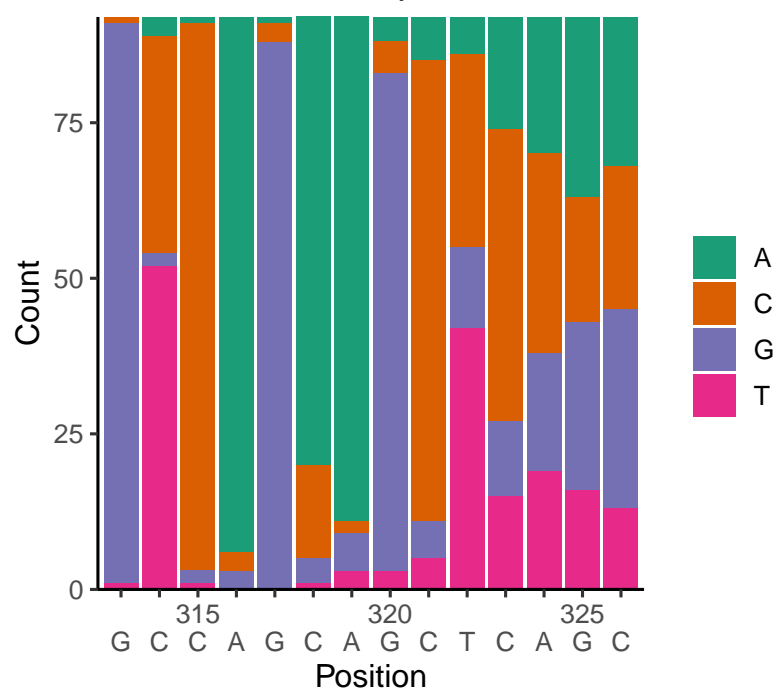
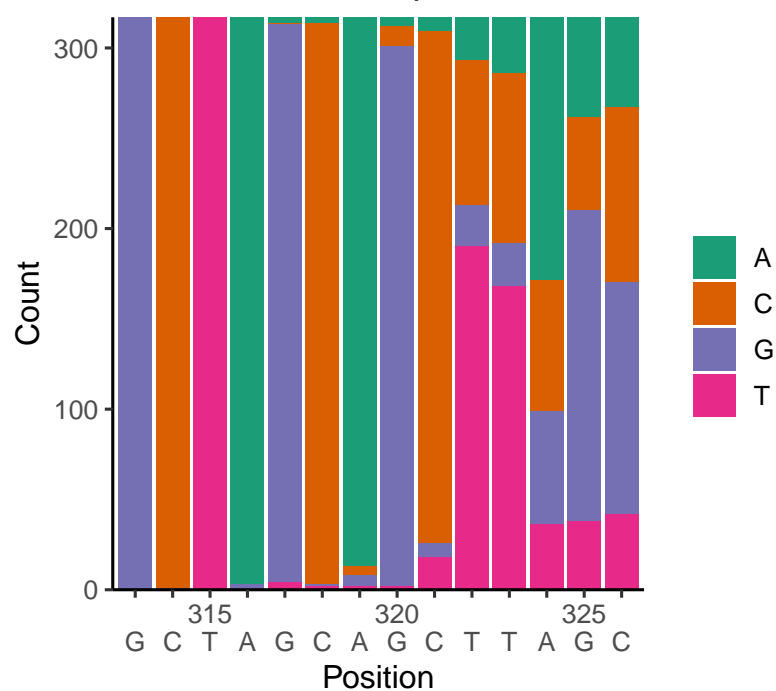


