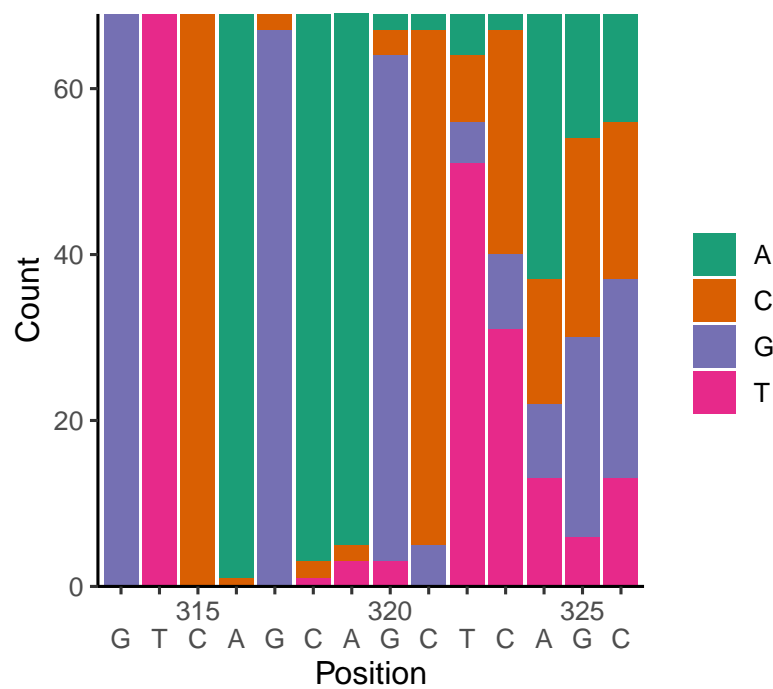
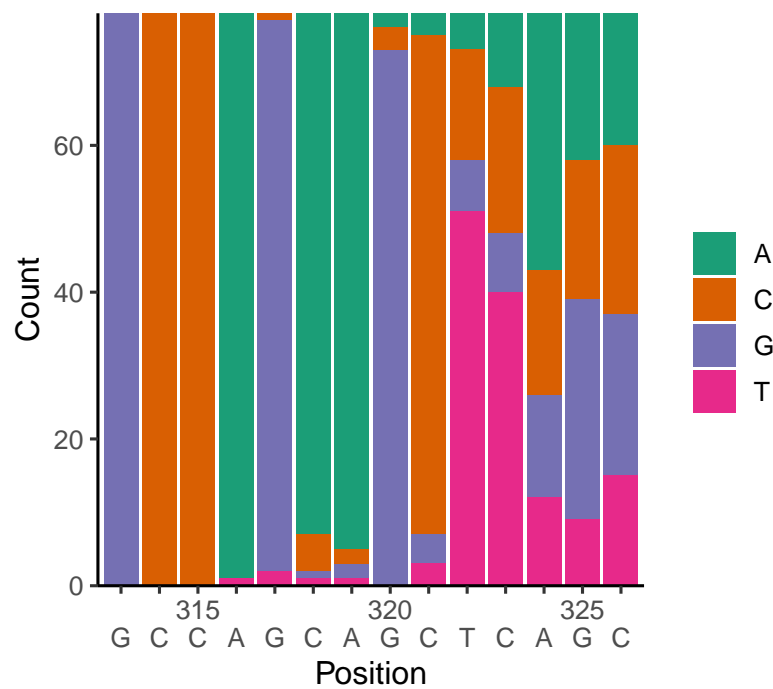


