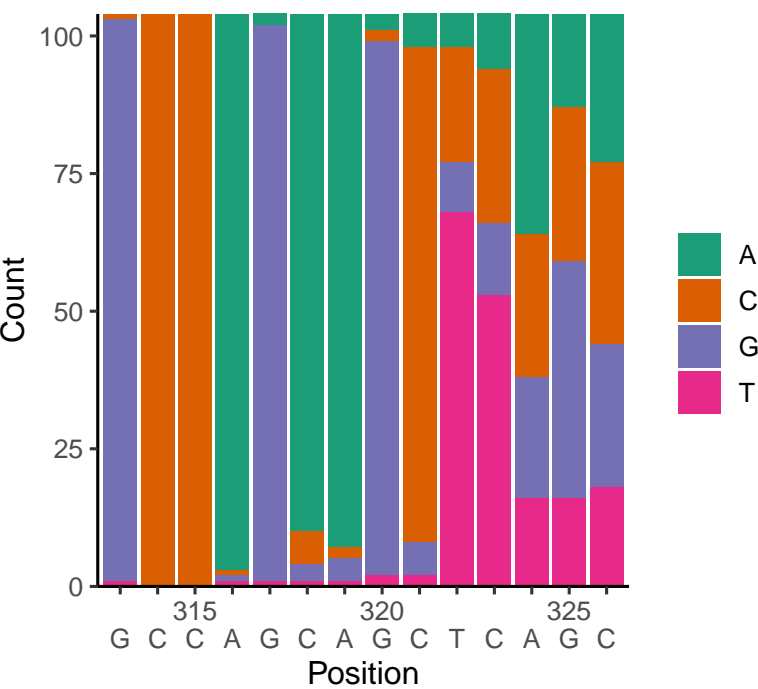
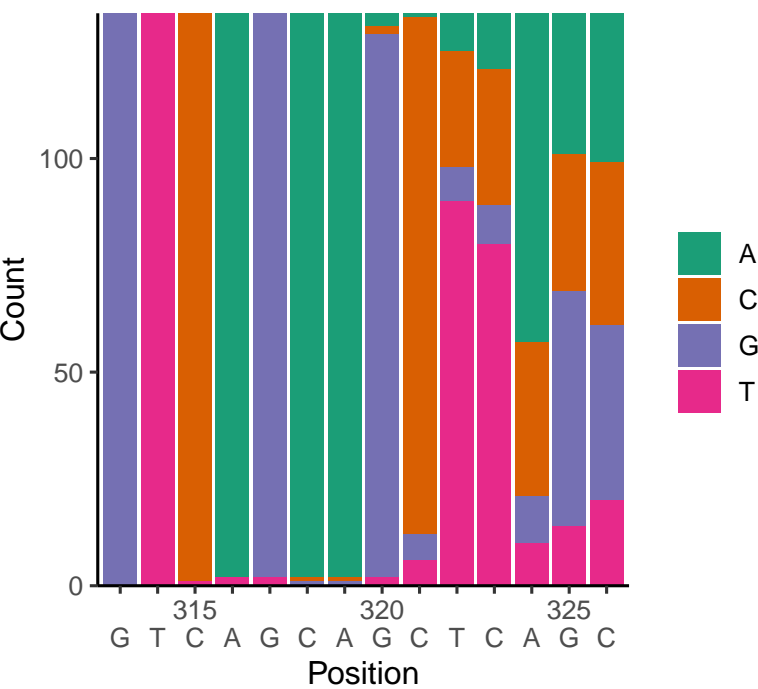


