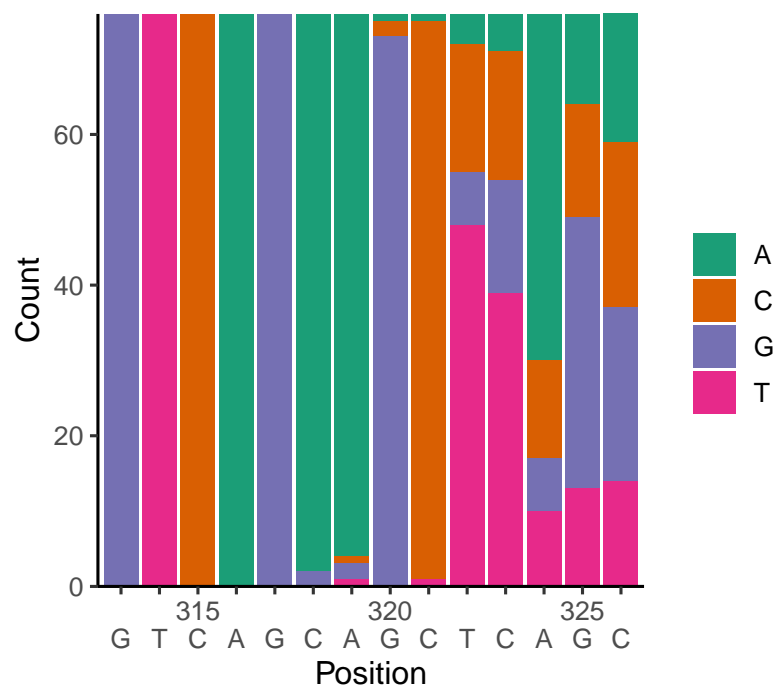
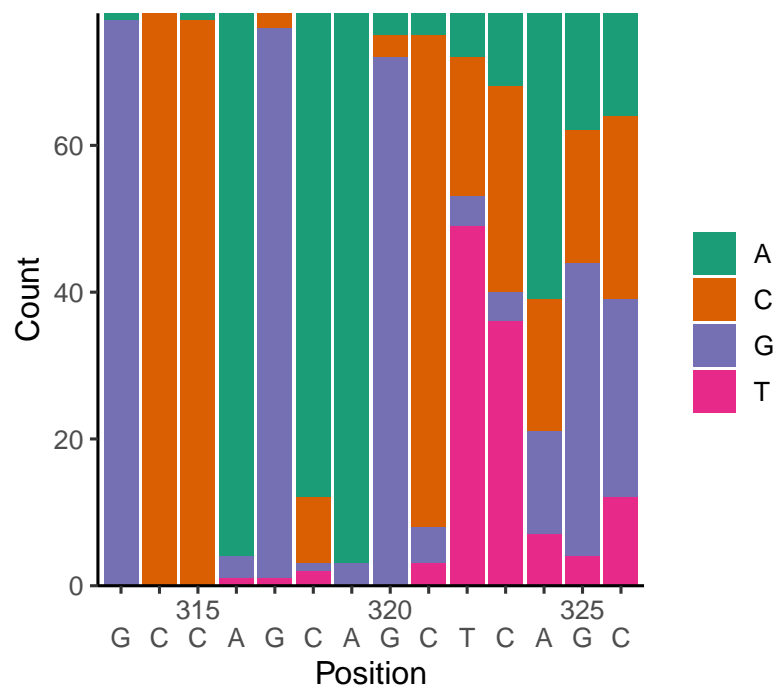


