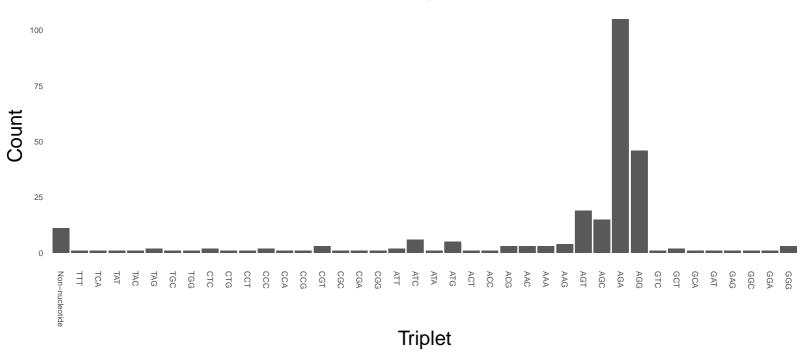
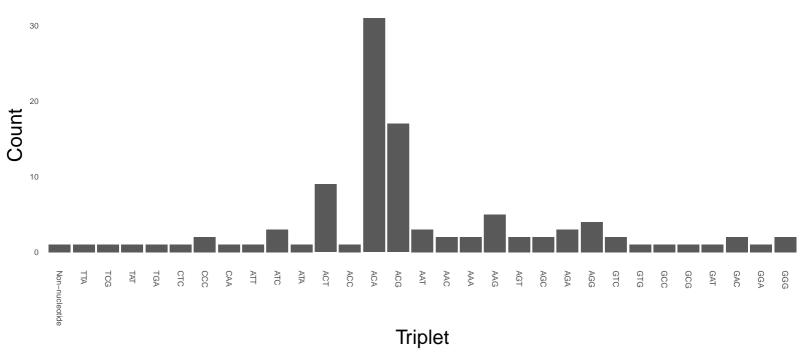


