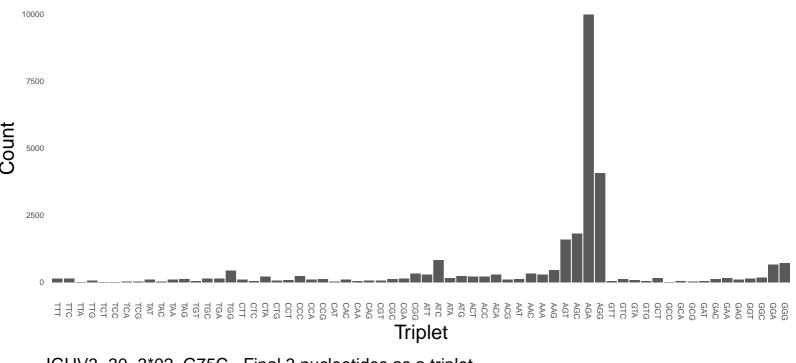
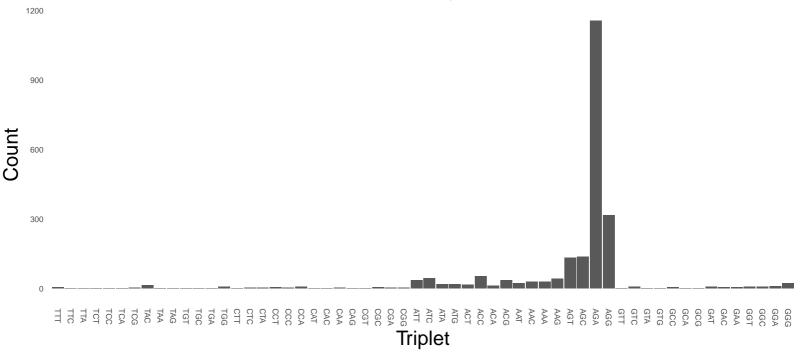


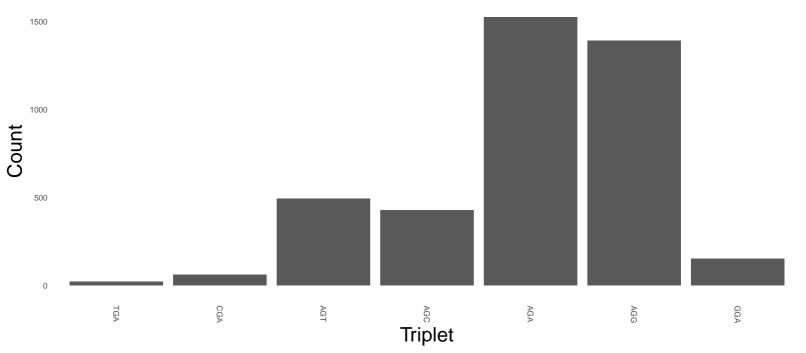
IGHV1-69\*04\_09\_G112A- Final 3 nucleotides as a triplet