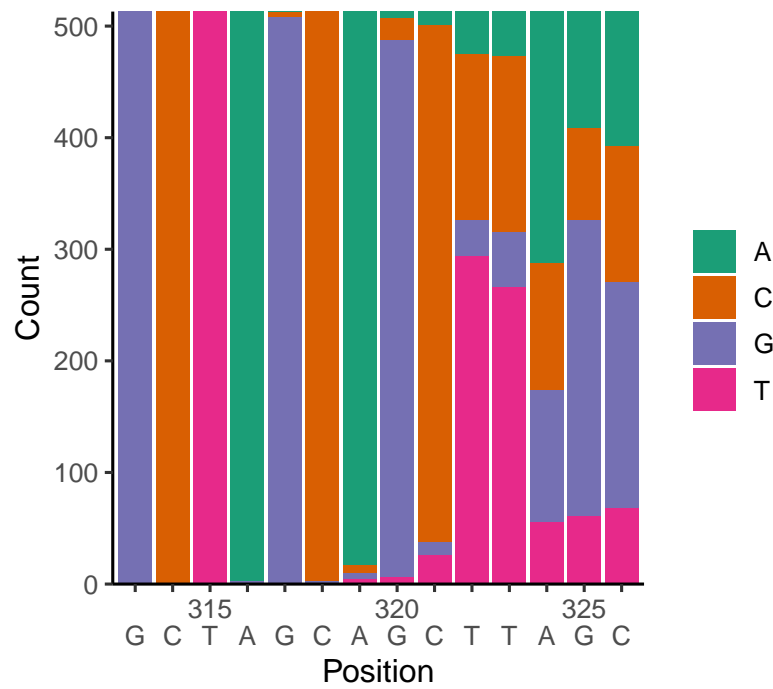
Gene TRBV7-1*ap01_G291C_T296C_C314T



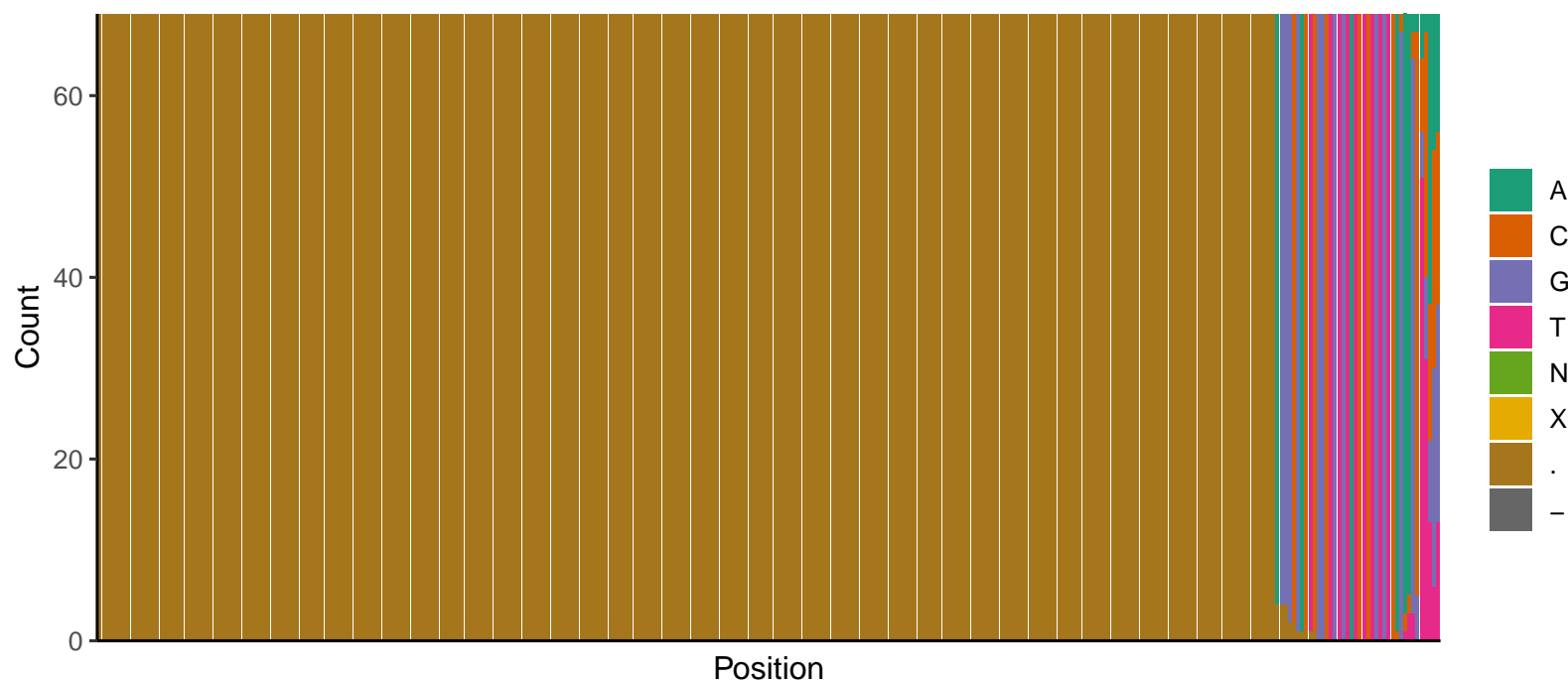
Gene TRBV7-1*ap01_G291C_T296C



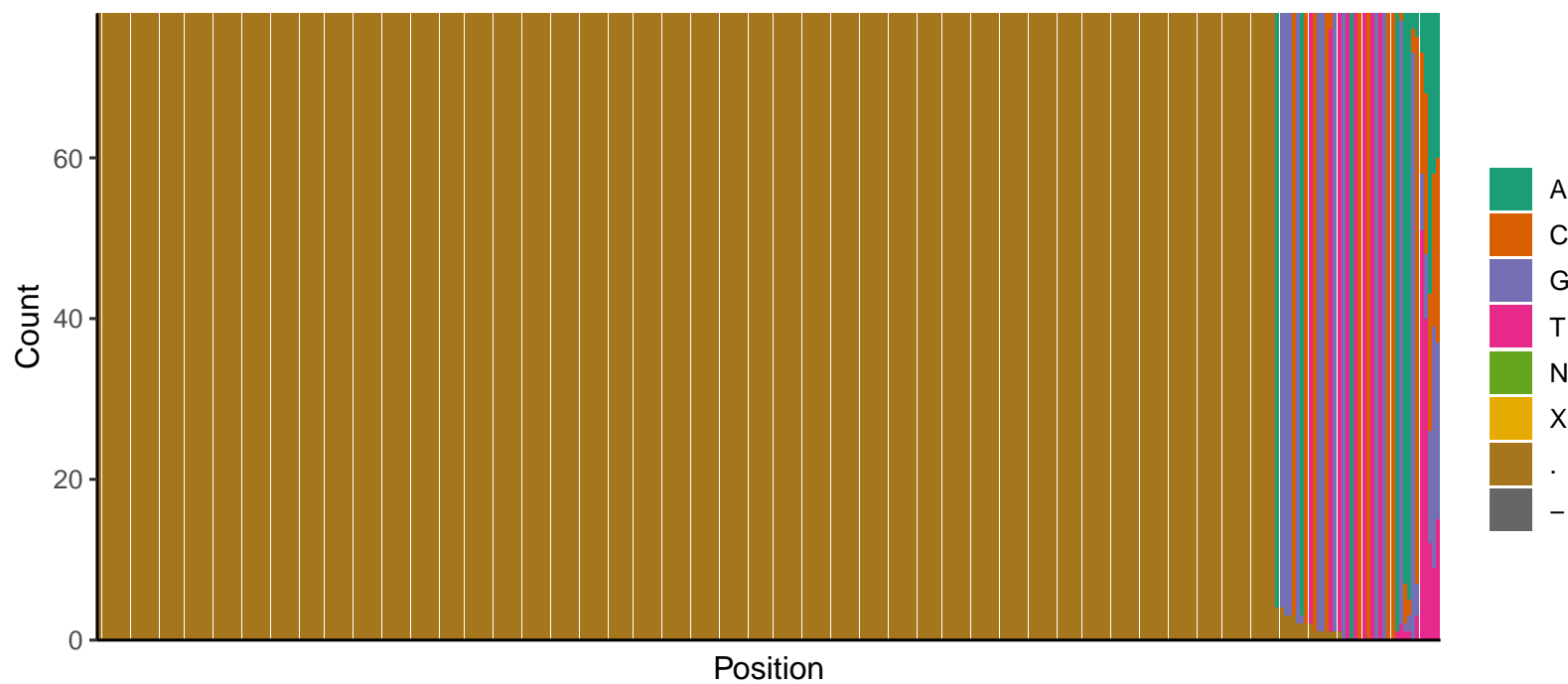
Gene TRBV7-7*ap01_C315T



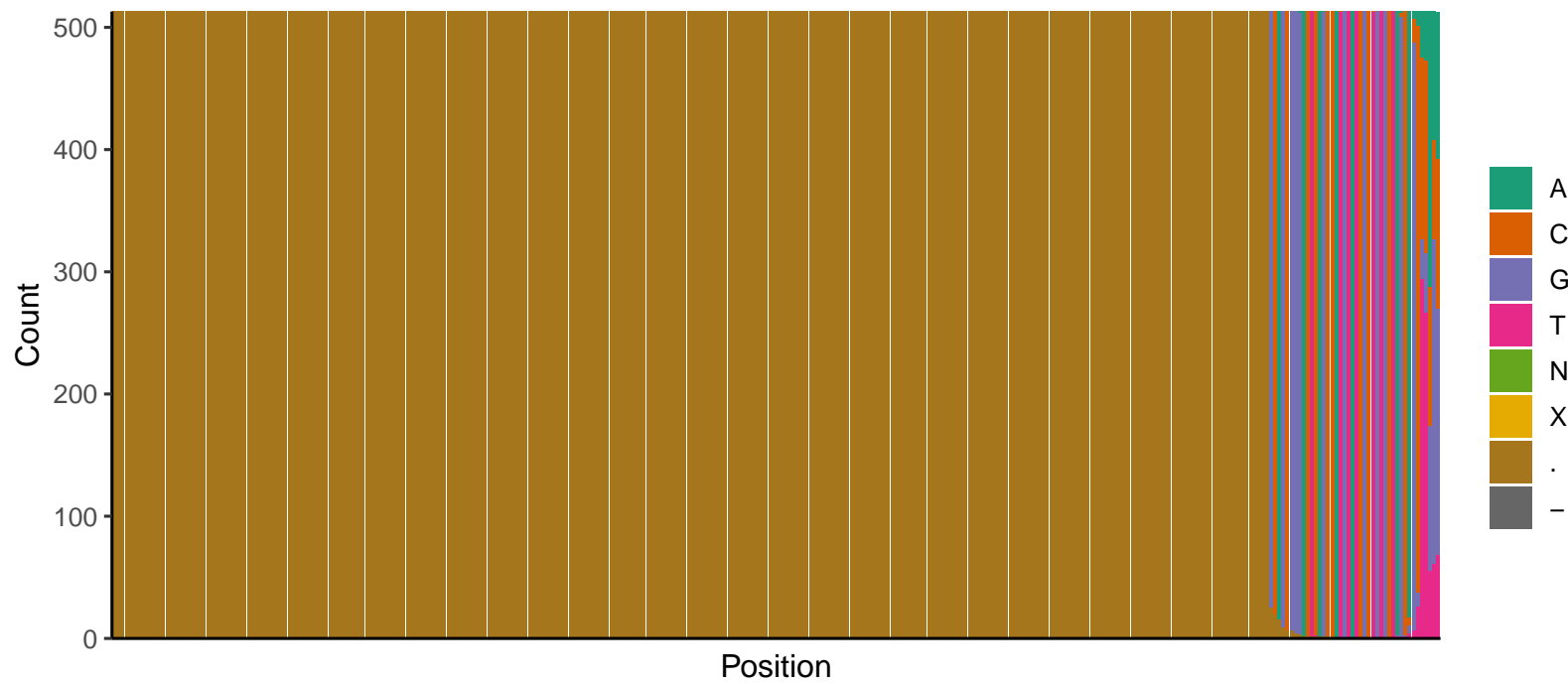
Gene TRBV7-1*ap01_G291C_T296C_C314T



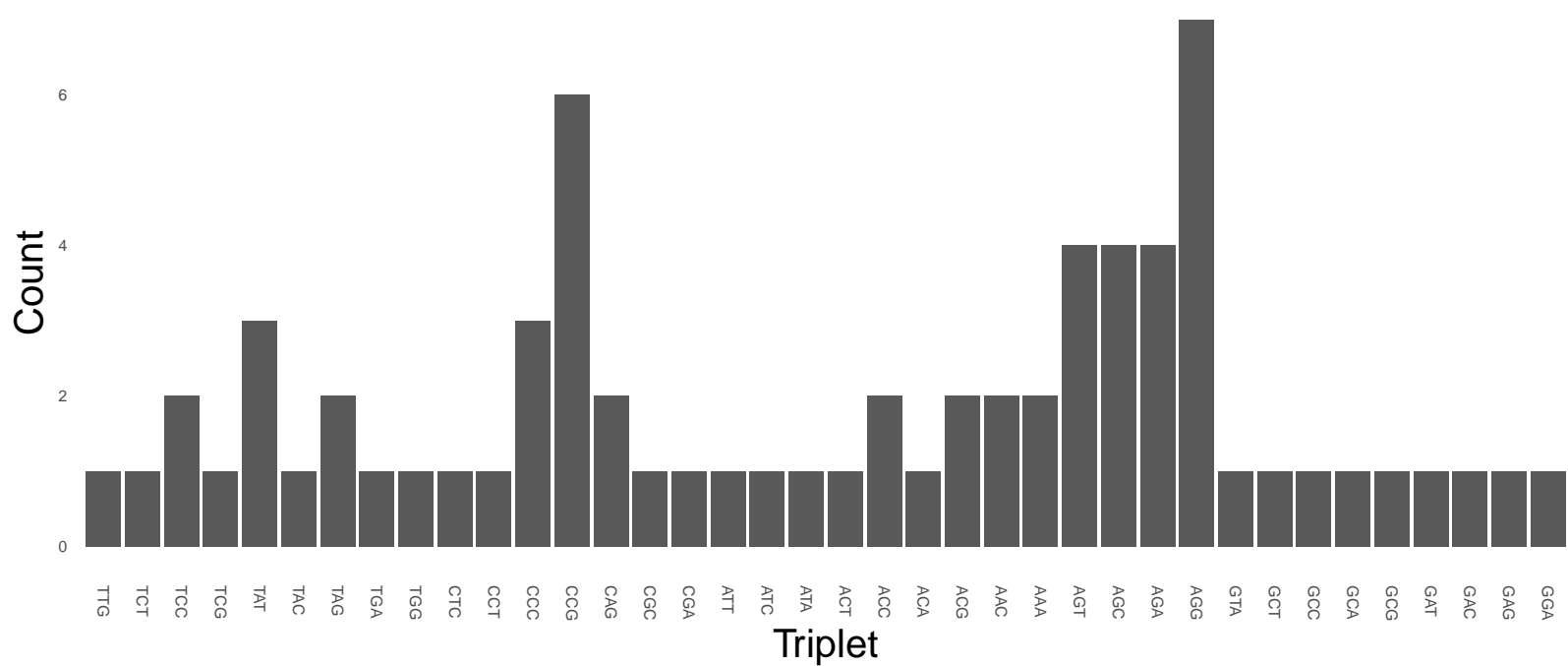
Gene TRBV7-1*ap01_G291C_T296C



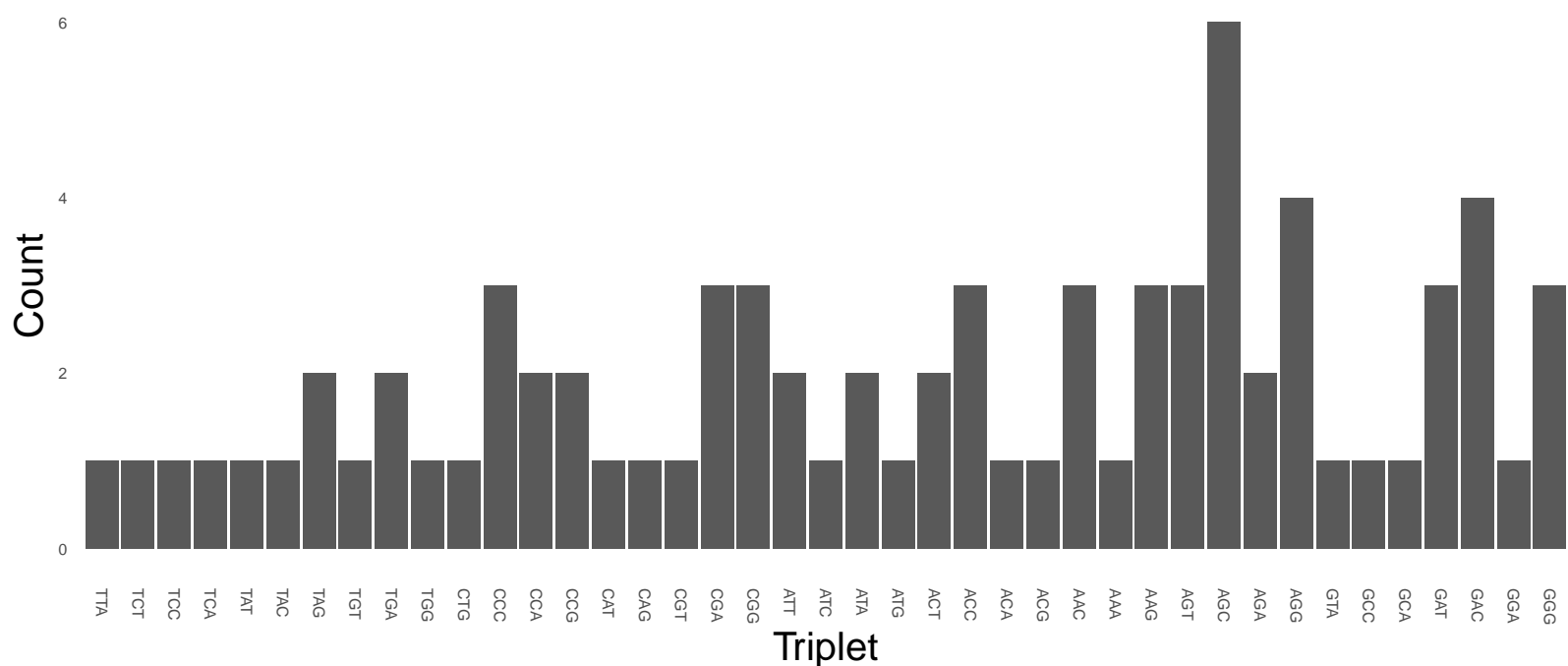
Gene TRBV7-7*ap01_C315T



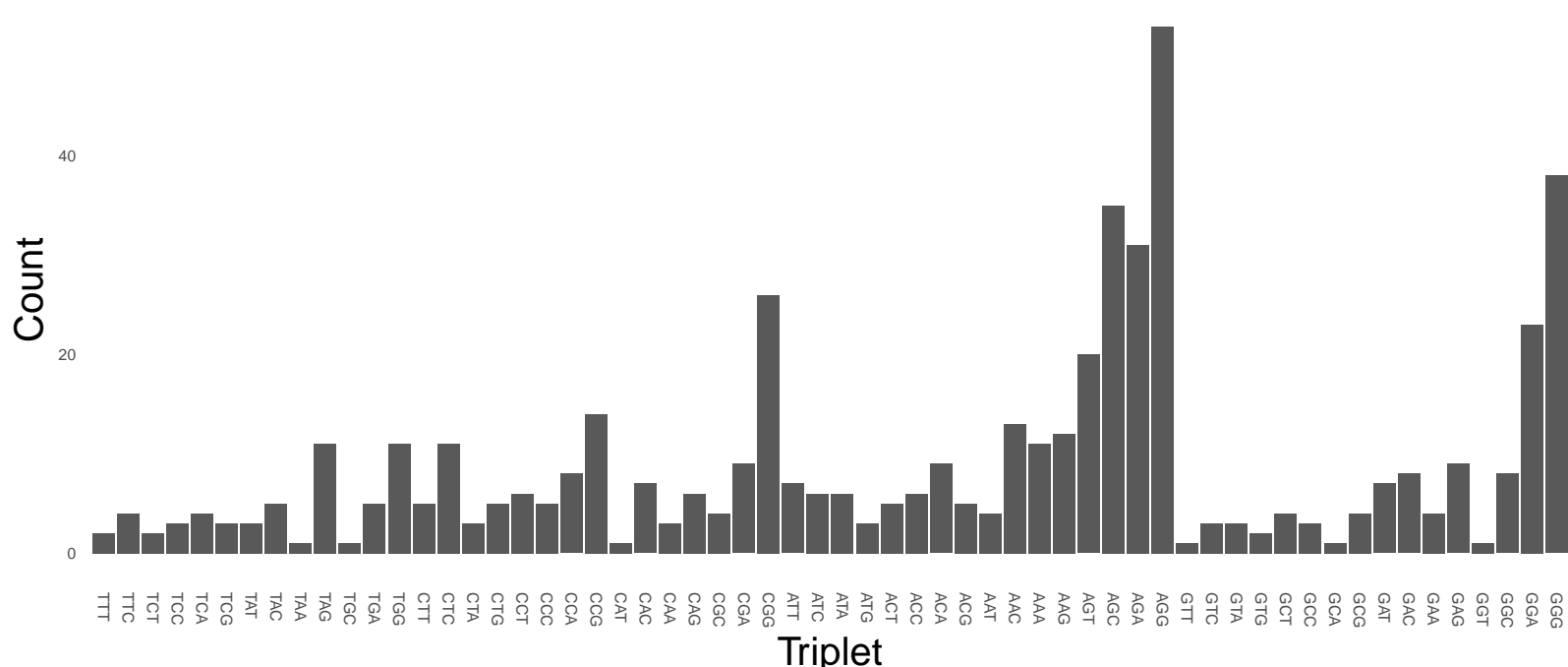
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

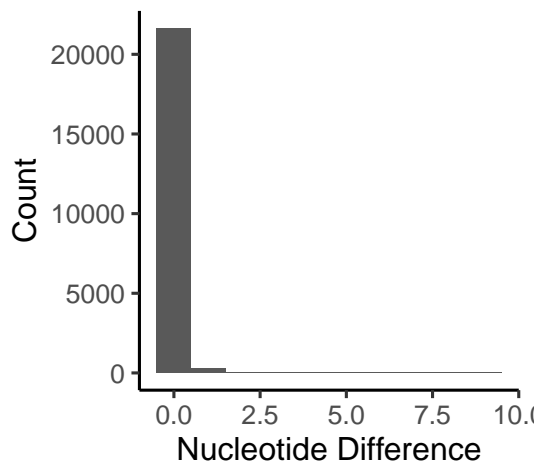


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



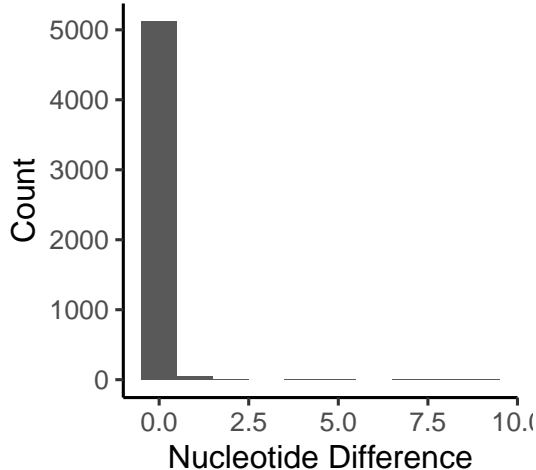
TRBV20-1*ap01

21935 sequences assigned
21642 (98.7%) exact matches, in which:
