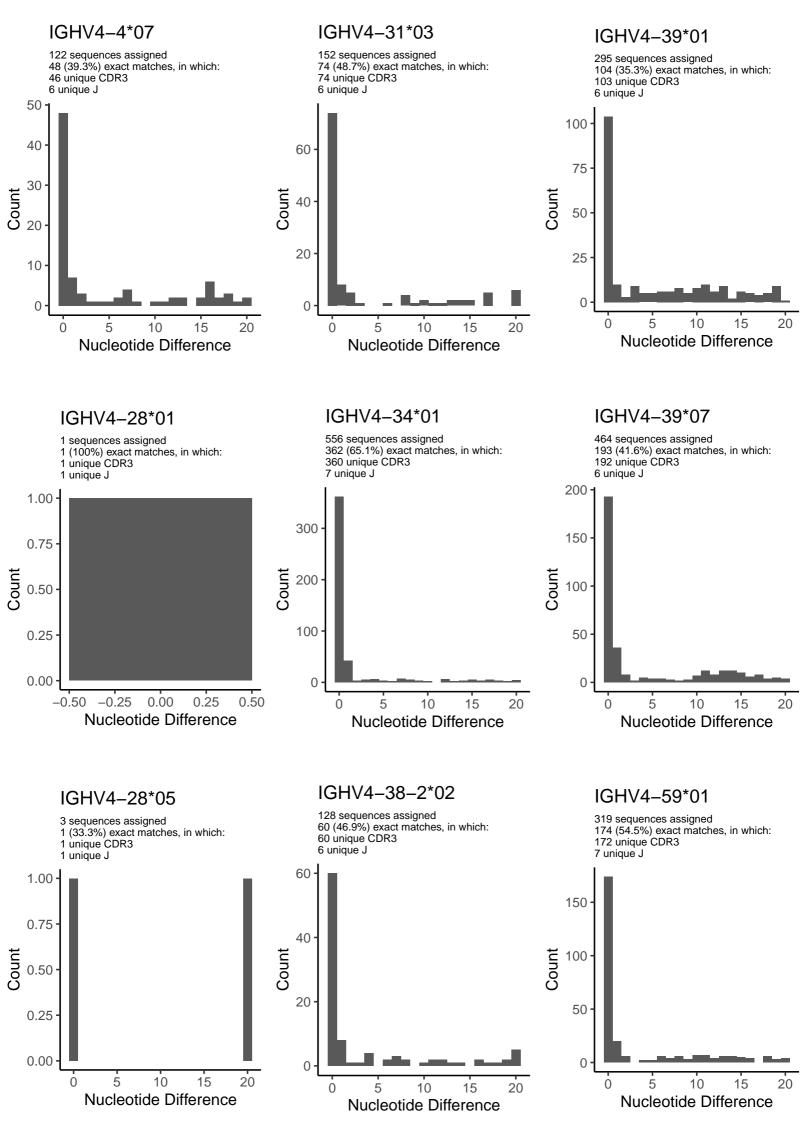


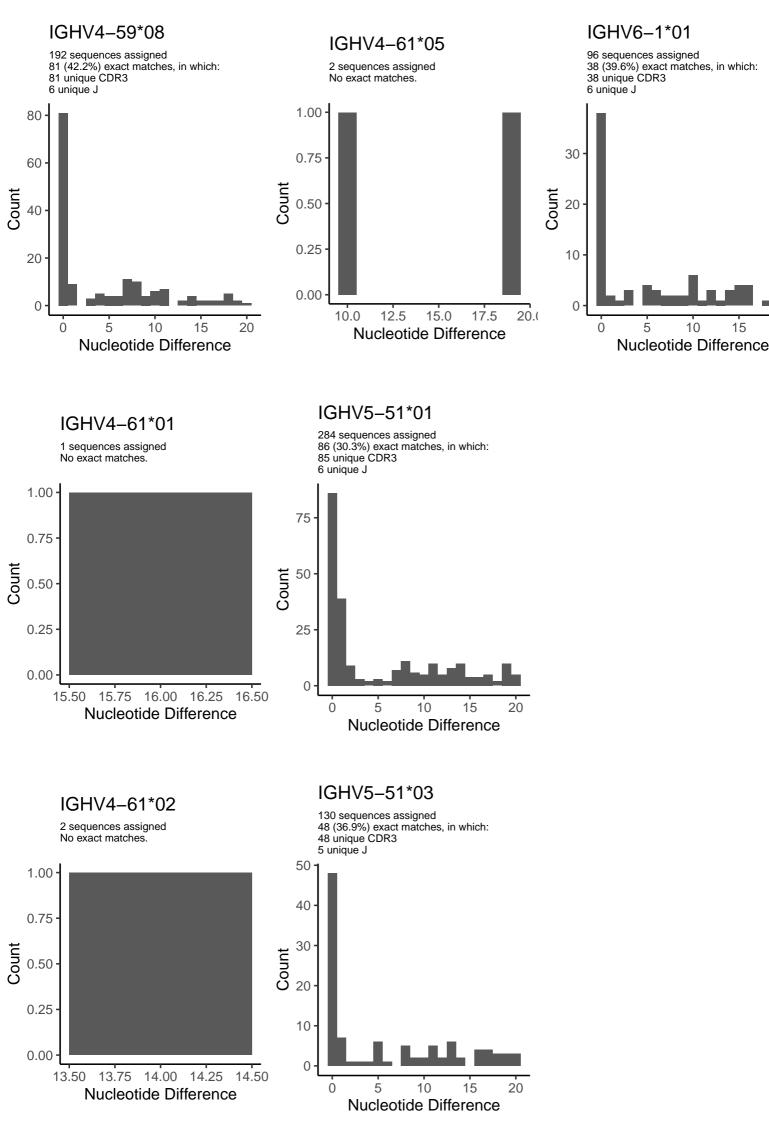


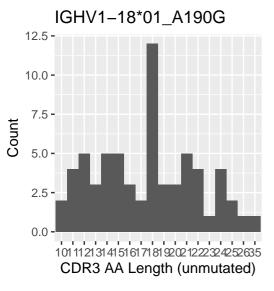




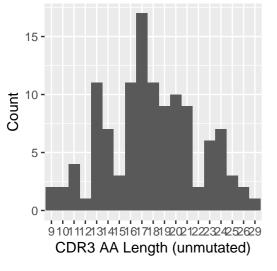


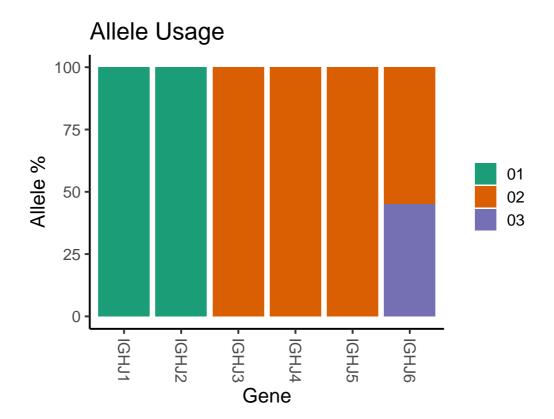






IGHV1-69*04_G48A_A163G_A244G





Sequence Count by IGHJ6 allele usage

