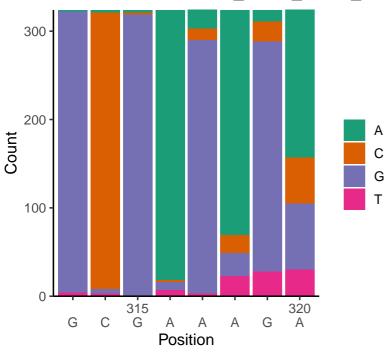
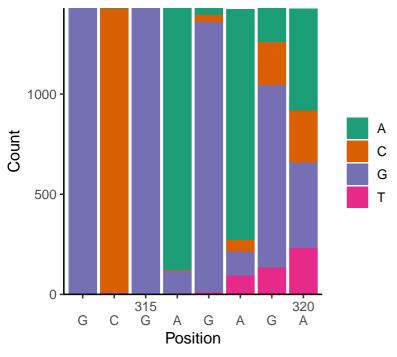
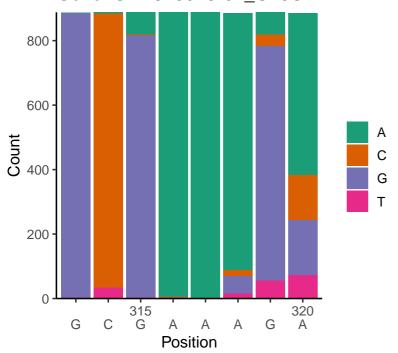
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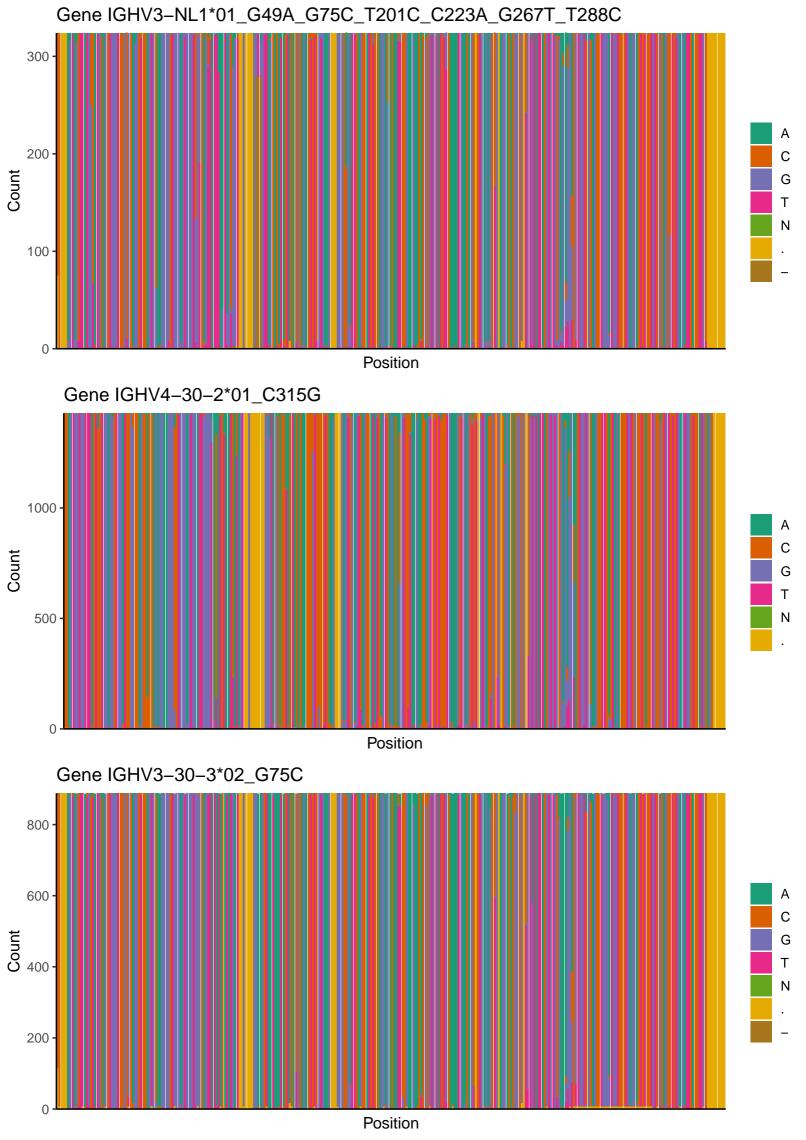