21381 unique CDR3
14 unique J



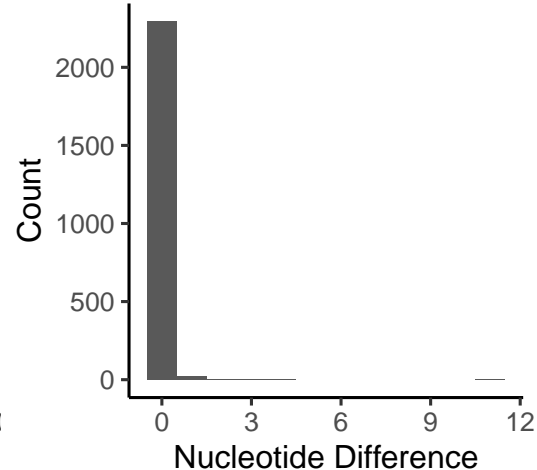
TRBV10-3*ap01

5181 sequences assigned
5120 (98.8%) exact matches, in which:
5047 unique CDR3
13 unique J



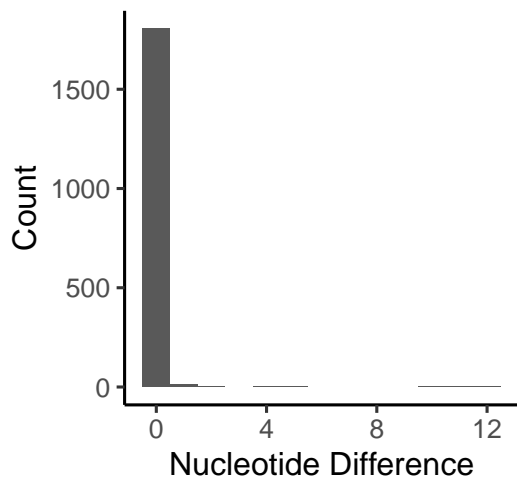
TRBV14*ap01

2323 sequences assigned
2294 (98.8%) exact matches, in which:
2279 unique CDR3
13 unique J



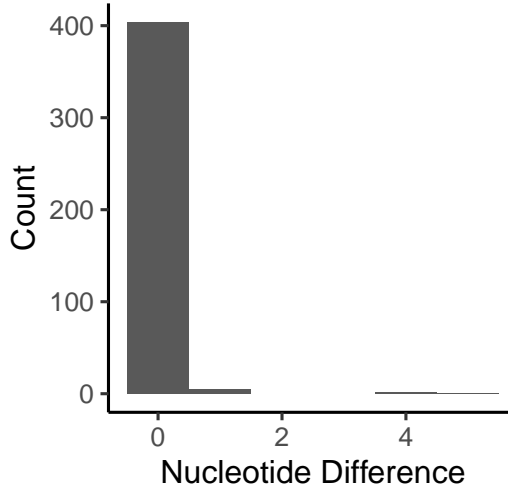
TRBV10-1*ap01

1827 sequences assigned
1805 (98.8%) exact matches, in which:
1770 unique CDR3
13 unique J



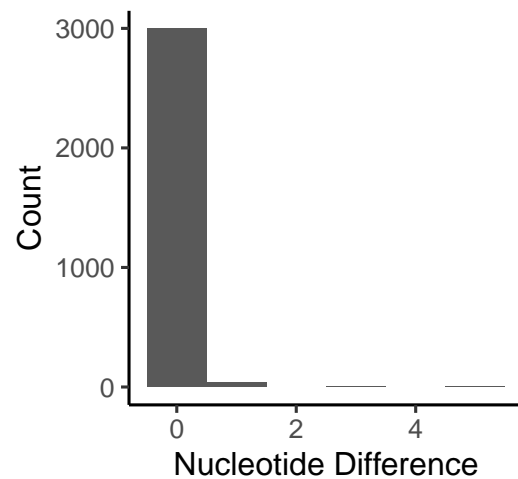
TRBV1*ap01

412 sequences assigned
404 (98.1%) exact matches, in which:
396 unique CDR3
13 unique J



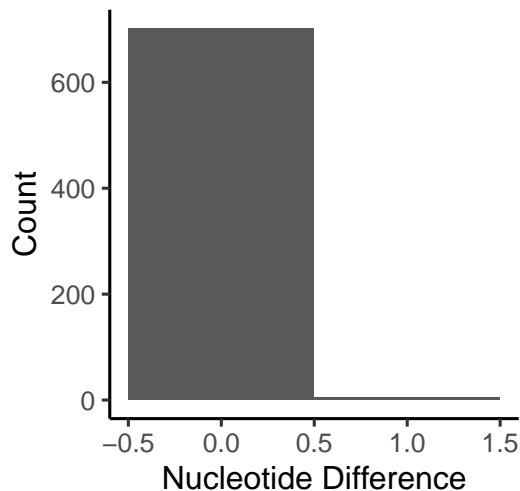
TRBV15*ap02

3033 sequences assigned
2997 (98.8%) exact matches, in which:
2951 unique CDR3
13 unique J