Gene TRBV7-1*ap01_T296C



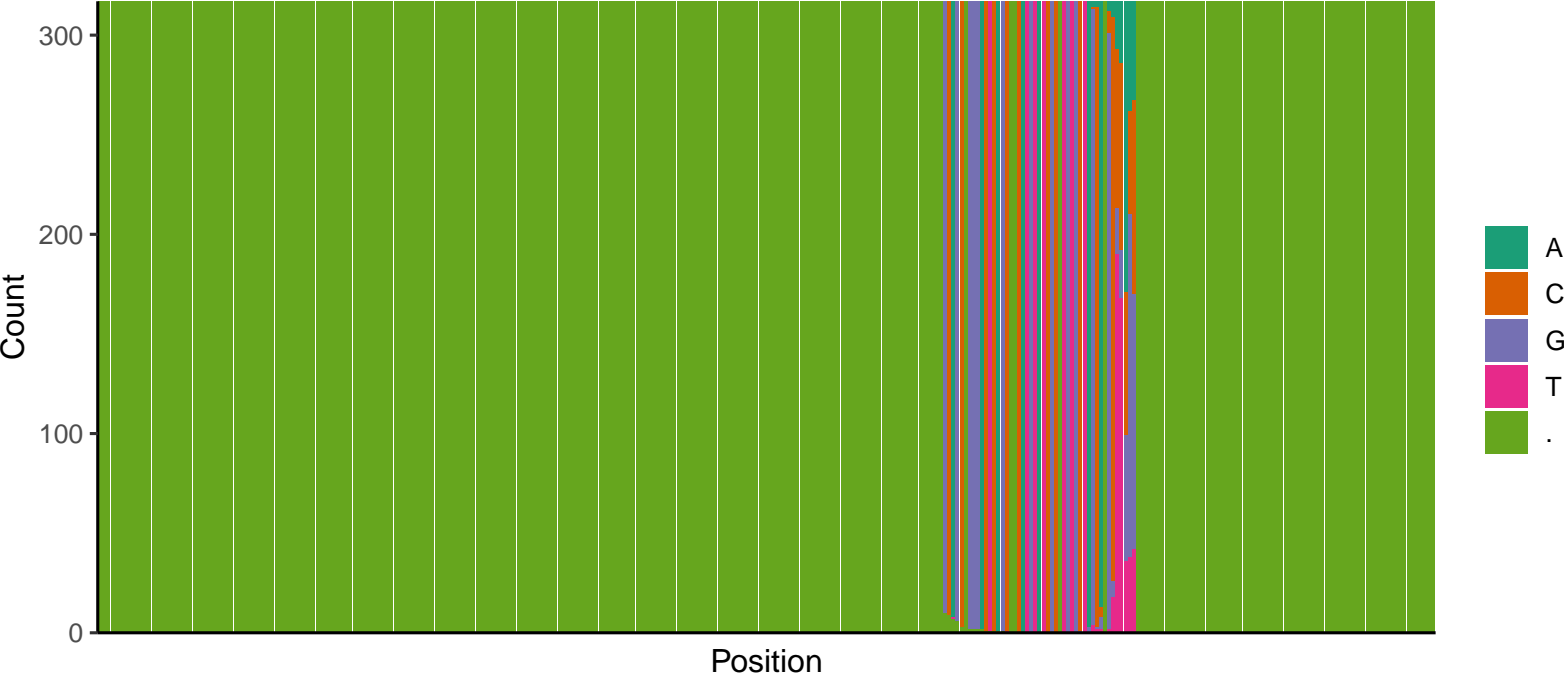
Gene TRBV7-7*ap01_C315T



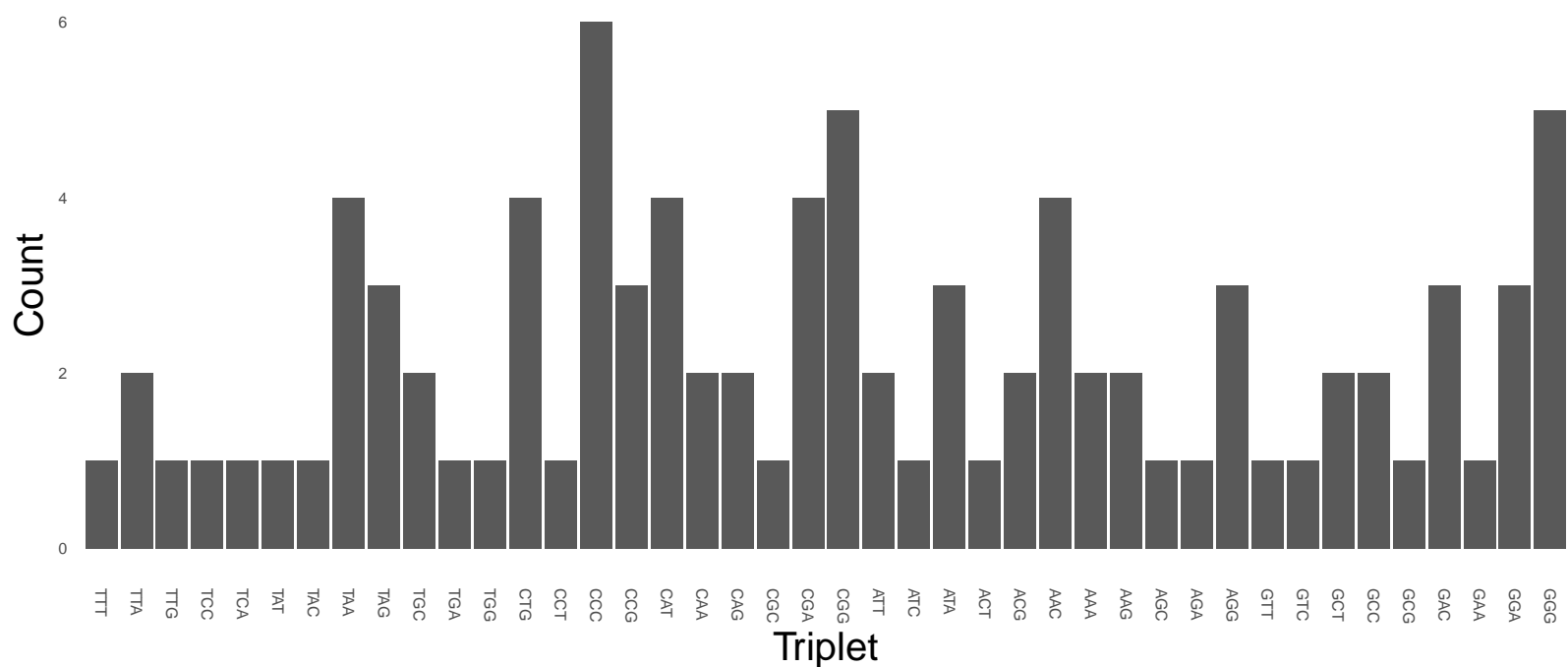
Gene TRBV7-1*ap01_T296C



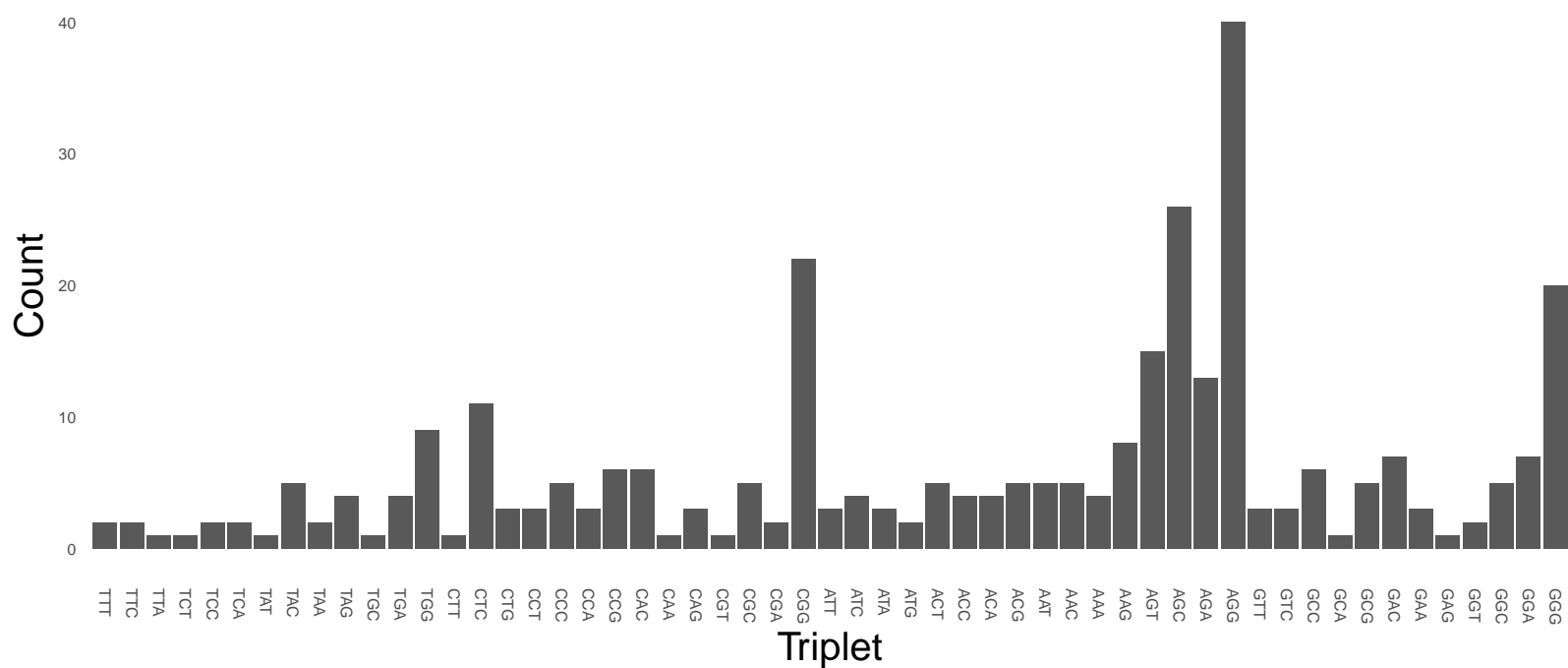
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

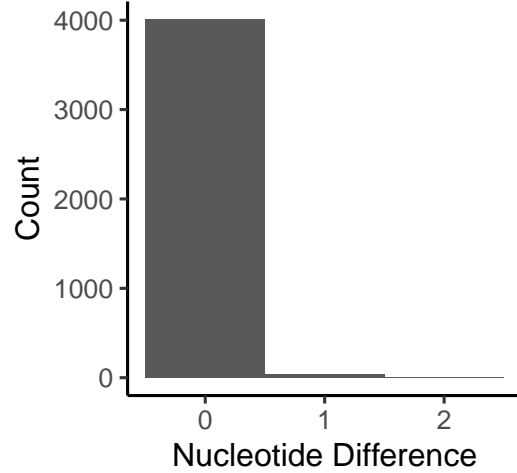


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



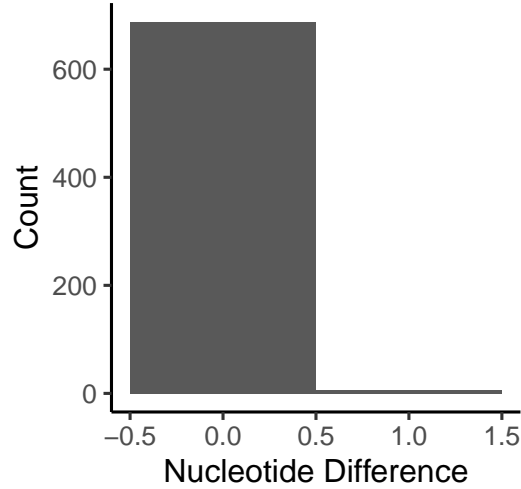
TRBV20-1*ap01

4052 sequences assigned
4009 (98.9%) exact matches, in which:
3946 unique CDR3
13 unique J



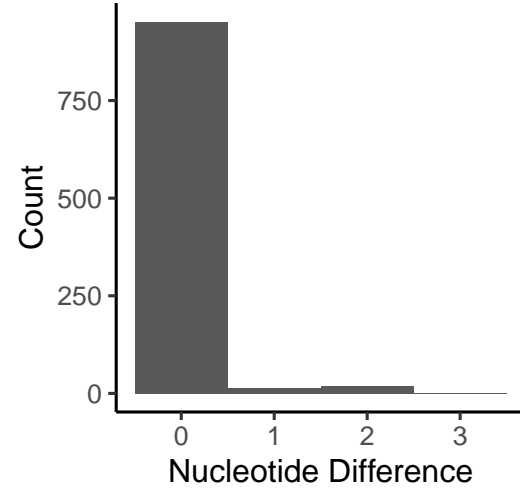
TRBV10-2*ap01

695 sequences assigned
688 (99%) exact matches, in which:
681 unique CDR3
13 unique J



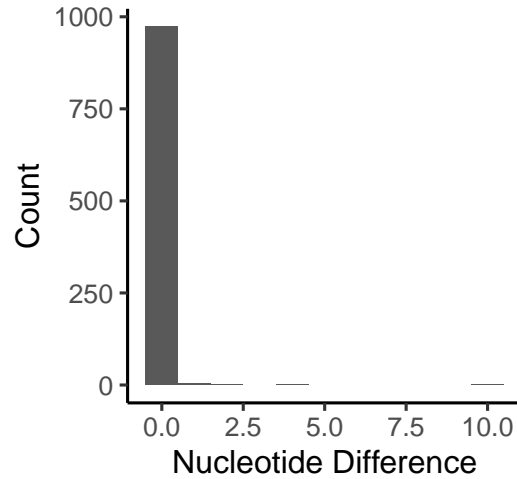
TRBV13*ap01

985 sequences assigned
952 (96.6%) exact matches, in which:
917 unique CDR3
13 unique J



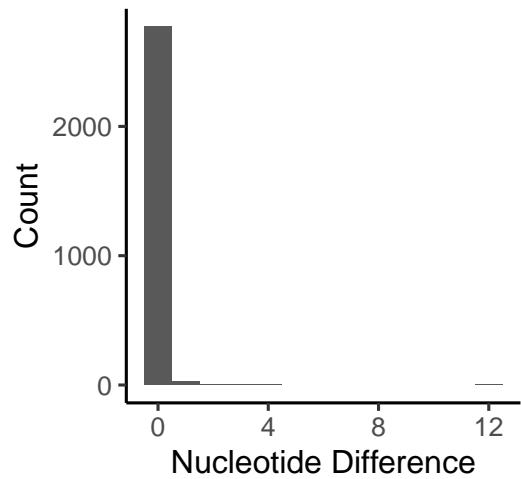
TRBV10-1*ap01

982 sequences assigned
973 (99.1%) exact matches, in which:
940 unique CDR3
13 unique J