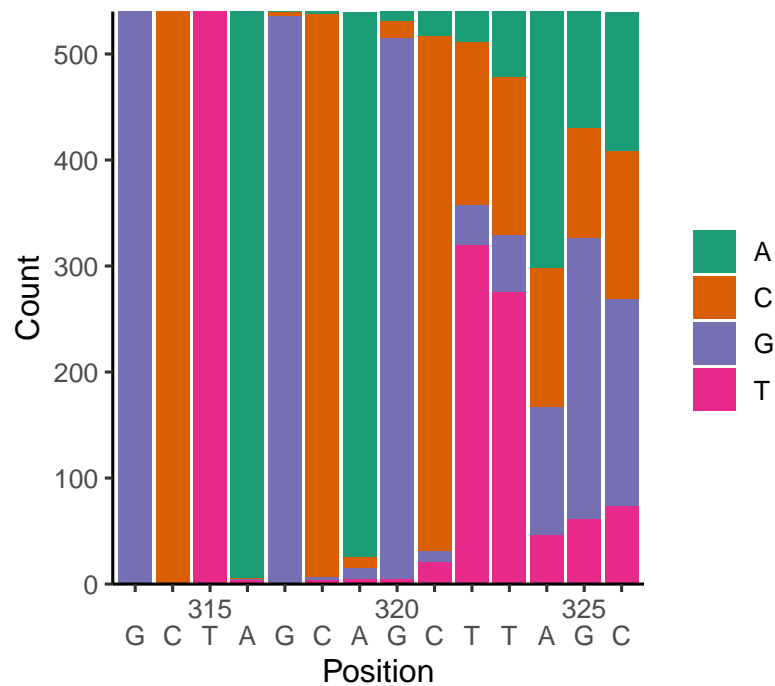
Gene TRBV7-1*ap01_G291C_T296C_C314T



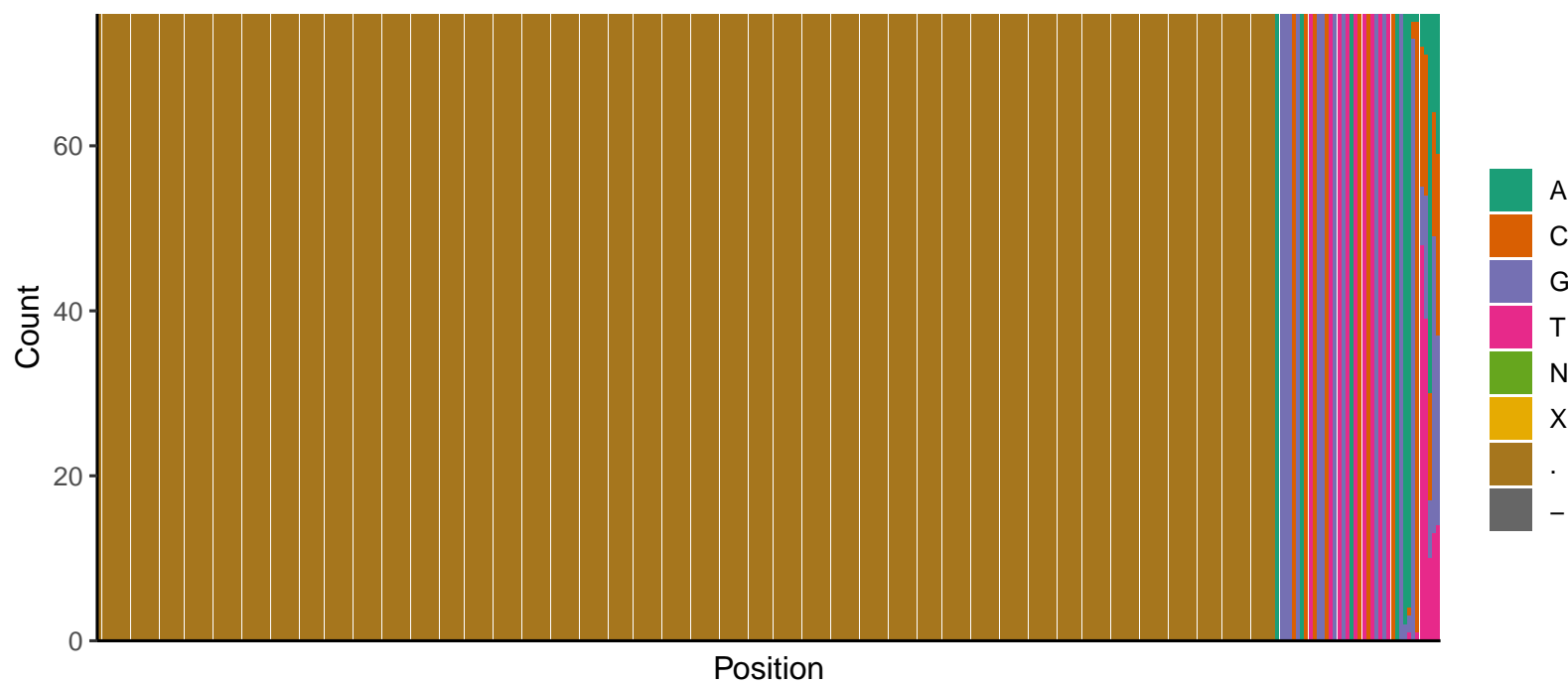
Gene TRBV7-1*ap01_G291C_T296C



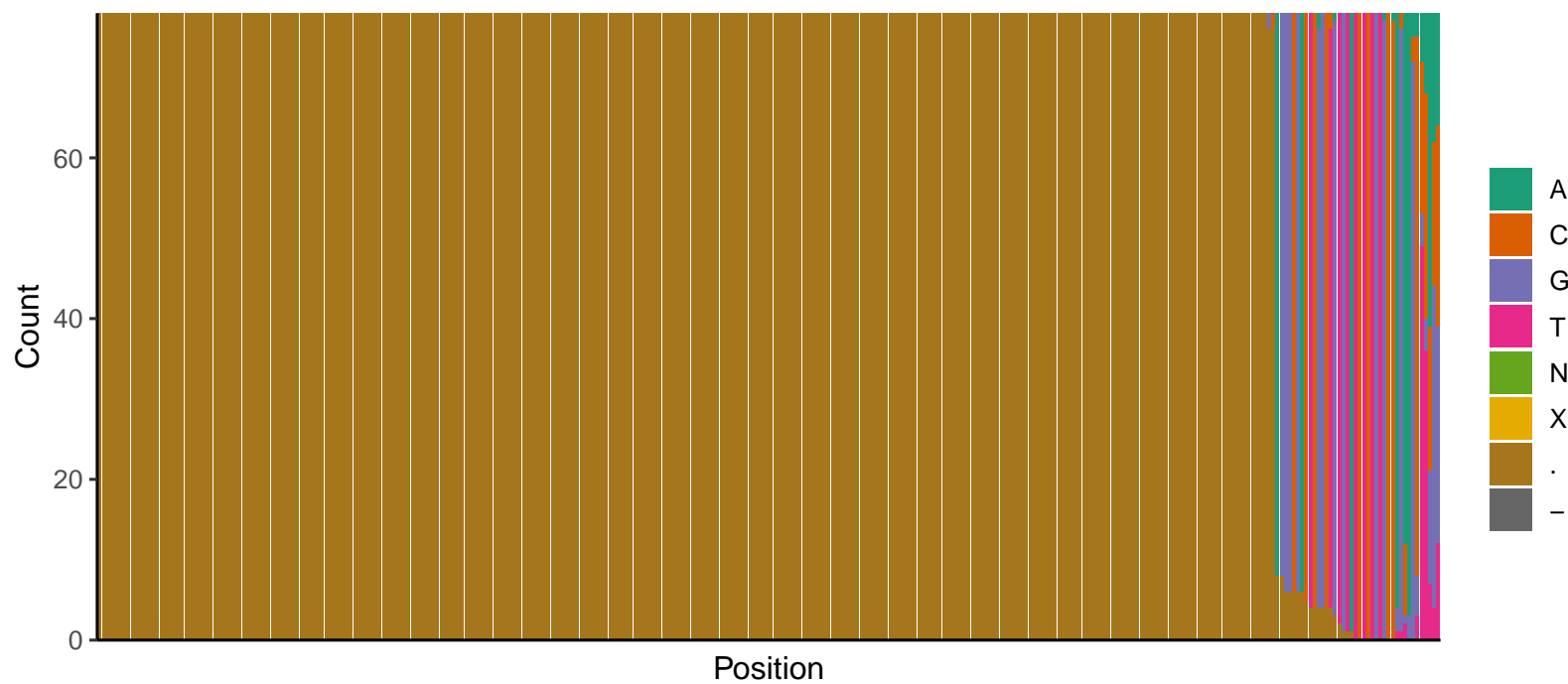
Gene TRBV7-7*ap01_C315T



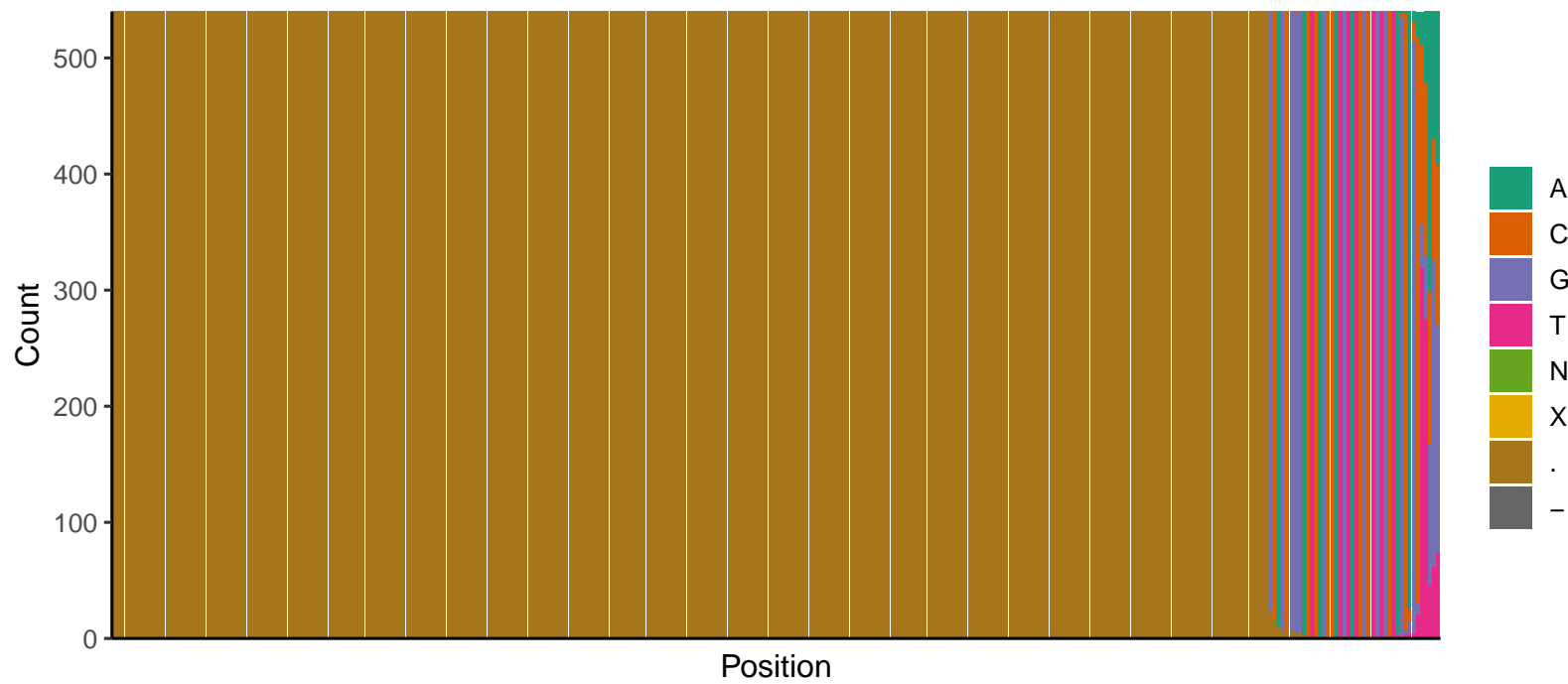
Gene TRBV7-1*ap01_G291C_T296C_C314T



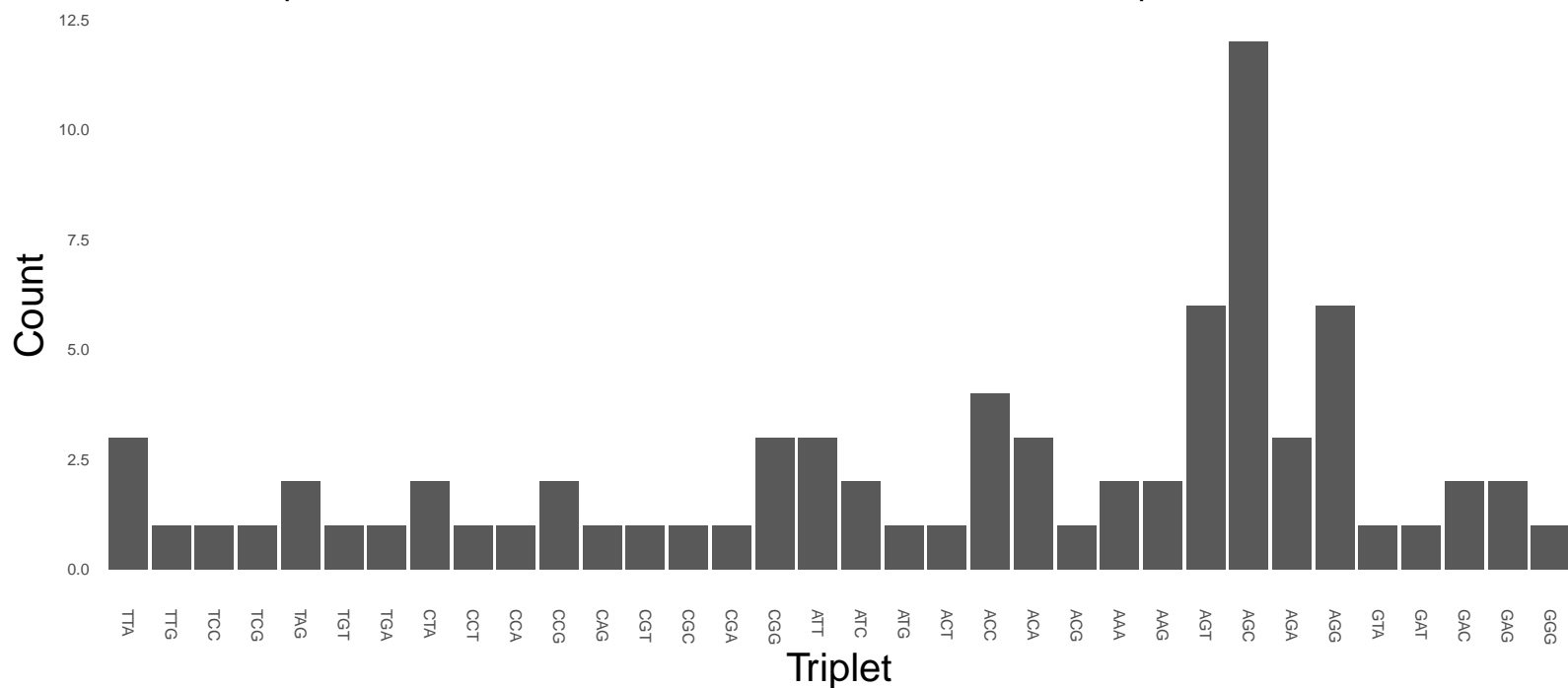
Gene TRBV7-1*ap01_G291C_T296C



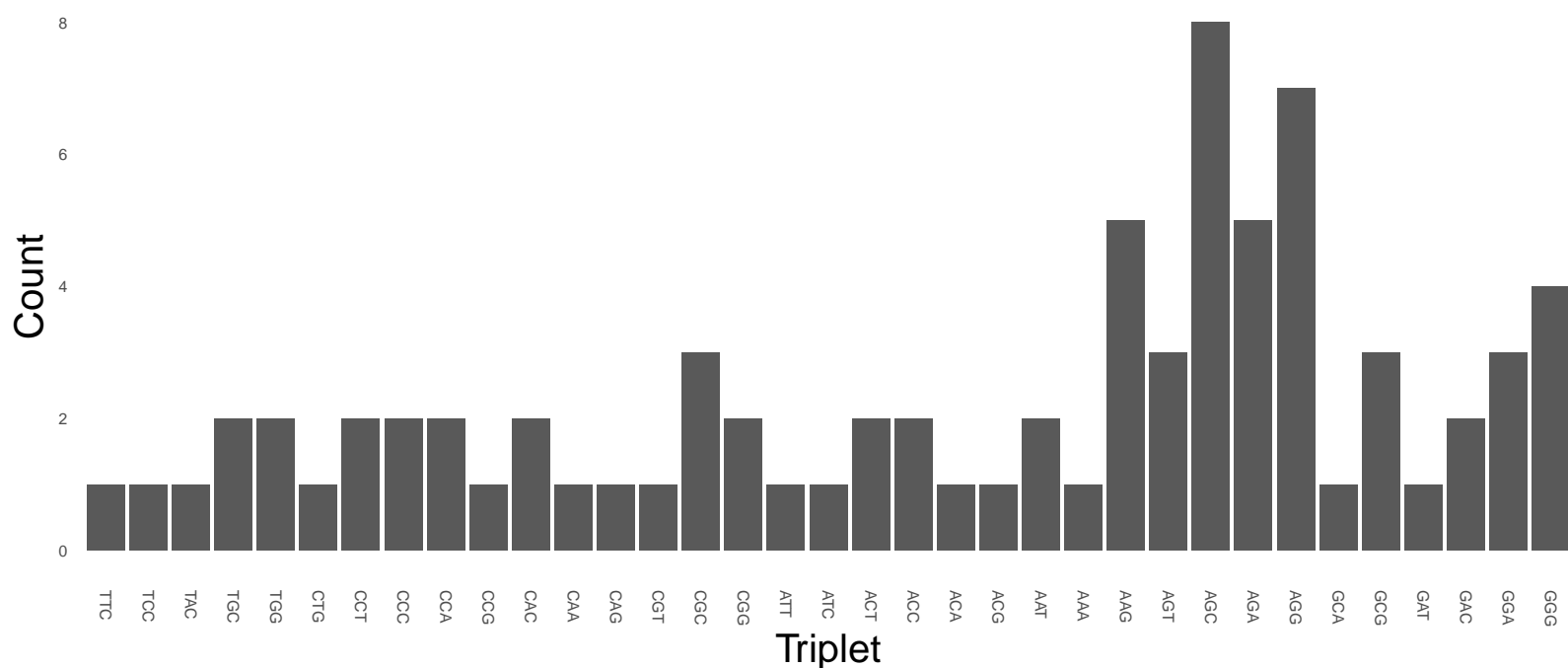
Gene TRBV7-7*ap01_C315T



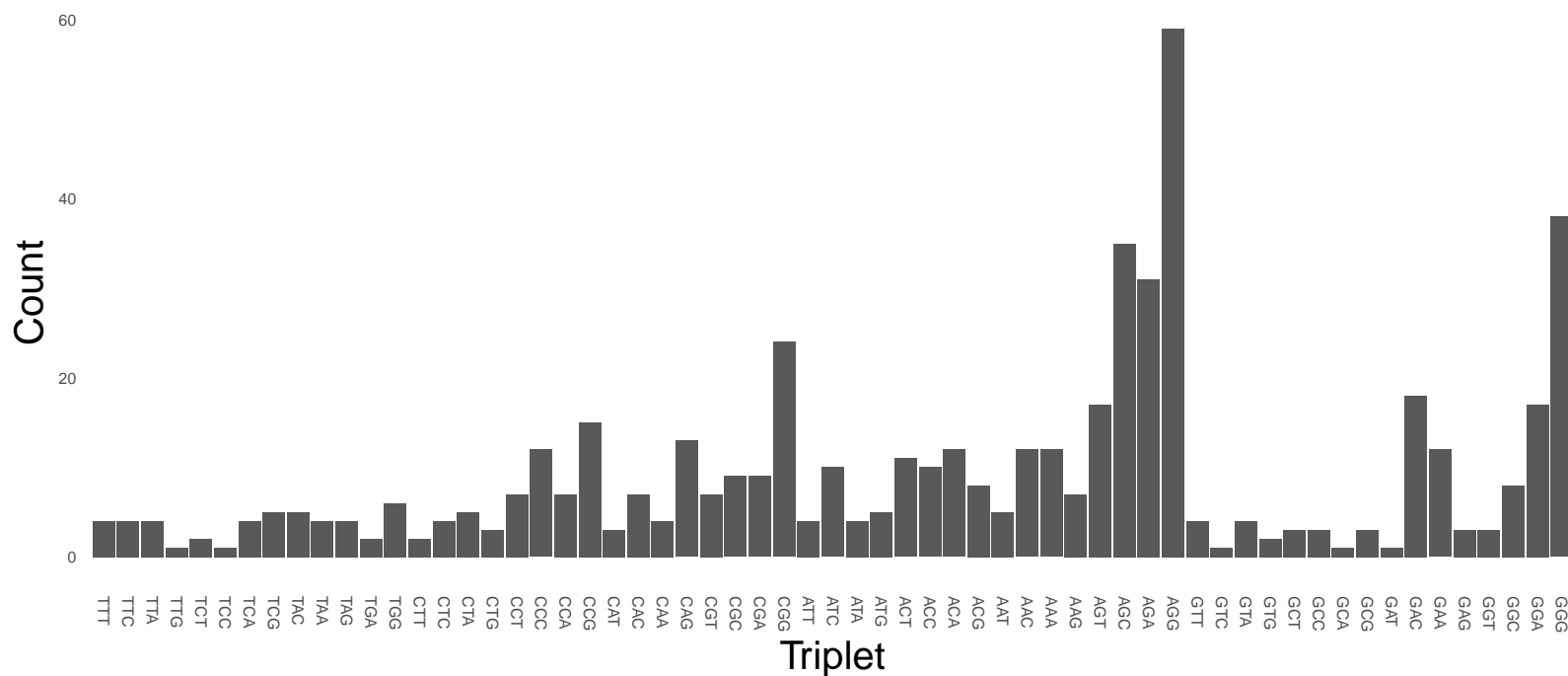
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

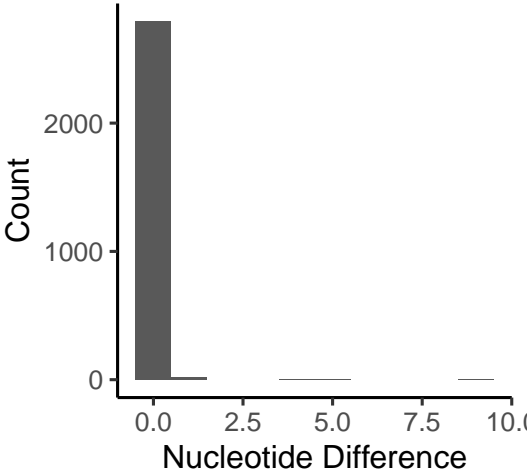


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



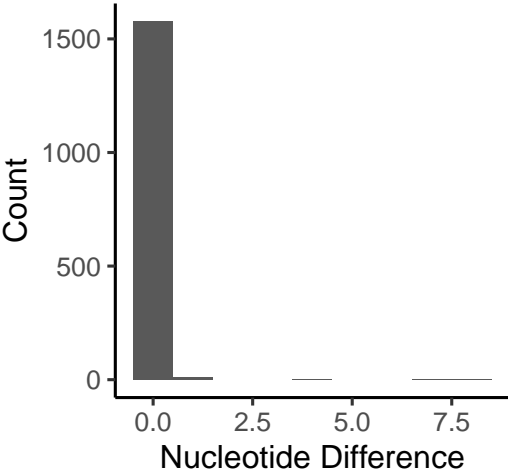
TRBV10-1*ap01

2820 sequences assigned
2793 (99%) exact matches, in which:
2749 unique CDR3
