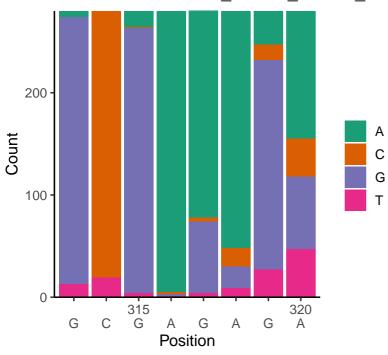
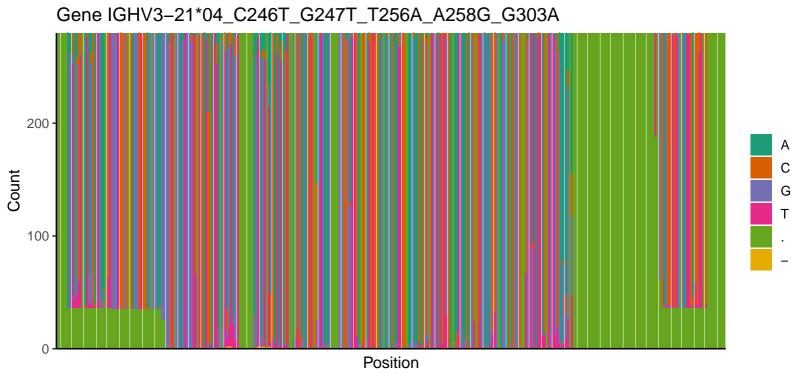
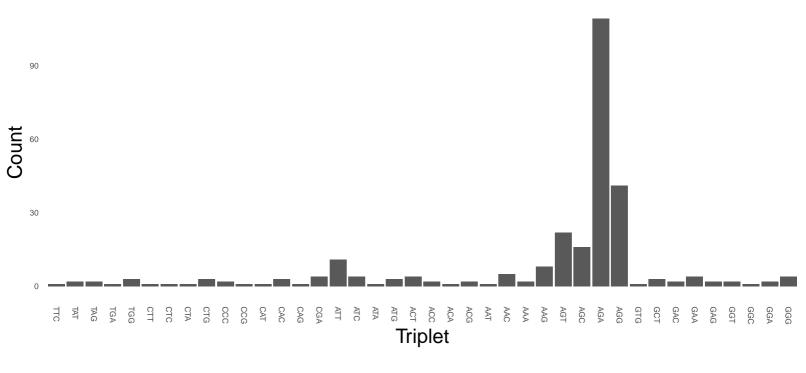
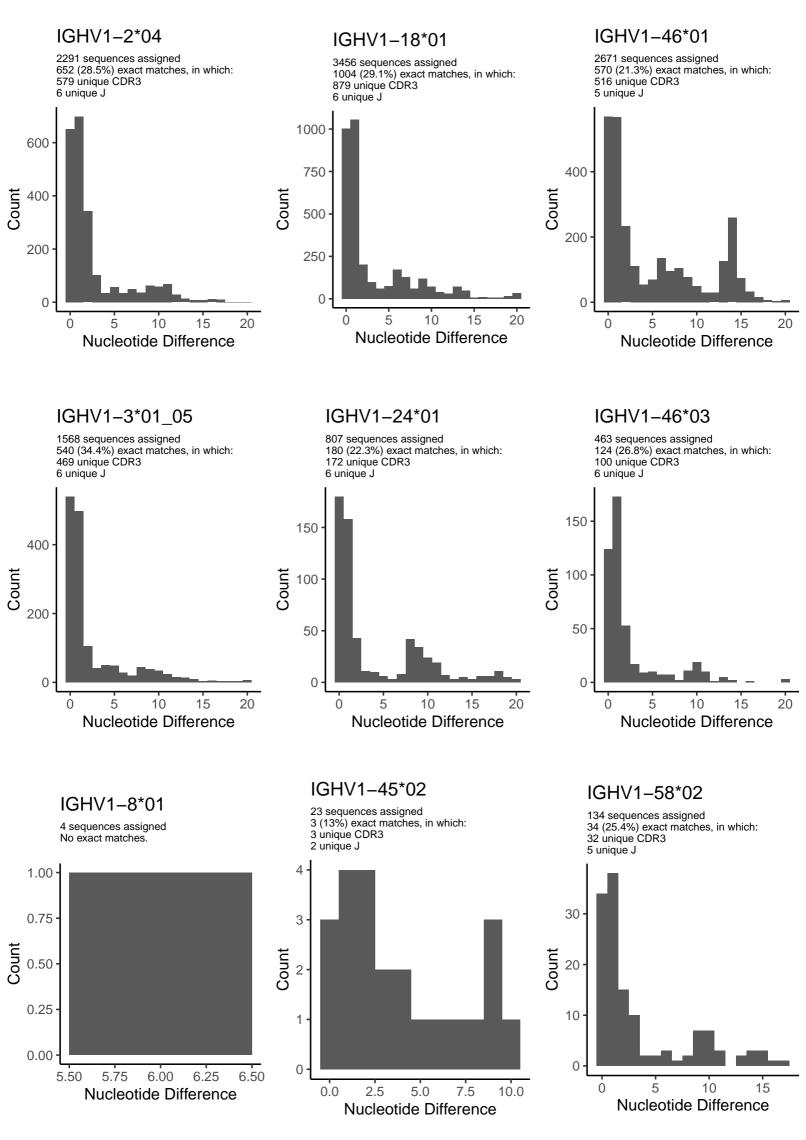
Gene IGHV3-21\*04\_C246T\_G247T\_T256A\_A258G\_G303A

