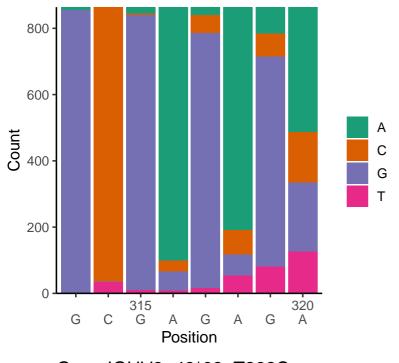
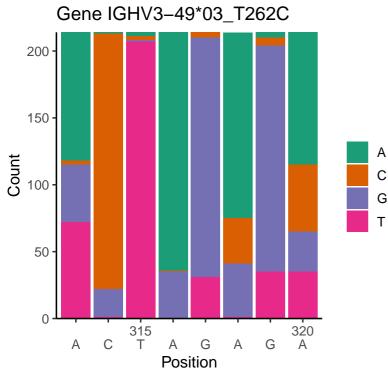
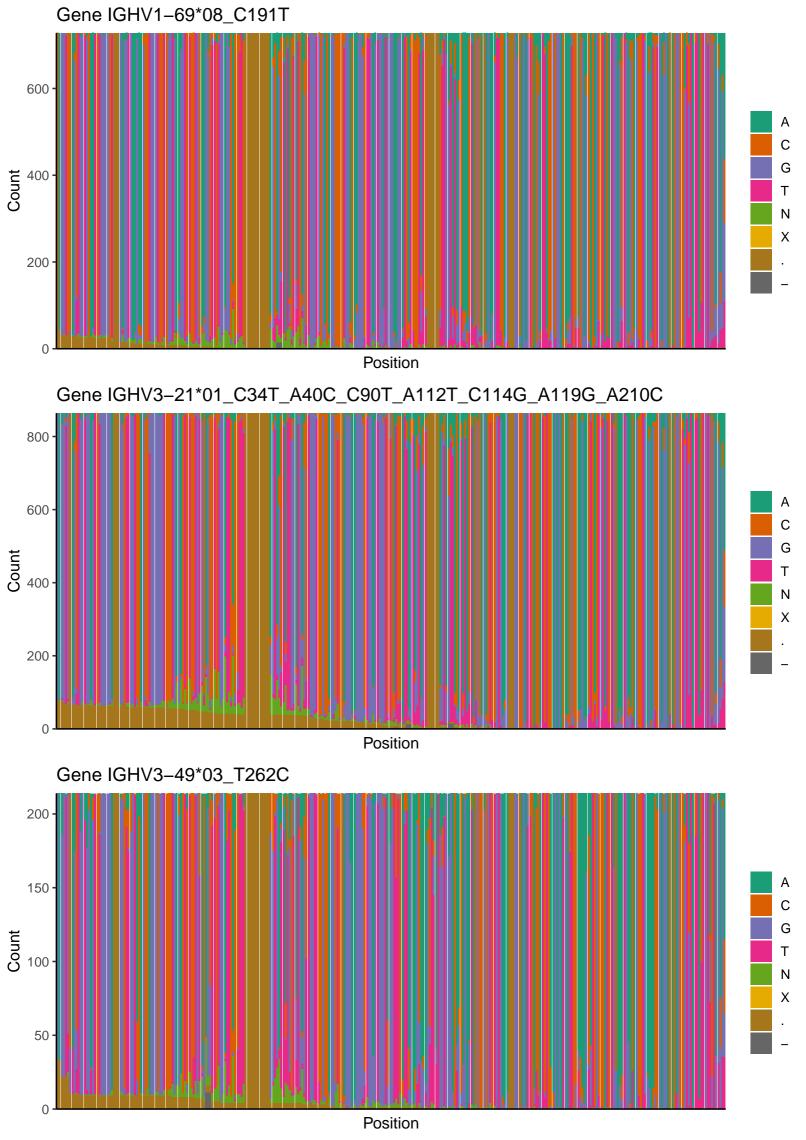
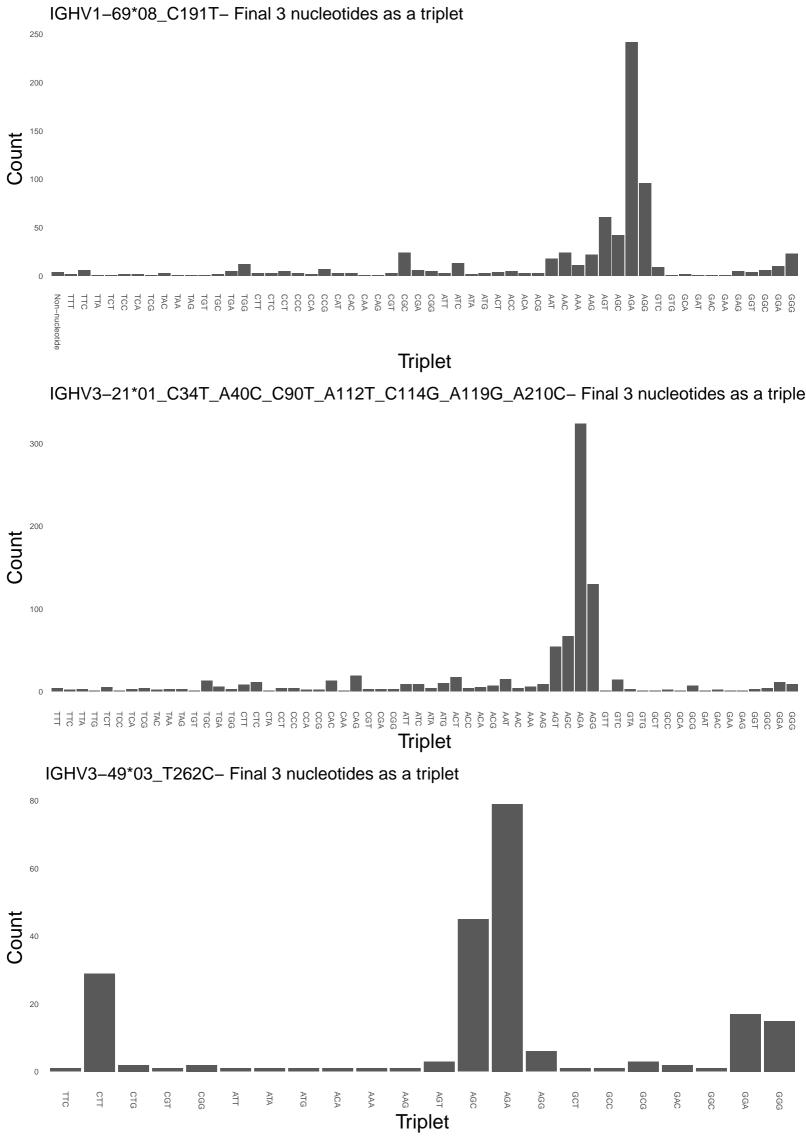


