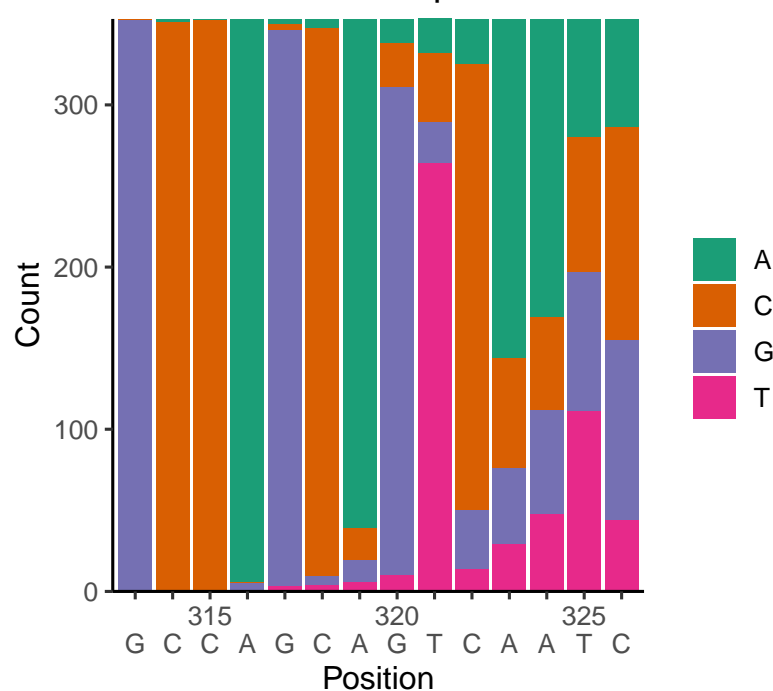
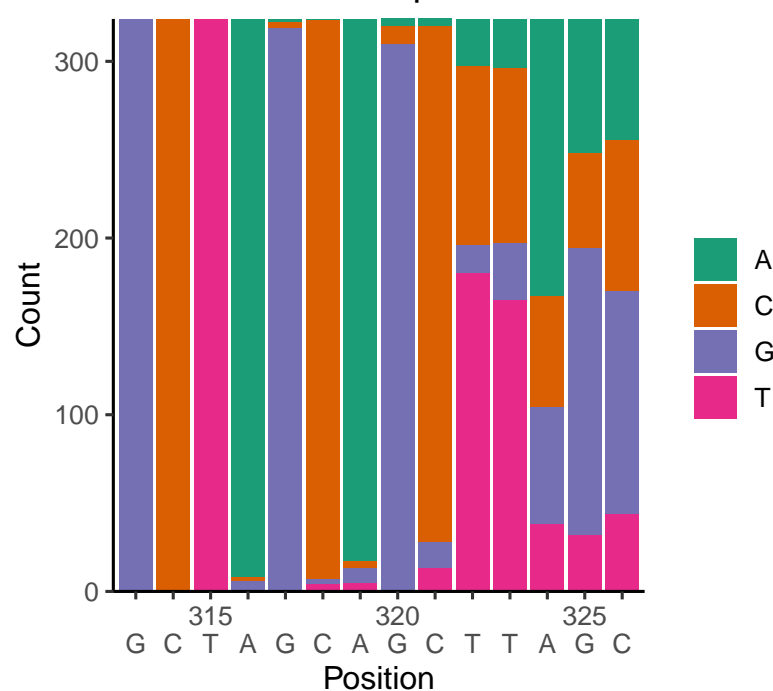


