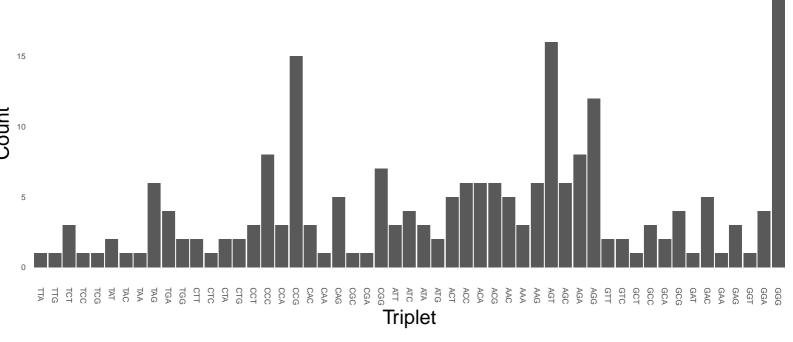
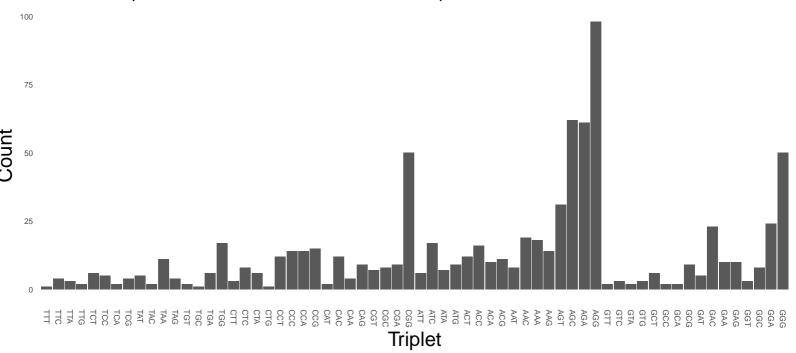