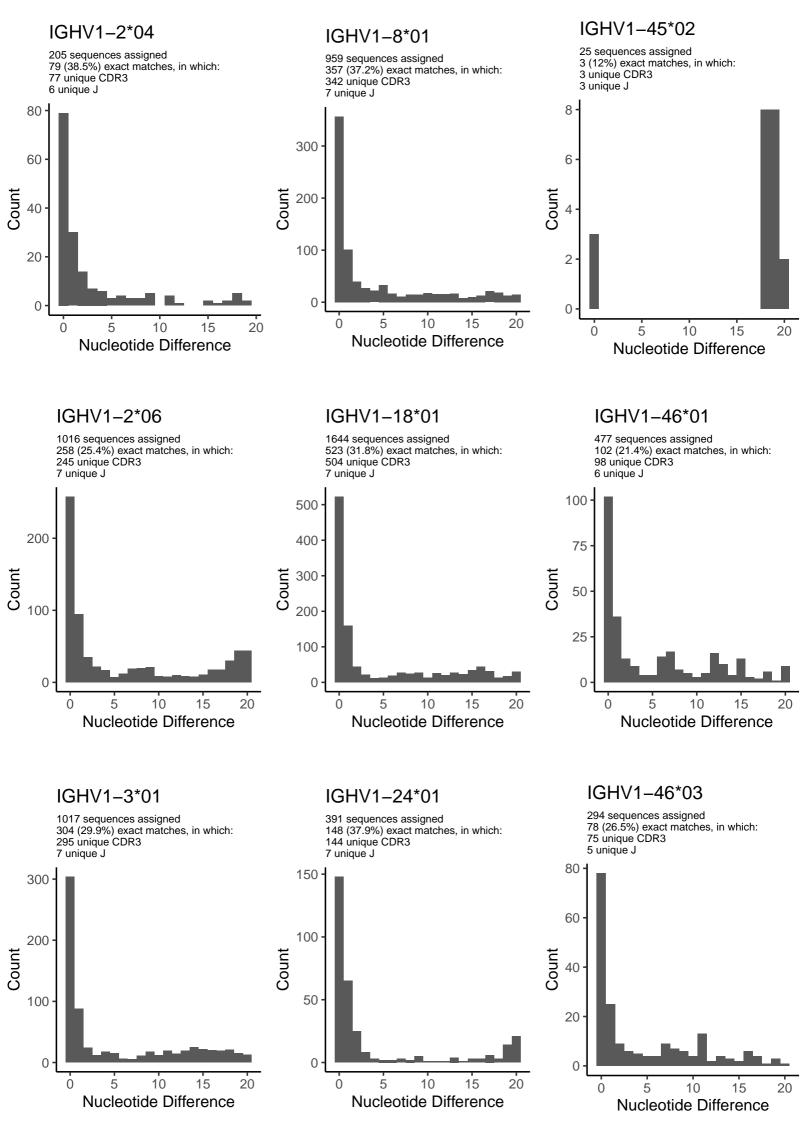
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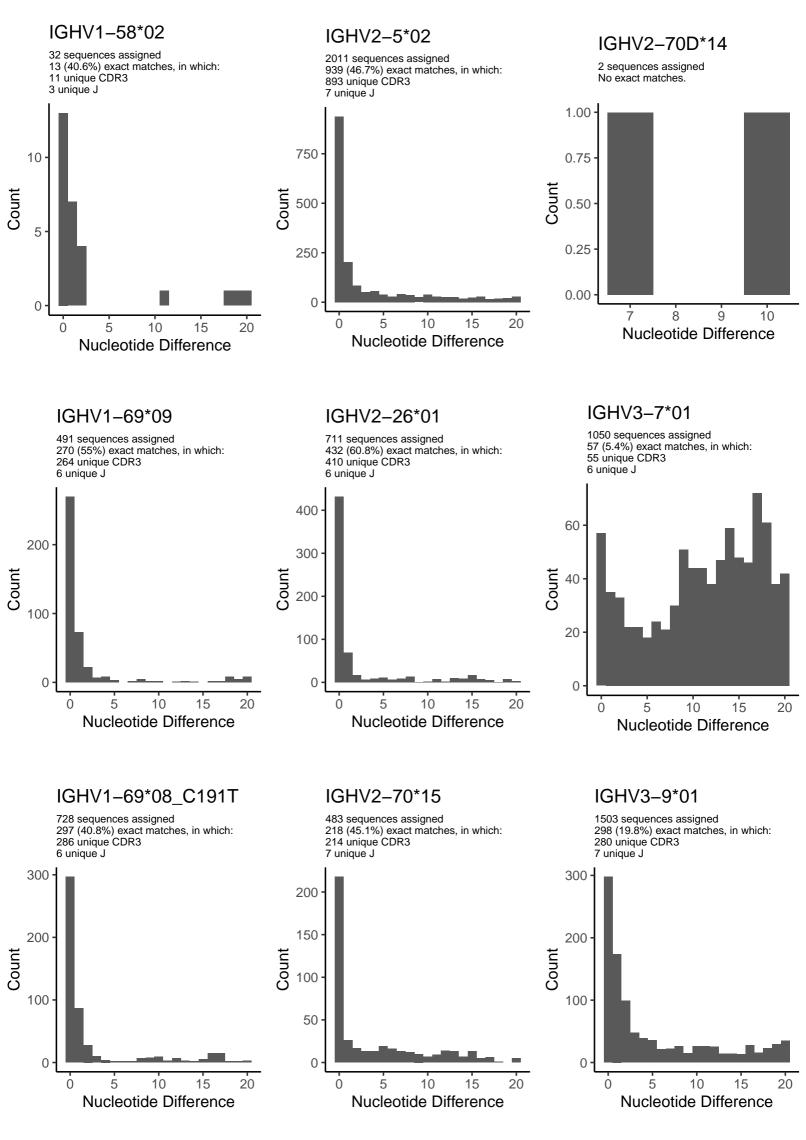


