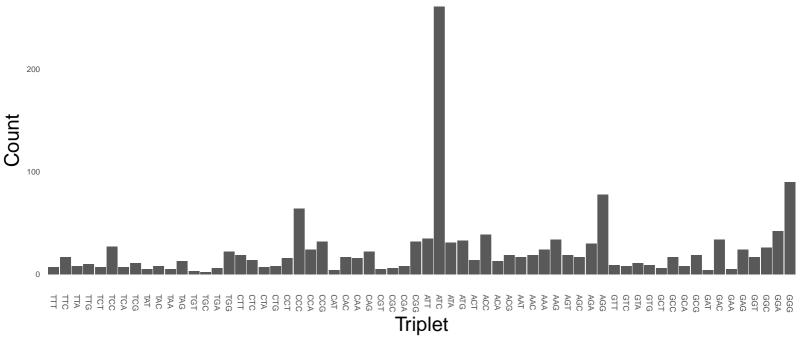
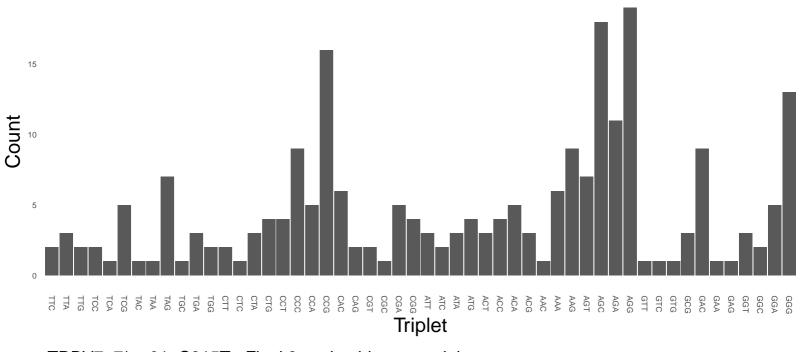


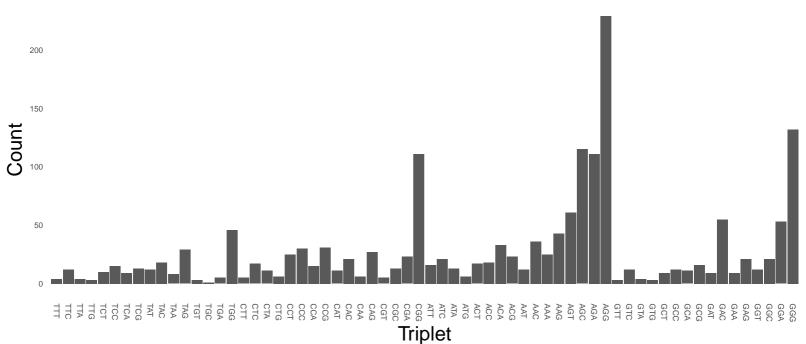
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet