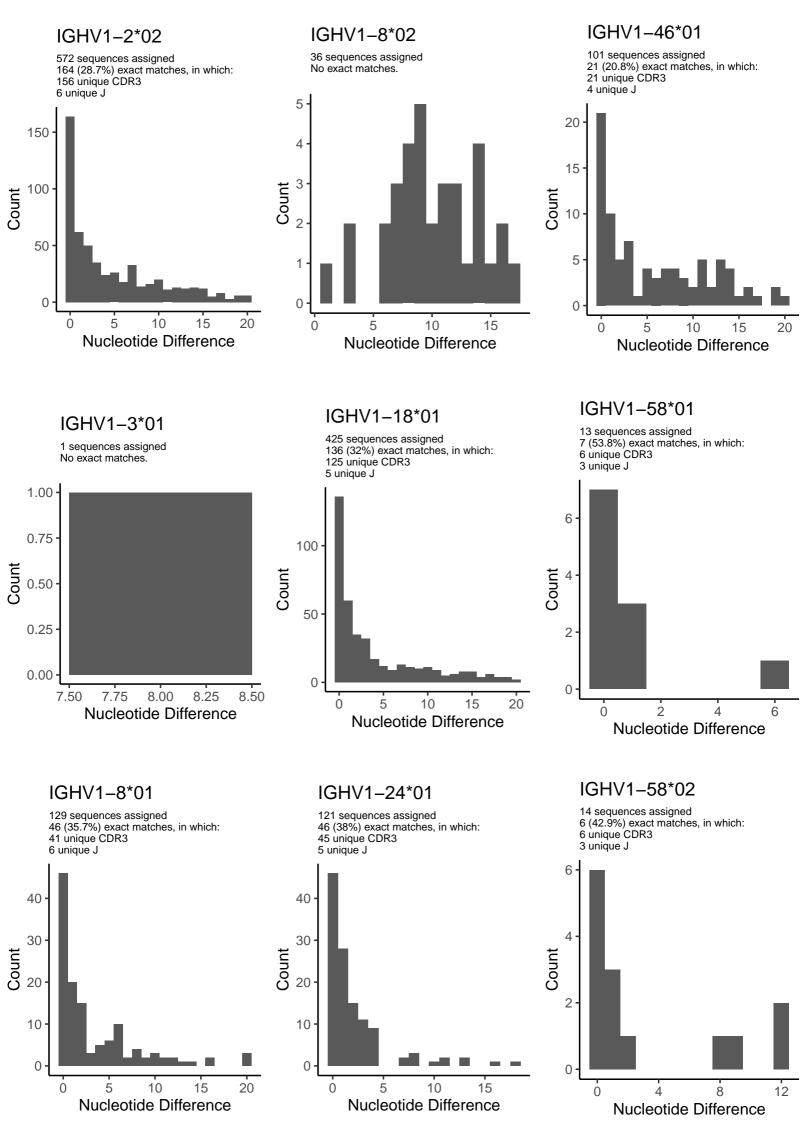
Position

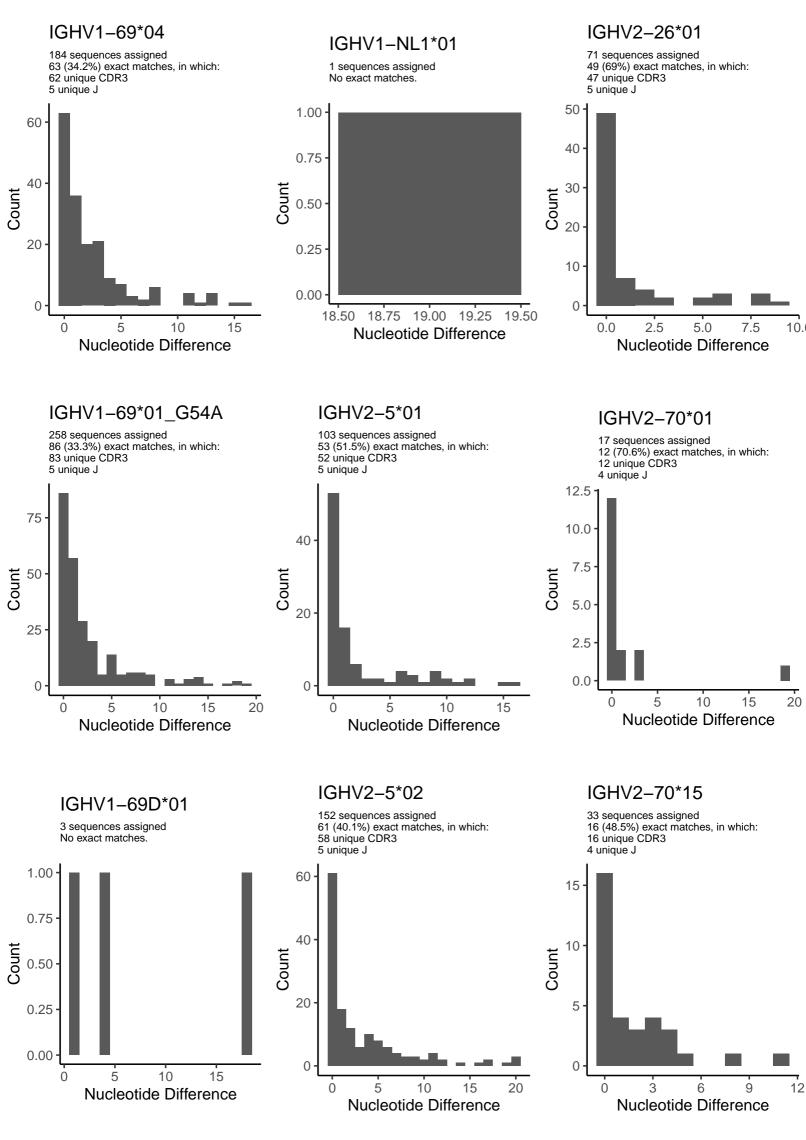
IGHV1-69\*01\_G54A- Final 3 nucleotides as a triplet