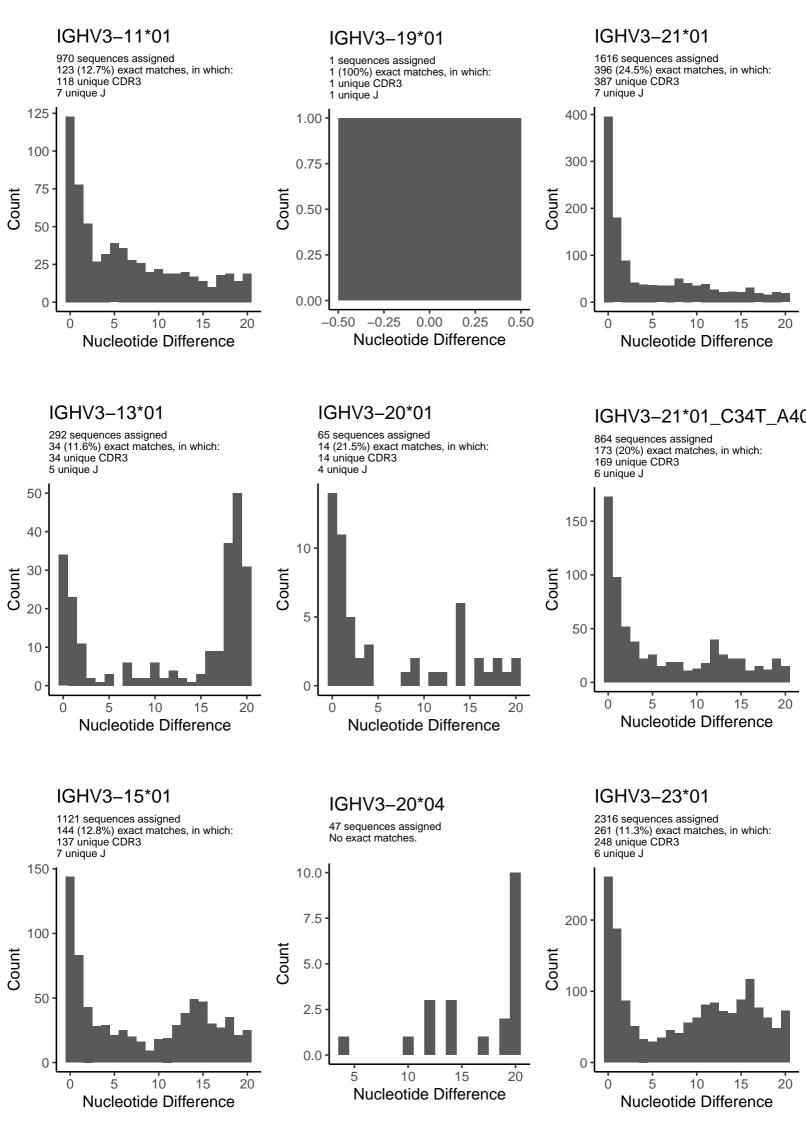


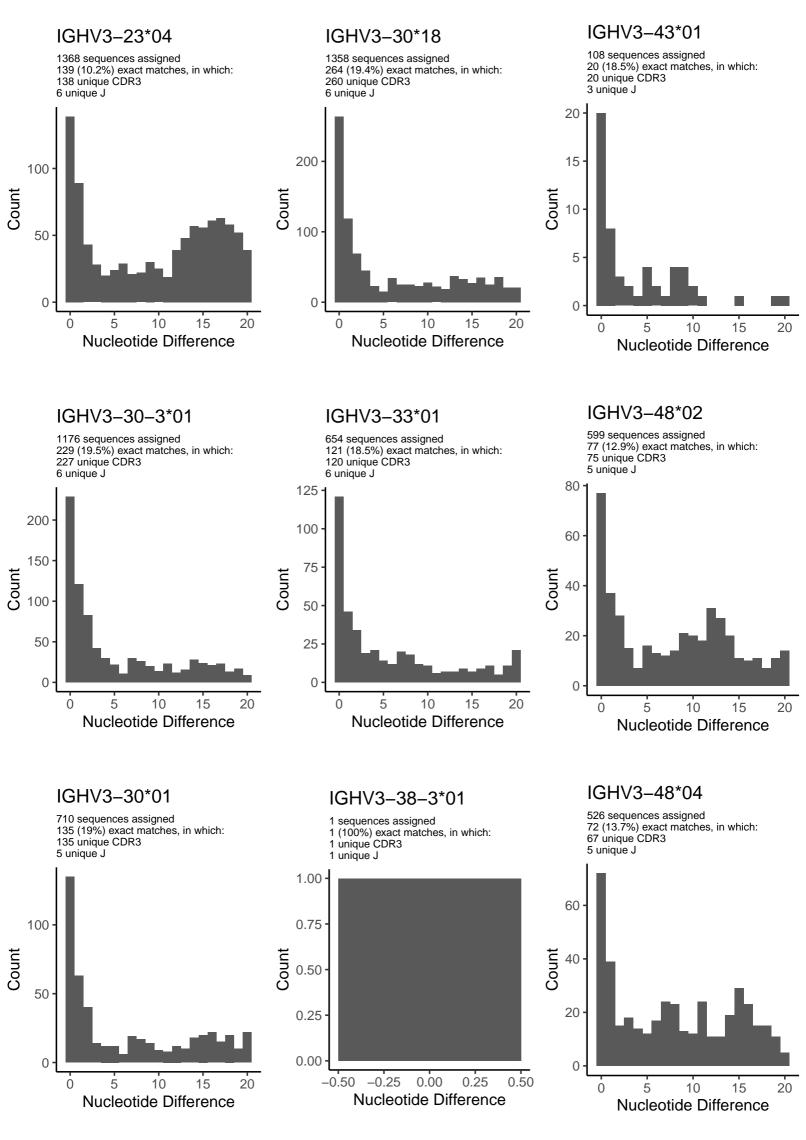


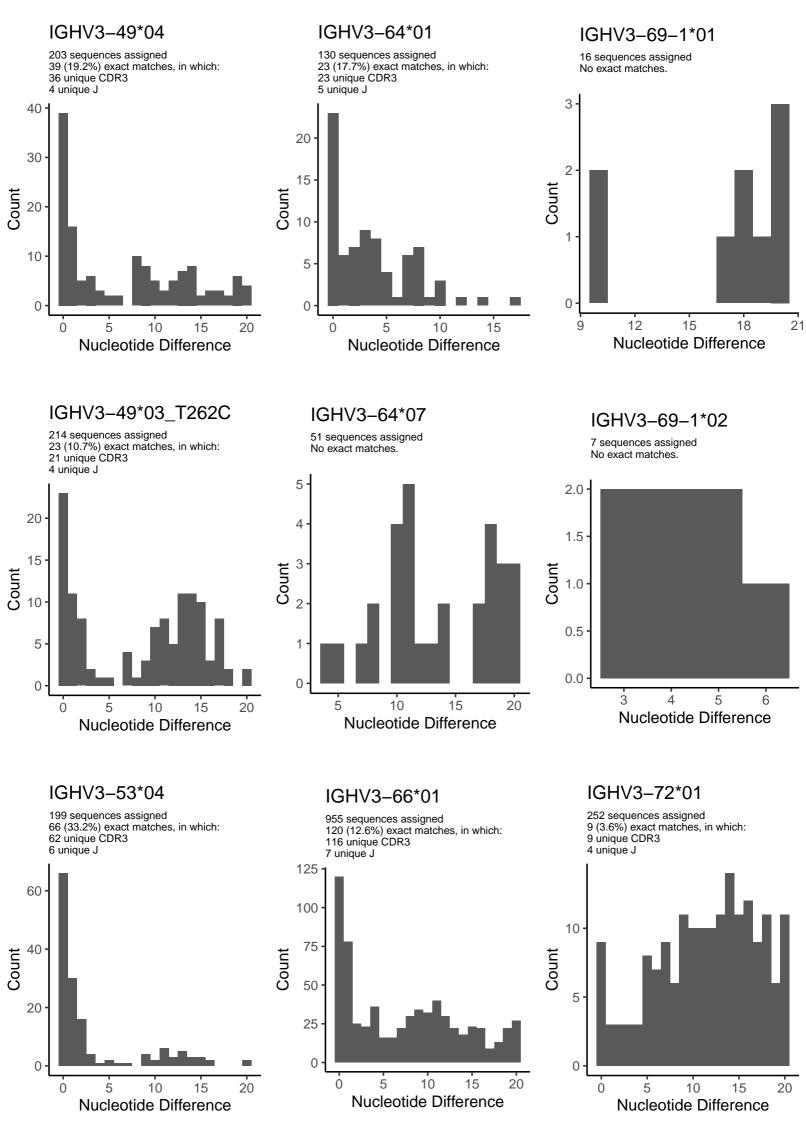


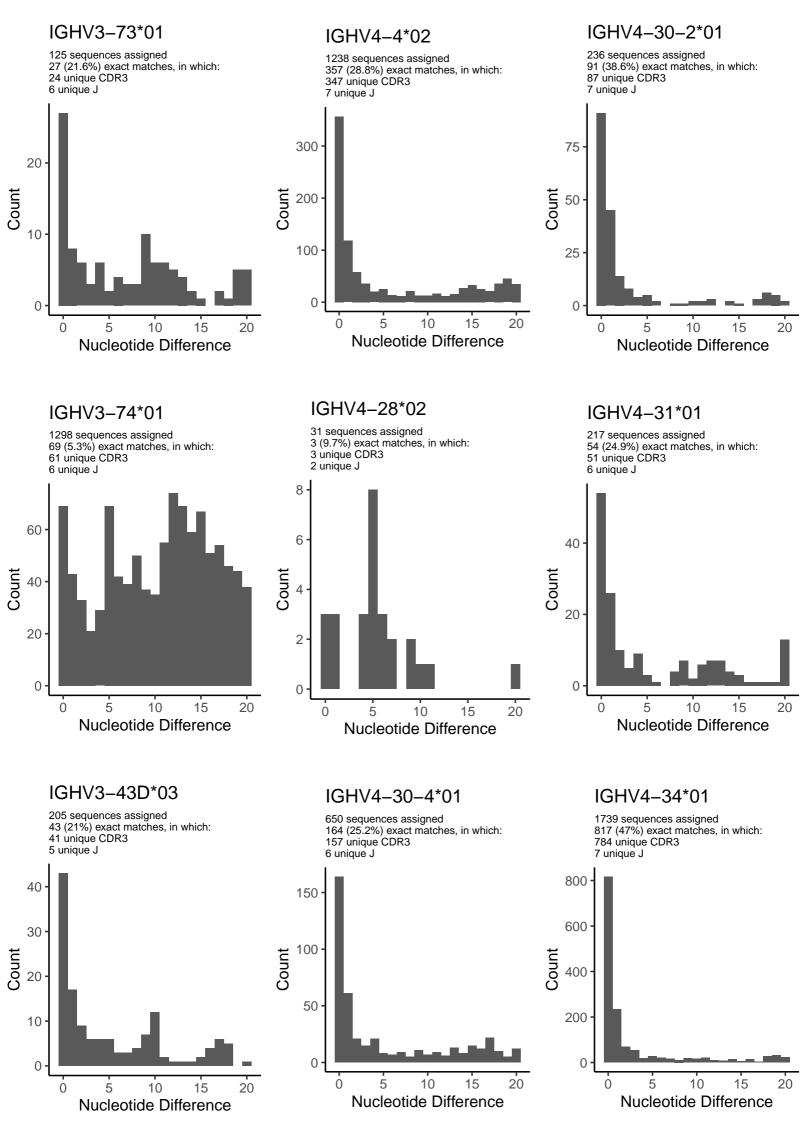