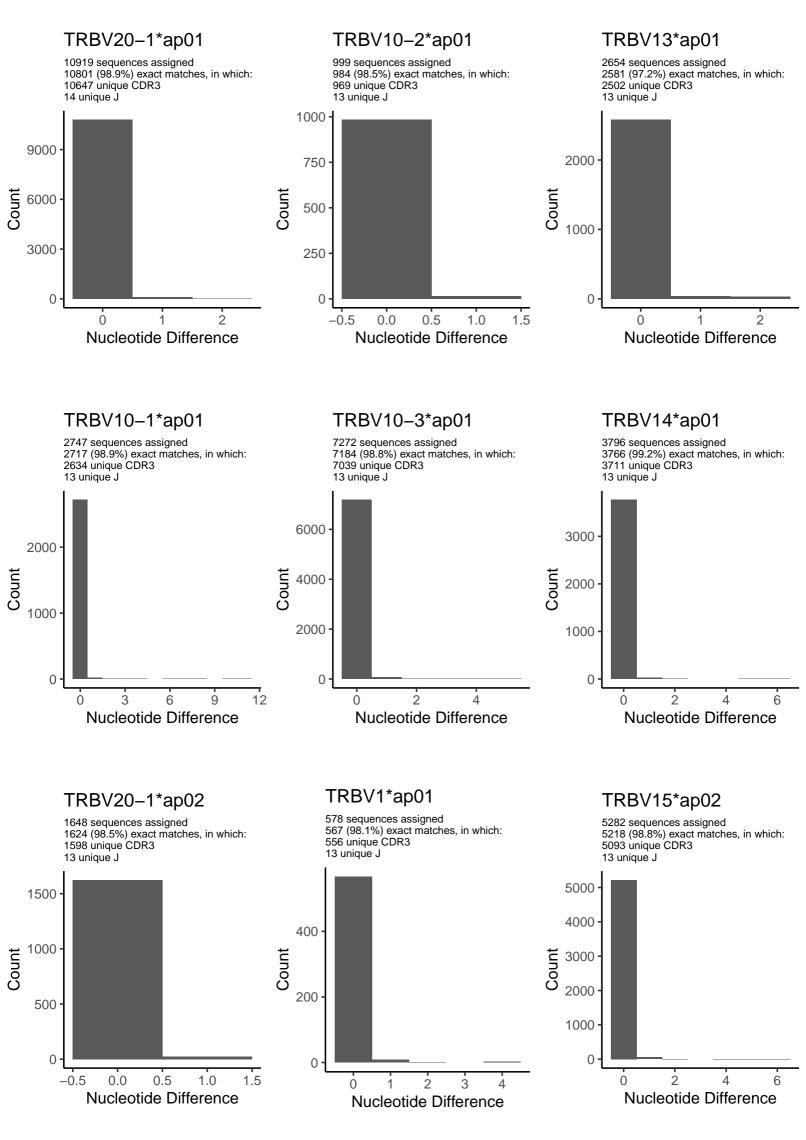


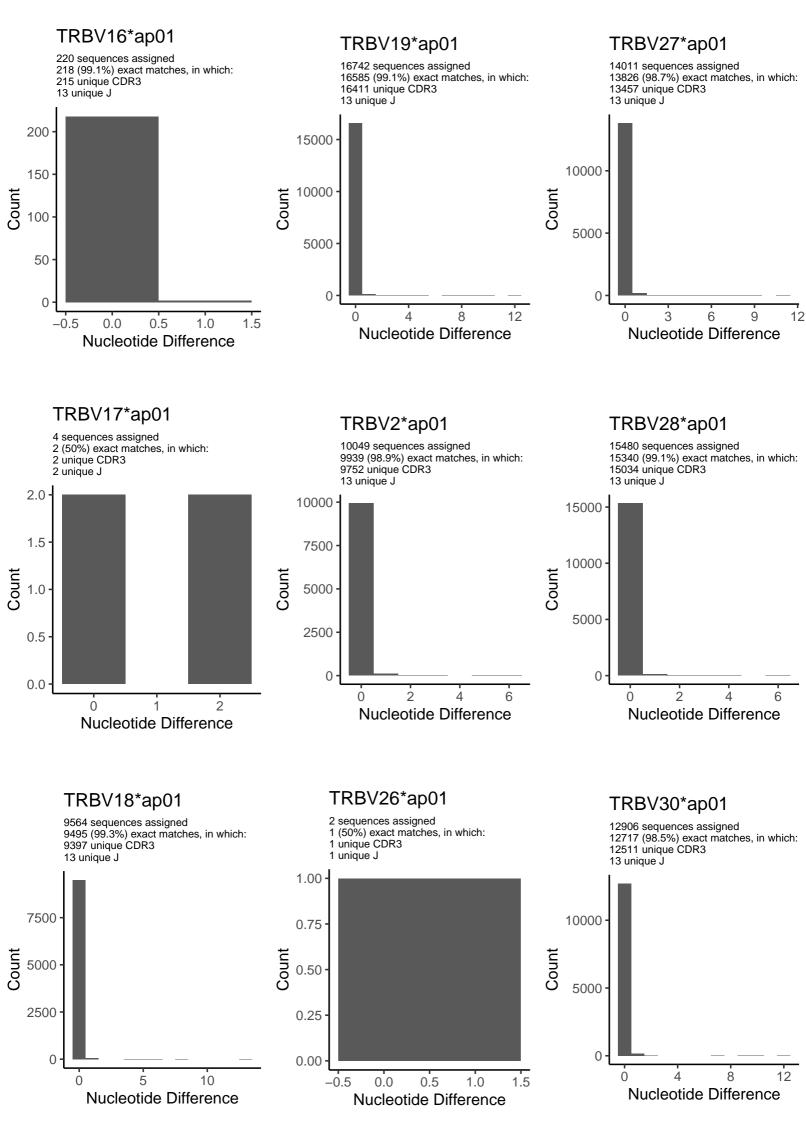
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

