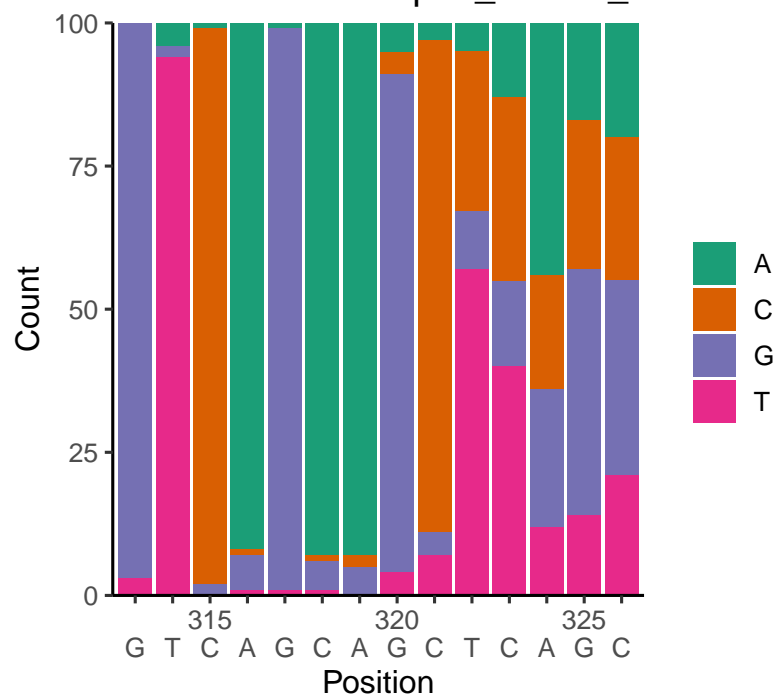
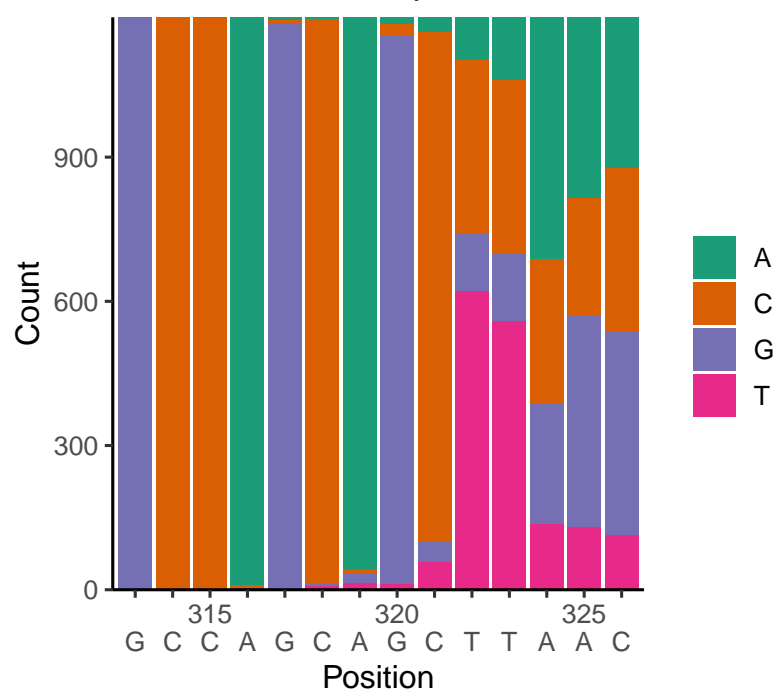