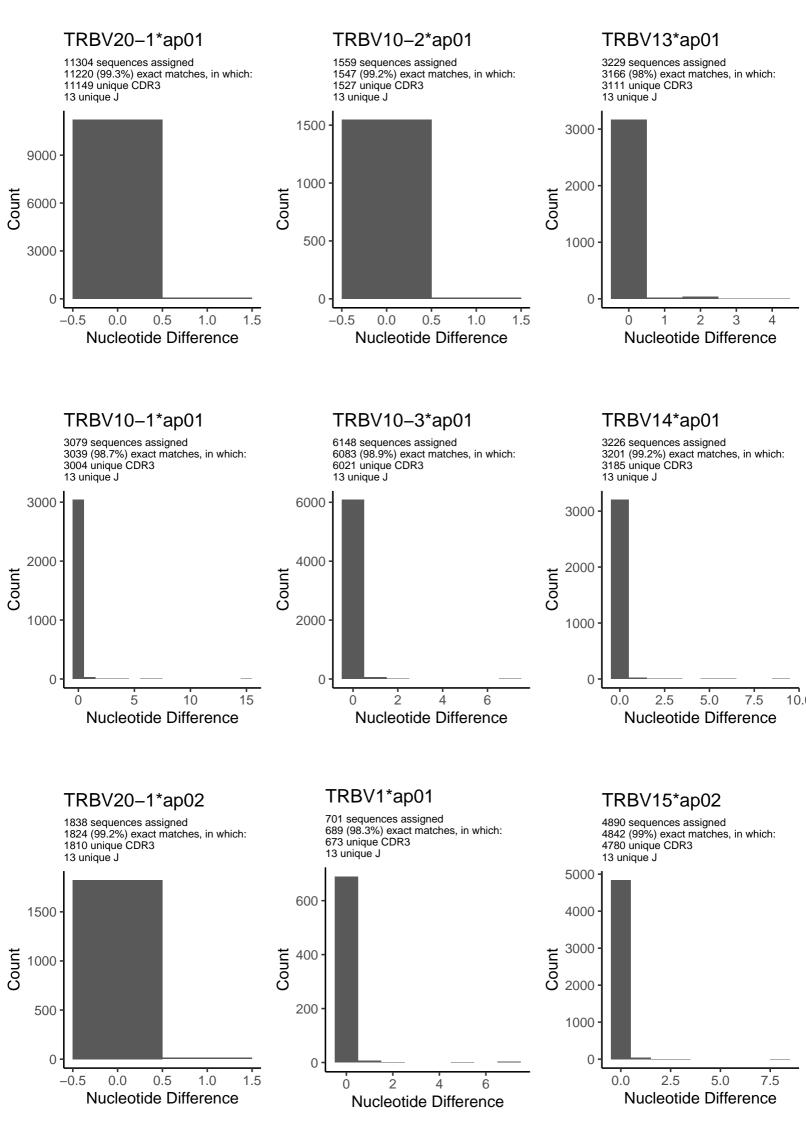
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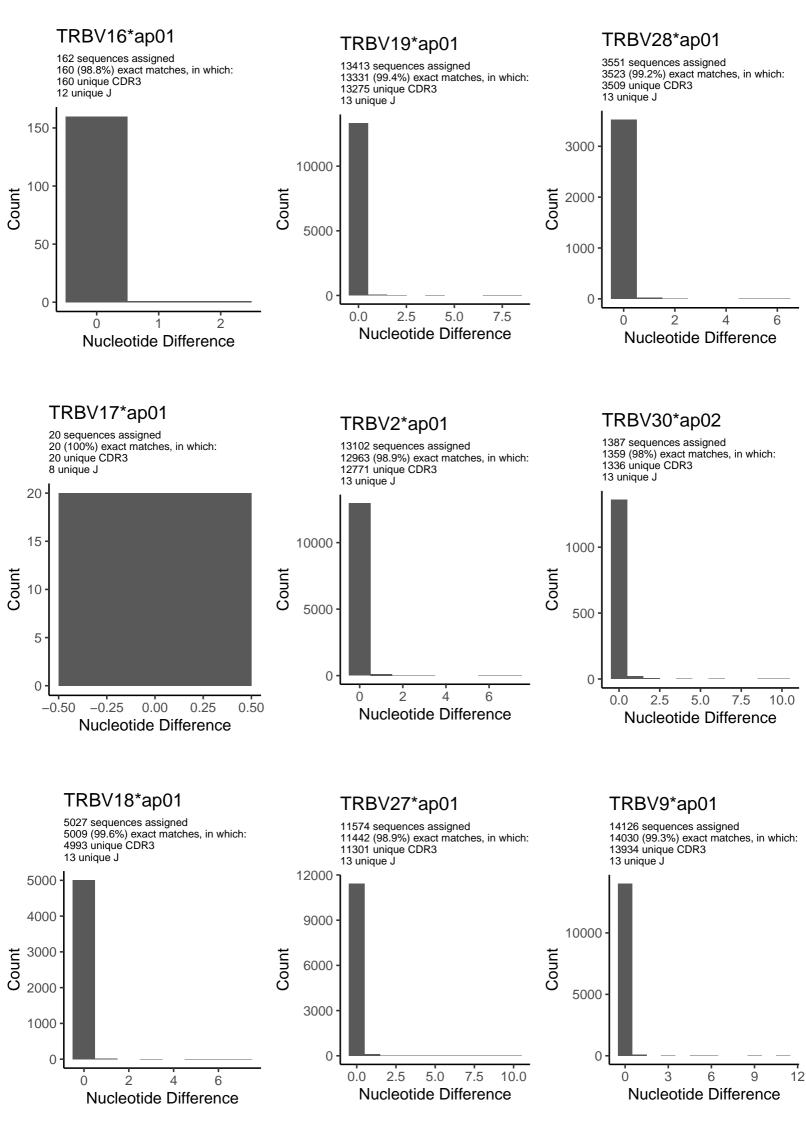
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