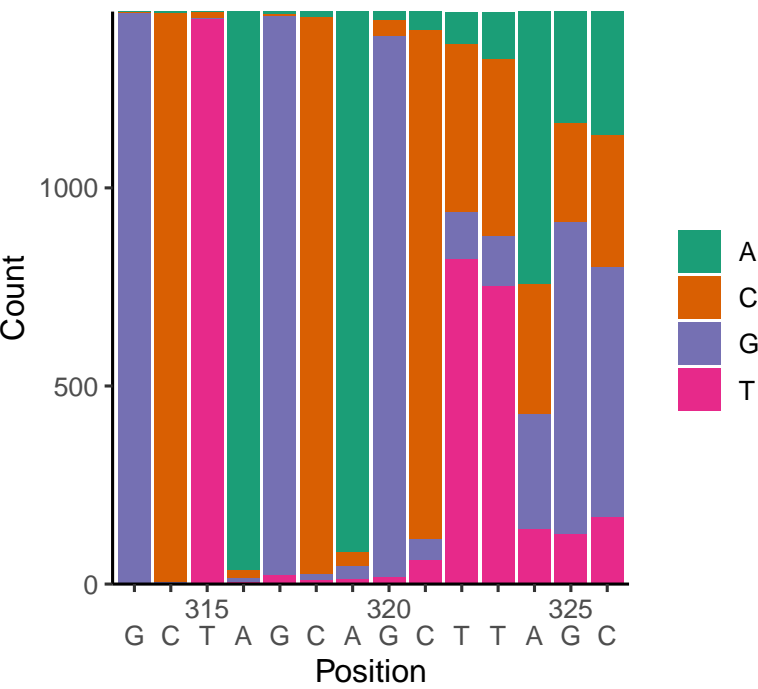
Gene TRBV7-1*ap01_G291C_T296C



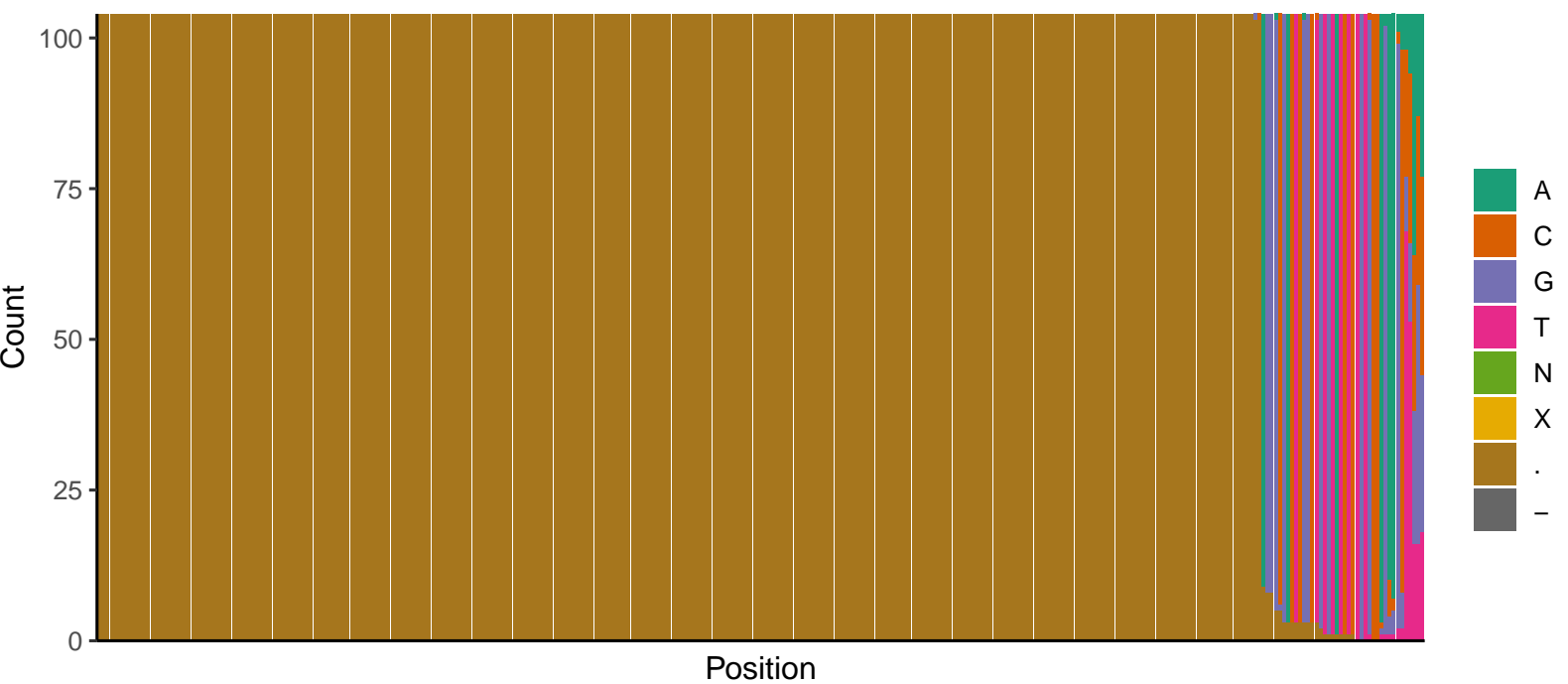
Gene TRBV7-1*ap01_G291C_T296C_C314T



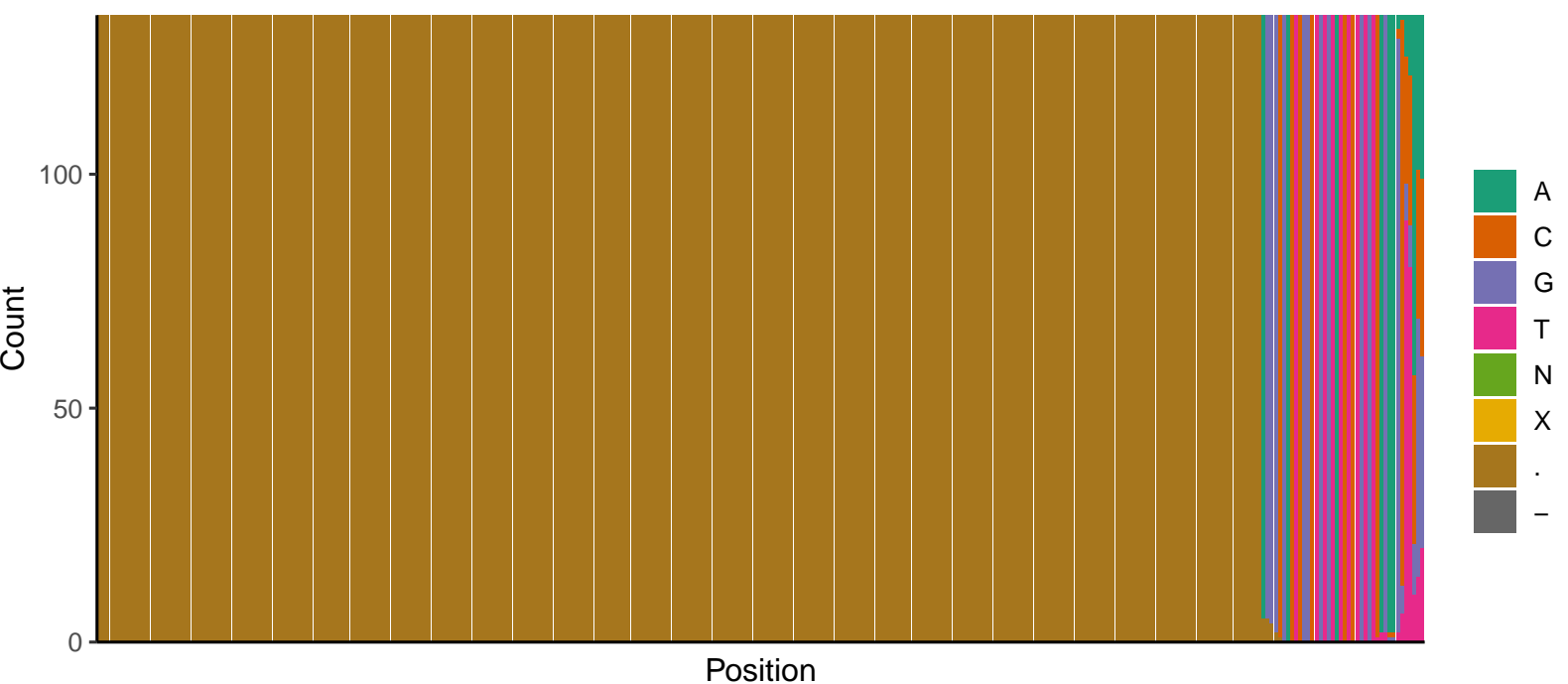
Gene TRBV7-7*ap01_C315T



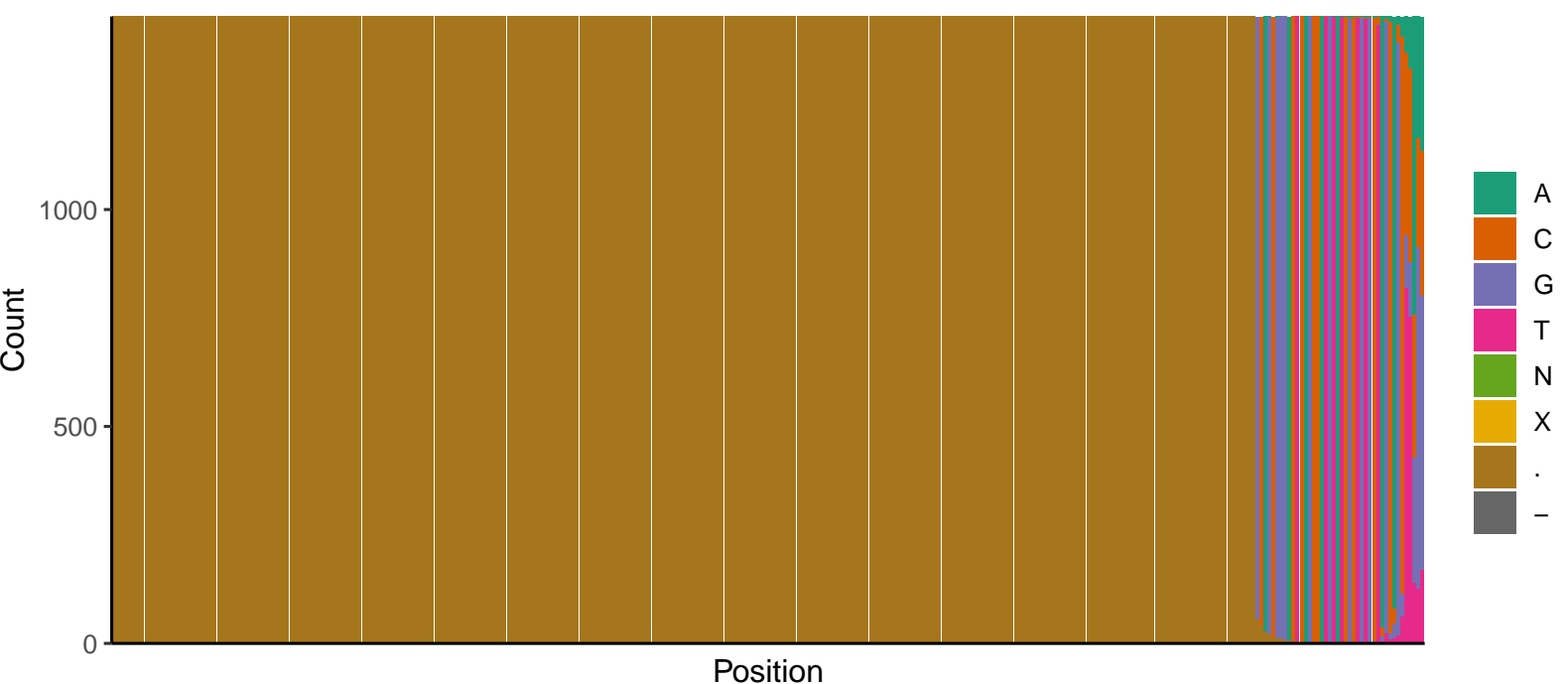
Gene TRBV7-1*ap01_G291C_T296C



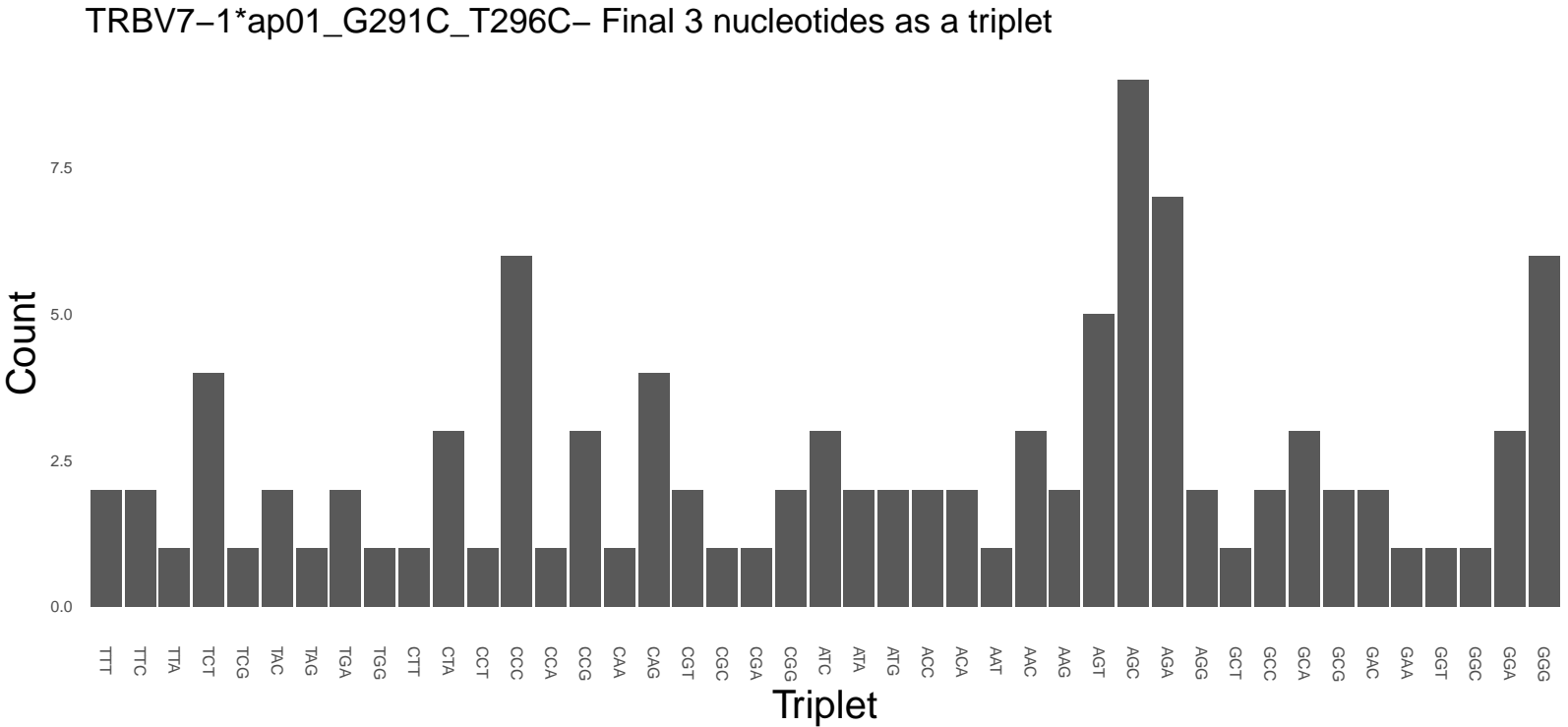
Gene TRBV7-1*ap01_G291C_T296C_C314T



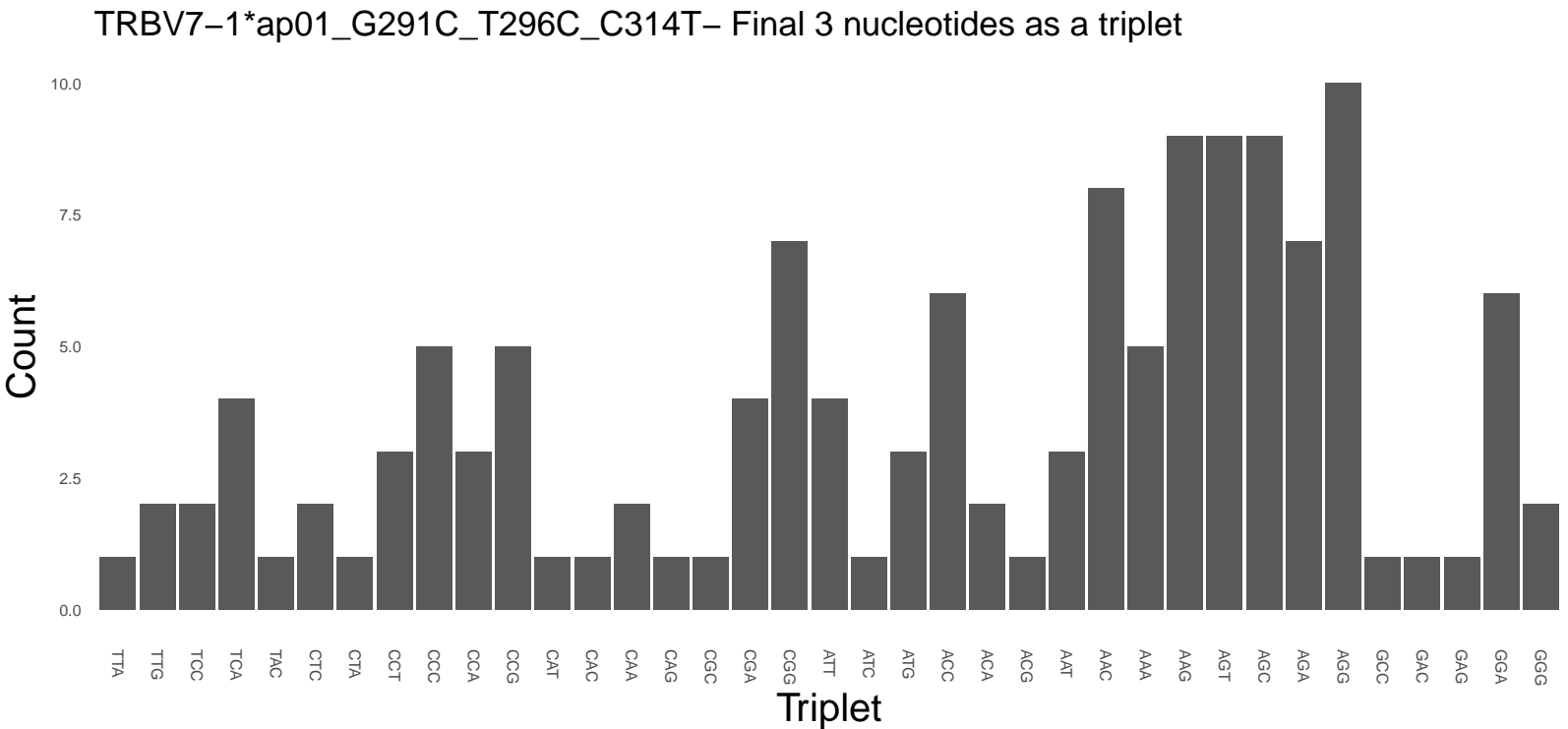
Gene TRBV7-7*ap01_C315T



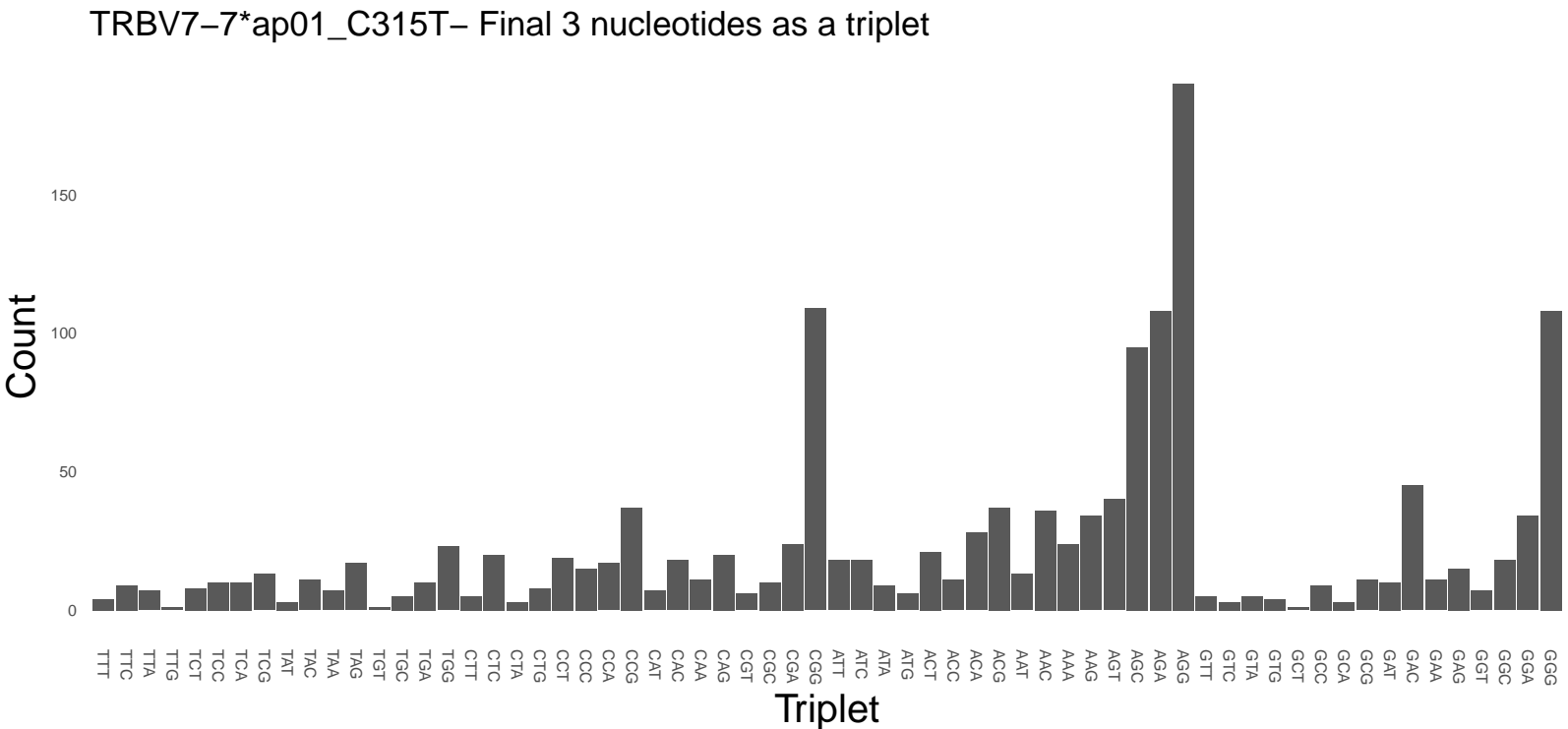
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

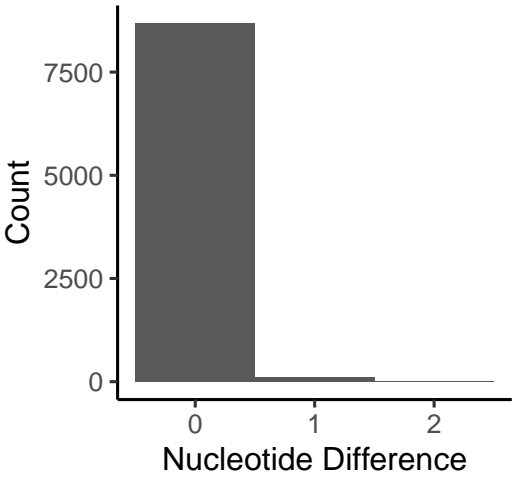


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



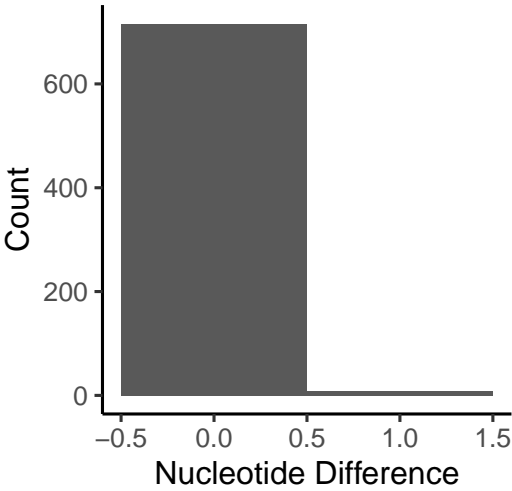
TRBV20-1*ap01

8795 sequences assigned
8680 (98.7%) exact matches, in which:
8497 unique CDR3
13 unique J



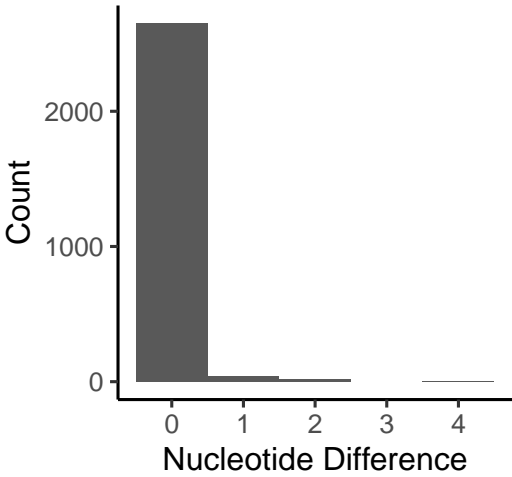
TRBV10-2*ap01

725 sequences assigned
716 (98.8%) exact matches, in which:
689 unique CDR3
13 unique J



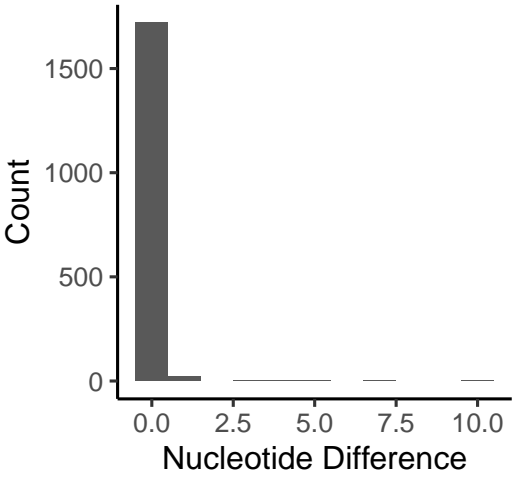
TRBV13*ap01

2704 sequences assigned
2650 (98%) exact matches, in which:
2581 unique CDR3
13 unique J



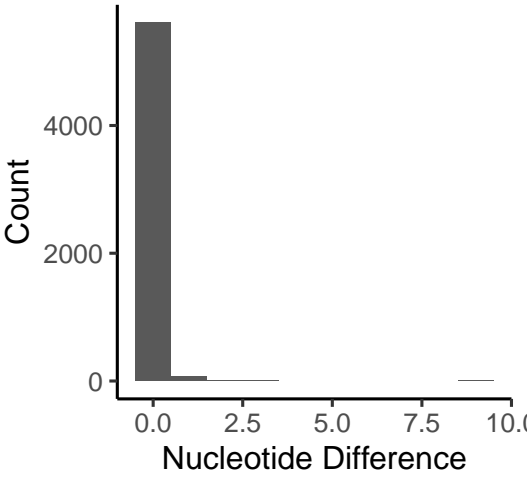
TRBV10-1*ap01

1751 sequences assigned
1720 (98.2%) exact matches, in which:
1674 unique CDR3
13 unique J



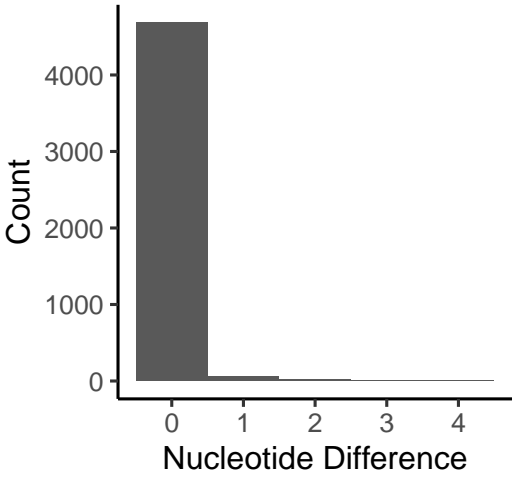
TRBV10-3*ap01

5685 sequences assigned
5609 (98.7%) exact matches, in which:
5474 unique CDR3
13 unique J



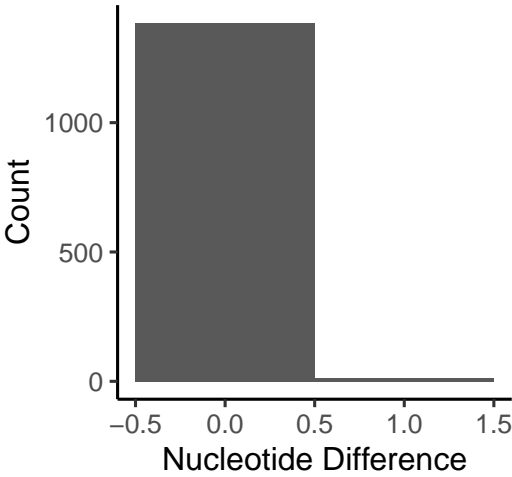
TRBV14*ap01

4754 sequences assigned
4683 (98.5%) exact matches, in which:
4582 unique CDR3
13 unique J



