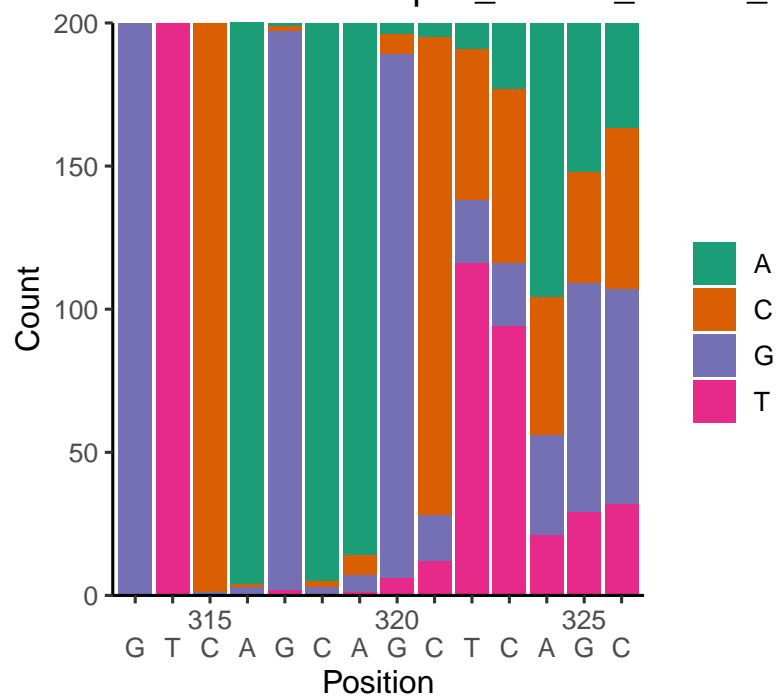
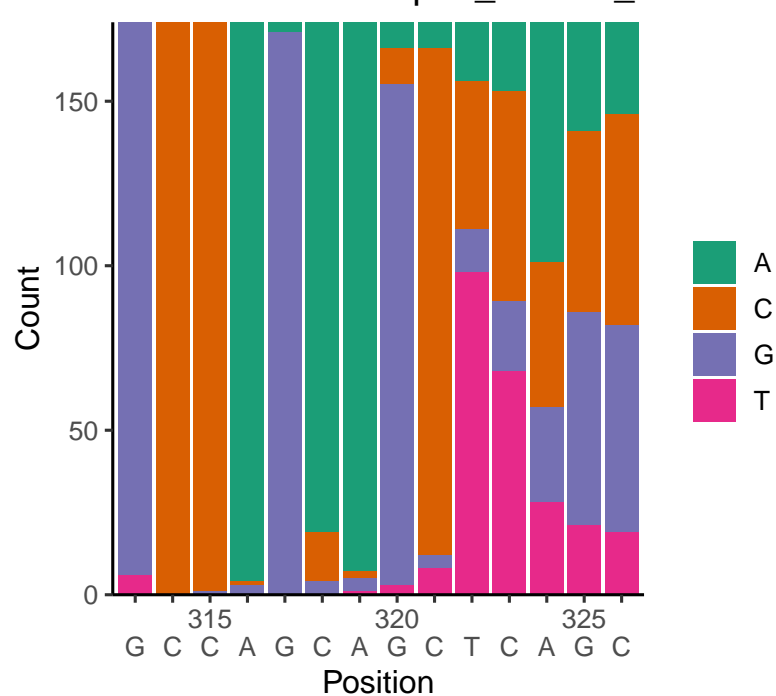