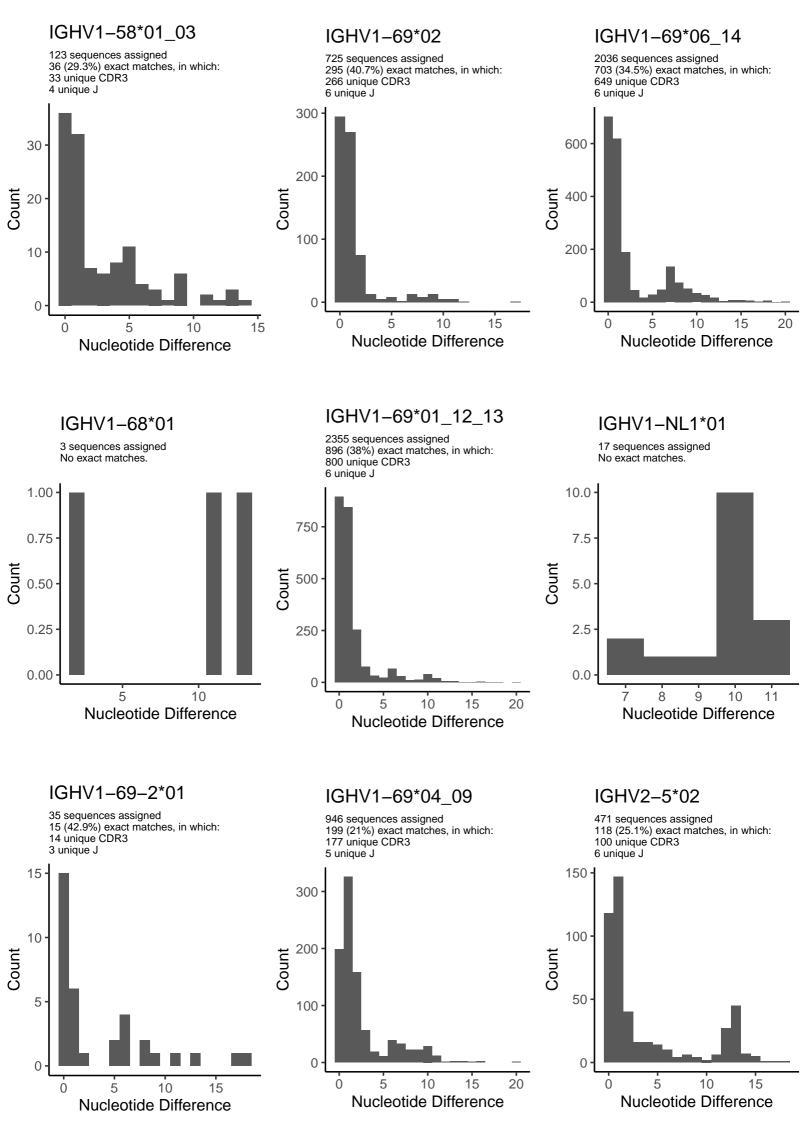


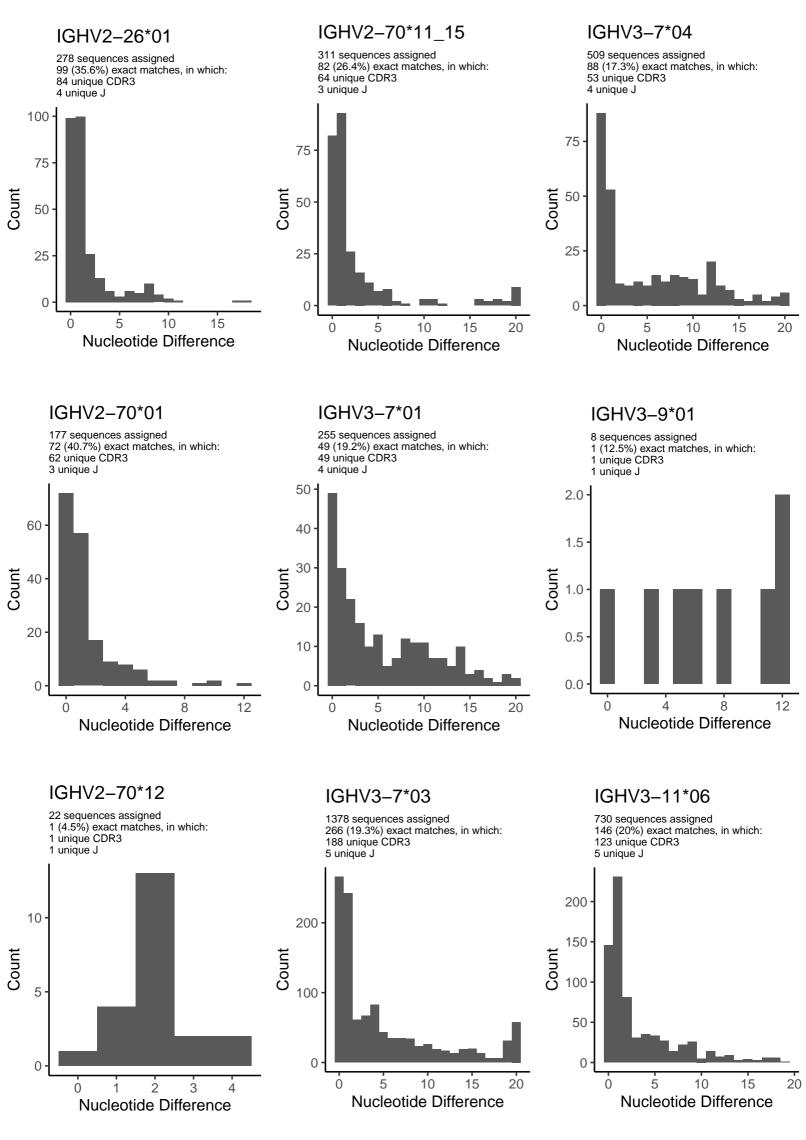