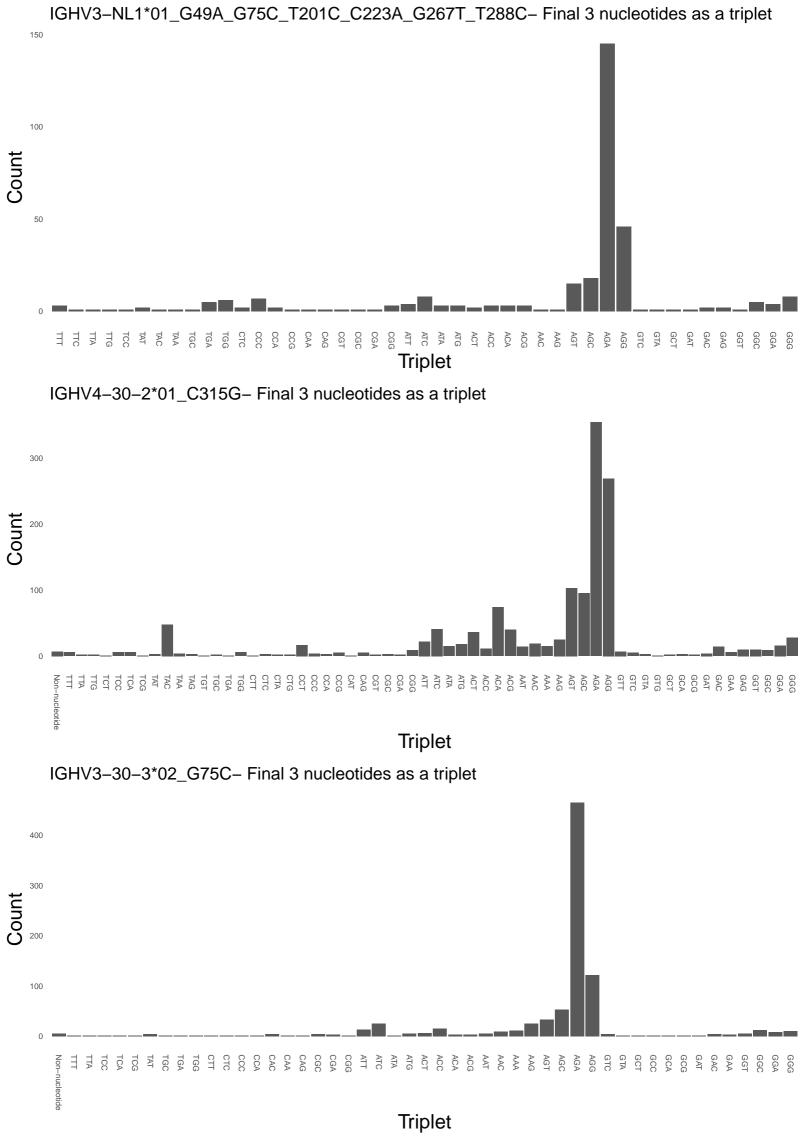
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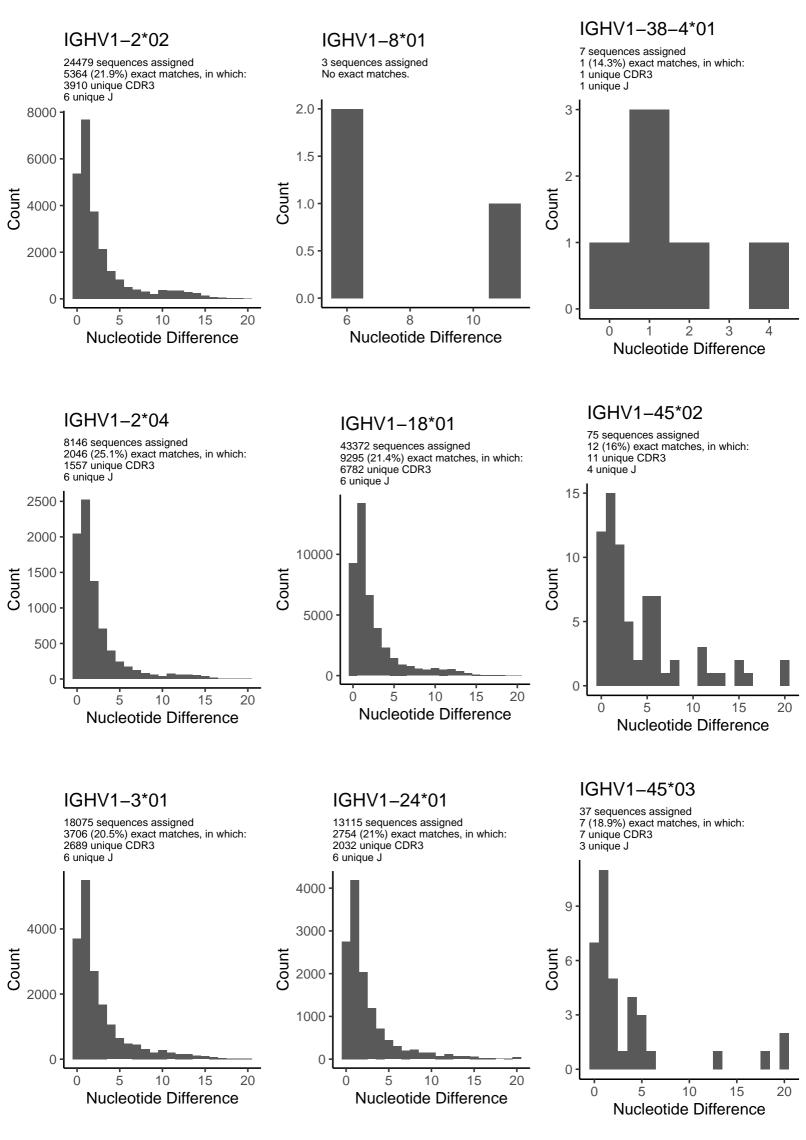