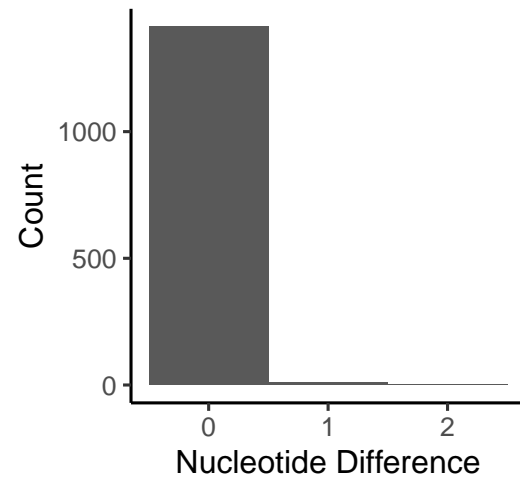
TRBV10-3*ap01

2806 sequences assigned
2771 (98.8%) exact matches, in which:
2692 unique CDR3
13 unique J



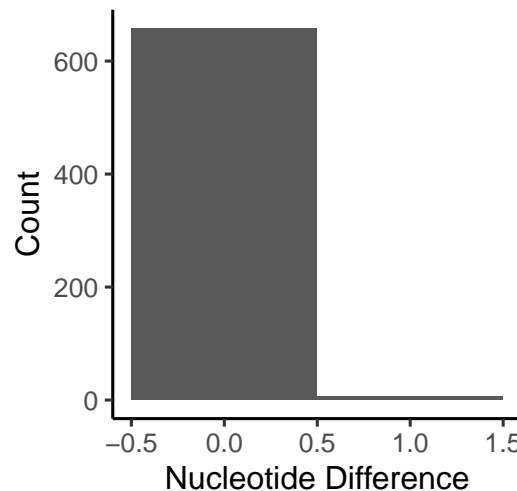
TRBV14*ap01

1424 sequences assigned
1414 (99.3%) exact matches, in which:
1400 unique CDR3
13 unique J



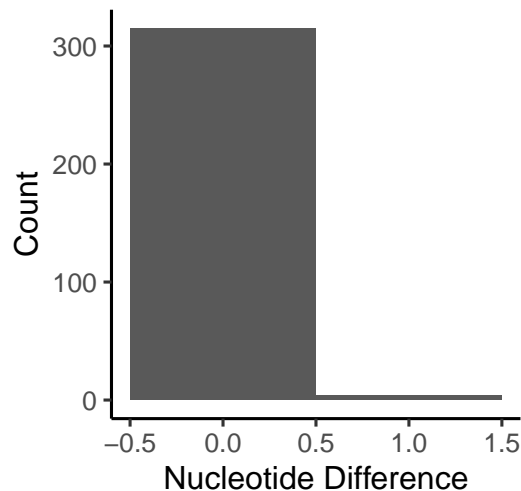
TRBV20-1*ap02

665 sequences assigned
658 (98.9%) exact matches, in which:
640 unique CDR3
13 unique J



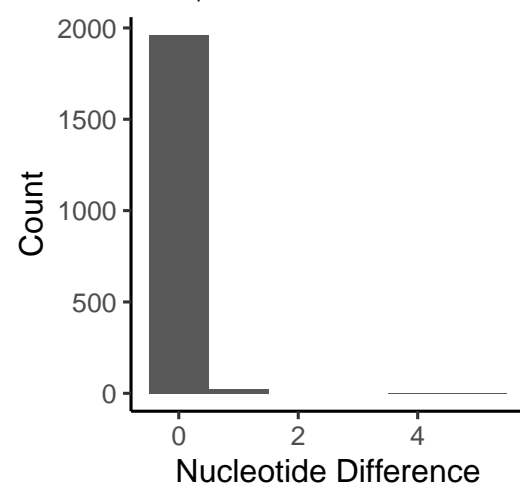
TRBV1*ap01

319 sequences assigned
315 (98.7%) exact matches, in which:
309 unique CDR3
13 unique J



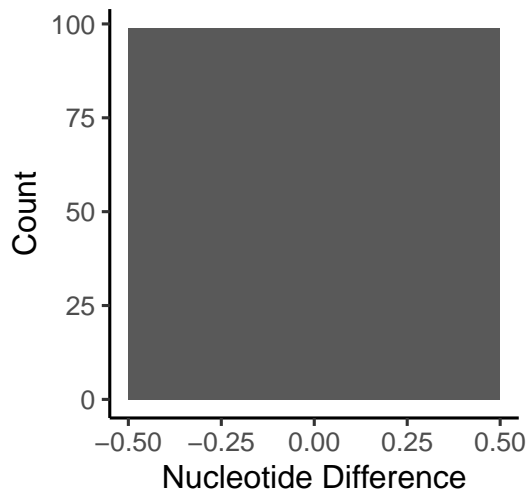
TRBV15*ap02

1986 sequences assigned
1961 (98.7%) exact matches, in which:
1909 unique CDR3
13 unique J



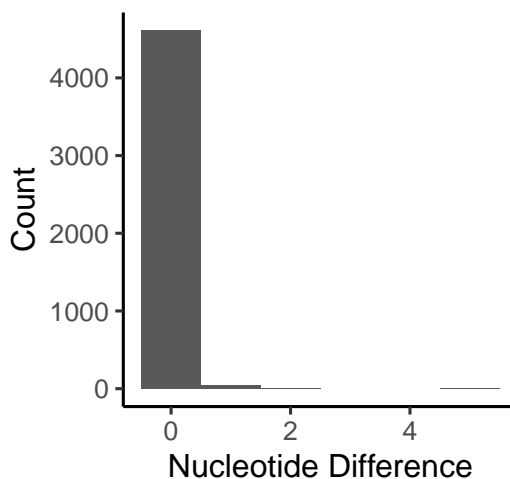
TRBV16*ap01

99 sequences assigned
99 (100%) exact matches, in which:
99 unique CDR3
12 unique J



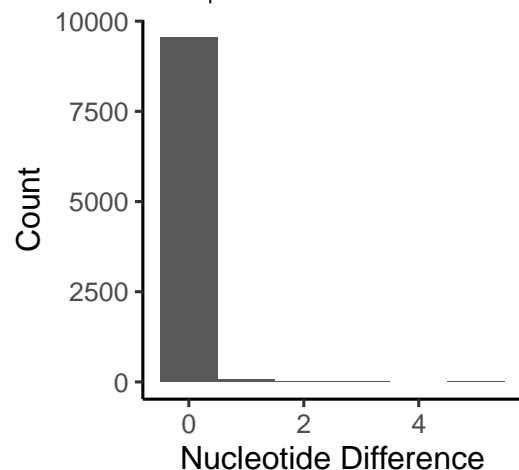
TRBV2*ap01

4666 sequences assigned
4611 (98.8%) exact matches, in which:
4485 unique CDR3
13 unique J



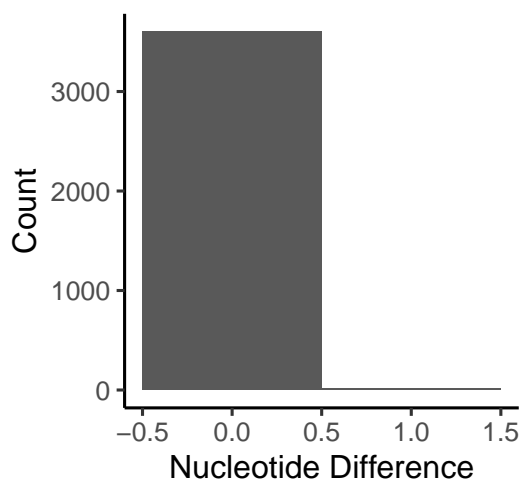
TRBV28*ap01

9647 sequences assigned
9557 (99.1%) exact matches, in which:
9394 unique CDR3
13 unique J



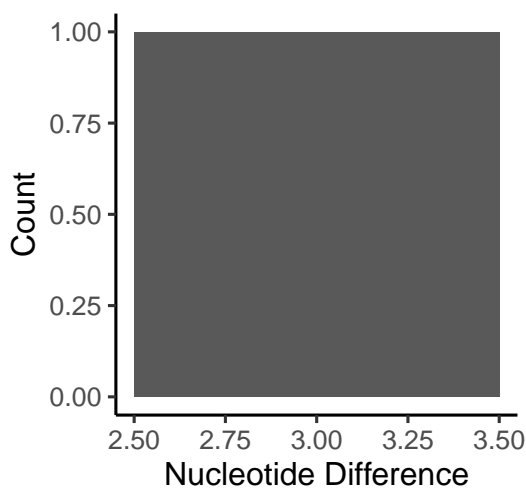
TRBV18*ap01

3617 sequences assigned
3601 (99.6%) exact matches, in which:
3570 unique CDR3
13 unique J



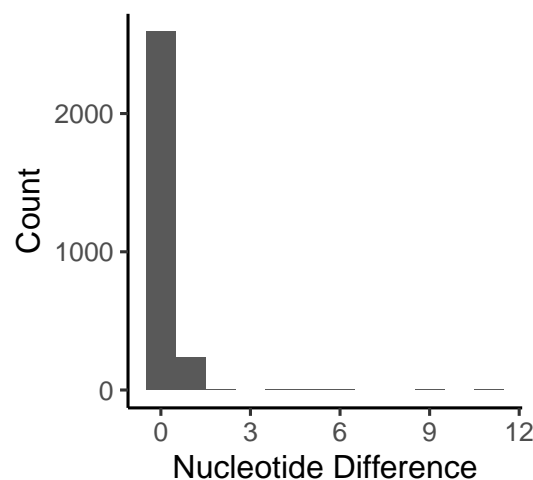
TRBV26*ap01

1 sequences assigned
No exact matches.



