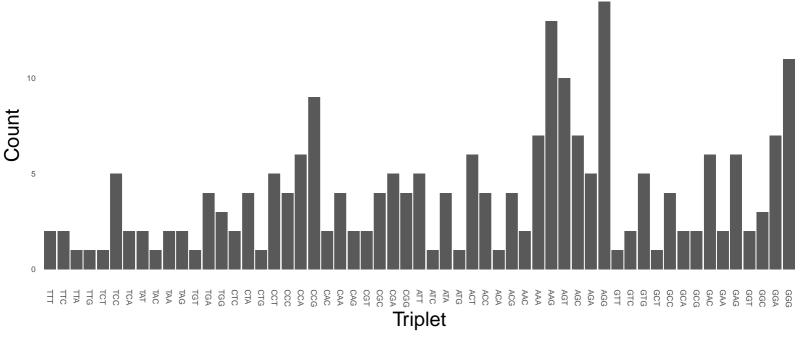


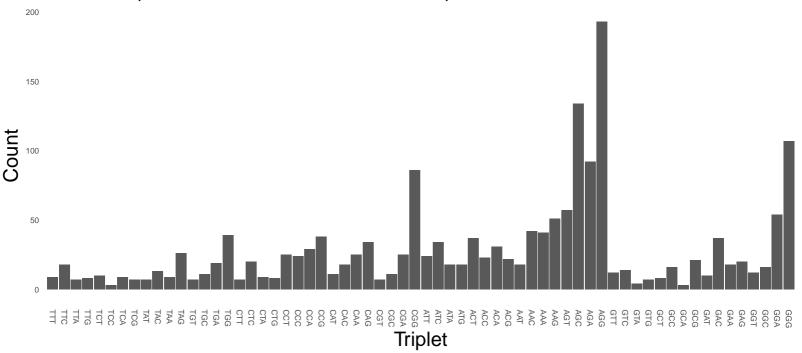
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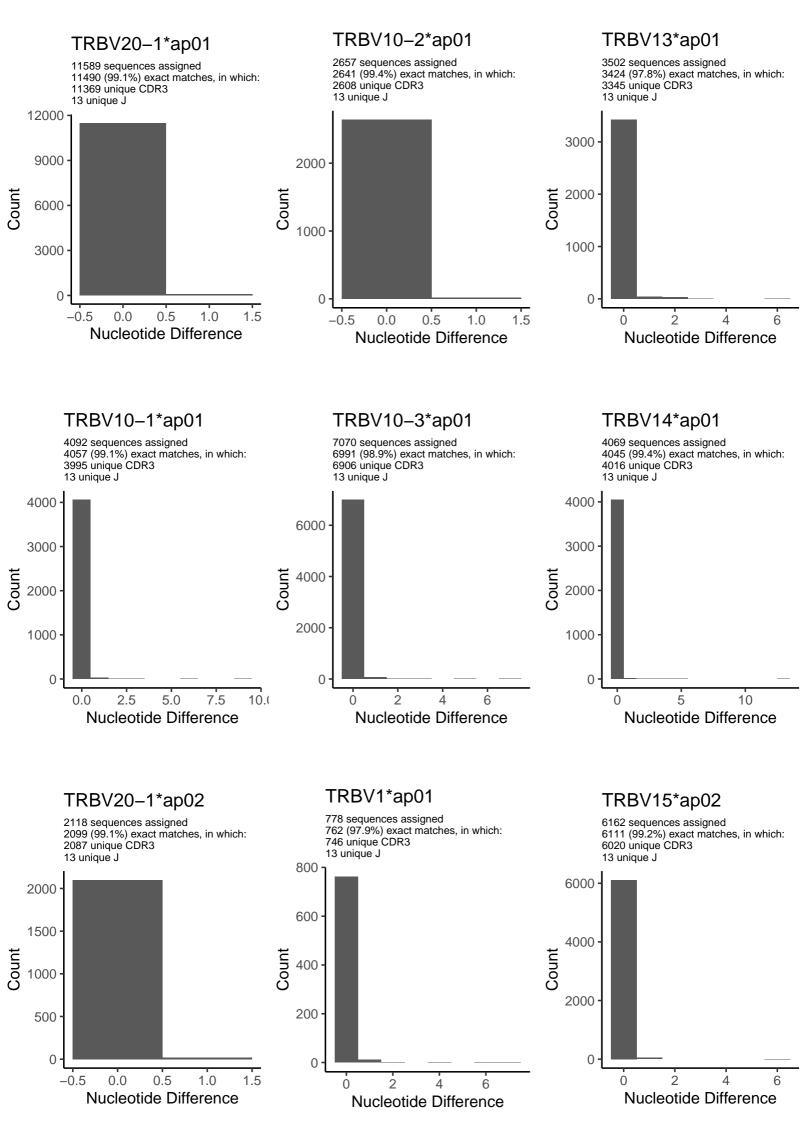