13 unique J



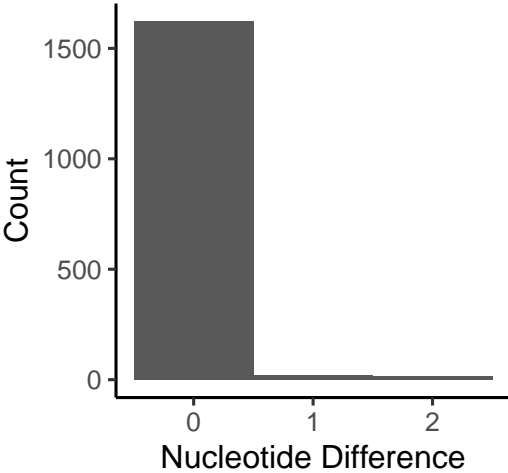
TRBV10-2*ap01

1593 sequences assigned
1577 (99%) exact matches, in which:
1557 unique CDR3
13 unique J



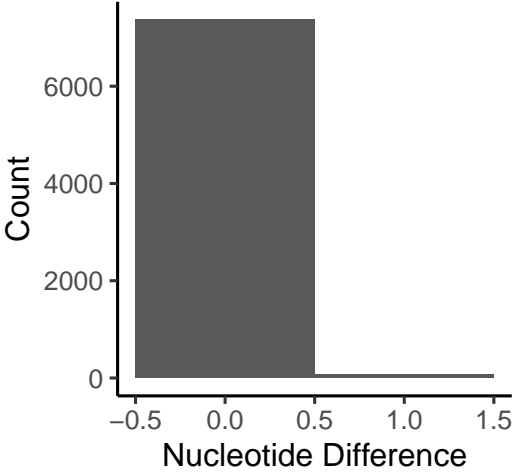
TRBV13*ap01

1658 sequences assigned
1622 (97.8%) exact matches, in which:
1575 unique CDR3
13 unique J



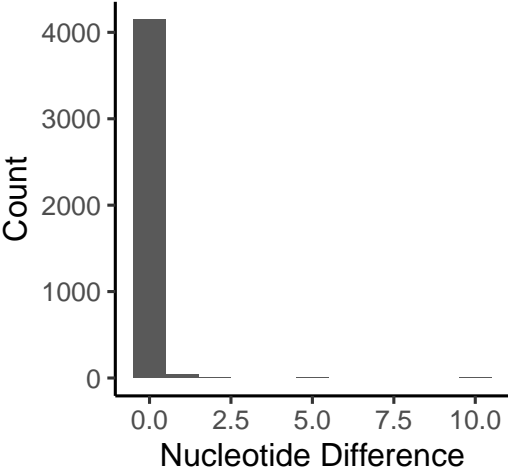
TRBV20-1*ap01

7440 sequences assigned
7367 (99%) exact matches, in which:
7310 unique CDR3
13 unique J



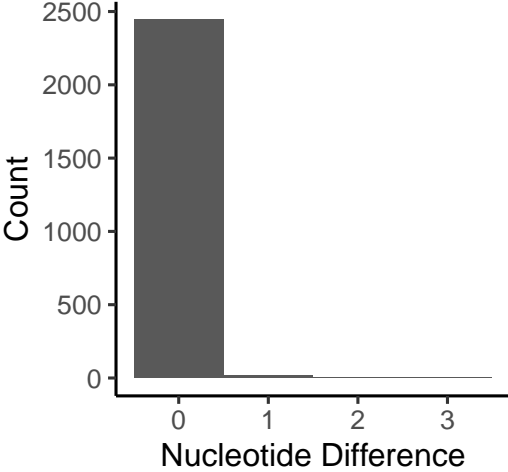
TRBV10-3*ap01

4198 sequences assigned
4146 (98.8%) exact matches, in which:
4093 unique CDR3
13 unique J



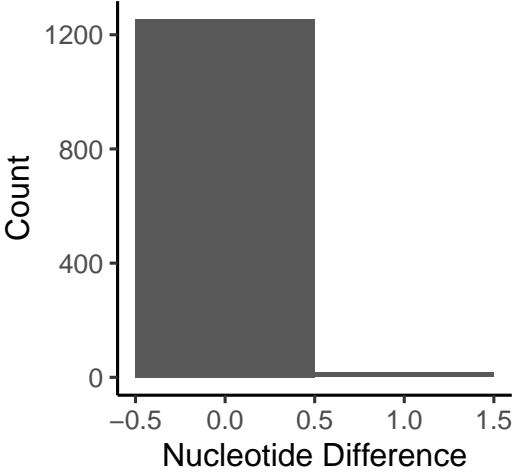
TRBV14*ap01

2460 sequences assigned
2444 (99.3%) exact matches, in which:
2423 unique CDR3
13 unique J