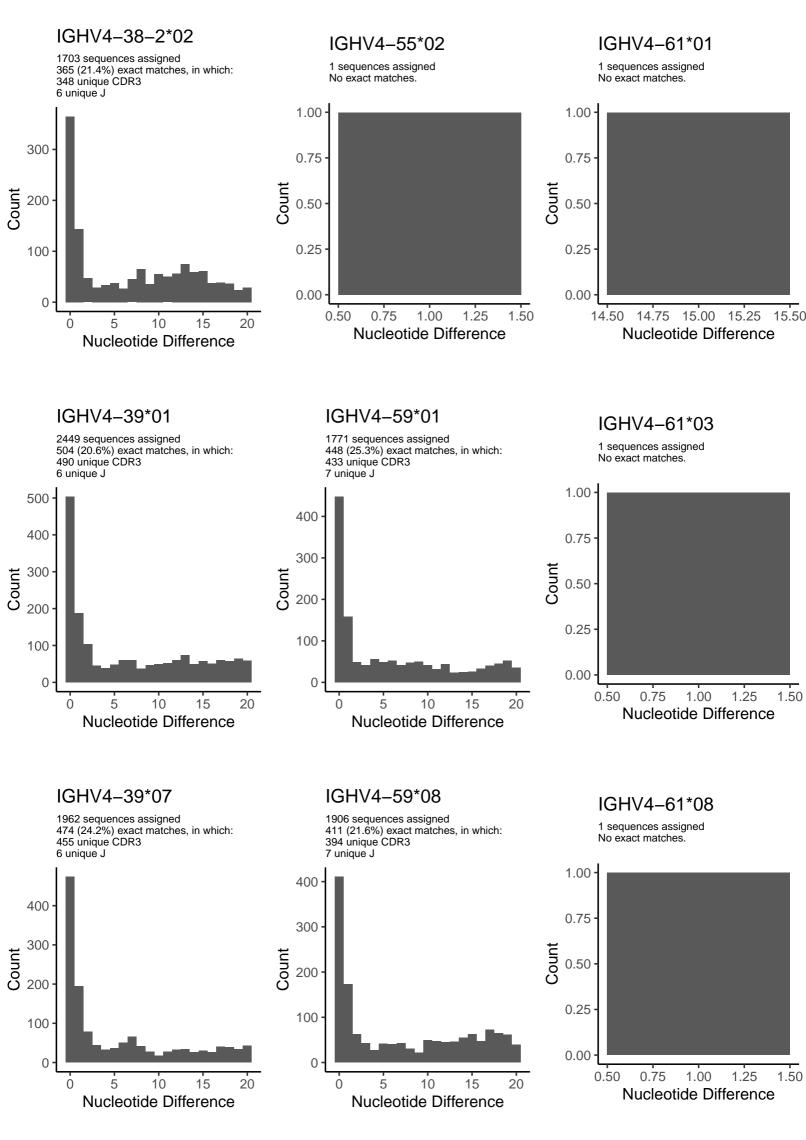




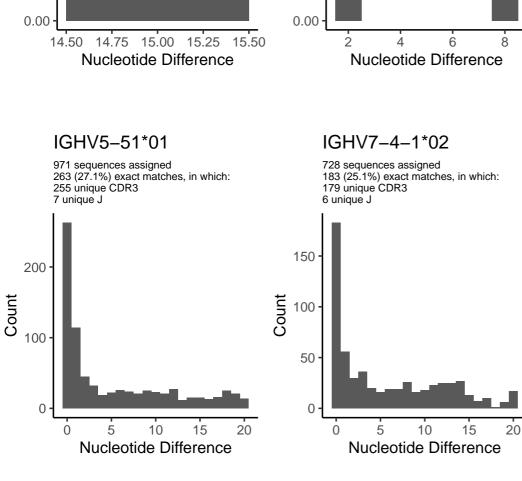


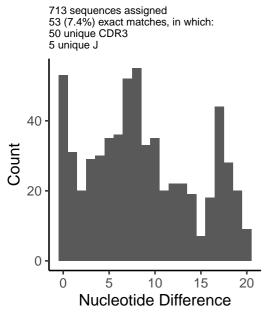






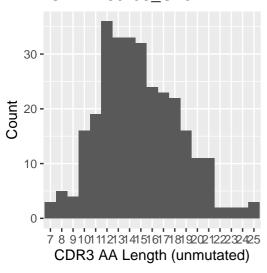