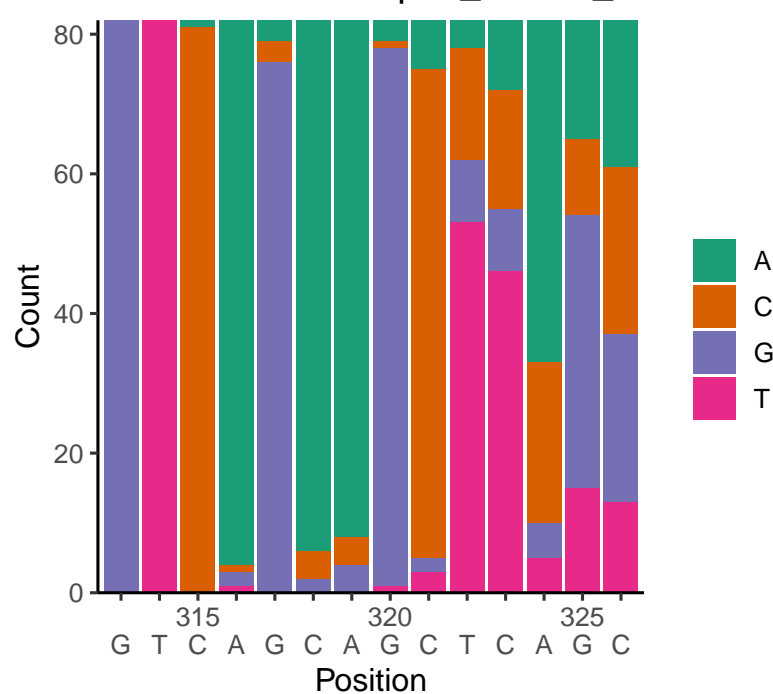
Gene TRBV23-1*ap01_T304C



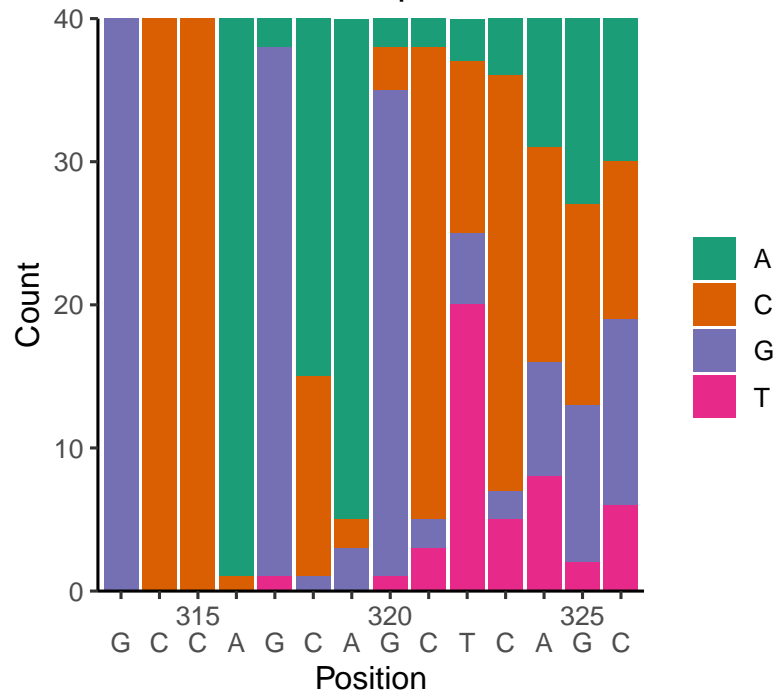
Gene TRBV7-7*ap01_C315T



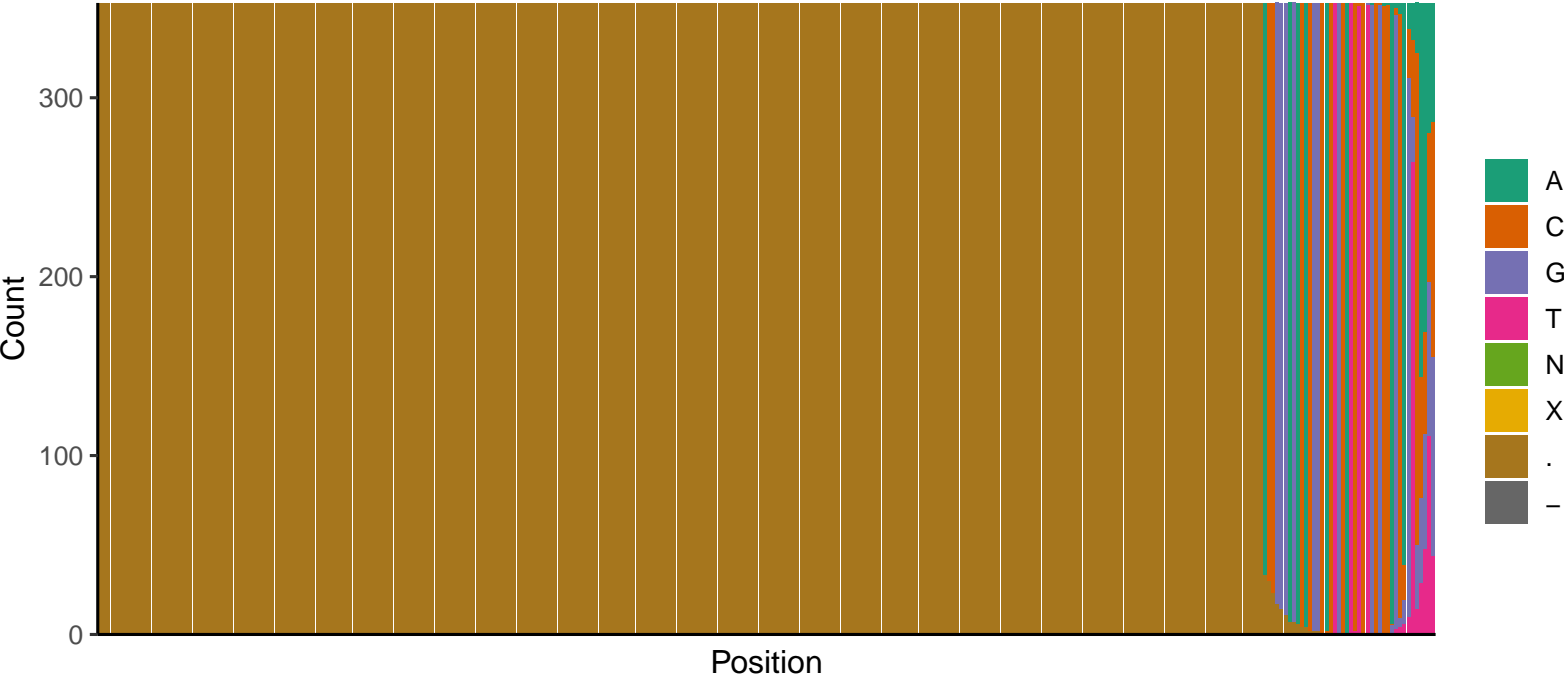
Gene TRBV7-1*ap01_T296C_C314T



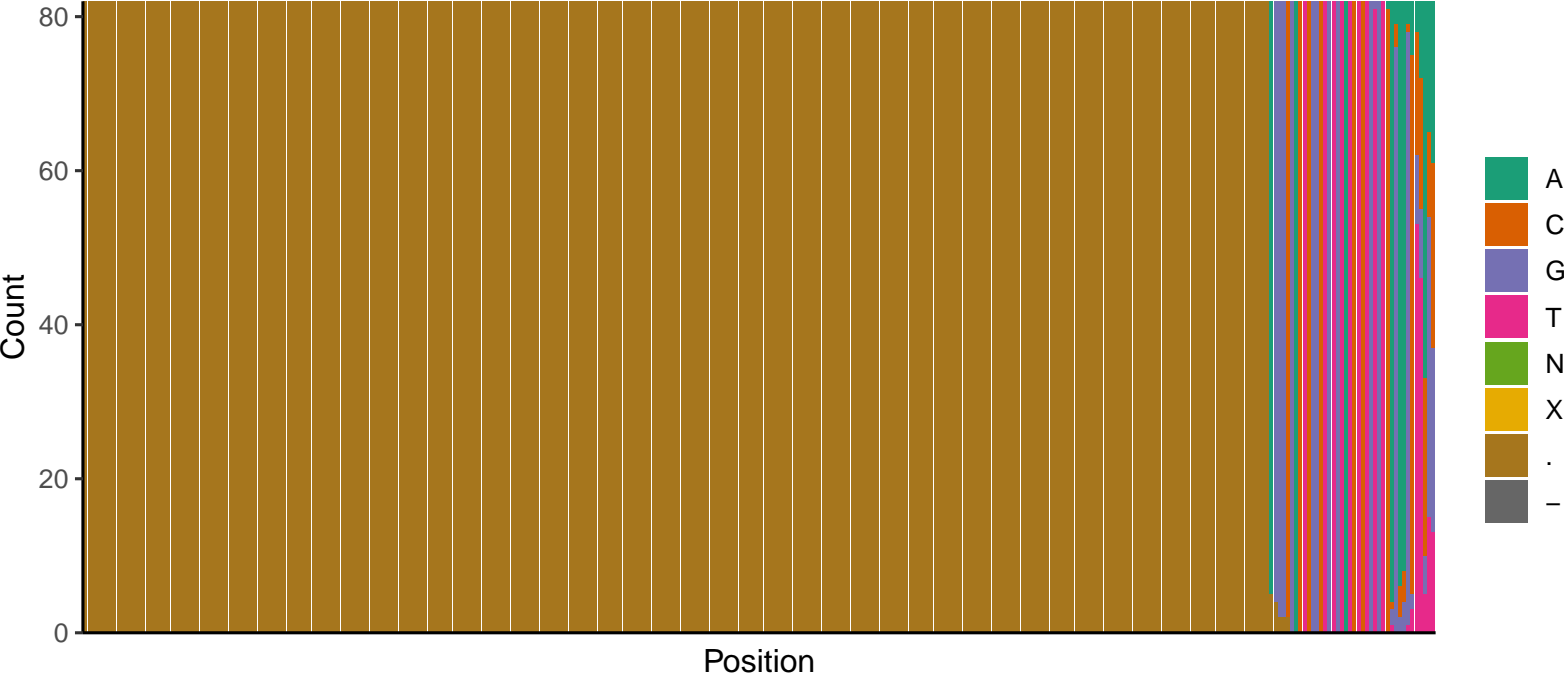
Gene TRBV7-1*ap01_T296C



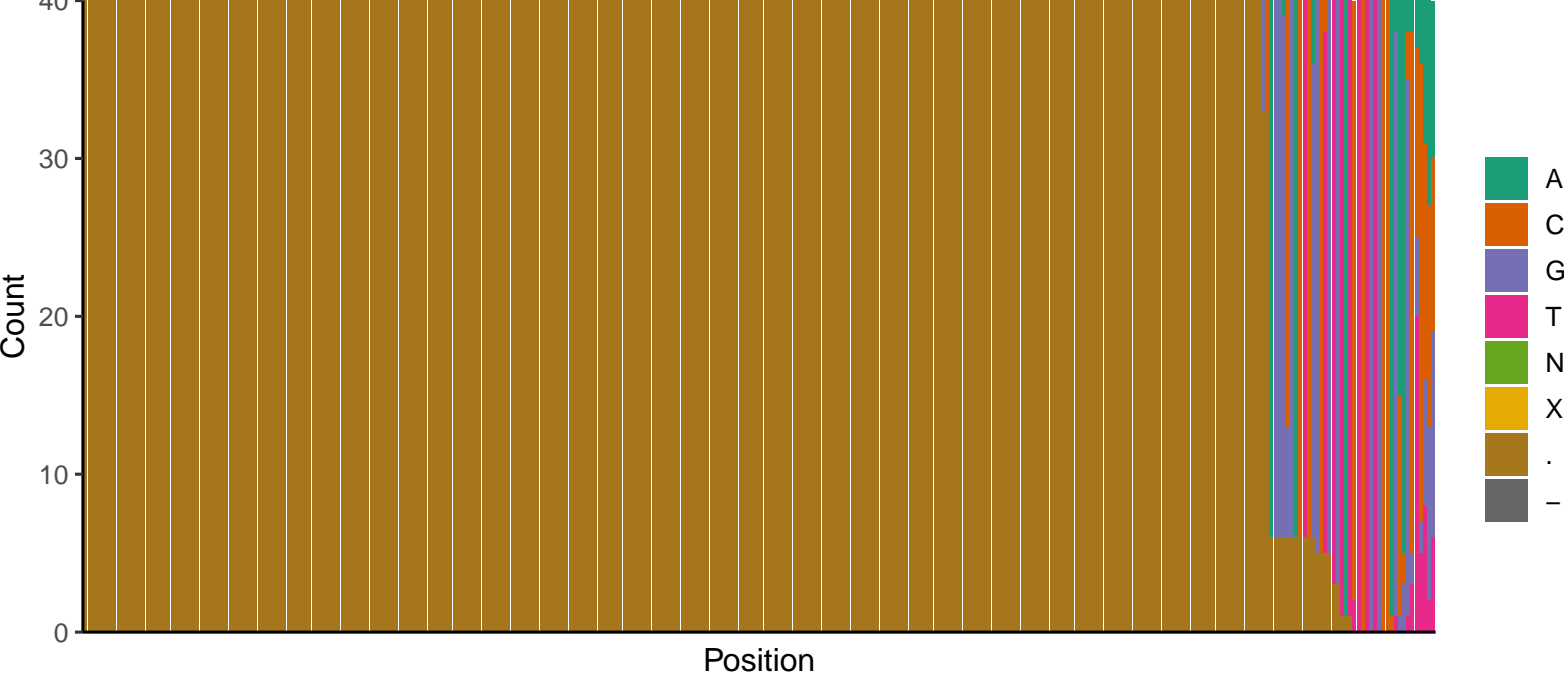
Gene TRBV23-1*ap01_T304C



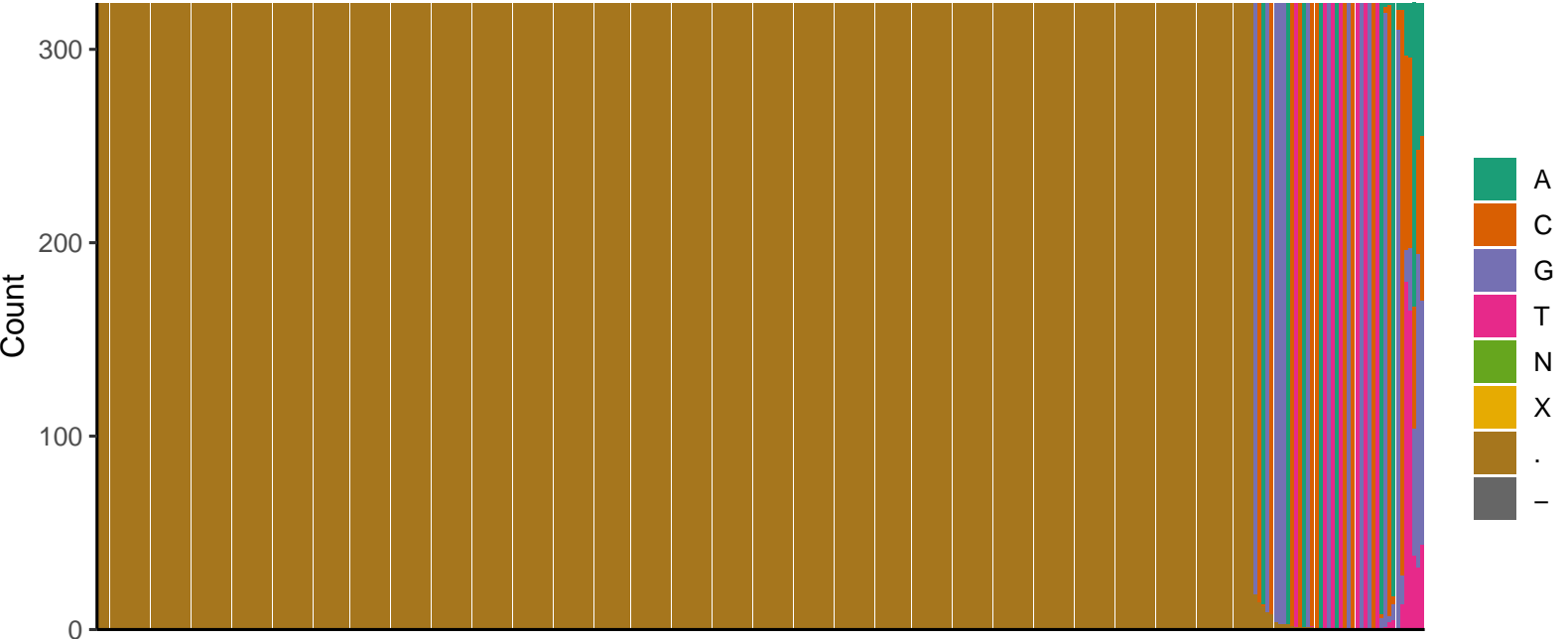
Gene TRBV7-1*ap01_T296C_C314T



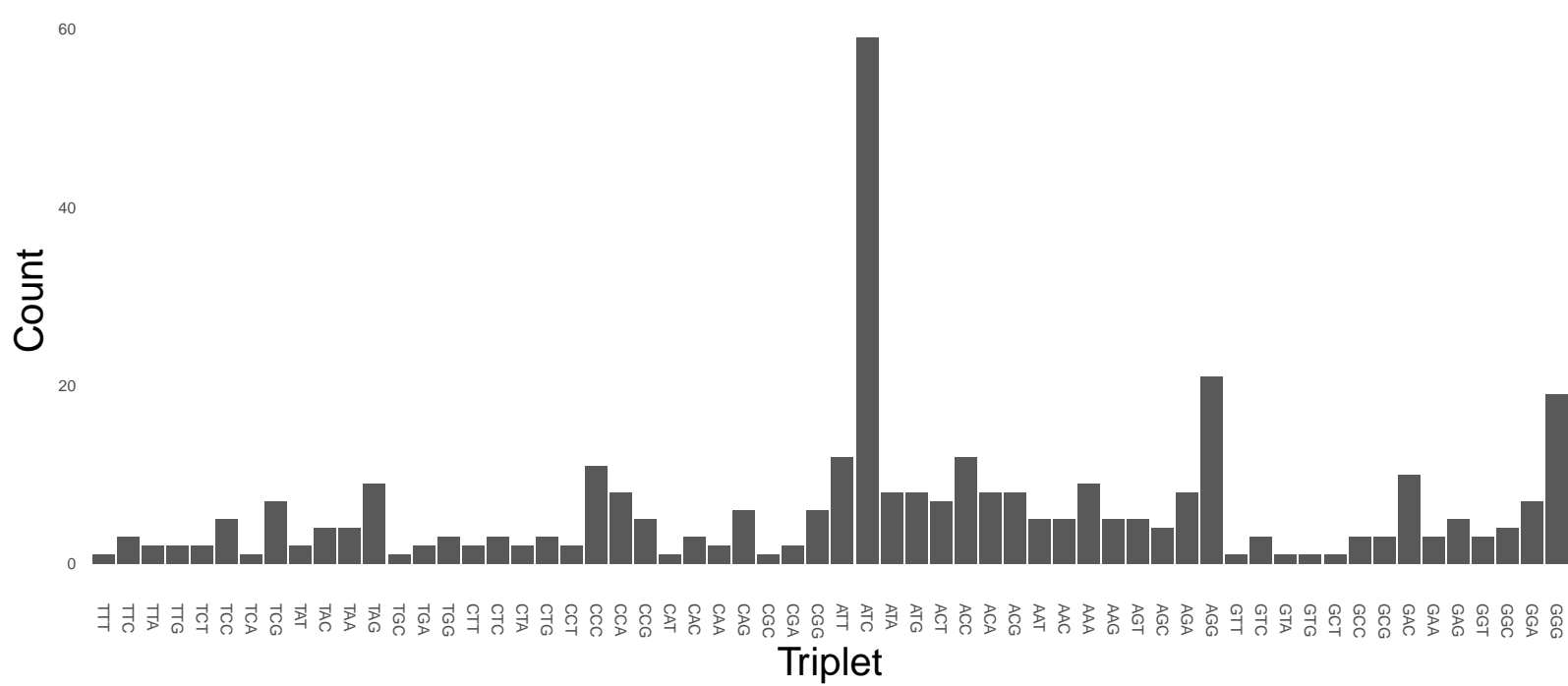
Gene TRBV7-1*ap01_T296C



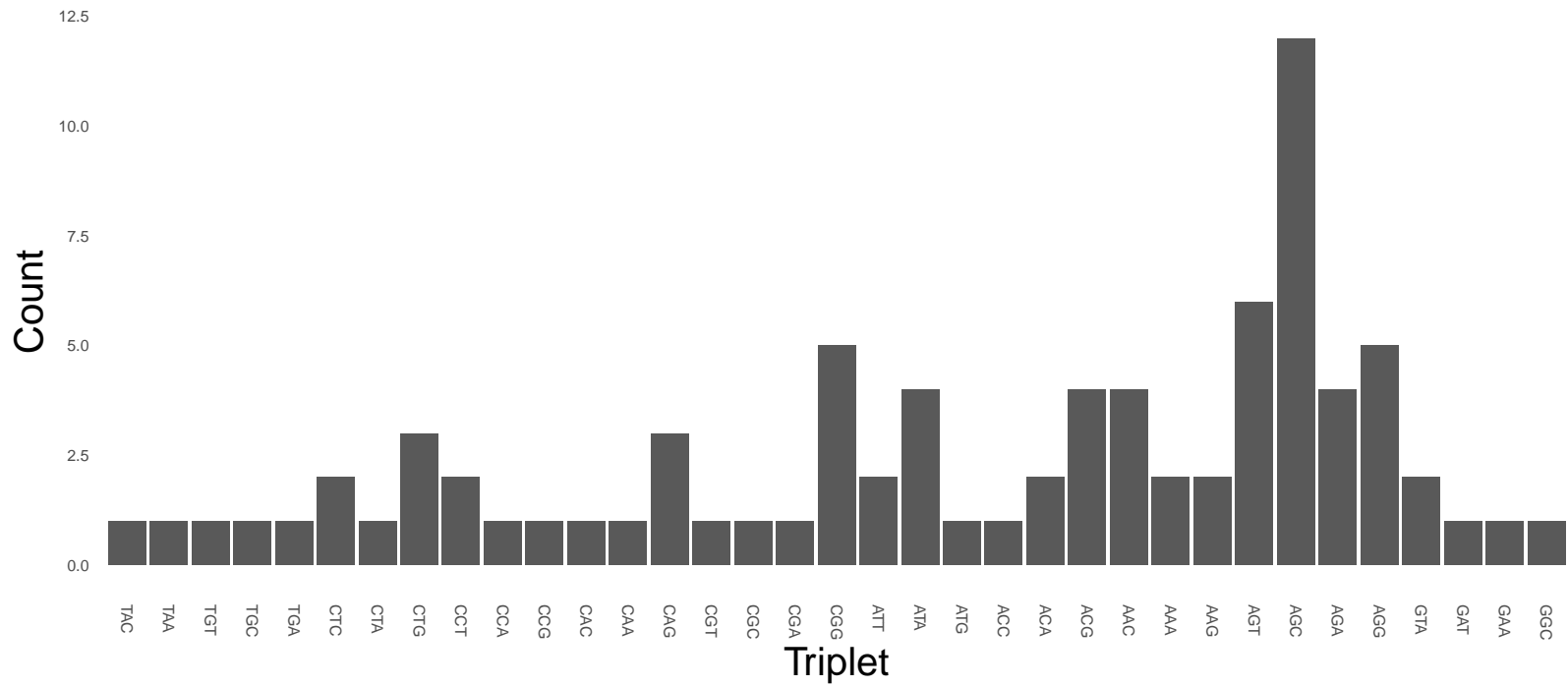
Gene TRBV7-7*ap01_C315T