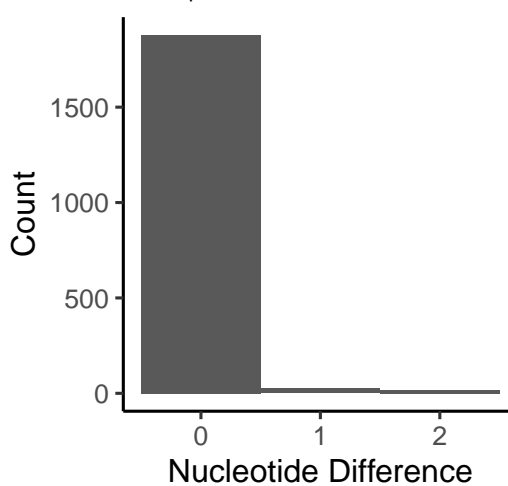
TRBV10-2*ap01

706 sequences assigned
702 (99.4%) exact matches, in which:
691 unique CDR3
13 unique J



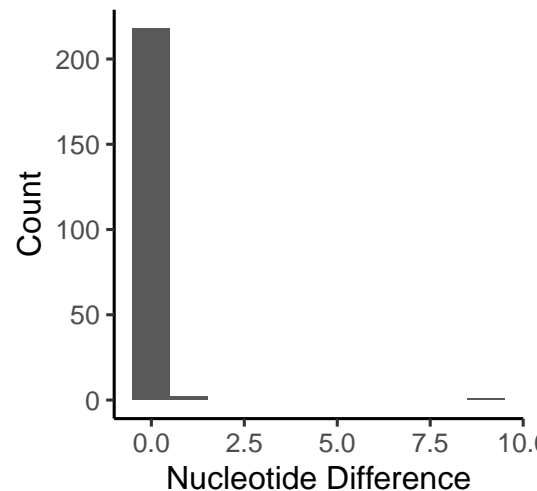
TRBV13*ap01

1922 sequences assigned
1878 (97.7%) exact matches, in which:
1832 unique CDR3
13 unique J



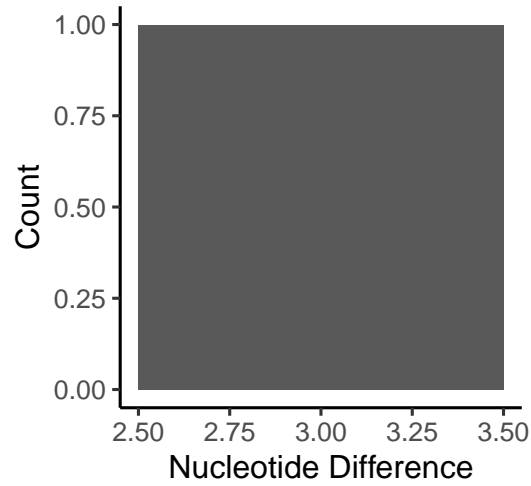
TRBV16*ap01

221 sequences assigned
218 (98.6%) exact matches, in which:
217 unique CDR3
13 unique J



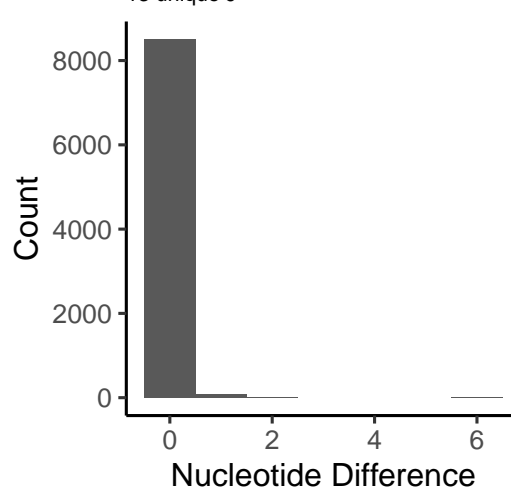
TRBV17*ap01

1 sequences assigned
No exact matches.



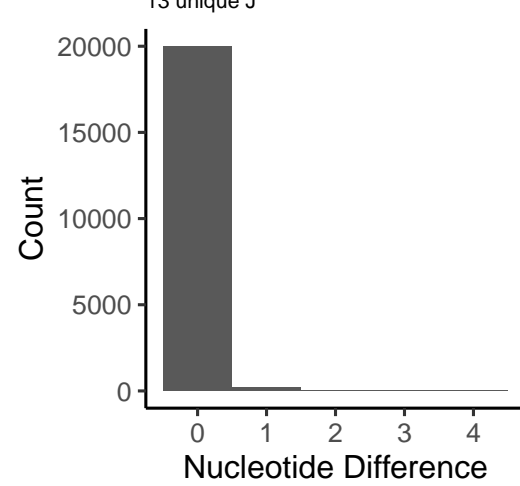
TRBV2*ap01

8596 sequences assigned
8502 (98.9%) exact matches, in which:
8360 unique CDR3
13 unique J



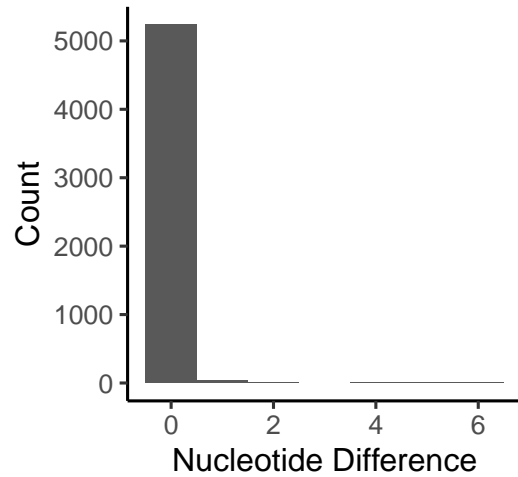
TRBV28*ap01

20193 sequences assigned
20005 (99.1%) exact matches, in which:
19800 unique CDR3
13 unique J



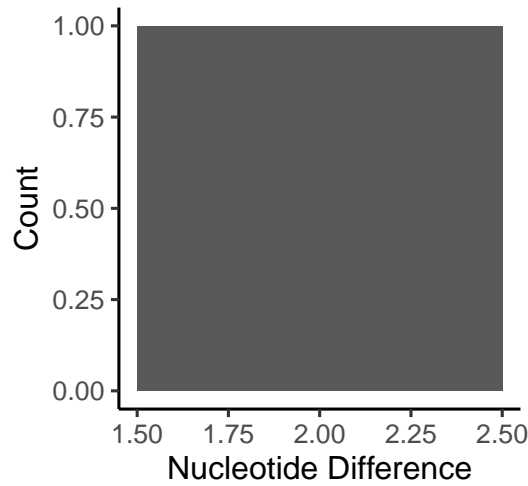
TRBV18*ap01

5271 sequences assigned
5236 (99.3%) exact matches, in which:
5205 unique CDR3
13 unique J



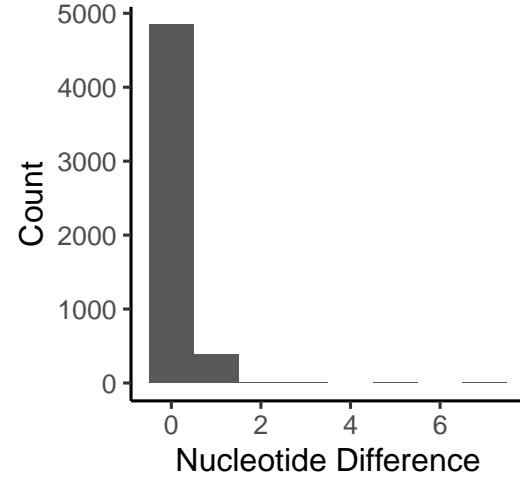
TRBV26*ap01

1 sequences assigned
No exact matches.



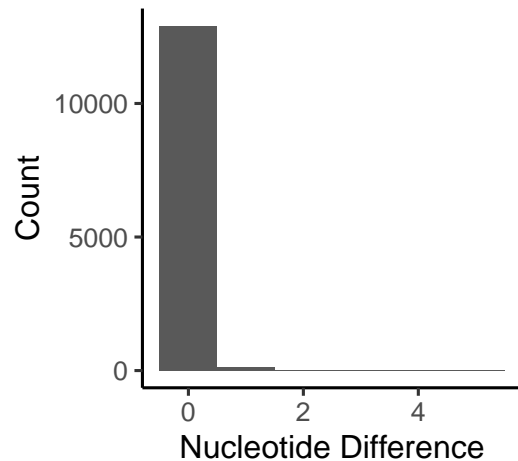
TRBV30*ap01

5243 sequences assigned
4845 (92.4%) exact matches, in which:
4716 unique CDR3
13 unique J



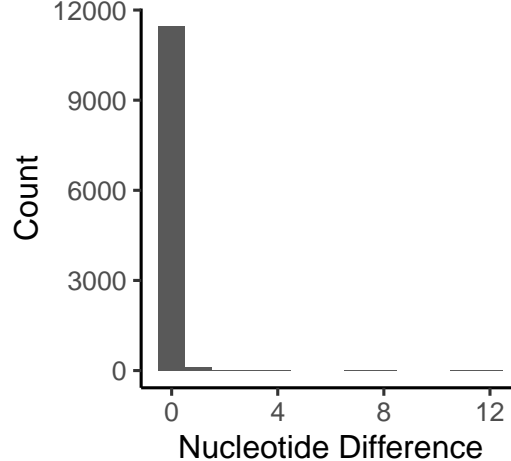
TRBV19*ap01

13065 sequences assigned
12908 (98.8%) exact matches, in which:
12830 unique CDR3
13 unique J



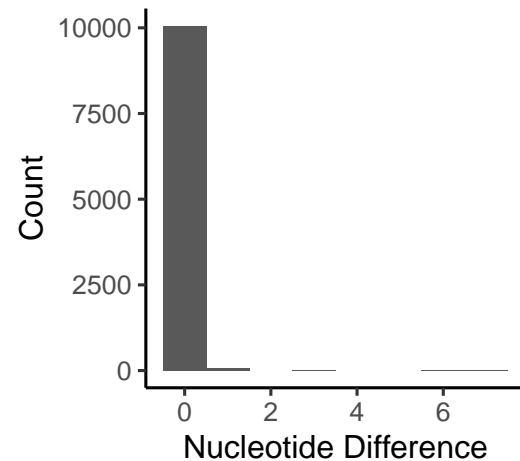
TRBV27*ap01

11604 sequences assigned
11476 (98.9%) exact matches, in which:
11335 unique CDR3
13 unique J



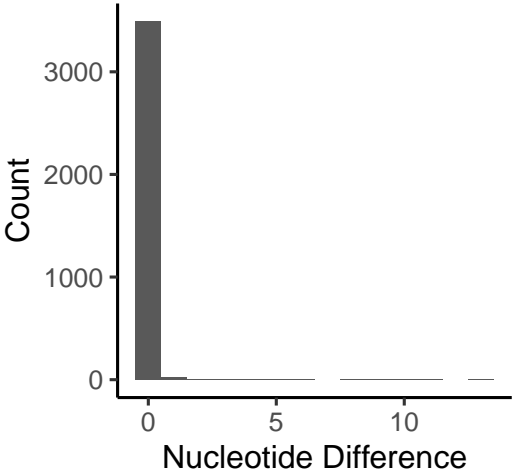
TRBV9*ap01

10135 sequences assigned
10059 (99.3%) exact matches, in which:
9984 unique CDR3
13 unique J



