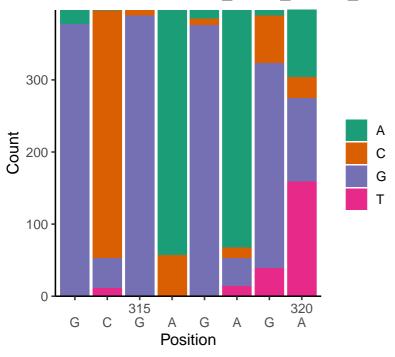
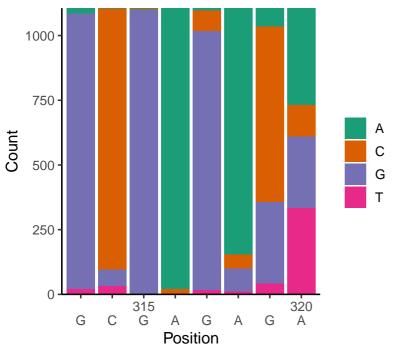
Gene IGHV4-31*02_G83A_T125G_A157C_T167G_C204T_G226C_C245T_C271T_G303



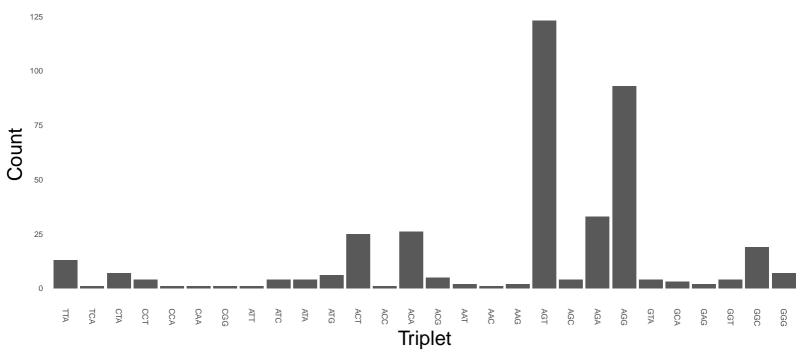
Gene IGHV4-39*02_G164C_G191A_C258G