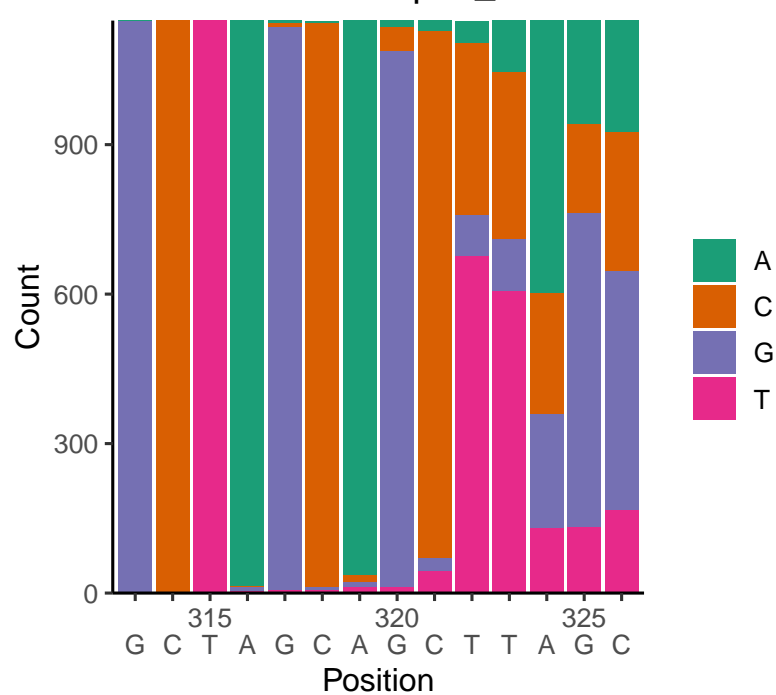
Gene TRBV7-1*ap01_G291C_T296C_C314T



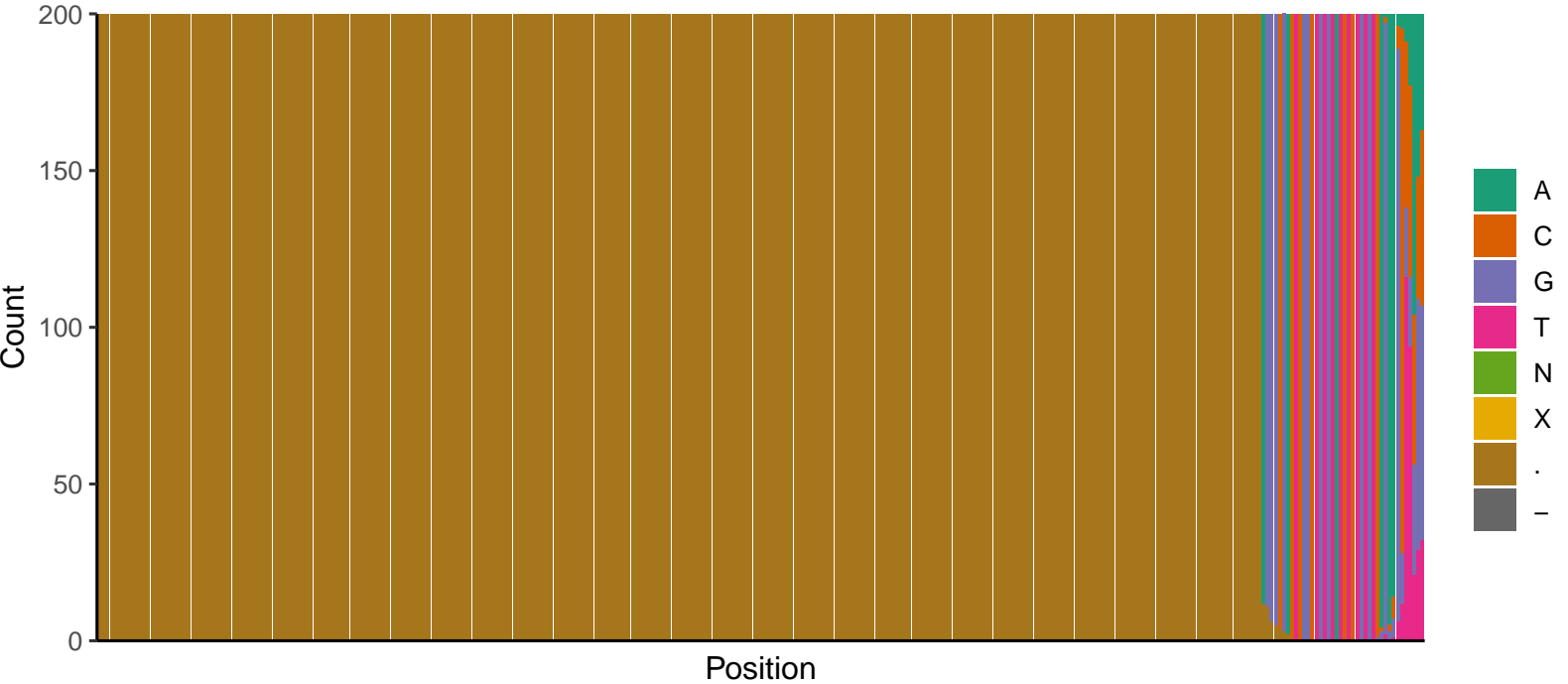
Gene TRBV7-1*ap01_G291C_T296C



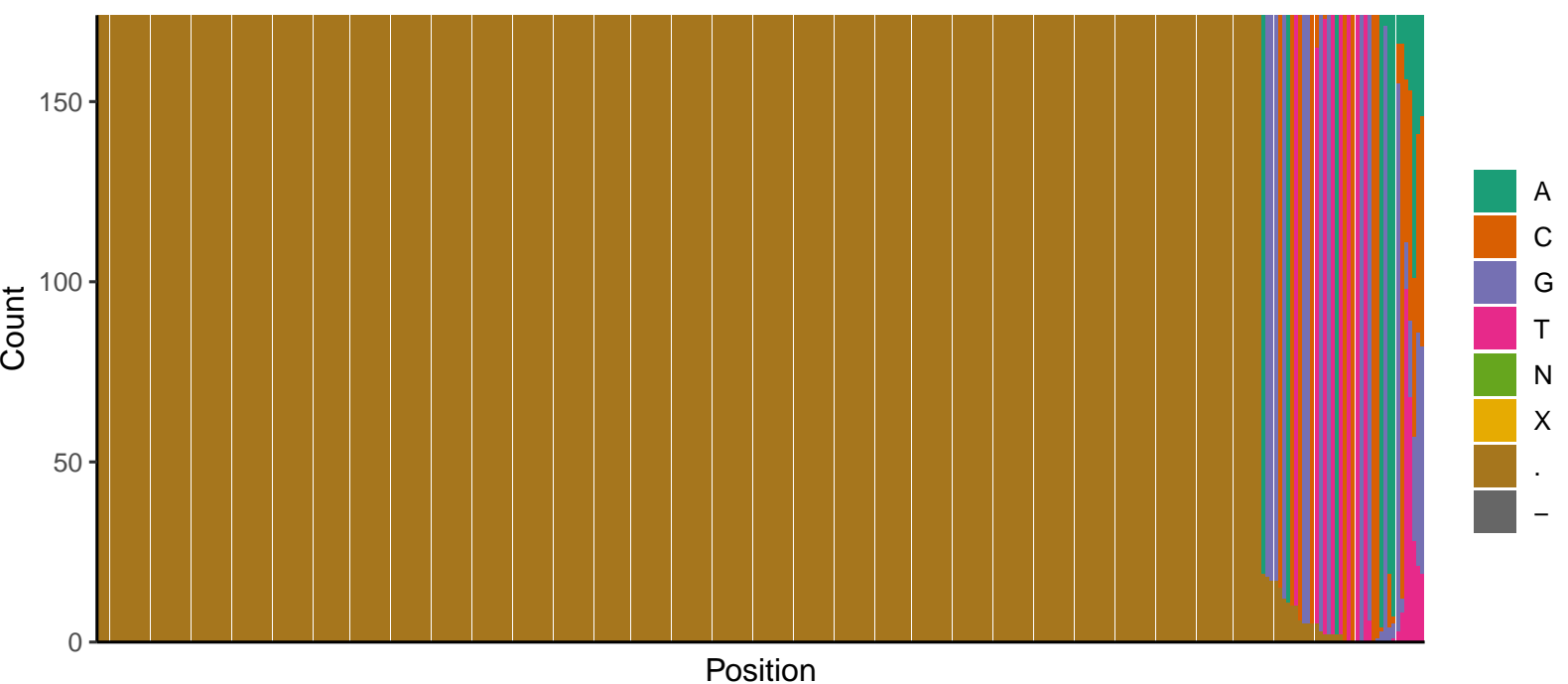
Gene TRBV7-7*ap01_C315T



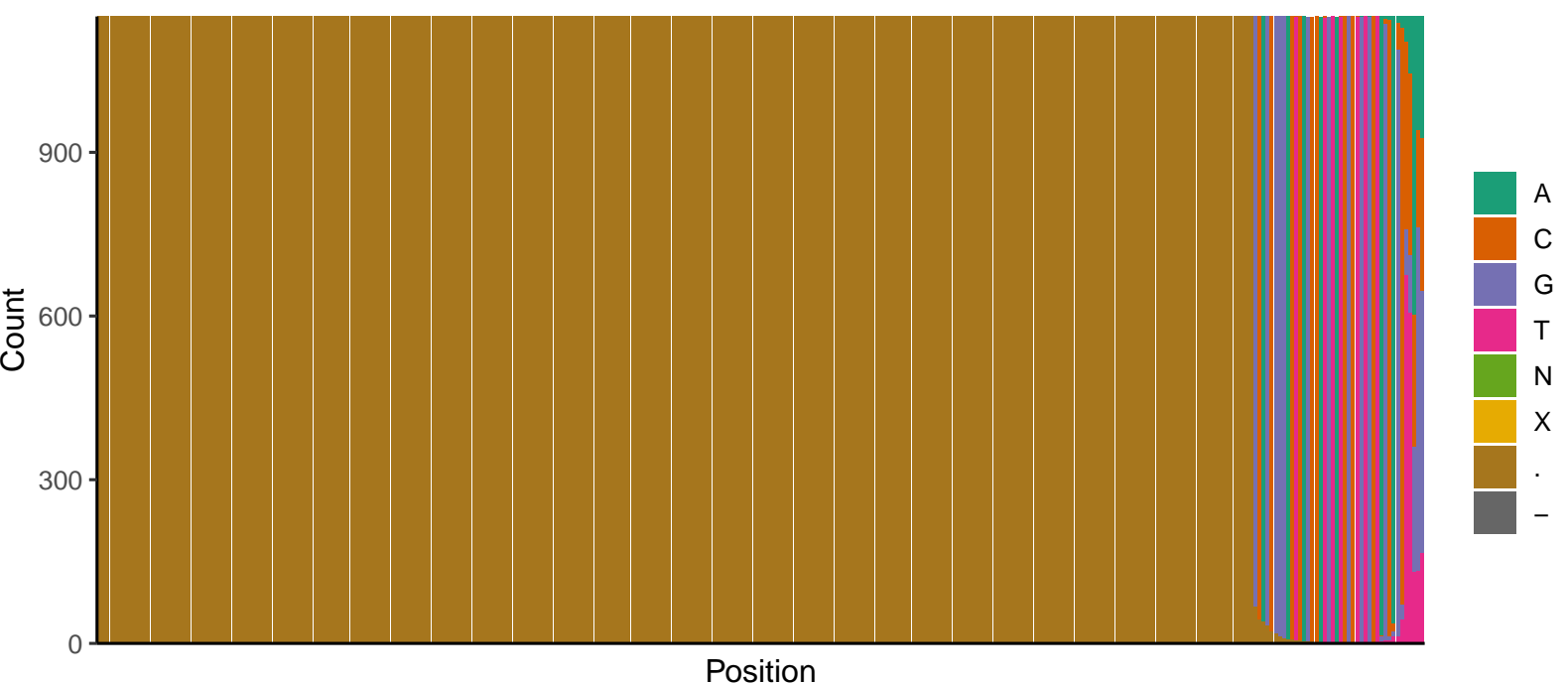
Gene TRBV7-1*ap01_G291C_T296C_C314T



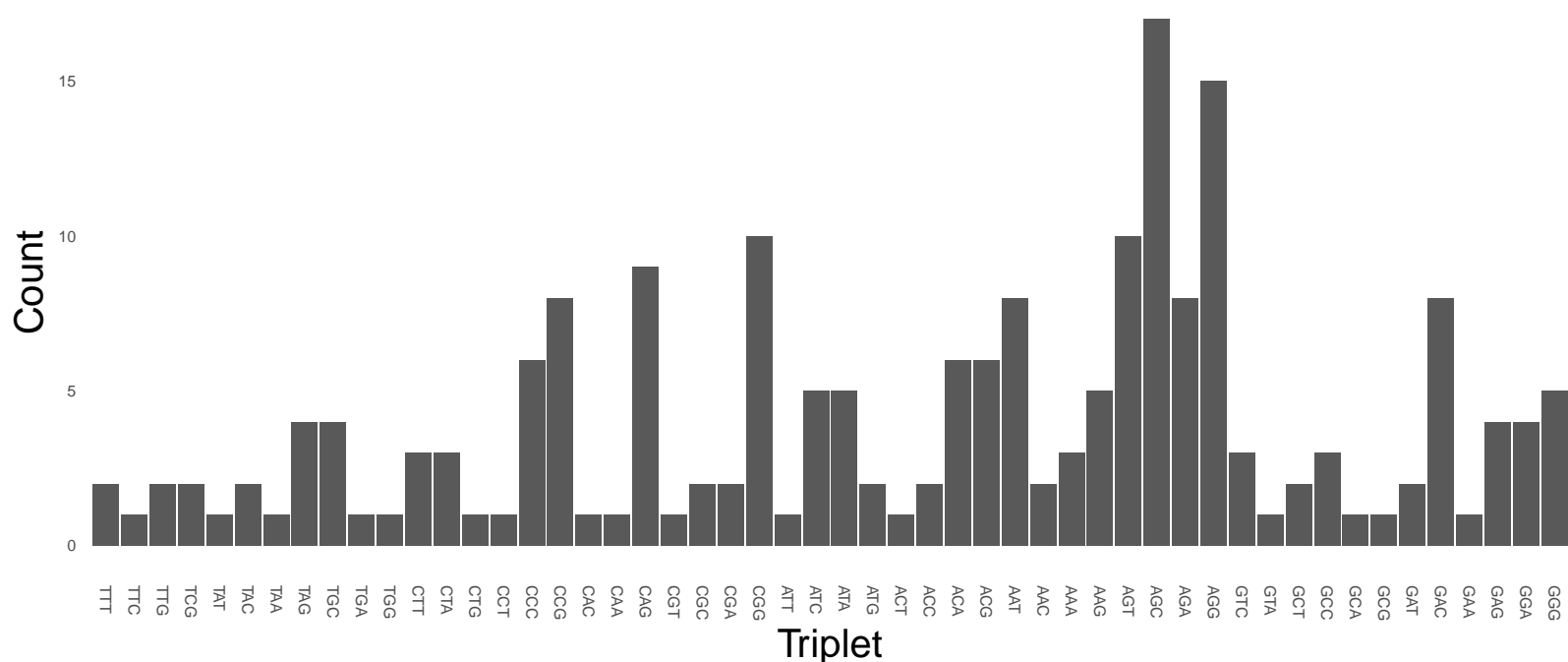
Gene TRBV7-1*ap01_G291C_T296C



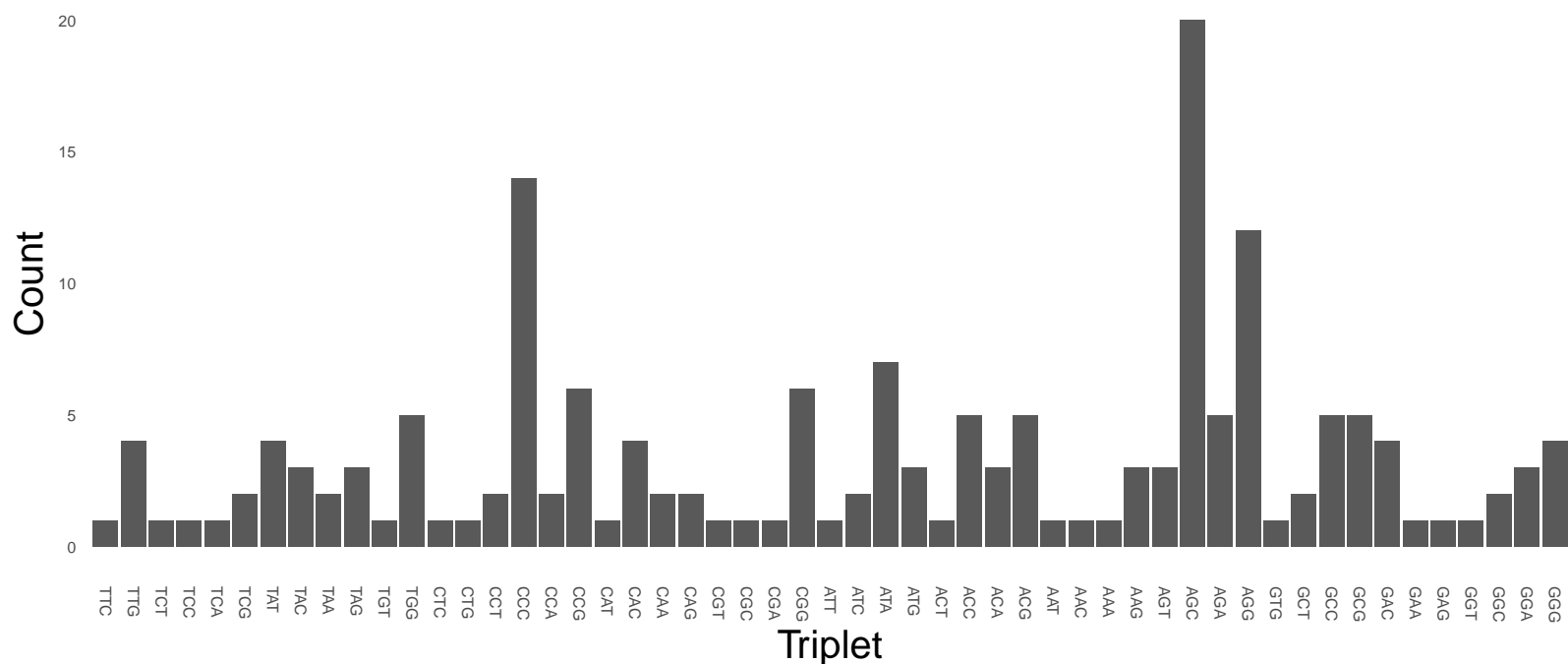
Gene TRBV7-7*ap01_C315T



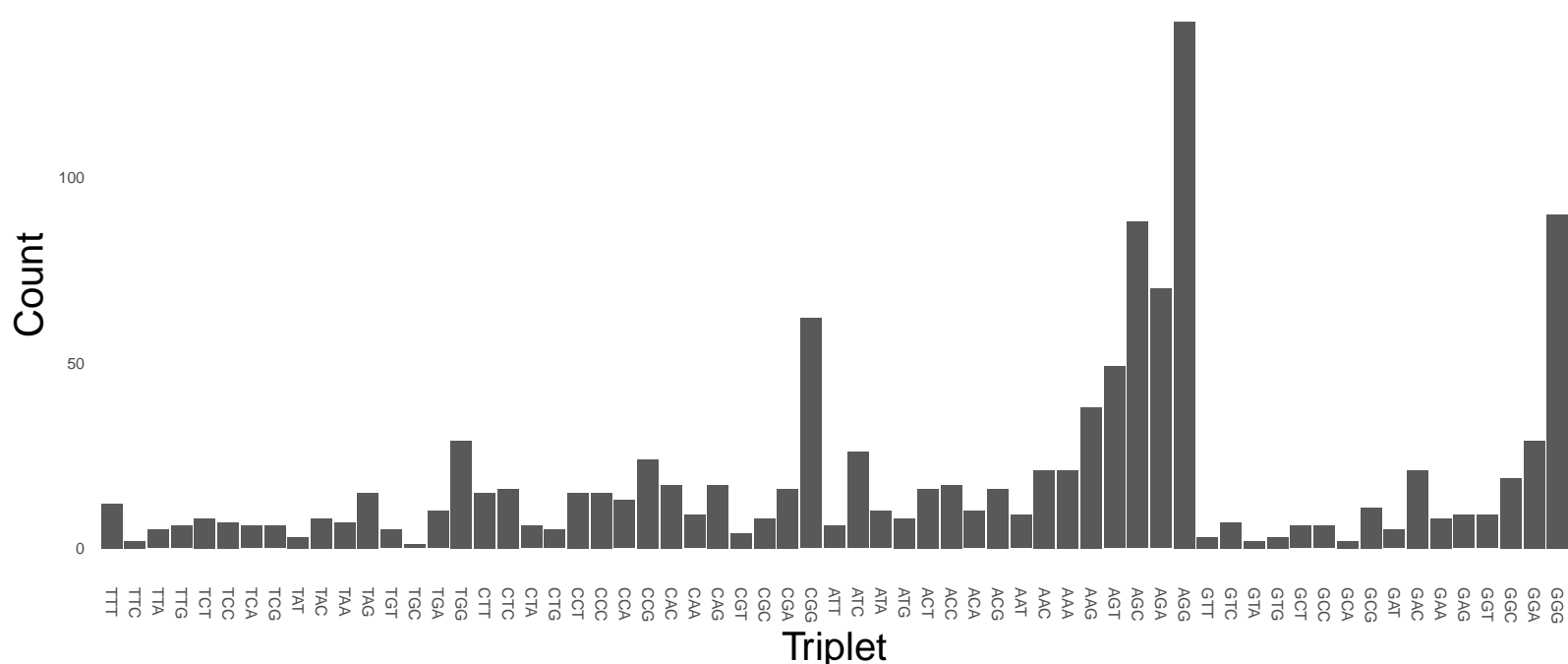
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

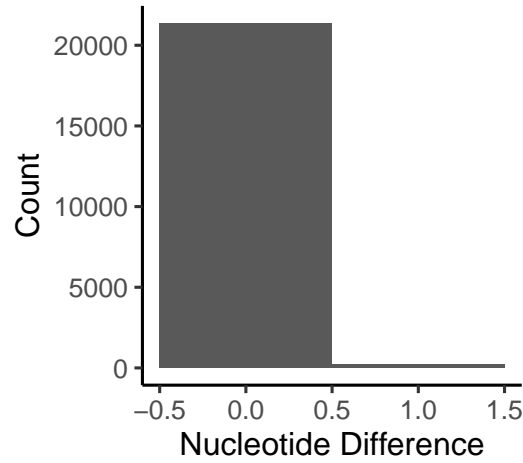


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



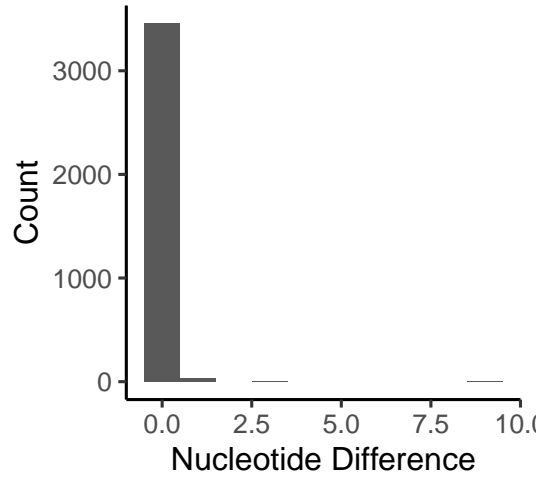
TRBV20-1*ap01

21580 sequences assigned
21370 (99%) exact matches, in which:
20872 unique CDR3