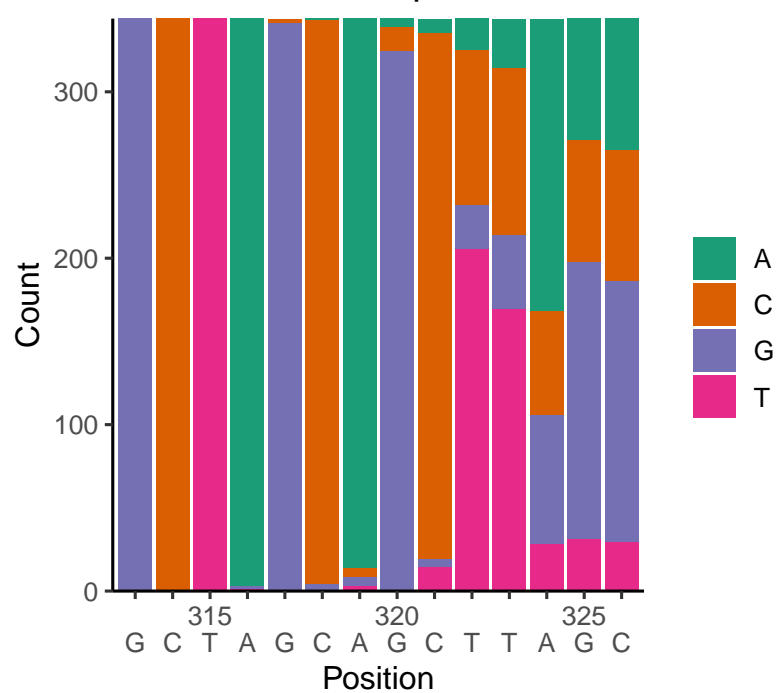
Gene TRBV7-1*ap01_T296C_C314T



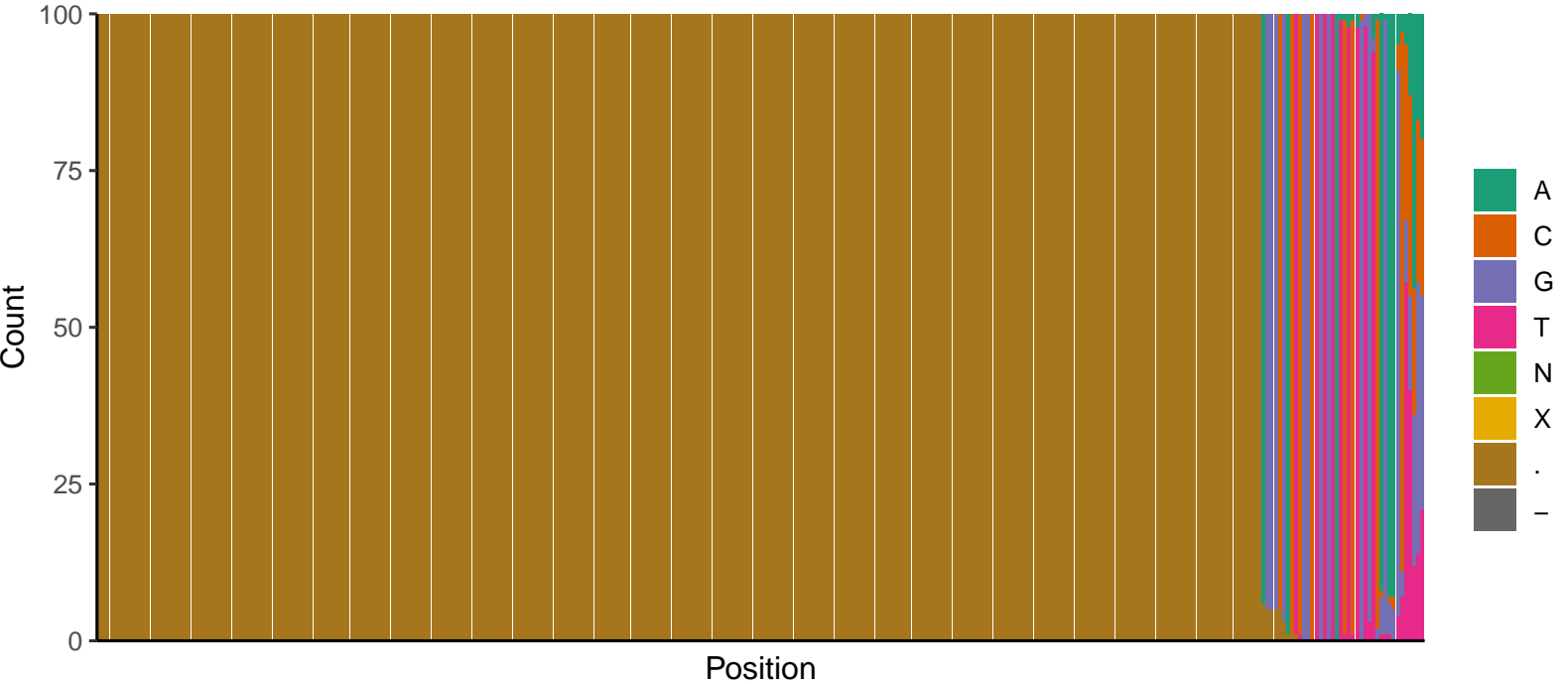
Gene TRBV7-3*ap01_G301A



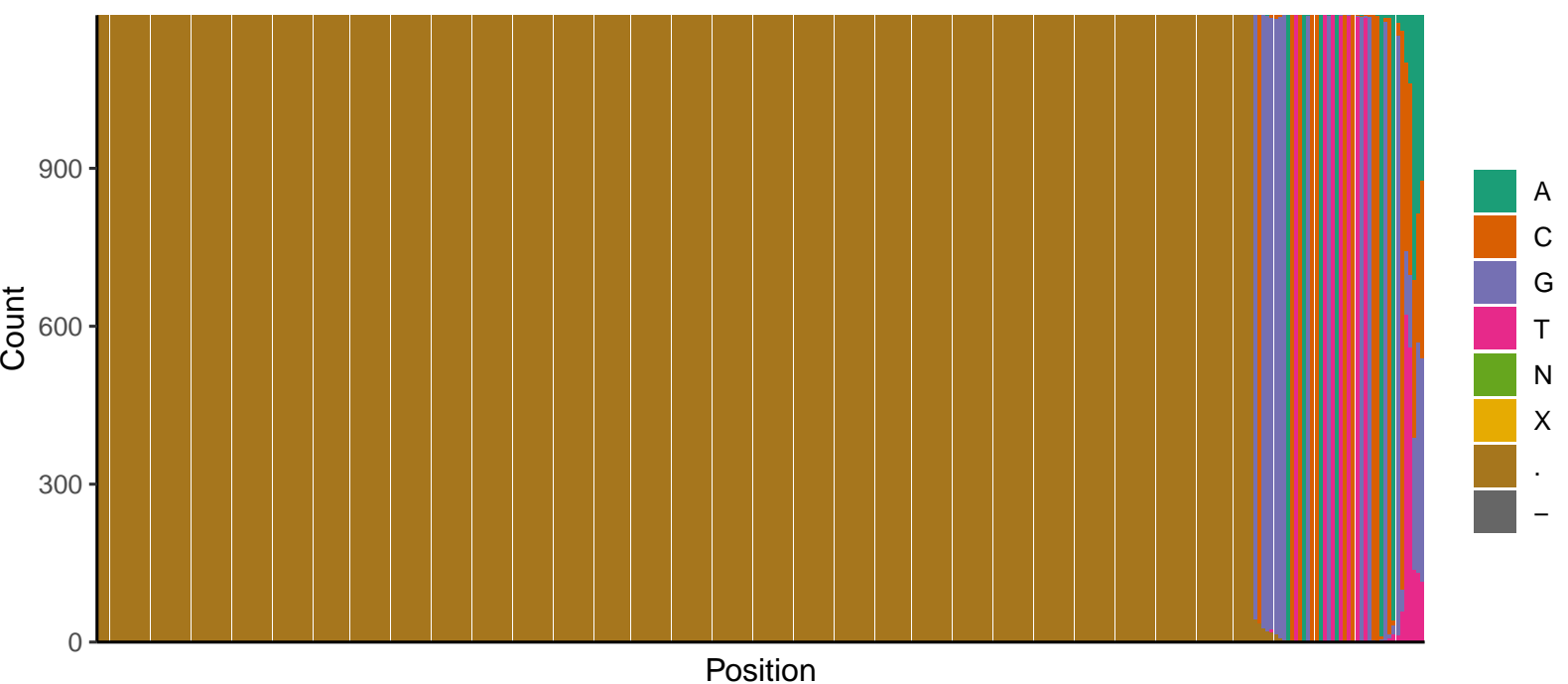
Gene TRBV7-7*ap01_C315T



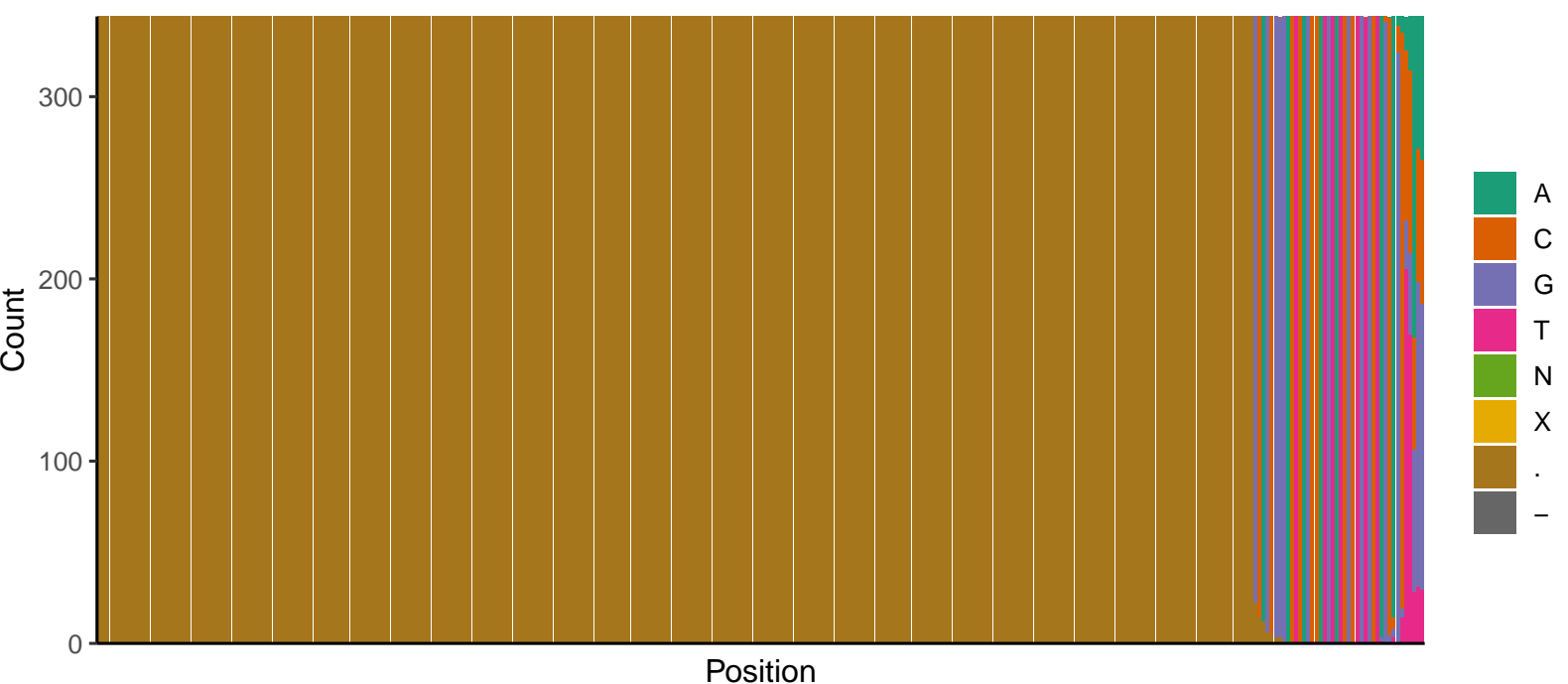
Gene TRBV7-1*ap01_T296C_C314T



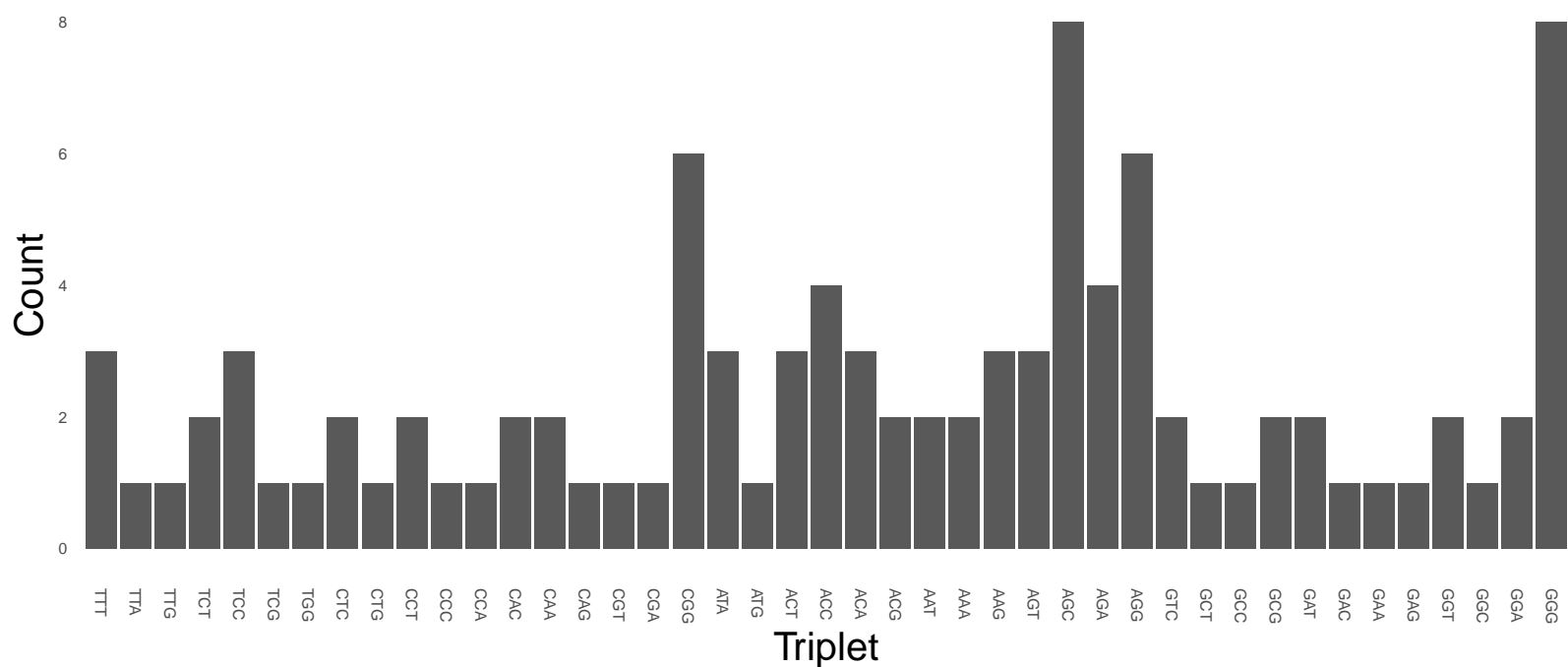
Gene TRBV7-3*ap01_G301A



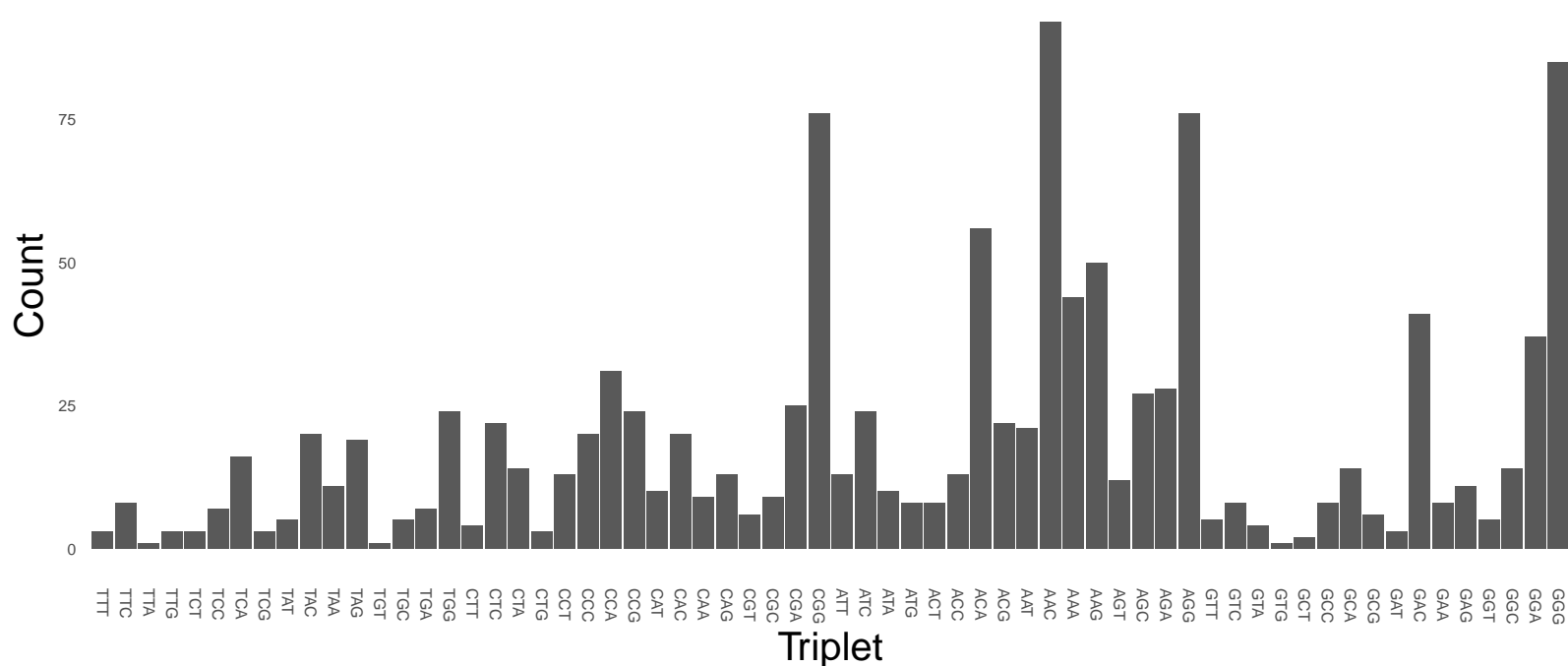
Gene TRBV7-7*ap01_C315T



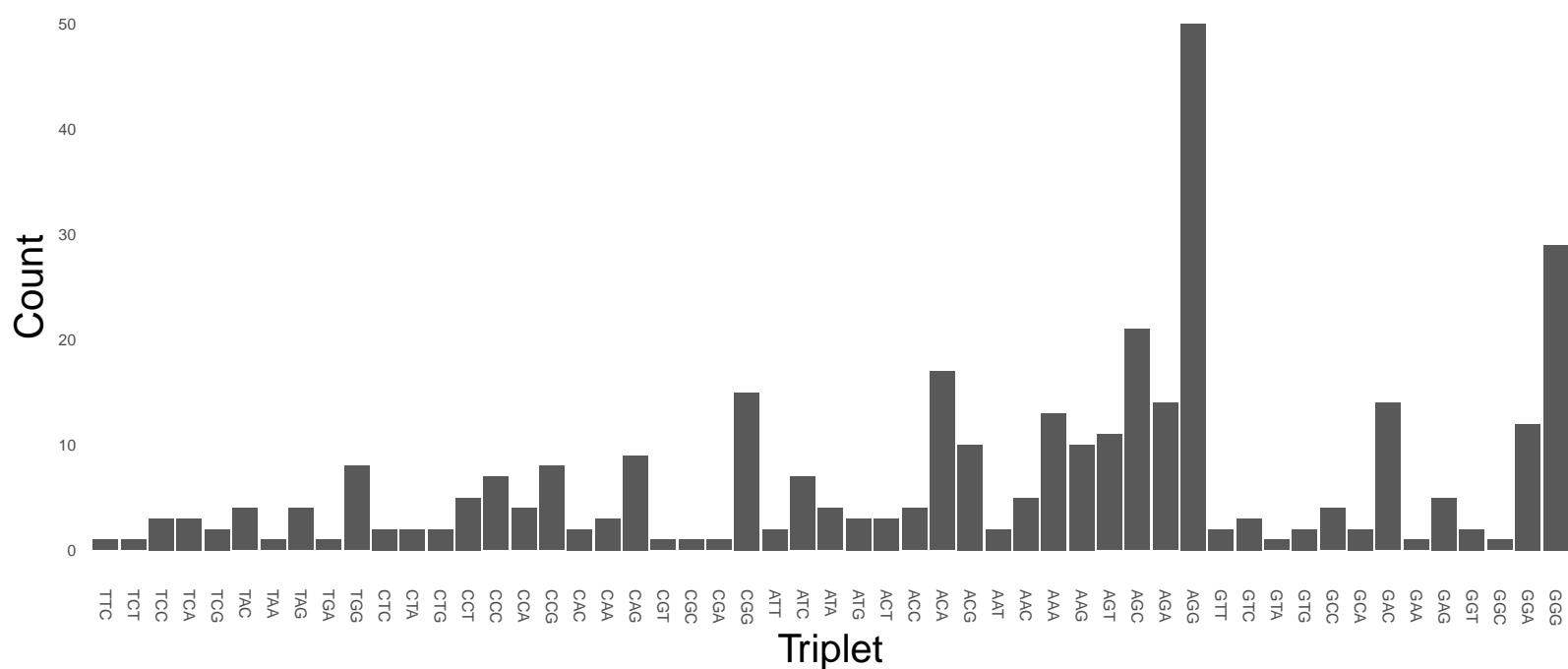