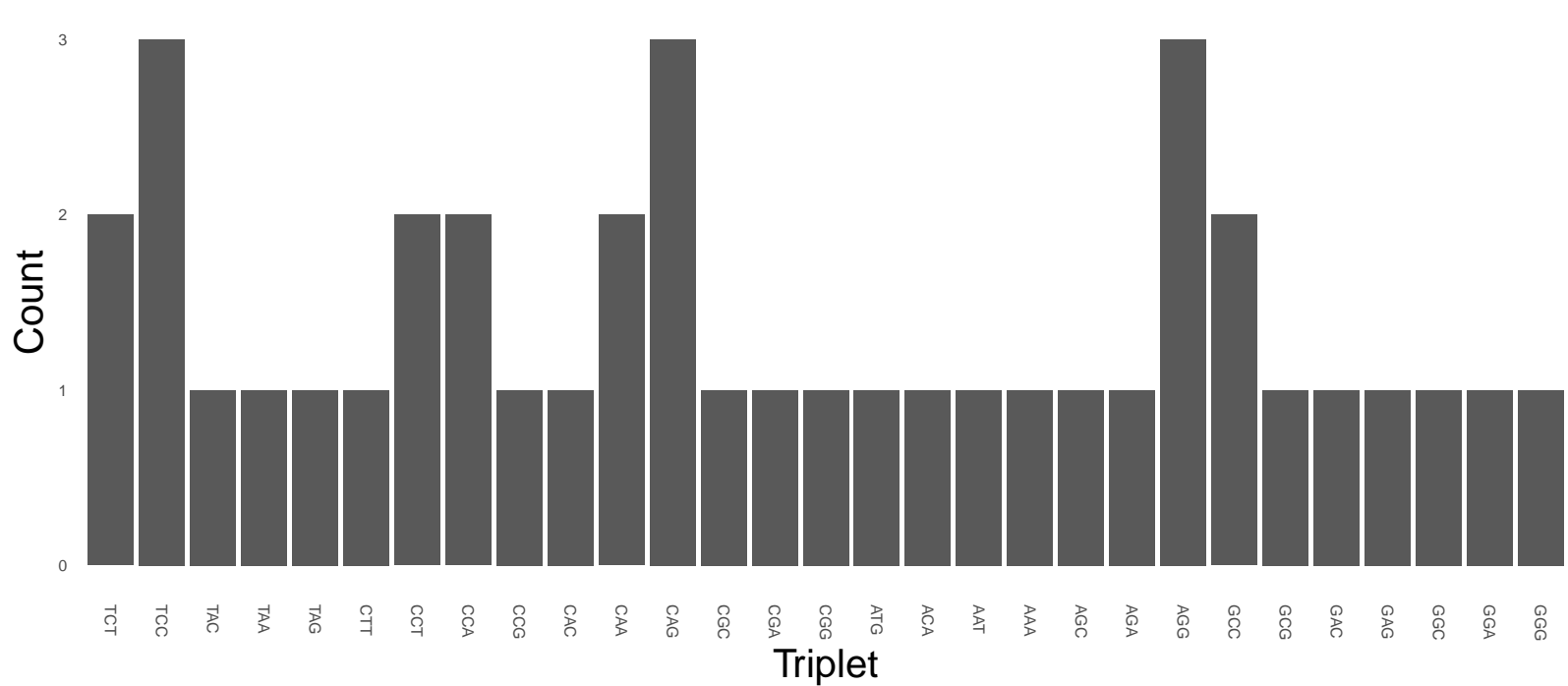
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



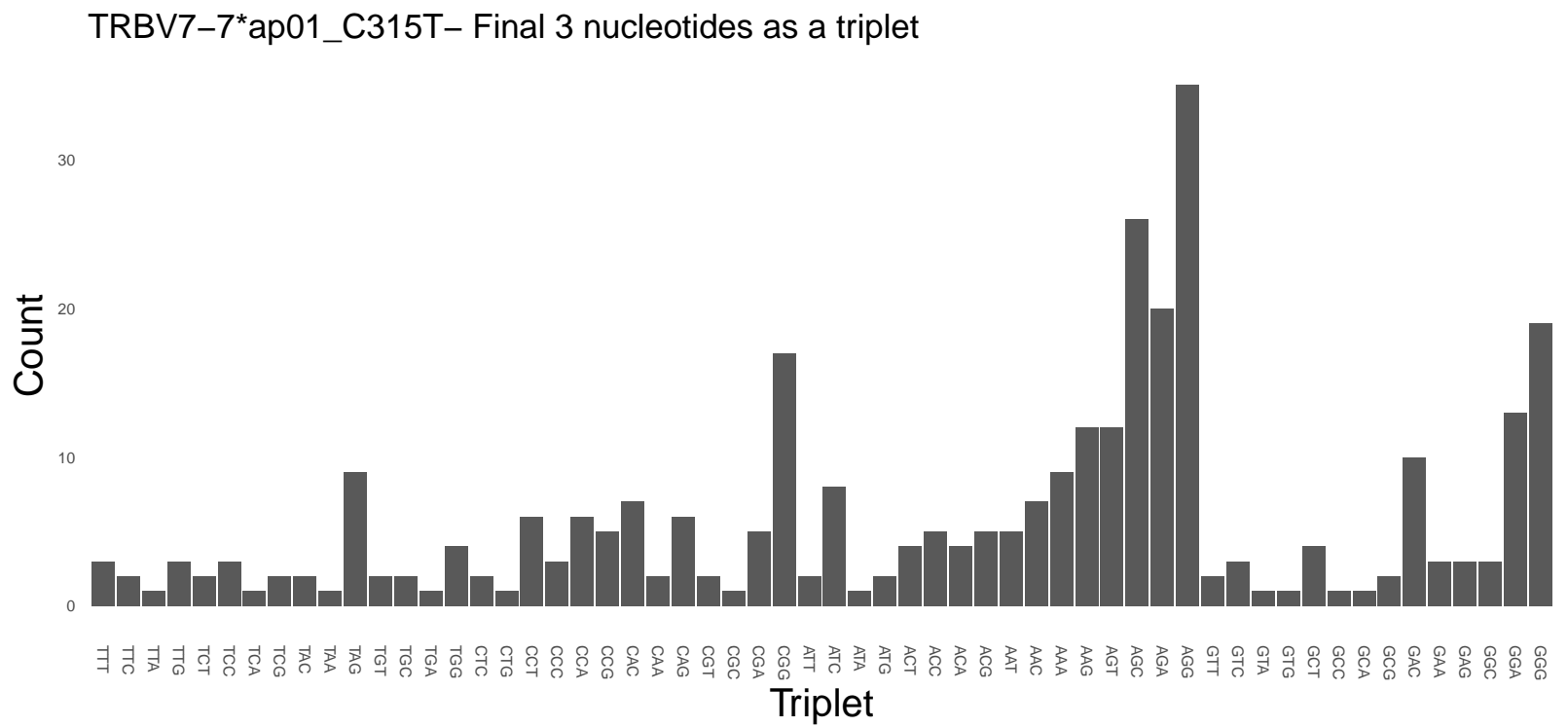
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

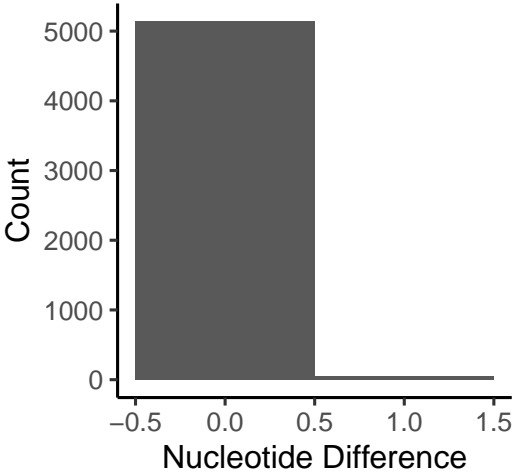


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



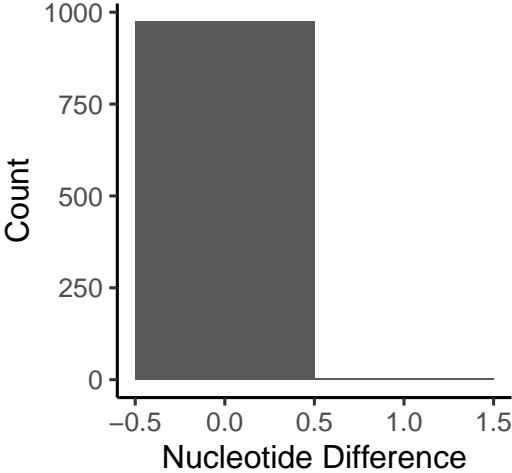
TRBV20-1*ap01

5193 sequences assigned
5139 (99%) exact matches, in which:
5070 unique CDR3
13 unique J



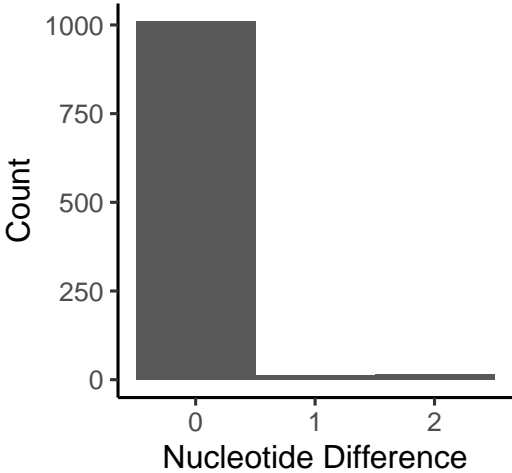
TRBV10-2*ap01

980 sequences assigned
975 (99.5%) exact matches, in which:
952 unique CDR3
13 unique J