13 unique J



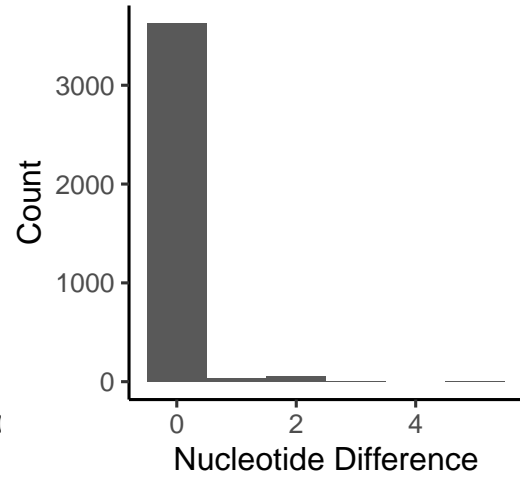
TRBV10-2*ap01

3497 sequences assigned
3457 (98.9%) exact matches, in which:
3341 unique CDR3
13 unique J



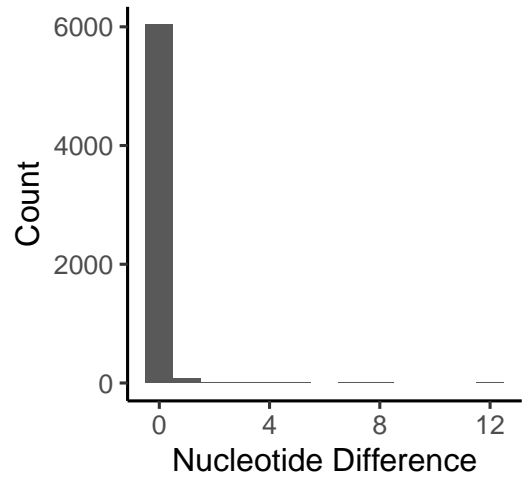
TRBV13*ap01

3722 sequences assigned
3626 (97.4%) exact matches, in which:
3490 unique CDR3
13 unique J



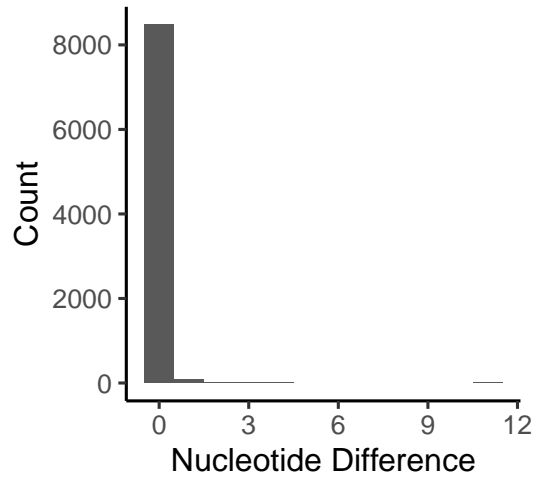
TRBV10-1*ap01

6120 sequences assigned
6035 (98.6%) exact matches, in which:
5841 unique CDR3
13 unique J



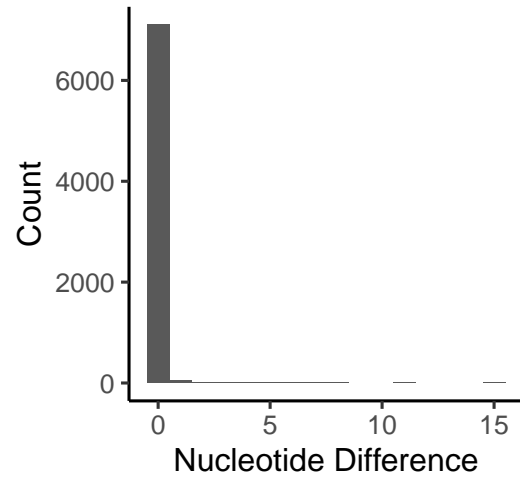
TRBV10-3*ap01

8576 sequences assigned
8477 (98.8%) exact matches, in which:
8240 unique CDR3
13 unique J



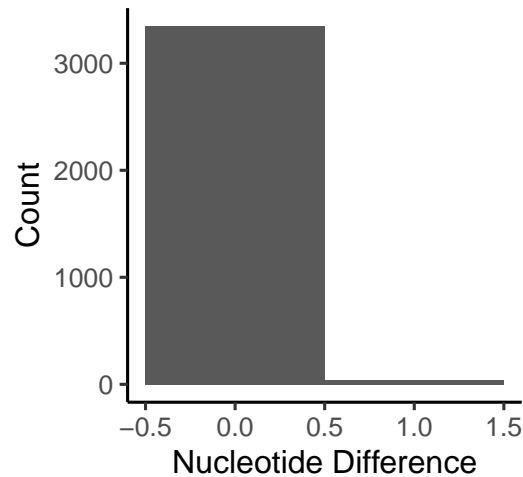
TRBV14*ap01

7175 sequences assigned
7104 (99%) exact matches, in which:
6951 unique CDR3
13 unique J



