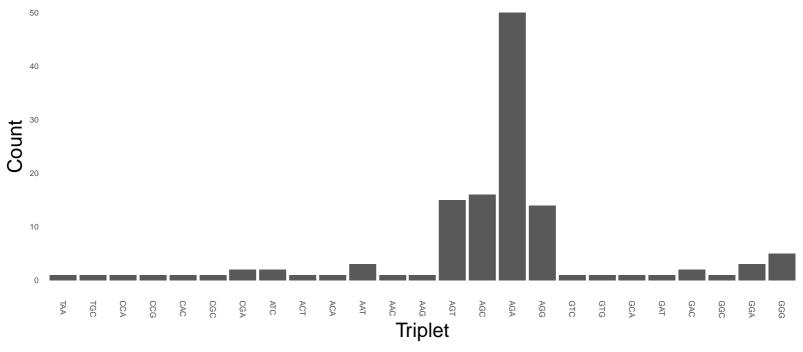
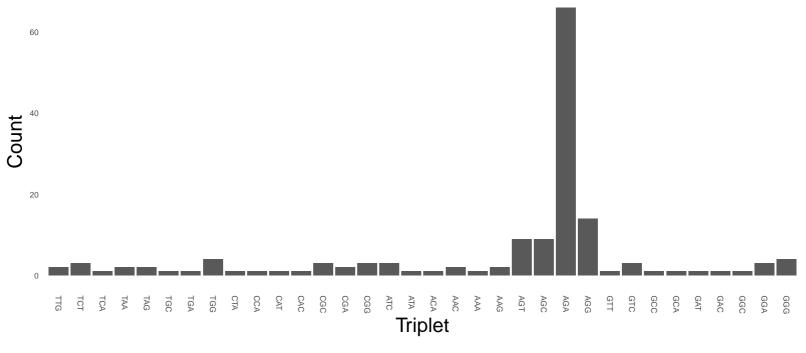
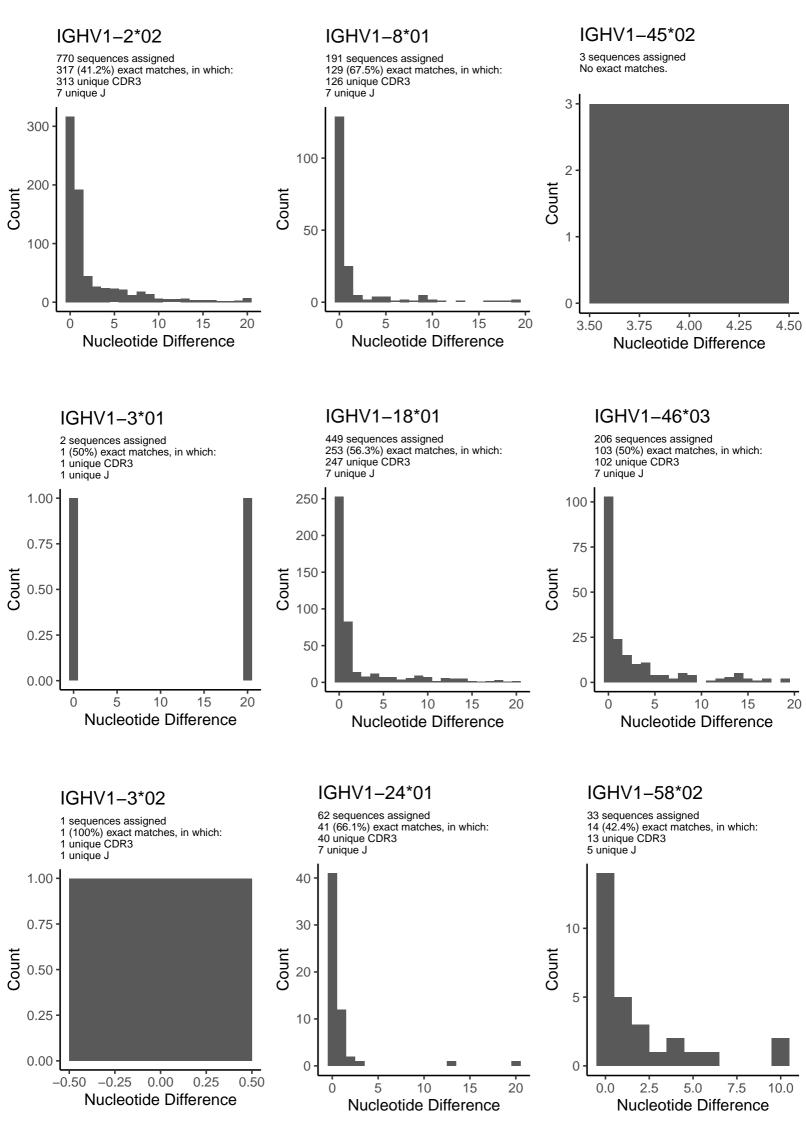