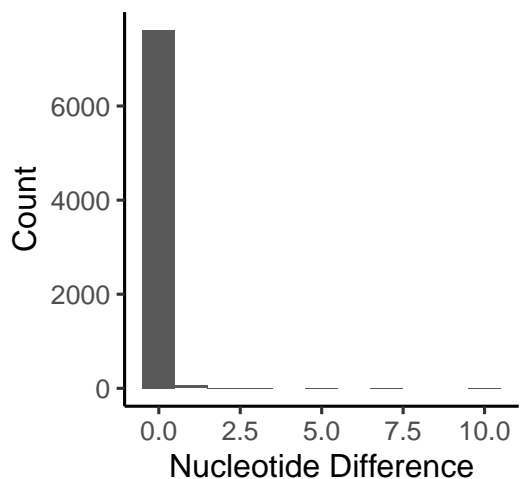
TRBV30*ap01

2840 sequences assigned
2592 (91.3%) exact matches, in which:
2538 unique CDR3
13 unique J



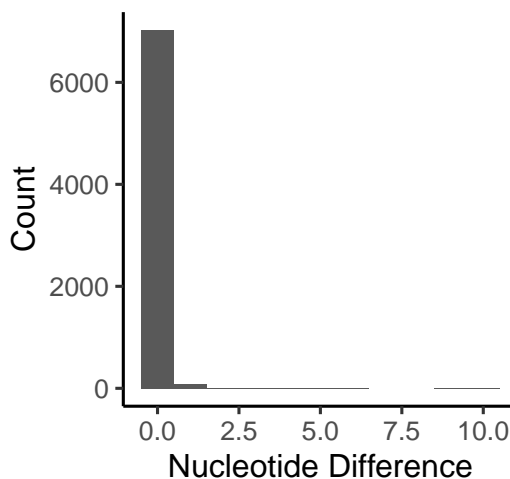
TRBV19*ap01

7681 sequences assigned
7615 (99.1%) exact matches, in which:
7539 unique CDR3
13 unique J



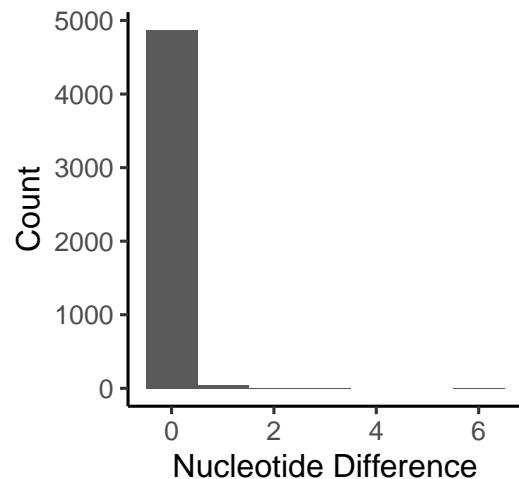
TRBV27*ap01

7130 sequences assigned
7026 (98.5%) exact matches, in which:
6799 unique CDR3
13 unique J



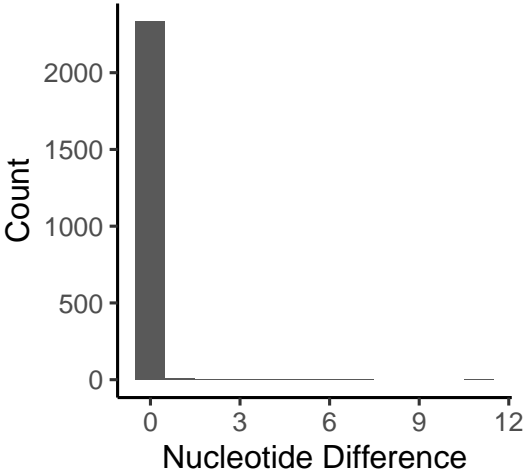
TRBV9*ap01

4917 sequences assigned
4870 (99%) exact matches, in which:
4799 unique CDR3
13 unique J



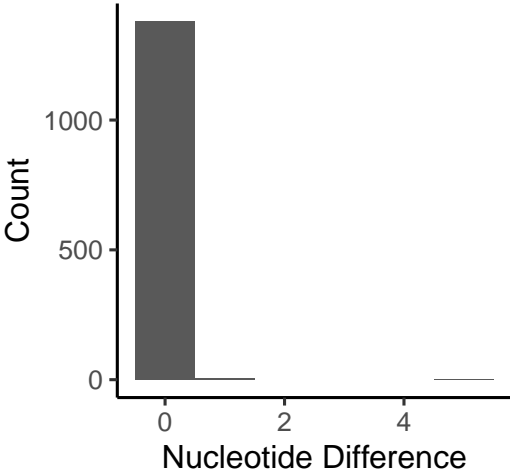
TRBV21-1*ap01

2356 sequences assigned
2334 (99.1%) exact matches, in which:
2310 unique CDR3
13 unique J



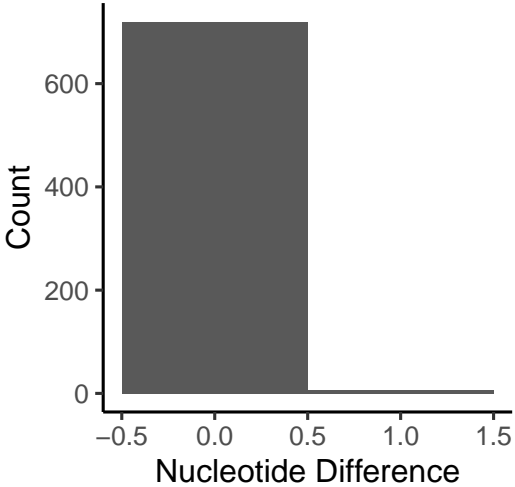
TRBV11-3*ap01

1387 sequences assigned
1380 (99.5%) exact matches, in which:
1362 unique CDR3
13 unique J



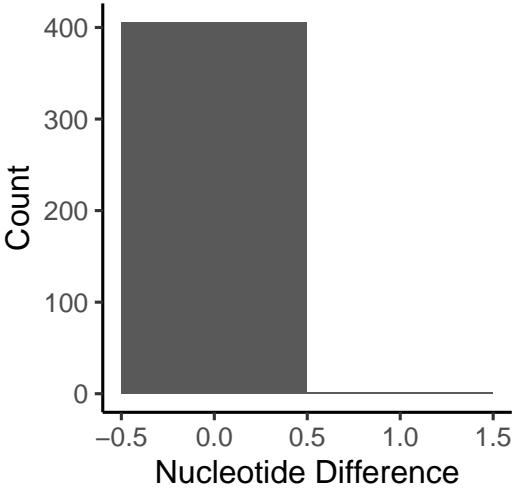
TRBV12-5*ap01

726 sequences assigned
720 (99.2%) exact matches, in which:
711 unique CDR3
13 unique J



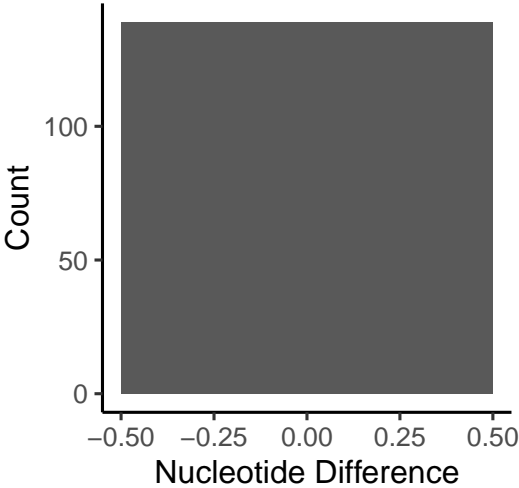
TRBV11-1*ap01

408 sequences assigned
406 (99.5%) exact matches, in which:
399 unique CDR3
13 unique J



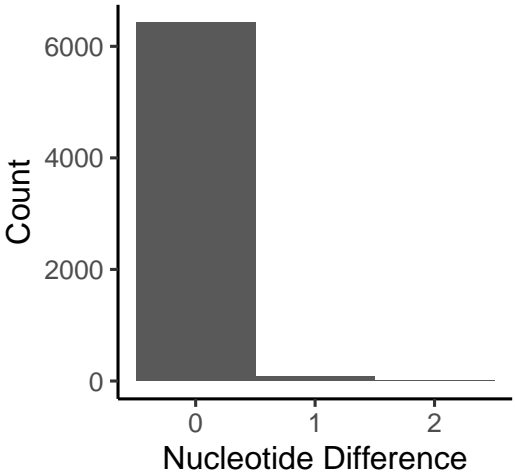
TRBV12-1*ap01

139 sequences assigned
139 (100%) exact matches, in which:
138 unique CDR3
14 unique J



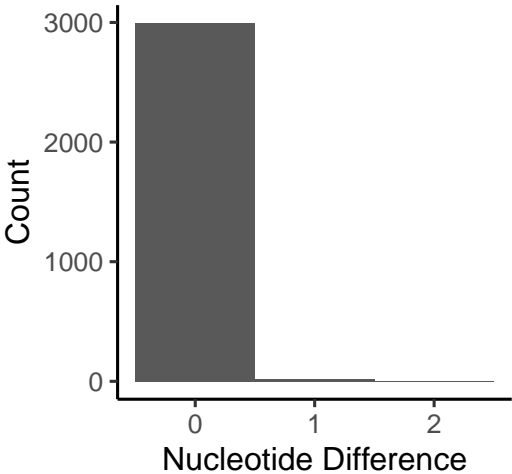
TRBV12-34*ap01

6504 sequences assigned
6423 (98.8%) exact matches, in which:
6274 unique CDR3
13 unique J