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet

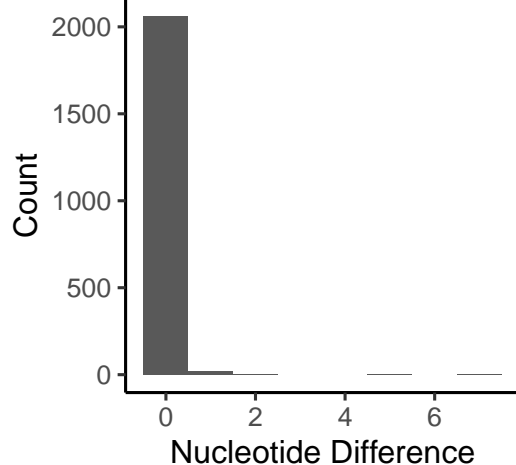


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



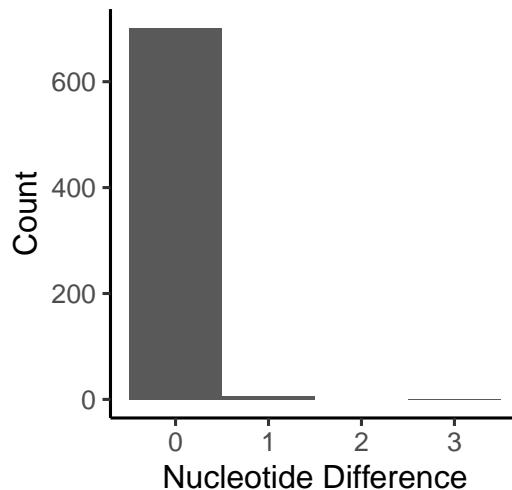
TRBV10-1*ap01

2086 sequences assigned
2060 (98.8%) exact matches, in which:
2033 unique CDR3
13 unique J



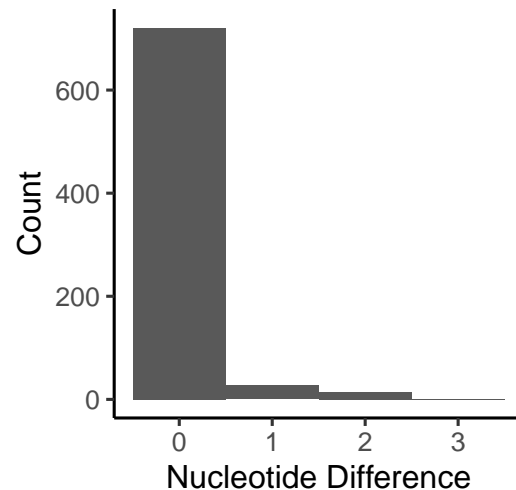
TRBV10-2*ap01

710 sequences assigned
702 (98.9%) exact matches, in which:
691 unique CDR3
13 unique J