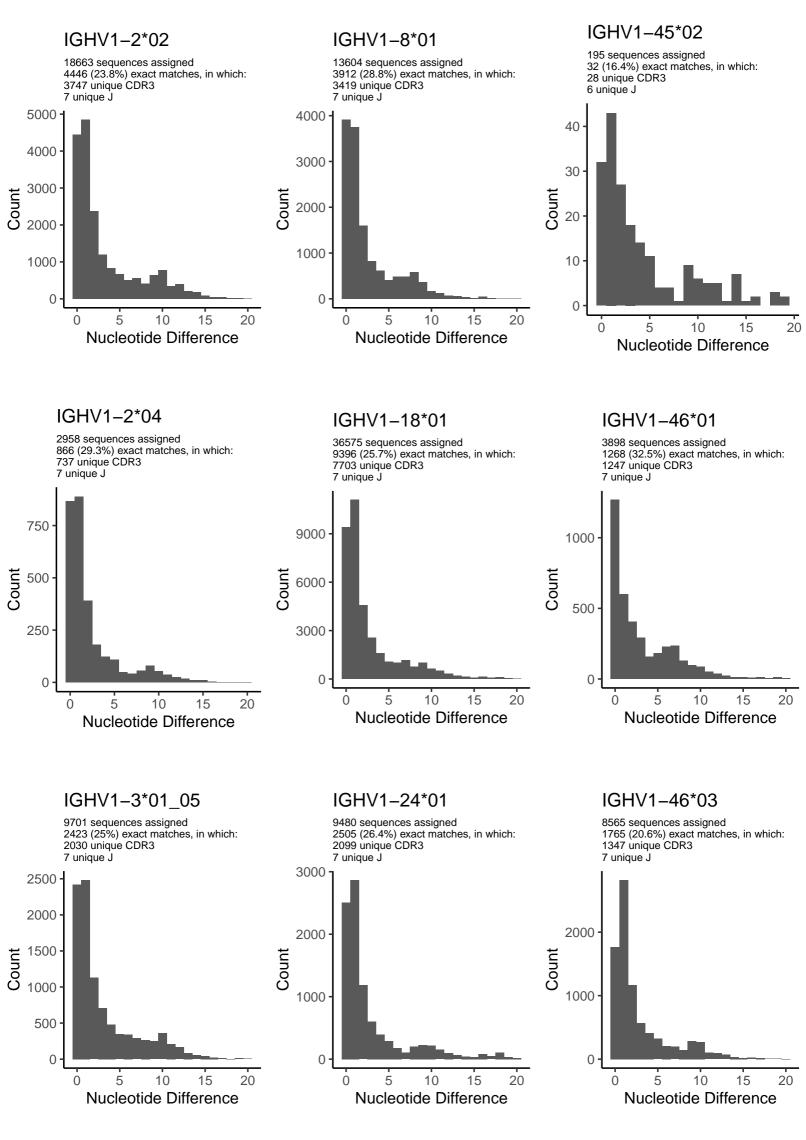


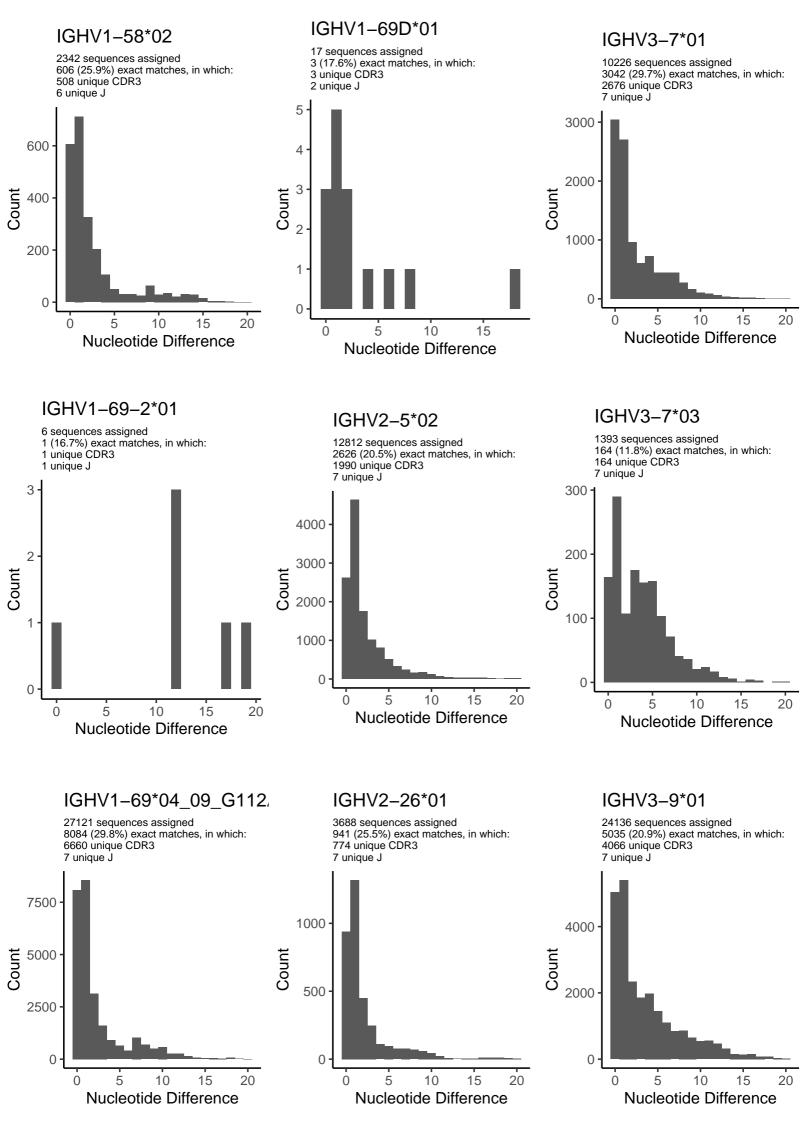
IGHV3-30-3\*02\_G75C- Final 3 nucleotides as a triplet