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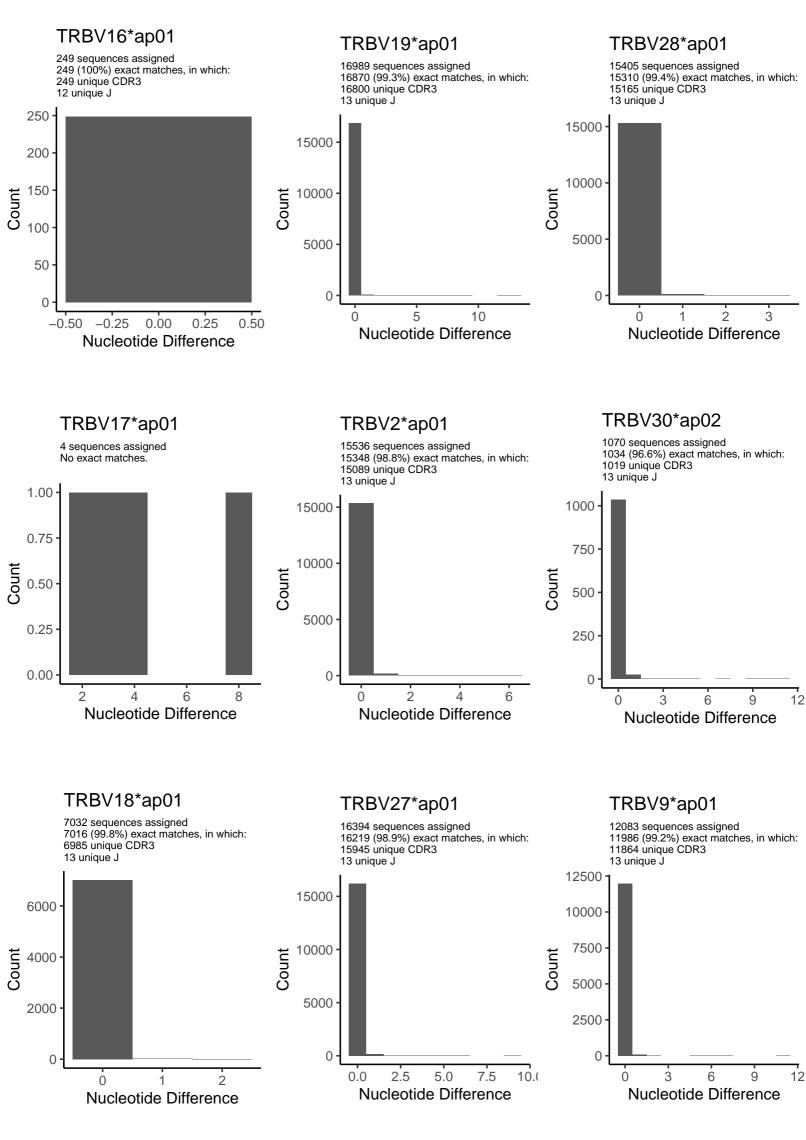
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