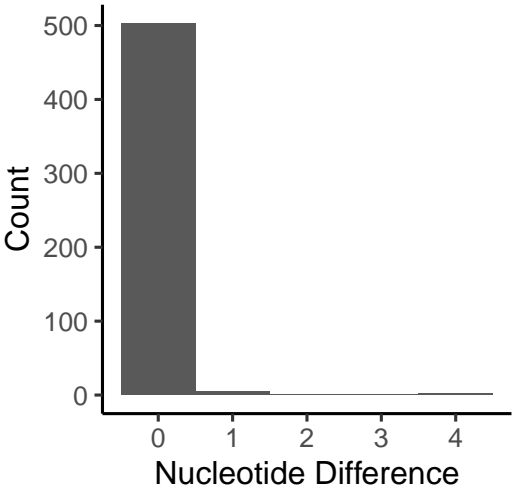
TRBV20-1*ap02

1398 sequences assigned
1385 (99.1%) exact matches, in which:
1355 unique CDR3
13 unique J



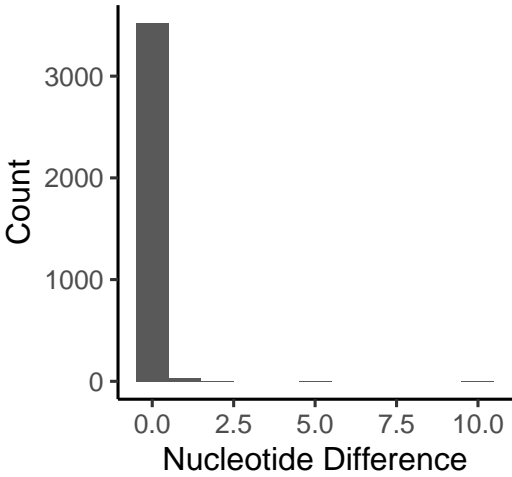
TRBV1*ap01

512 sequences assigned
503 (98.2%) exact matches, in which:
489 unique CDR3
13 unique J



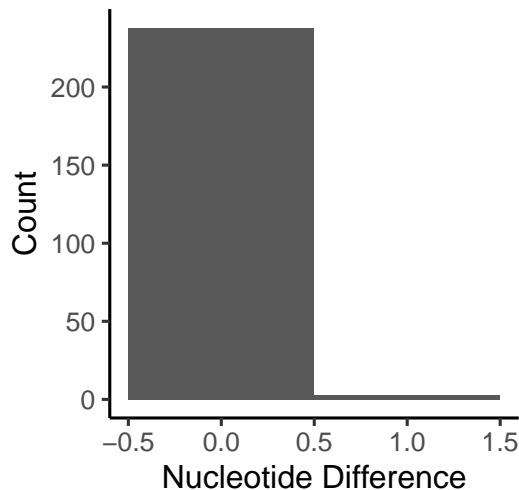
TRBV15*ap02

3561 sequences assigned
3522 (98.9%) exact matches, in which:
3424 unique CDR3
13 unique J



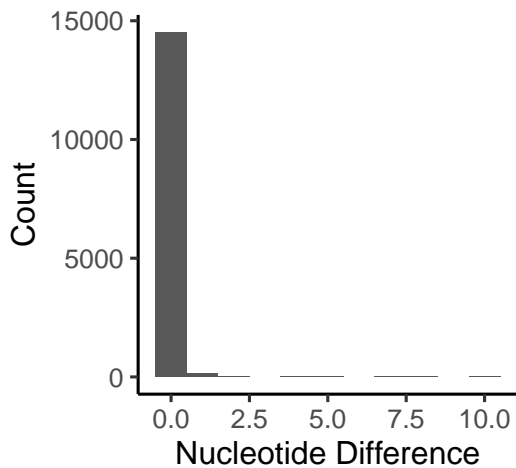
TRBV16*ap01

241 sequences assigned
238 (98.8%) exact matches, in which:
233 unique CDR3
13 unique J



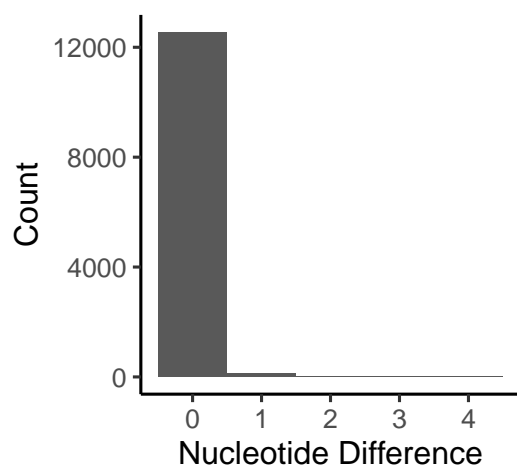
TRBV19*ap01

14701 sequences assigned
14521 (98.8%) exact matches, in which:
14265 unique CDR3
13 unique J



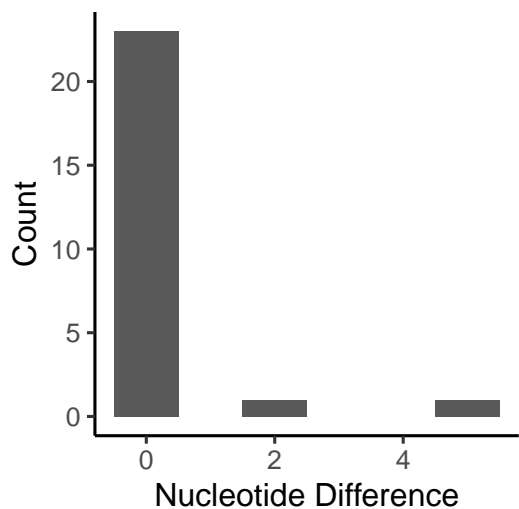
TRBV28*ap01

12708 sequences assigned
12551 (98.8%) exact matches, in which:
12236 unique CDR3
14 unique J



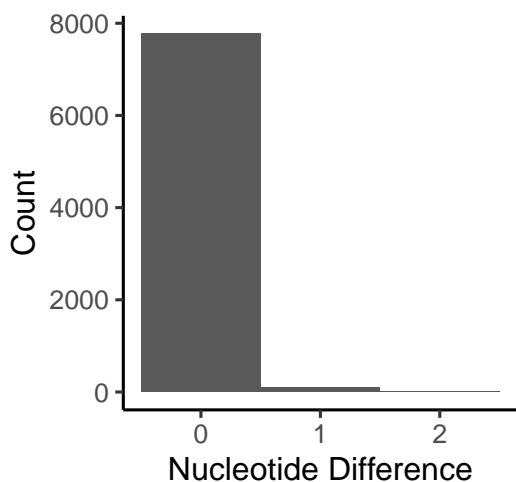
TRBV17*ap01

25 sequences assigned
23 (92%) exact matches, in which:
22 unique CDR3
10 unique J



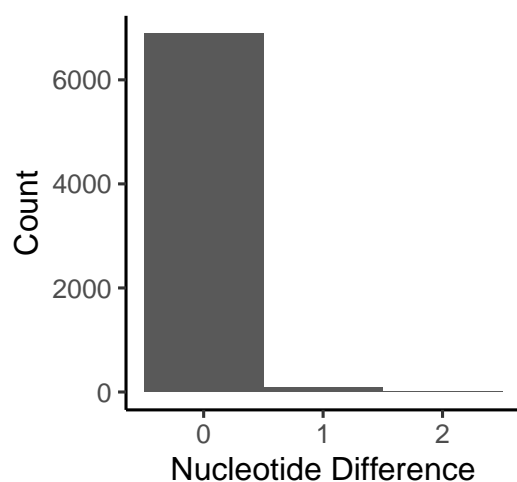
TRBV2*ap01

7870 sequences assigned
7773 (98.8%) exact matches, in which:
7583 unique CDR3
13 unique J



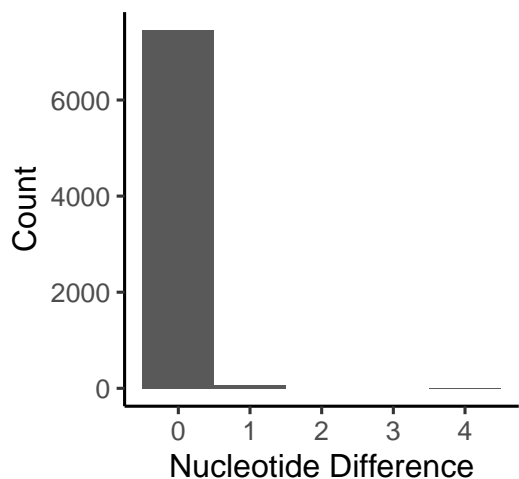
TRBV30*ap01

6981 sequences assigned
6886 (98.6%) exact matches, in which:
6785 unique CDR3
13 unique J



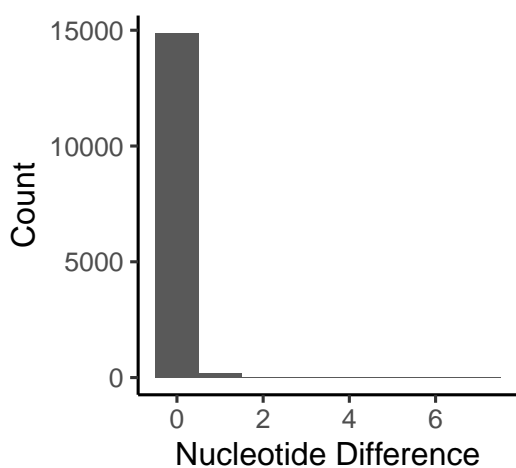
TRBV18*ap01

7520 sequences assigned
7456 (99.1%) exact matches, in which:
7334 unique CDR3
13 unique J



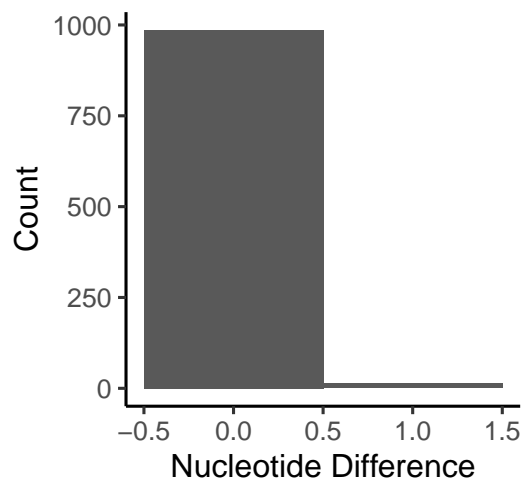
TRBV27*ap01

15105 sequences assigned
14890 (98.6%) exact matches, in which:
14448 unique CDR3
13 unique J



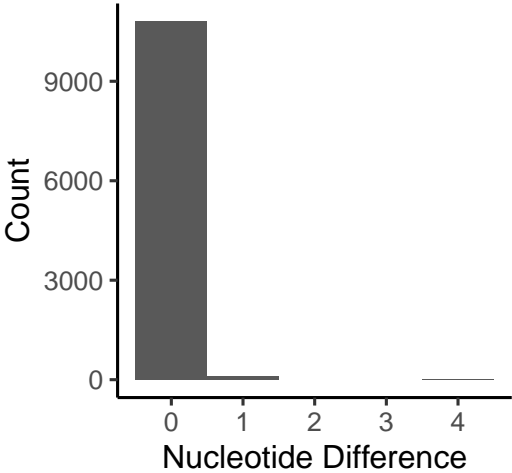
TRBV30*ap03

999 sequences assigned
986 (98.7%) exact matches, in which:
967 unique CDR3
13 unique J