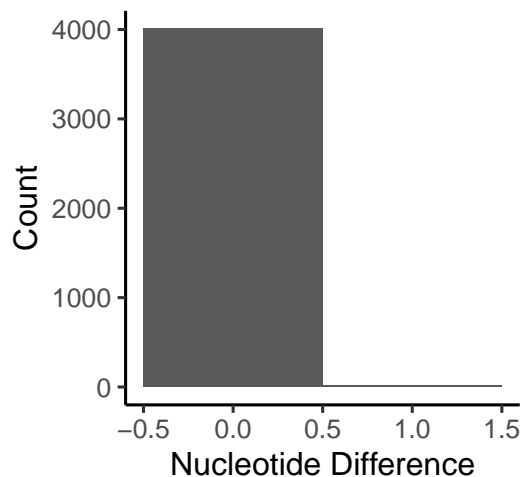
TRBV13*ap01

764 sequences assigned
721 (94.4%) exact matches, in which:
699 unique CDR3
13 unique J



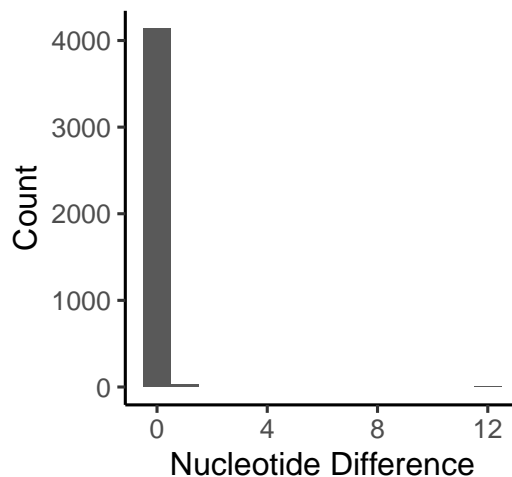
TRBV20-1*ap01

4027 sequences assigned
4009 (99.6%) exact matches, in which:
3970 unique CDR3
13 unique J



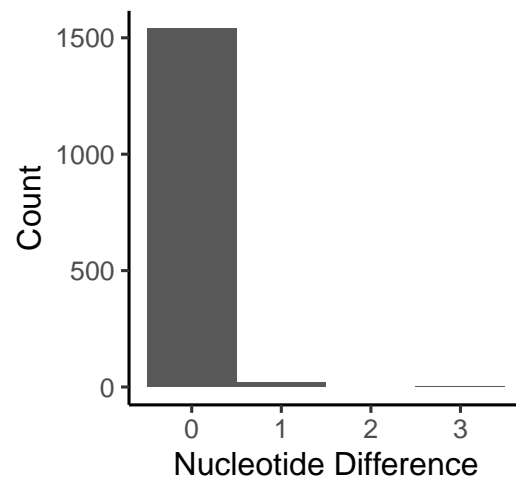
TRBV10-3*ap01

4168 sequences assigned
4136 (99.2%) exact matches, in which:
4093 unique CDR3
13 unique J



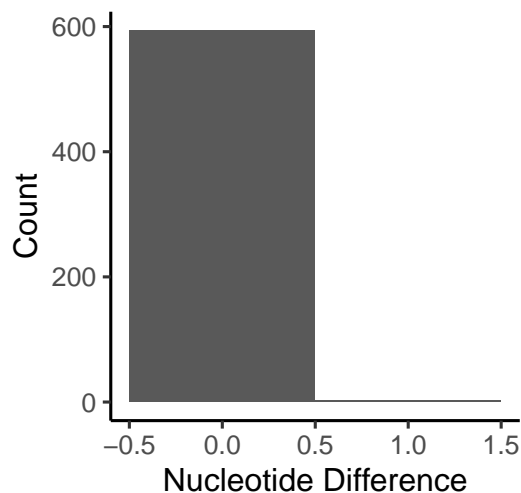
TRBV14*ap01

1559 sequences assigned
1539 (98.7%) exact matches, in which:
1522 unique CDR3
13 unique J



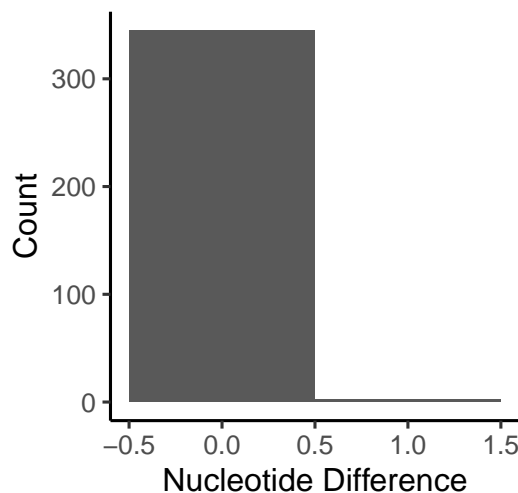
TRBV20-1*ap02

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



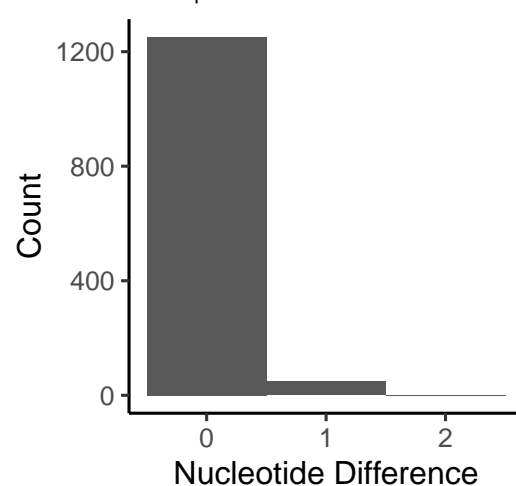
TRBV1*ap01

347 sequences assigned
345 (99.4%) exact matches, in which:
337 unique CDR3
13 unique J



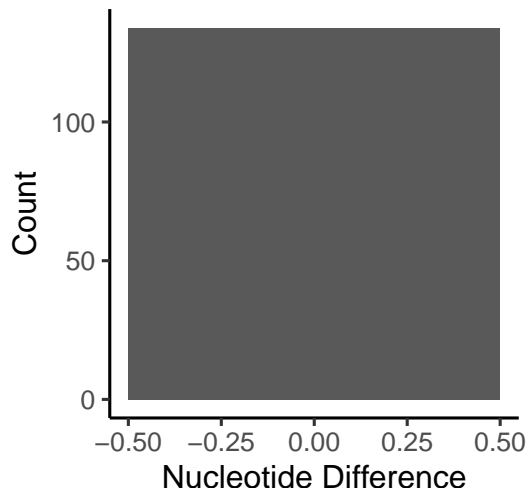
TRBV15*ap02

1301 sequences assigned
1251 (96.2%) exact matches, in which:
1234 unique CDR3
13 unique J



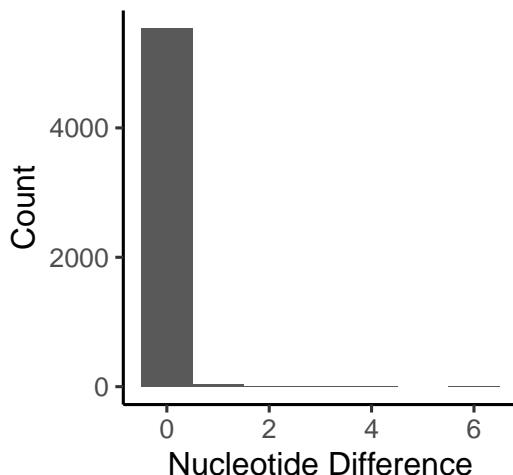
TRBV16*ap01

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



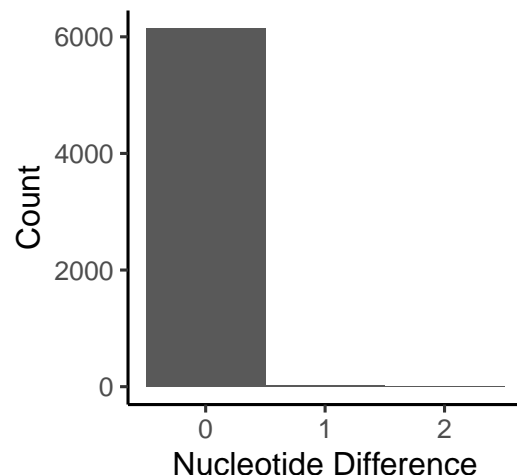
TRBV2*ap01

5578 sequences assigned
5538 (99.3%) exact matches, in which:
5485 unique CDR3
13 unique J



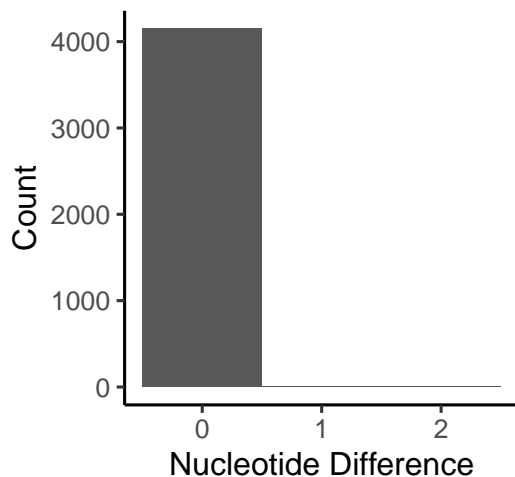
TRBV28*ap01

6176 sequences assigned
6144 (99.5%) exact matches, in which:
6095 unique CDR3
13 unique J