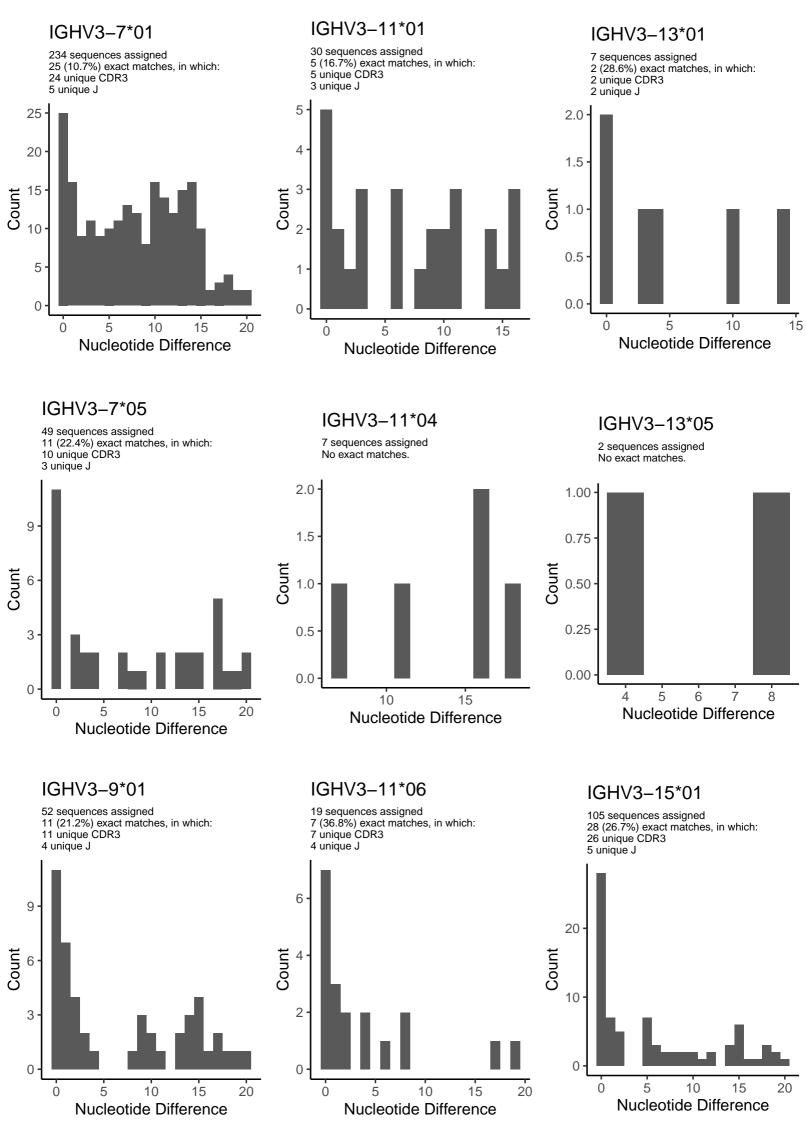


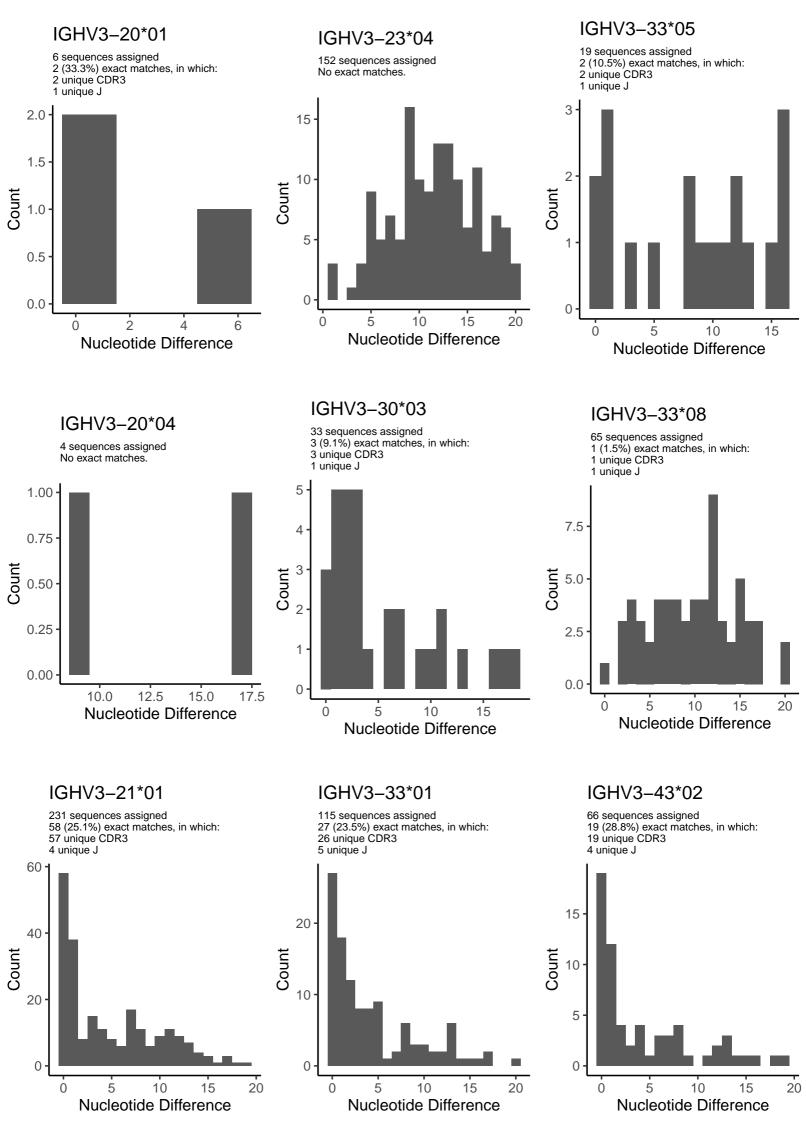
IGHV4-39\*01\_A220G\_A225G- Final 3 nucleotides as a triplet