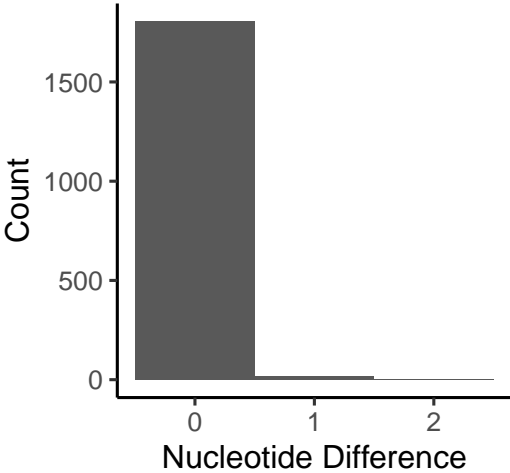
TRBV21-1*ap01

3536 sequences assigned
3491 (98.7%) exact matches, in which:
3467 unique CDR3
13 unique J



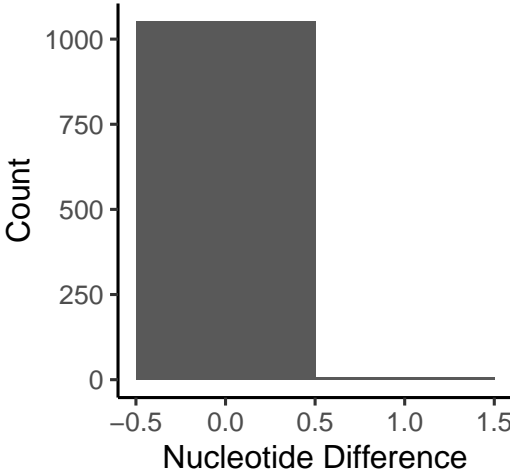
TRBV11-3*ap01

1824 sequences assigned
1805 (99%) exact matches, in which:
1797 unique CDR3
13 unique J



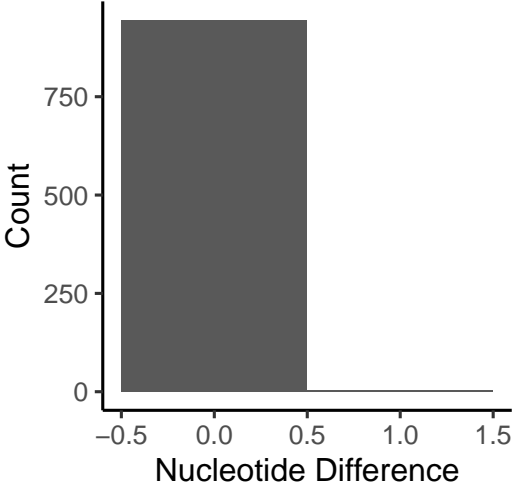
TRBV12-5*ap01

1058 sequences assigned
1052 (99.4%) exact matches, in which:
1040 unique CDR3
13 unique J



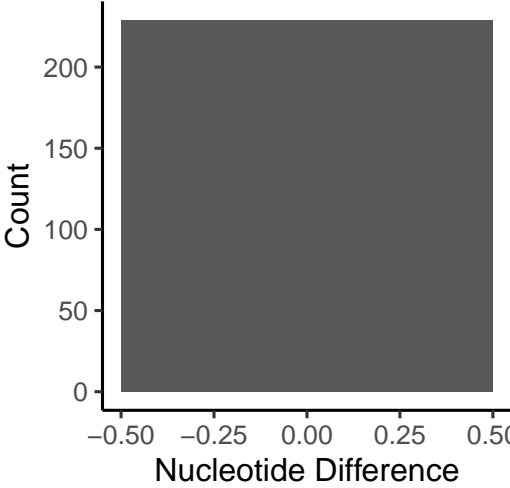
TRBV11-1*ap01

950 sequences assigned
945 (99.5%) exact matches, in which:
936 unique CDR3
13 unique J



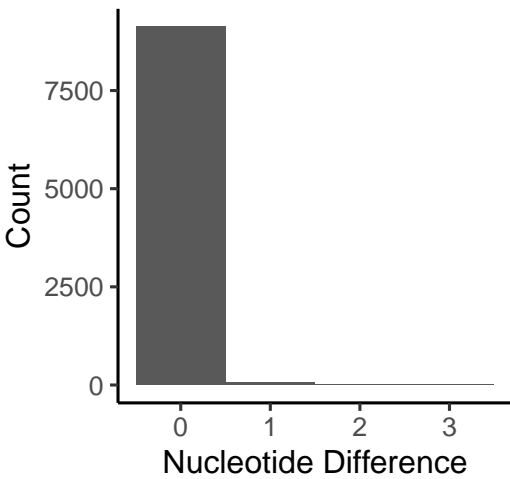
TRBV12-1*ap01

229 sequences assigned
229 (100%) exact matches, in which:
225 unique CDR3
13 unique J



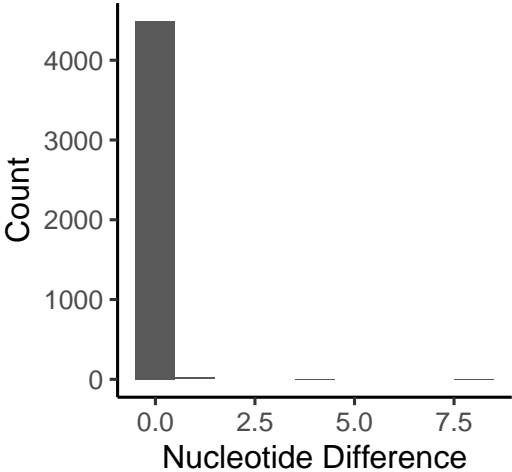
TRBV12-34*ap01

9203 sequences assigned
9125 (99.2%) exact matches, in which:
8976 unique CDR3
13 unique J



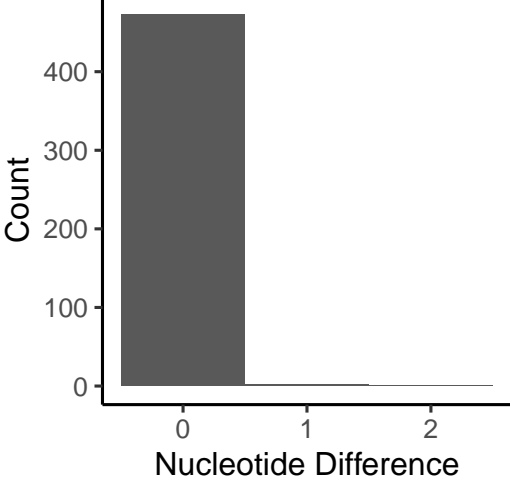
TRBV11-2*ap01

4520 sequences assigned
4491 (99.4%) exact matches, in which:
4456 unique CDR3
13 unique J



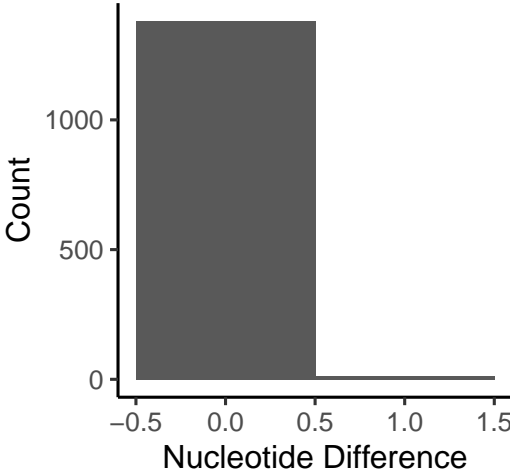
TRBV12-2*ap01

476 sequences assigned
473 (99.4%) exact matches, in which:
470 unique CDR3
13 unique J



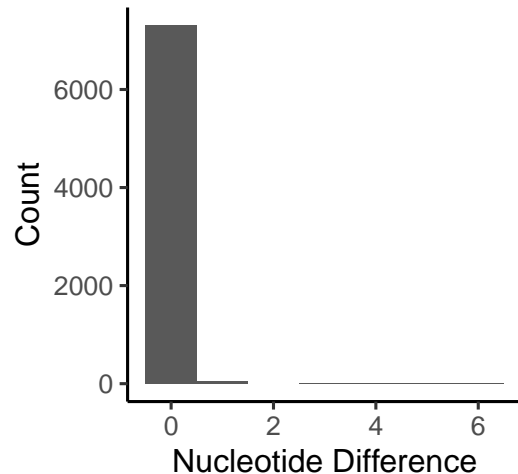
TRBV23-1*ap01

1393 sequences assigned
1381 (99.1%) exact matches, in which:
1372 unique CDR3
13 unique J



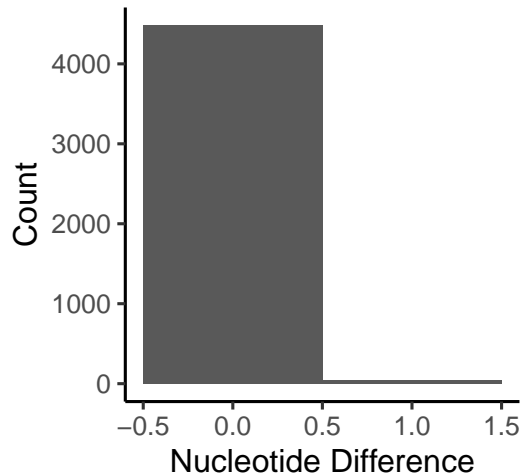
TRBV3-12*ap01

7357 sequences assigned
7307 (99.3%) exact matches, in which:
7259 unique CDR3
13 unique J



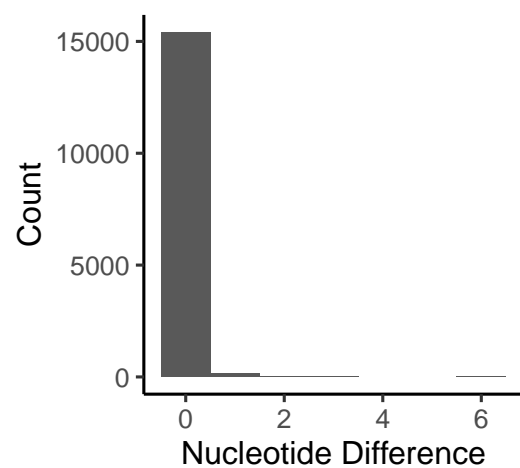
TRBV4-2*ap01

4528 sequences assigned
4481 (99%) exact matches, in which:
4412 unique CDR3
13 unique J