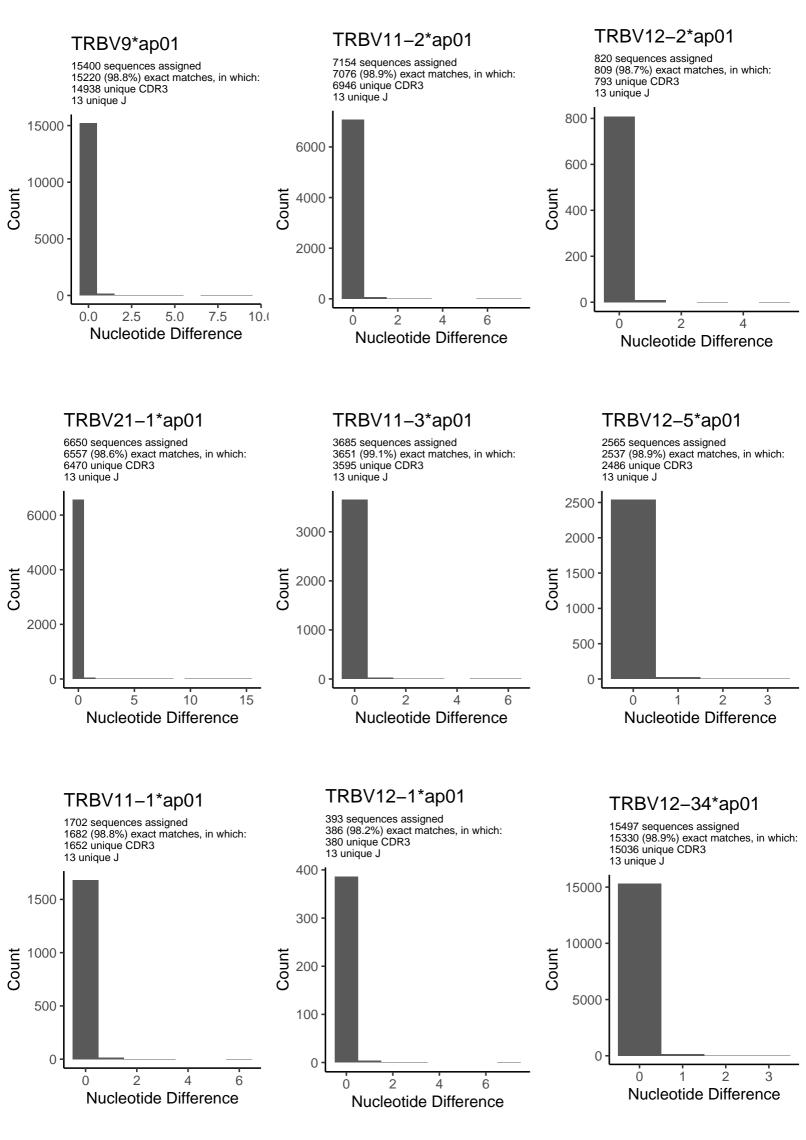


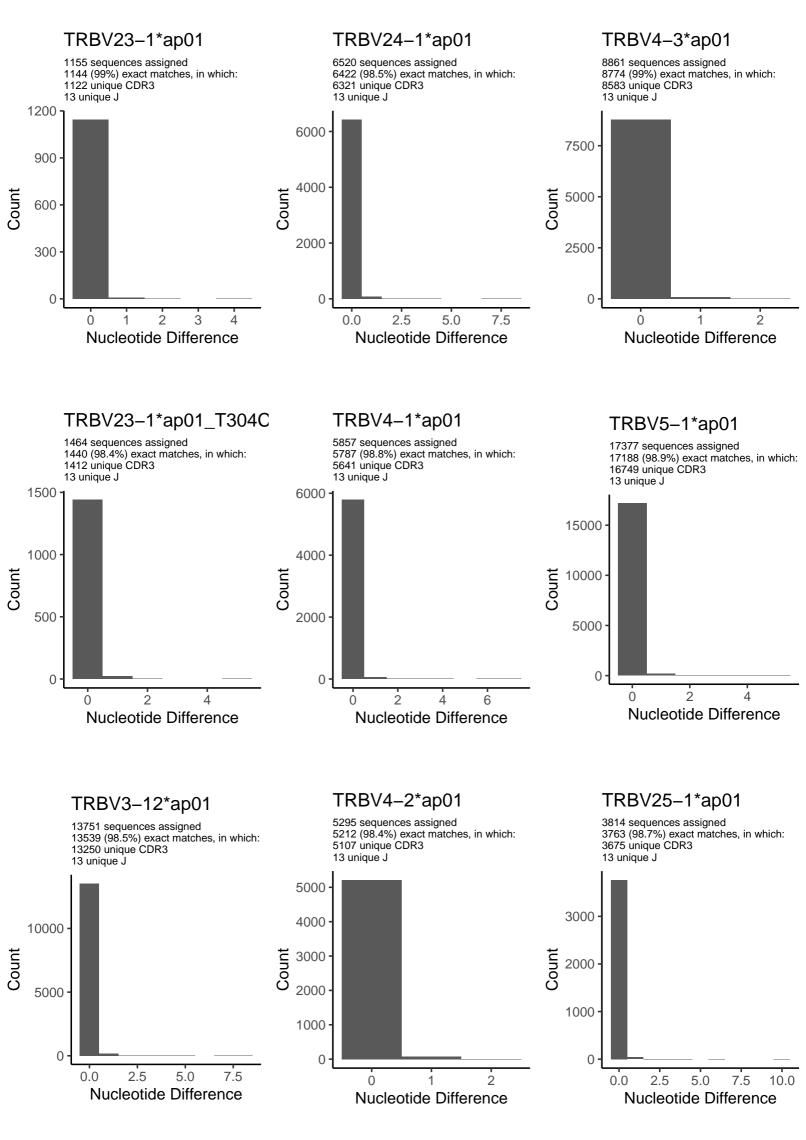
TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet