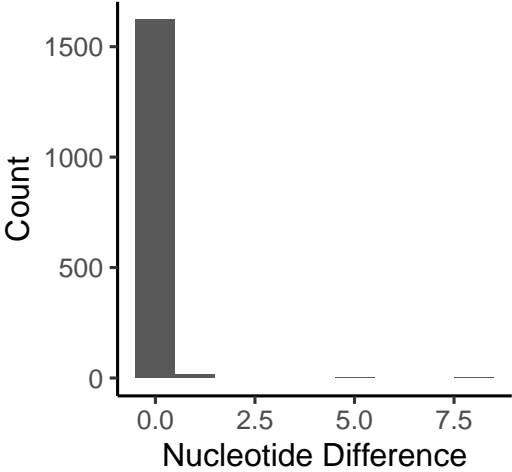
TRBV13*ap01

1037 sequences assigned
1010 (97.4%) exact matches, in which:
987 unique CDR3
13 unique J



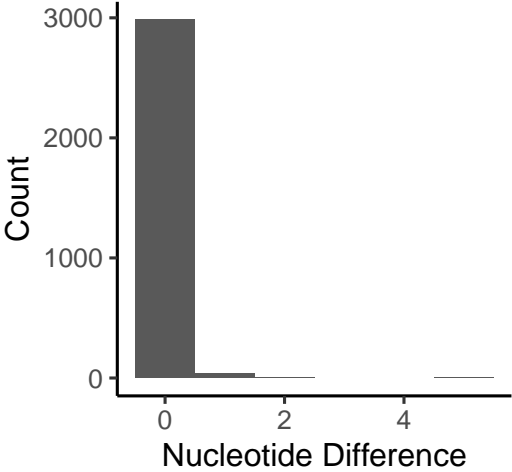
TRBV10-1*ap01

1639 sequences assigned
1622 (99%) exact matches, in which:
1579 unique CDR3
13 unique J



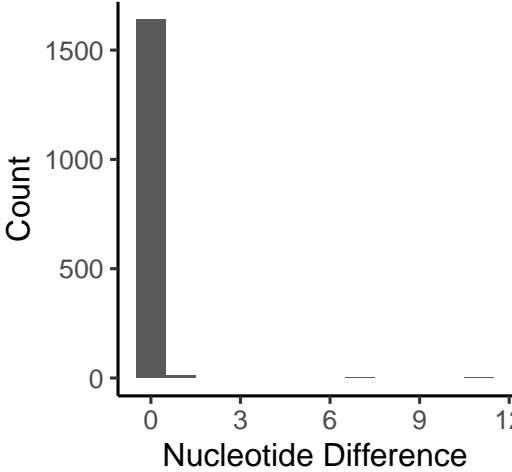
TRBV10-3*ap01

3023 sequences assigned
2984 (98.7%) exact matches, in which:
2911 unique CDR3
13 unique J



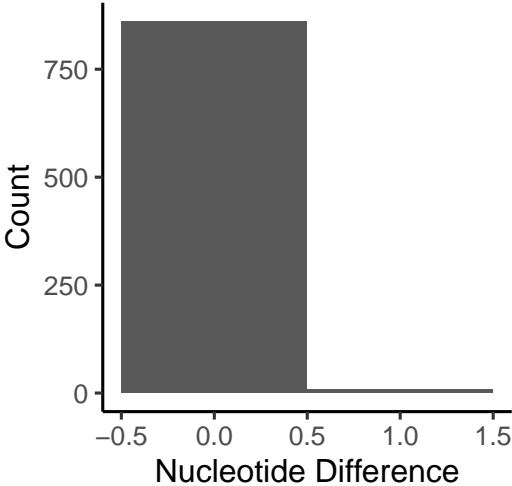
TRBV14*ap01

1653 sequences assigned
1639 (99.2%) exact matches, in which:
1614 unique CDR3
13 unique J



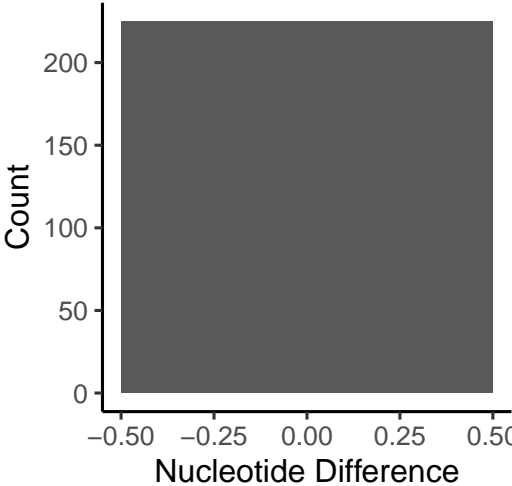
TRBV20-1*ap02

869 sequences assigned
861 (99.1%) exact matches, in which:
852 unique CDR3
13 unique J



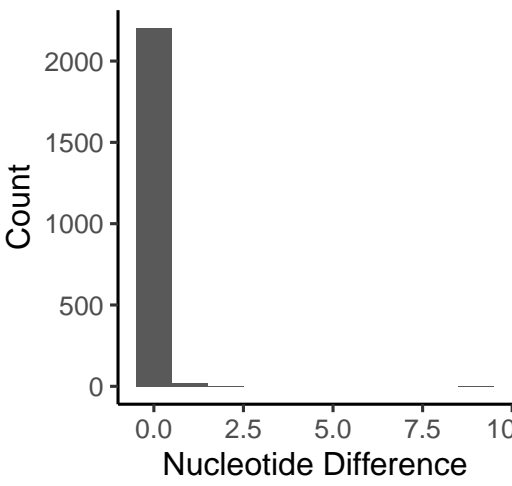
TRBV1*ap01

225 sequences assigned
225 (100%) exact matches, in which:
221 unique CDR3
13 unique J



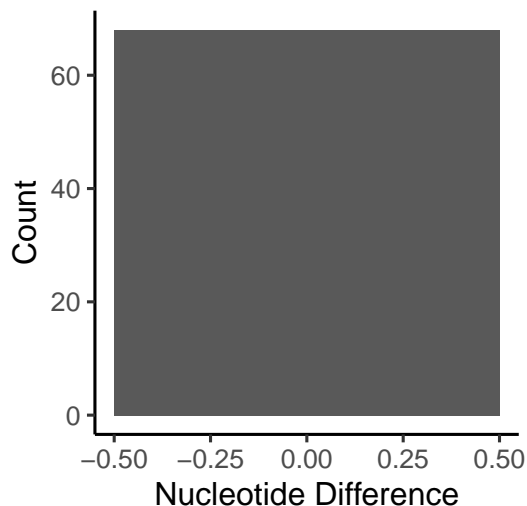
TRBV15*ap02

2227 sequences assigned
2203 (98.9%) exact matches, in which:
2155 unique CDR3
13 unique J



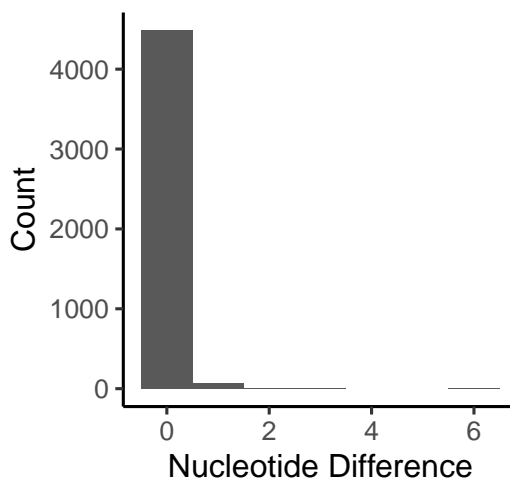
TRBV16*ap01

68 sequences assigned
68 (100%) exact matches, in which:
67 unique CDR3
11 unique J



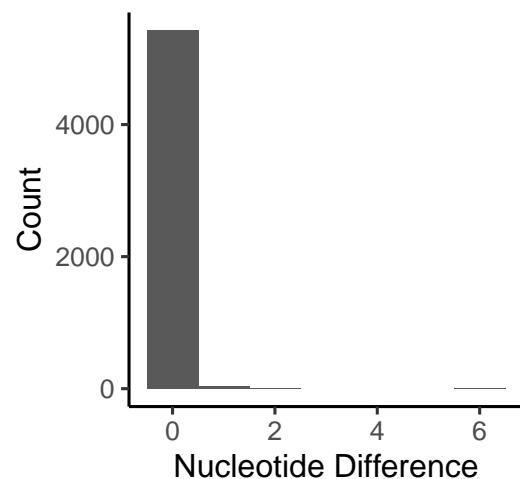
TRBV2*ap01

4556 sequences assigned
4485 (98.4%) exact matches, in which:
4381 unique CDR3
13 unique J



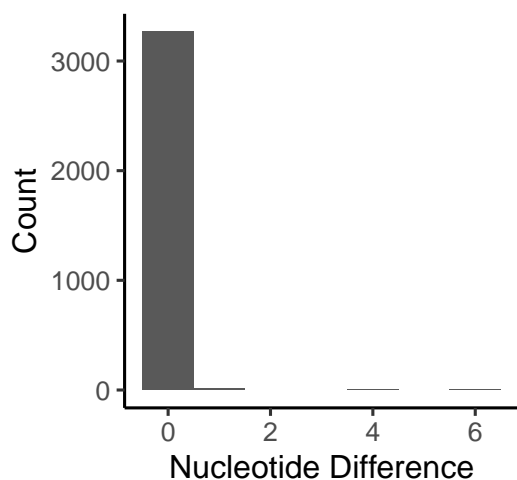
TRBV28*ap01

5469 sequences assigned
5426 (99.2%) exact matches, in which:
5349 unique CDR3
13 unique J



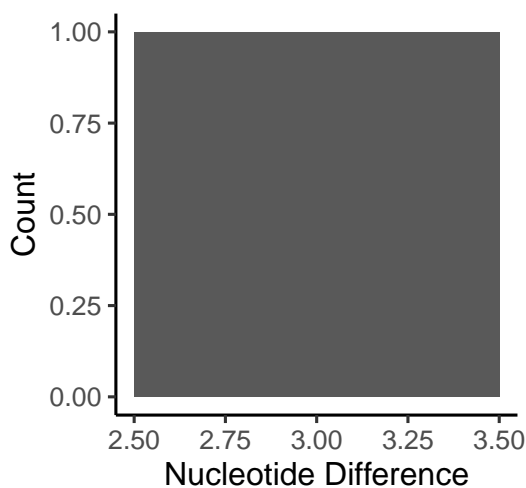
TRBV18*ap01

3282 sequences assigned
3267 (99.5%) exact matches, in which:
3227 unique CDR3
13 unique J



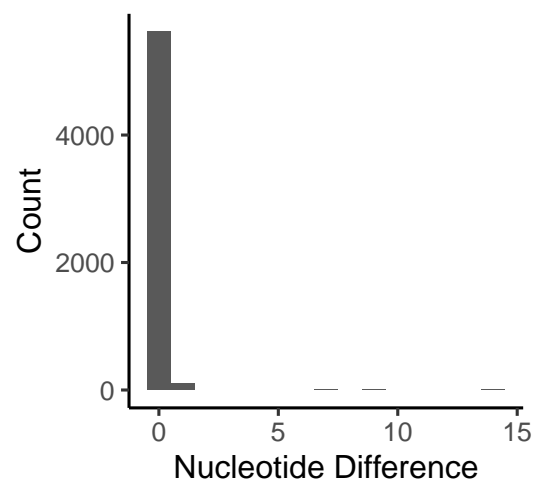
TRBV26*ap01

1 sequences assigned
No exact matches.