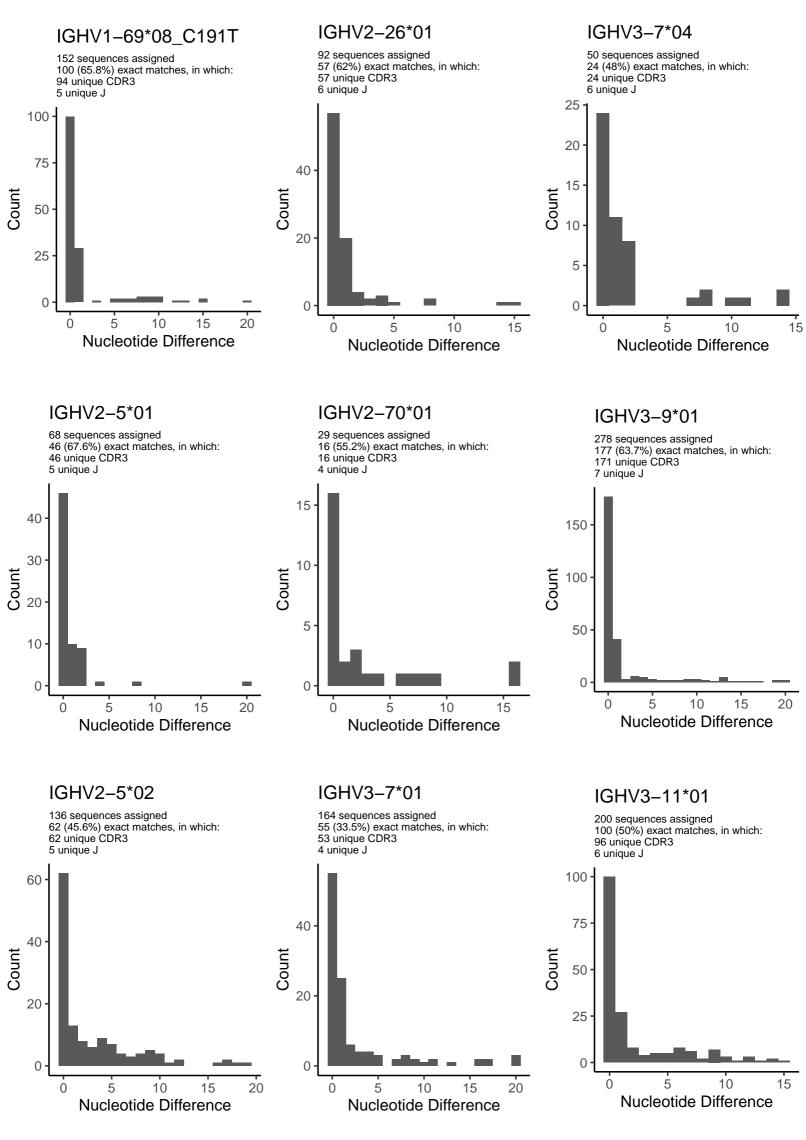
IGHV4-61*02_A234G- Final 3 nucleotides as a triplet