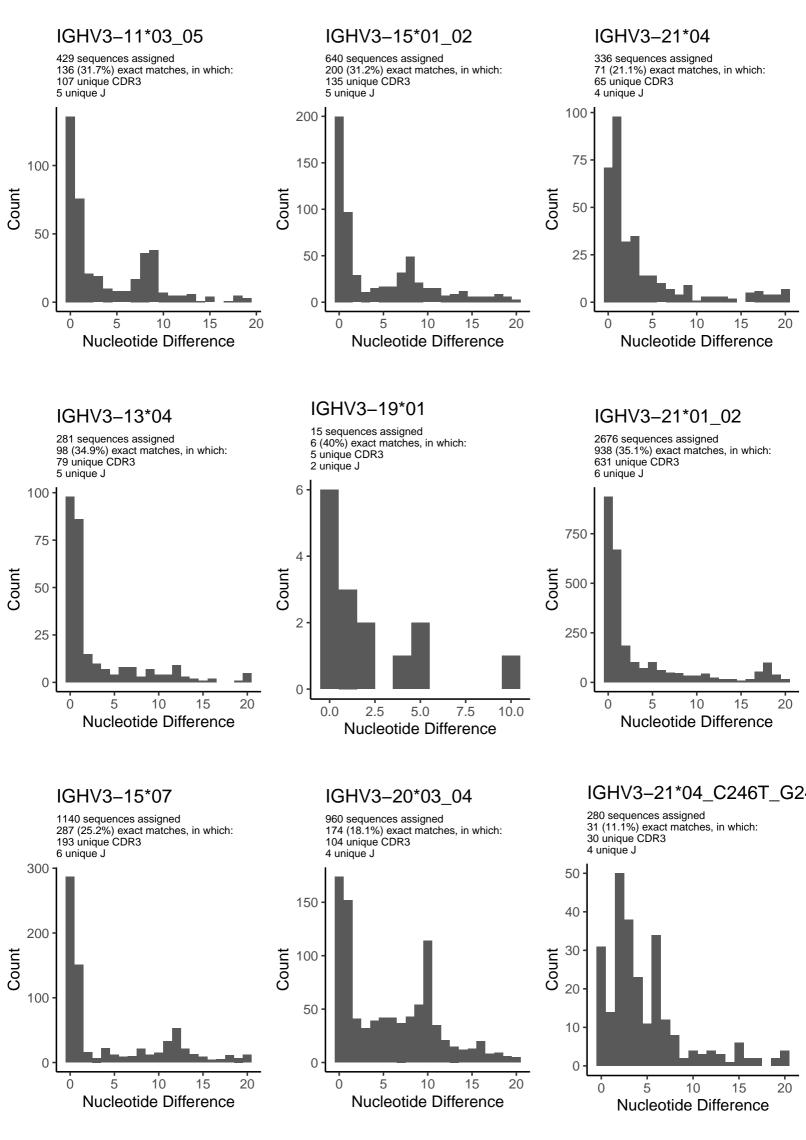
IGHV3-21\*04\_C246T\_G247T\_T256A\_A258G\_G303A- Final 3 nucleotides as a triplet