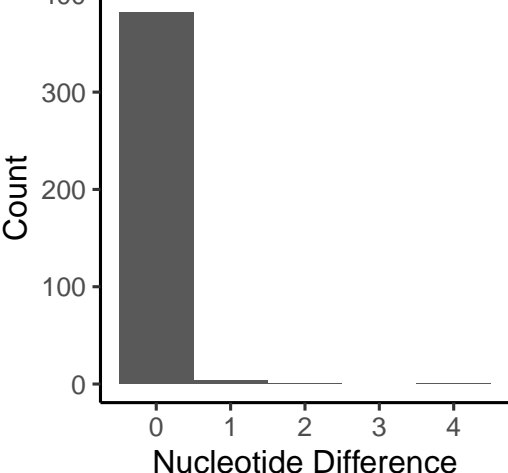
TRBV20-1*ap02

1272 sequences assigned
1255 (98.7%) exact matches, in which:
1247 unique CDR3
13 unique J



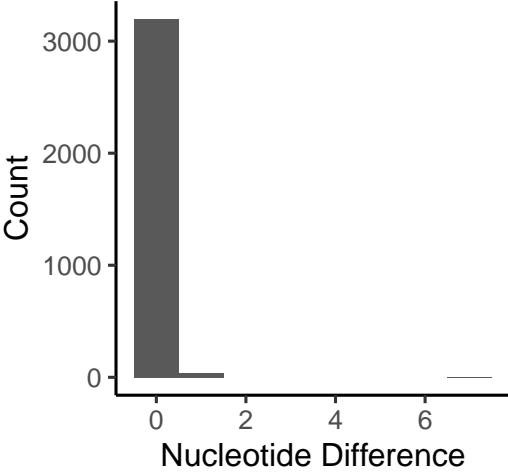
TRBV1*ap01

388 sequences assigned
382 (98.5%) exact matches, in which:
371 unique CDR3
13 unique J



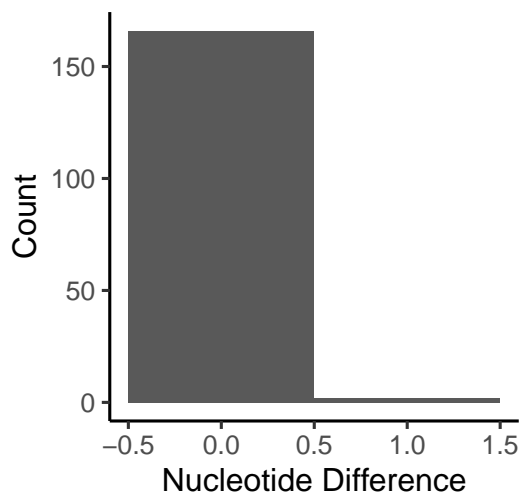
TRBV15*ap02

3239 sequences assigned
3197 (98.7%) exact matches, in which:
3157 unique CDR3
13 unique J



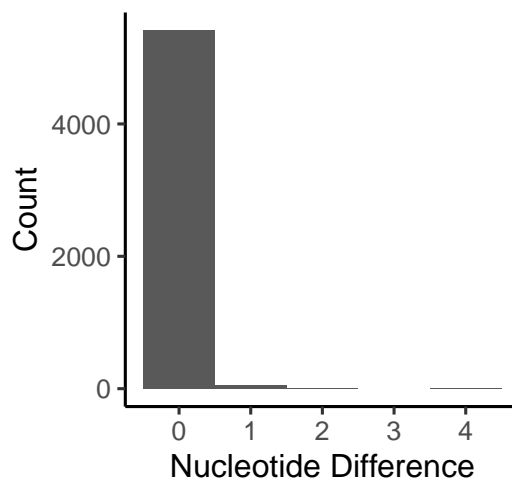
TRBV16*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
166 unique CDR3
12 unique J



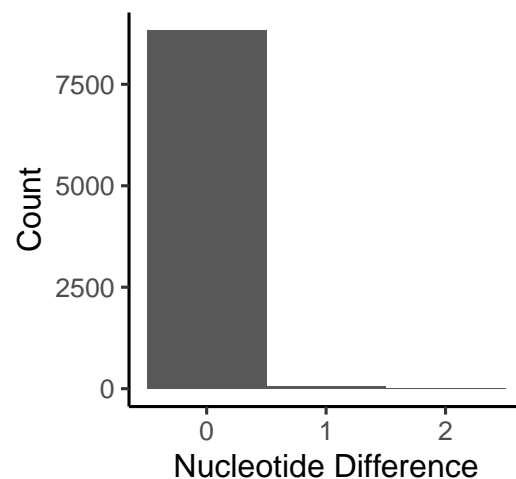
TRBV2*ap01

5475 sequences assigned
5413 (98.9%) exact matches, in which:
5334 unique CDR3
13 unique J



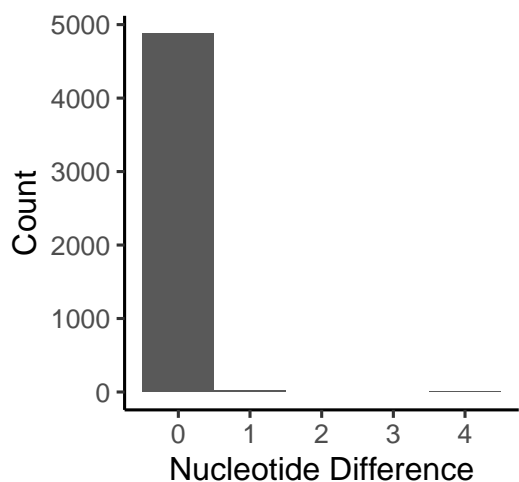
TRBV28*ap01

8899 sequences assigned
8828 (99.2%) exact matches, in which:
8718 unique CDR3
13 unique J



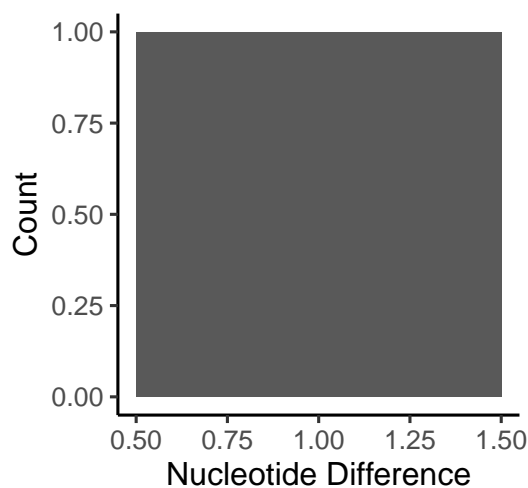
TRBV18*ap01

4894 sequences assigned
4876 (99.6%) exact matches, in which:
4855 unique CDR3
13 unique J



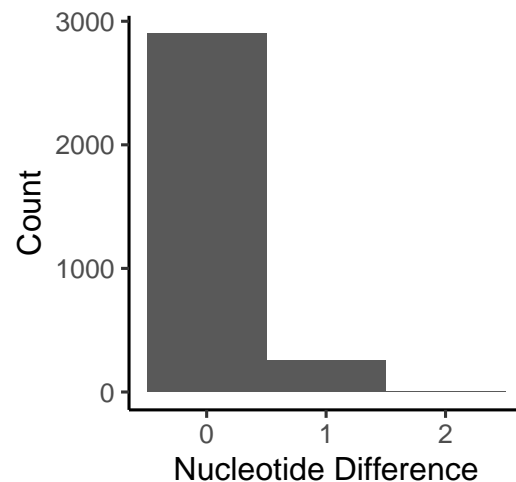
TRBV26*ap01

1 sequences assigned
No exact matches.



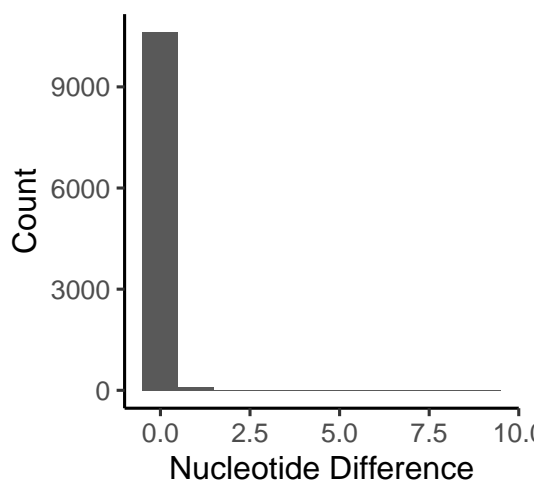
TRBV30*ap01

3153 sequences assigned
2899 (91.9%) exact matches, in which:
2820 unique CDR3
13 unique J



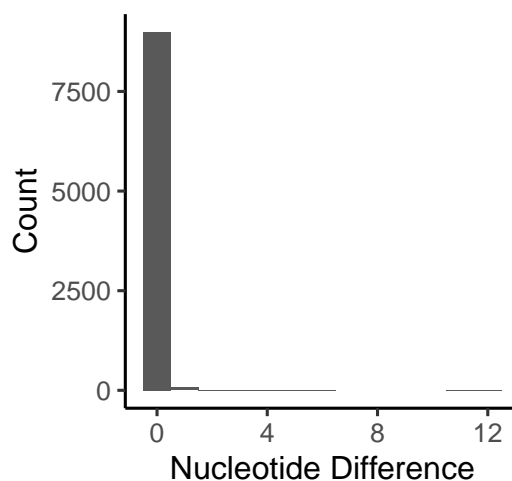
TRBV19*ap01

10738 sequences assigned
10626 (99%) exact matches, in which:
10565 unique CDR3
13 unique J



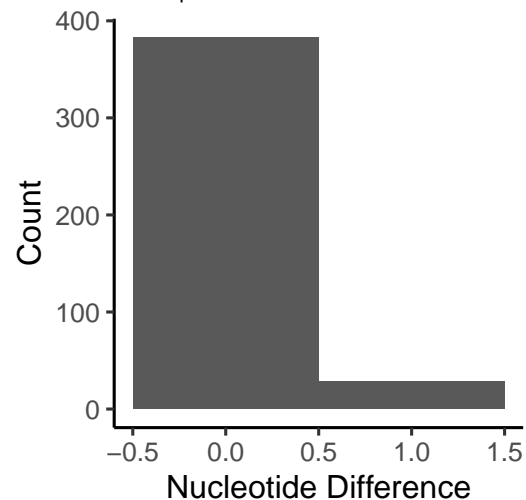
TRBV27*ap01

9068 sequences assigned
8990 (99.1%) exact matches, in which:
8866 unique CDR3
13 unique J



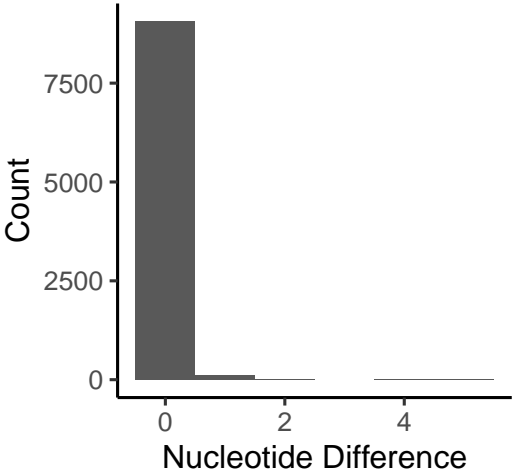
TRBV30*ap03

411 sequences assigned
383 (93.2%) exact matches, in which:
372 unique CDR3
13 unique J