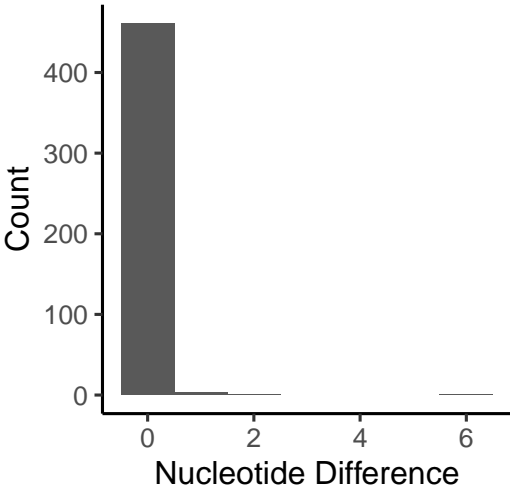
TRBV11-2*ap01

3016 sequences assigned
2995 (99.3%) exact matches, in which:
2962 unique CDR3
13 unique J



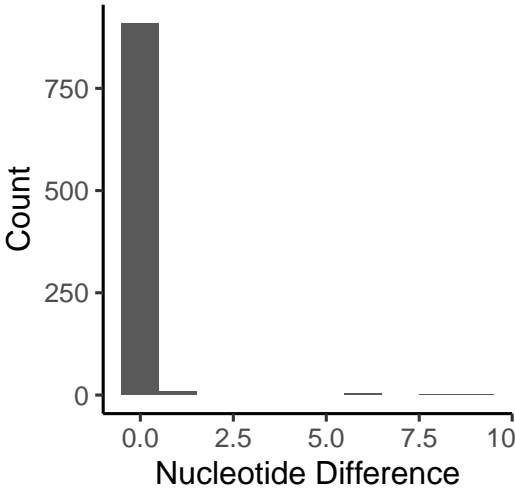
TRBV12-2*ap01

466 sequences assigned
461 (98.9%) exact matches, in which:
456 unique CDR3
13 unique J



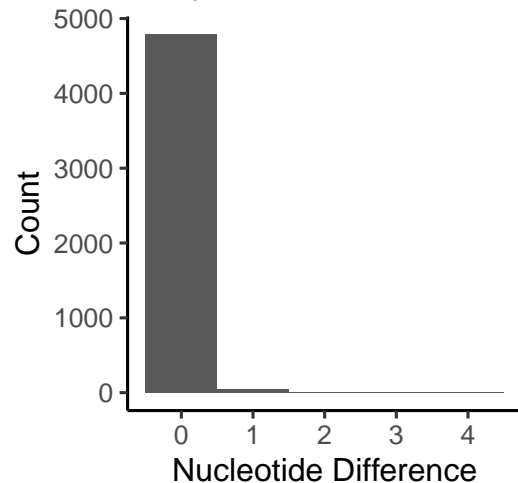
TRBV23-1*ap01

922 sequences assigned
909 (98.6%) exact matches, in which:
899 unique CDR3
13 unique J



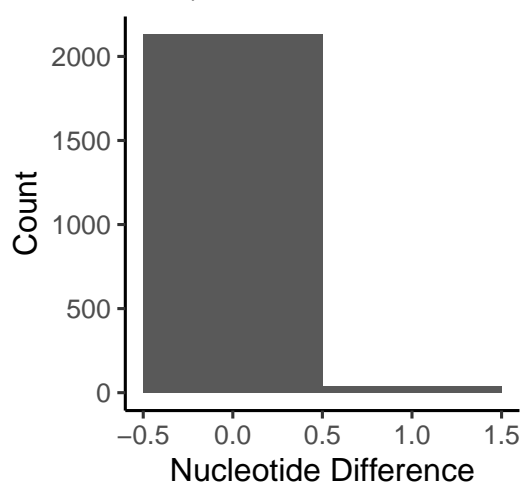
TRBV3-12*ap01

4838 sequences assigned
4788 (99%) exact matches, in which:
4687 unique CDR3
13 unique J



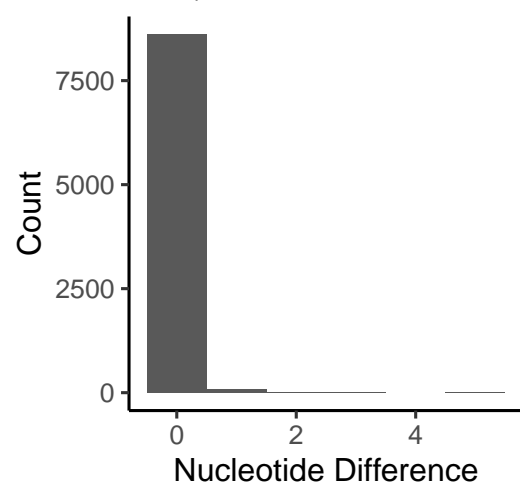
TRBV4-2*ap01

2168 sequences assigned
2131 (98.3%) exact matches, in which:
2062 unique CDR3
13 unique J



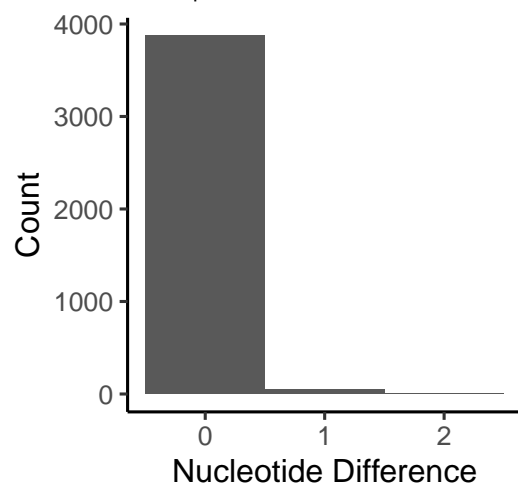
TRBV5-1*ap01

8696 sequences assigned
8611 (99%) exact matches, in which:
8333 unique CDR3
13 unique J



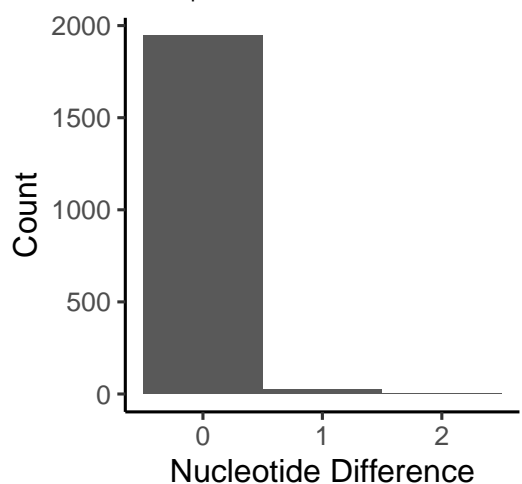
TRBV4-1*ap01

3928 sequences assigned
3873 (98.6%) exact matches, in which:
3751 unique CDR3
13 unique J



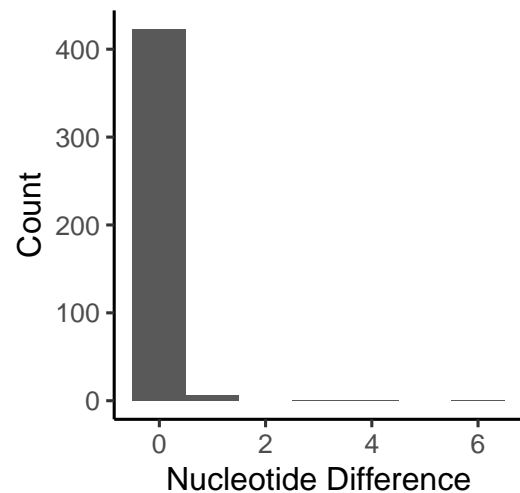
TRBV4-3*ap01

1970 sequences assigned
1945 (98.7%) exact matches, in which:
1895 unique CDR3
13 unique J



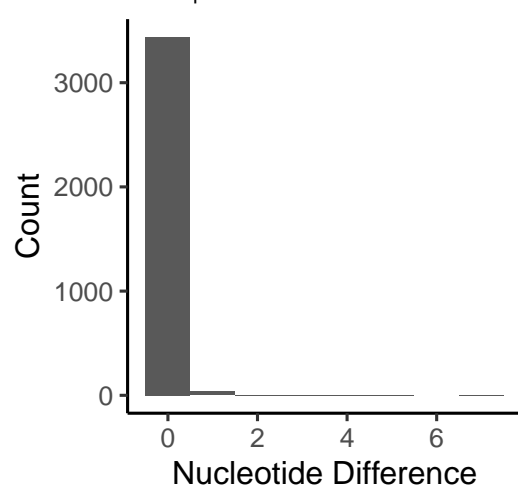
TRBV5-3*ap01

432 sequences assigned
423 (97.9%) exact matches, in which:
419 unique CDR3
13 unique J



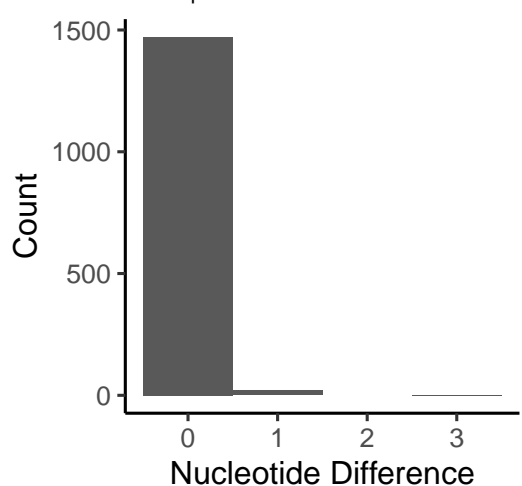
TRBV24-1*ap01

3486 sequences assigned
3438 (98.6%) exact matches, in which:
3347 unique CDR3
14 unique J