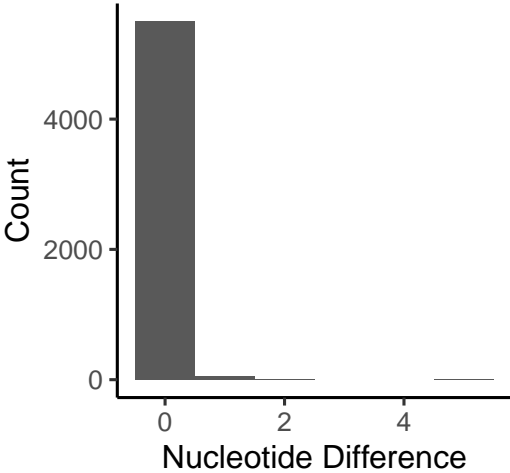
TRBV9*ap01

10924 sequences assigned
10806 (98.9%) exact matches, in which:
10533 unique CDR3
13 unique J



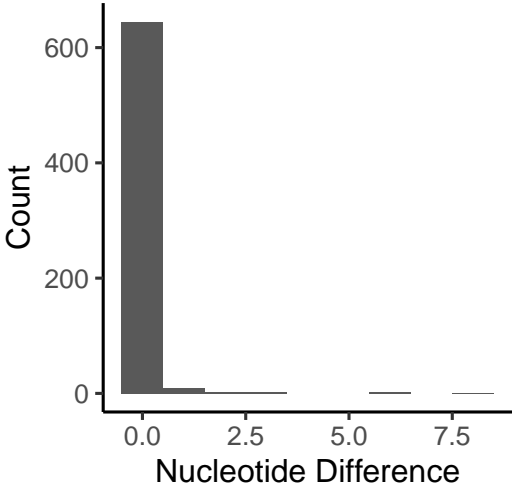
TRBV11-2*ap01

5557 sequences assigned
5500 (99%) exact matches, in which:
5347 unique CDR3
13 unique J



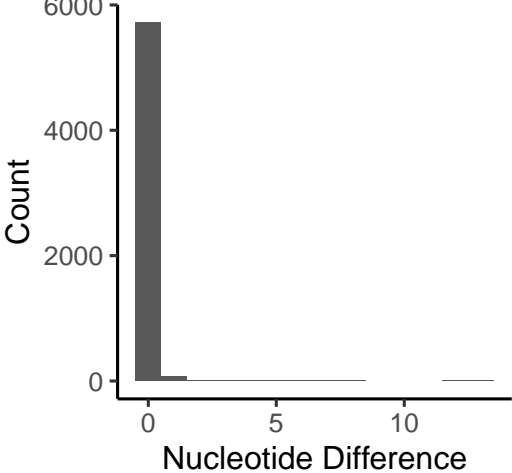
TRBV12-2*ap01

662 sequences assigned
645 (97.4%) exact matches, in which:
632 unique CDR3
13 unique J



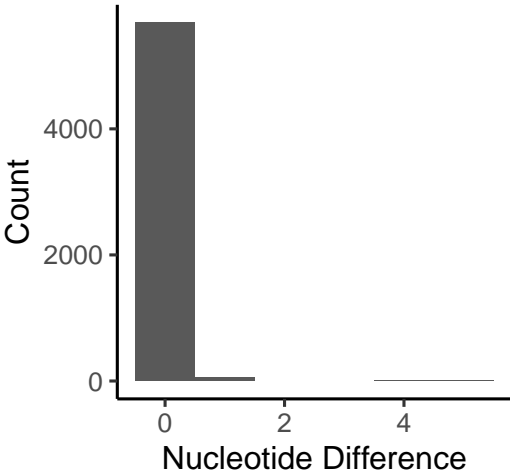
TRBV21-1*ap01

5838 sequences assigned
5716 (97.9%) exact matches, in which:
5600 unique CDR3
13 unique J



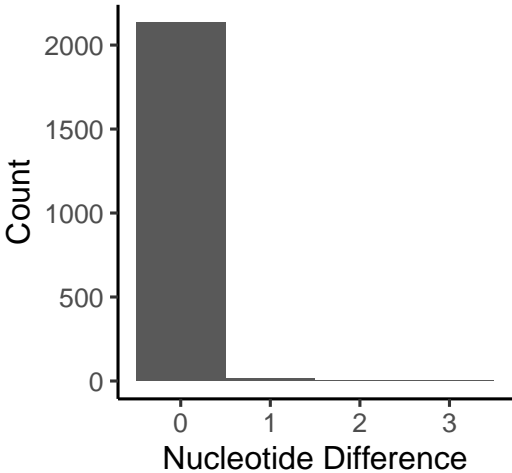
TRBV11-3*ap01

5750 sequences assigned
5684 (98.9%) exact matches, in which:
5527 unique CDR3
13 unique J



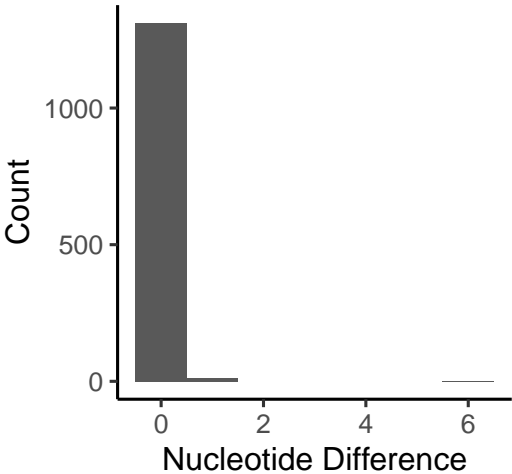
TRBV12-5*ap01

2151 sequences assigned
2133 (99.2%) exact matches, in which:
2069 unique CDR3
13 unique J



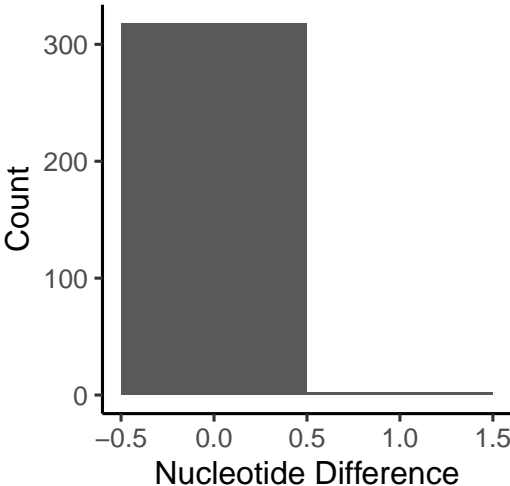
TRBV11-1*ap01

1325 sequences assigned
1311 (98.9%) exact matches, in which:
1280 unique CDR3
13 unique J



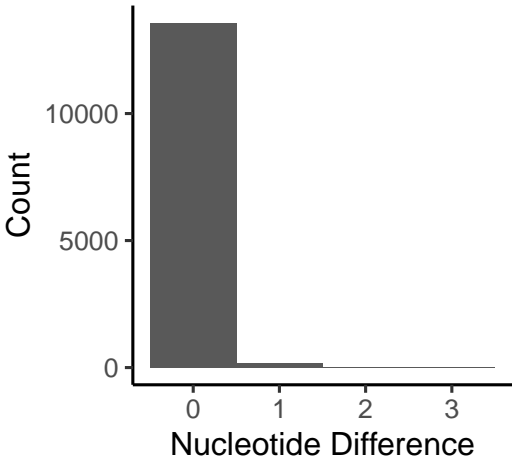
TRBV12-1*ap01

320 sequences assigned
318 (99.4%) exact matches, in which:
307 unique CDR3
13 unique J



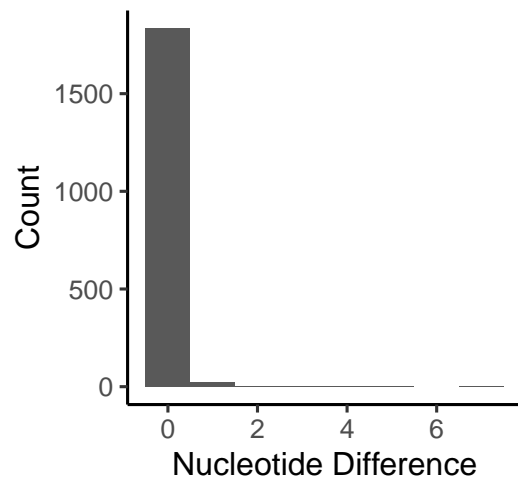
TRBV12-34*ap01

13739 sequences assigned
13572 (98.8%) exact matches, in which:
13260 unique CDR3
13 unique J



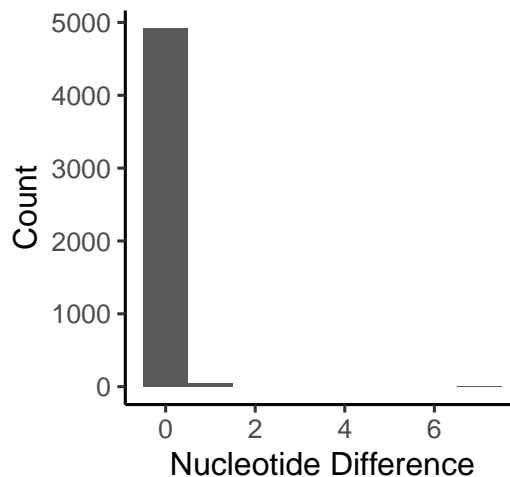
TRBV23-1*ap01

1864 sequences assigned
1834 (98.4%) exact matches, in which:
1774 unique CDR3
13 unique J



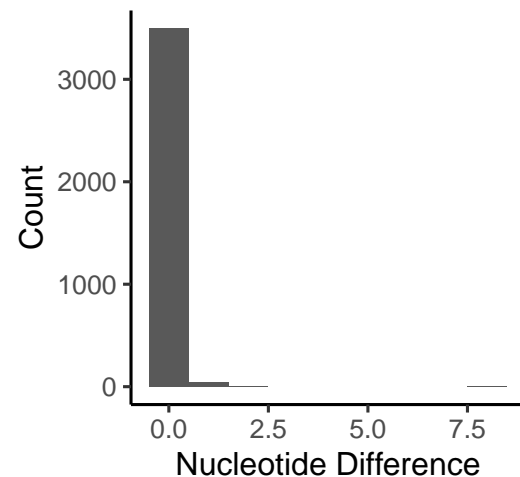
TRBV4-1*ap01

4968 sequences assigned
4918 (99%) exact matches, in which:
4799 unique CDR3
13 unique J