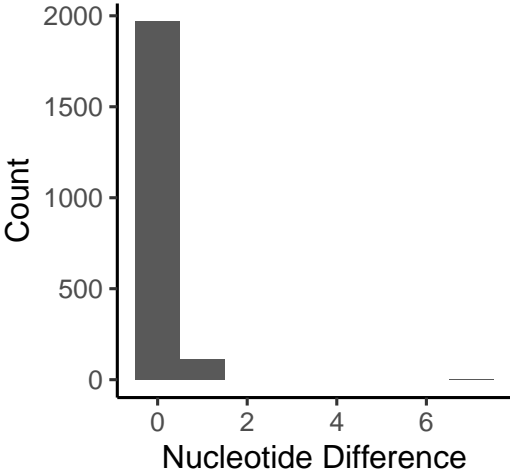
TRBV9*ap01

9179 sequences assigned
9061 (98.7%) exact matches, in which:
8999 unique CDR3
13 unique J



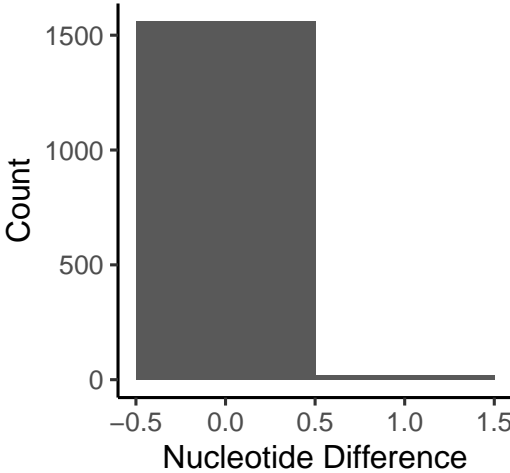
TRBV11-3*ap01

2081 sequences assigned
1969 (94.6%) exact matches, in which:
1961 unique CDR3
13 unique J



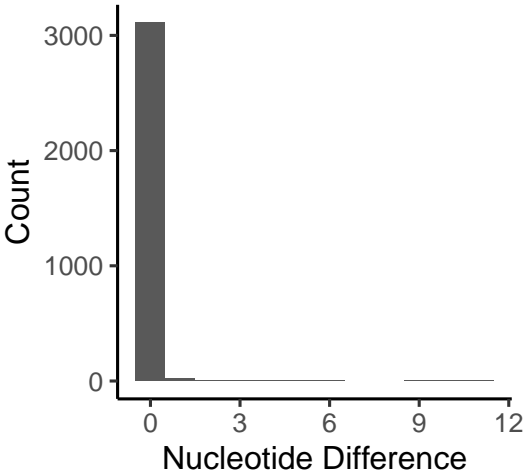
TRBV12-5*ap01

1578 sequences assigned
1560 (98.9%) exact matches, in which:
1547 unique CDR3
13 unique J



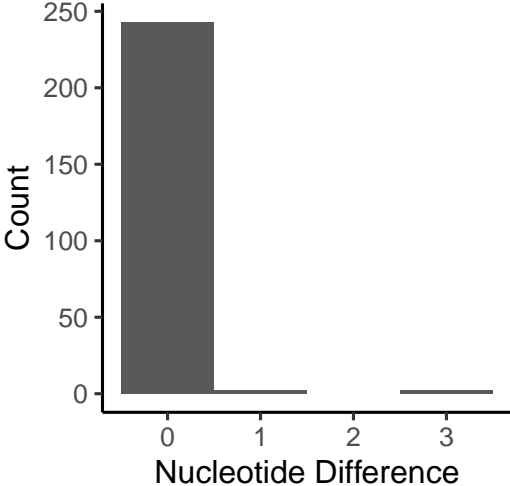
TRBV21-1*ap01

3155 sequences assigned
3110 (98.6%) exact matches, in which:
3101 unique CDR3
13 unique J



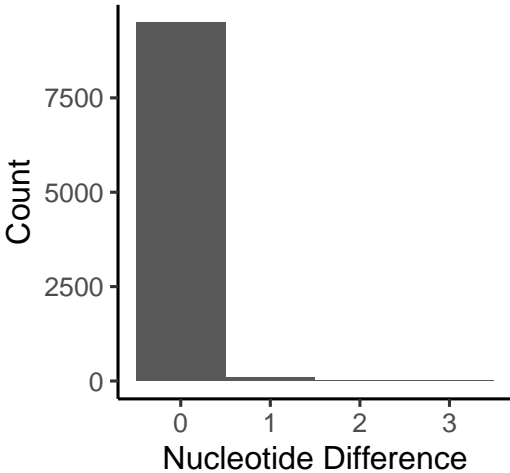
TRBV12-1*ap01

247 sequences assigned
243 (98.4%) exact matches, in which:
237 unique CDR3
13 unique J



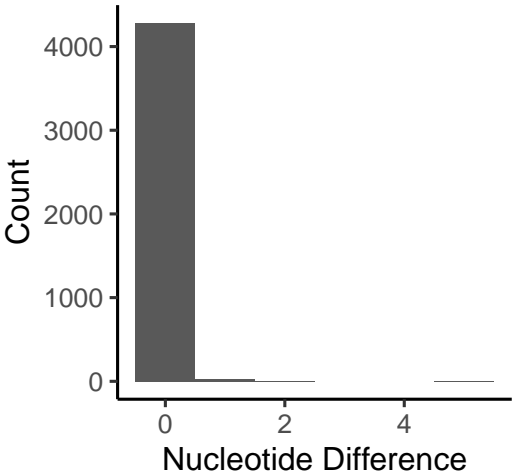
TRBV12-34*ap01

9592 sequences assigned
9490 (98.9%) exact matches, in which:
9364 unique CDR3
13 unique J



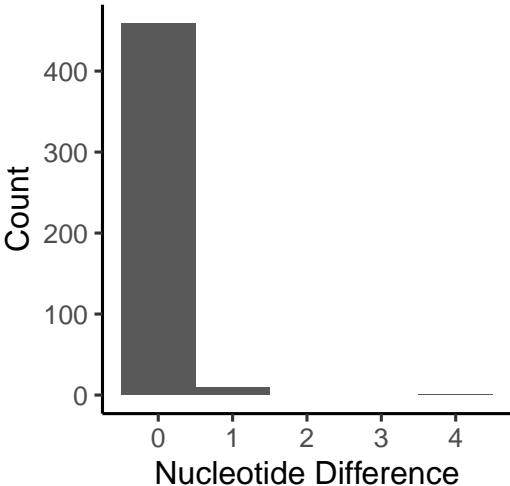
TRBV11-2*ap01

4311 sequences assigned
4281 (99.3%) exact matches, in which:
4249 unique CDR3
13 unique J



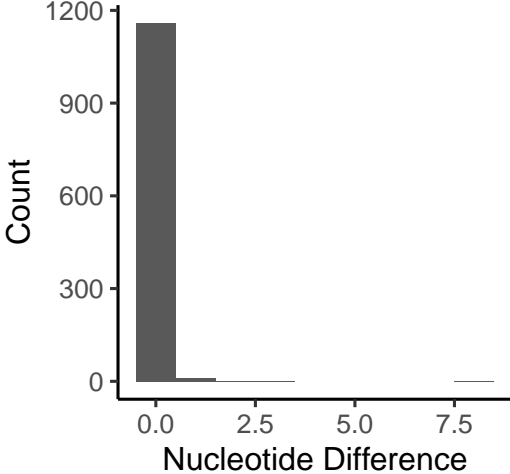
TRBV12-2*ap01

469 sequences assigned
459 (97.9%) exact matches, in which:
454 unique CDR3
13 unique J



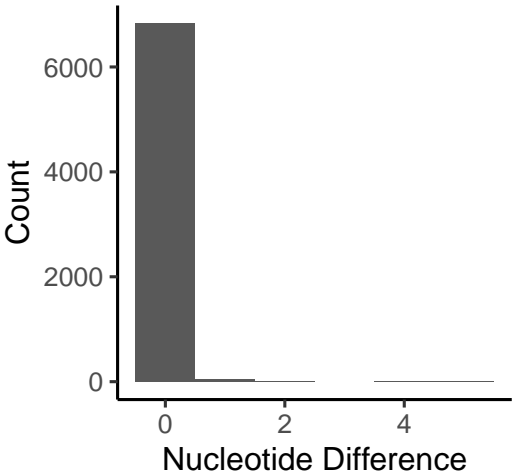
TRBV23-1*ap01

1172 sequences assigned
1159 (98.9%) exact matches, in which:
1152 unique CDR3
13 unique J



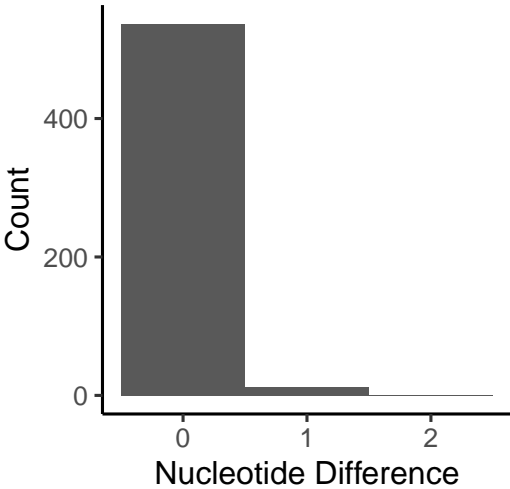
TRBV3-12*ap01

6877 sequences assigned
6830 (99.3%) exact matches, in which:
6782 unique CDR3
13 unique J



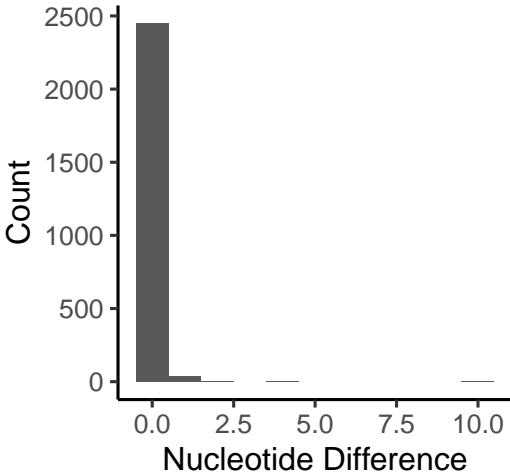
TRBV4-2*ap01

550 sequences assigned
537 (97.6%) exact matches, in which:
532 unique CDR3
13 unique J