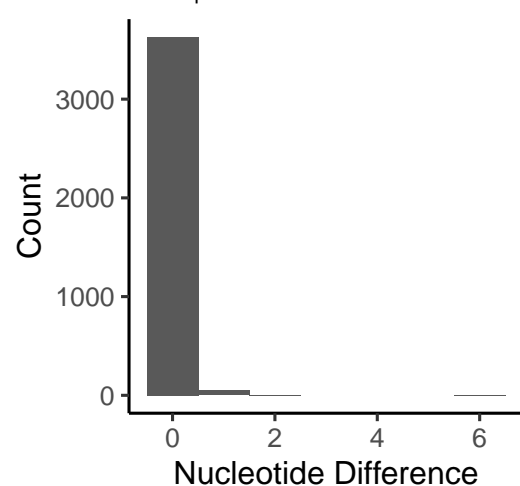
TRBV25-1*ap01

1492 sequences assigned
1471 (98.6%) exact matches, in which:
1425 unique CDR3
13 unique J



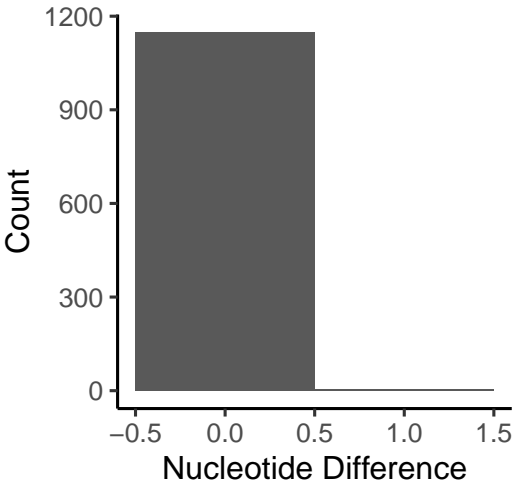
TRBV5-4*ap01

3679 sequences assigned
3629 (98.6%) exact matches, in which:
3522 unique CDR3
13 unique J



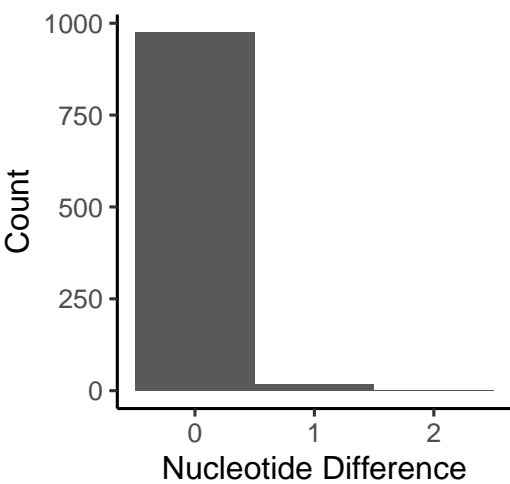
TRBV5-5*ap01

1154 sequences assigned
1148 (99.5%) exact matches, in which:
1135 unique CDR3
13 unique J



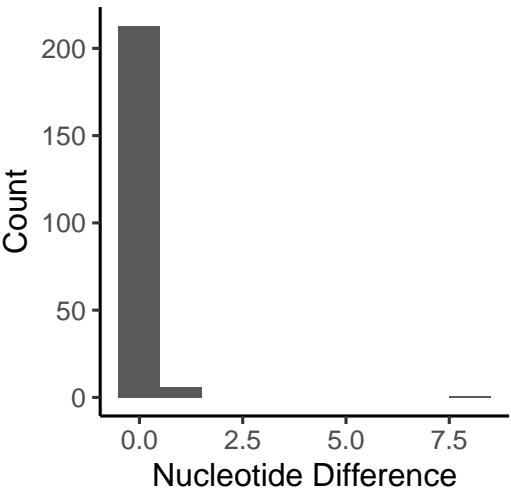
TRBV5-8*ap01

995 sequences assigned
975 (98%) exact matches, in which:
949 unique CDR3
13 unique J



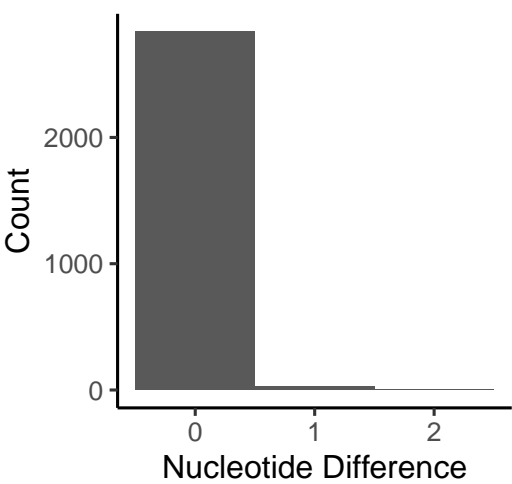
TRBV6-7*ap01

220 sequences assigned
213 (96.8%) exact matches, in which:
206 unique CDR3
13 unique J



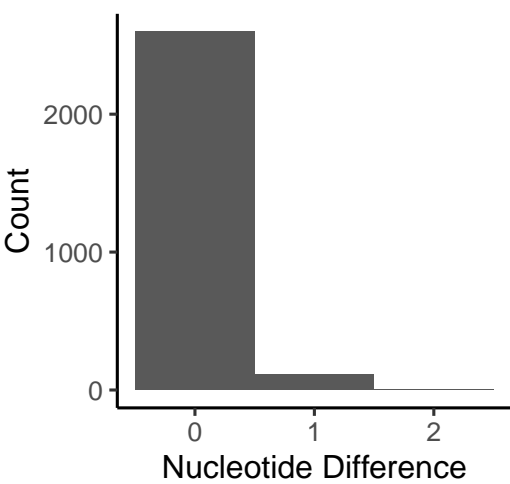
TRBV5-6*ap01

2868 sequences assigned
2837 (98.9%) exact matches, in which:
2720 unique CDR3
13 unique J



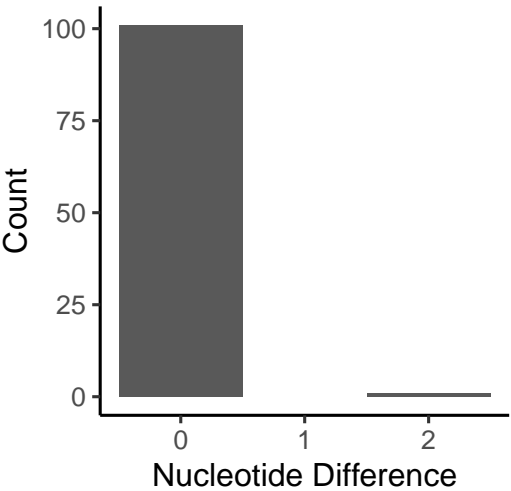
TRBV6-1*ap01

2714 sequences assigned
2598 (95.7%) exact matches, in which:
2511 unique CDR3
13 unique J



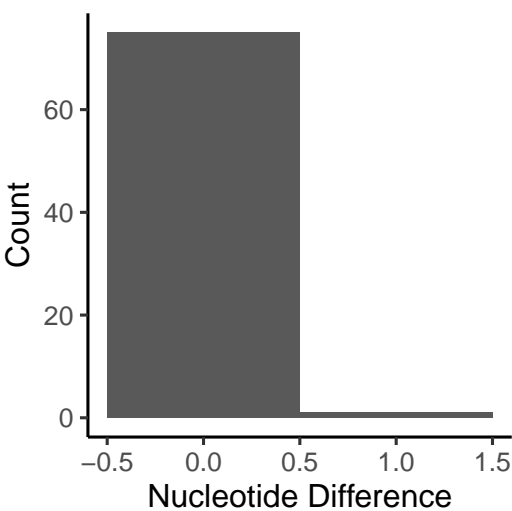
TRBV6-8*ap01

102 sequences assigned
101 (99%) exact matches, in which:
100 unique CDR3
12 unique J



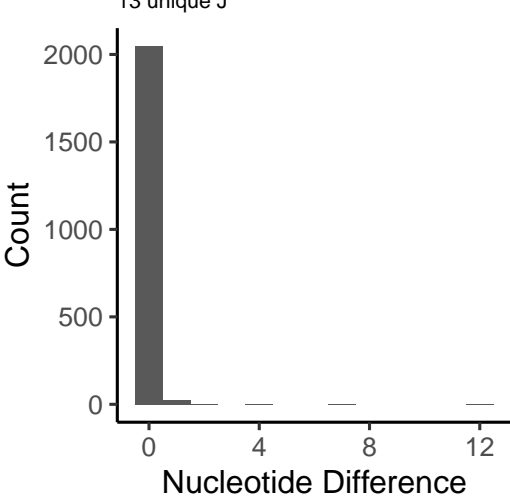
TRBV5-7*ap01

76 sequences assigned
75 (98.7%) exact matches, in which:
74 unique CDR3
12 unique J