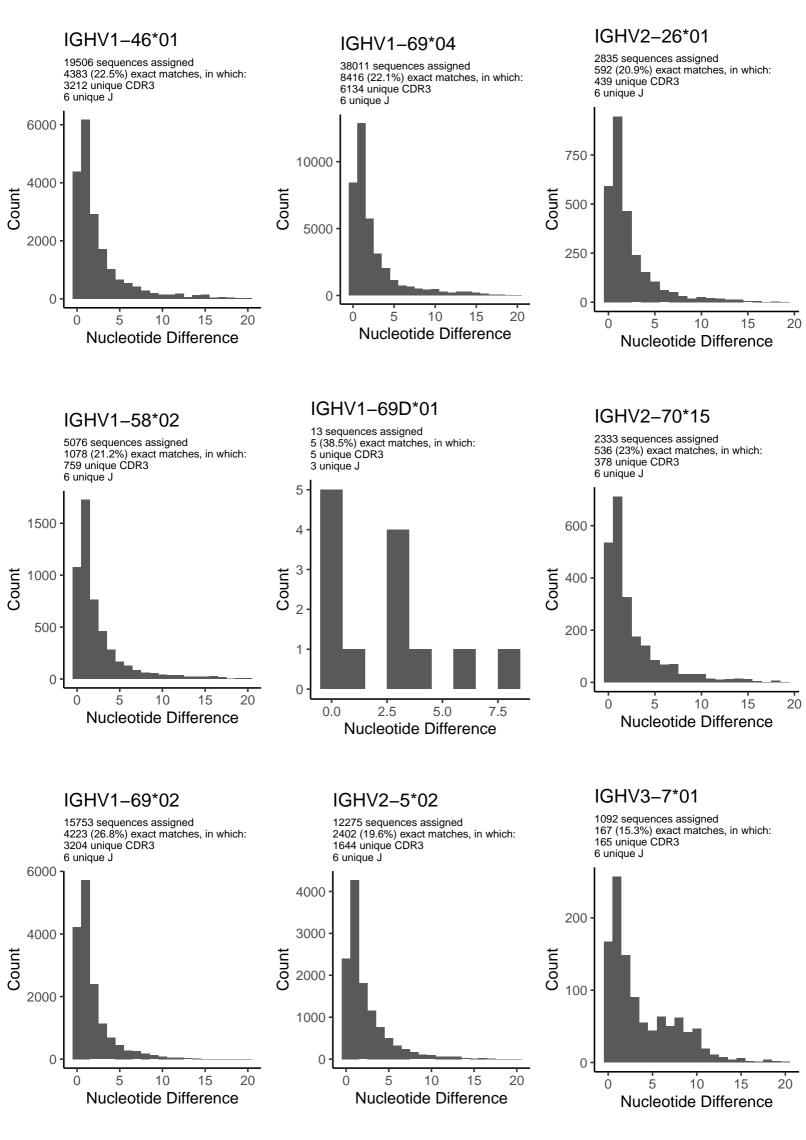
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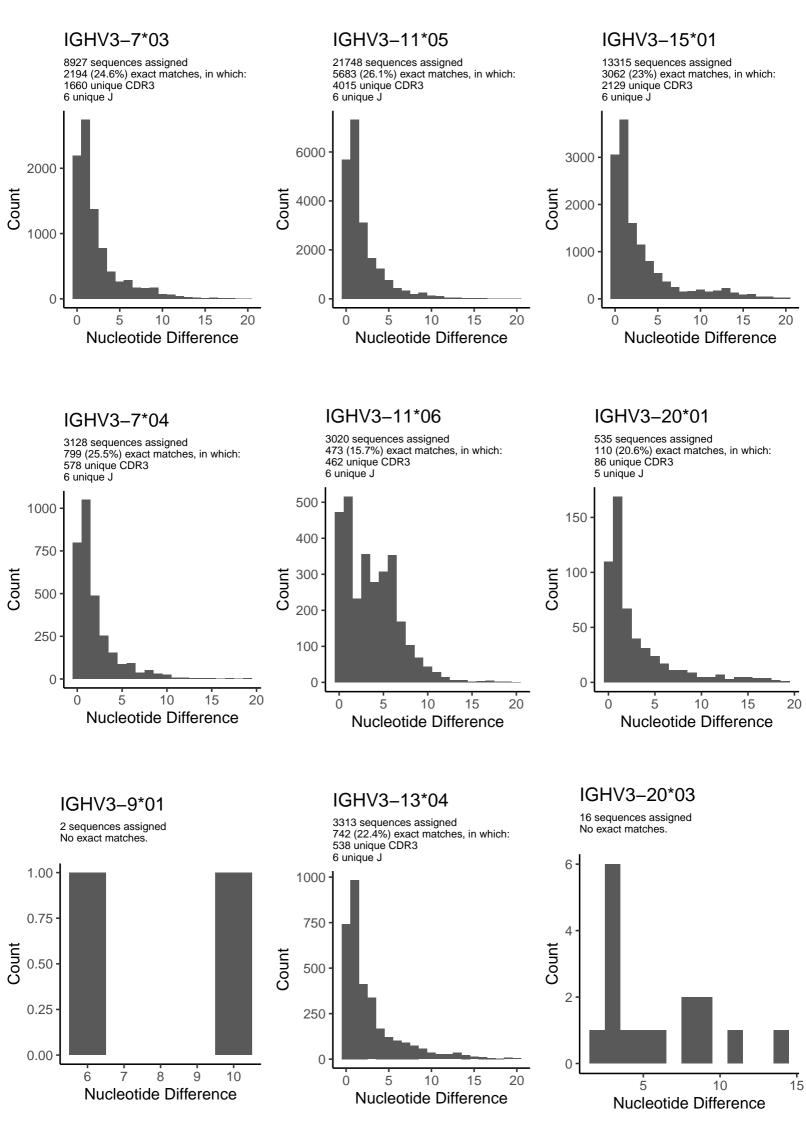