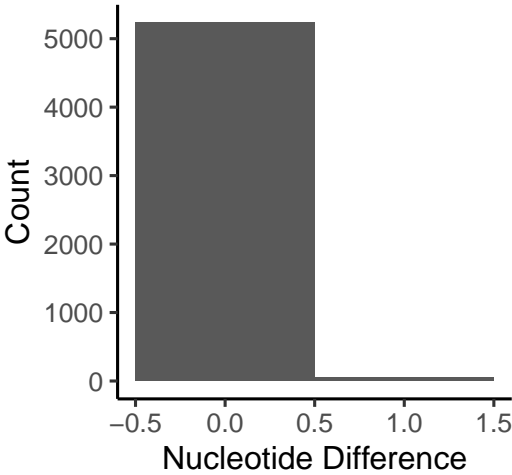
TRBV25-1*ap01

2490 sequences assigned
2449 (98.4%) exact matches, in which:
2395 unique CDR3
13 unique J



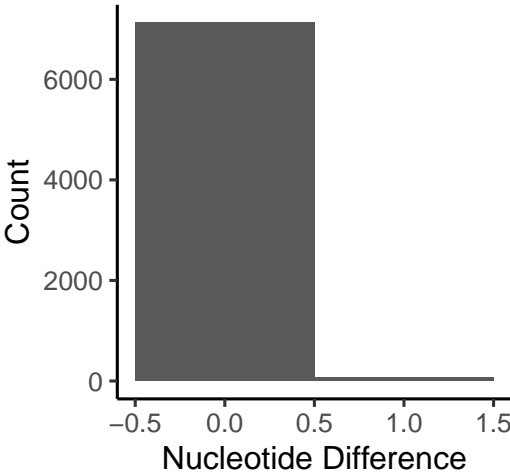
TRBV4-1*ap01

5285 sequences assigned
5233 (99%) exact matches, in which:
5137 unique CDR3
13 unique J



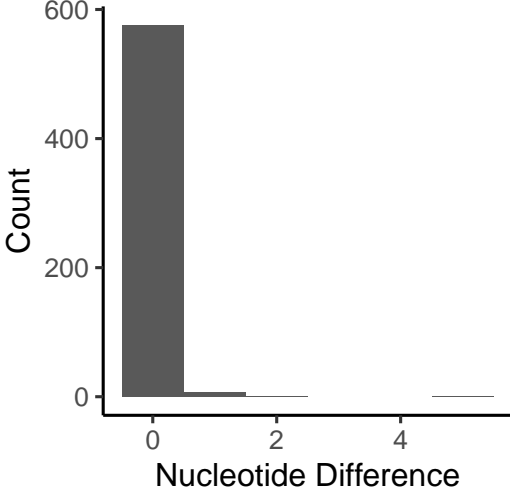
TRBV4-3*ap01

7189 sequences assigned
7126 (99.1%) exact matches, in which:
7029 unique CDR3
13 unique J



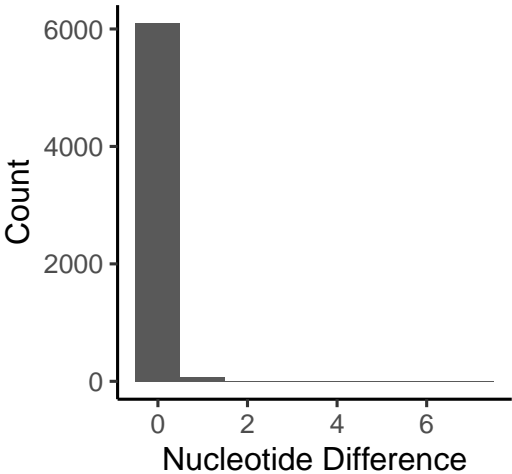
TRBV5-3*ap01

585 sequences assigned
576 (98.5%) exact matches, in which:
565 unique CDR3
13 unique J



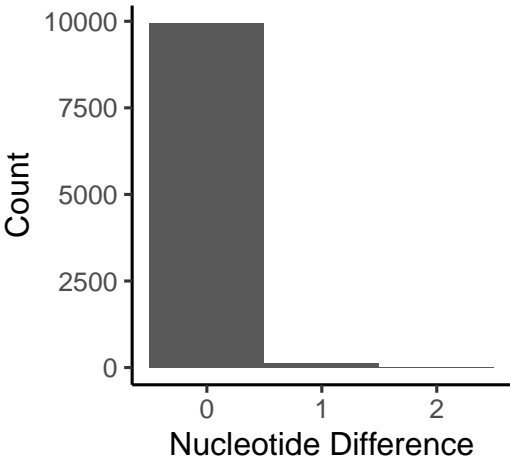
TRBV24-1*ap01

6182 sequences assigned
6101 (98.7%) exact matches, in which:
6009 unique CDR3
13 unique J



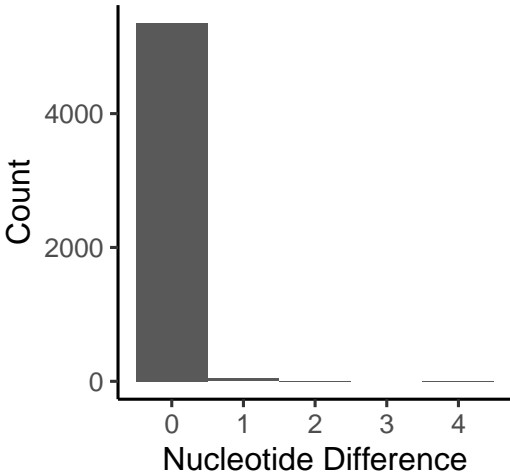
TRBV5-1*ap01

10088 sequences assigned
9956 (98.7%) exact matches, in which:
9783 unique CDR3
13 unique J



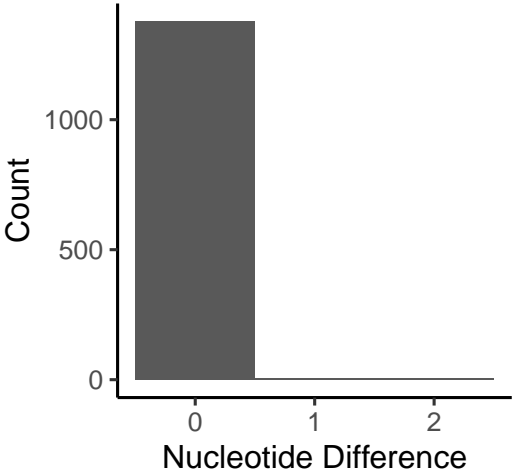
TRBV5-4*ap01

5396 sequences assigned
5353 (99.2%) exact matches, in which:
5261 unique CDR3
13 unique J



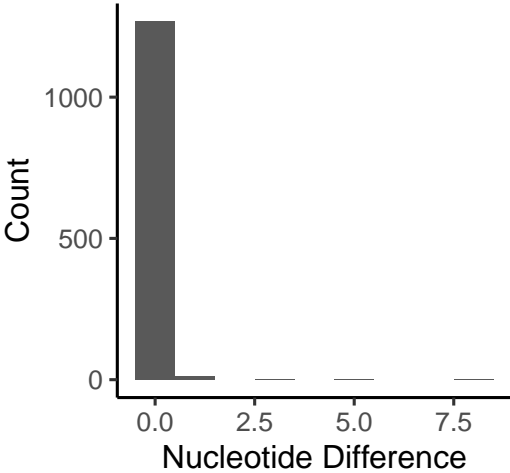
TRBV5-5*ap01

1387 sequences assigned
1378 (99.4%) exact matches, in which:
1376 unique CDR3
13 unique J



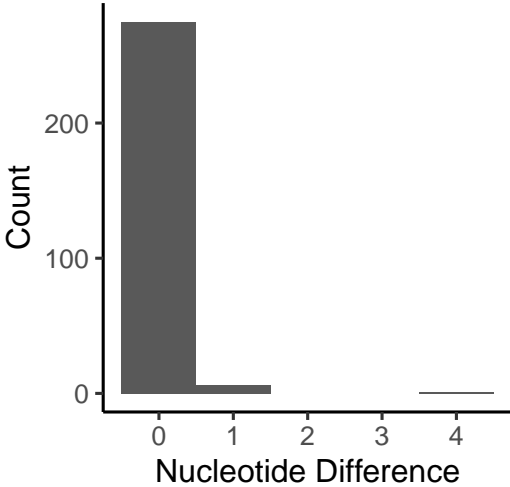
TRBV5-8*ap01

1284 sequences assigned
1268 (98.8%) exact matches, in which:
1258 unique CDR3
13 unique J



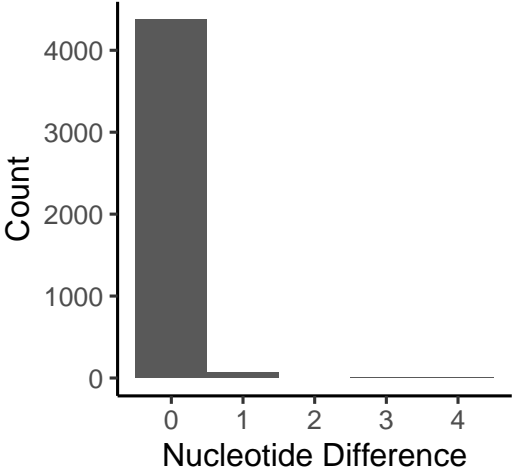
TRBV6-7*ap01

282 sequences assigned
275 (97.5%) exact matches, in which:
268 unique CDR3
13 unique J



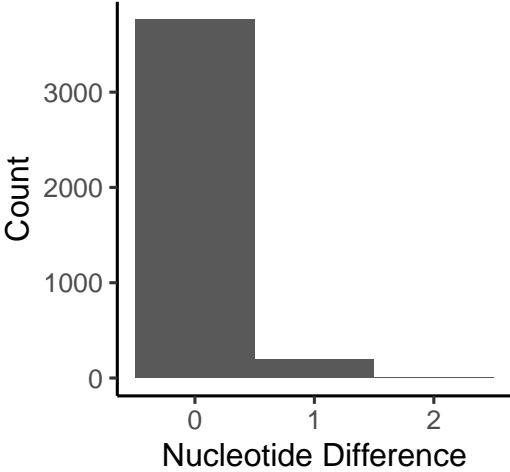
TRBV5-6*ap01

4449 sequences assigned
4373 (98.3%) exact matches, in which:
4270 unique CDR3
13 unique J



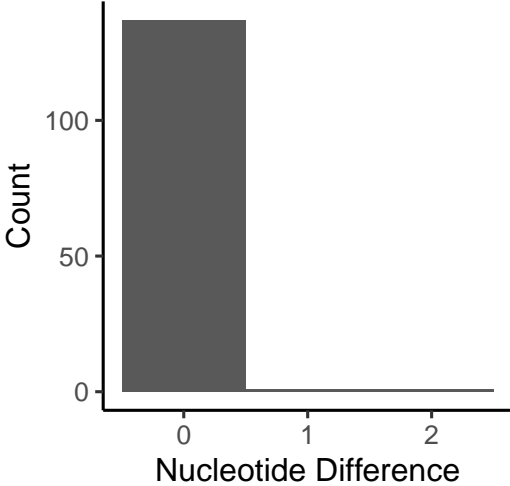
TRBV6-1*ap01

3952 sequences assigned
3760 (95.1%) exact matches, in which:
3676 unique CDR3
13 unique J