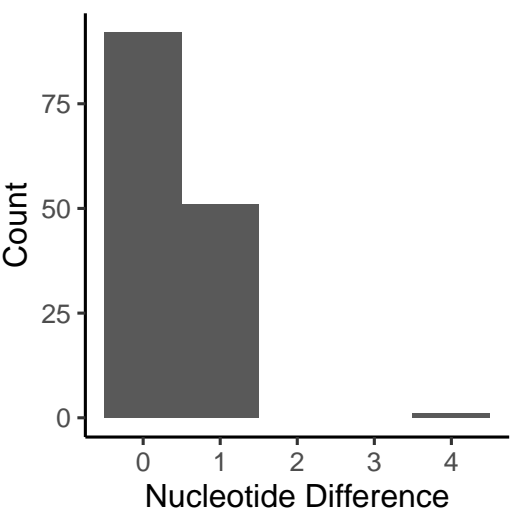
TRBV6-4*ap01

2078 sequences assigned
2048 (98.6%) exact matches, in which:
2024 unique CDR3
13 unique J



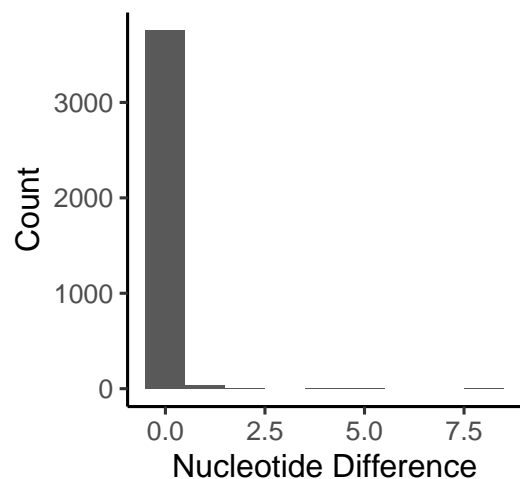
TRBV6-9*ap01

144 sequences assigned
92 (63.9%) exact matches, in which:
91 unique CDR3
13 unique J



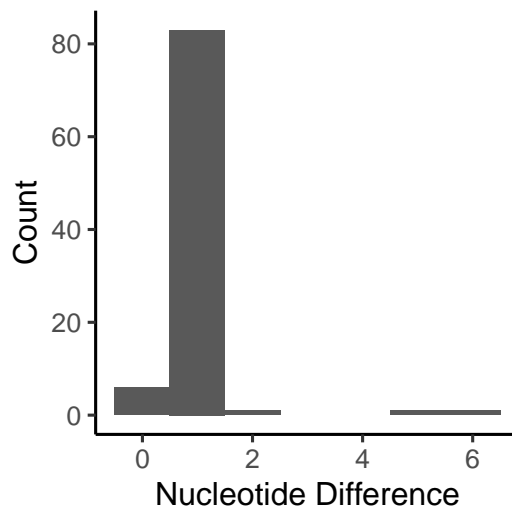
TRBV6-23*ap01

3796 sequences assigned
3755 (98.9%) exact matches, in which:
3620 unique CDR3
13 unique J



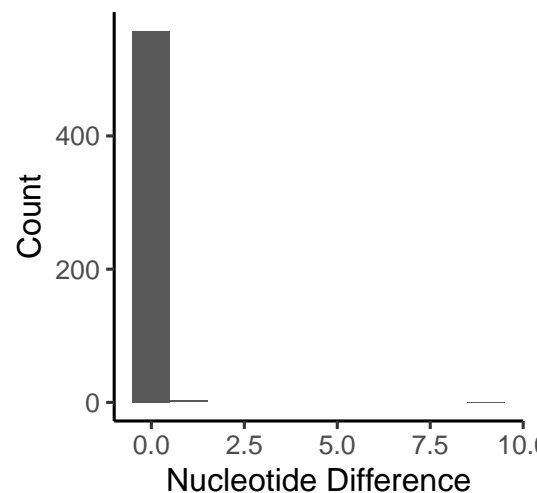
TRBV7-1*ap01_T296C

92 sequences assigned
6 (6.5%) exact matches, in which:
6 unique CDR3
5 unique J



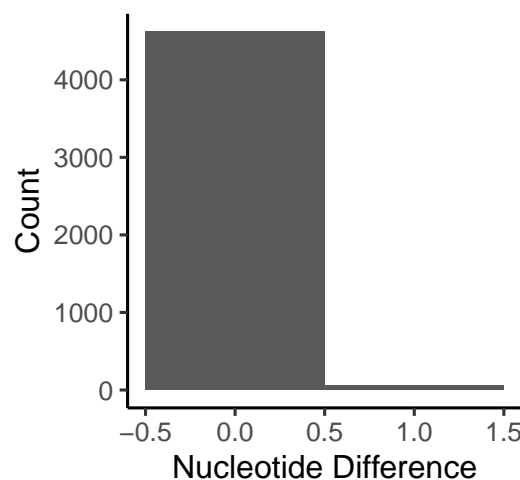
TRBV7-3*ap03

562 sequences assigned
558 (99.3%) exact matches, in which:
550 unique CDR3
13 unique J



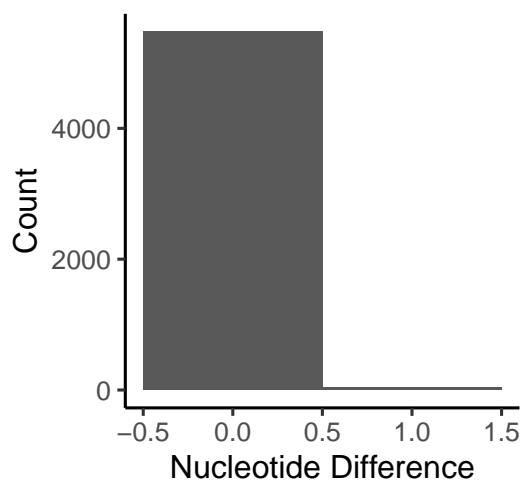
TRBV6-56*ap01

4675 sequences assigned
4620 (98.8%) exact matches, in which:
4452 unique CDR3
13 unique J



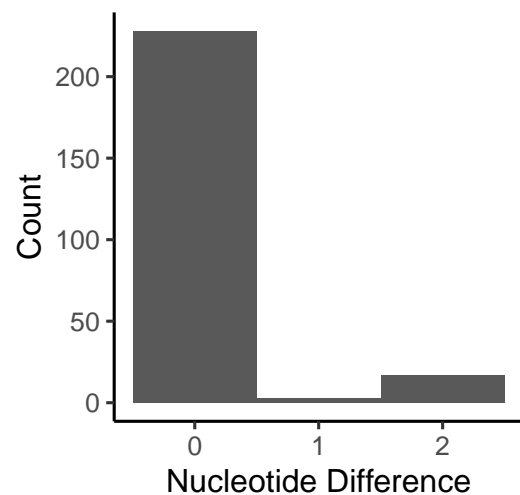
TRBV7-2*ap01

5518 sequences assigned
5477 (99.3%) exact matches, in which:
5395 unique CDR3
13 unique J



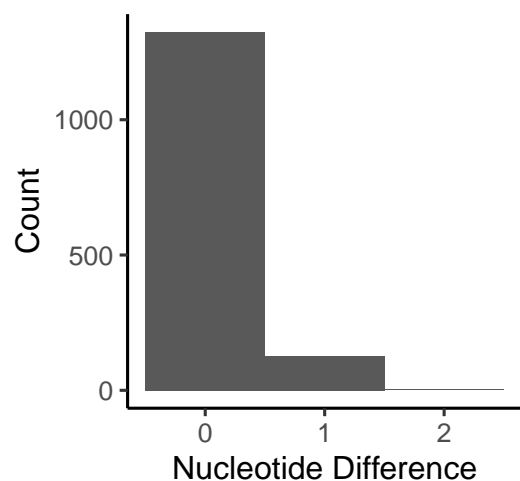
TRBV7-4*ap01

248 sequences assigned
228 (91.9%) exact matches, in which:
223 unique CDR3
13 unique J



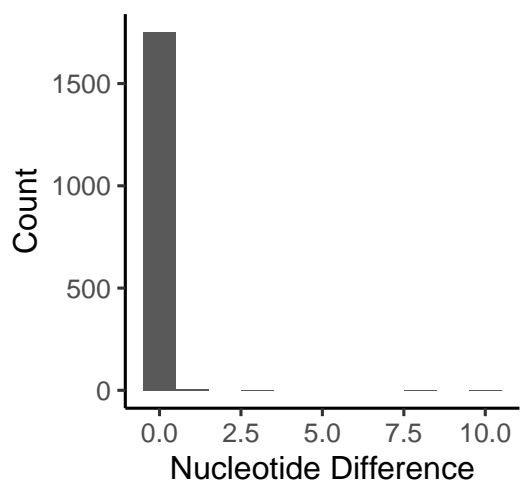
TRBV6-56*ap02

1453 sequences assigned
1324 (91.1%) exact matches, in which:
1269 unique CDR3
13 unique J



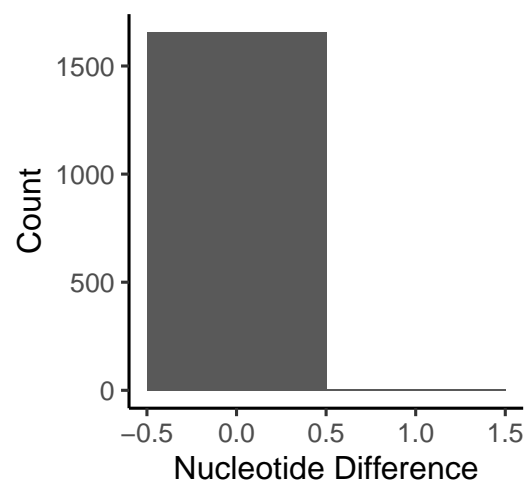
TRBV7-3*ap01

1763 sequences assigned
1752 (99.4%) exact matches, in which:
1732 unique CDR3
13 unique J