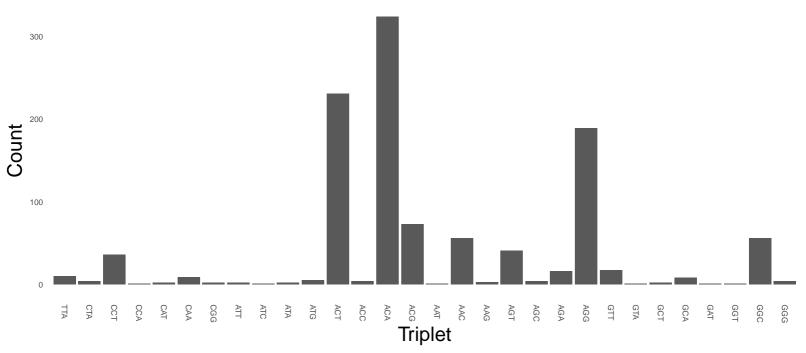
Position

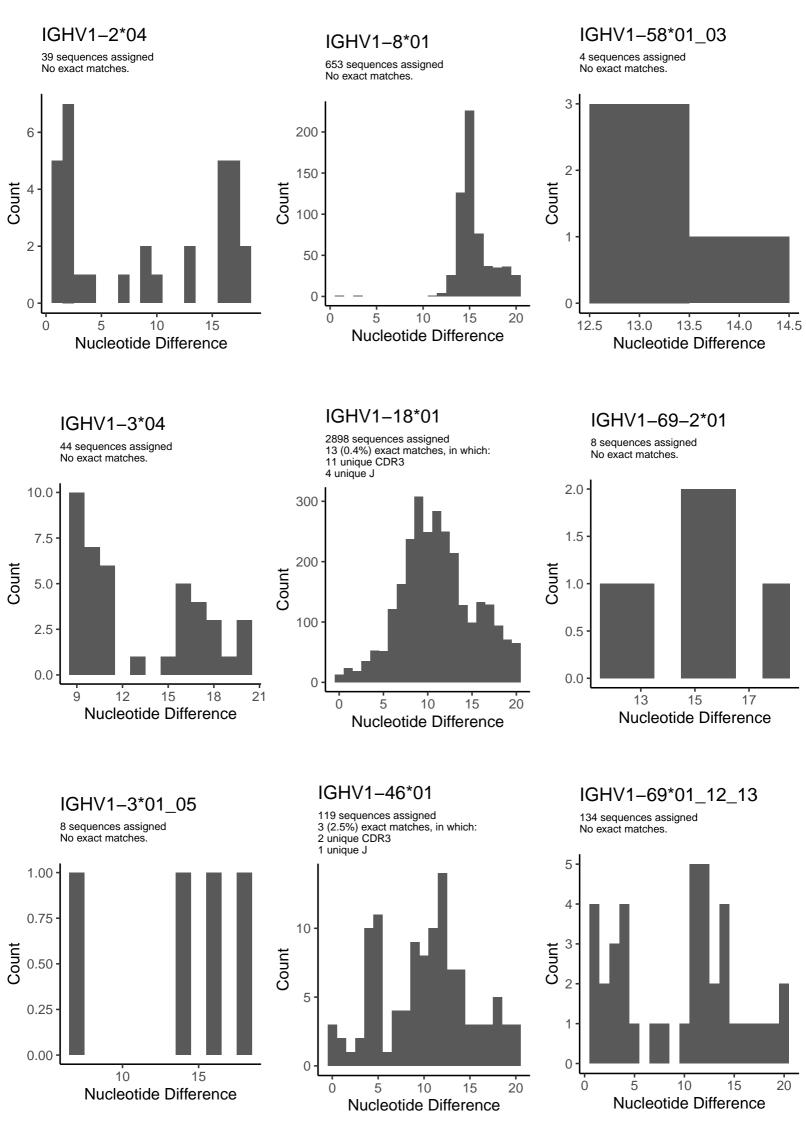
250

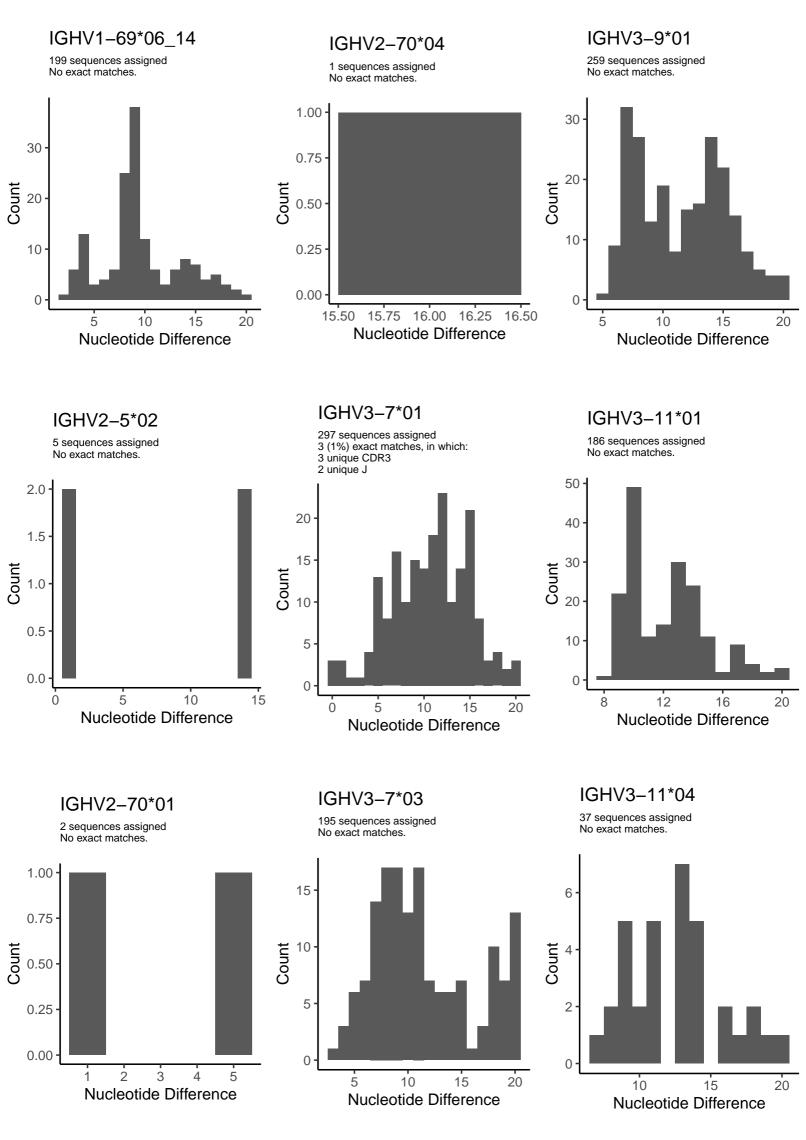
IGHV4-31*02_G83A_T125G_A157C_T167G_C204T_G226C_C245T_C271T_G303T- Final 3 nucleon