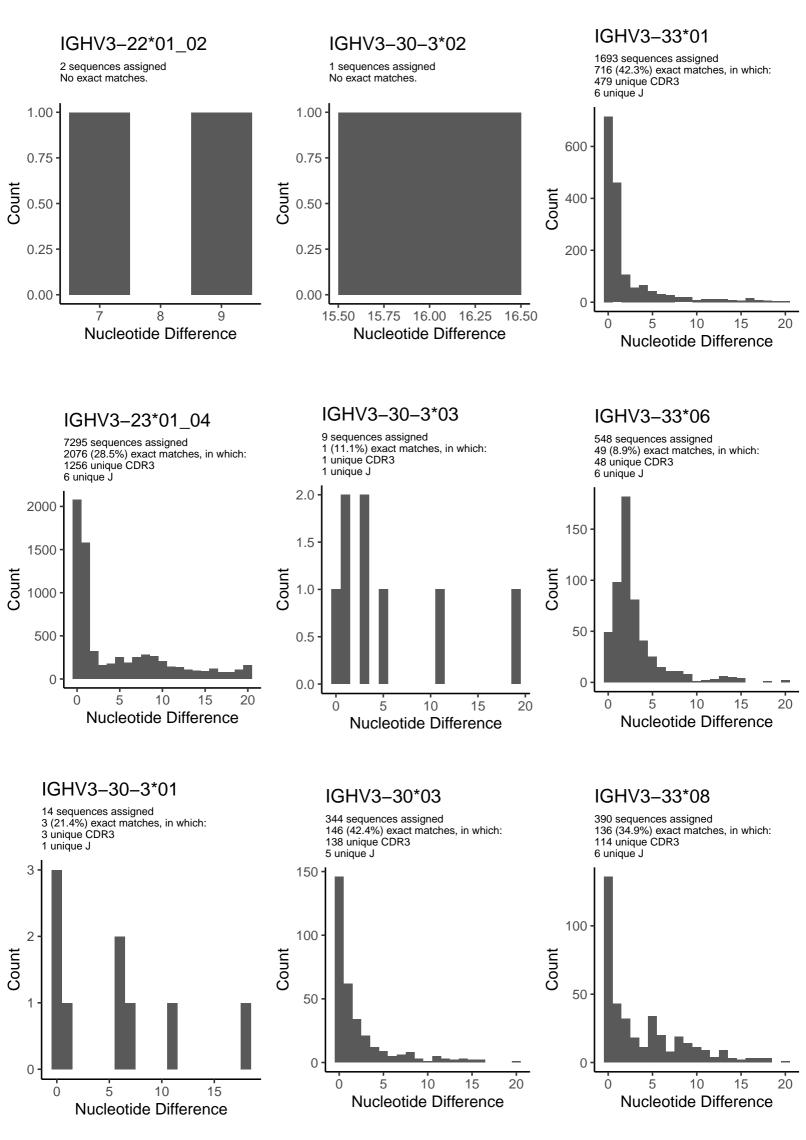


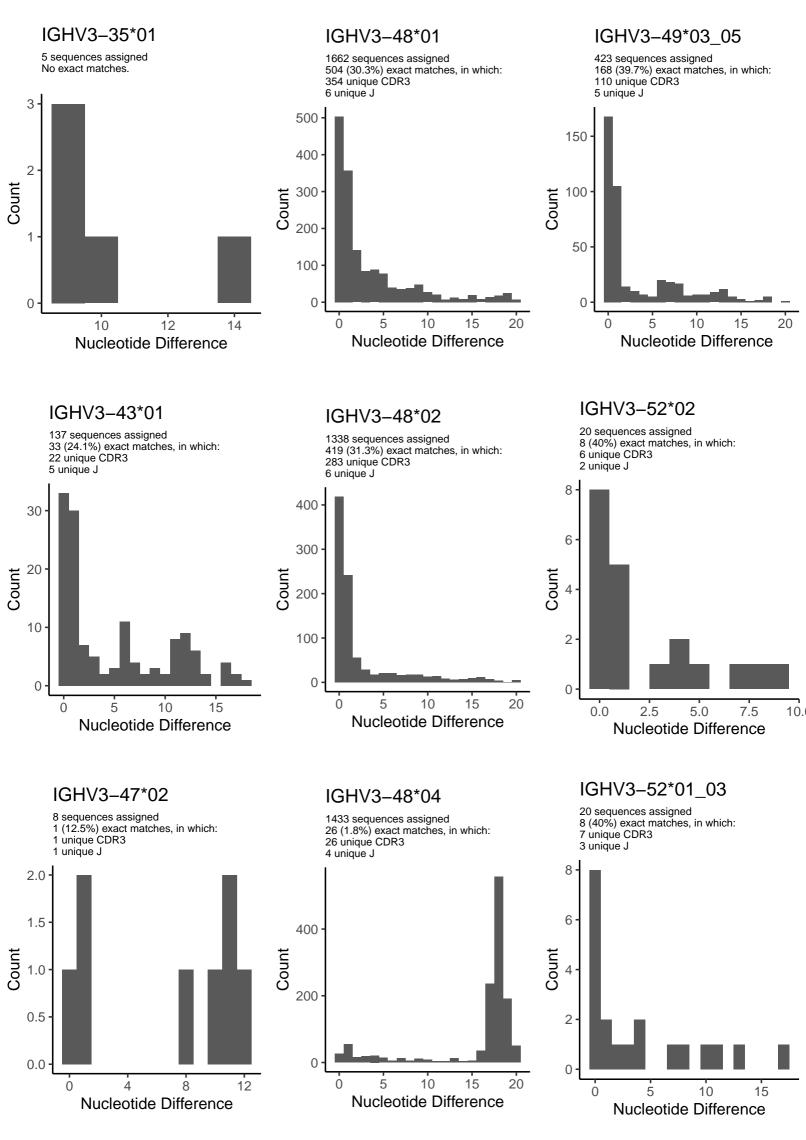


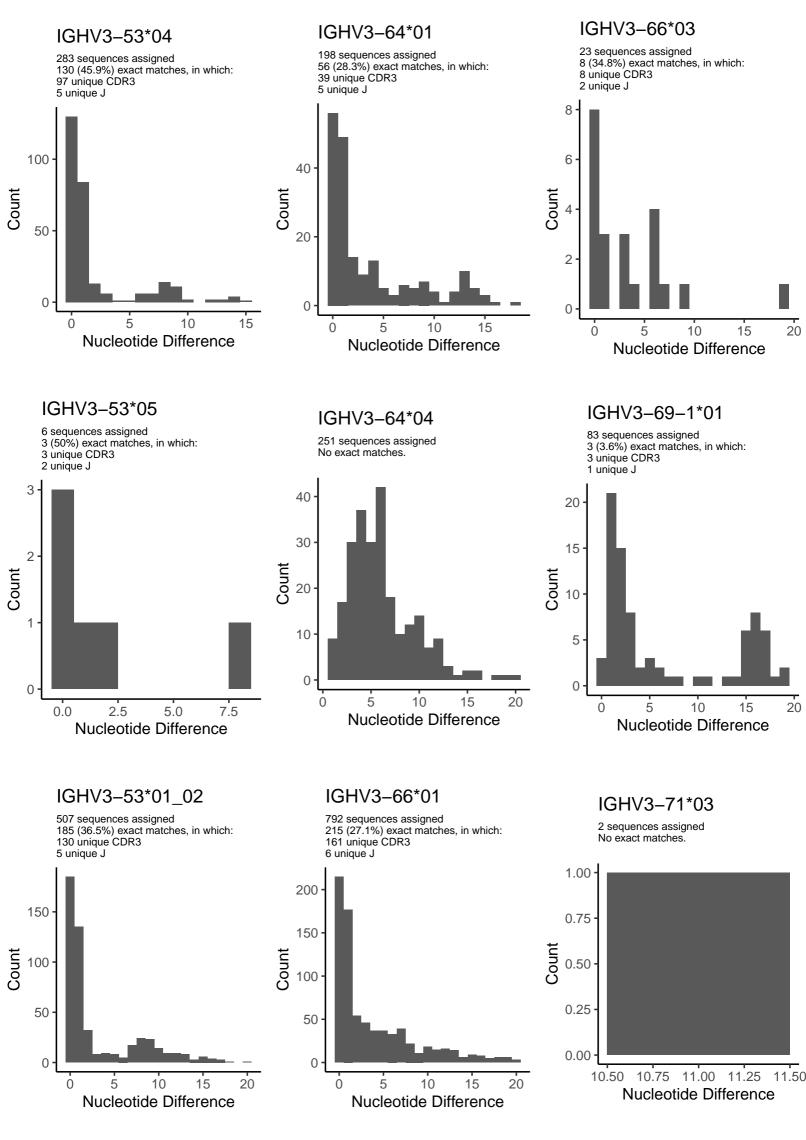


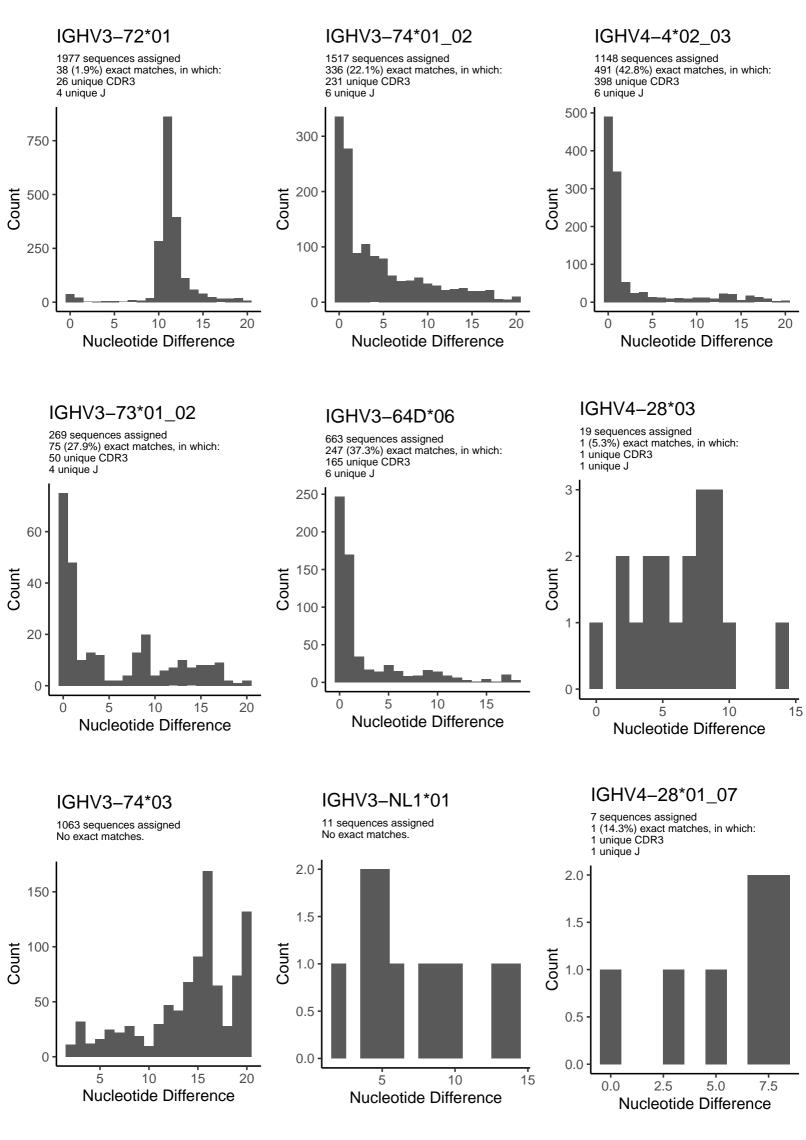


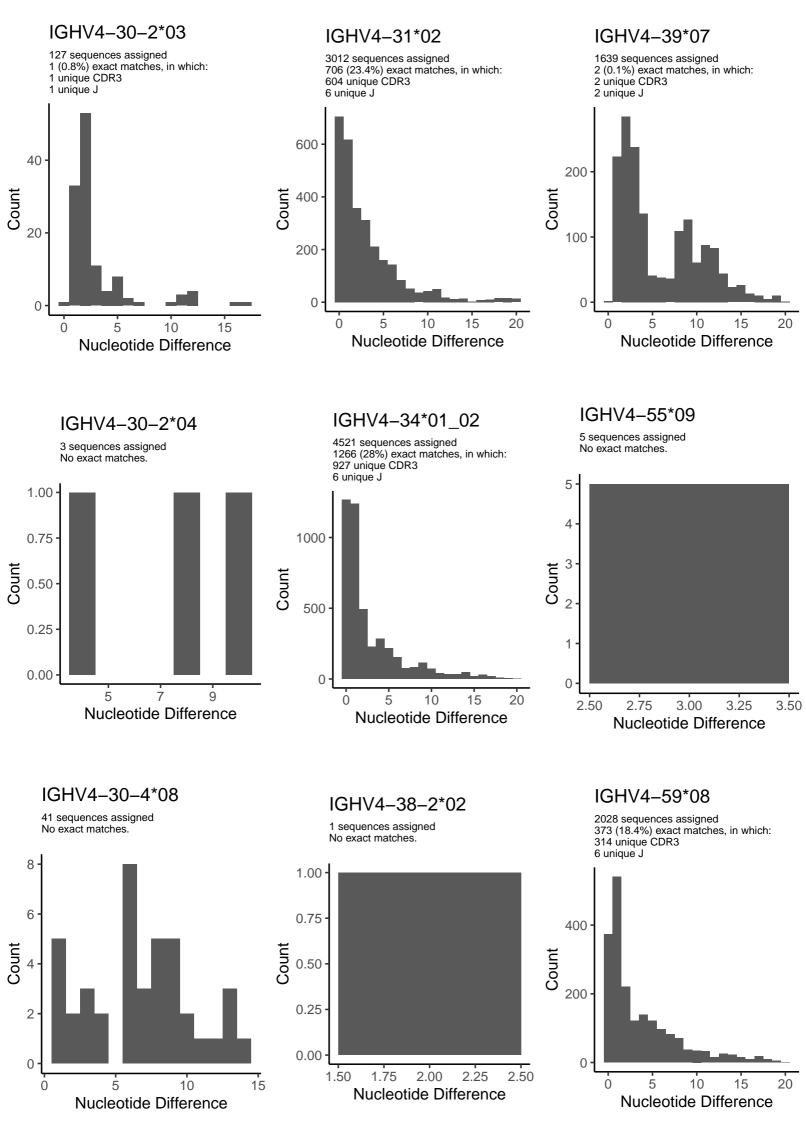


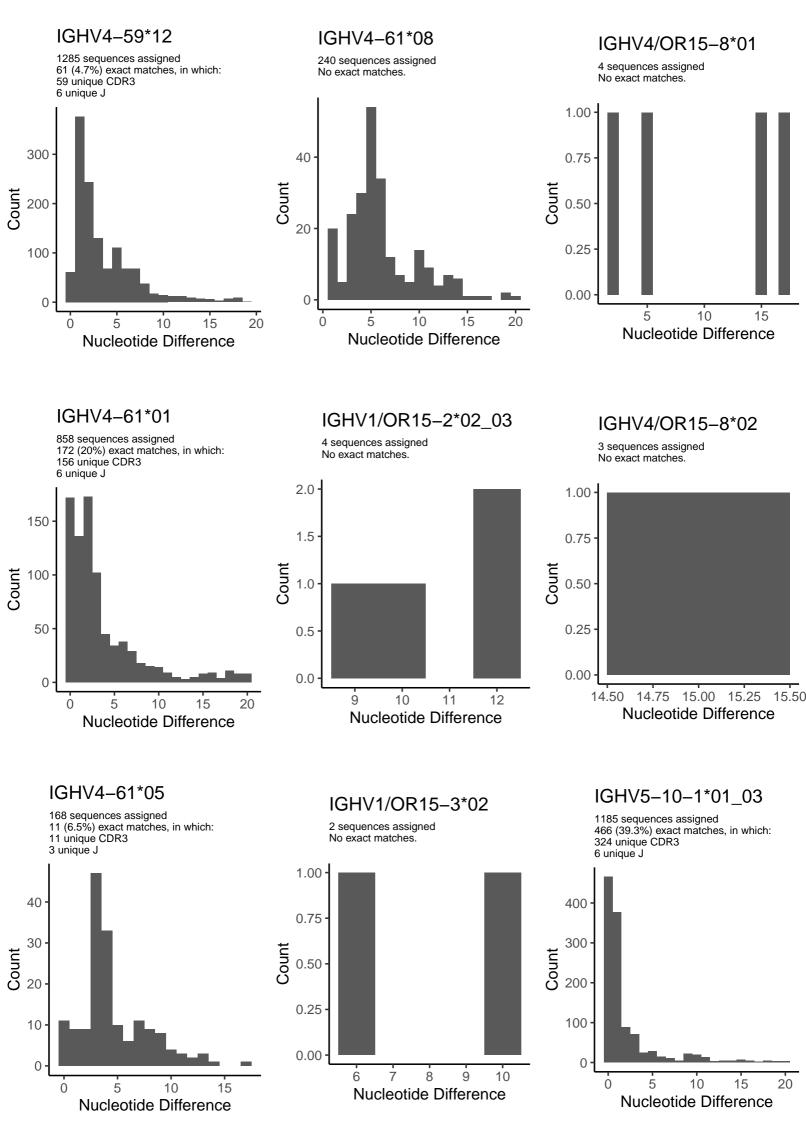