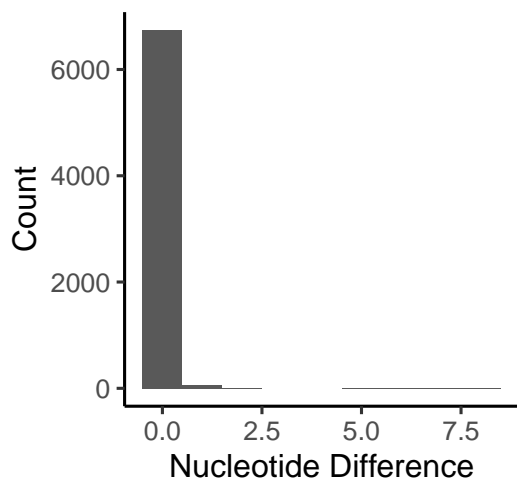
TRBV30*ap01

5721 sequences assigned
5621 (98.3%) exact matches, in which:
5485 unique CDR3
13 unique J



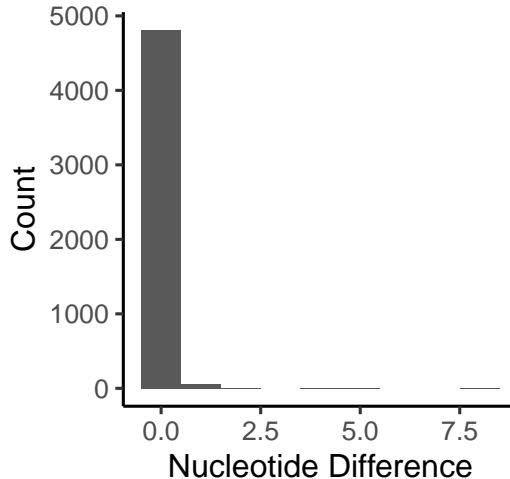
TRBV19*ap01

6815 sequences assigned
6742 (98.9%) exact matches, in which:
6668 unique CDR3
13 unique J



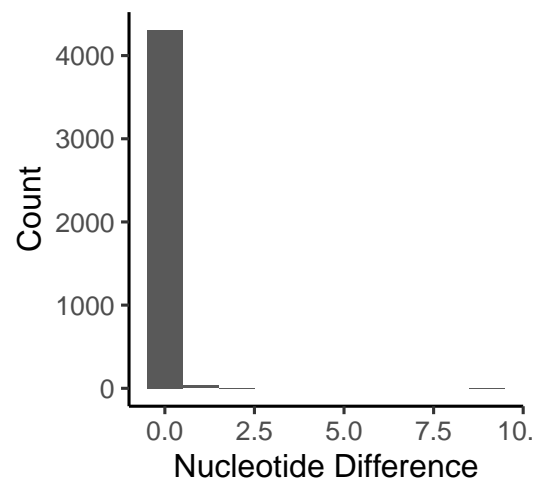
TRBV27*ap01

4877 sequences assigned
4810 (98.6%) exact matches, in which:
4742 unique CDR3
13 unique J



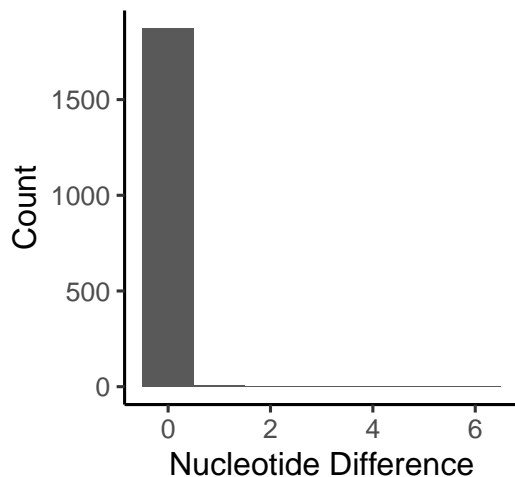
TRBV9*ap01

4345 sequences assigned
4307 (99.1%) exact matches, in which:
4264 unique CDR3
13 unique J



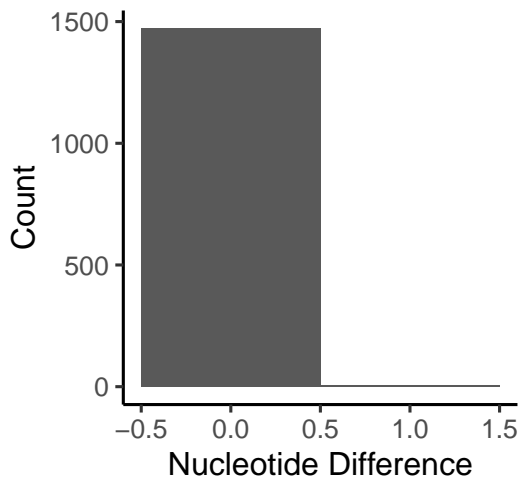
TRBV21-1*ap01

1890 sequences assigned
1872 (99%) exact matches, in which:
1851 unique CDR3
13 unique J



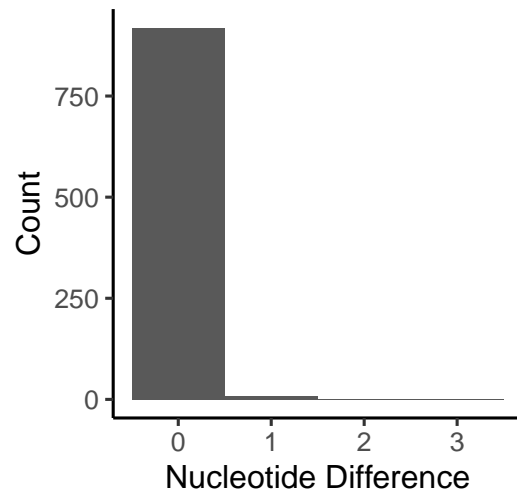
TRBV11-3*ap01

1480 sequences assigned
1472 (99.5%) exact matches, in which:
1446 unique CDR3
13 unique J



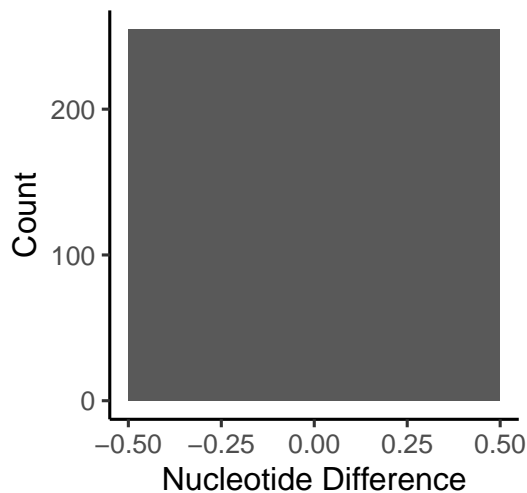
TRBV12-5*ap01

929 sequences assigned
919 (98.9%) exact matches, in which:
897 unique CDR3
13 unique J



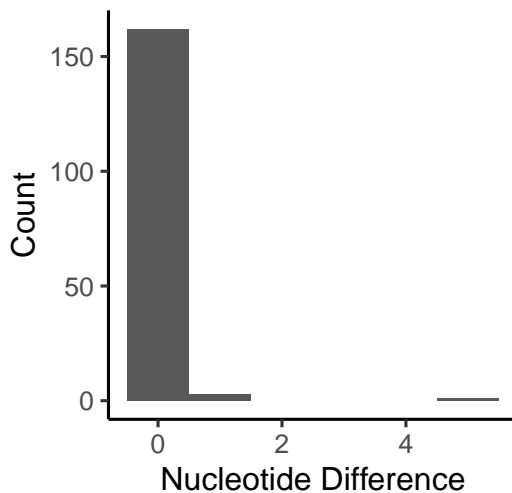
TRBV11-1*ap01

255 sequences assigned
255 (100%) exact matches, in which:
253 unique CDR3
13 unique J



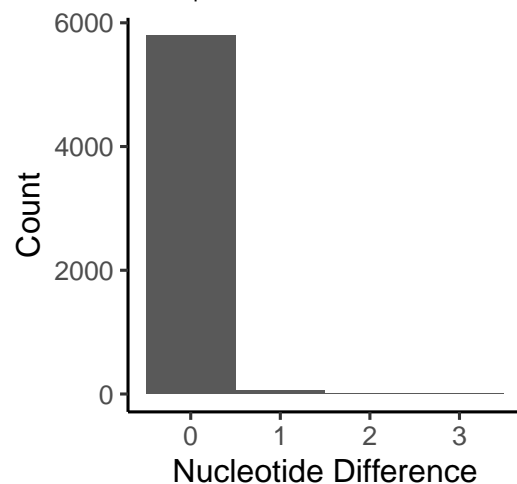
TRBV12-1*ap01

166 sequences assigned
162 (97.6%) exact matches, in which:
162 unique CDR3
13 unique J



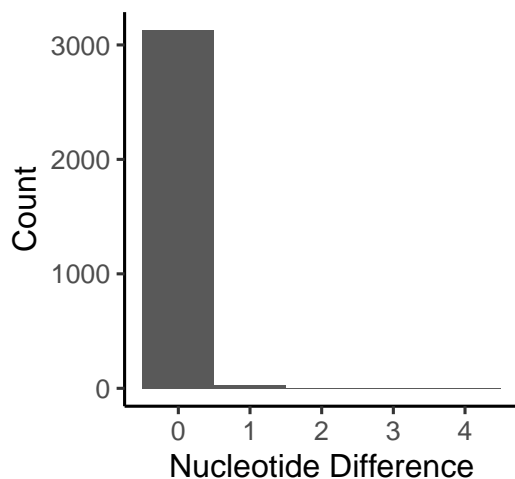
TRBV12-34*ap01

5858 sequences assigned
5791 (98.9%) exact matches, in which:
5686 unique CDR3
13 unique J



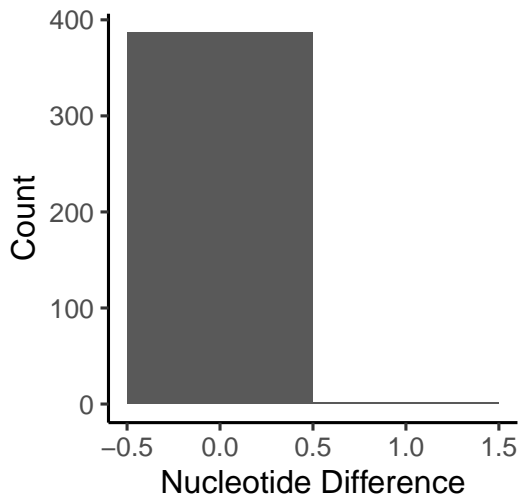
TRBV11-2*ap01

3160 sequences assigned
3130 (99.1%) exact matches, in which:
3064 unique CDR3
13 unique J



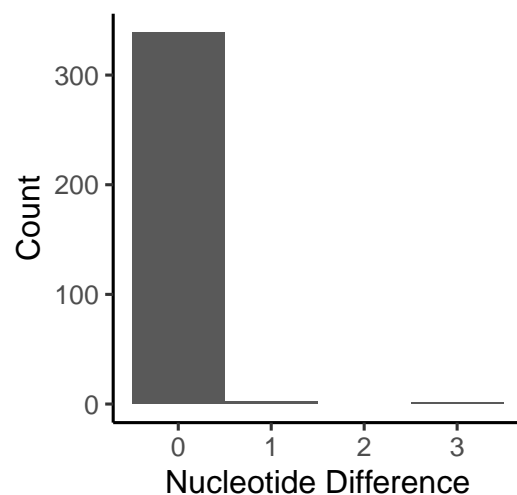
TRBV12-2*ap01

389 sequences assigned
387 (99.5%) exact matches, in which:
376 unique CDR3
13 unique J



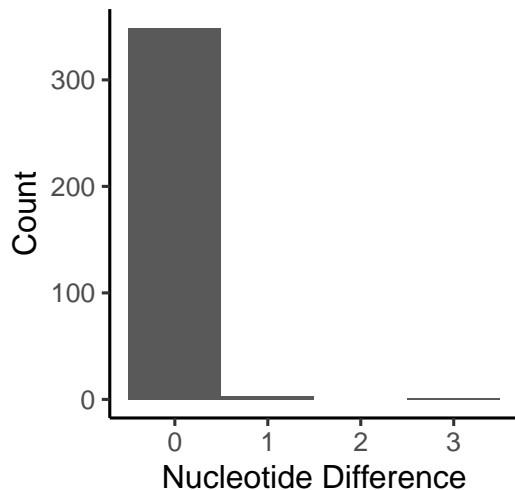
TRBV23-1*ap01

342 sequences assigned
339 (99.1%) exact matches, in which:
339 unique CDR3
13 unique J