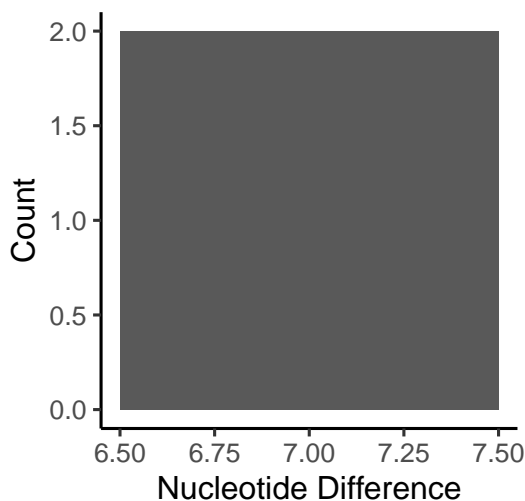
TRBV18*ap01

4161 sequences assigned
4149 (99.7%) exact matches, in which:
4128 unique CDR3
13 unique J



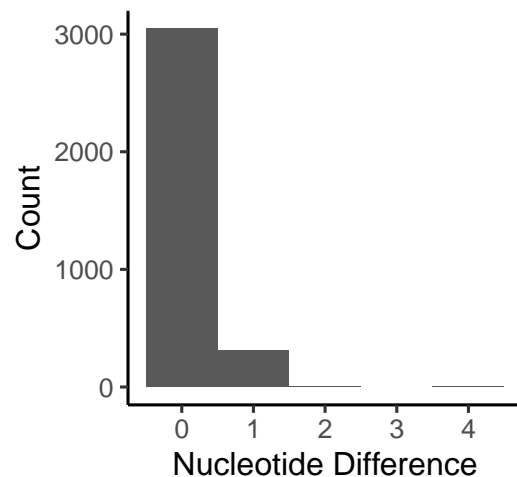
TRBV26*ap01

2 sequences assigned
No exact matches.



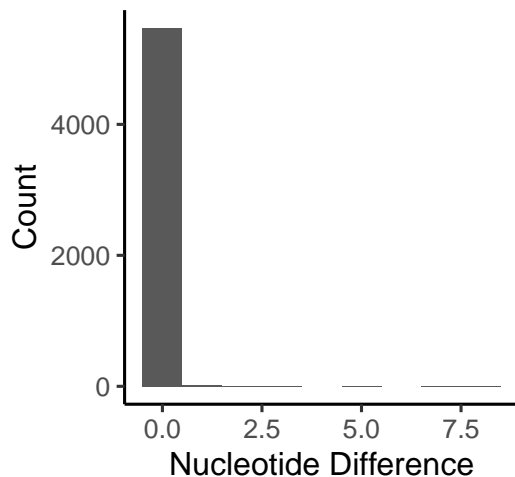
TRBV30*ap01

3359 sequences assigned
3046 (90.7%) exact matches, in which:
2988 unique CDR3
13 unique J



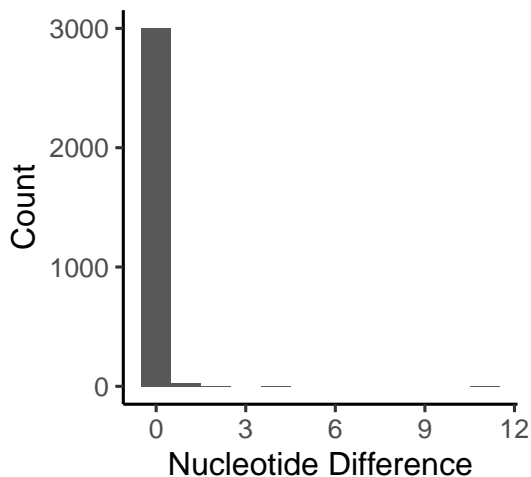
TRBV19*ap01

5501 sequences assigned
5471 (99.5%) exact matches, in which:
5446 unique CDR3
13 unique J



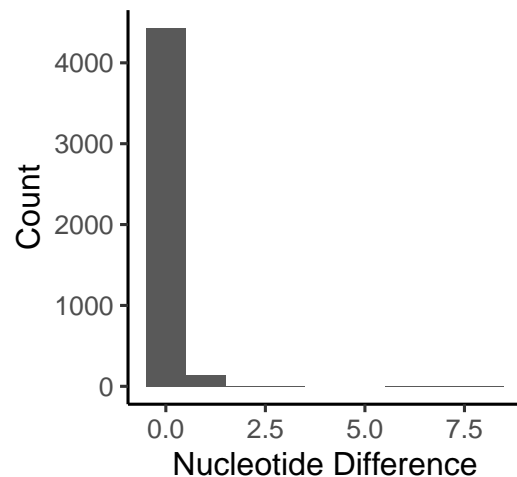
TRBV27*ap01

3034 sequences assigned
3003 (99%) exact matches, in which:
2973 unique CDR3
13 unique J



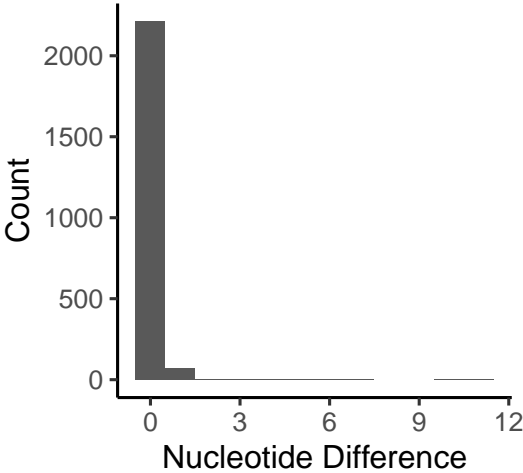
TRBV9*ap01

4574 sequences assigned
4430 (96.9%) exact matches, in which:
4382 unique CDR3
13 unique J



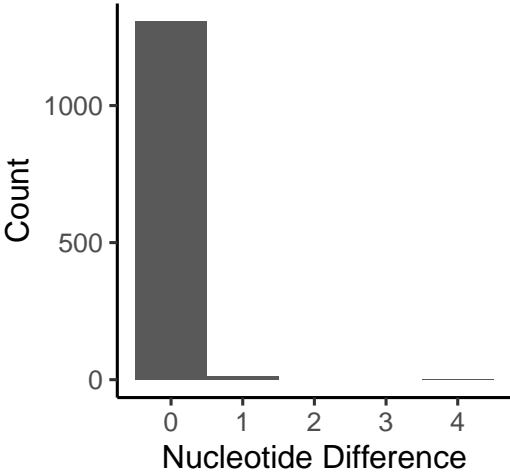
TRBV21-1*ap01

2298 sequences assigned
2212 (96.3%) exact matches, in which:
2194 unique CDR3
13 unique J



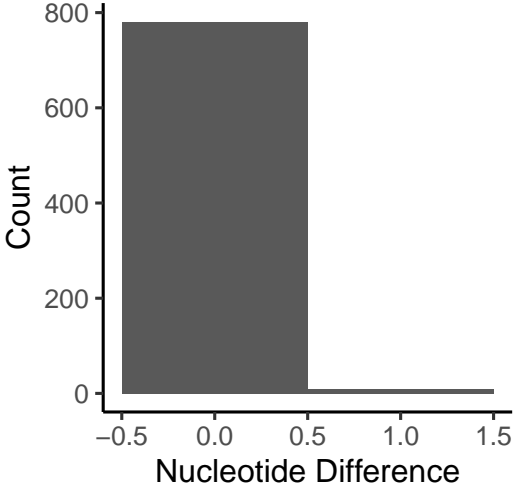
TRBV11-3*ap01

1320 sequences assigned
1307 (99%) exact matches, in which:
1295 unique CDR3
13 unique J



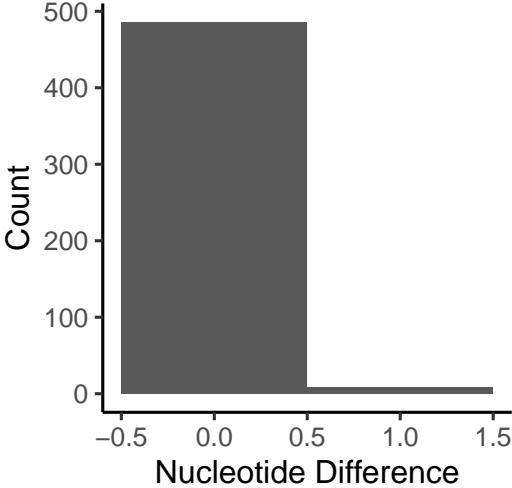
TRBV12-5*ap01

790 sequences assigned
781 (98.9%) exact matches, in which:
776 unique CDR3
13 unique J



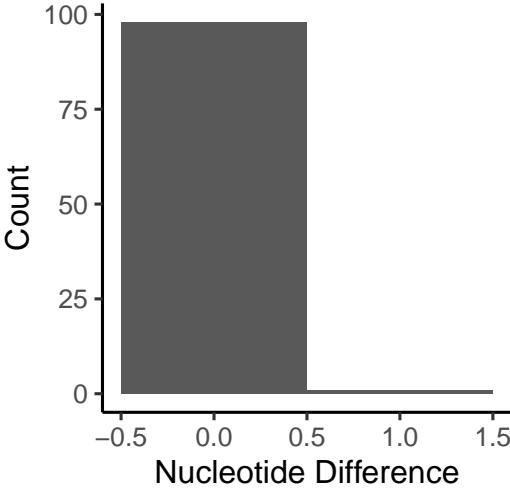
TRBV11-1*ap01

495 sequences assigned
486 (98.2%) exact matches, in which:
476 unique CDR3
13 unique J