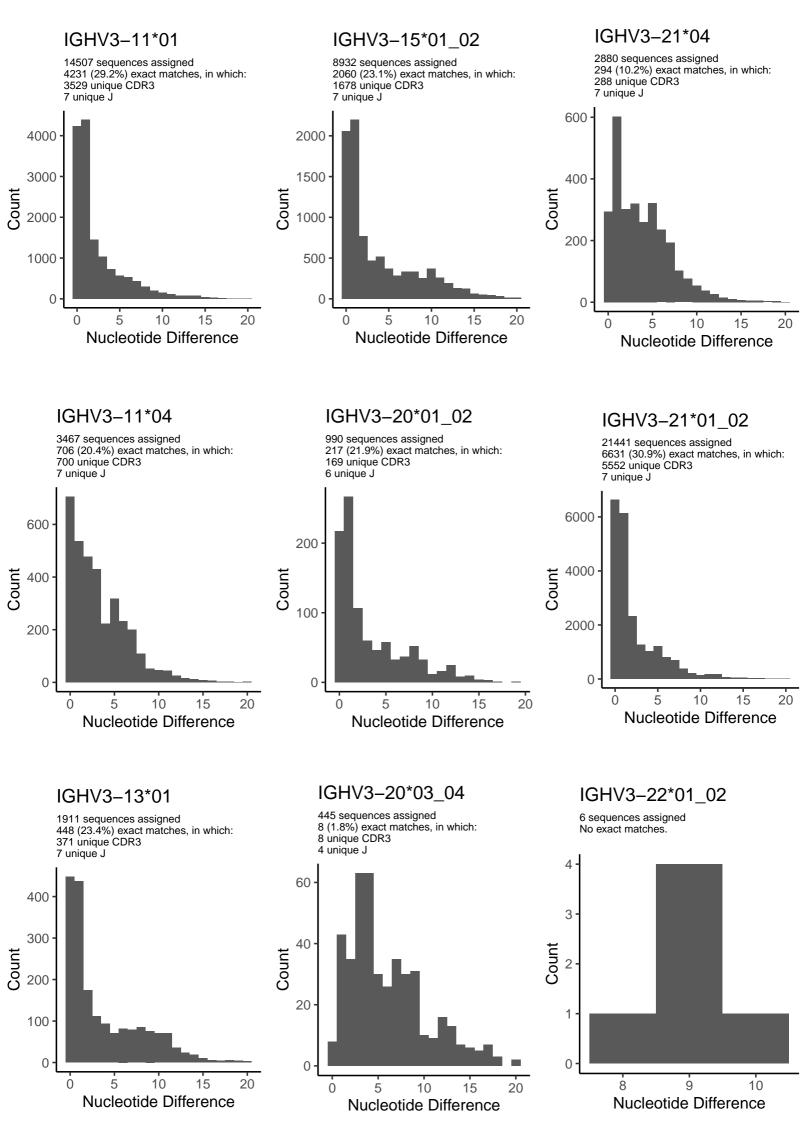


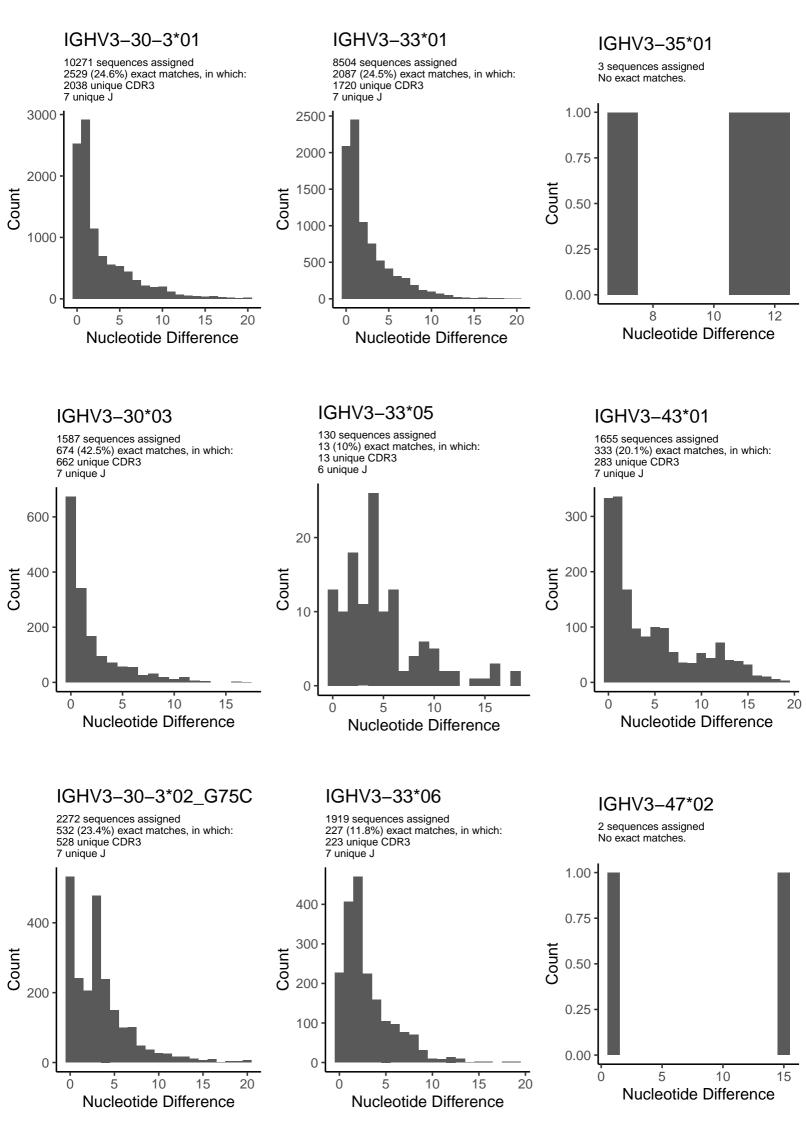
IGHV4-39\*02\_C258G- Final 3 nucleotides as a triplet