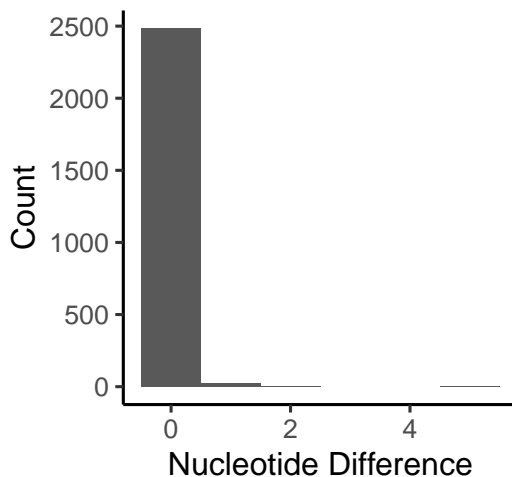
TRBV23–1*ap01_T304C

353 sequences assigned
349 (98.9%) exact matches, in which:
345 unique CDR3
13 unique J



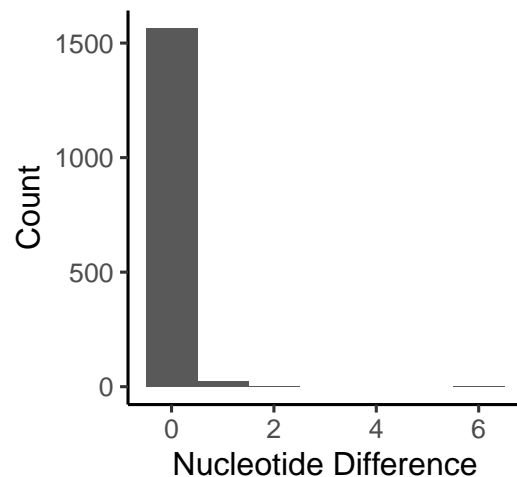
TRBV4–1*ap01

2507 sequences assigned
2484 (99.1%) exact matches, in which:
2422 unique CDR3
13 unique J



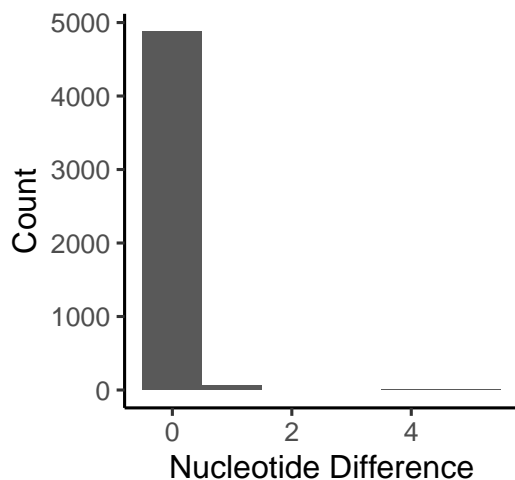
TRBV25–1*ap01

1591 sequences assigned
1564 (98.3%) exact matches, in which:
1536 unique CDR3
13 unique J



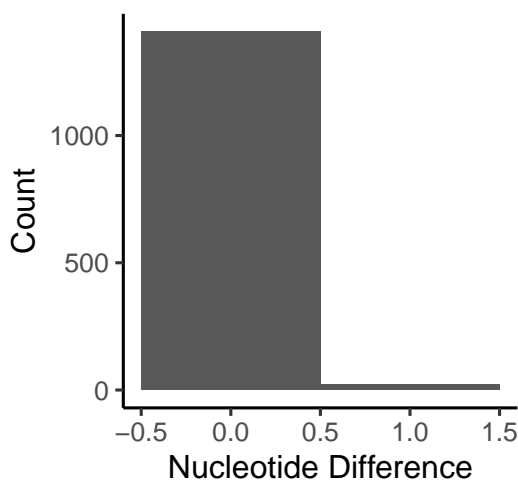
TRBV3–12*ap01

4935 sequences assigned
4875 (98.8%) exact matches, in which:
4788 unique CDR3
13 unique J



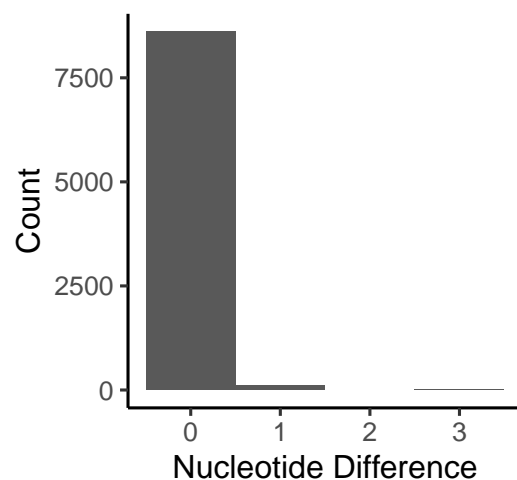
TRBV4–2*ap01

1429 sequences assigned
1408 (98.5%) exact matches, in which:
1379 unique CDR3
13 unique J



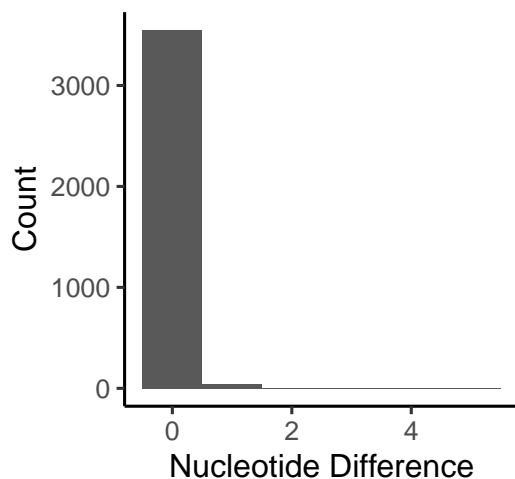
TRBV5–1*ap01

8719 sequences assigned
8607 (98.7%) exact matches, in which:
8388 unique CDR3
13 unique J



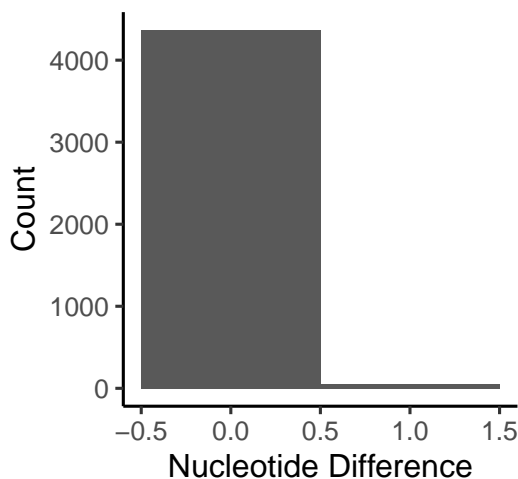
TRBV24–1*ap01

3603 sequences assigned
3549 (98.5%) exact matches, in which:
3492 unique CDR3
13 unique J



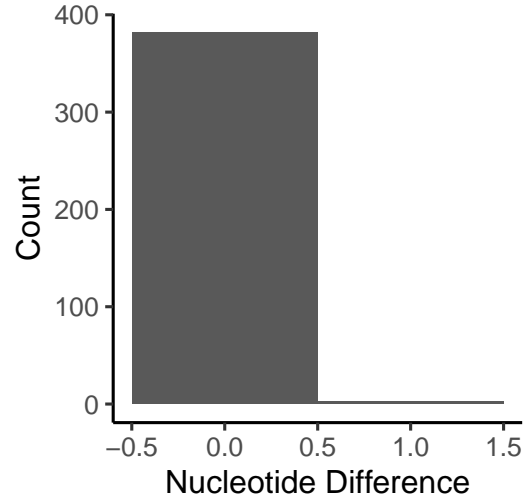
TRBV4–3*ap01

4418 sequences assigned
4367 (98.8%) exact matches, in which:
4267 unique CDR3
13 unique J



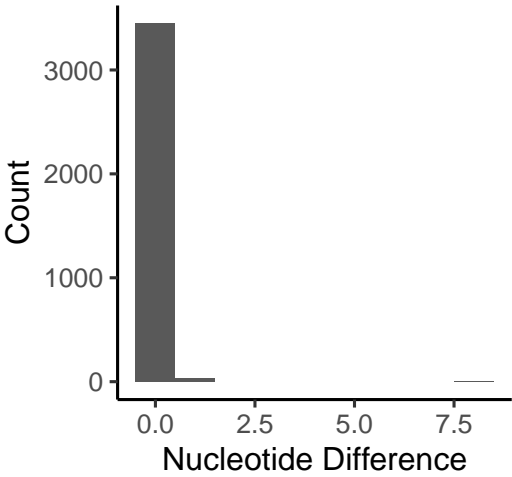
TRBV5–3*ap01

385 sequences assigned
382 (99.2%) exact matches, in which:
371 unique CDR3
13 unique J



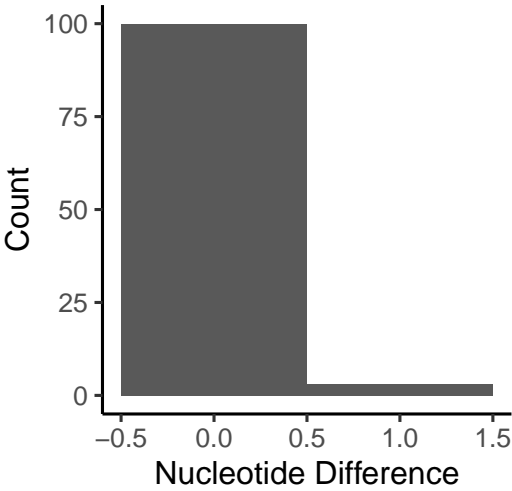
TRBV5-4*ap01

3487 sequences assigned
3448 (98.9%) exact matches, in which:
3386 unique CDR3
13 unique J



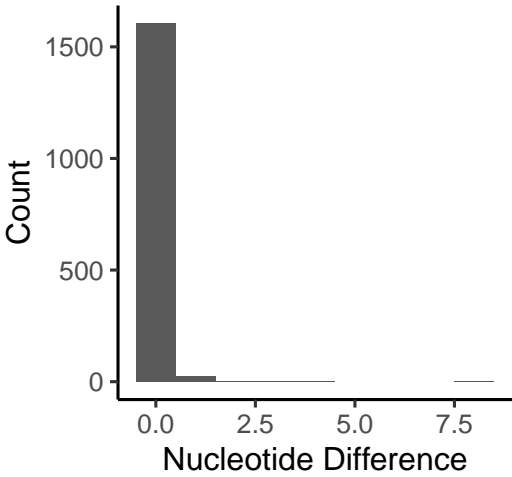
TRBV5-7*ap01

103 sequences assigned
100 (97.1%) exact matches, in which:
100 unique CDR3
13 unique J



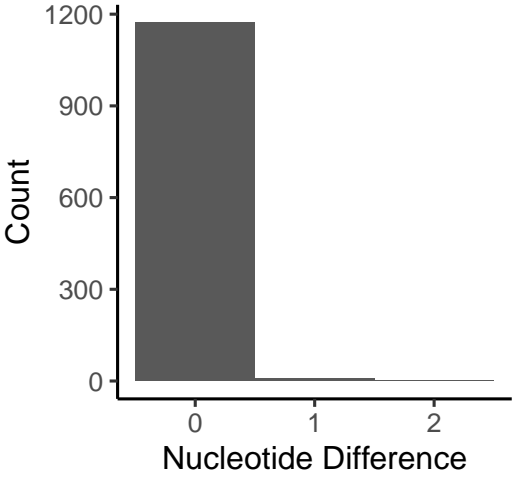
TRBV6-4*ap01

1637 sequences assigned
1605 (98%) exact matches, in which:
1585 unique CDR3
13 unique J



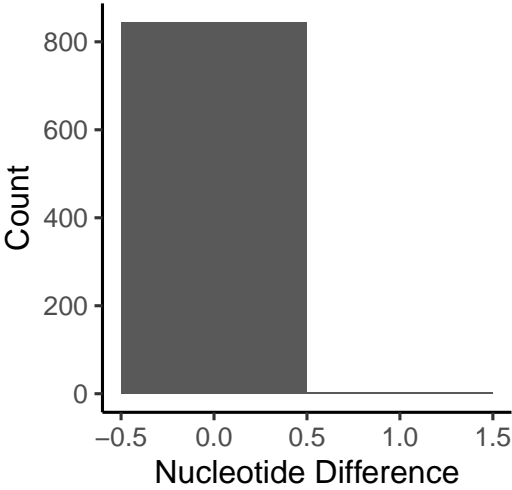
TRBV5-5*ap01

1180 sequences assigned
1172 (99.3%) exact matches, in which:
1161 unique CDR3
13 unique J