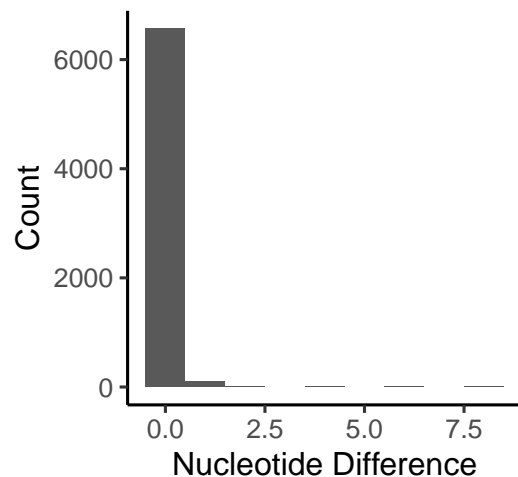
TRBV5-1*ap01

15570 sequences assigned
15414 (99%) exact matches, in which:
15118 unique CDR3
13 unique J



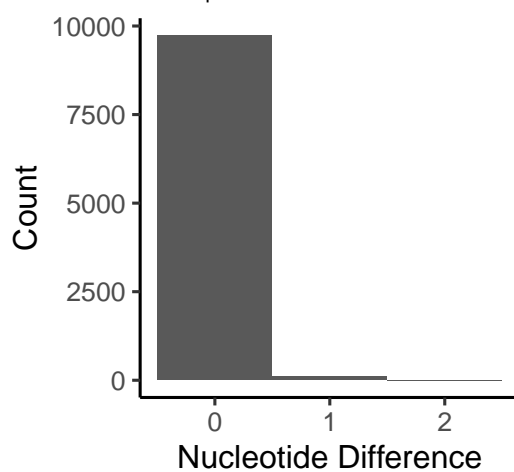
TRBV24-1*ap01

6674 sequences assigned
6566 (98.4%) exact matches, in which:
6466 unique CDR3
13 unique J



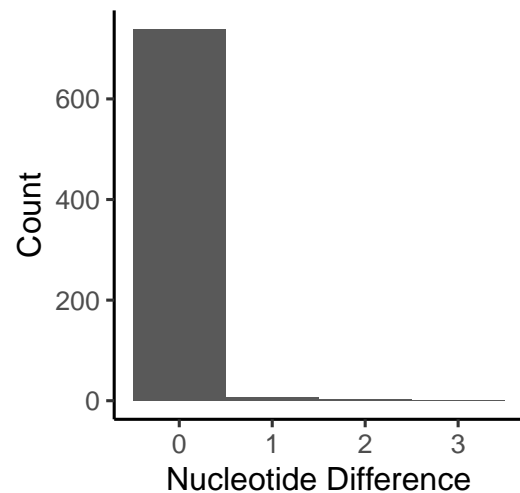
TRBV4-3*ap01

9844 sequences assigned
9733 (98.9%) exact matches, in which:
9586 unique CDR3
13 unique J



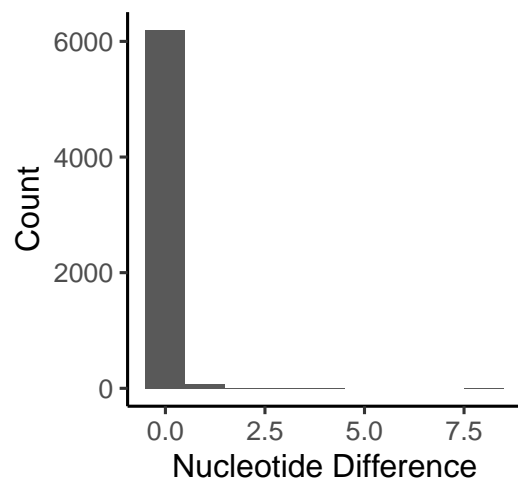
TRBV5-3*ap01

749 sequences assigned
739 (98.7%) exact matches, in which:
727 unique CDR3
13 unique J



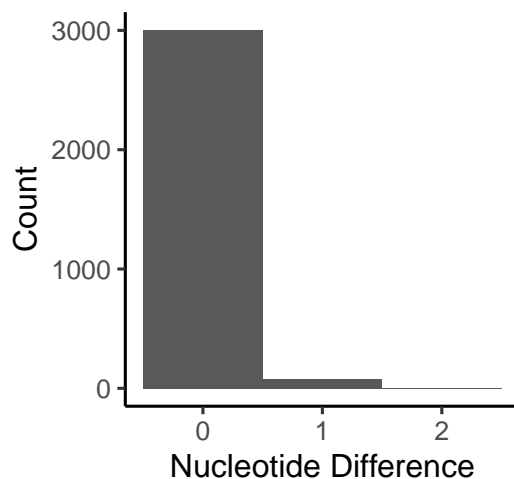
TRBV4-1*ap01

6273 sequences assigned
6196 (98.8%) exact matches, in which:
6093 unique CDR3
13 unique J



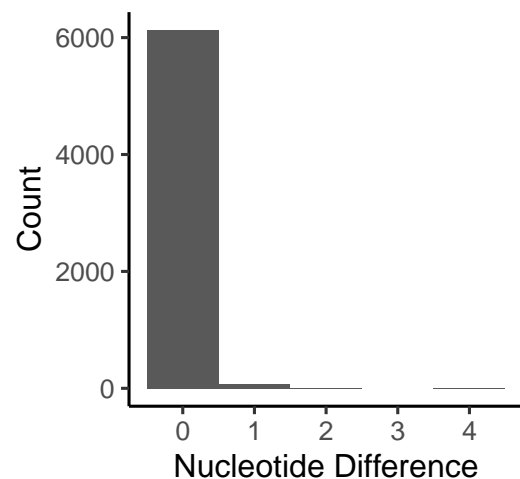
TRBV25-1*ap01

3081 sequences assigned
3003 (97.5%) exact matches, in which:
2935 unique CDR3
13 unique J



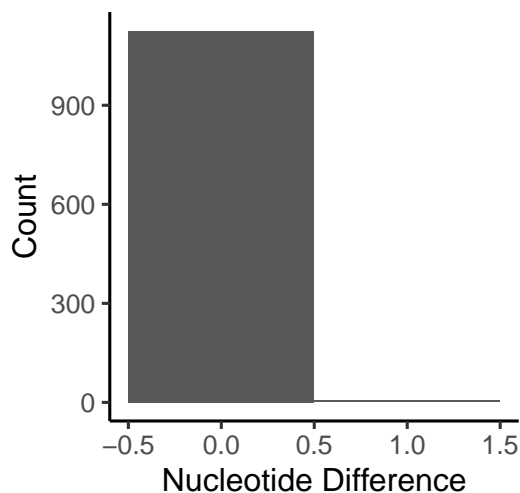
TRBV5-4*ap01

6202 sequences assigned
6129 (98.8%) exact matches, in which:
6040 unique CDR3
13 unique J



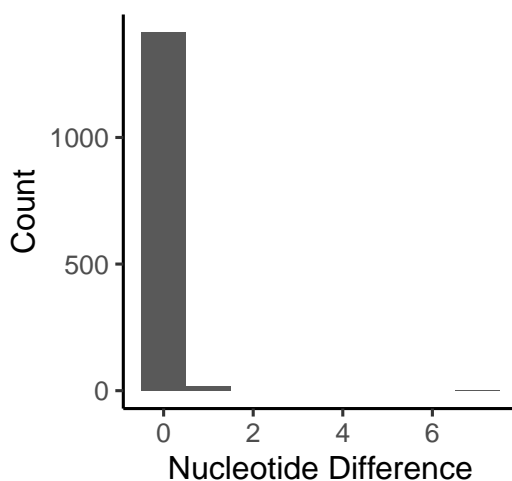
TRBV5-5*ap01

1132 sequences assigned
1126 (99.5%) exact matches, in which:
1121 unique CDR3
13 unique J



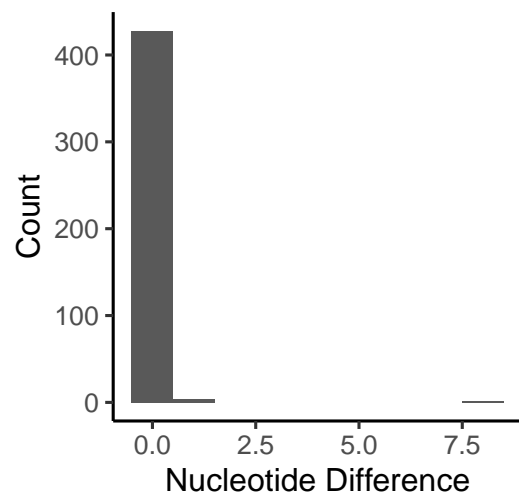
TRBV5-8*ap01

1433 sequences assigned
1415 (98.7%) exact matches, in which:
1401 unique CDR3
13 unique J



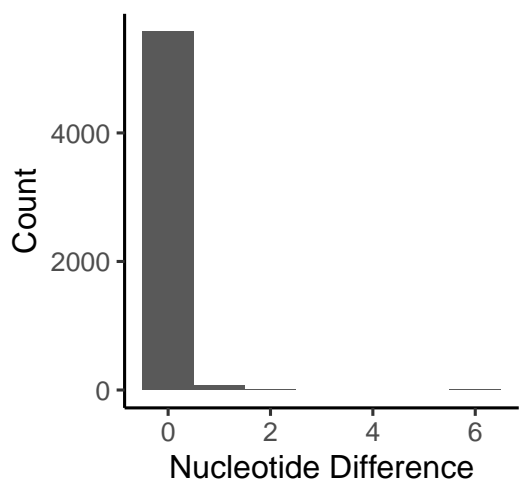
TRBV6-7*ap01

434 sequences assigned
428 (98.6%) exact matches, in which:
419 unique CDR3
13 unique J



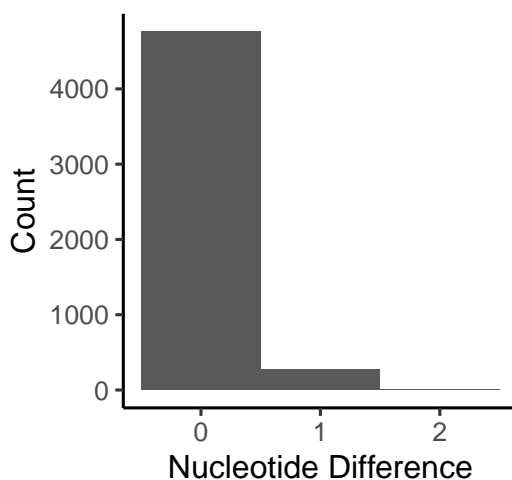
TRBV5-6*ap01

5652 sequences assigned
5575 (98.6%) exact matches, in which:
5447 unique CDR3
13 unique J



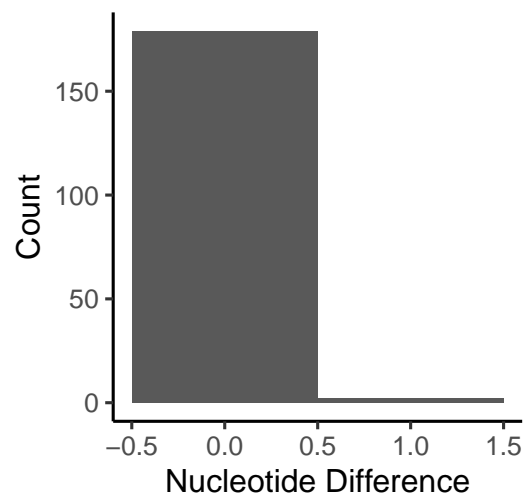
TRBV6-1*ap01

5042 sequences assigned
4759 (94.4%) exact matches, in which:
4656 unique CDR3
13 unique J