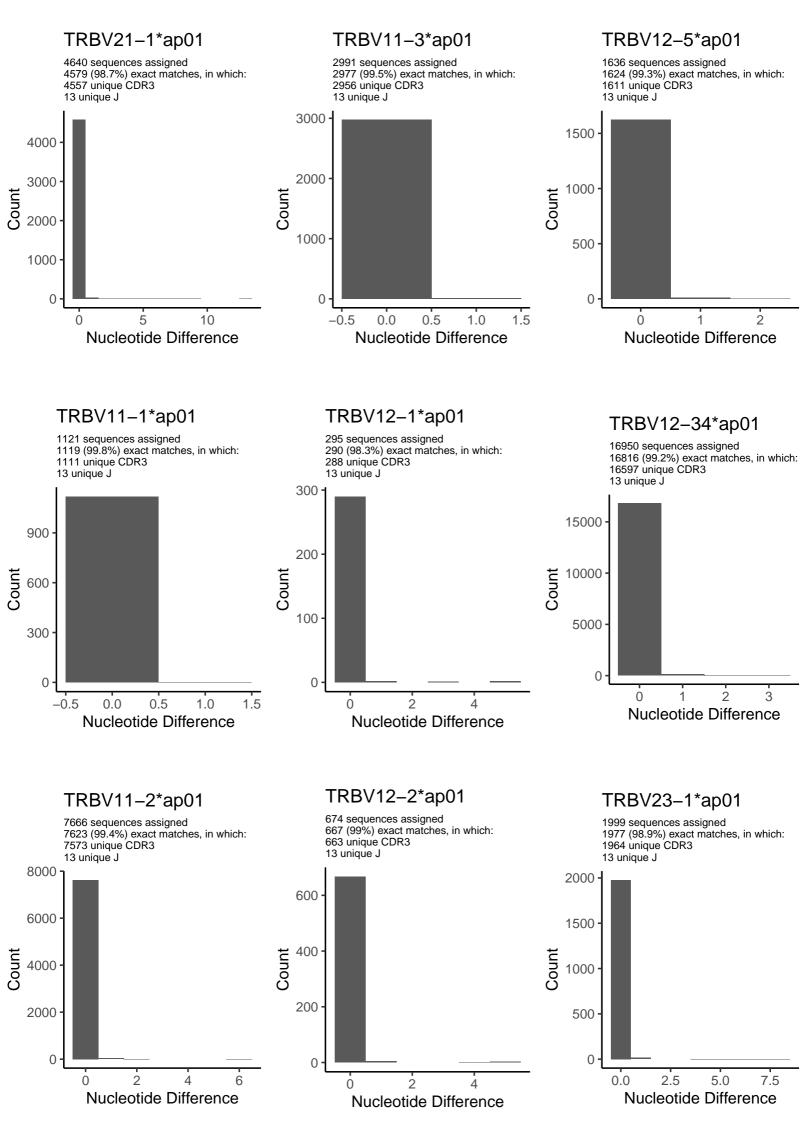


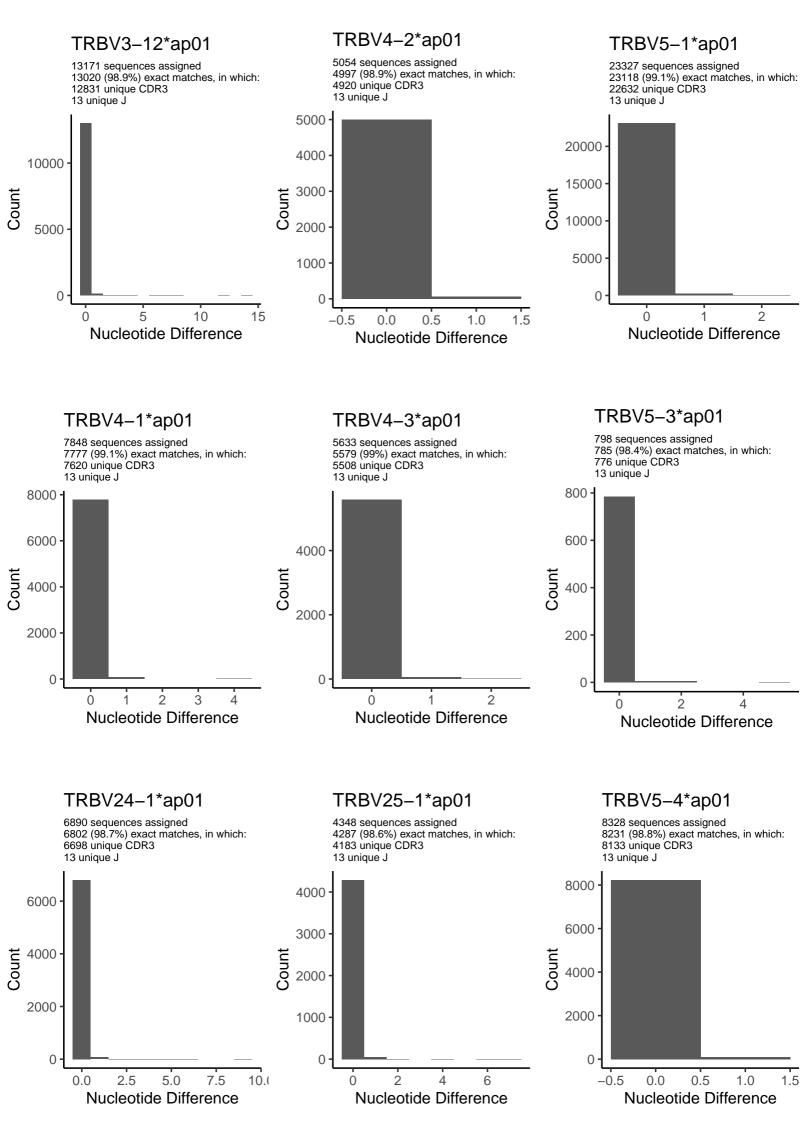
TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet