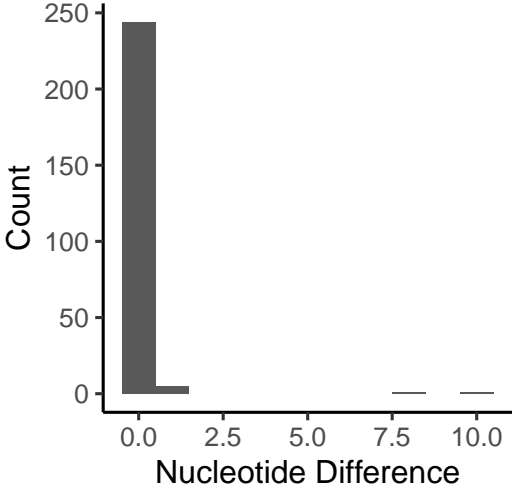
TRBV5-8*ap01

848 sequences assigned
845 (99.6%) exact matches, in which:
836 unique CDR3
13 unique J



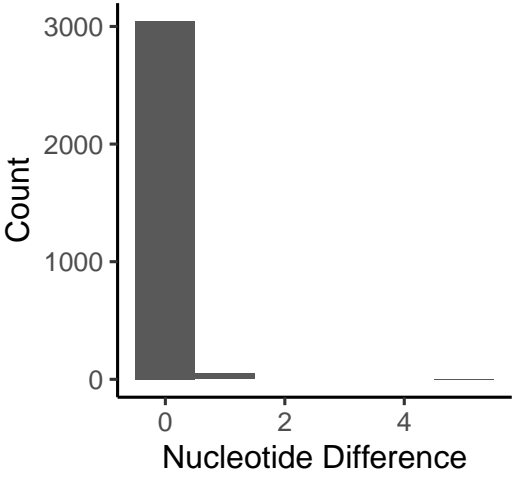
TRBV6-7*ap01

251 sequences assigned
244 (97.2%) exact matches, in which:
235 unique CDR3
13 unique J



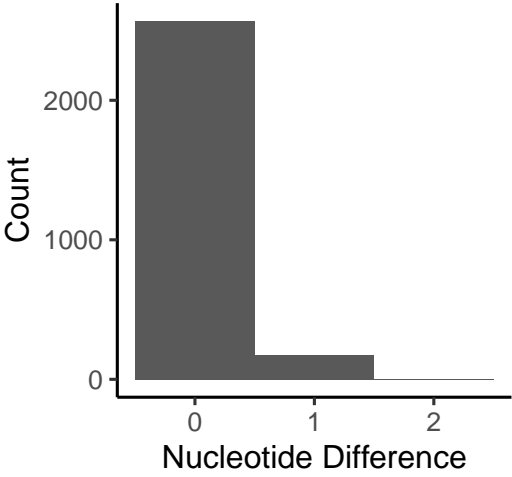
TRBV5-6*ap01

3098 sequences assigned
3046 (98.3%) exact matches, in which:
2953 unique CDR3
13 unique J



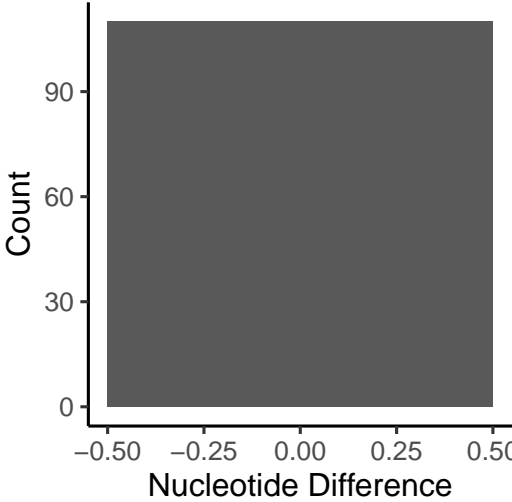
TRBV6-1*ap01

2746 sequences assigned
2568 (93.5%) exact matches, in which:
2515 unique CDR3
13 unique J



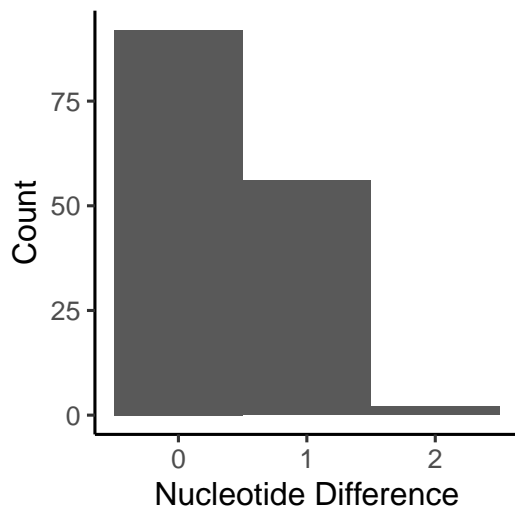
TRBV6-8*ap01

110 sequences assigned
110 (100%) exact matches, in which:
107 unique CDR3
13 unique J



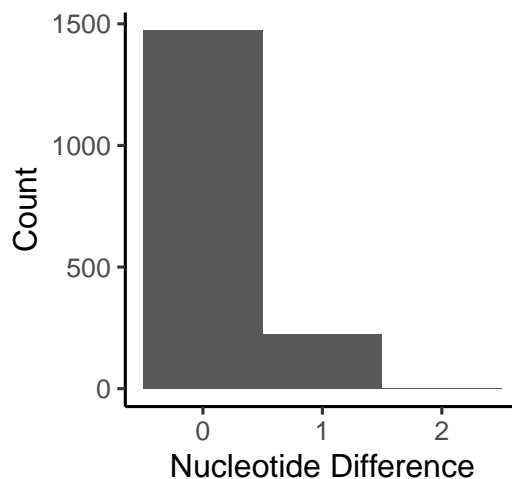
TRBV6-9*ap01

150 sequences assigned
92 (61.3%) exact matches, in which:
92 unique CDR3
12 unique J



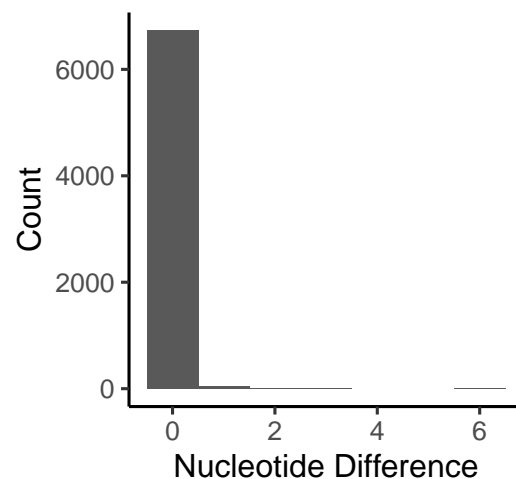
TRBV6-56*ap02

1700 sequences assigned
1473 (86.6%) exact matches, in which:
1432 unique CDR3
13 unique J



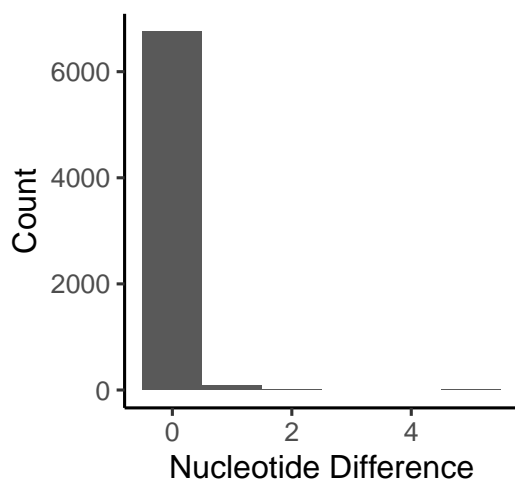
TRBV7-2*ap01

6786 sequences assigned
6732 (99.2%) exact matches, in which:
6624 unique CDR3
13 unique J



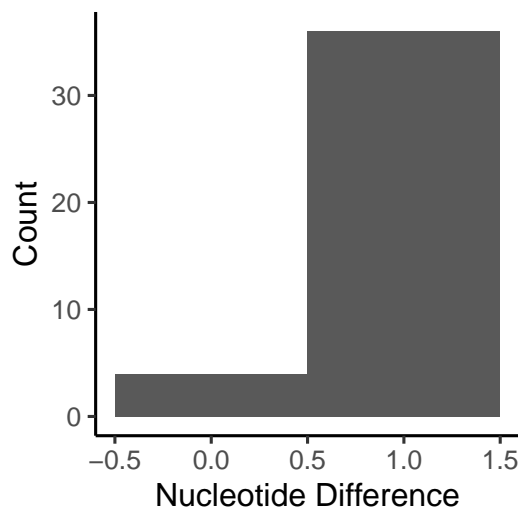
TRBV6-23*ap01

6848 sequences assigned
6753 (98.6%) exact matches, in which:
6526 unique CDR3
13 unique J



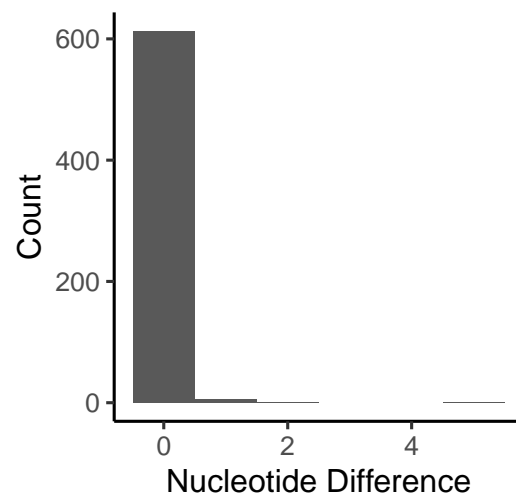
TRBV7-1*ap01_T296C

40 sequences assigned
4 (10%) exact matches, in which:
4 unique CDR3
4 unique J



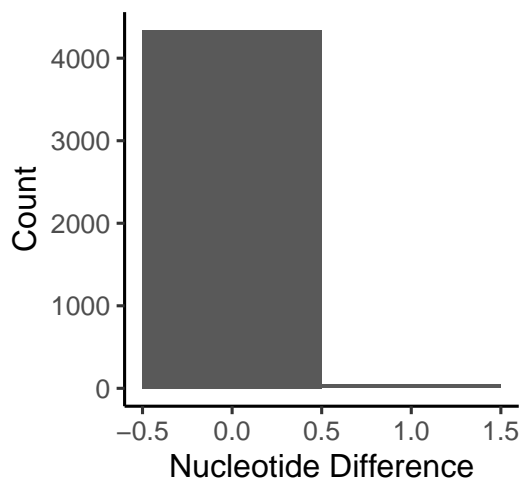
TRBV7-3*ap02

620 sequences assigned
613 (98.9%) exact matches, in which:
599 unique CDR3
13 unique J



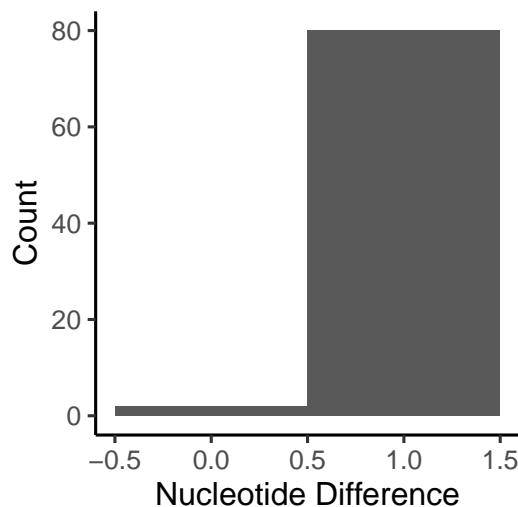
TRBV6-56*ap01

4389 sequences assigned
4341 (98.9%) exact matches, in which:
4204 unique CDR3
13 unique J



