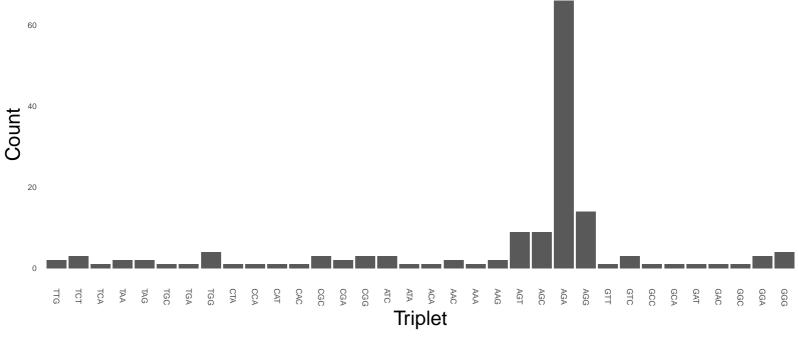
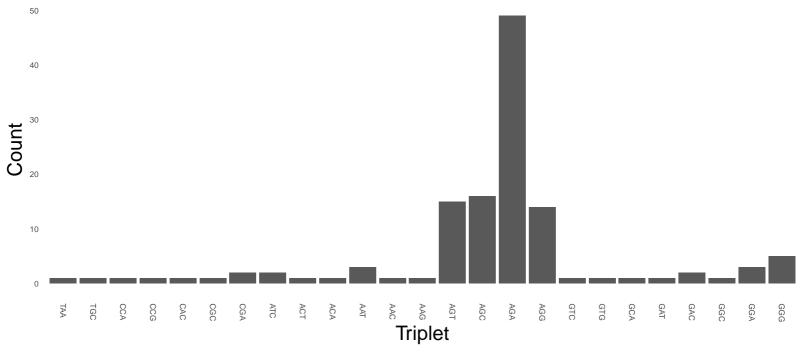
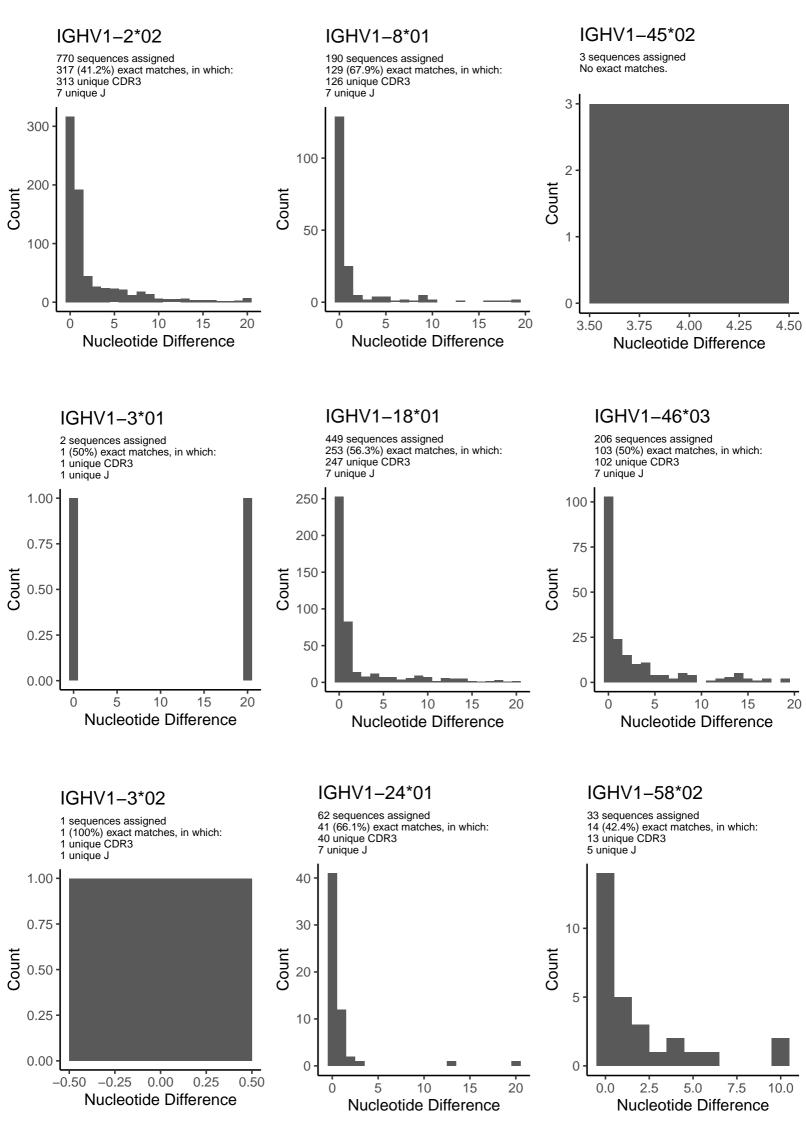