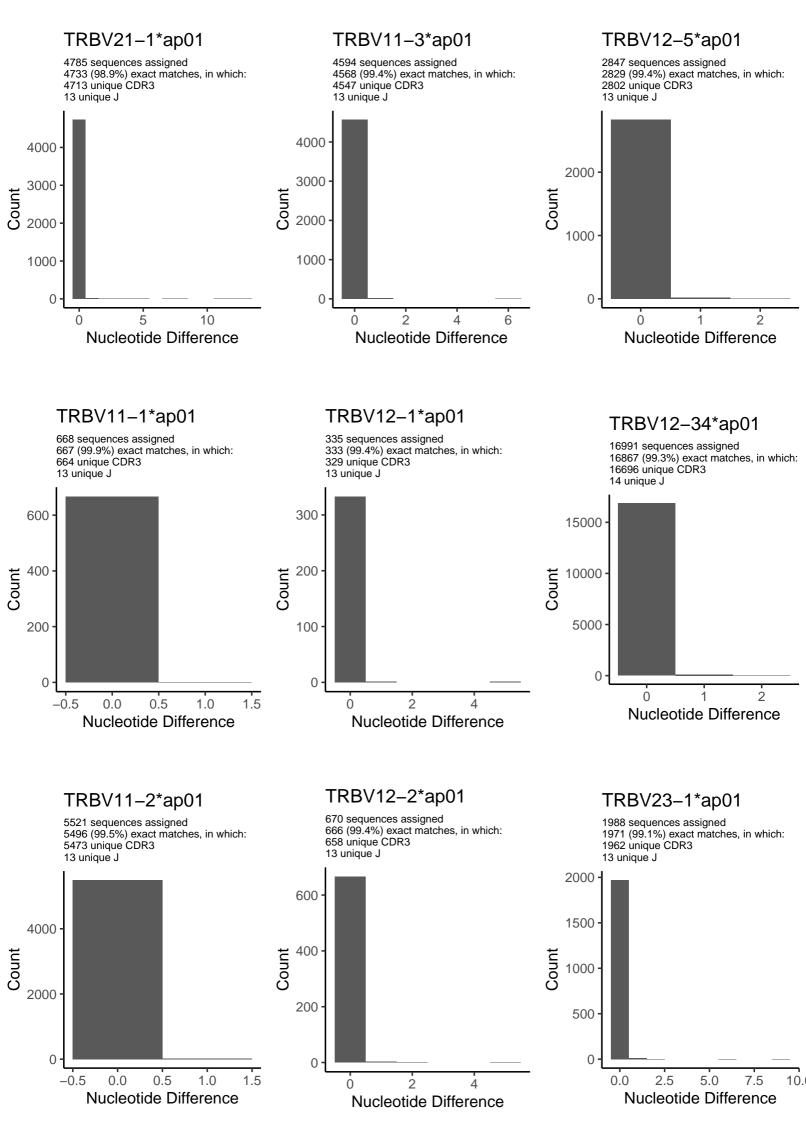


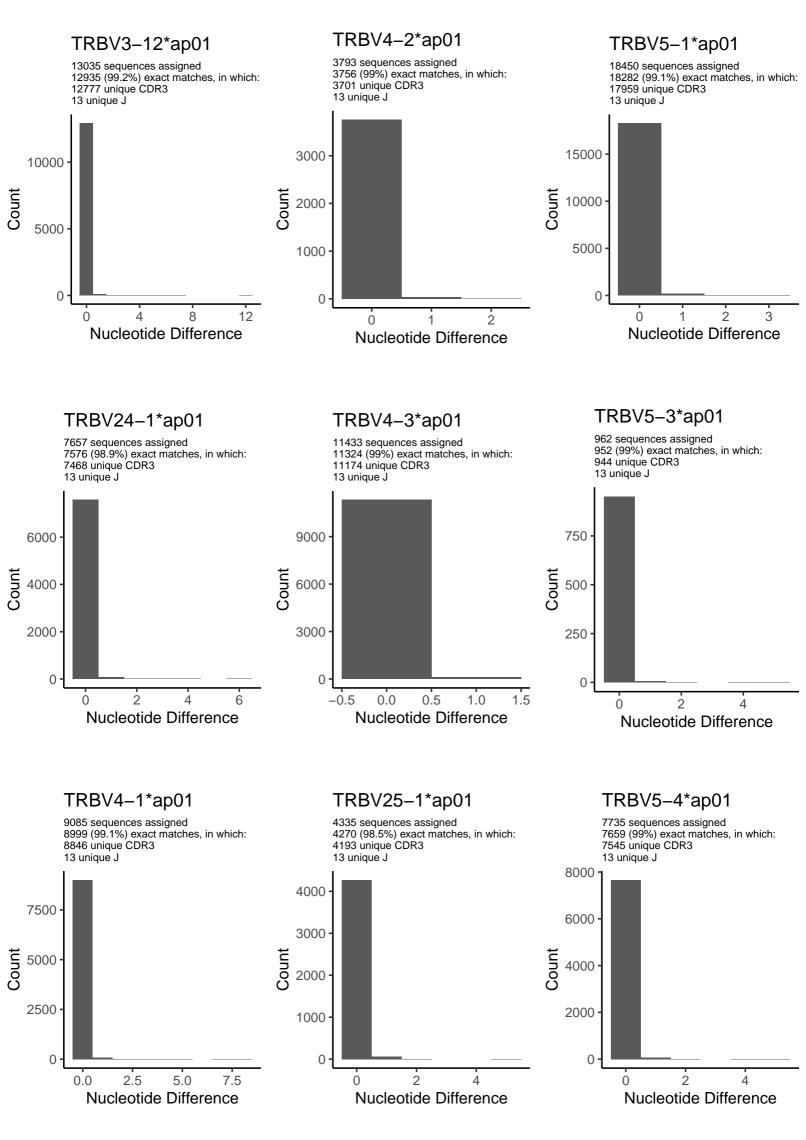
TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet