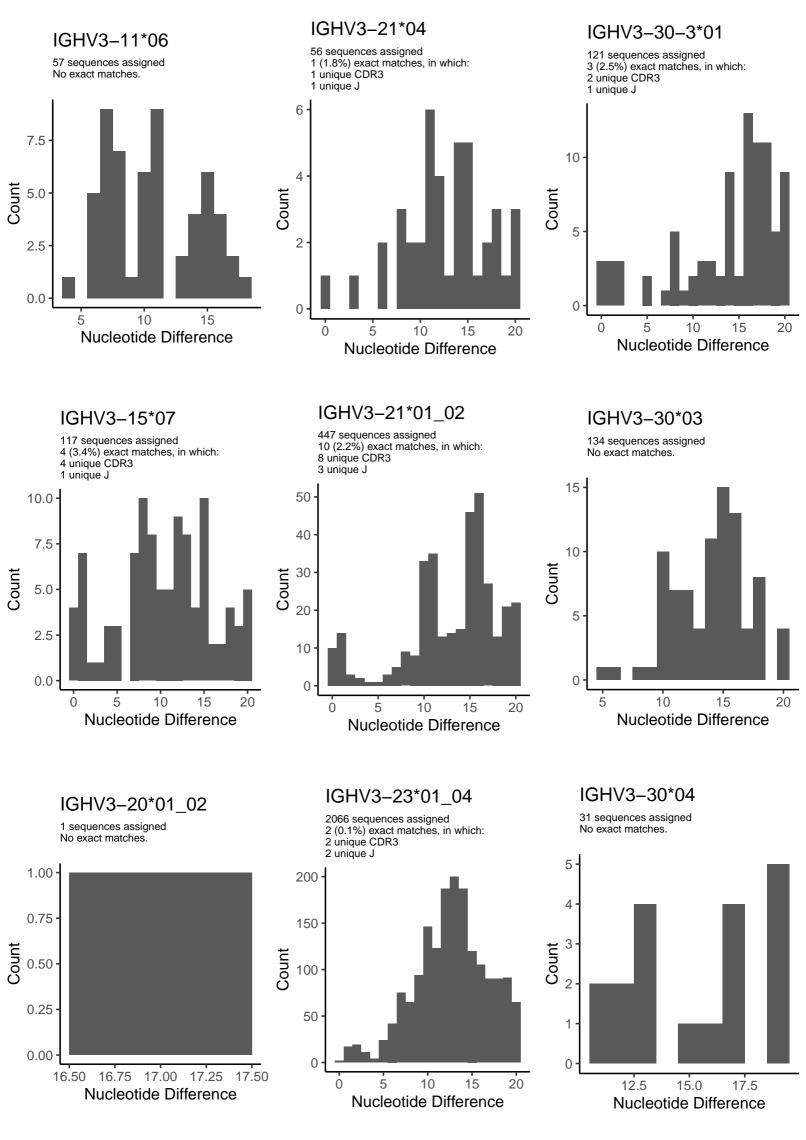


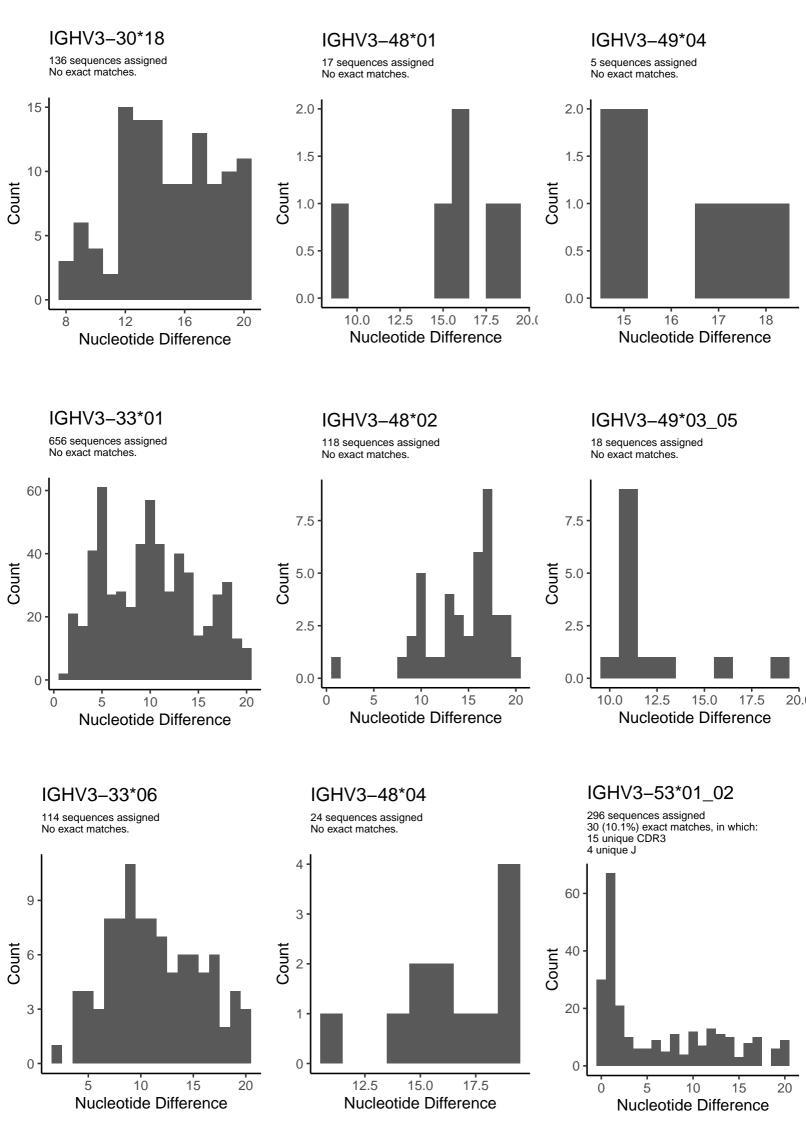
IGHV4-39*02_G164C_G191A_C258G- Final 3 nucleotides as a triplet