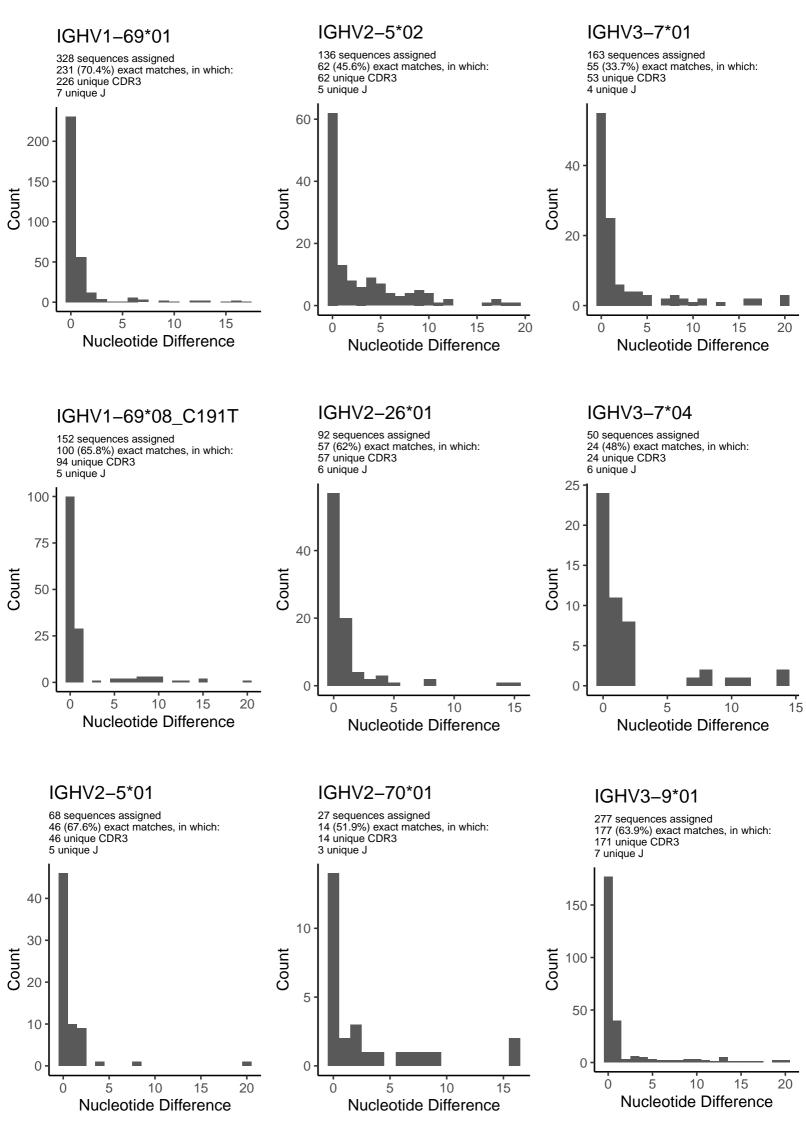
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