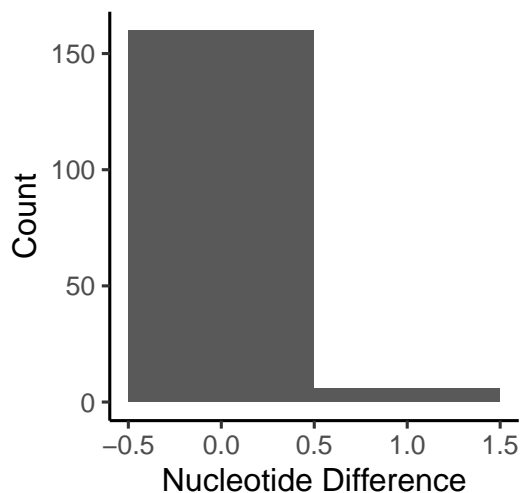
TRBV6-8*ap01

181 sequences assigned
179 (98.9%) exact matches, in which:
177 unique CDR3
13 unique J



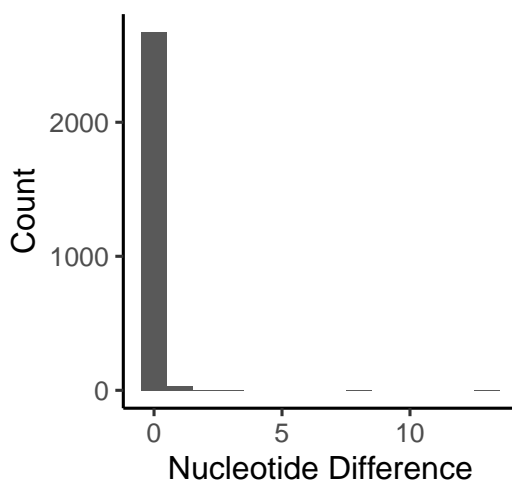
TRBV5-7*ap01

166 sequences assigned
160 (96.4%) exact matches, in which:
158 unique CDR3
13 unique J



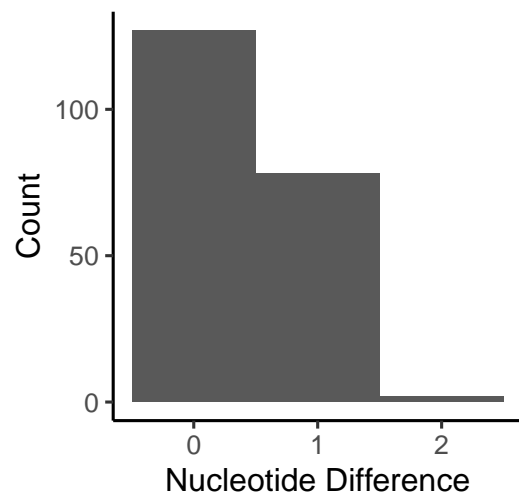
TRBV6-4*ap01

2707 sequences assigned
2673 (98.7%) exact matches, in which:
2659 unique CDR3
13 unique J



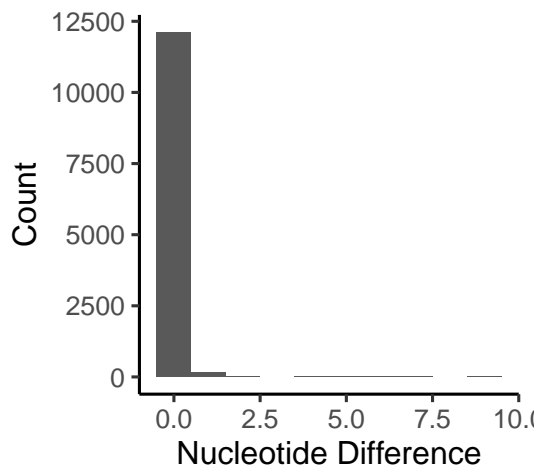
TRBV6-9*ap01

207 sequences assigned
127 (61.4%) exact matches, in which:
122 unique CDR3
13 unique J



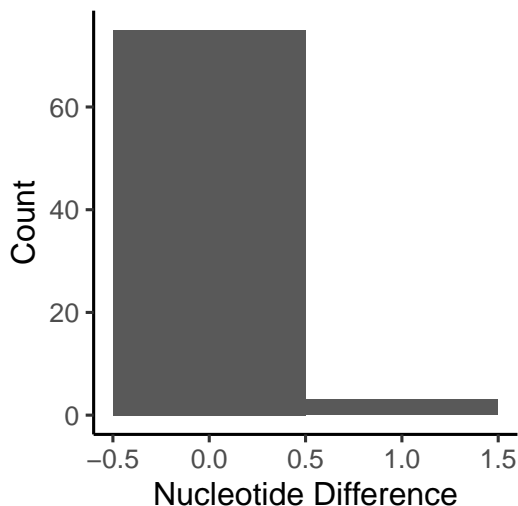
TRBV6-23*ap01

12302 sequences assigned
12119 (98.5%) exact matches, in which:
11782 unique CDR3
13 unique J



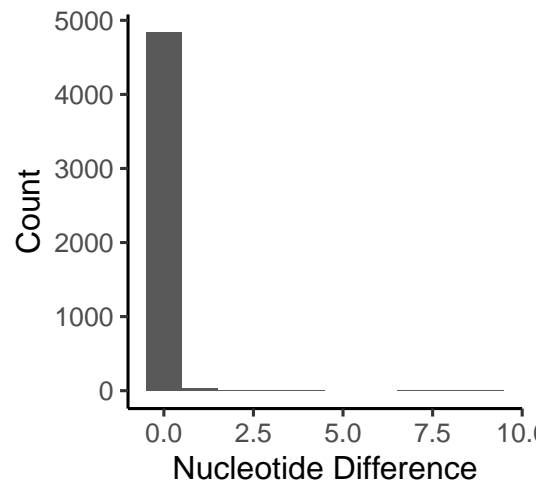
TRBV7-1*ap01_G291C_T

78 sequences assigned
75 (96.2%) exact matches, in which:
75 unique CDR3
12 unique J



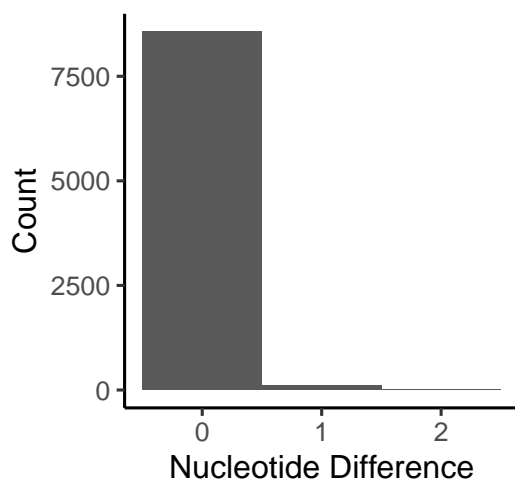
TRBV7-3*ap01

4876 sequences assigned
4837 (99.2%) exact matches, in which:
4800 unique CDR3
13 unique J



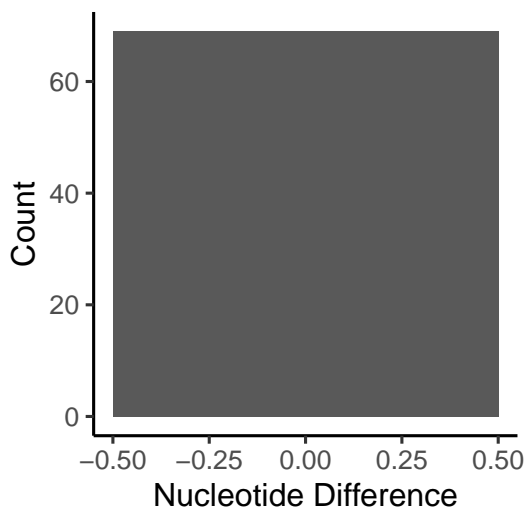
TRBV6-56*ap01

8664 sequences assigned
8565 (98.9%) exact matches, in which:
8361 unique CDR3
13 unique J



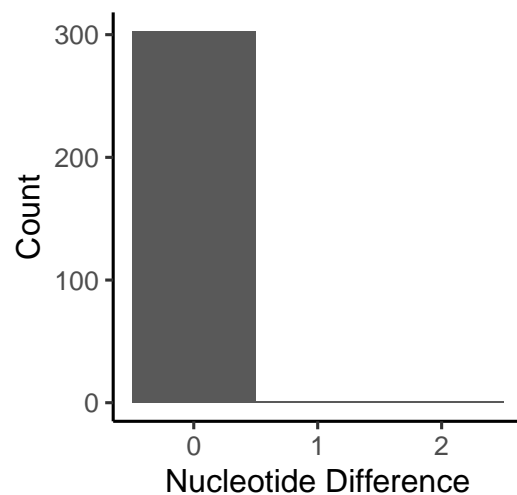
TRBV7-1*ap01_G291C_T

69 sequences assigned
69 (100%) exact matches, in which:
68 unique CDR3
12 unique J



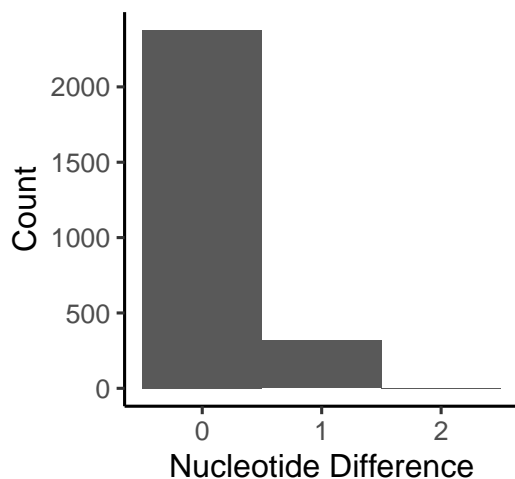
TRBV7-4*ap01

305 sequences assigned
303 (99.3%) exact matches, in which:
299 unique CDR3
13 unique J



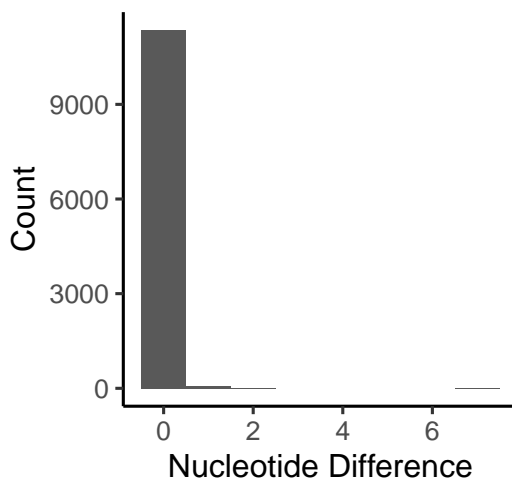
TRBV6-56*ap02

2699 sequences assigned
2377 (88.1%) exact matches, in which:
2327 unique CDR3
13 unique J