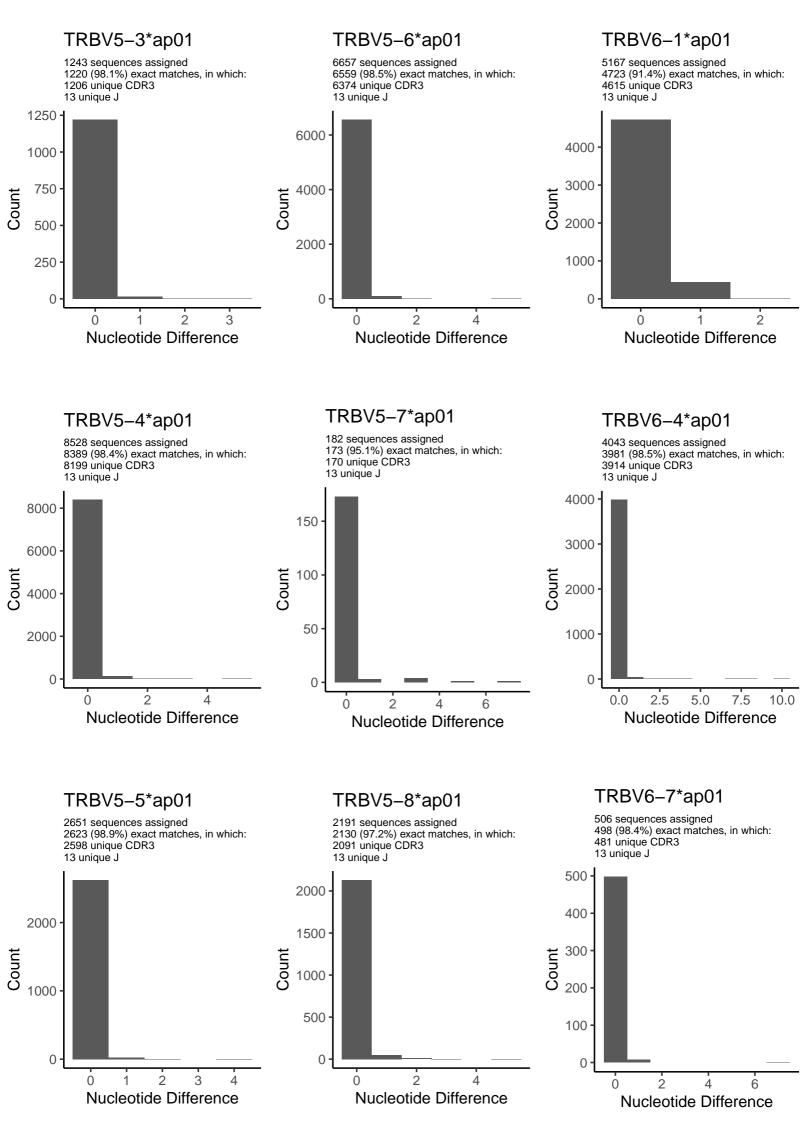


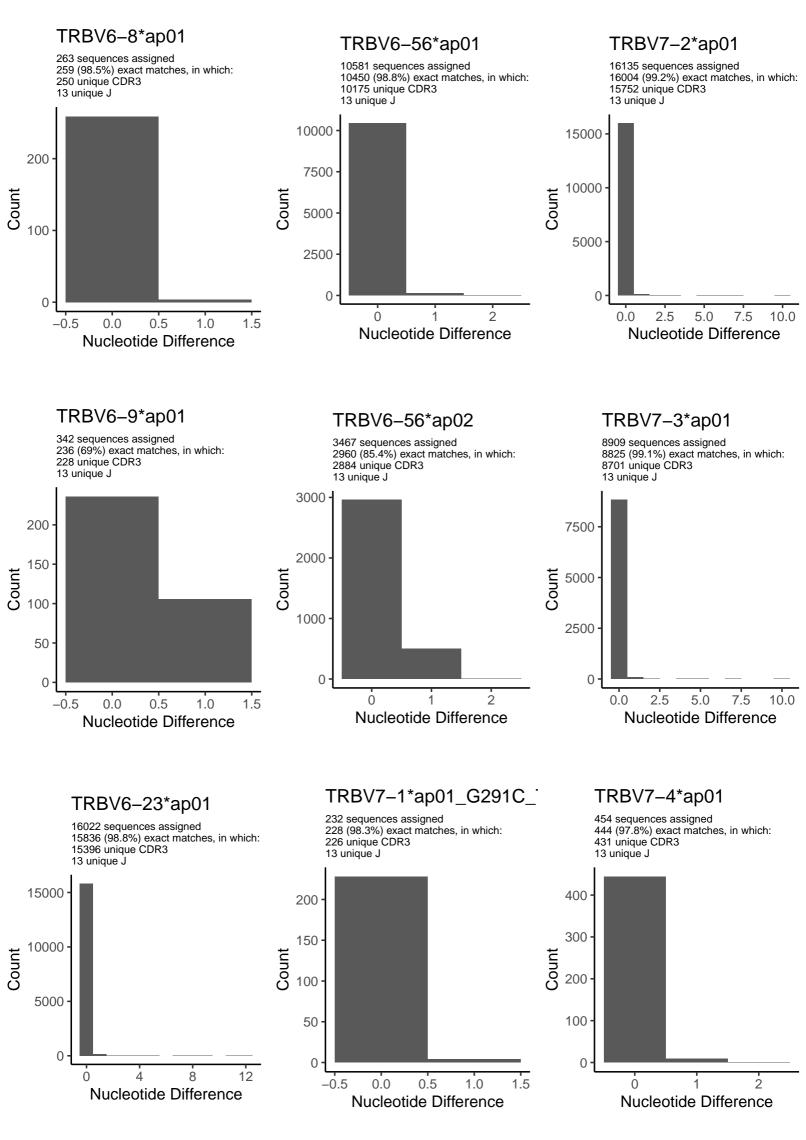


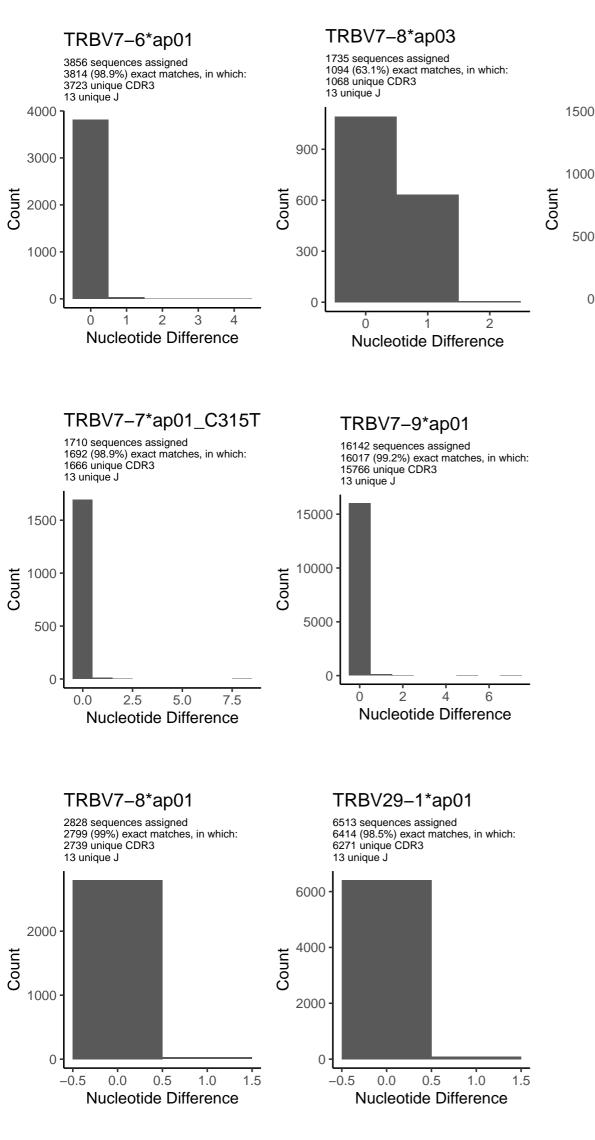












TRBV29-1*ap02

1401 unique CDR3

13 unique J

0

-0.5

0.0

0.5

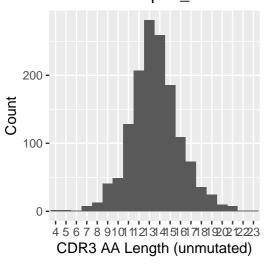
Nucleotide Difference

1.0

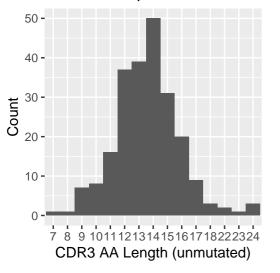
1.5

1444 sequences assigned 1433 (99.2%) exact matches, in which:

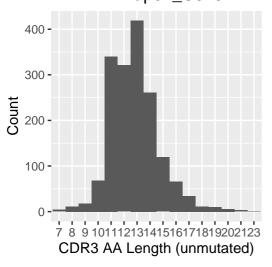
TRBV23-1*ap01_T304C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





talling to more sequences out a	
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