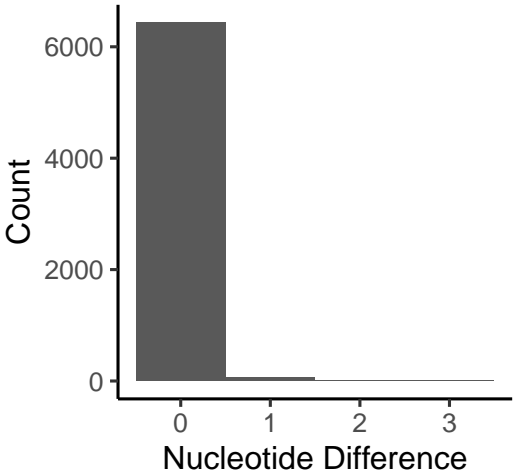
TRBV12-1*ap01

99 sequences assigned
98 (99%) exact matches, in which:
97 unique CDR3
11 unique J



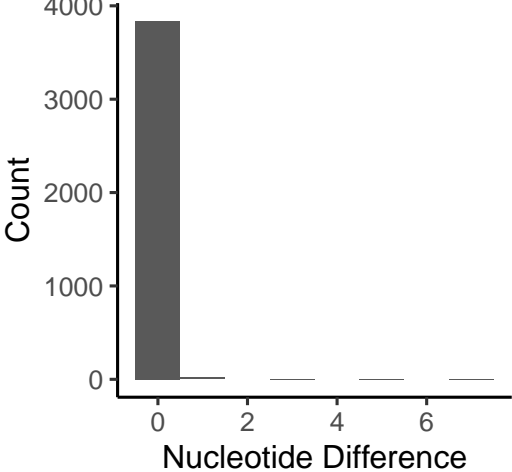
TRBV12-34*ap01

6504 sequences assigned
6432 (98.9%) exact matches, in which:
6387 unique CDR3
13 unique J



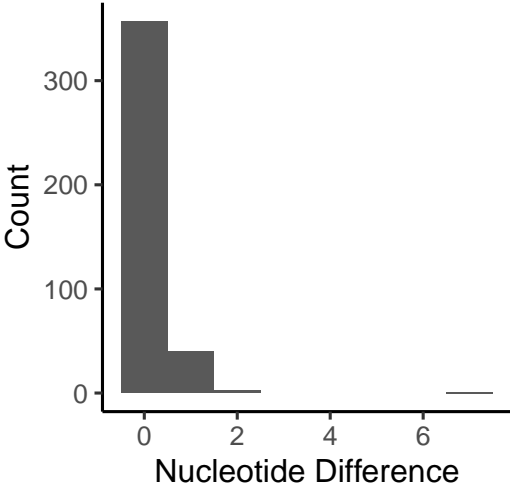
TRBV11-2*ap01

3860 sequences assigned
3837 (99.4%) exact matches, in which:
3794 unique CDR3
13 unique J



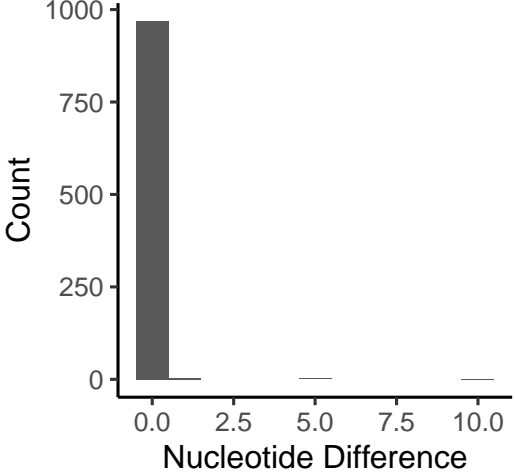
TRBV12-2*ap01

400 sequences assigned
357 (89.2%) exact matches, in which:
354 unique CDR3
13 unique J



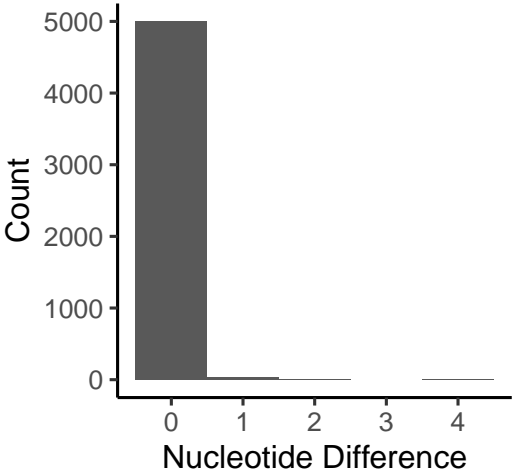
TRBV23-1*ap01

976 sequences assigned
969 (99.3%) exact matches, in which:
963 unique CDR3
13 unique J



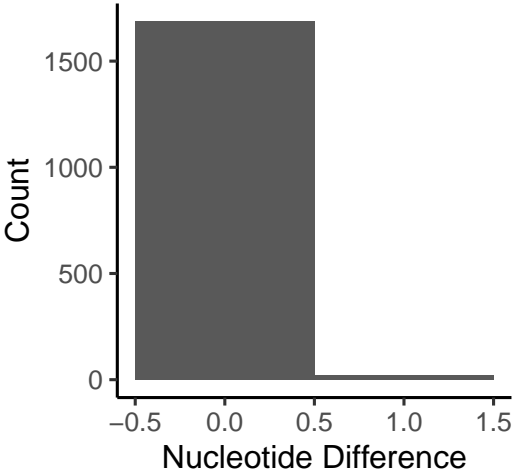
TRBV3-12*ap01

5042 sequences assigned
5000 (99.2%) exact matches, in which:
4974 unique CDR3
13 unique J



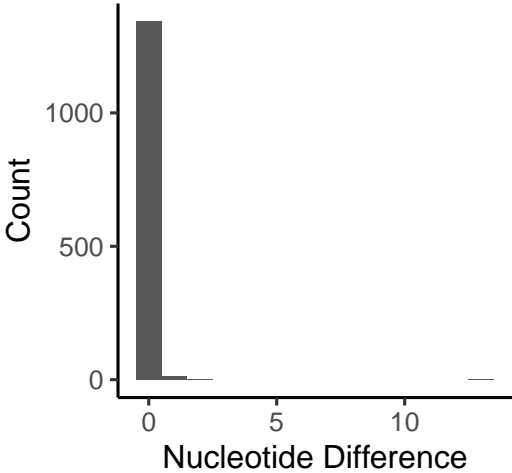
TRBV4-2*ap01

1708 sequences assigned
1687 (98.8%) exact matches, in which:
1663 unique CDR3
13 unique J



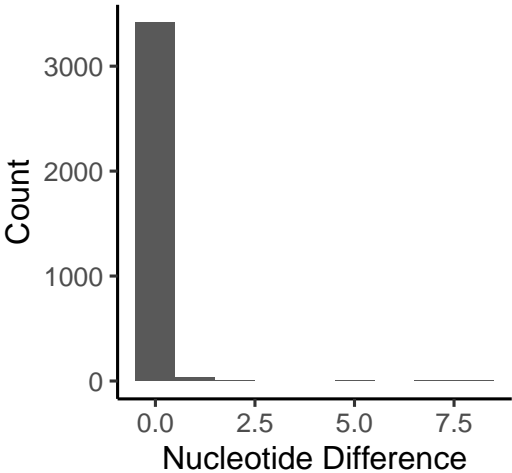
TRBV25-1*ap01

1360 sequences assigned
1343 (98.8%) exact matches, in which:
1324 unique CDR3
13 unique J



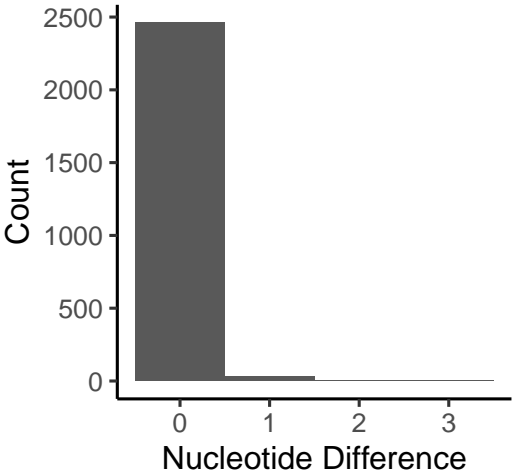
TRBV24-1*ap01

3458 sequences assigned
3414 (98.7%) exact matches, in which:
3357 unique CDR3
13 unique J



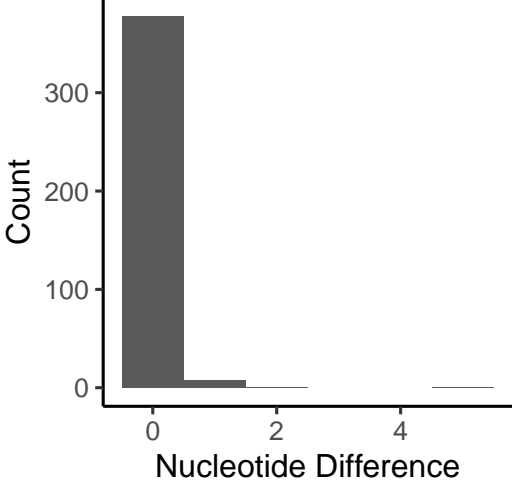
TRBV4-3*ap01

2499 sequences assigned
2461 (98.5%) exact matches, in which:
2430 unique CDR3
13 unique J



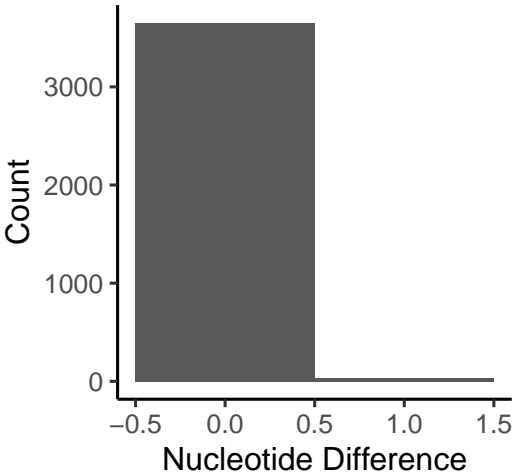
TRBV5-3*ap01

388 sequences assigned
378 (97.4%) exact matches, in which:
377 unique CDR3
13 unique J