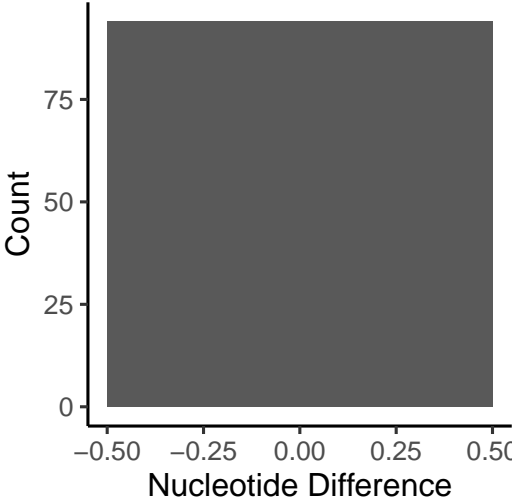
TRBV6-8*ap01

139 sequences assigned
137 (98.6%) exact matches, in which:
135 unique CDR3
13 unique J



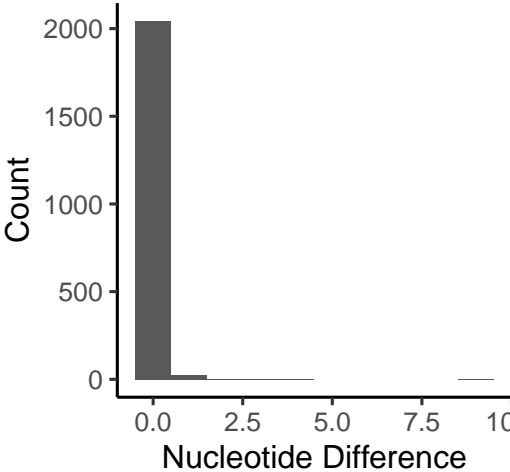
TRBV5-7*ap01

94 sequences assigned
94 (100%) exact matches, in which:
90 unique CDR3
11 unique J



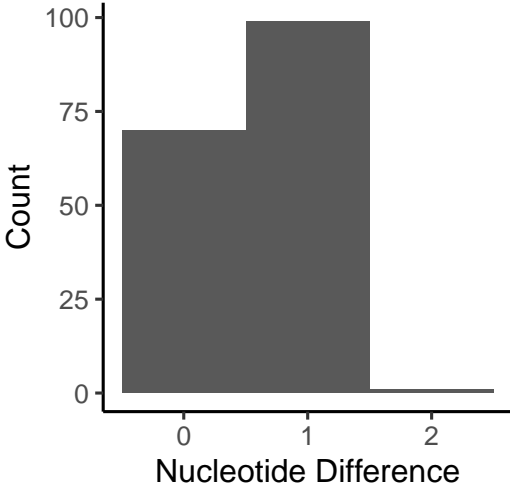
TRBV6-4*ap01

2077 sequences assigned
2043 (98.4%) exact matches, in which:
2026 unique CDR3
13 unique J



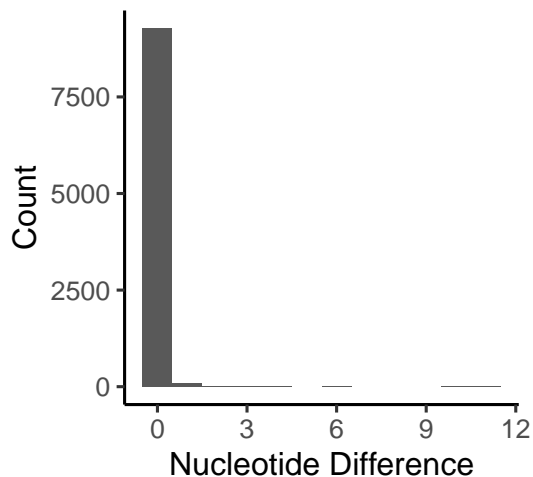
TRBV6-9*ap01

170 sequences assigned
70 (41.2%) exact matches, in which:
69 unique CDR3
13 unique J



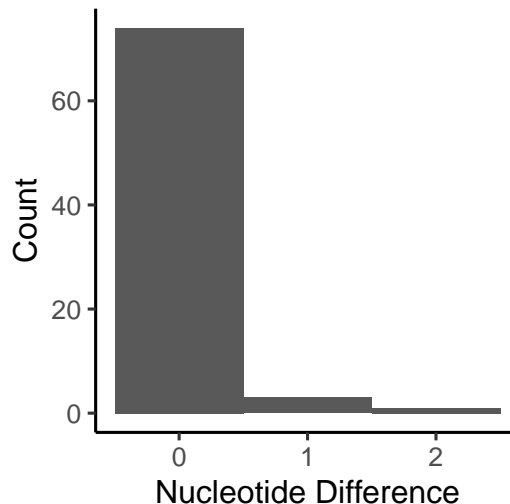
TRBV6-23*ap01

9381 sequences assigned
9273 (98.8%) exact matches, in which:
9026 unique CDR3
13 unique J



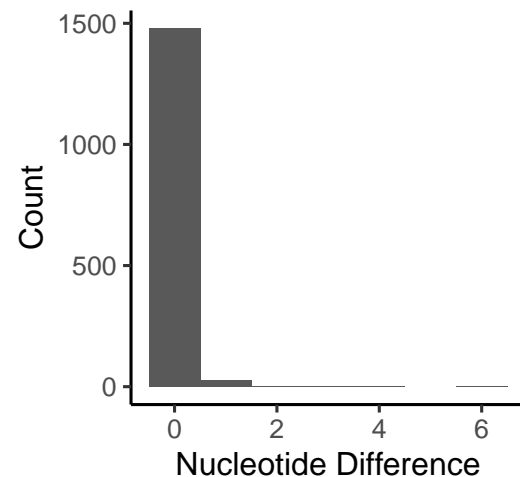
TRBV7-1*ap01_G291C_T

78 sequences assigned
74 (94.9%) exact matches, in which:
74 unique CDR3
13 unique J



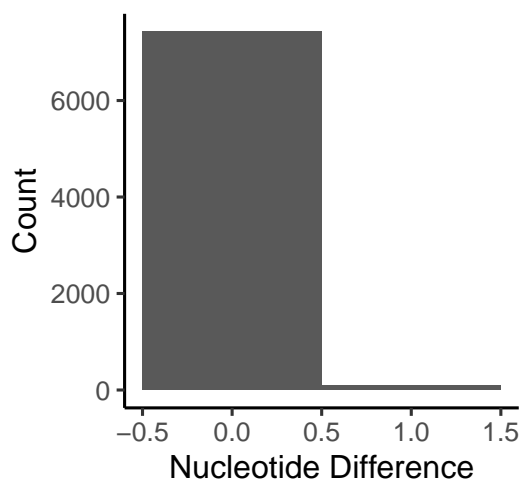
TRBV7-3*ap02

1510 sequences assigned
1479 (97.9%) exact matches, in which:
1463 unique CDR3
13 unique J



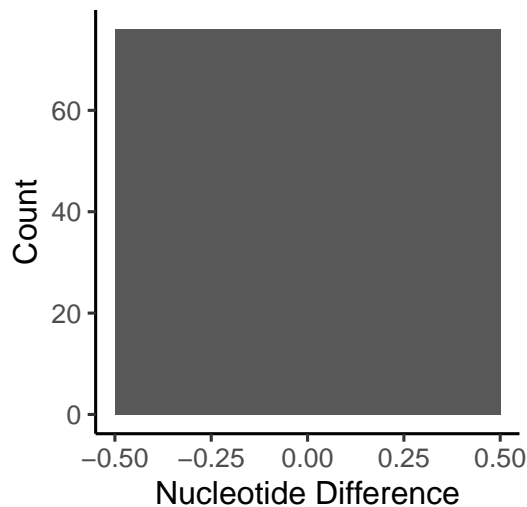
TRBV6-56*ap01

7514 sequences assigned
7426 (98.8%) exact matches, in which:
7252 unique CDR3
13 unique J



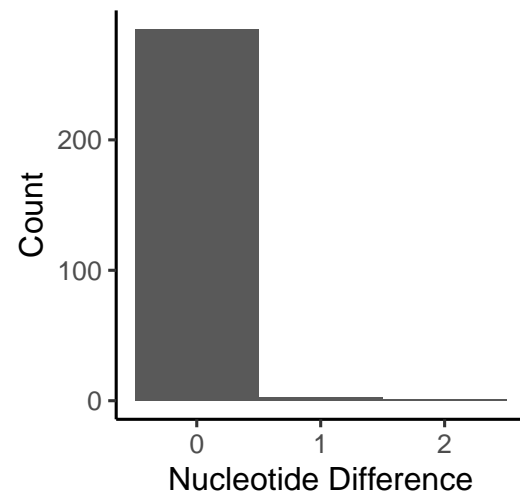
TRBV7-1*ap01_G291C_T

76 sequences assigned
76 (100%) exact matches, in which:
76 unique CDR3
10 unique J



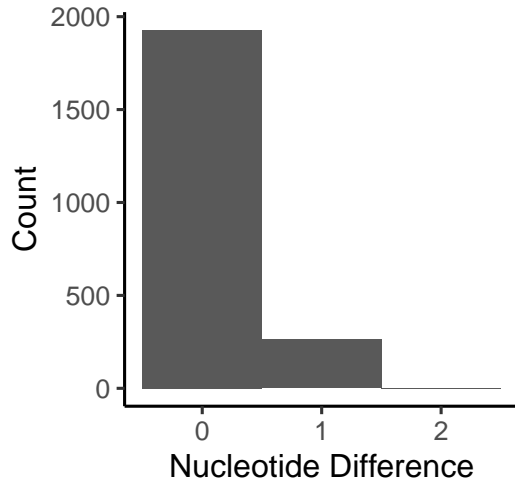
TRBV7-4*ap01

289 sequences assigned
285 (98.6%) exact matches, in which:
281 unique CDR3
13 unique J



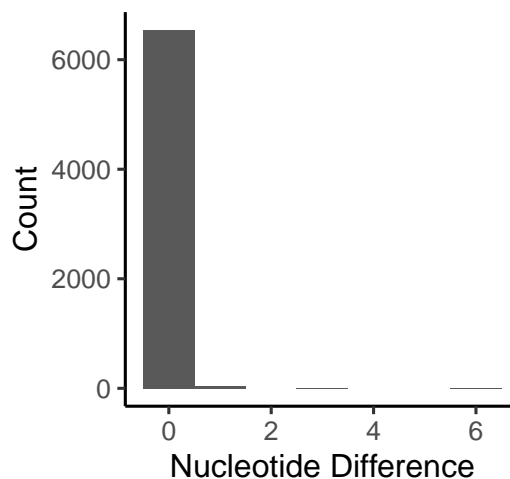
TRBV6-56*ap02

2192 sequences assigned
1928 (88%) exact matches, in which:
1878 unique CDR3
13 unique J