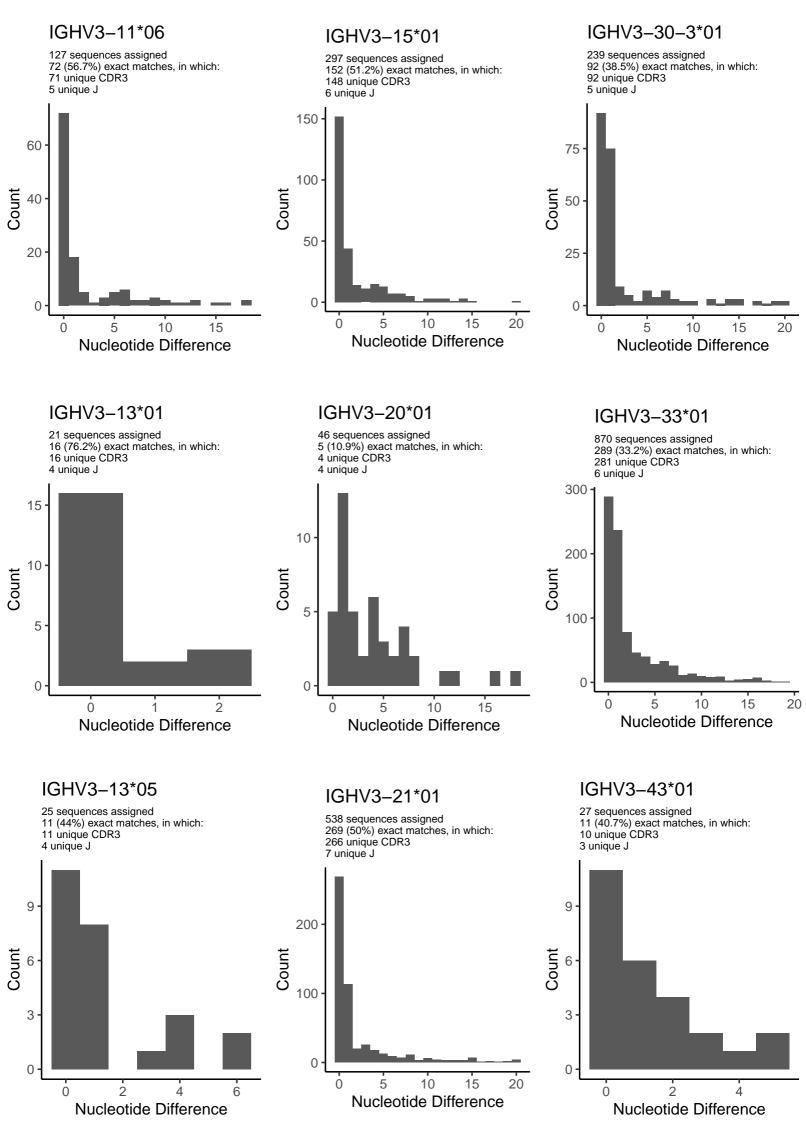


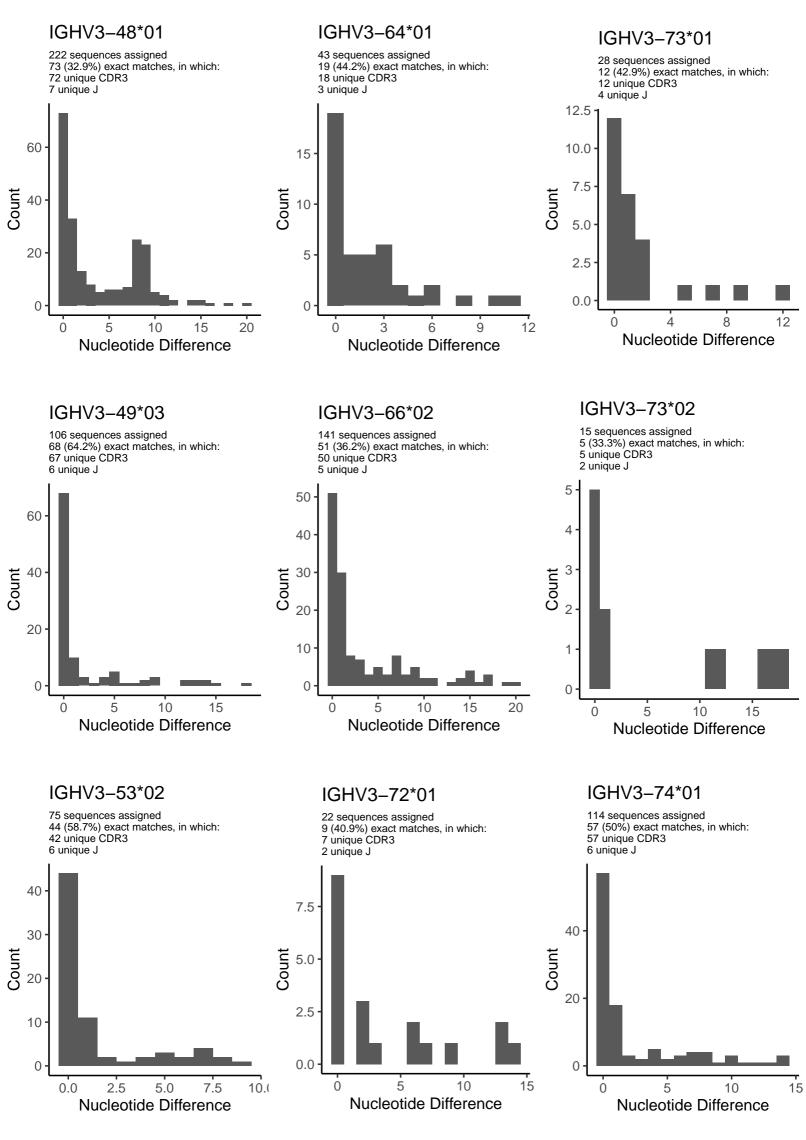
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