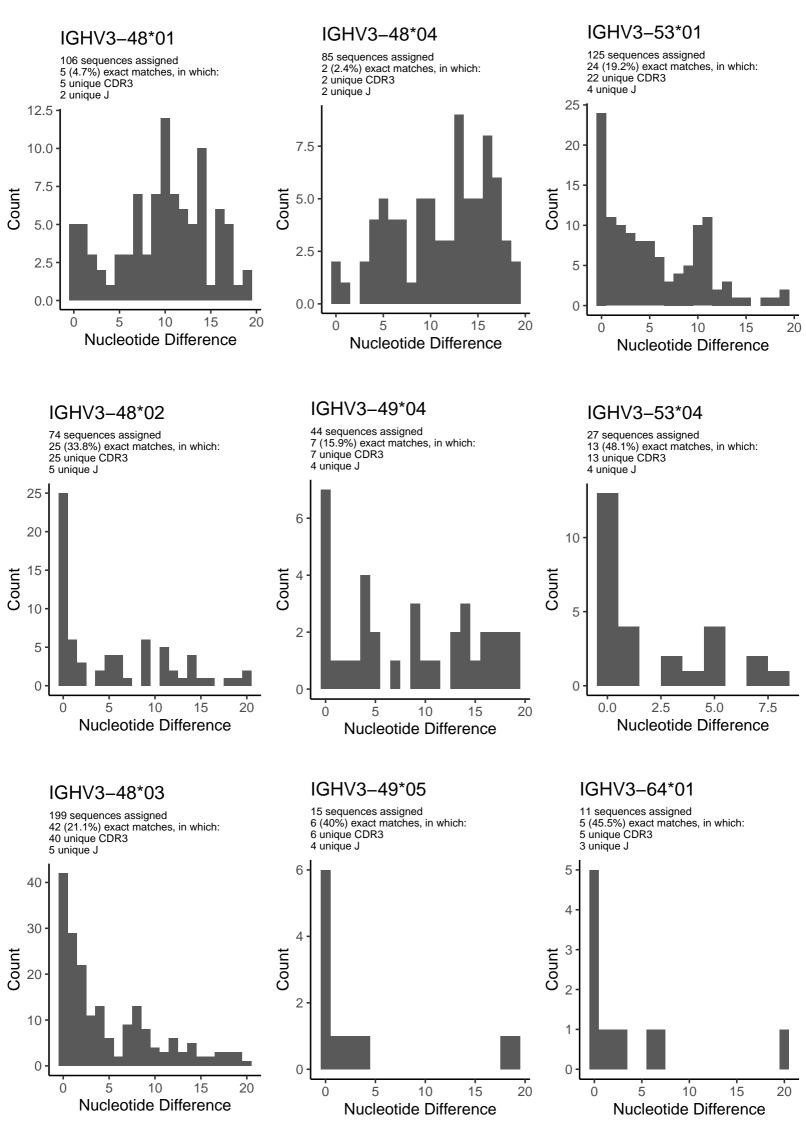


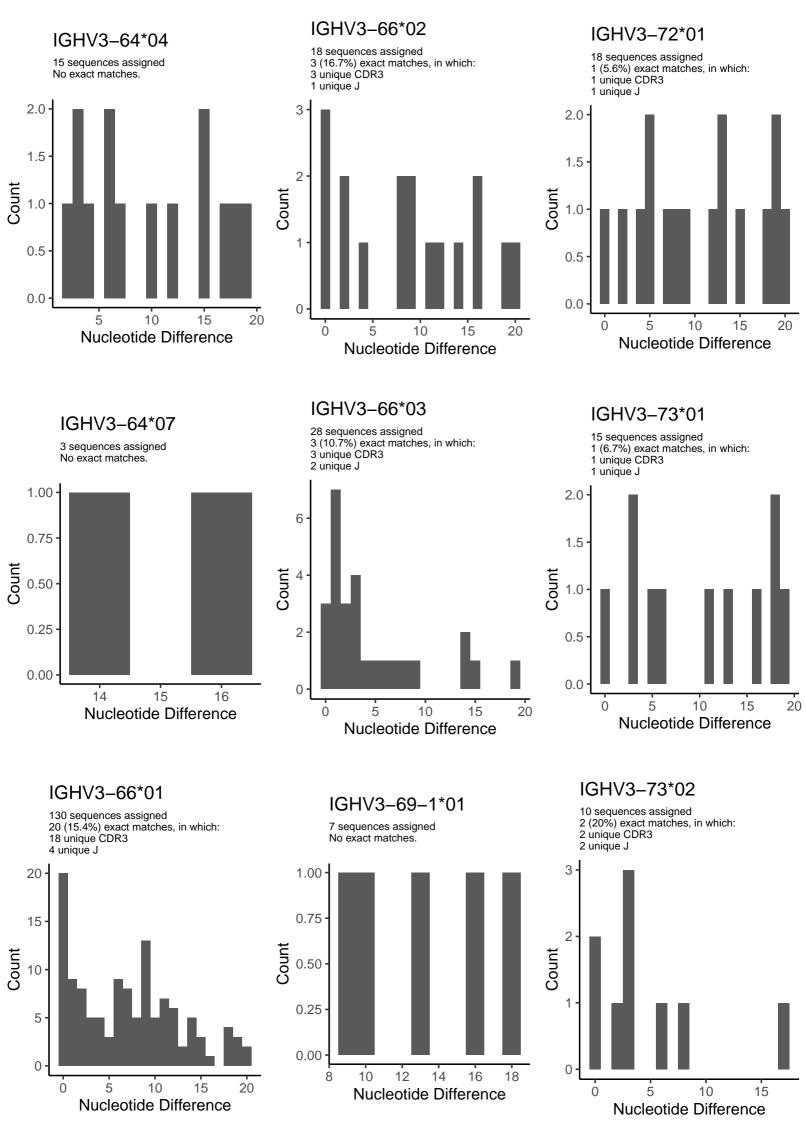


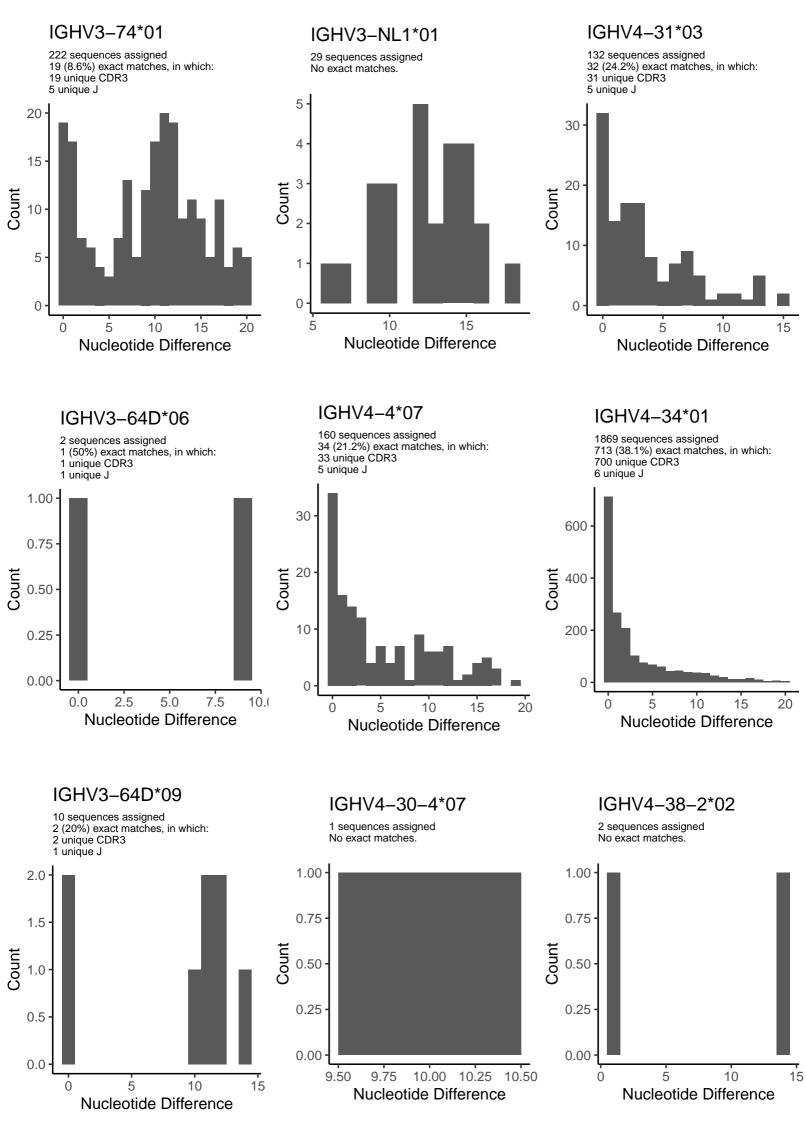


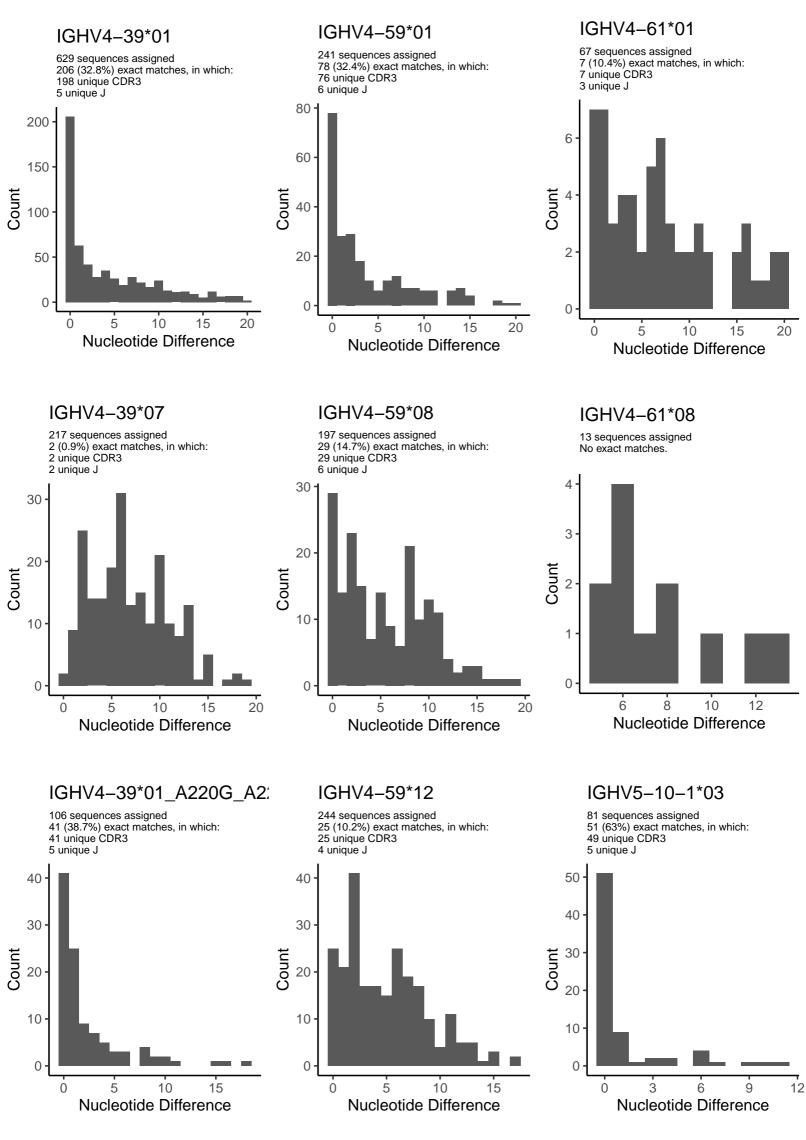






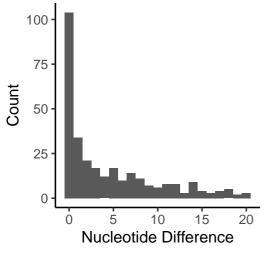






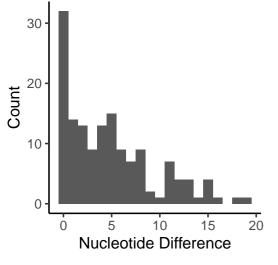
## IGHV5-51\*01

314 sequences assigned 104 (33.1%) exact matches, in which: 104 unique CDR3 6 unique J



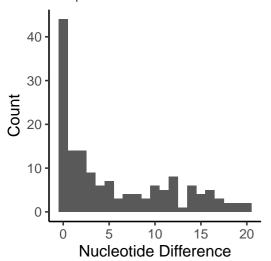
## IGHV6-1\*01

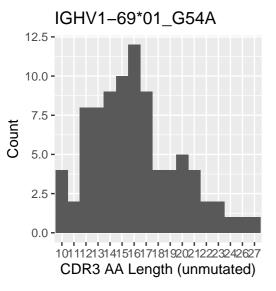
155 sequences assigned 32 (20.6%) exact matches, in which: 32 unique CDR3 4 unique J



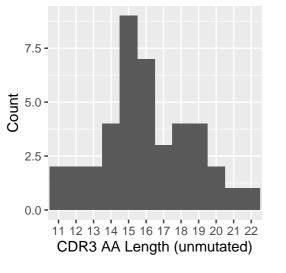
## IGHV7-4-1\*02

157 sequences assigned 44 (28%) exact matches, in which: 44 unique CDR3 4 unique J











/arning – no inferred sequences found.	
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