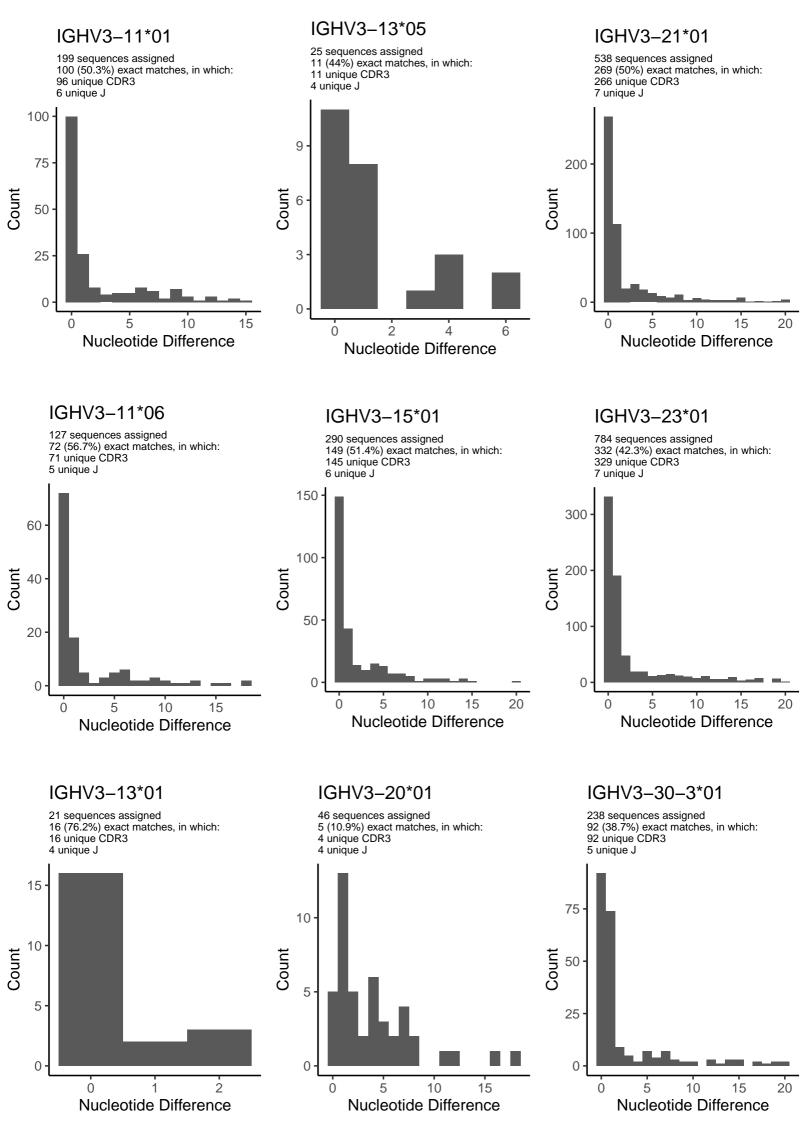


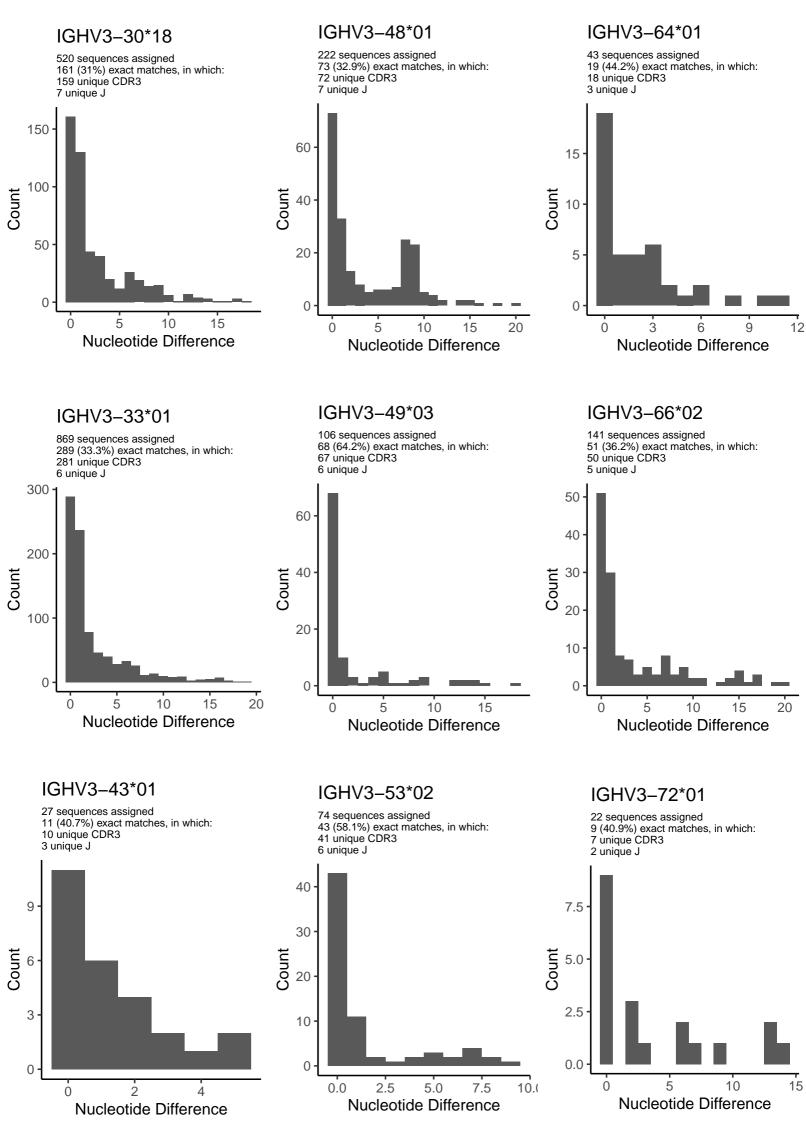
IGHV4-61*02_A234G- Final 3 nucleotides as a triplet