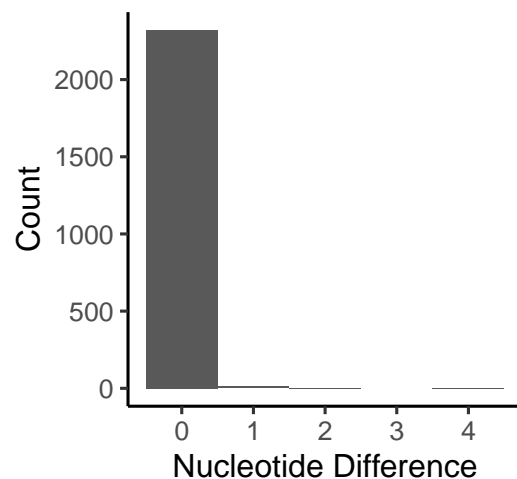
TRBV7-2*ap01

11436 sequences assigned
11356 (99.3%) exact matches, in which:
11267 unique CDR3
13 unique J



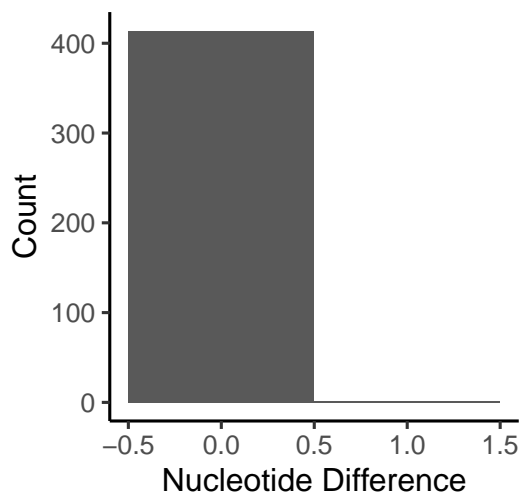
TRBV7-6*ap01

2336 sequences assigned
2321 (99.4%) exact matches, in which:
2295 unique CDR3
13 unique J



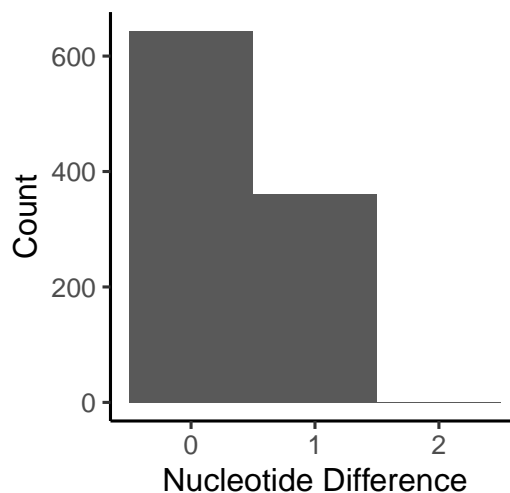
TRBV7-7*ap01

416 sequences assigned
414 (99.5%) exact matches, in which:
409 unique CDR3
13 unique J



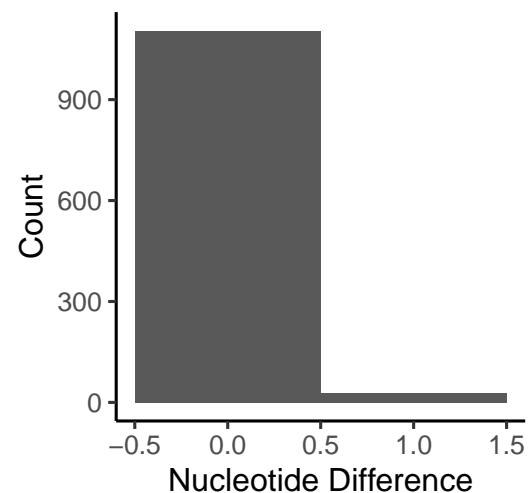
TRBV7-8*ap03

1006 sequences assigned
644 (64%) exact matches, in which:
638 unique CDR3
13 unique J



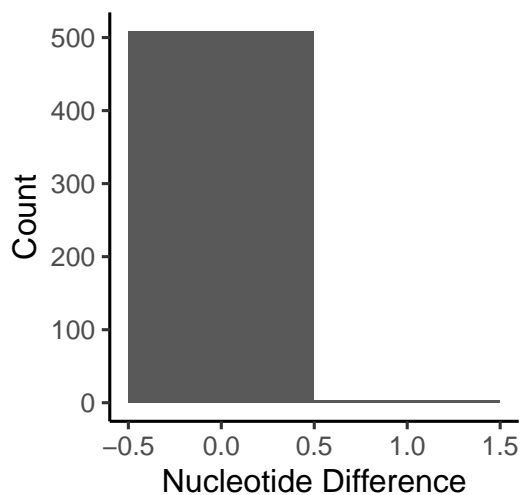
TRBV29-1*ap02

1132 sequences assigned
1105 (97.6%) exact matches, in which:
1083 unique CDR3
13 unique J



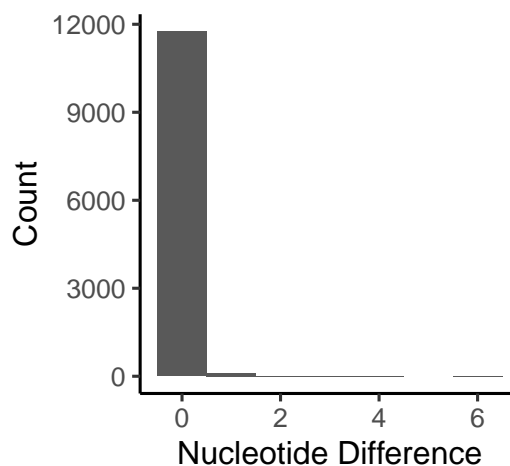
TRBV7-7*ap01_C315T

513 sequences assigned
509 (99.2%) exact matches, in which:
504 unique CDR3
13 unique J



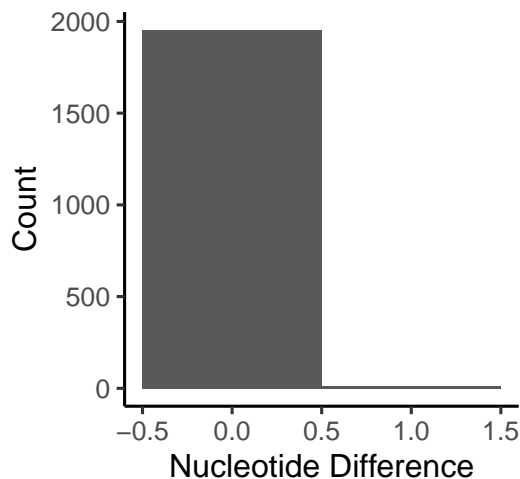
TRBV7-9*ap01

11870 sequences assigned
11755 (99%) exact matches, in which:
11600 unique CDR3
13 unique J



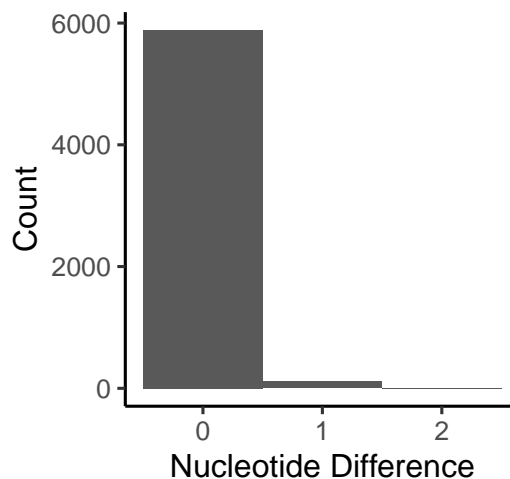
TRBV7-8*ap01

1965 sequences assigned
1953 (99.4%) exact matches, in which:
1932 unique CDR3
13 unique J

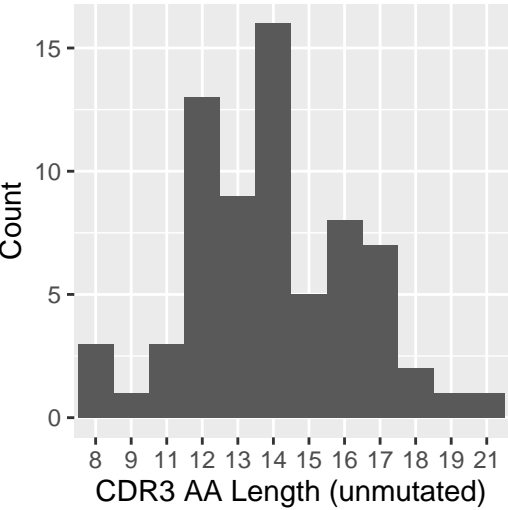


TRBV29-1*ap01

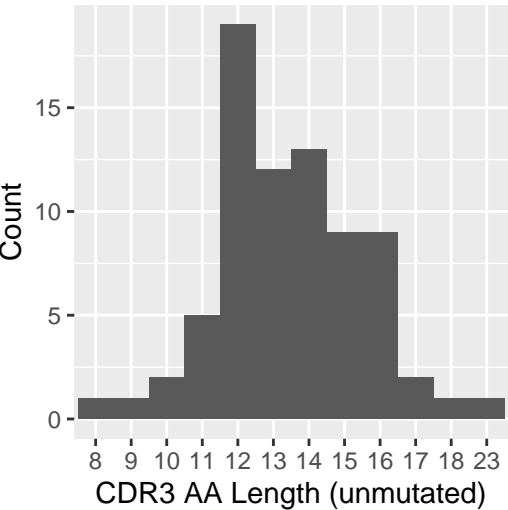
6000 sequences assigned
5885 (98.1%) exact matches, in which:
5711 unique CDR3
13 unique J



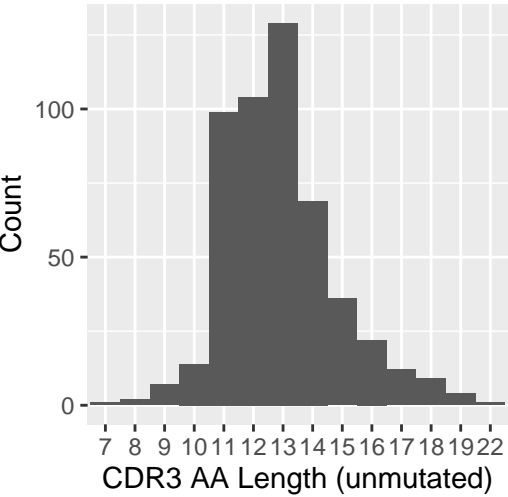
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]