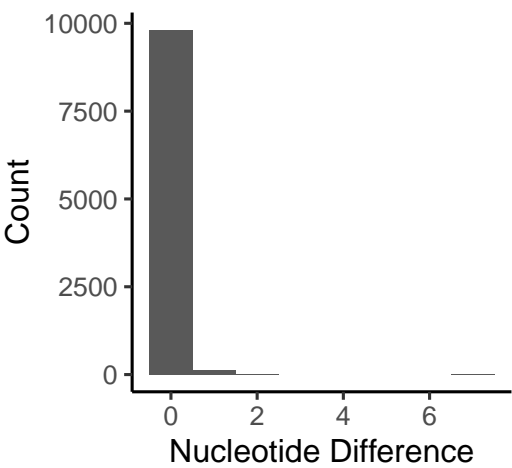
TRBV4-1*ap01

3682 sequences assigned
3650 (99.1%) exact matches, in which:
3592 unique CDR3
13 unique J



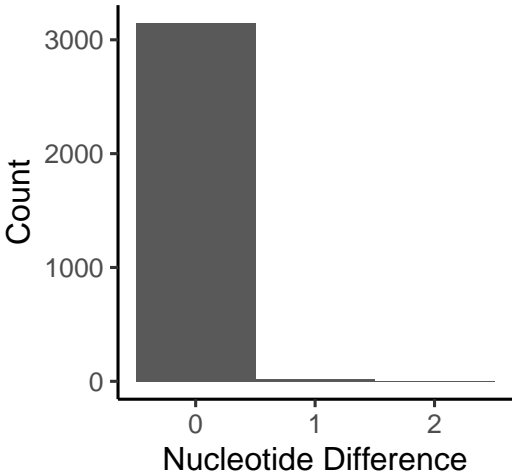
TRBV5-1*ap01

9935 sequences assigned
9816 (98.8%) exact matches, in which:
9716 unique CDR3
13 unique J



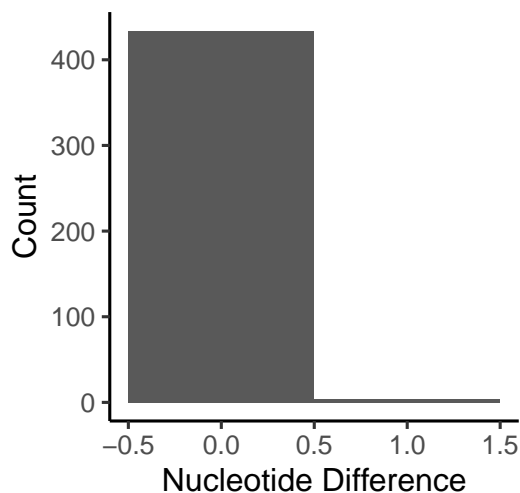
TRBV5-4*ap01

3168 sequences assigned
3147 (99.3%) exact matches, in which:
3112 unique CDR3
13 unique J



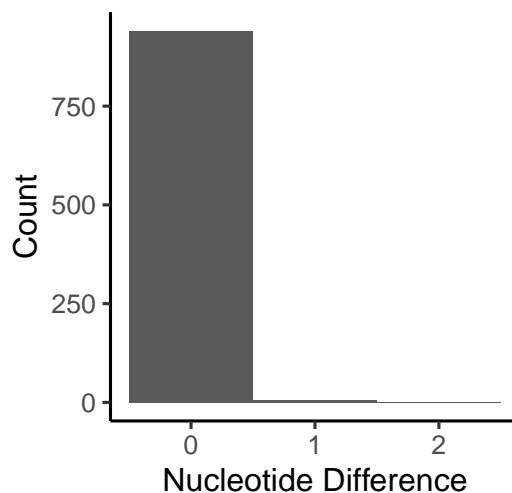
TRBV5-5*ap01

438 sequences assigned
434 (99.1%) exact matches, in which:
432 unique CDR3
13 unique J



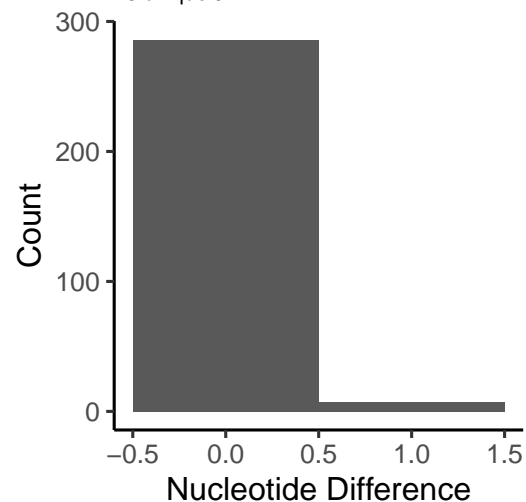
TRBV5-8*ap01

949 sequences assigned
941 (99.2%) exact matches, in which:
934 unique CDR3
13 unique J



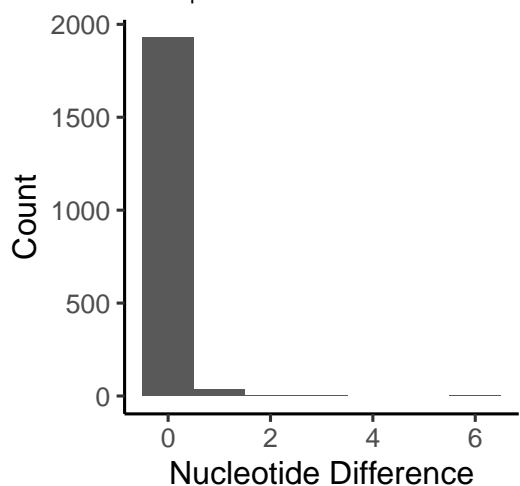
TRBV6-7*ap01

293 sequences assigned
286 (97.6%) exact matches, in which:
276 unique CDR3
13 unique J



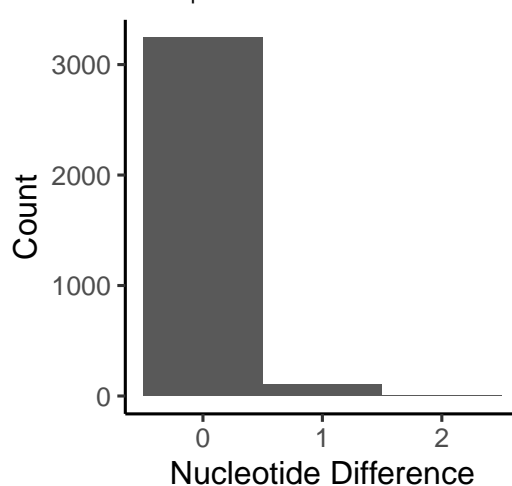
TRBV5-6*ap01

1968 sequences assigned
1928 (98%) exact matches, in which:
1904 unique CDR3
13 unique J



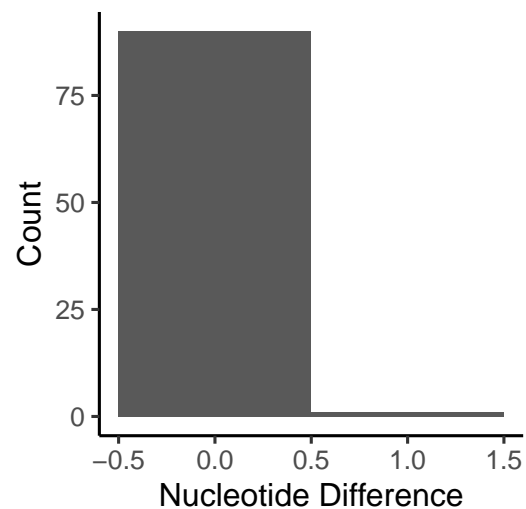
TRBV6-1*ap01

3348 sequences assigned
3243 (96.9%) exact matches, in which:
3192 unique CDR3
13 unique J



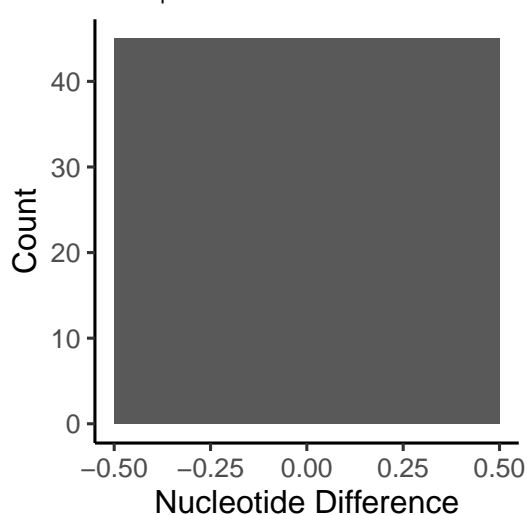
TRBV6-8*ap01

91 sequences assigned
90 (98.9%) exact matches, in which:
86 unique CDR3
12 unique J