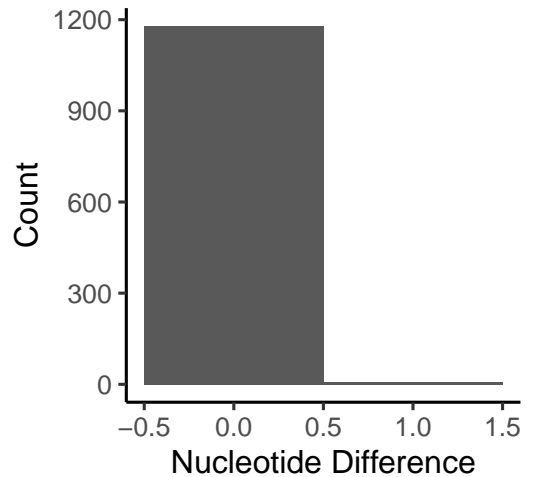
TRBV20-1*ap02

3387 sequences assigned
3348 (98.8%) exact matches, in which:
3283 unique CDR3
13 unique J



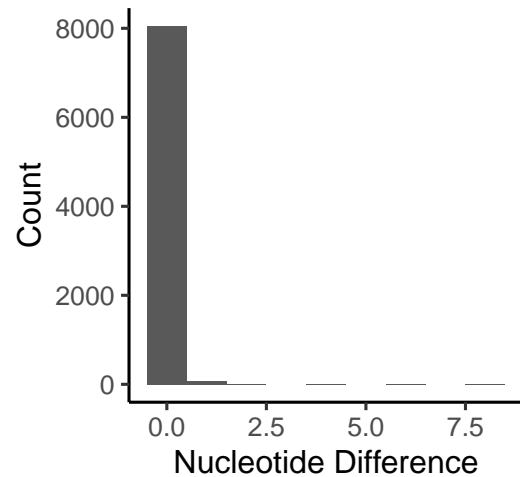
TRBV1*ap01

1187 sequences assigned
1179 (99.3%) exact matches, in which:
1139 unique CDR3
13 unique J



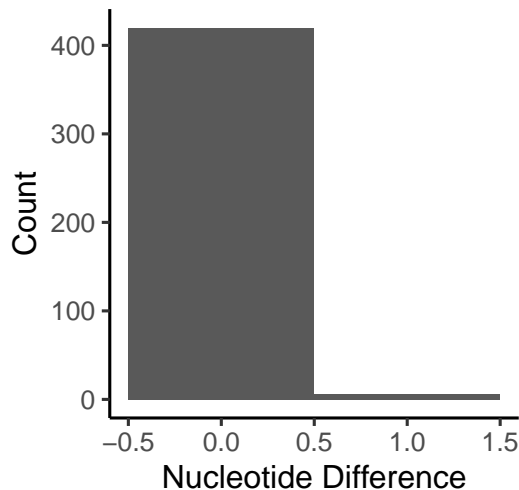
TRBV15*ap02

8132 sequences assigned
8051 (99%) exact matches, in which:
7793 unique CDR3
13 unique J



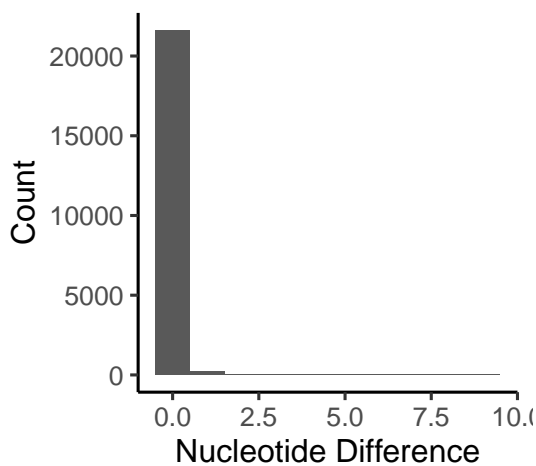
TRBV16*ap01

426 sequences assigned
420 (98.6%) exact matches, in which:
416 unique CDR3
13 unique J



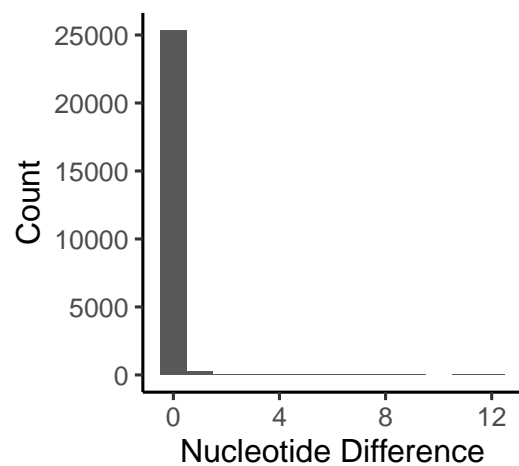
TRBV19*ap01

21860 sequences assigned
21623 (98.9%) exact matches, in which:
21260 unique CDR3
13 unique J



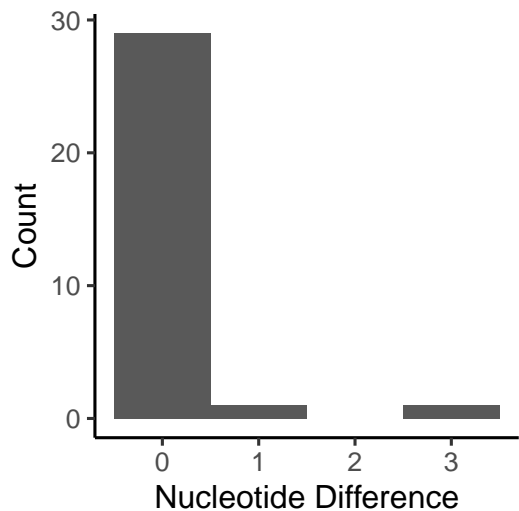
TRBV27*ap01

25664 sequences assigned
25356 (98.8%) exact matches, in which:
24539 unique CDR3
13 unique J



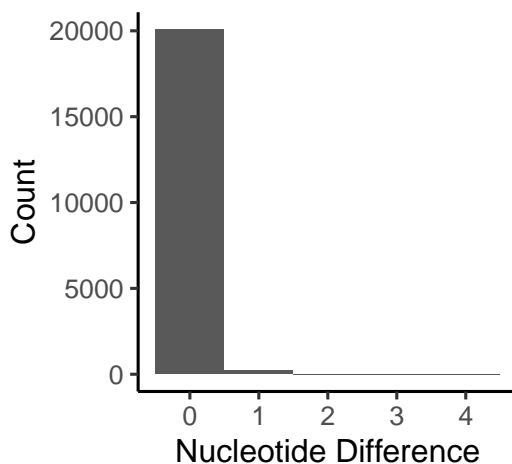
TRBV17*ap01

31 sequences assigned
29 (93.5%) exact matches, in which:
29 unique CDR3
9 unique J



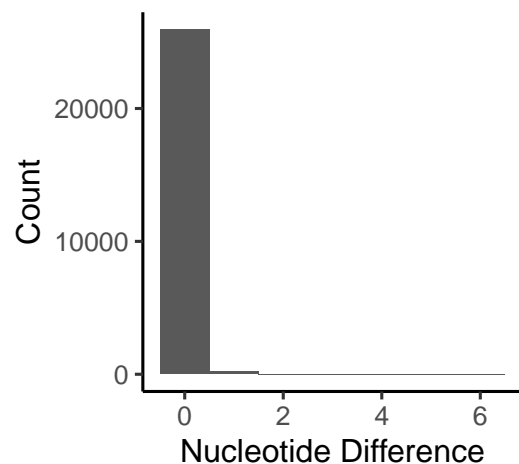
TRBV2*ap01

20299 sequences assigned
20078 (98.9%) exact matches, in which:
19421 unique CDR3
13 unique J



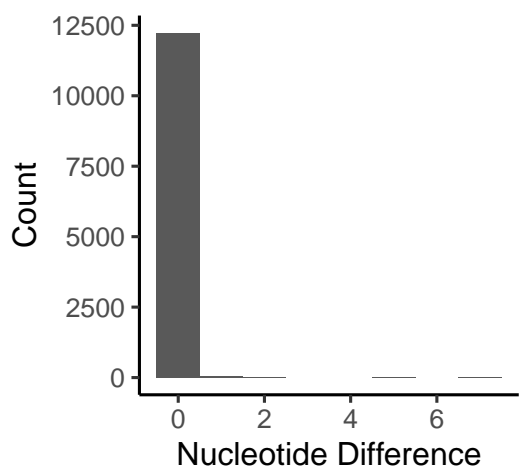
TRBV28*ap01

26173 sequences assigned
25946 (99.1%) exact matches, in which:
25371 unique CDR3
13 unique J



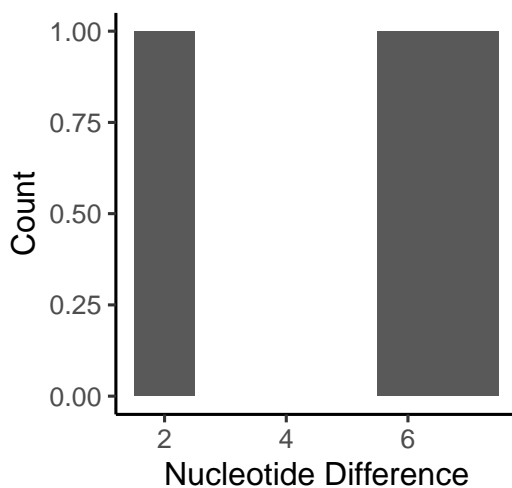
TRBV18*ap01

12305 sequences assigned
12234 (99.4%) exact matches, in which:
12019 unique CDR3
13 unique J



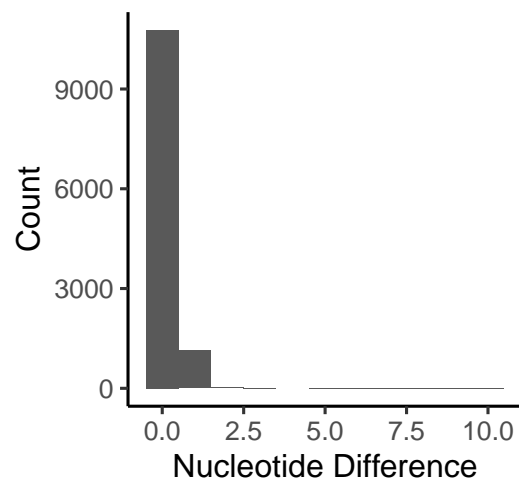
TRBV26*ap01

3 sequences assigned
No exact matches.