## IGHV4/OR15-8\*01 IGHV3/OR16-9\*01 1 sequences assigned 2 sequences assigned No exact matches. No exact matches. 1.00 -1.00 -0.75 0.75 Count Count Count 0.50 0.25 0.25 0.00 0.00 14.50 14.75 15.00 15.25 15.50 2 6 **Nucleotide Difference Nucleotide Difference**



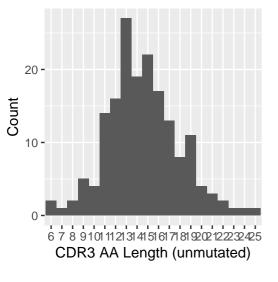


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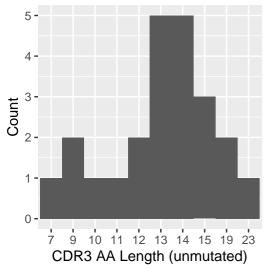
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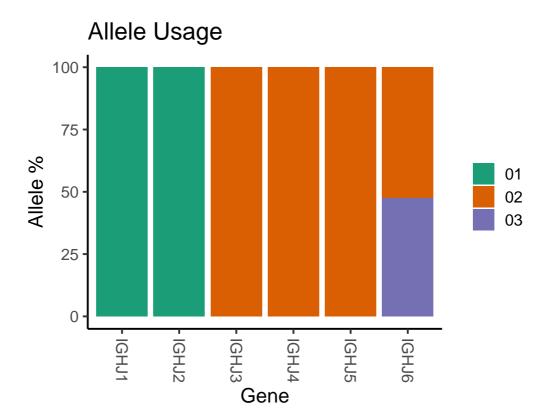


## IGHV3-21\*01\_C34T\_A40C\_C90T\_A112T\_C114G\_A119G\_A210C



## IGHV3-49\*03\_T262C





## Sequence Count by IGHJ6 allele usage