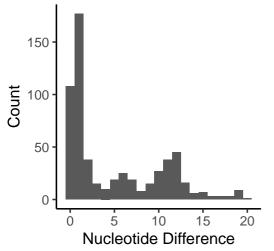




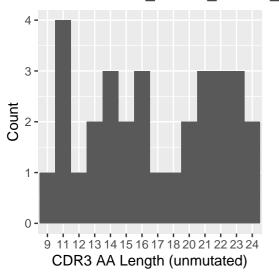


## IGHV5-51\*04 IGHV7-4-1\*01 51 sequences assigned 20 (39.2%) exact matches, in which: 6 sequences assigned 2 (33.3%) exact matches, in which: 2 unique CDR3 19 unique CDR3 3 unique J 2 unique J 2.0 20 15 1.5 Count Count 1.0 10 5 0.5 0.0 0 10 15 20 0 0 8 12 Nucleotide Difference Nucleotide Difference IGHV5-51\*07 IGHV7-4-1\*02 17 sequences assigned 1 (5.9%) exact matches, in which: 1 unique CDR3 4 sequences assigned 1 (25%) exact matches, in which: 1 unique CDR3 1 unique J 1 unique J 4 1.00 3 0.75 Count Count Count 2 0.25 1 0.00 0 20 5 10 15 0 0 5 10 15 20 **Nucleotide Difference Nucleotide Difference** IGHV6-1\*01\_02

601 sequences assigned 108 (18%) exact matches, in which: 101 unique CDR3 5 unique J



## IGHV3-21\*04\_C246T\_G247T\_T256A\_A258G\_G303A





talling to more sequences out a	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	
Varning – no inferred sequences found.	