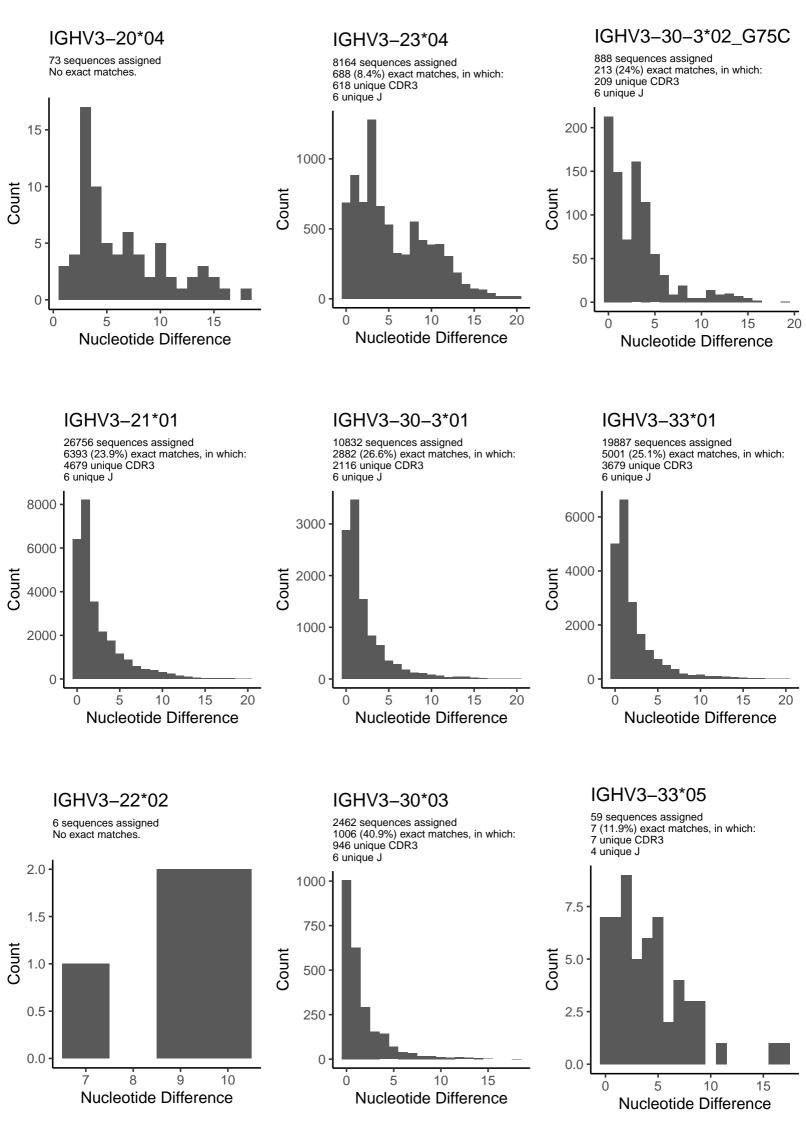


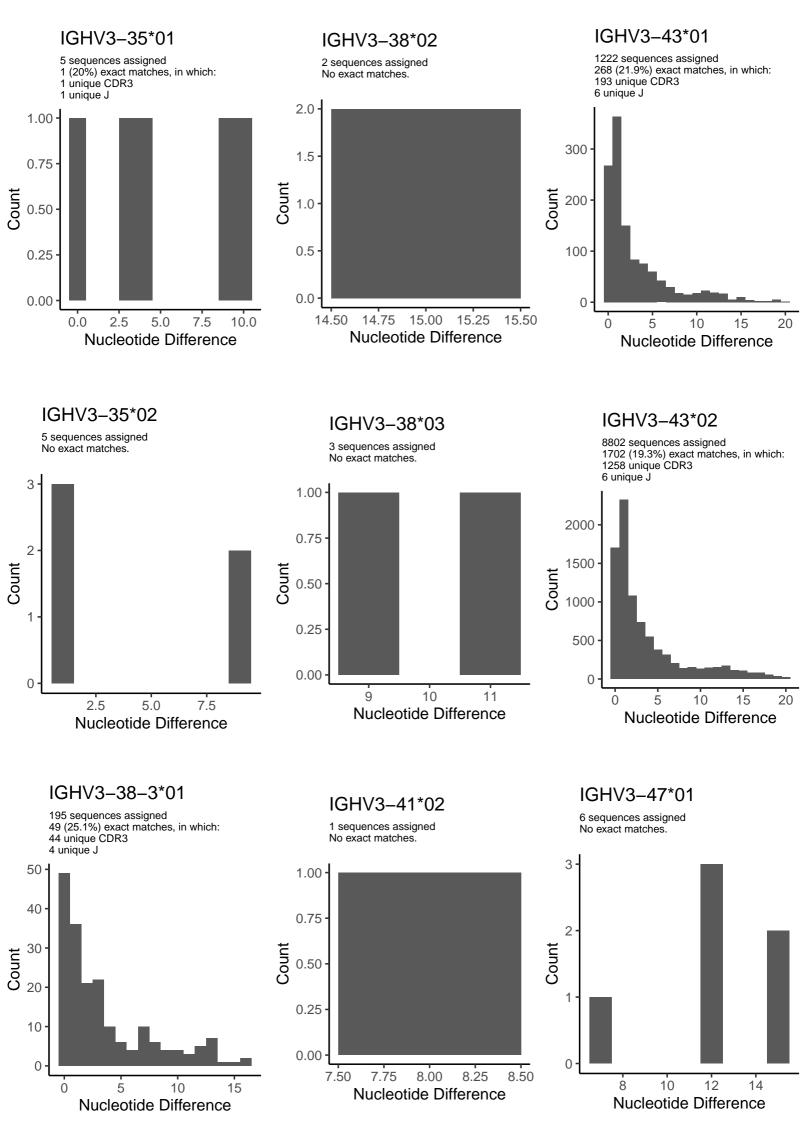


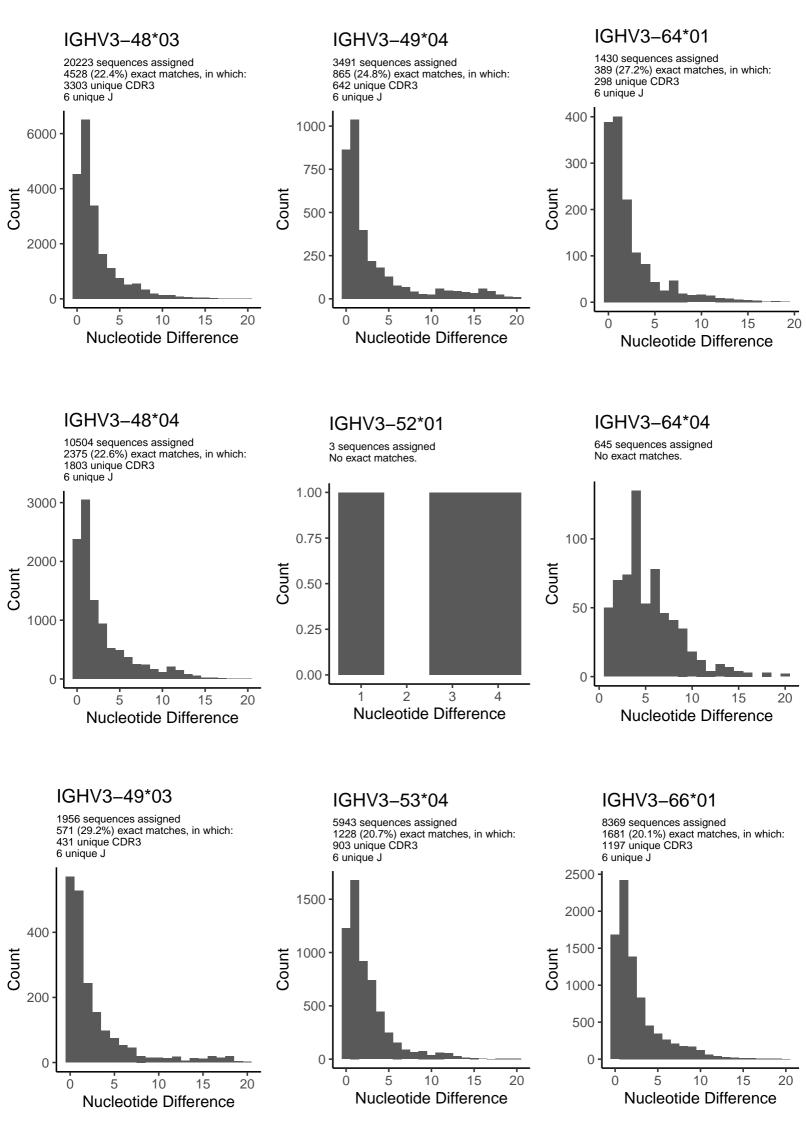


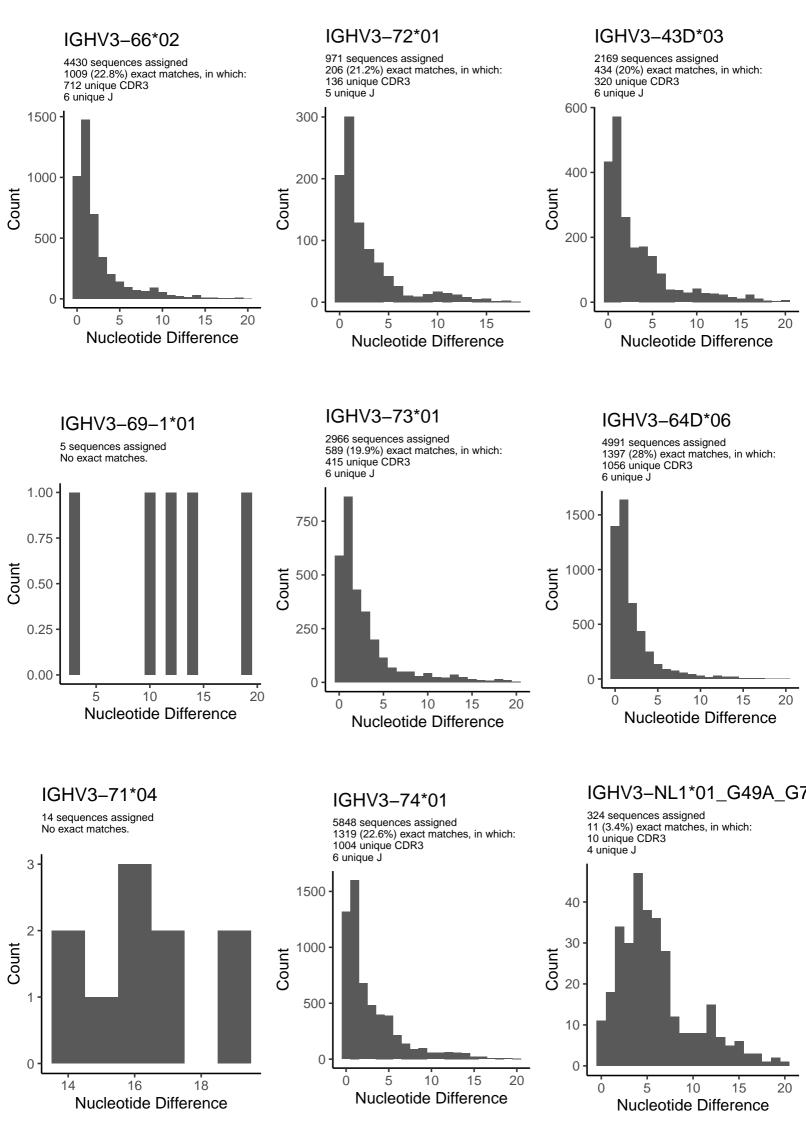


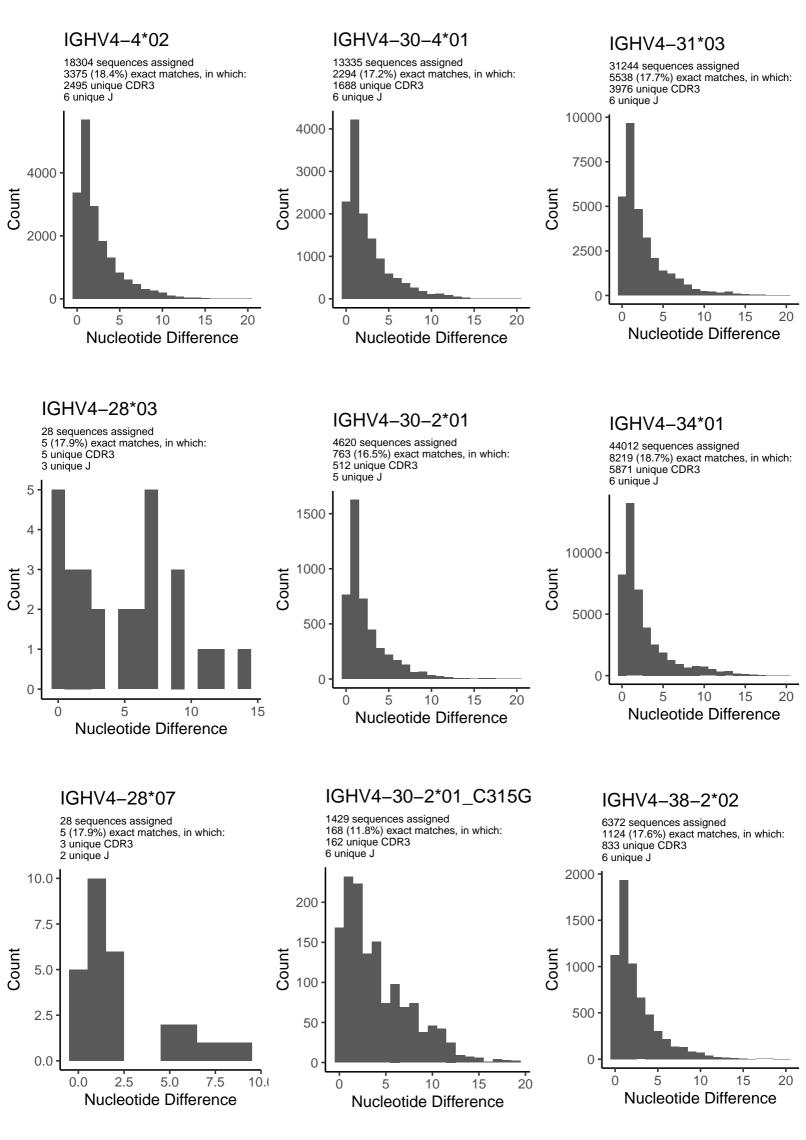


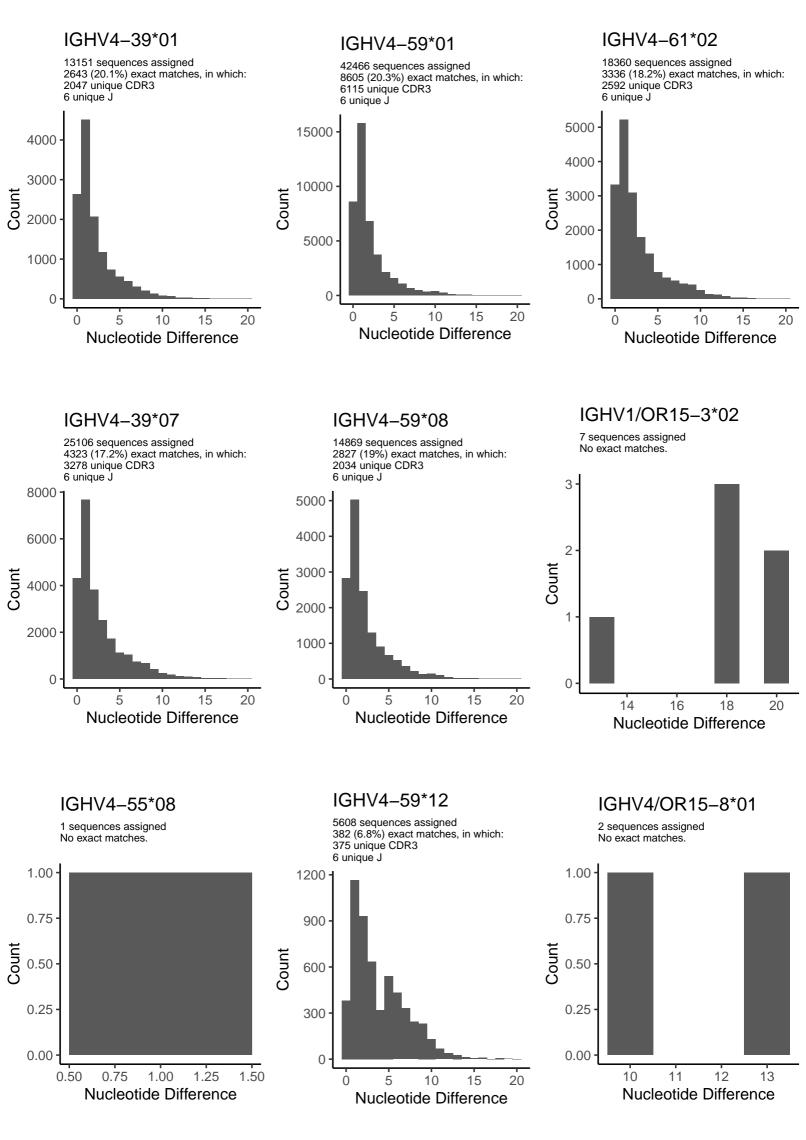