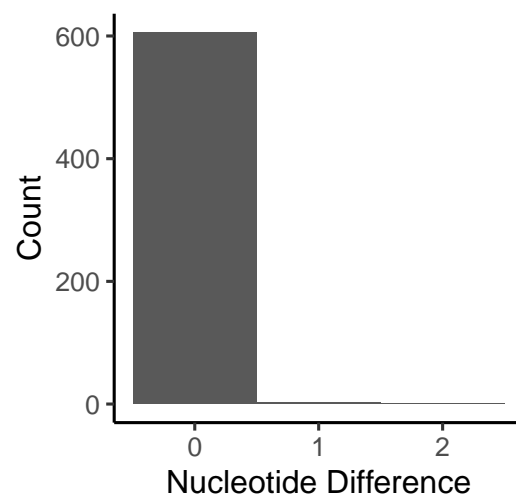
TRBV7-1*ap01_T296C_C

82 sequences assigned
2 (2.4%) exact matches, in which:
2 unique CDR3
2 unique J



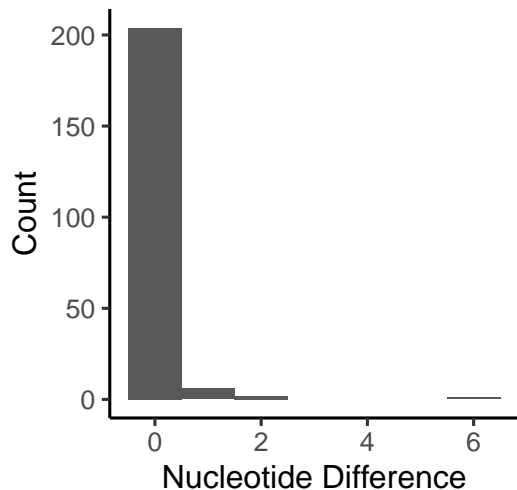
TRBV7-3*ap03

609 sequences assigned
606 (99.5%) exact matches, in which:
594 unique CDR3
13 unique J



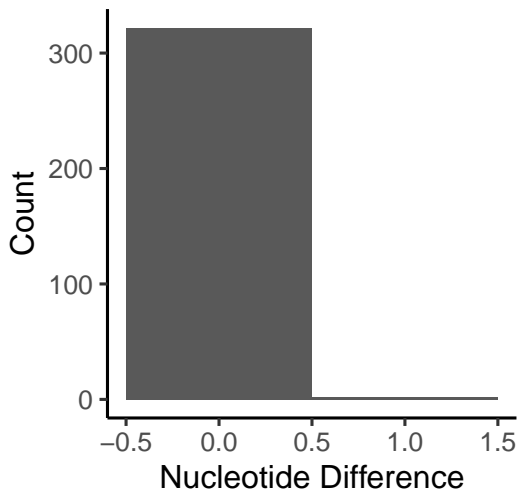
TRBV7-4*ap01

213 sequences assigned
204 (95.8%) exact matches, in which:
198 unique CDR3
13 unique J



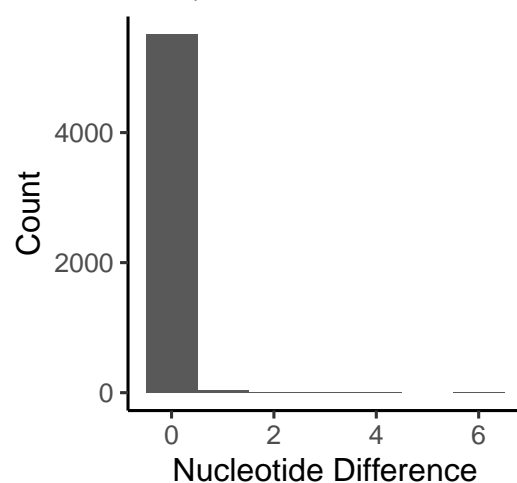
TRBV7-7*ap01_C315T

324 sequences assigned
322 (99.4%) exact matches, in which:
314 unique CDR3
13 unique J



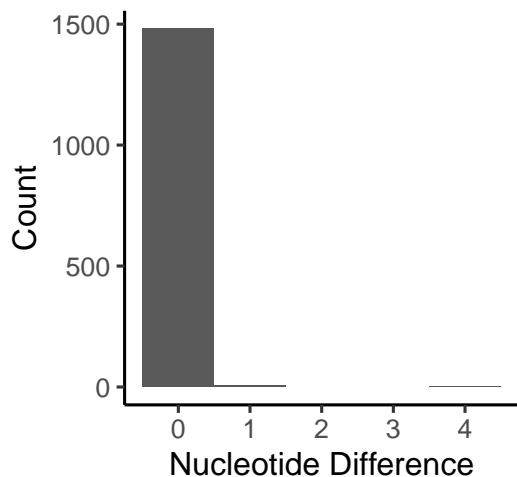
TRBV7-9*ap01

5560 sequences assigned
5510 (99.1%) exact matches, in which:
5415 unique CDR3
13 unique J



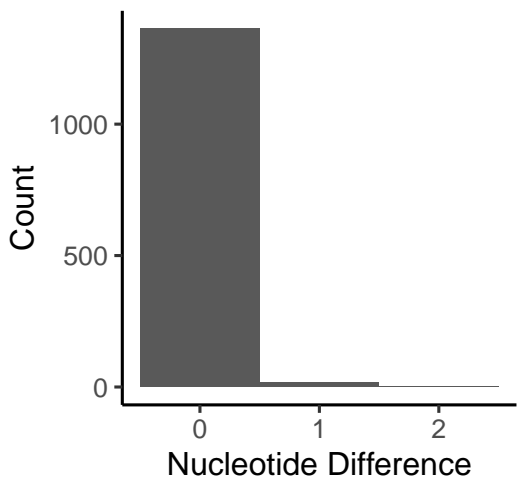
TRBV7-6*ap01

1490 sequences assigned
1481 (99.4%) exact matches, in which:
1460 unique CDR3
13 unique J



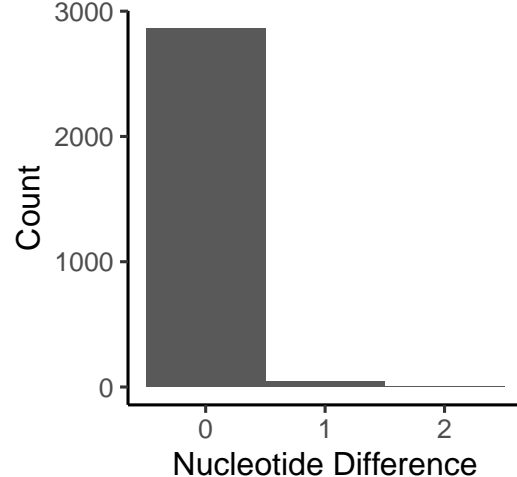
TRBV7-8*ap01

1381 sequences assigned
1363 (98.7%) exact matches, in which:
1338 unique CDR3
13 unique J



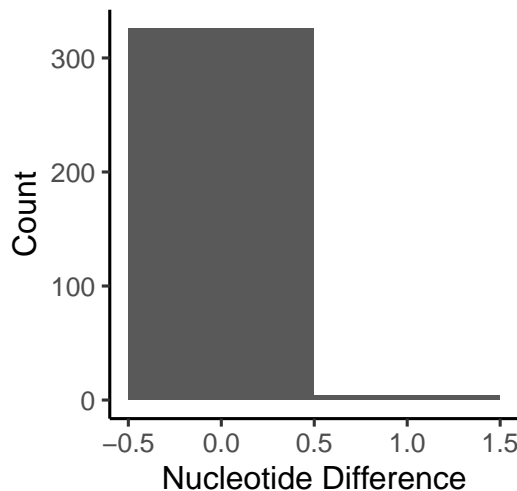
TRBV29-1*ap01

2905 sequences assigned
2860 (98.5%) exact matches, in which:
2794 unique CDR3
13 unique J



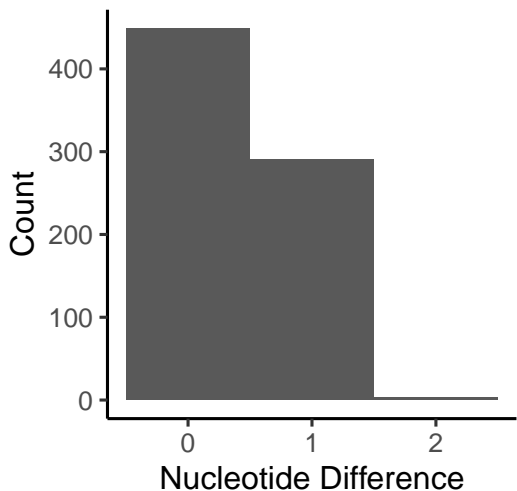
TRBV7-7*ap01

330 sequences assigned
326 (98.8%) exact matches, in which:
322 unique CDR3
13 unique J



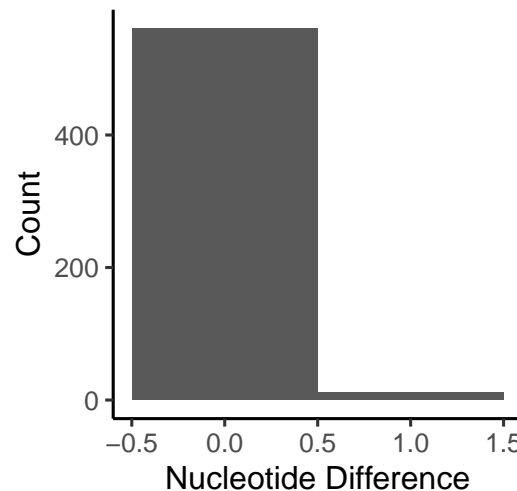
TRBV7-8*ap03

743 sequences assigned
449 (60.4%) exact matches, in which:
443 unique CDR3
13 unique J

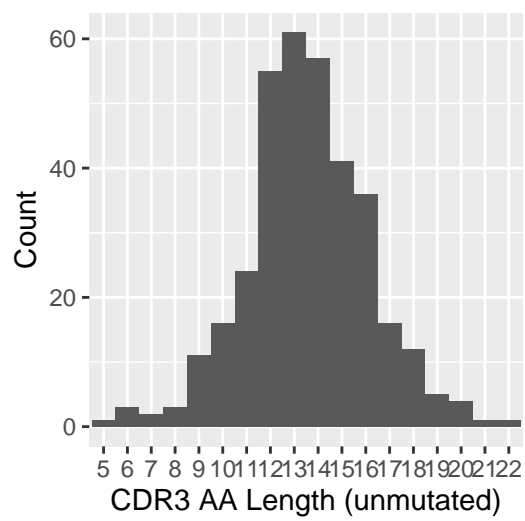


TRBV29-1*ap02

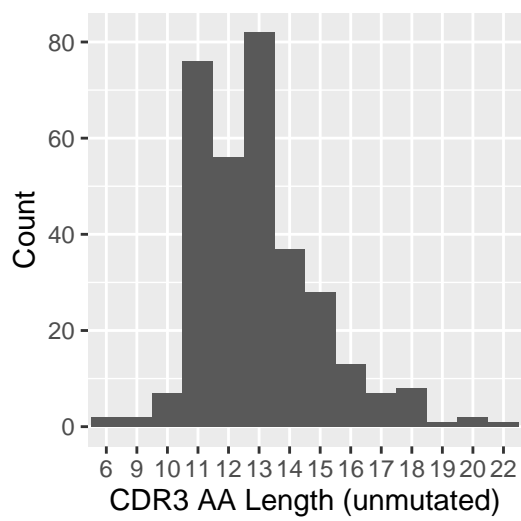
572 sequences assigned
561 (98.1%) exact matches, in which:
546 unique CDR3
13 unique J



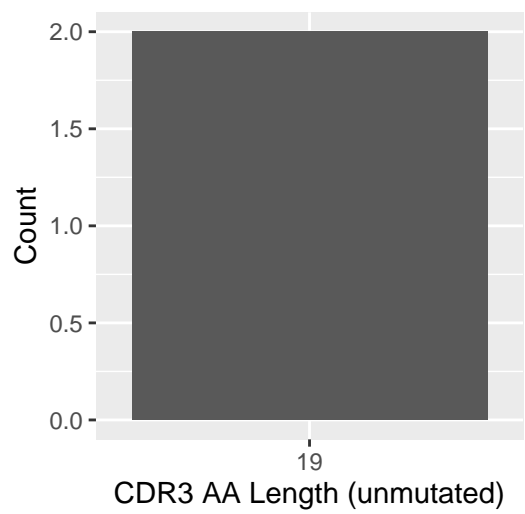
TRBV23-1*ap01_T304C



TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C