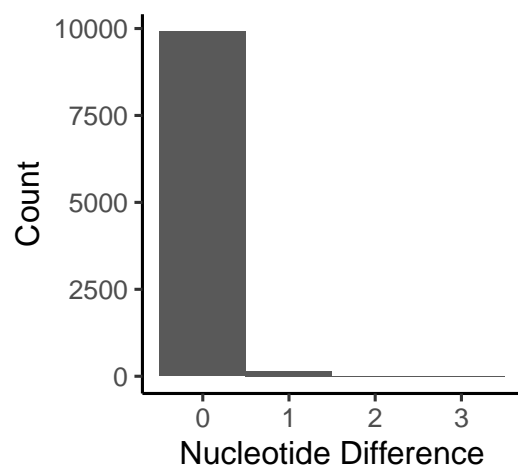
TRBV25-1*ap01

3549 sequences assigned
3497 (98.5%) exact matches, in which:
3412 unique CDR3
13 unique J



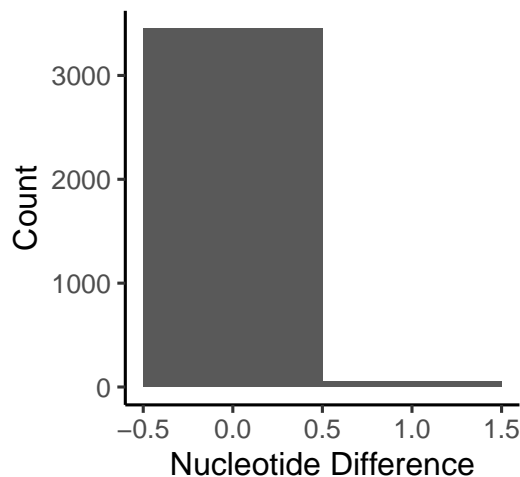
TRBV3-12*ap01

10076 sequences assigned
9915 (98.4%) exact matches, in which:
9664 unique CDR3
13 unique J



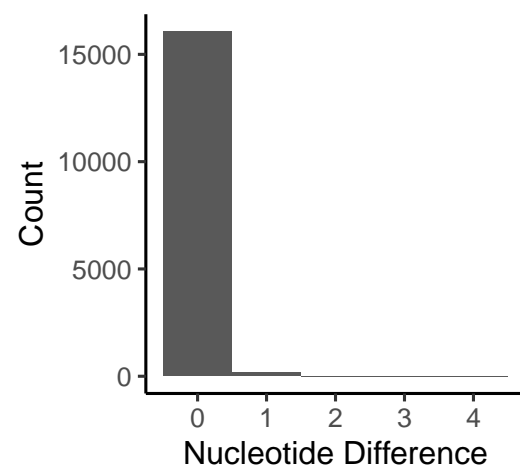
TRBV4-2*ap01

3506 sequences assigned
3450 (98.4%) exact matches, in which:
3372 unique CDR3
13 unique J



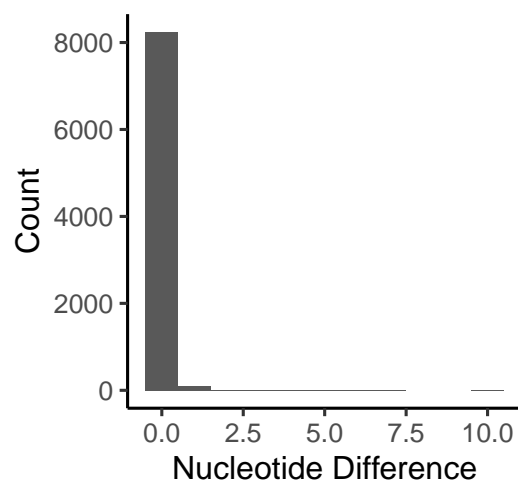
TRBV5-1*ap01

16255 sequences assigned
16067 (98.8%) exact matches, in which:
15618 unique CDR3
13 unique J



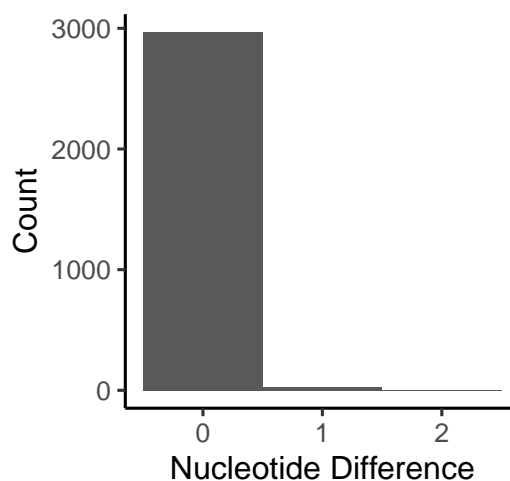
TRBV24-1*ap01

8367 sequences assigned
8241 (98.5%) exact matches, in which:
8073 unique CDR3
13 unique J



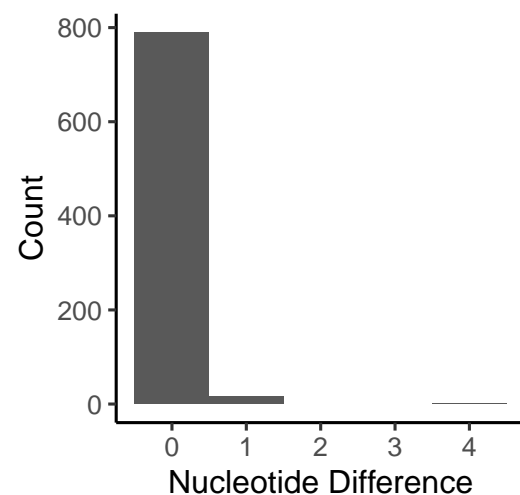
TRBV4-3*ap01

3000 sequences assigned
2969 (99%) exact matches, in which:
2880 unique CDR3
13 unique J



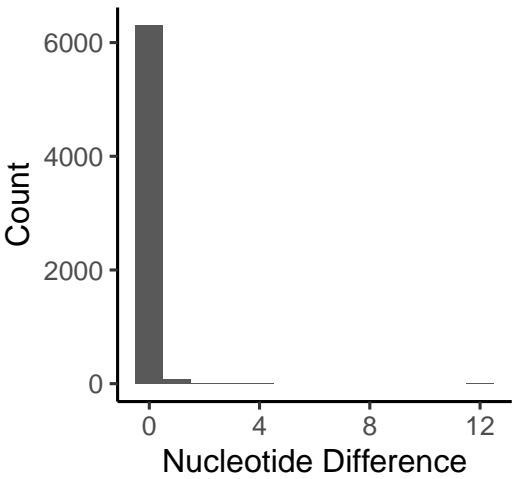
TRBV5-3*ap01

808 sequences assigned
790 (97.8%) exact matches, in which:
774 unique CDR3
13 unique J



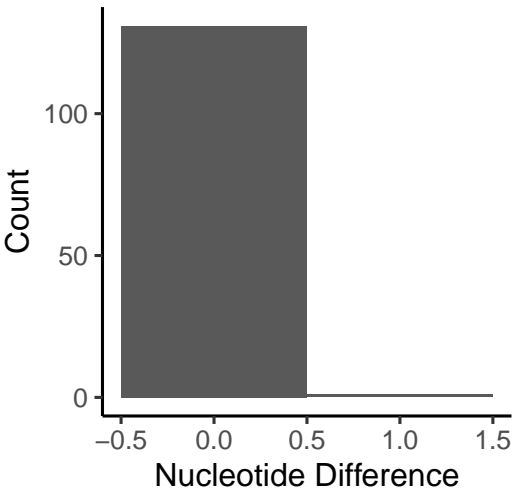
TRBV5-4*ap01

6389 sequences assigned
6302 (98.6%) exact matches, in which:
6115 unique CDR3
13 unique J



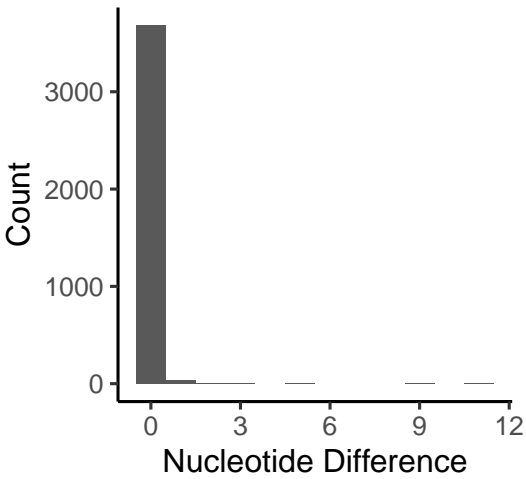
TRBV5-7*ap01

132 sequences assigned
131 (99.2%) exact matches, in which:
129 unique CDR3
13 unique J



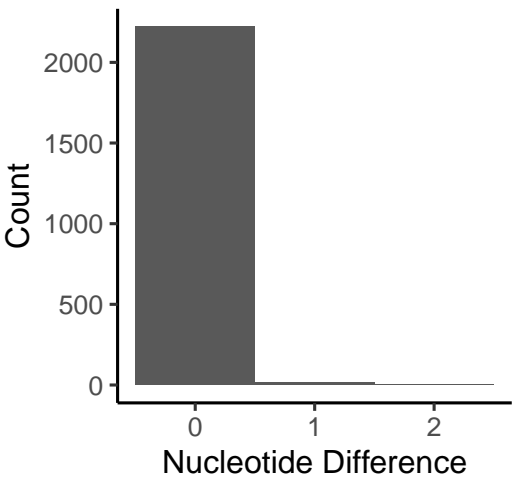
TRBV6-4*ap01

3736 sequences assigned
3682 (98.6%) exact matches, in which:
3595 unique CDR3
14 unique J



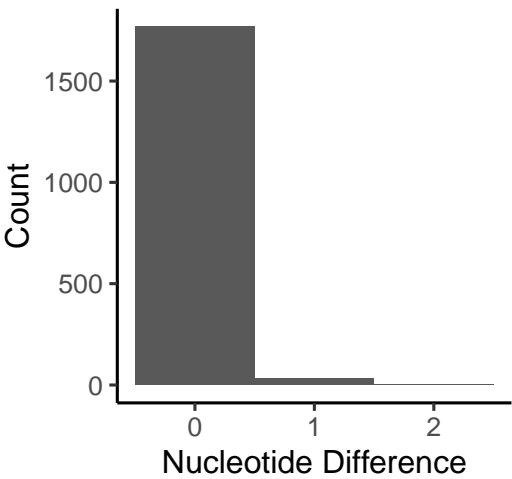
TRBV5-5*ap01

2239 sequences assigned
2221 (99.2%) exact matches, in which:
2175 unique CDR3
13 unique J



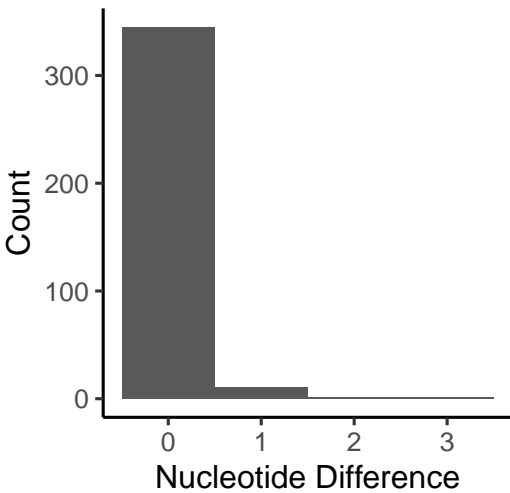
TRBV5-8*ap01

1802 sequences assigned
1768 (98.1%) exact matches, in which:
1728 unique CDR3
13 unique J