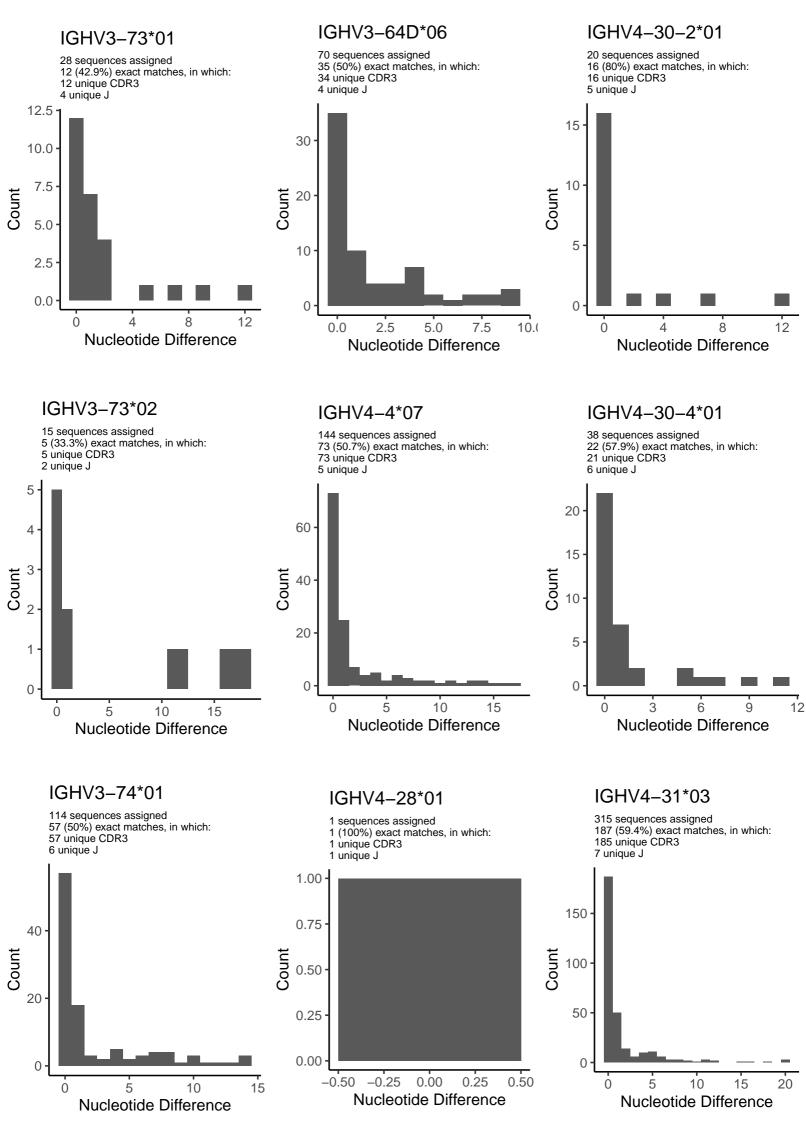


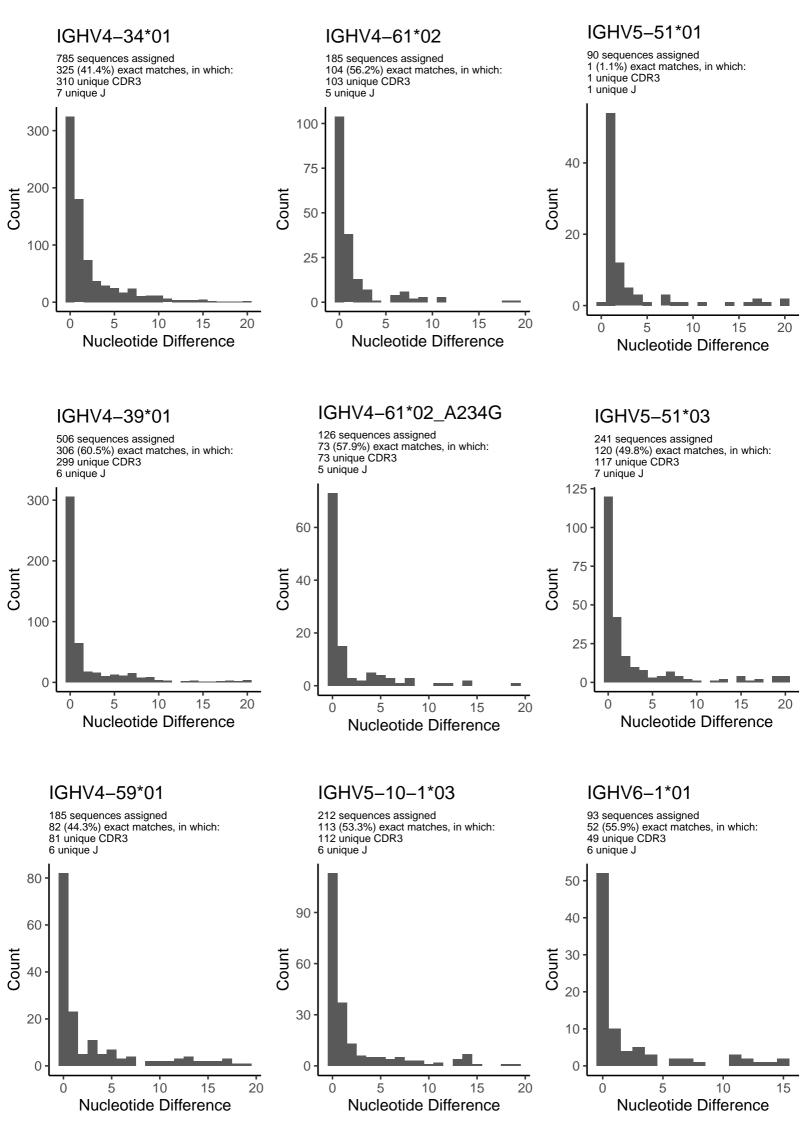






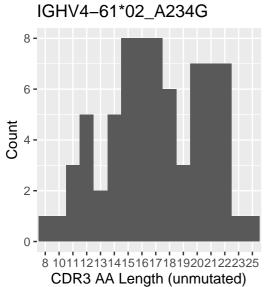


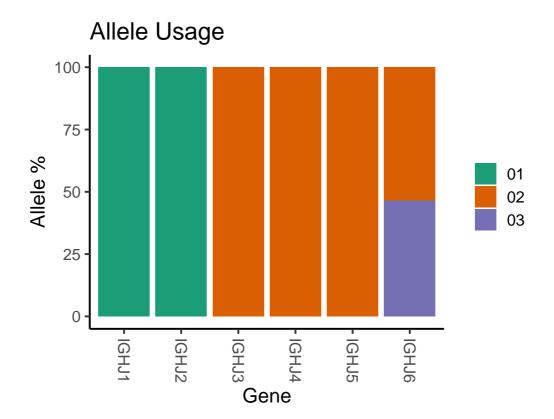




Count

8 91011121314151617181920212232452627 CDR3 AA Length (unmutated)





Sequence Count by IGHJ6 allele usage