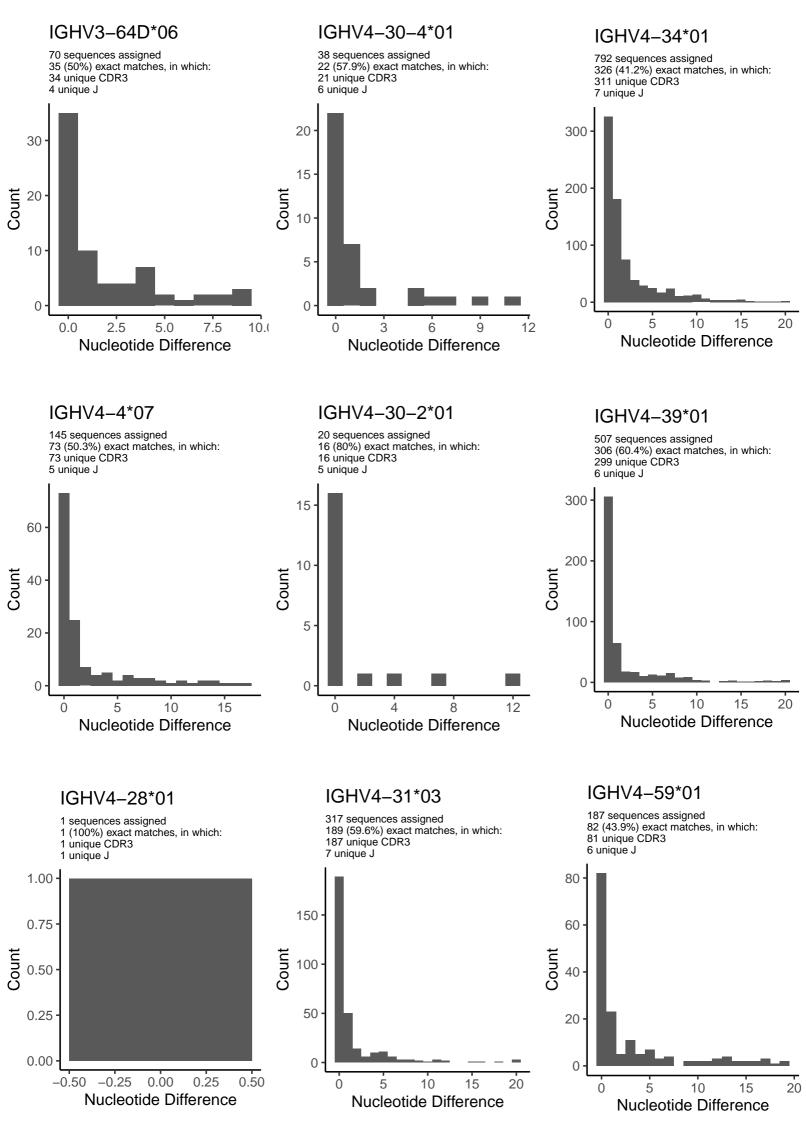




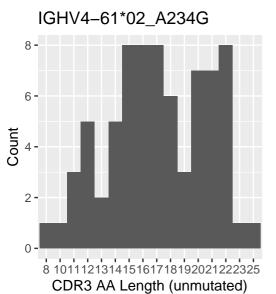


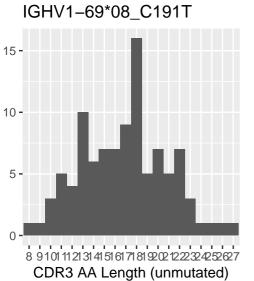




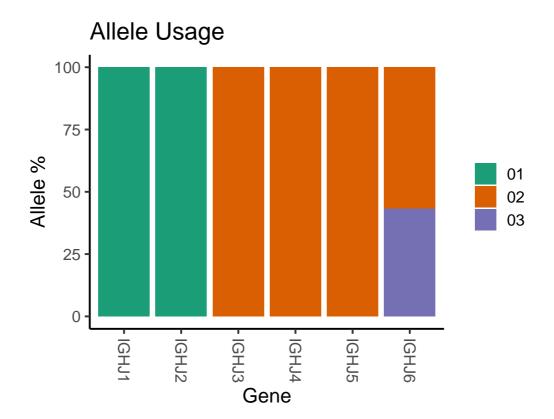


IGHV5-51*01 IGHV4-61*02 90 sequences assigned 1 (1.1%) exact matches, in which: 187 sequences assigned 105 (56.1%) exact matches, in which: 1 unique CDR3 104 unique CDR3 1 unique J 5 unique J 100 40 75 Count 50 20 25 0 0 5 10 15 20 0 10 15 **Nucleotide Difference** Nucleotide Difference IGHV4-61*02_A234G IGHV5-51*03 127 sequences assigned 74 (58.3%) exact matches, in which: 74 unique CDR3 243 sequences assigned 121 (49.8%) exact matches, in which: 118 unique CDR3 5 unique J 7 unique J 125 -100 60 75 