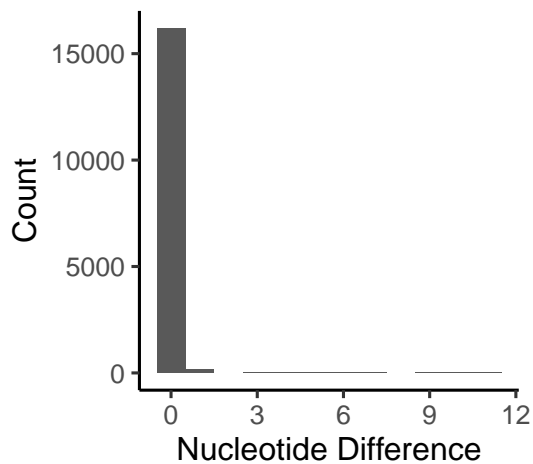
TRBV30*ap01

11949 sequences assigned
10773 (90.2%) exact matches, in which:
10483 unique CDR3
13 unique J



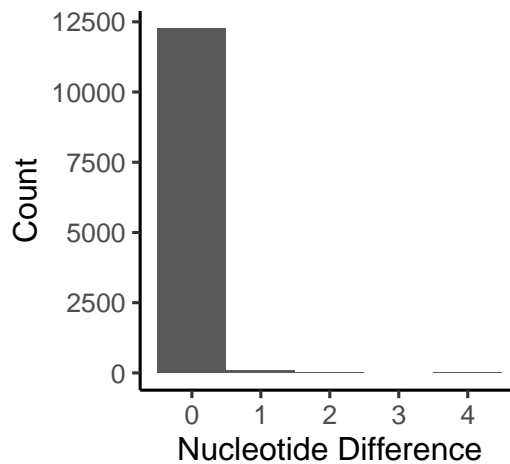
TRBV9*ap01

16358 sequences assigned
16198 (99%) exact matches, in which:
15862 unique CDR3
13 unique J



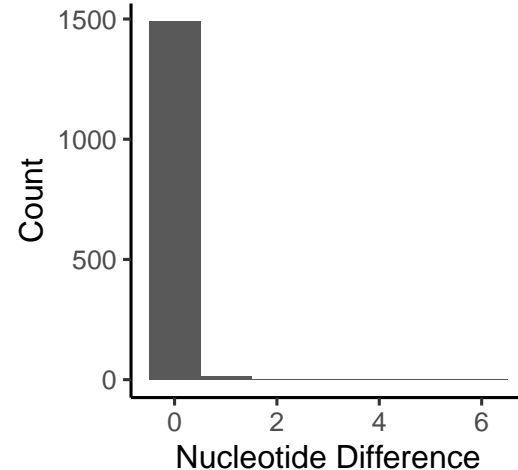
TRBV11-2*ap01

12358 sequences assigned
12274 (99.3%) exact matches, in which:
12021 unique CDR3
13 unique J



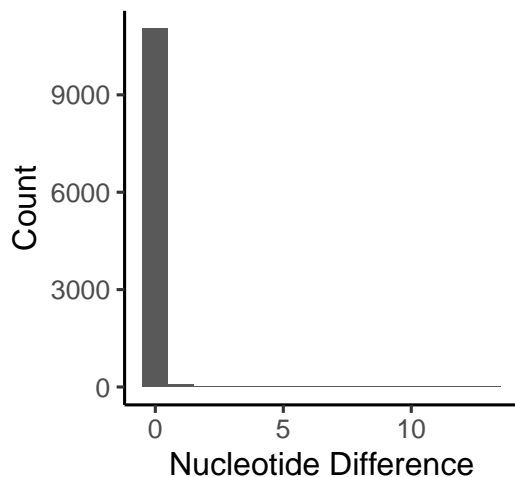
TRBV12-2*ap01

1515 sequences assigned
1490 (98.3%) exact matches, in which:
1455 unique CDR3
13 unique J



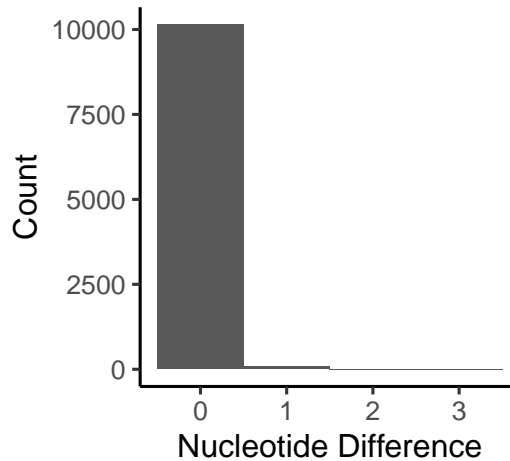
TRBV21-1*ap01

11186 sequences assigned
11036 (98.7%) exact matches, in which:
10794 unique CDR3
14 unique J



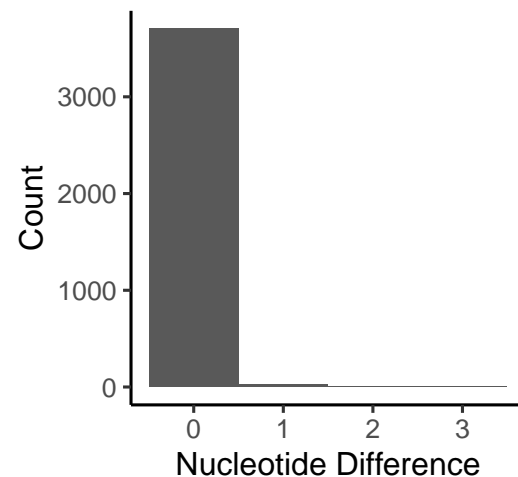
TRBV11-3*ap01

10233 sequences assigned
10148 (99.2%) exact matches, in which:
9939 unique CDR3
14 unique J



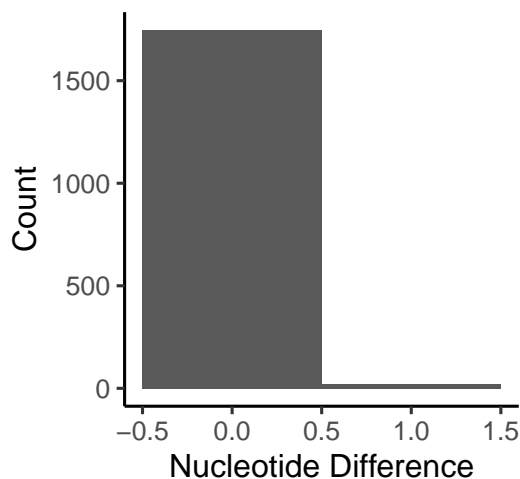
TRBV12-5*ap01

3730 sequences assigned
3704 (99.3%) exact matches, in which:
3614 unique CDR3
13 unique J



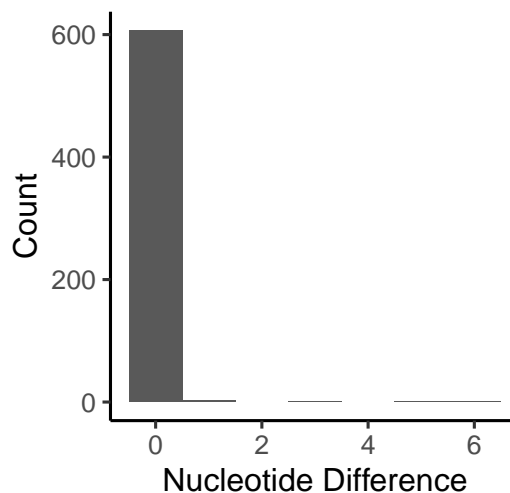
TRBV11-1*ap01

1767 sequences assigned
1747 (98.9%) exact matches, in which:
1698 unique CDR3
13 unique J



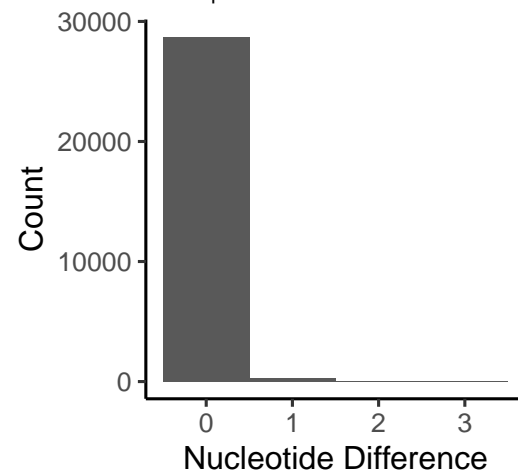
TRBV12-1*ap01

613 sequences assigned
607 (99%) exact matches, in which:
589 unique CDR3
13 unique J



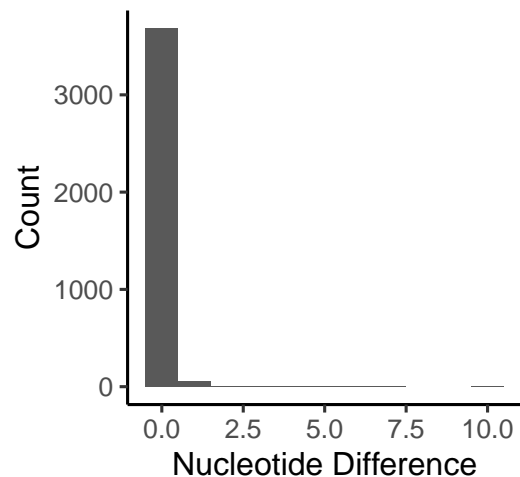
TRBV12-34*ap01

29024 sequences assigned
28721 (99%) exact matches, in which:
28007 unique CDR3
13 unique J



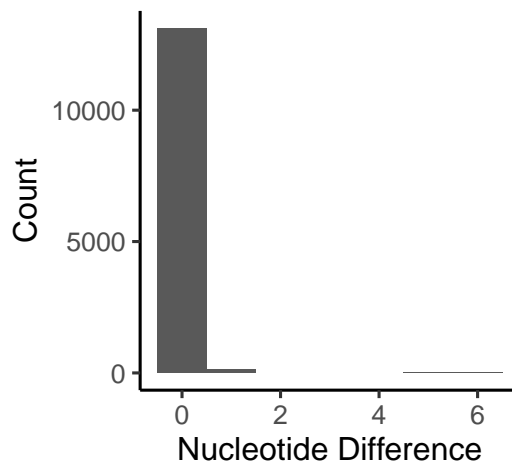
TRBV23-1*ap01

3756 sequences assigned
3683 (98.1%) exact matches, in which:
3577 unique CDR3
13 unique J



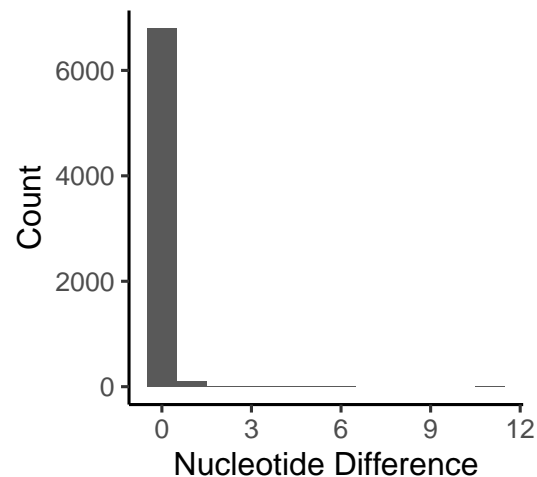
TRBV4-1*ap01

13254 sequences assigned
13122 (99%) exact matches, in which:
12639 unique CDR3
13 unique J