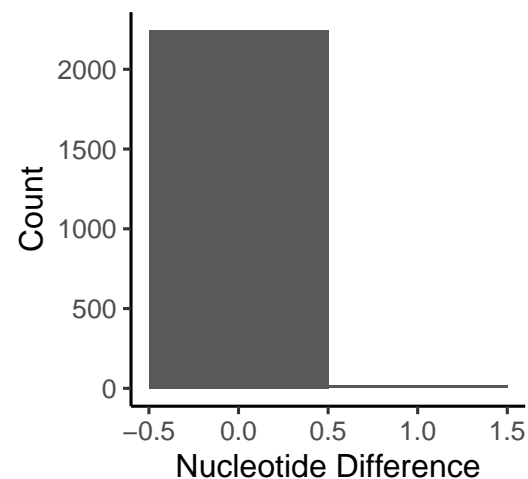
TRBV7-2*ap01

6587 sequences assigned
6541 (99.3%) exact matches, in which:
6465 unique CDR3
13 unique J



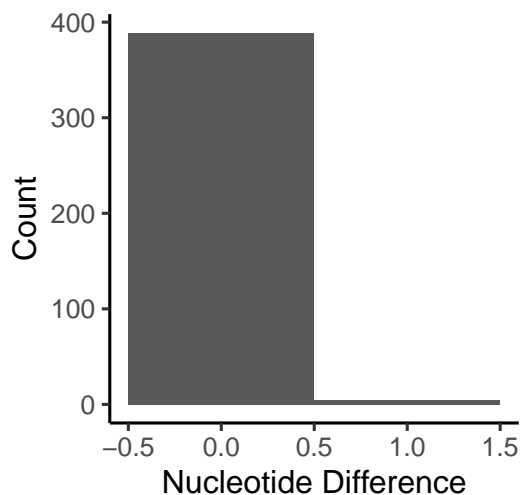
TRBV7-6*ap01

2264 sequences assigned
2246 (99.2%) exact matches, in which:
2220 unique CDR3
13 unique J



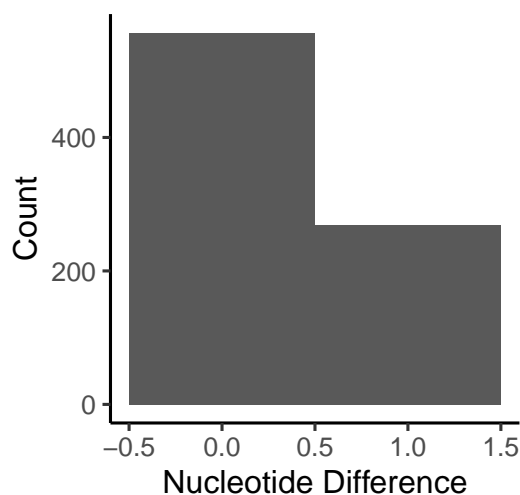
TRBV7-7*ap01

394 sequences assigned
389 (98.7%) exact matches, in which:
387 unique CDR3
13 unique J



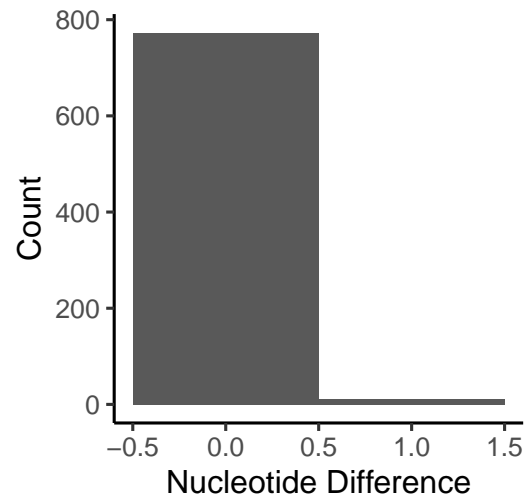
TRBV7-8*ap03

826 sequences assigned
557 (67.4%) exact matches, in which:
552 unique CDR3
13 unique J



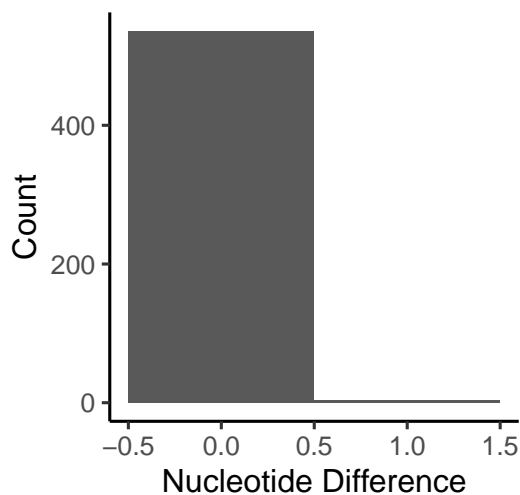
TRBV29-1*ap02

785 sequences assigned
773 (98.5%) exact matches, in which:
740 unique CDR3
13 unique J



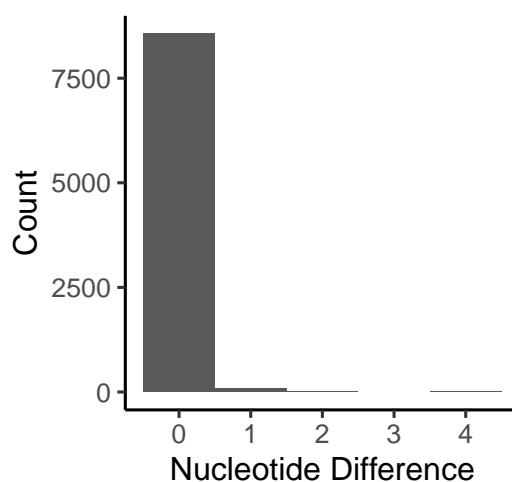
TRBV7-7*ap01_C315T

540 sequences assigned
536 (99.3%) exact matches, in which:
528 unique CDR3
13 unique J



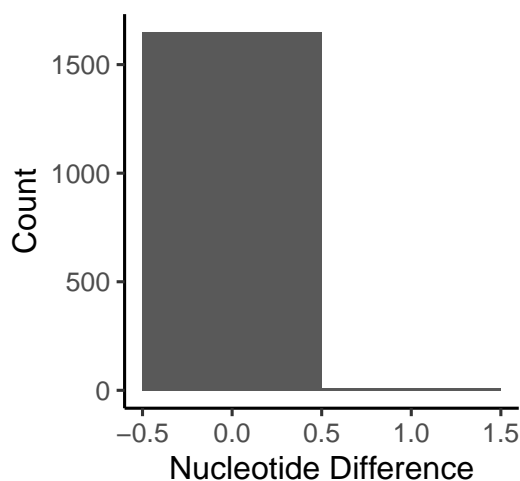
TRBV7-9*ap01

8651 sequences assigned
8563 (99%) exact matches, in which:
8441 unique CDR3
13 unique J



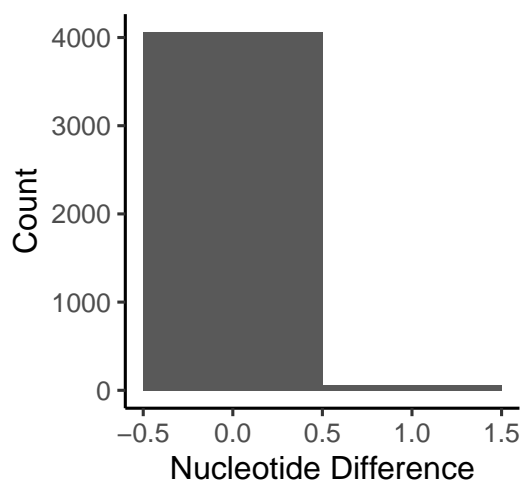
TRBV7-8*ap01

1661 sequences assigned
1650 (99.3%) exact matches, in which:
1635 unique CDR3
13 unique J

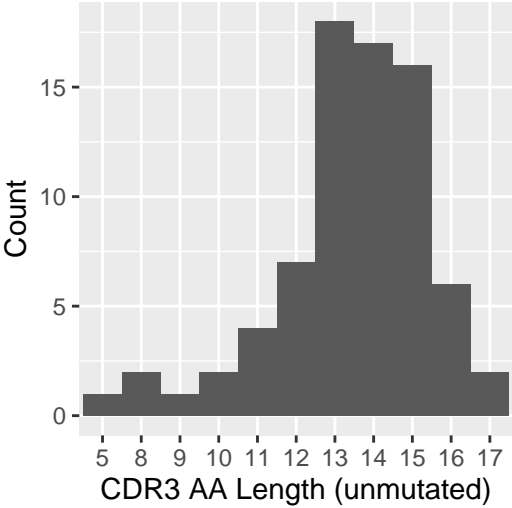


TRBV29-1*ap01

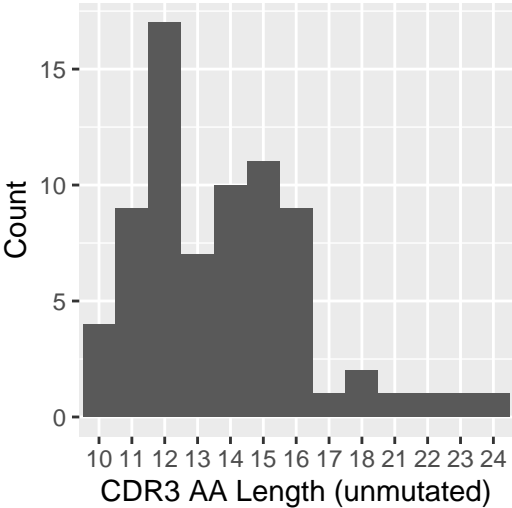
4122 sequences assigned
4062 (98.5%) exact matches, in which:
3949 unique CDR3
13 unique J



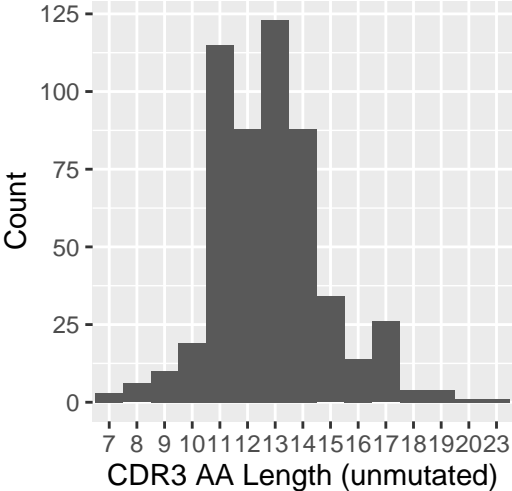
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]