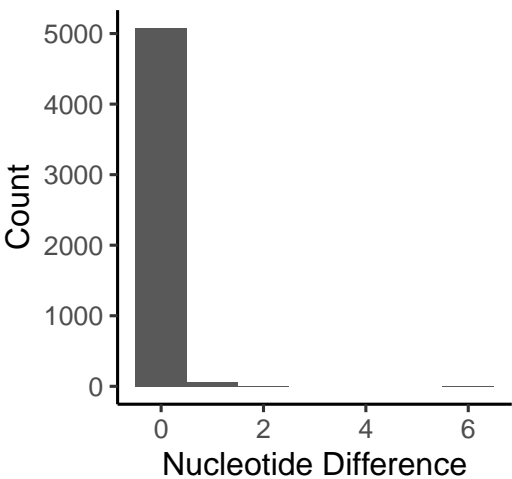
TRBV6-7*ap01

358 sequences assigned
345 (96.4%) exact matches, in which:
332 unique CDR3
13 unique J



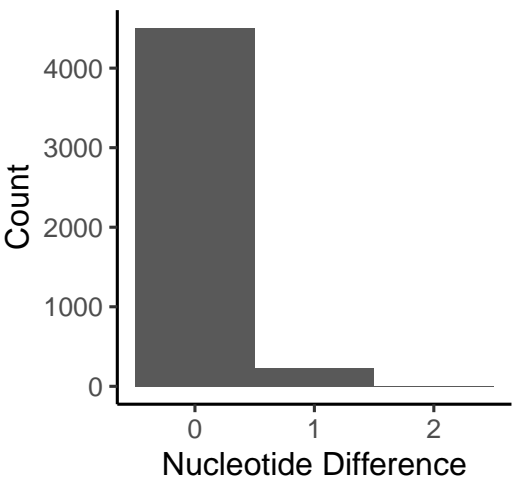
TRBV5-6*ap01

5138 sequences assigned
5078 (98.8%) exact matches, in which:
4948 unique CDR3
13 unique J



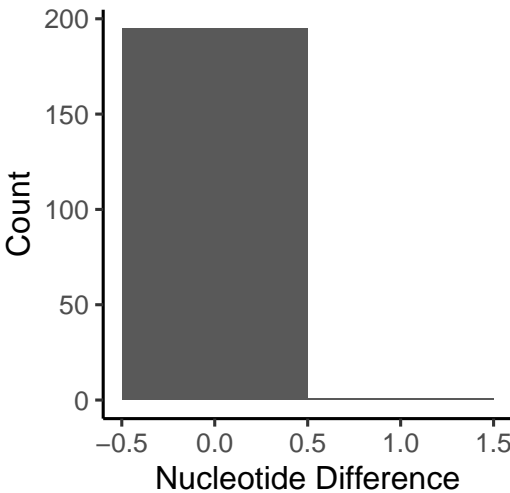
TRBV6-1*ap01

4738 sequences assigned
4504 (95.1%) exact matches, in which:
4380 unique CDR3
13 unique J



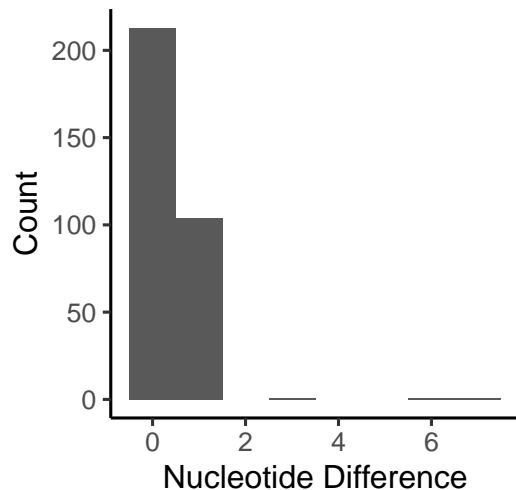
TRBV6-8*ap01

196 sequences assigned
195 (99.5%) exact matches, in which:
190 unique CDR3
13 unique J



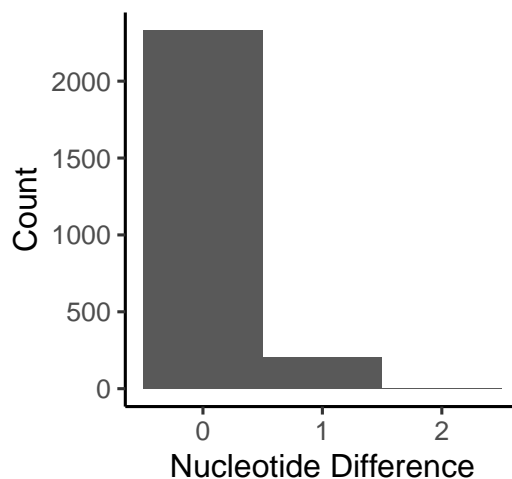
TRBV6-9*ap01

320 sequences assigned
213 (66.6%) exact matches, in which:
205 unique CDR3
13 unique J



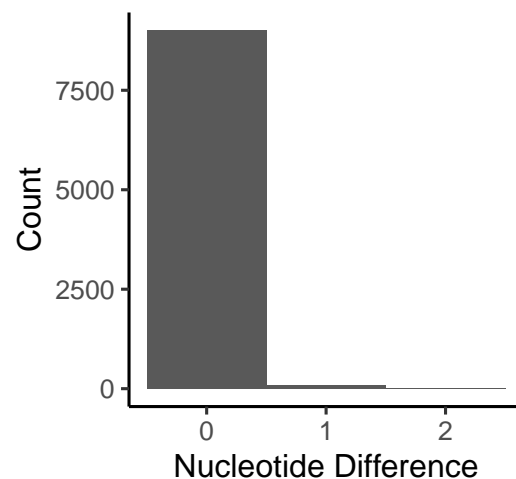
TRBV6-56*ap02

2540 sequences assigned
2330 (91.7%) exact matches, in which:
2267 unique CDR3
13 unique J



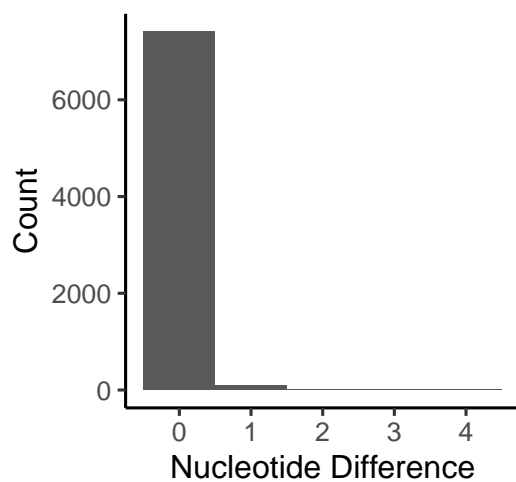
TRBV7-2*ap01

9096 sequences assigned
9005 (99%) exact matches, in which:
8811 unique CDR3
13 unique J



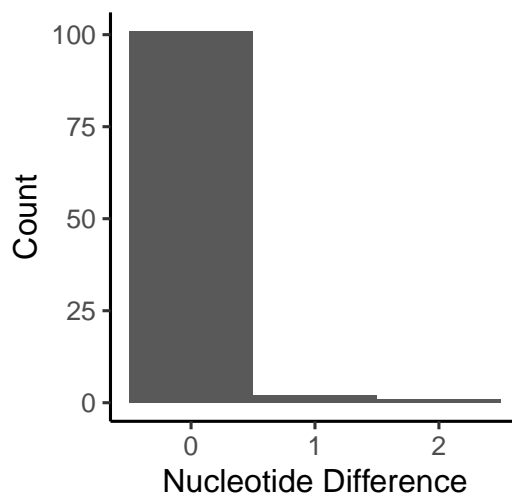
TRBV6-23*ap01

7502 sequences assigned
7408 (98.7%) exact matches, in which:
7212 unique CDR3
13 unique J



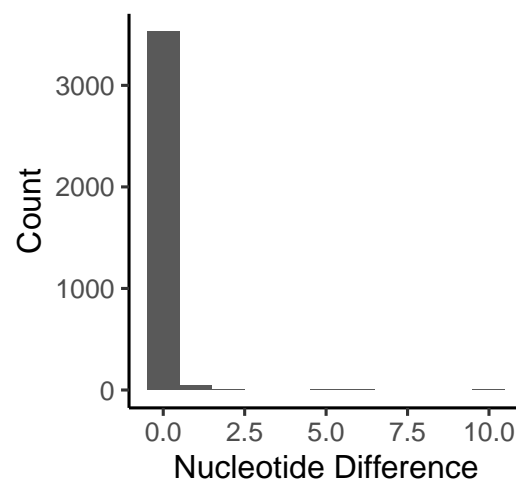
TRBV7-1*ap01_G291C_

104 sequences assigned
101 (97.1%) exact matches, in which:
98 unique CDR3
12 unique J



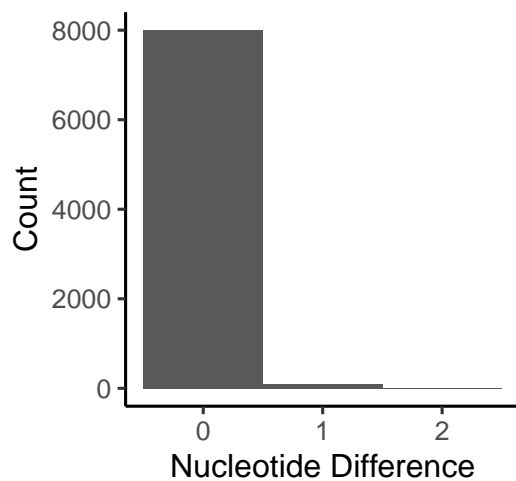
TRBV7-3*ap01

3580 sequences assigned
3528 (98.5%) exact matches, in which:
3455 unique CDR3
13 unique J



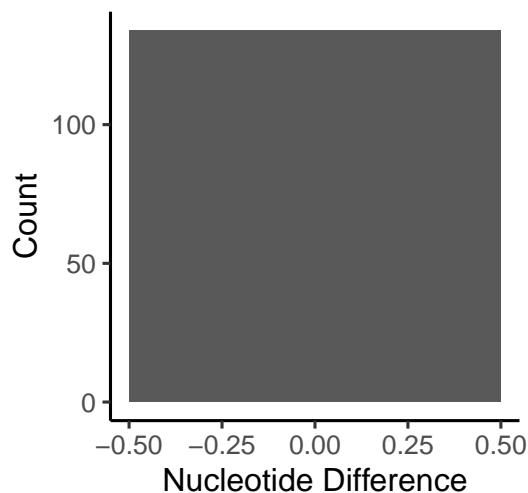
TRBV6-56*ap01

8101 sequences assigned
8003 (98.8%) exact matches, in which:
7796 unique CDR3
13 unique J