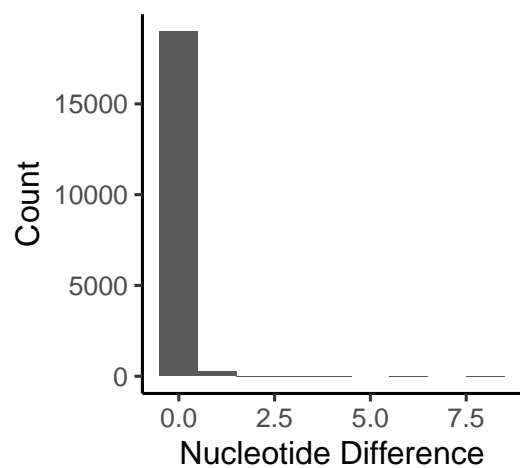
TRBV25-1*ap01

6908 sequences assigned
6797 (98.4%) exact matches, in which:
6575 unique CDR3
13 unique J



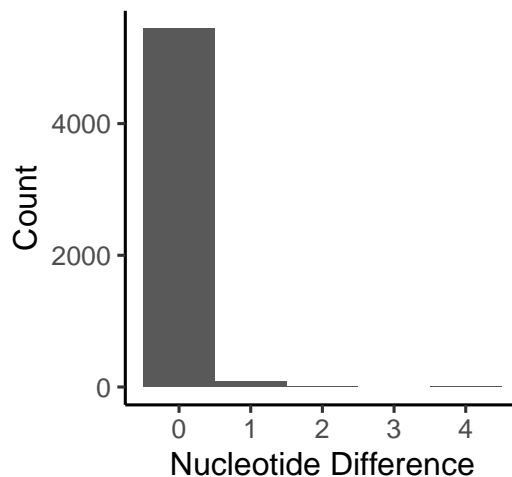
TRBV3-12*ap01

19248 sequences assigned
18987 (98.6%) exact matches, in which:
18377 unique CDR3
13 unique J



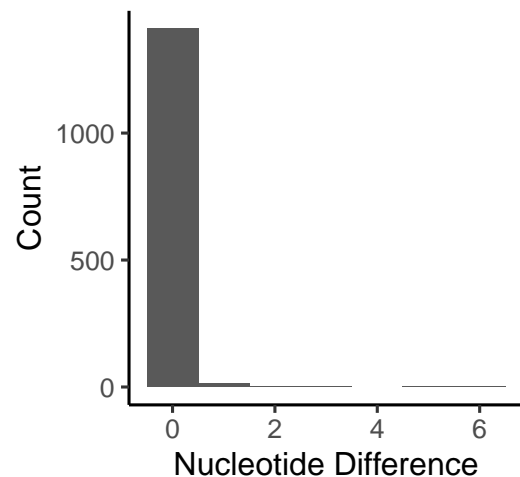
TRBV4-2*ap01

5525 sequences assigned
5441 (98.5%) exact matches, in which:
5253 unique CDR3
13 unique J



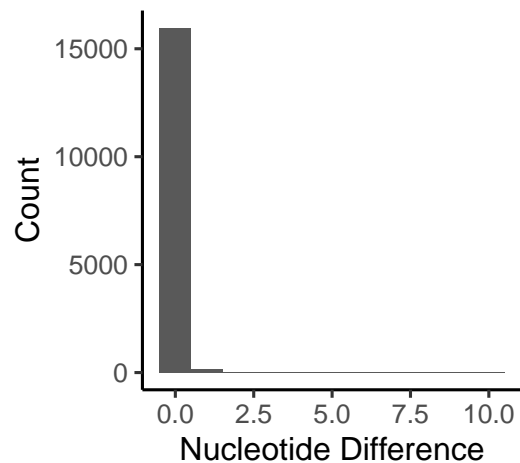
TRBV5-3*ap01

1431 sequences assigned
1411 (98.6%) exact matches, in which:
1391 unique CDR3
13 unique J



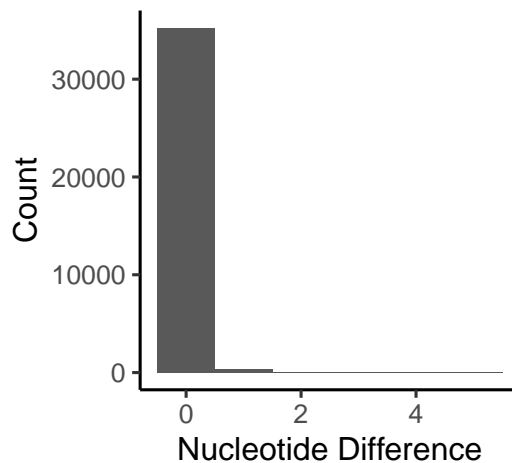
TRBV24-1*ap01

16183 sequences assigned
15971 (98.7%) exact matches, in which:
15566 unique CDR3
13 unique J



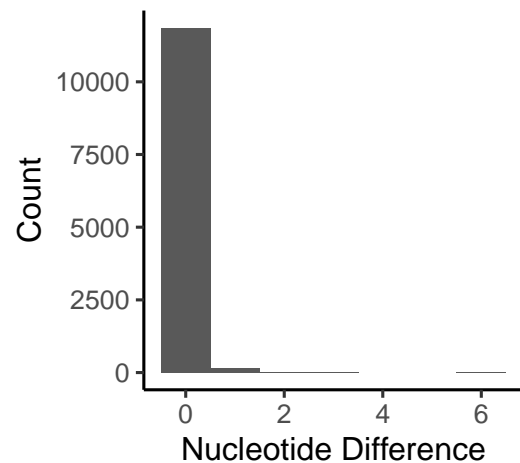
TRBV5-1*ap01

35641 sequences assigned
35254 (98.9%) exact matches, in which:
34192 unique CDR3
13 unique J



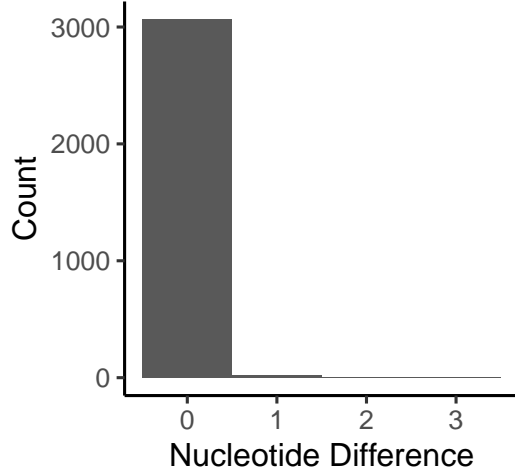
TRBV5-4*ap01

12020 sequences assigned
11858 (98.7%) exact matches, in which:
11482 unique CDR3
13 unique J



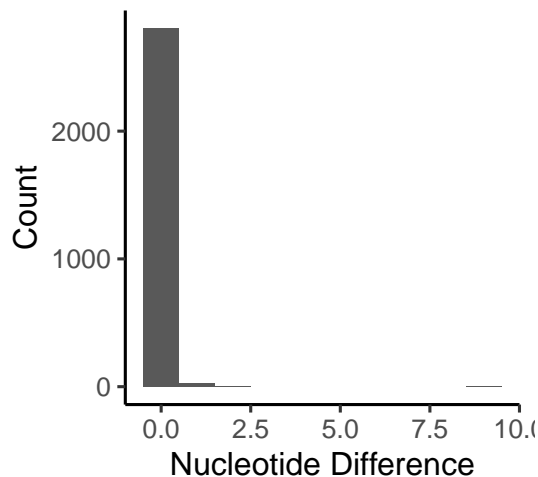
TRBV5-5*ap01

3093 sequences assigned
3065 (99.1%) exact matches, in which:
3037 unique CDR3
13 unique J



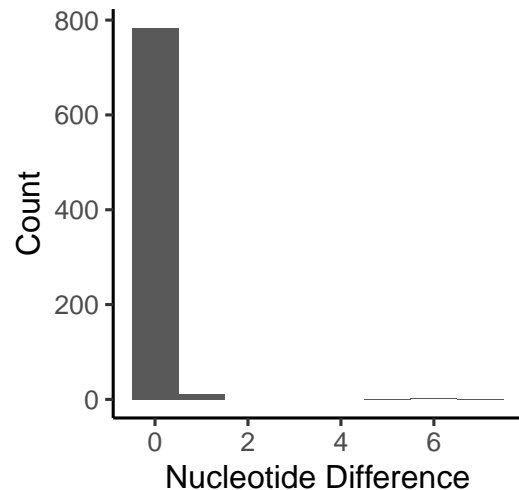
TRBV5-8*ap01

2834 sequences assigned
2804 (98.9%) exact matches, in which:
2749 unique CDR3
13 unique J



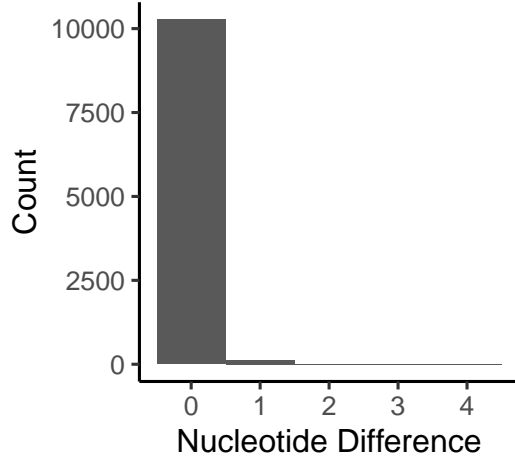
TRBV6-7*ap01

799 sequences assigned
784 (98.1%) exact matches, in which:
755 unique CDR3
13 unique J



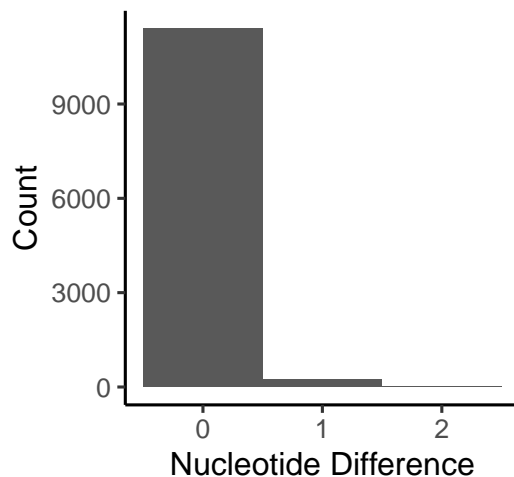
TRBV5-6*ap01

10404 sequences assigned
10272 (98.7%) exact matches, in which:
9891 unique CDR3
13 unique J