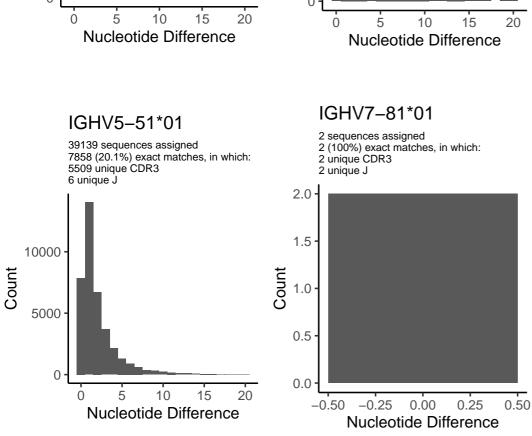


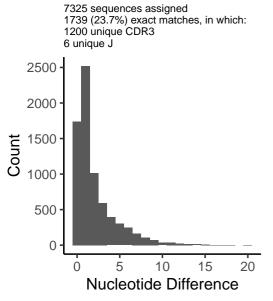






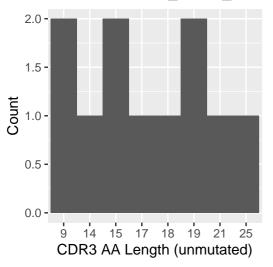
IGHV7-4-1*01 IGHV5-10-1*01 458 sequences assigned 23426 sequences assigned 5188 (22.1%) exact matches, in which: 121 (26.4%) exact matches, in which: 100 unique CDR3 3834 unique CDR3 6 unique J 6 unique J 8000 100 6000 Count Count Count 50 2000 0 0 0 10 15 20 0 5 10 15 **Nucleotide Difference Nucleotide Difference**

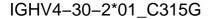


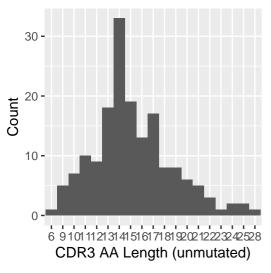


IGHV6-1*01

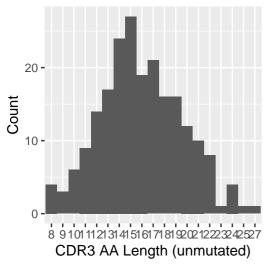
IGHV3-NL1*01_G49A_G75C_T201C_C223A_G267T_T288C







IGHV3-30-3*02_G75C





Varning – no interred sequences tound.
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: sequence(s) for allele(s) IGHV3-72*01_A169G_A173G_A177G_T187G_A188T_C287G can't be found in the reference set or the novel alleles file.
Varning – no inferred sequences found.
Varning – no inferred sequences found. Varning – no inferred sequences found.
Varning – no inferred sequences found.