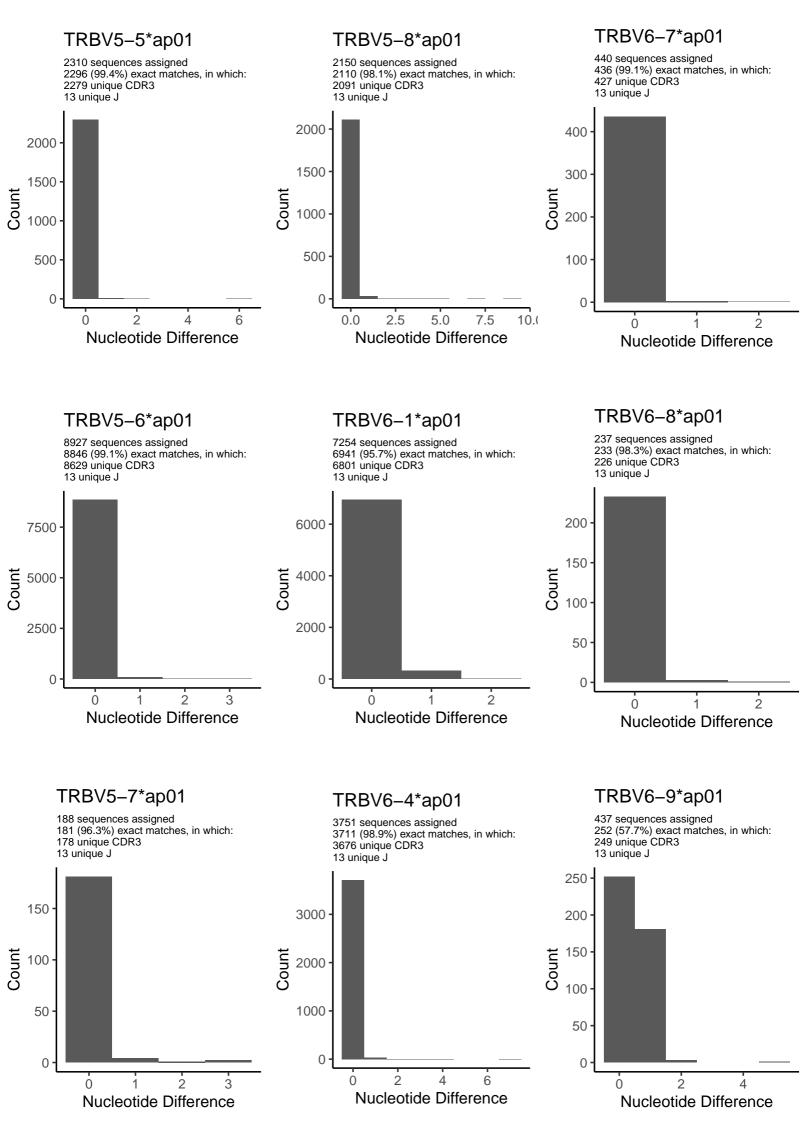


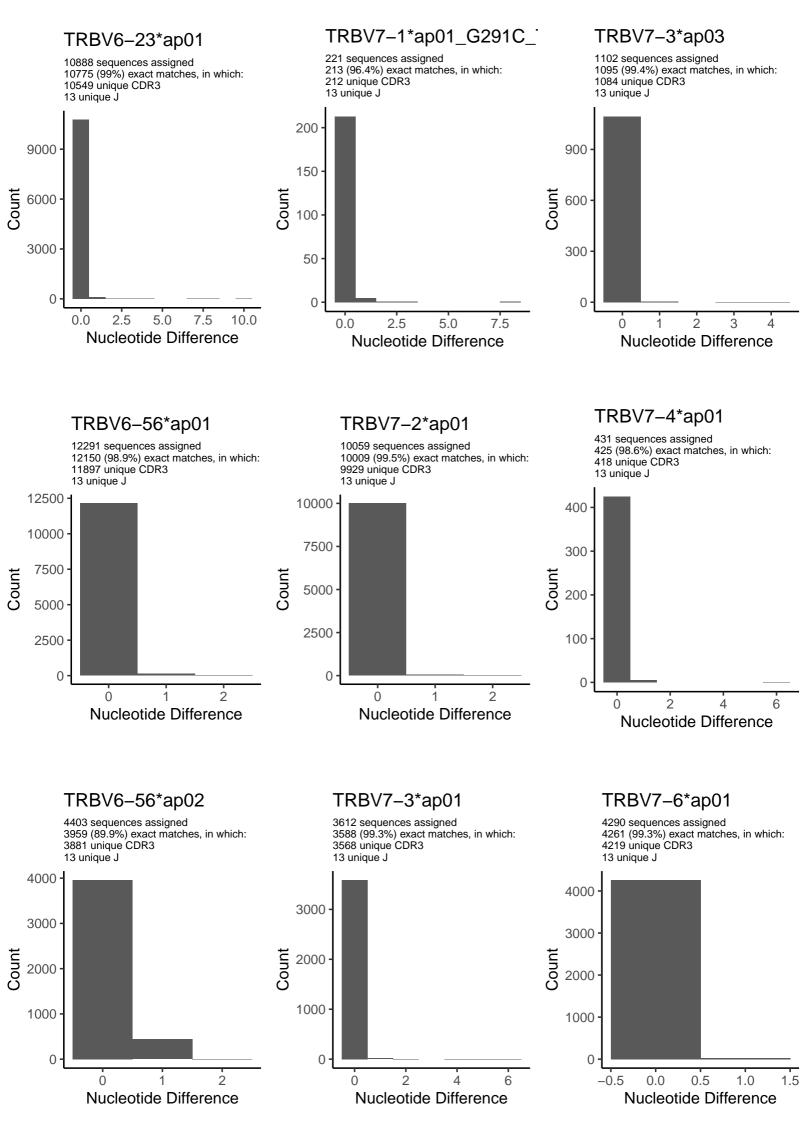






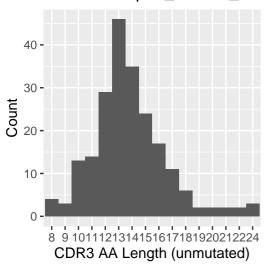




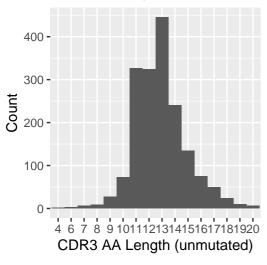


TRBV7-7*ap01_C315T TRBV7-9*ap01 1773 sequences assigned 1757 (99.1%) exact matches, in which: 17648 sequences assigned 17508 (99.2%) exact matches, in which: 17331 unique CDR3 1744 unique CDR3 13 unique J 13 unique J 1500 15000 Count 1000 10000 5000 500 0 0 2 3 0 0 3 **Nucleotide Difference Nucleotide Difference** TRBV7-8*ap01 TRBV29-1*ap01 3597 sequences assigned 3569 (99.2%) exact matches, in which: 5681 sequences assigned 5591 (98.4%) exact matches, in which: 3516 unique CDR3 5437 unique CDR3 13 unique J 13 unique J 3000 4000 Count 2000 2000 1000 0 -0.50.0 0.5 1.0 1.5 -0.50.0 0.5 1.0 **Nucleotide Difference** Nucleotide Difference TRBV29-1*ap02 TRBV7-8*ap03 1149 sequences assigned 1532 sequences assigned 1179 (77%) exact matches, in which: 1127 (98.1%) exact matches, in which: 1100 unique CDR3 1166 unique CDR3 13 unique J 13 unique J 1200 900 900 Count 600 600 300 300 0 0 0.0 0.5 -0.51.0 **Nucleotide Difference Nucleotide Difference**

TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





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