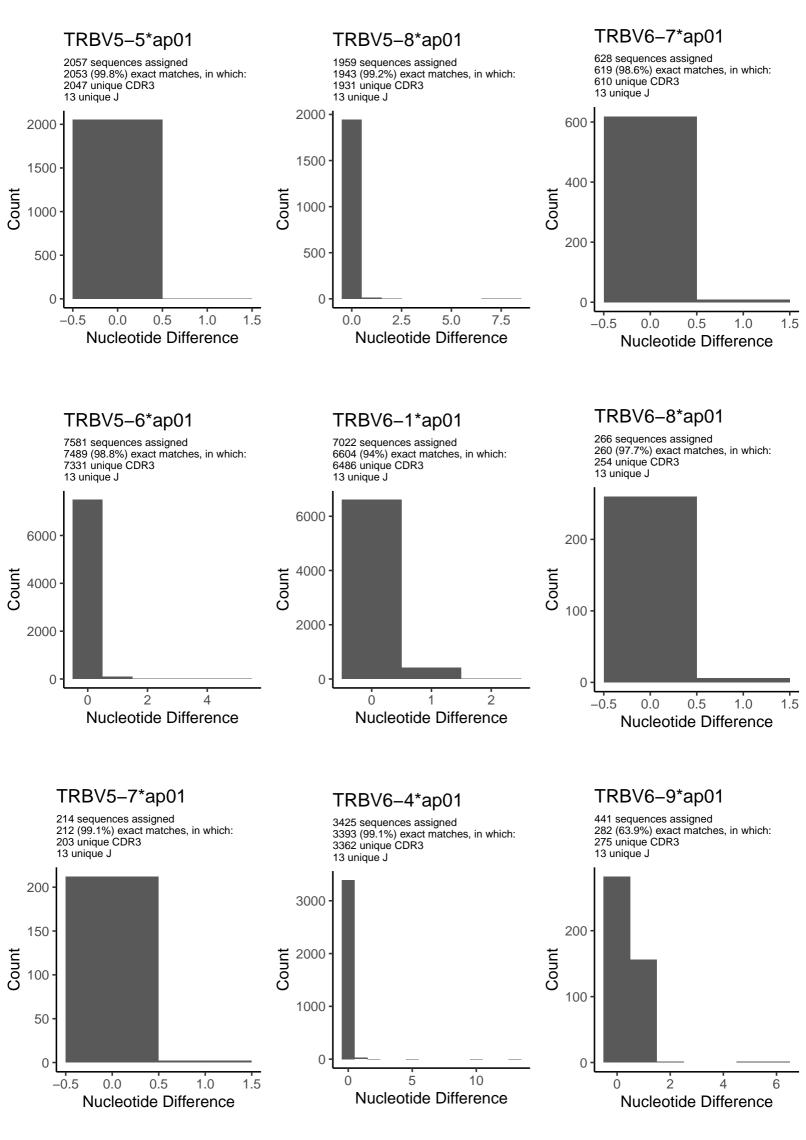


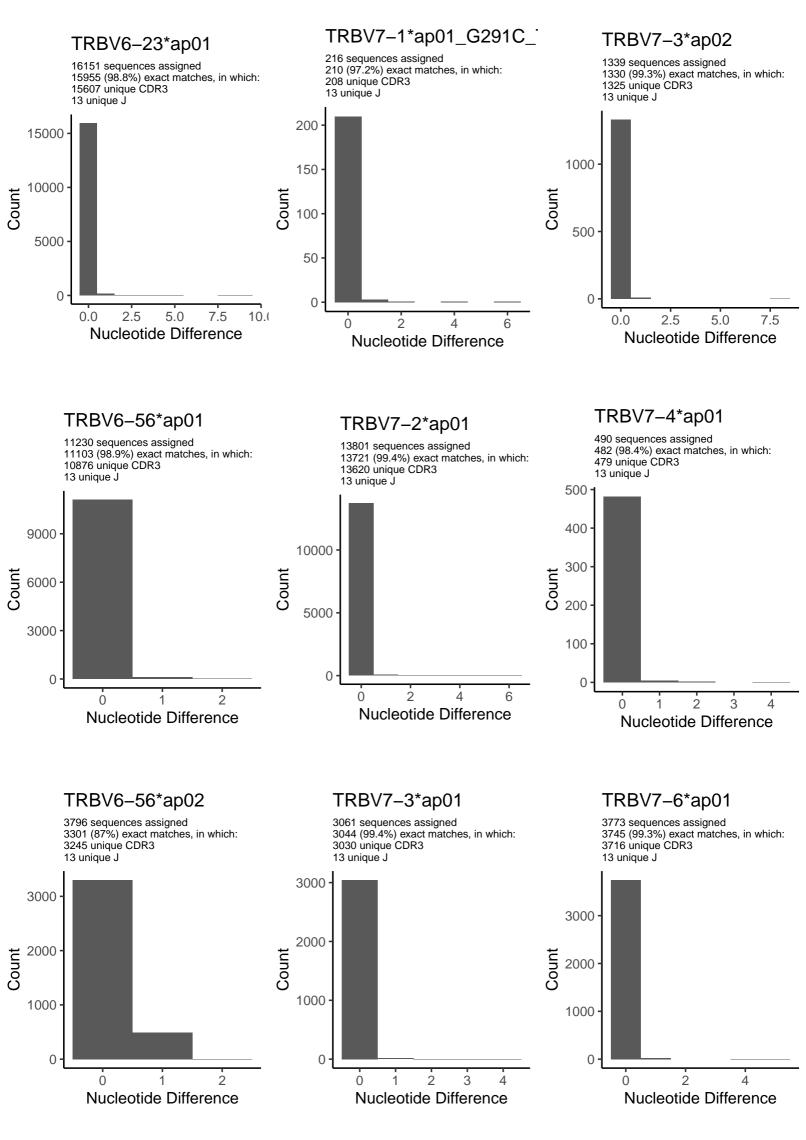












TRBV7-7*ap01 TRBV7-8*ap03 740 sequences assigned 739 (99.9%) exact matches, in which: 1515 sequences assigned 1021 (67.4%) exact matches, in which: 728 unique CDR3 1008 unique CDR3 13 unique J 13 unique J 1000 600 750 Count 400 500 200 250 0 0 0.0 0.5 1.0 1.5 -0.5**Nucleotide Difference** Nucleotide Difference TRBV7-7*ap01_C315T TRBV7-9*ap01 810 sequences assigned 806 (99.5%) exact matches, in which: 14169 sequences assigned 14081 (99.4%) exact matches, in which: 799 unique CDR3 13970 unique CDR3 13 unique J 13 unique J 800 600 10000 Count 400 5000 200 0 1.5 1.0 -0.50.0 0.5 Nucleotide Difference **Nucleotide Difference** TRBV29-1*ap01 TRBV7-8*ap01 4929 sequences assigned 4852 (98.4%) exact matches, in which: 3083 sequences assigned 3062 (99.3%) exact matches, in which: 3025 unique CDR3 4729 unique CDR3 13 unique J 13 unique J 5000 3000 4000 2000 3000 Count 2000 1000 1000 0 -0.50.0 0.5 1.0 1.5 **Nucleotide Difference Nucleotide Difference**

TRBV29-1*ap02

906 unique CDR3

13 unique J

750

500

250

0

-0.5

0.0

0.5

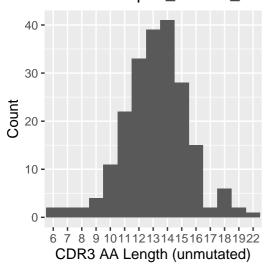
Nucleotide Difference

1.0

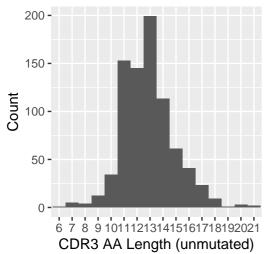
Count

941 sequences assigned 933 (99.1%) exact matches, in which:

TRBV7-1*ap01_G291C_T296C









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