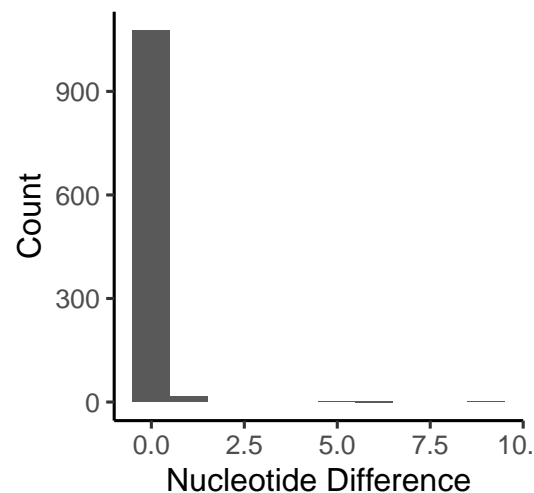
TRBV7-1*ap01_G291C_

134 sequences assigned
134 (100%) exact matches, in which:
130 unique CDR3
13 unique J



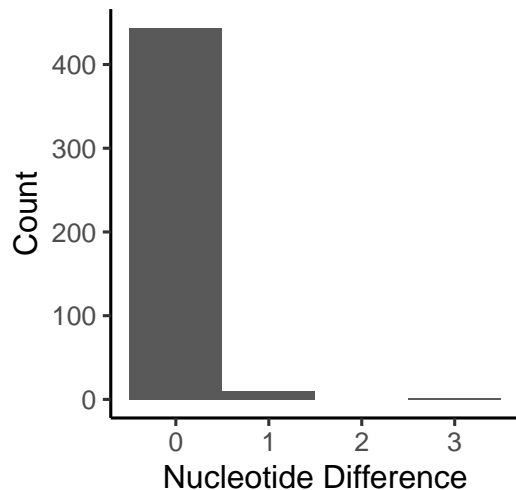
TRBV7-3*ap03

1098 sequences assigned
1077 (98.1%) exact matches, in which:
1040 unique CDR3
13 unique J



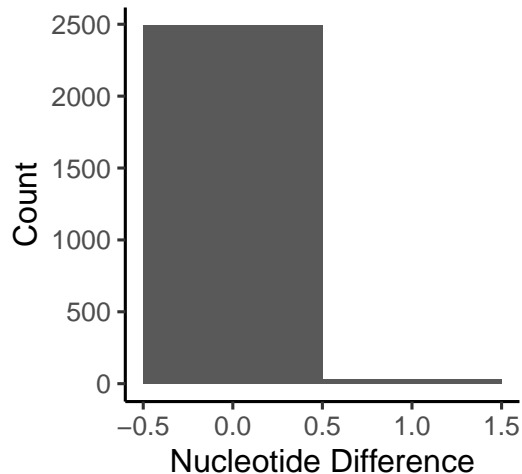
TRBV7-4*ap01

456 sequences assigned
444 (97.4%) exact matches, in which:
427 unique CDR3
13 unique J



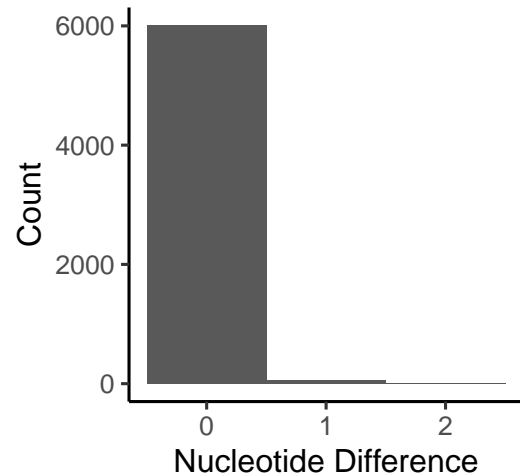
TRBV7-8*ap01

2522 sequences assigned
2492 (98.8%) exact matches, in which:
2428 unique CDR3
13 unique J



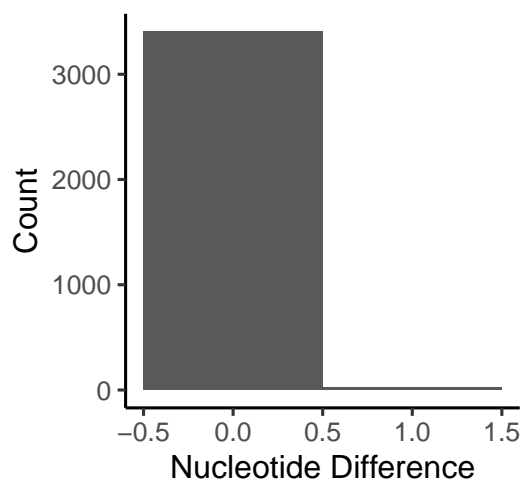
TRBV29-1*ap01

6073 sequences assigned
6008 (98.9%) exact matches, in which:
5891 unique CDR3
13 unique J



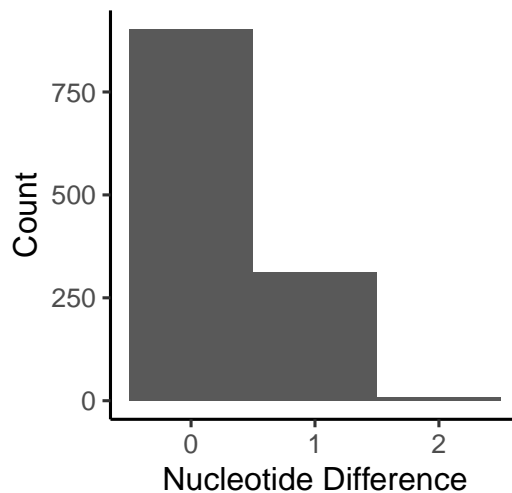
TRBV7-6*ap01

3432 sequences assigned
3404 (99.2%) exact matches, in which:
3324 unique CDR3
13 unique J



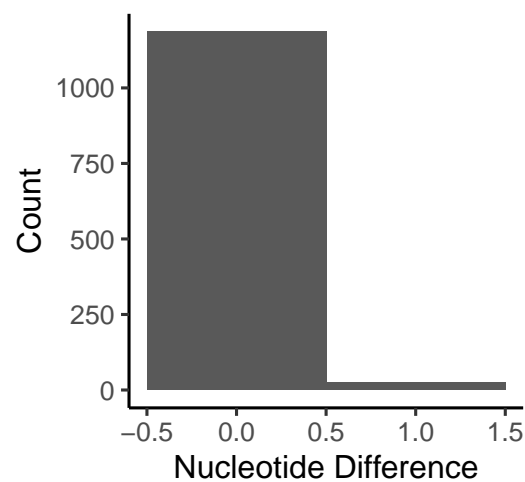
TRBV7-8*ap03

1223 sequences assigned
903 (73.8%) exact matches, in which:
884 unique CDR3
13 unique J



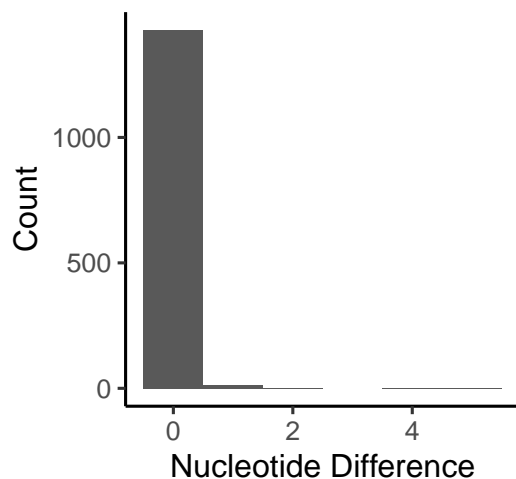
TRBV29-1*ap02

1211 sequences assigned
1186 (97.9%) exact matches, in which:
1162 unique CDR3
13 unique J



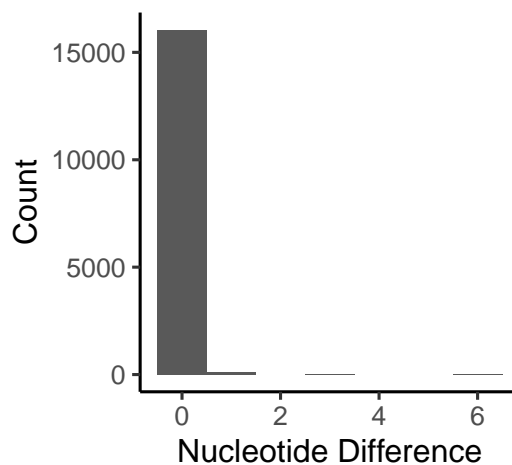
TRBV7-7*ap01_C315T

1445 sequences assigned
1428 (98.8%) exact matches, in which:
1400 unique CDR3
13 unique J

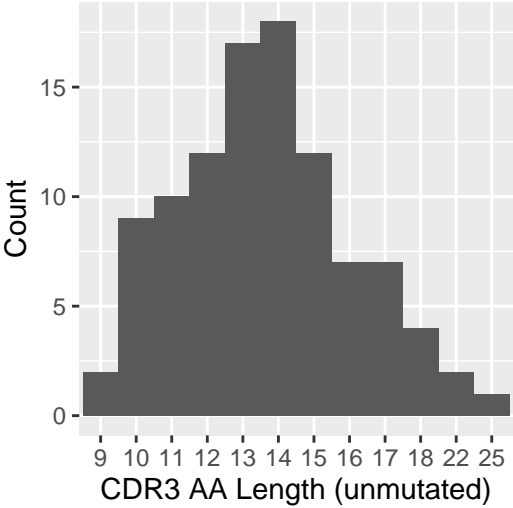


TRBV7-9*ap01

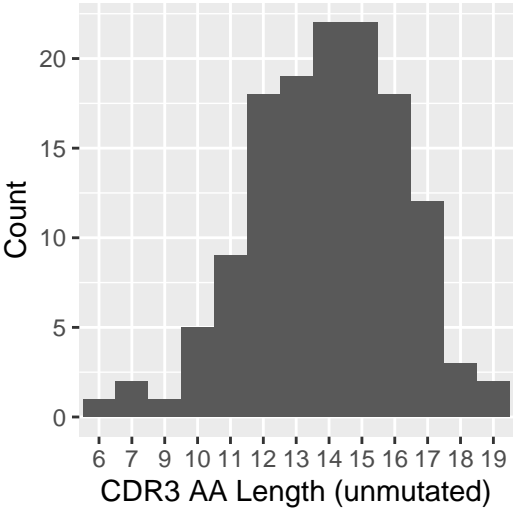
16190 sequences assigned
16051 (99.1%) exact matches, in which:
15735 unique CDR3
13 unique J



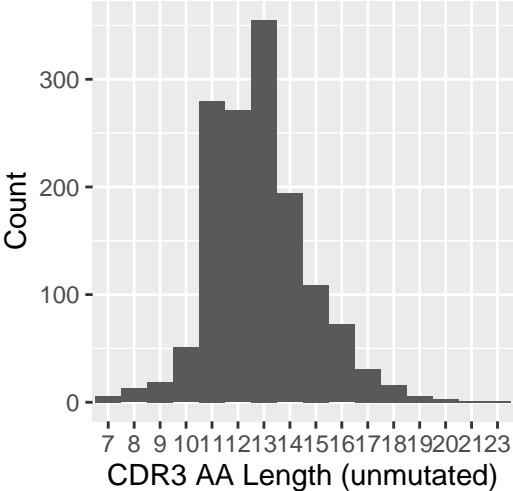
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]