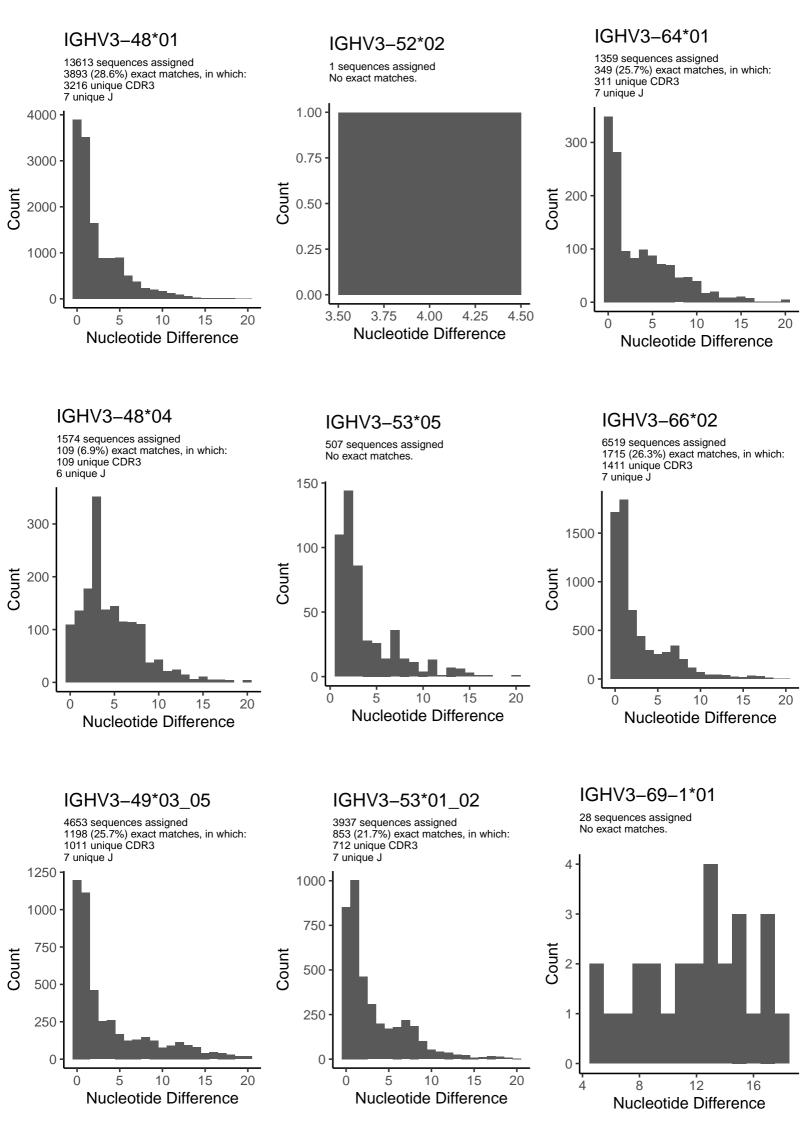


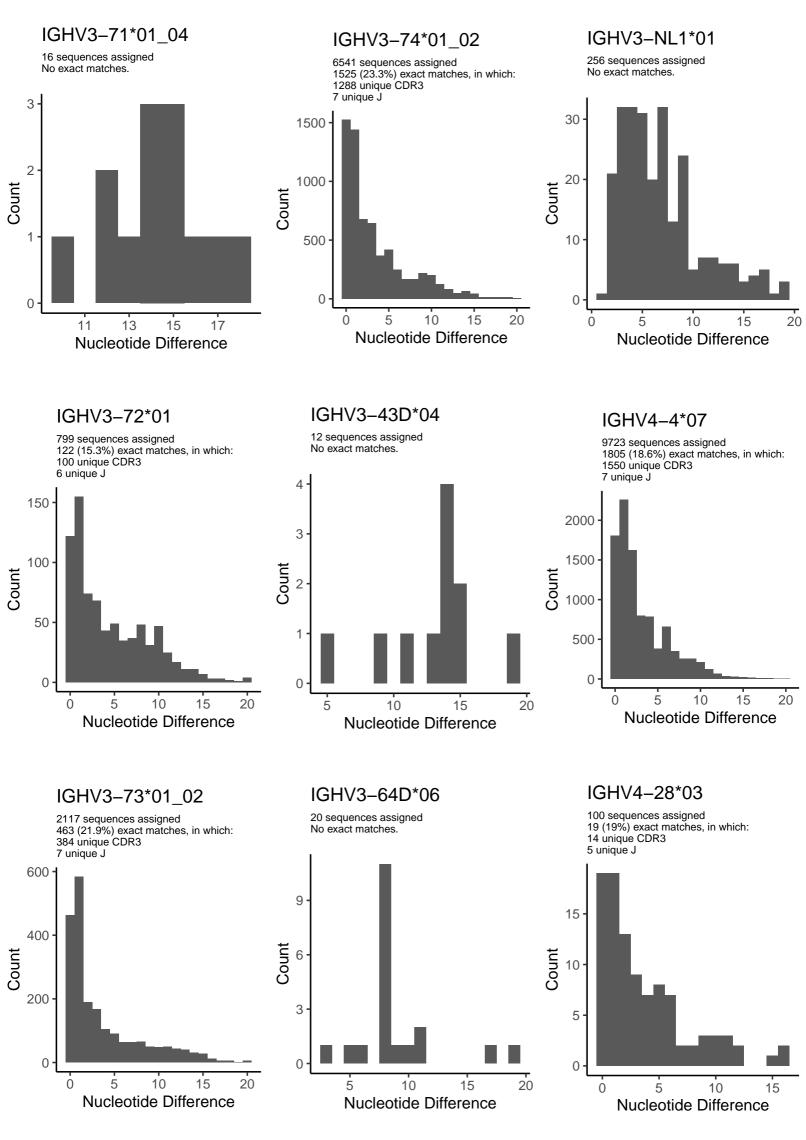


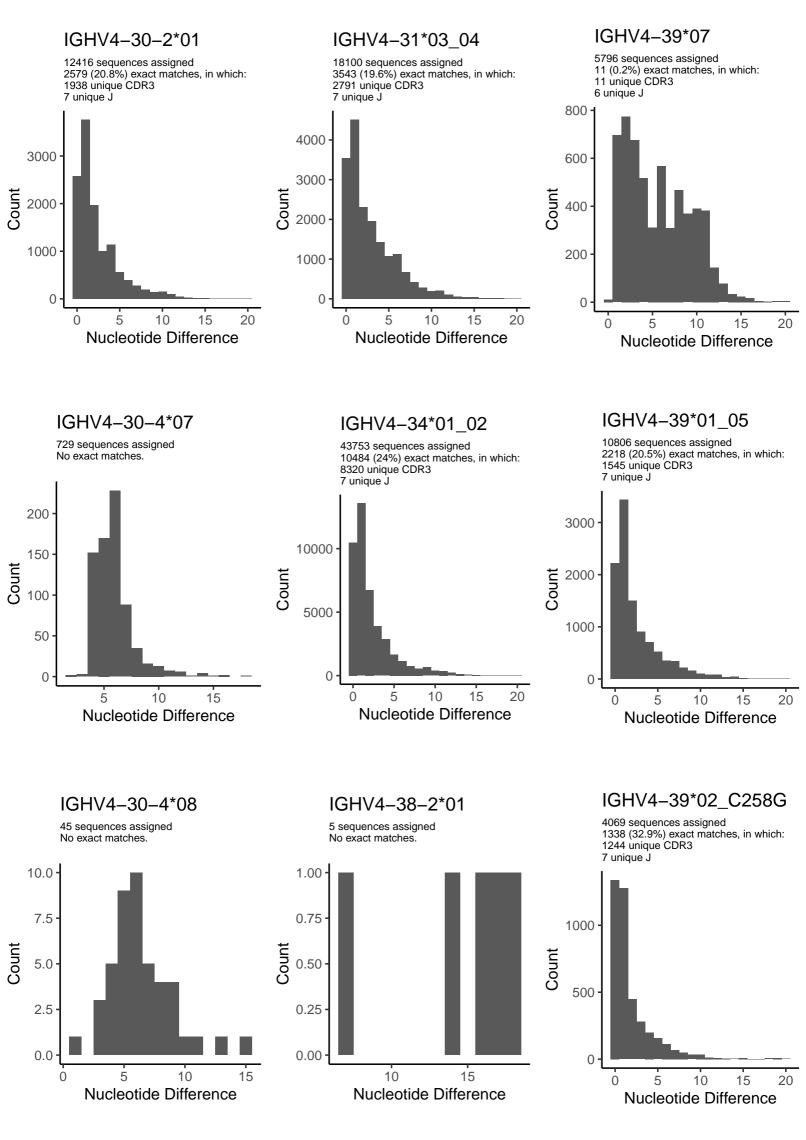


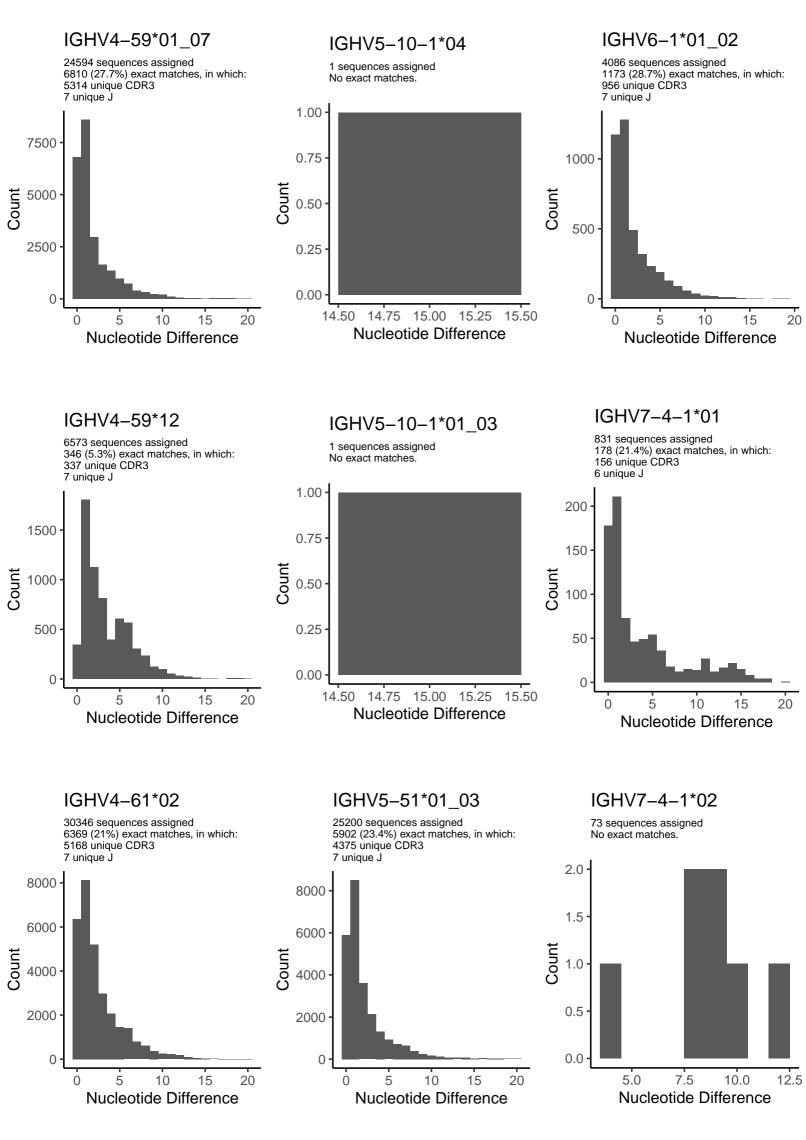