Count Count 40 50 20 25 0 0 10 15 20 0 0 10 15 **Nucleotide Difference Nucleotide Difference** IGHV5-10-1*03 IGHV6-1*01 93 sequences assigned 213 sequences assigned 113 (53.1%) exact matches, in which: 52 (55.9%) exact matches, in which: 112 unique CDR3 49 unique CDR3 6 unique J 6 unique J 50 90 40 Count 09 30 20 30 10 0 0 10 15 20 15 Nucleotide Difference Nucleotide Difference

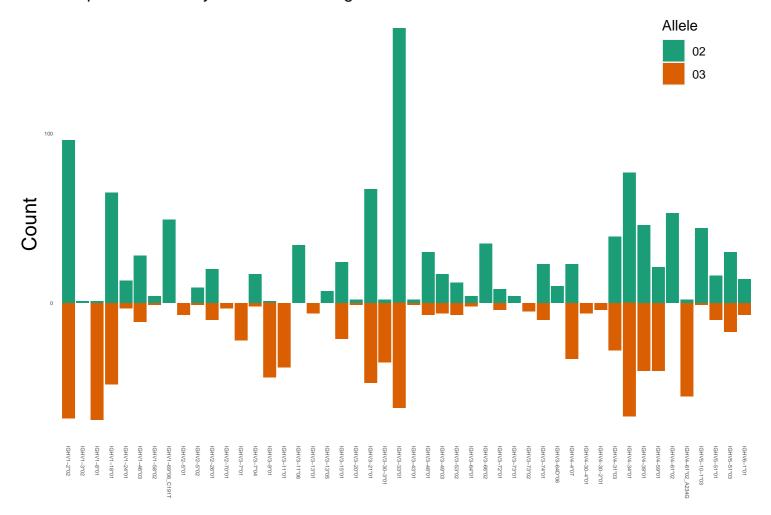




Count



Sequence Count by IGHJ6 allele usage



arning -	- no	inferred	sequences	found.
arning -	- no	inferred	sequences	found.
arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
/arning -	- no	inferred	sequences	found.
			sequences	
_			sequences	
			,	