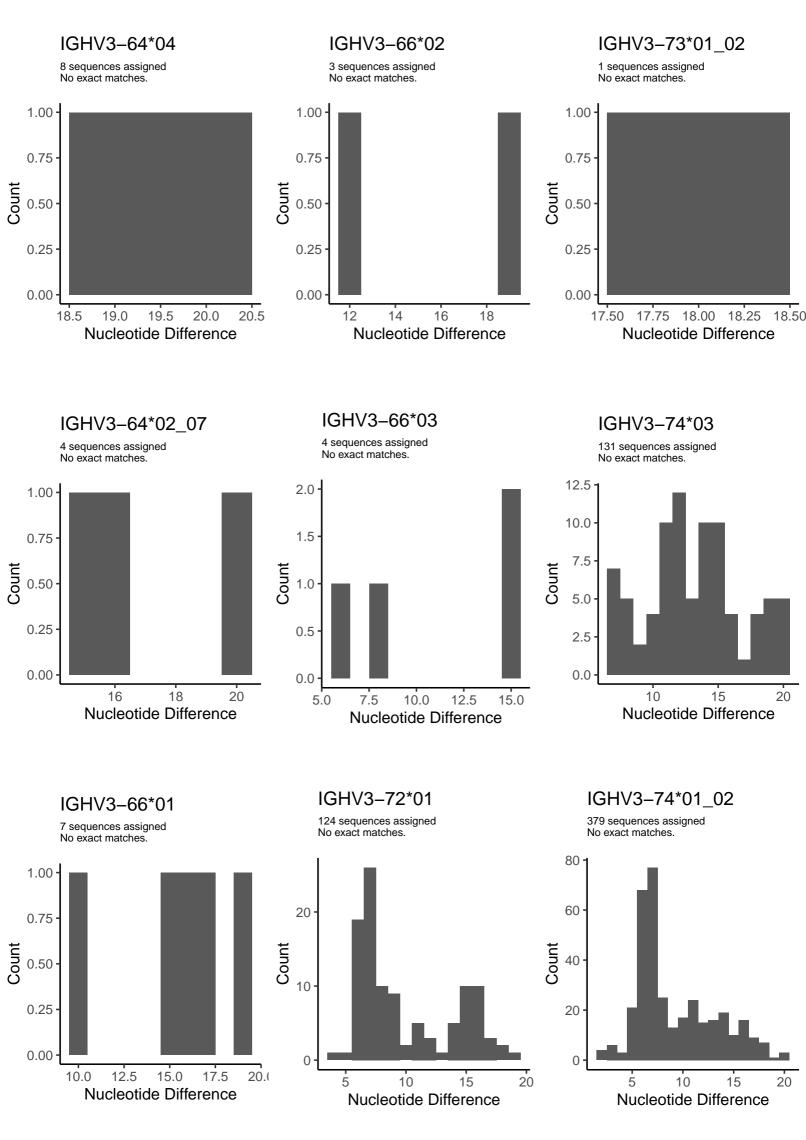


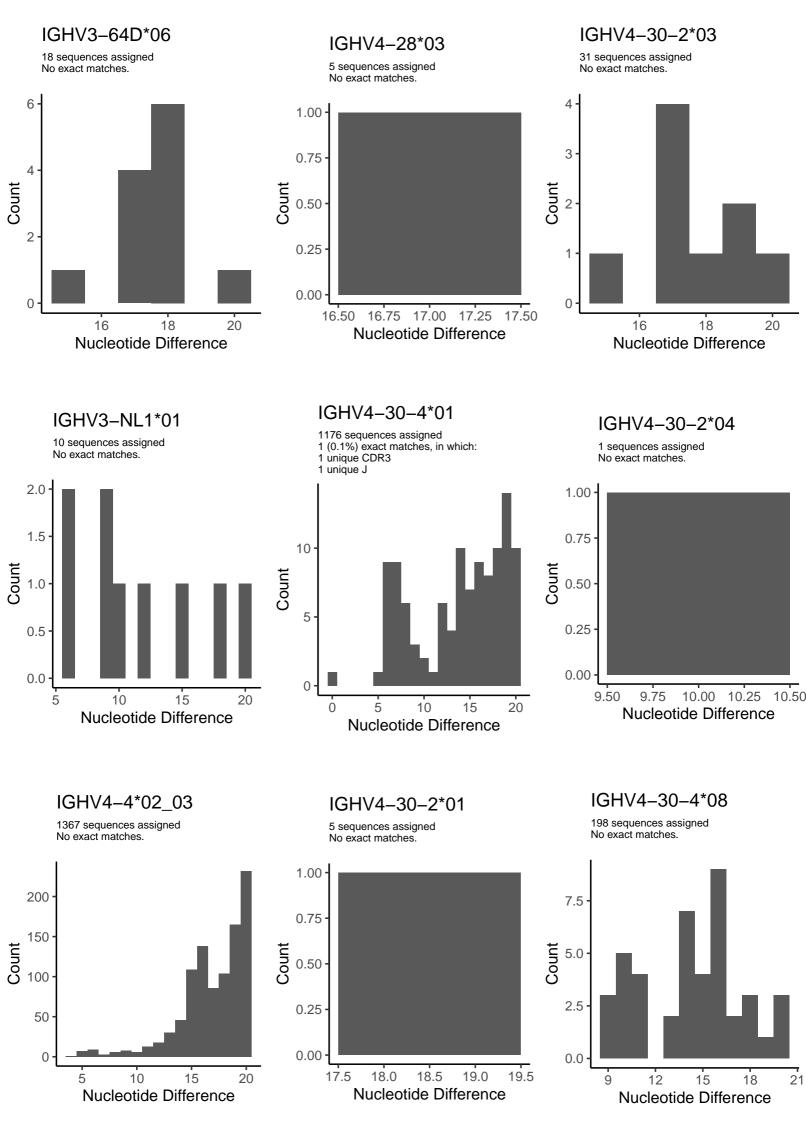


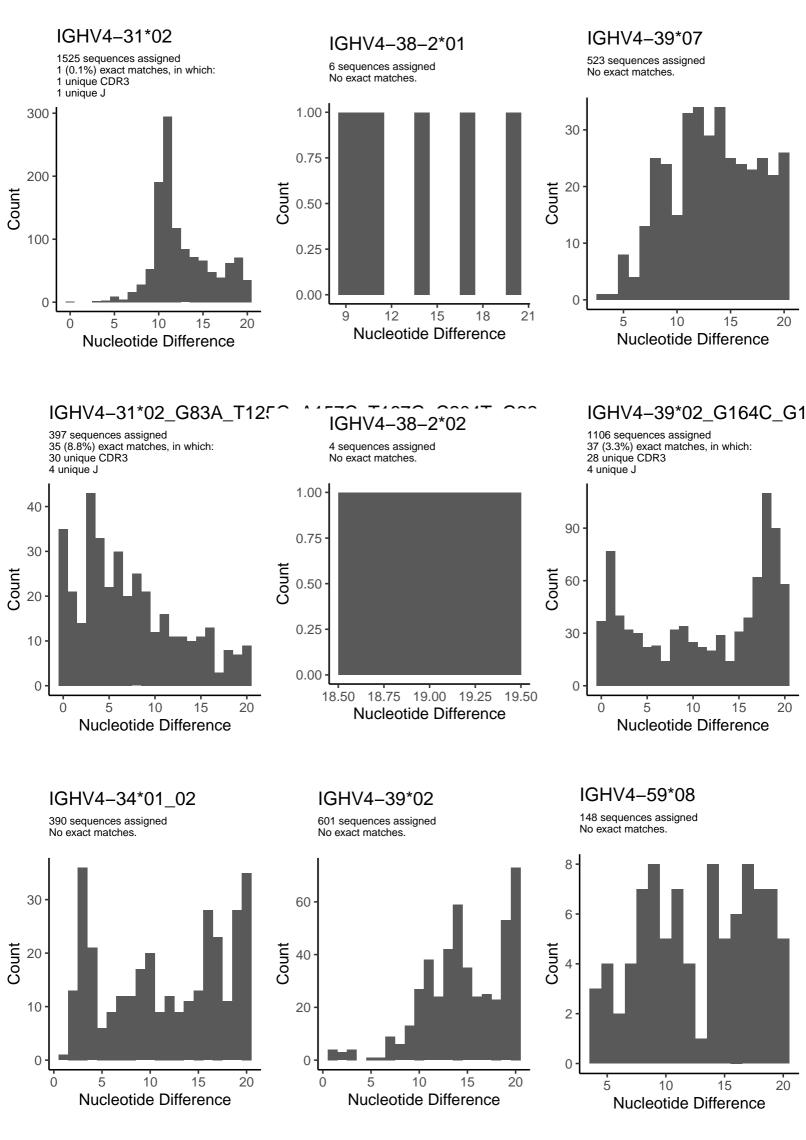