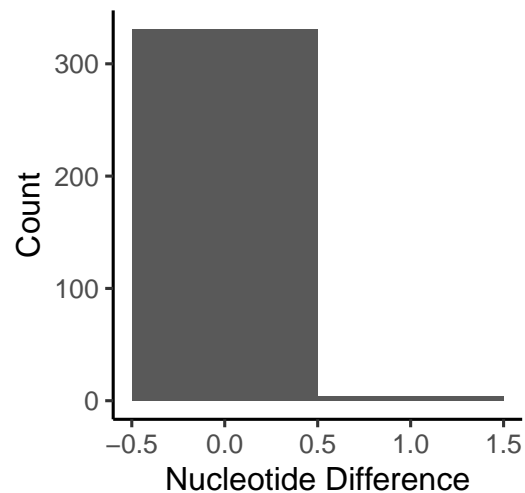
TRBV6-1*ap01

11647 sequences assigned
11394 (97.8%) exact matches, in which:
11020 unique CDR3
13 unique J



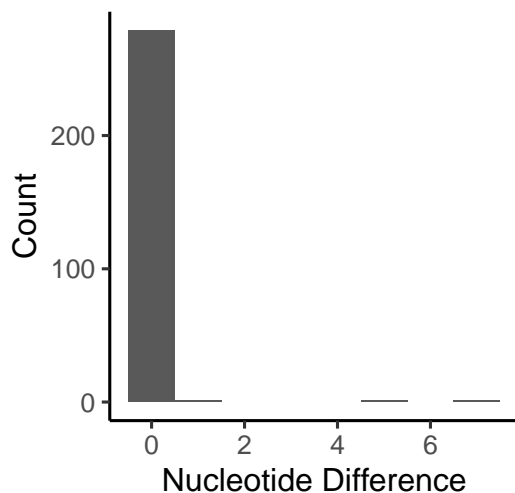
TRBV6-8*ap01

335 sequences assigned
331 (98.8%) exact matches, in which:
318 unique CDR3
13 unique J



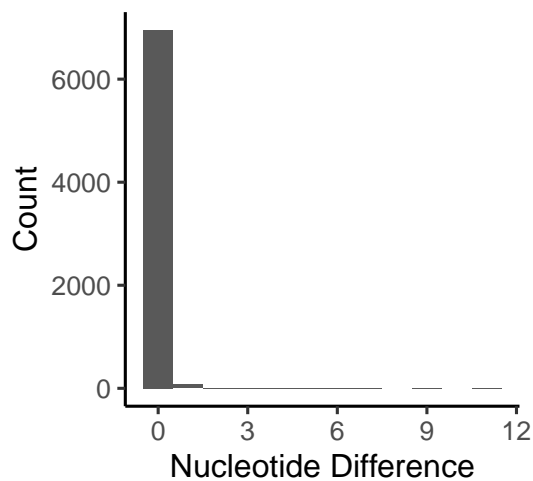
TRBV5-7*ap01

282 sequences assigned
279 (98.9%) exact matches, in which:
267 unique CDR3
13 unique J



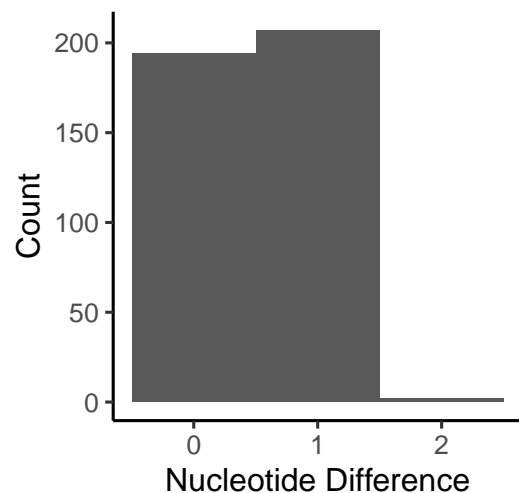
TRBV6-4*ap01

7043 sequences assigned
6953 (98.7%) exact matches, in which:
6802 unique CDR3
13 unique J



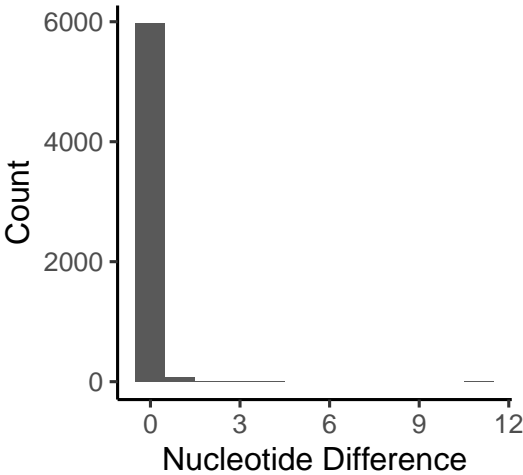
TRBV6-9*ap01

403 sequences assigned
194 (48.1%) exact matches, in which:
182 unique CDR3
13 unique J



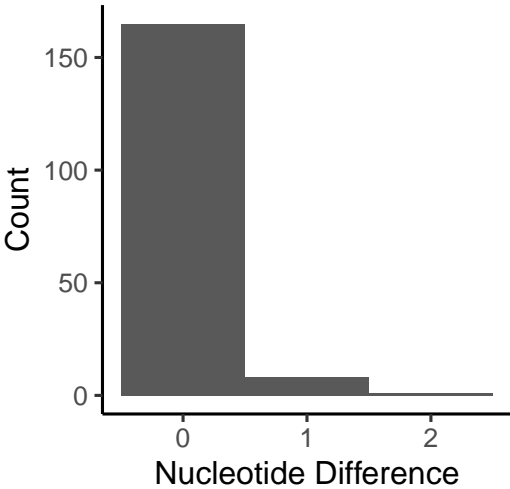
TRBV6-23*ap01

6046 sequences assigned
5972 (98.8%) exact matches, in which:
5759 unique CDR3
13 unique J



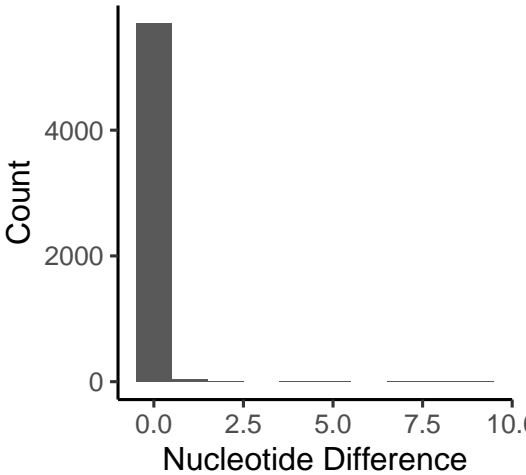
TRBV7-1*ap01_G291C_

174 sequences assigned
165 (94.8%) exact matches, in which:
158 unique CDR3
13 unique J



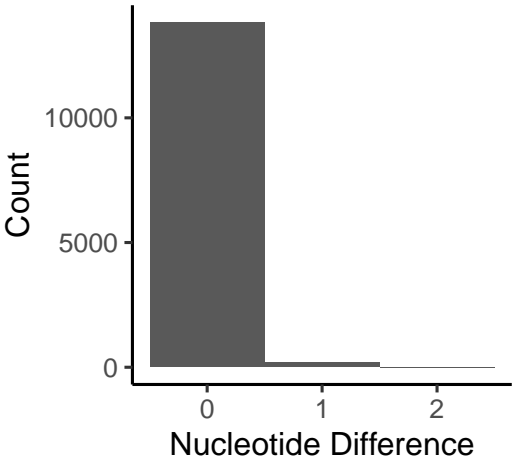
TRBV7-3*ap01

5740 sequences assigned
5698 (99.3%) exact matches, in which:
5602 unique CDR3
13 unique J



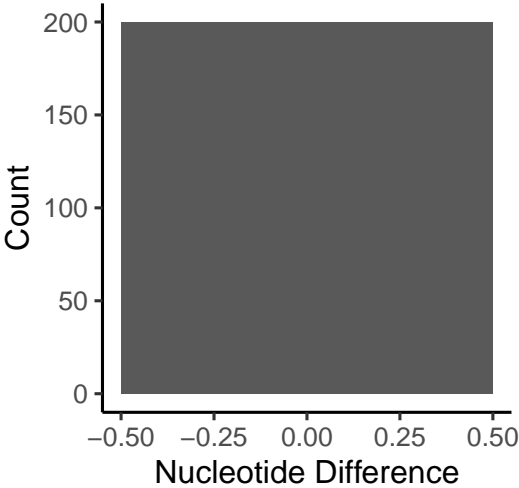
TRBV6-56*ap01

14010 sequences assigned
13823 (98.7%) exact matches, in which:
13330 unique CDR3
13 unique J



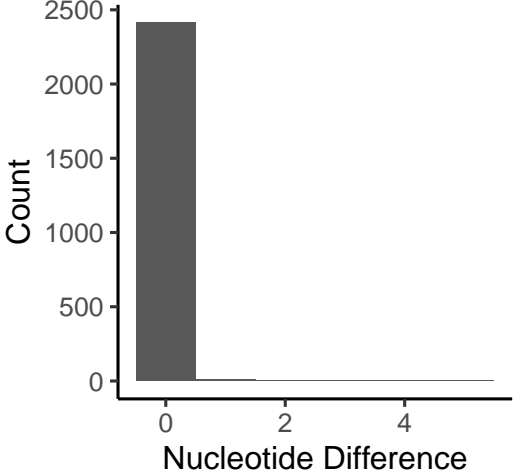
TRBV7-1*ap01_G291C_

200 sequences assigned
200 (100%) exact matches, in which:
197 unique CDR3
13 unique J



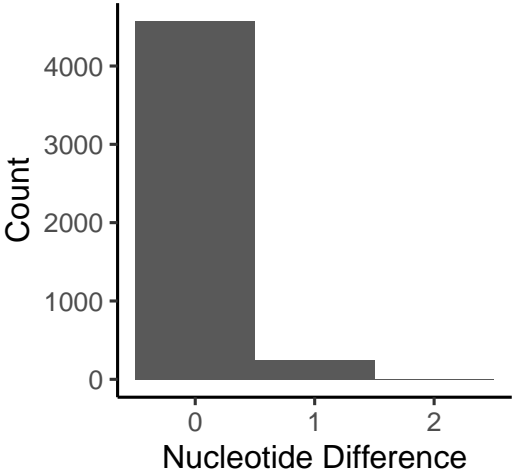
TRBV7-3*ap03

2434 sequences assigned
2413 (99.1%) exact matches, in which:
2339 unique CDR3
13 unique J



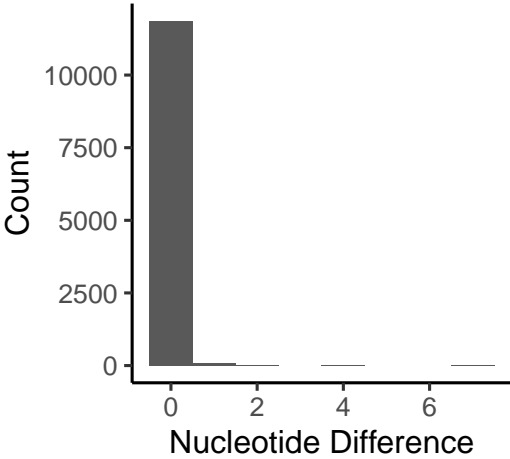
TRBV6-56*ap02

4822 sequences assigned
4574 (94.9%) exact matches, in which:
4434 unique CDR3
13 unique J