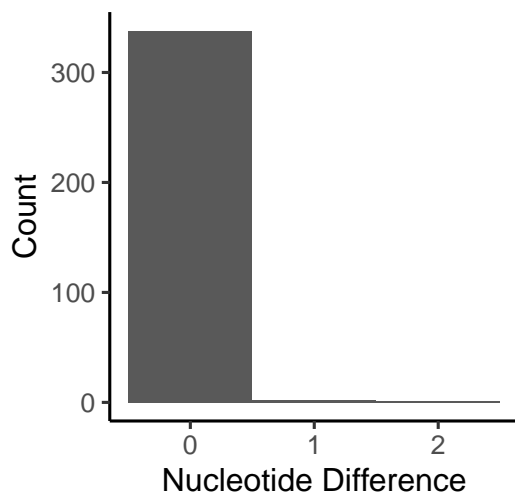
TRBV7-6*ap01

1664 sequences assigned
1657 (99.6%) exact matches, in which:
1615 unique CDR3
13 unique J



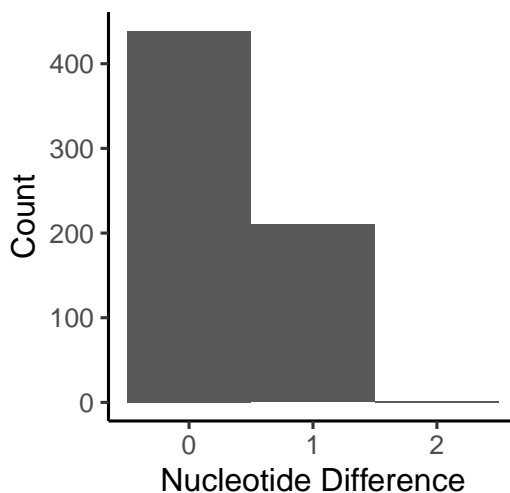
TRBV7-7*ap01

341 sequences assigned
338 (99.1%) exact matches, in which:
335 unique CDR3
13 unique J



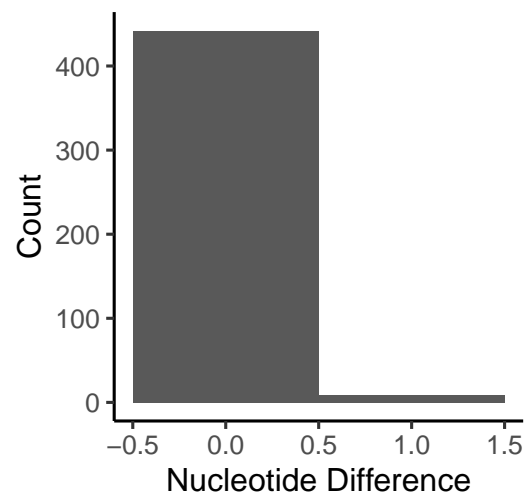
TRBV7-8*ap03

651 sequences assigned
439 (67.4%) exact matches, in which:
432 unique CDR3
13 unique J



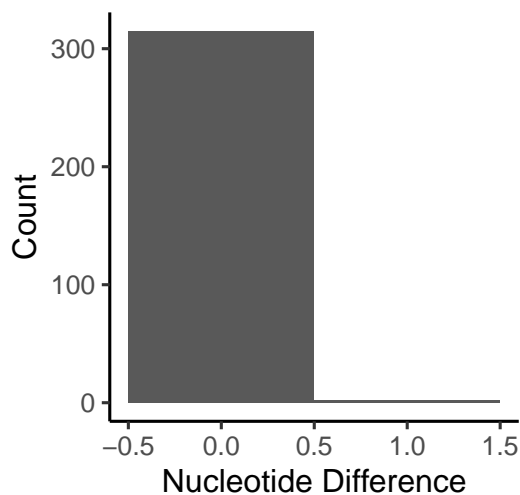
TRBV29-1*ap02

451 sequences assigned
442 (98%) exact matches, in which:
426 unique CDR3
13 unique J



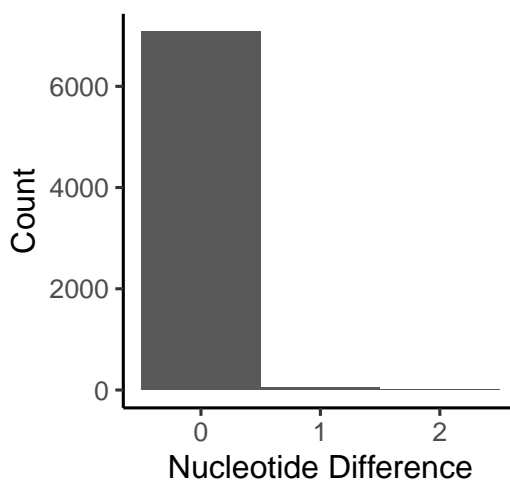
TRBV7-7*ap01_C315T

317 sequences assigned
315 (99.4%) exact matches, in which:
310 unique CDR3
13 unique J



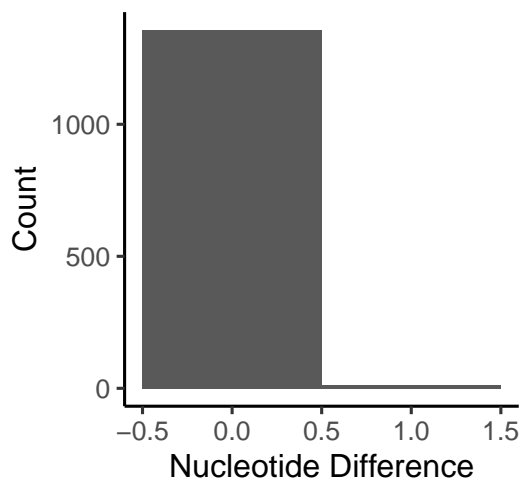
TRBV7-9*ap01

7126 sequences assigned
7079 (99.3%) exact matches, in which:
6934 unique CDR3
13 unique J



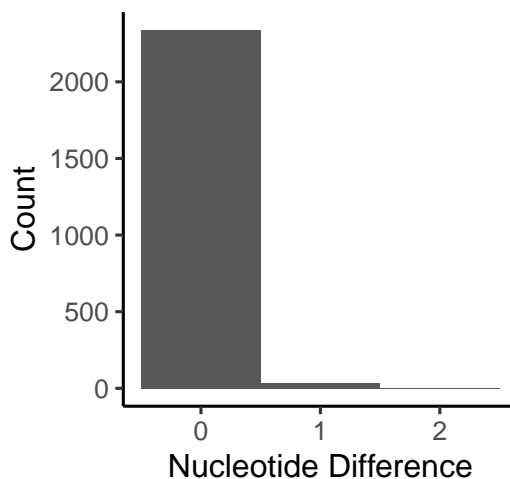
TRBV7-8*ap01

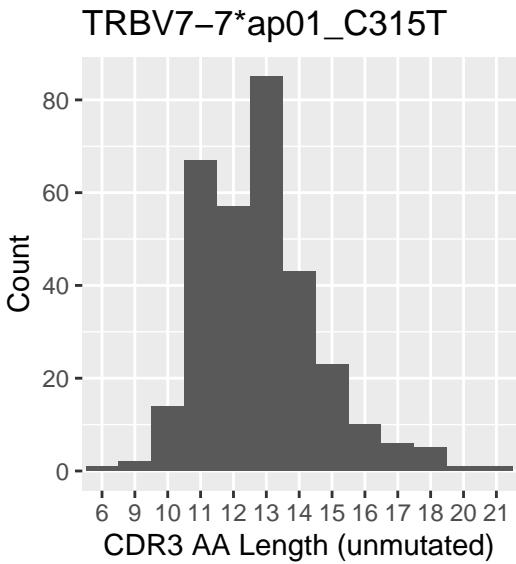
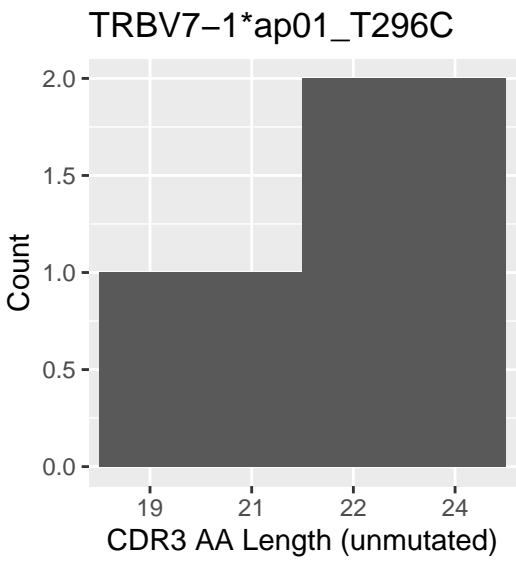
1370 sequences assigned
1357 (99.1%) exact matches, in which:
1322 unique CDR3
13 unique J



TRBV29-1*ap01

2373 sequences assigned
2338 (98.5%) exact matches, in which:
2260 unique CDR3
13 unique J







[illegible]