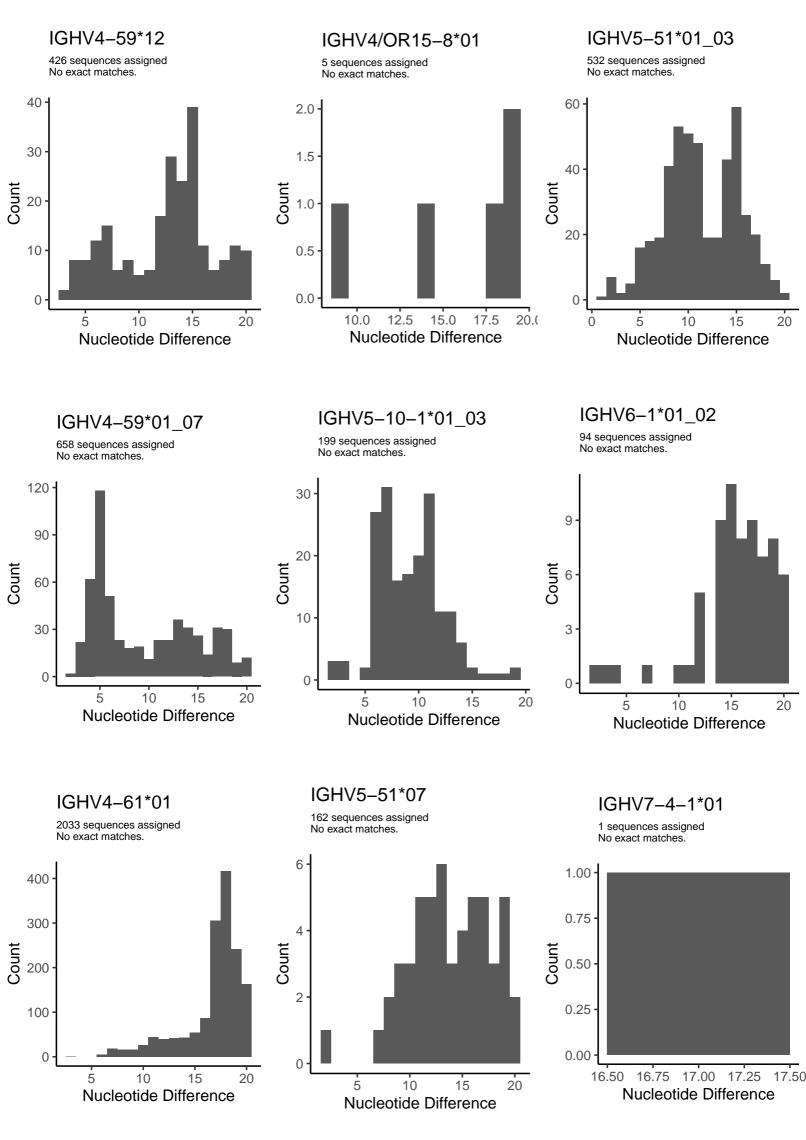




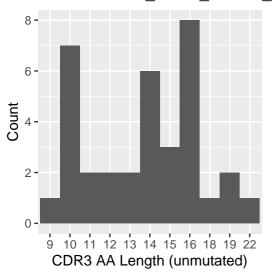








IGHV4-31*02_G83A_T125G_A157C_T167G_C204T_G226C_C245T_C271T_G303T



IGHV4-39*02_G164C_G191A_C258G