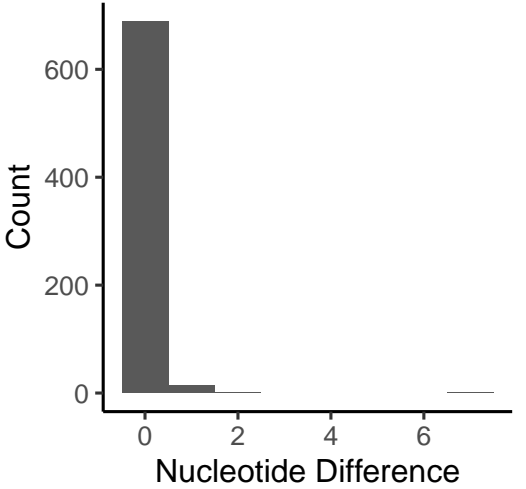
TRBV7-2*ap01

11964 sequences assigned
11868 (99.2%) exact matches, in which:
11566 unique CDR3
13 unique J



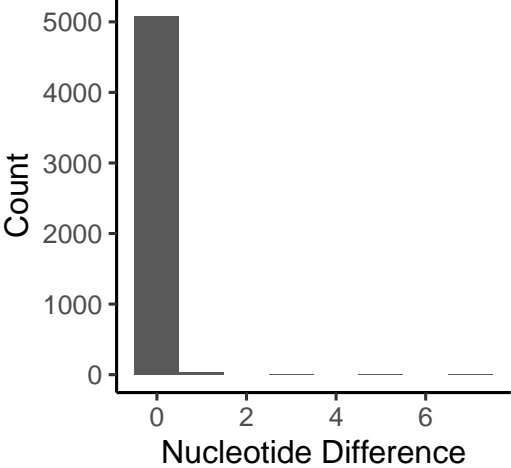
TRBV7-4*ap01

705 sequences assigned
689 (97.7%) exact matches, in which:
668 unique CDR3
13 unique J



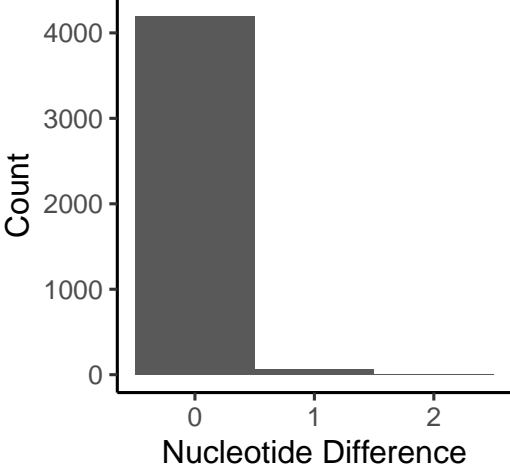
TRBV7-6*ap01

5122 sequences assigned
5077 (99.1%) exact matches, in which:
4938 unique CDR3
13 unique J



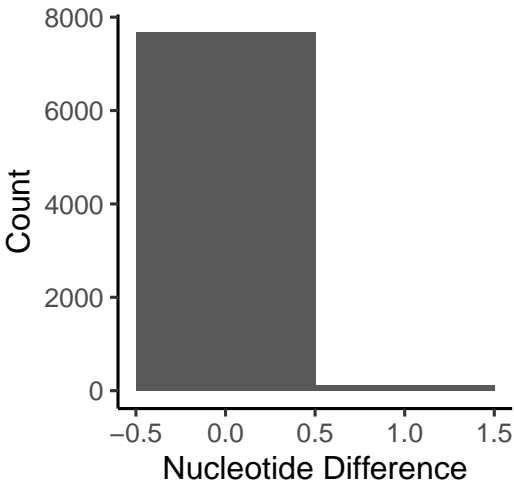
TRBV7-8*ap01

4256 sequences assigned
4193 (98.5%) exact matches, in which:
4085 unique CDR3
13 unique J



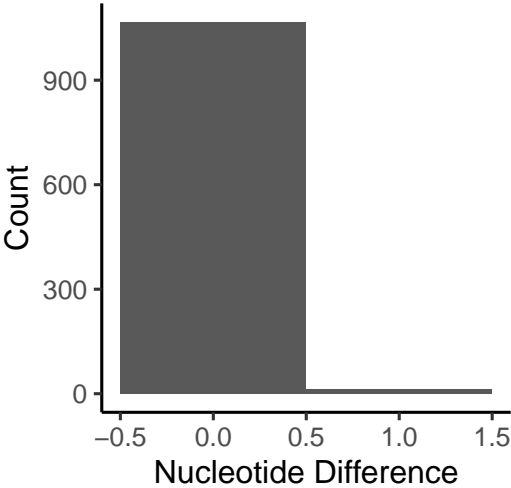
TRBV29-1*ap01

7785 sequences assigned
7674 (98.6%) exact matches, in which:
7419 unique CDR3
13 unique J



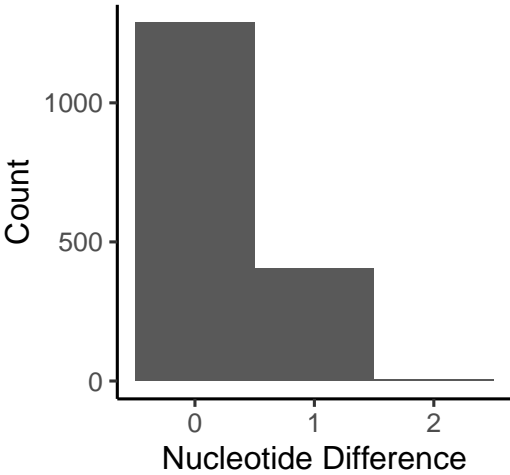
TRBV7-7*ap01

1079 sequences assigned
1067 (98.9%) exact matches, in which:
1043 unique CDR3
13 unique J



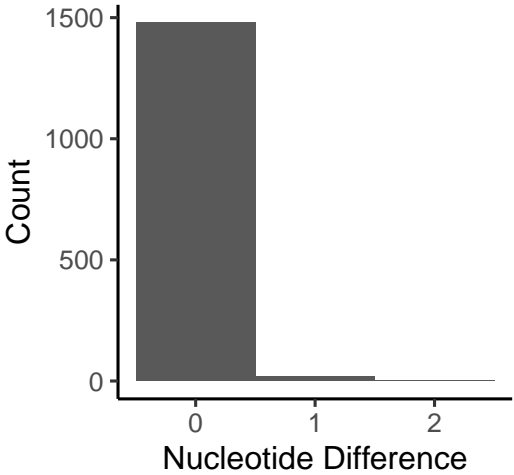
TRBV7-8*ap03

1696 sequences assigned
1288 (75.9%) exact matches, in which:
1250 unique CDR3
13 unique J



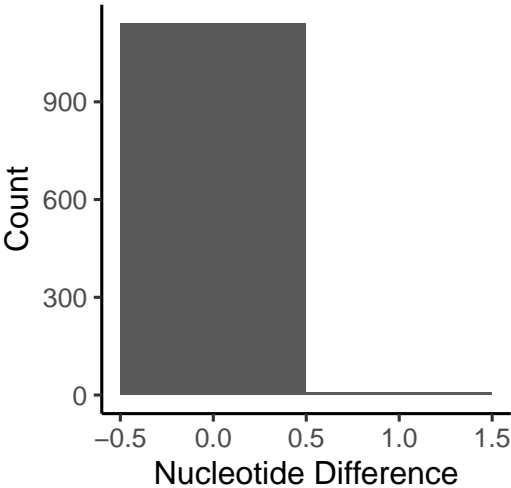
TRBV29-1*ap02

1498 sequences assigned
1479 (98.7%) exact matches, in which:
1417 unique CDR3
13 unique J



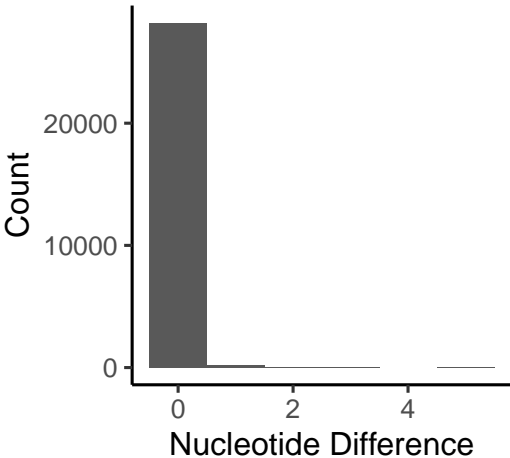
TRBV7-7*ap01_C315T

1149 sequences assigned
1141 (99.3%) exact matches, in which:
1106 unique CDR3
13 unique J

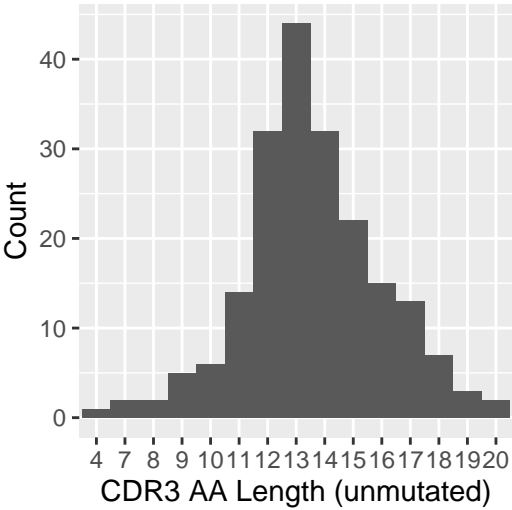


TRBV7-9*ap01

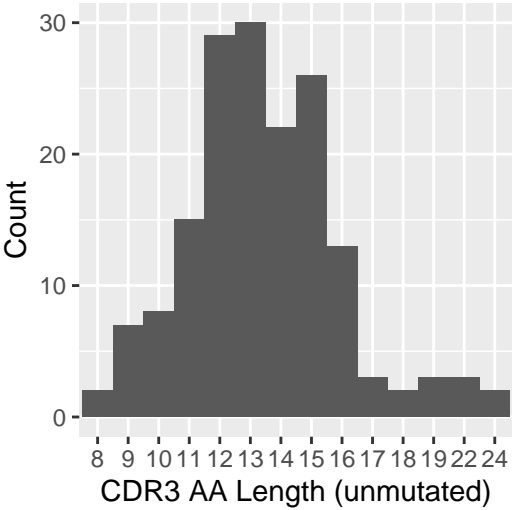
28409 sequences assigned
28219 (99.3%) exact matches, in which:
27713 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