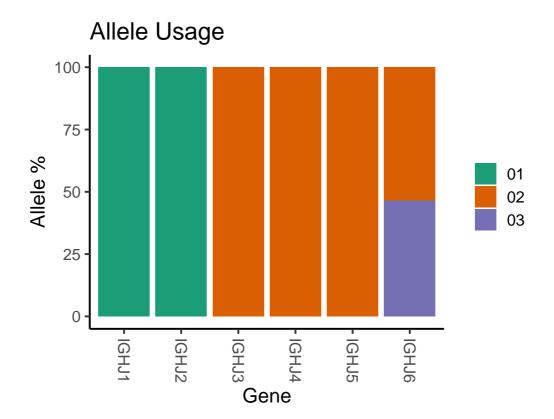




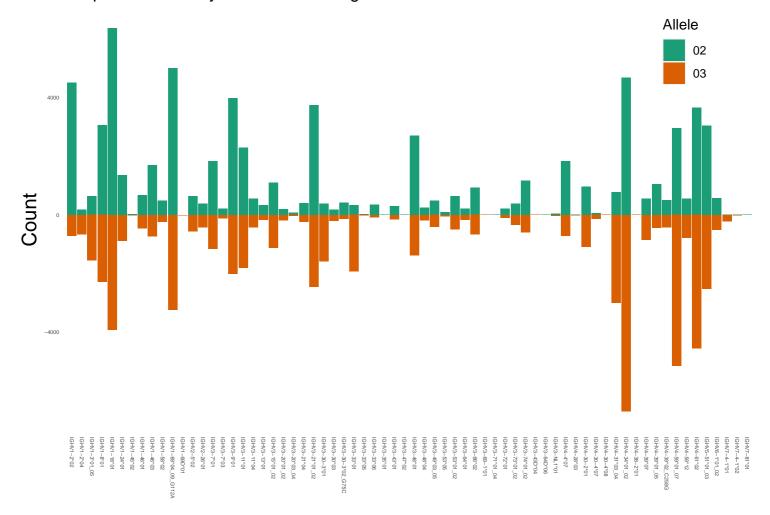








## Sequence Count by IGHJ6 allele usage



Novel sequence(s) IGHV1-69\*08\_C191T IGHV3-11\*06\_T300C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-53\*05\_C300T are not listed in the genotype and will be ignored.