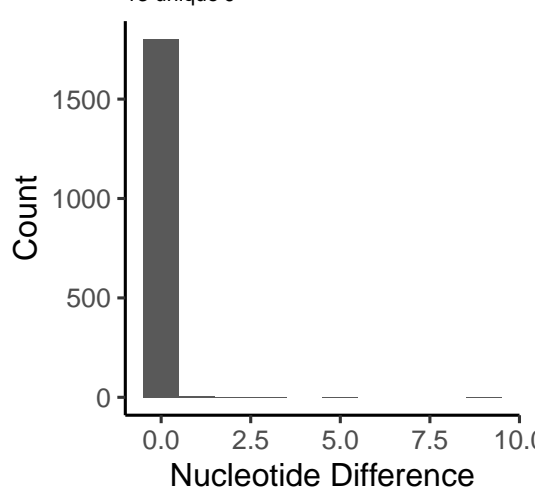
TRBV5-7*ap01

45 sequences assigned
45 (100%) exact matches, in which:
45 unique CDR3
10 unique J



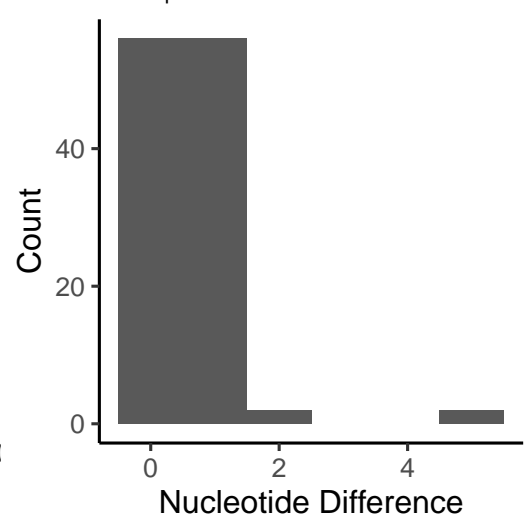
TRBV6-4*ap01

1816 sequences assigned
1802 (99.2%) exact matches, in which:
1792 unique CDR3
13 unique J



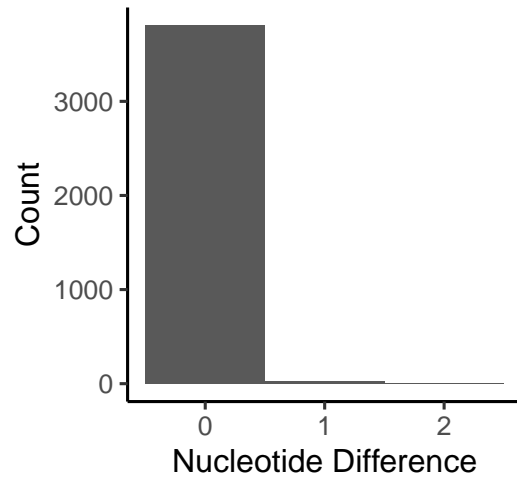
TRBV6-9*ap01

116 sequences assigned
56 (48.3%) exact matches, in which:
55 unique CDR3
11 unique J



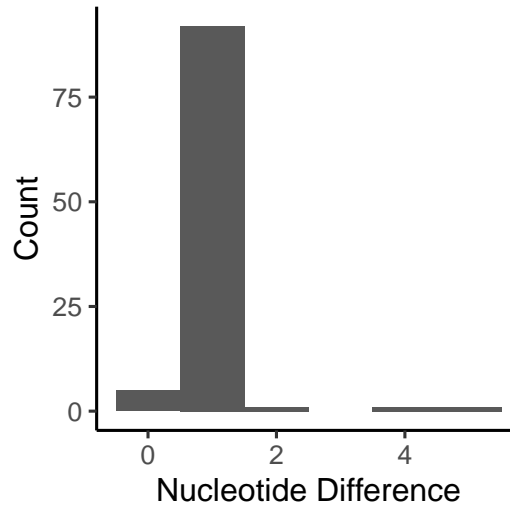
TRBV6-23*ap01

3840 sequences assigned
3807 (99.1%) exact matches, in which:
3750 unique CDR3
13 unique J



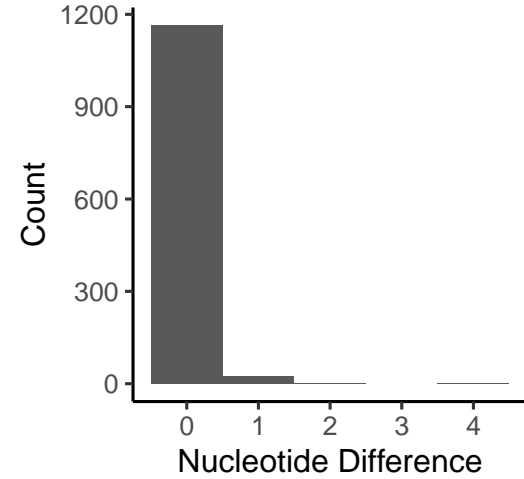
TRBV7-1*ap01_T296C_C

100 sequences assigned
5 (5%) exact matches, in which:
5 unique CDR3
4 unique J



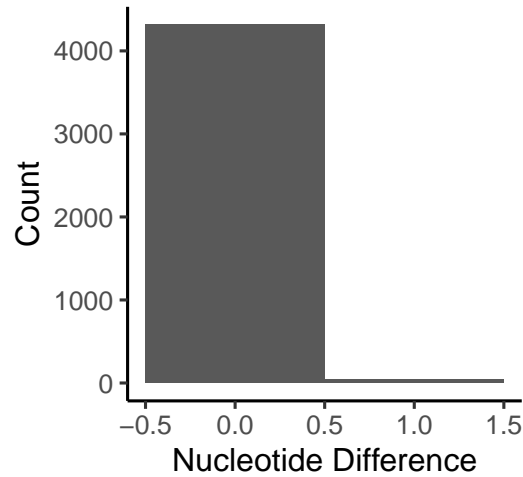
TRBV7-3*ap01_G301A

1191 sequences assigned
1164 (97.7%) exact matches, in which:
1152 unique CDR3
13 unique J



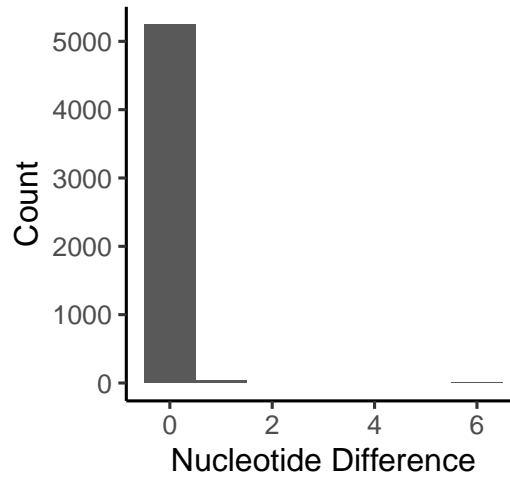
TRBV6-56*ap01

4352 sequences assigned
4315 (99.1%) exact matches, in which:
4219 unique CDR3
13 unique J



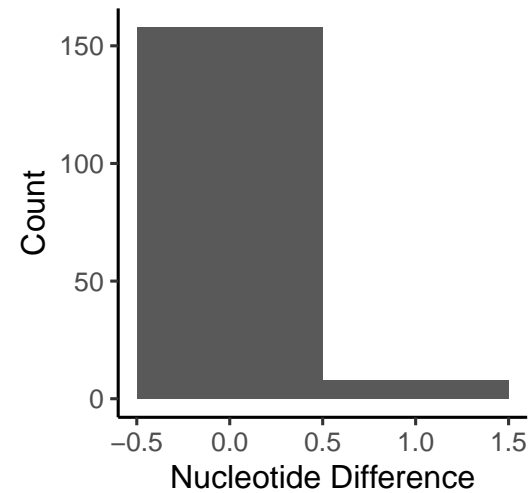
TRBV7-2*ap01

5278 sequences assigned
5243 (99.3%) exact matches, in which:
5186 unique CDR3
13 unique J



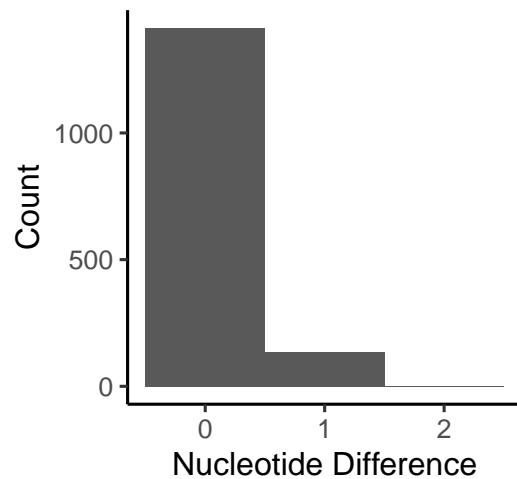
TRBV7-4*ap01

166 sequences assigned
158 (95.2%) exact matches, in which:
154 unique CDR3
13 unique J



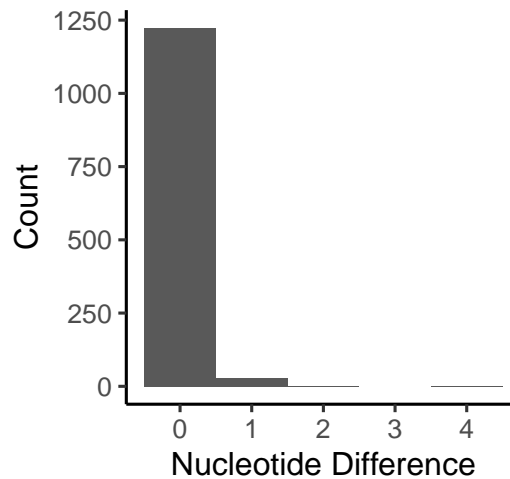
TRBV6-56*ap02

1550 sequences assigned
1414 (91.2%) exact matches, in which:
1384 unique CDR3
13 unique J



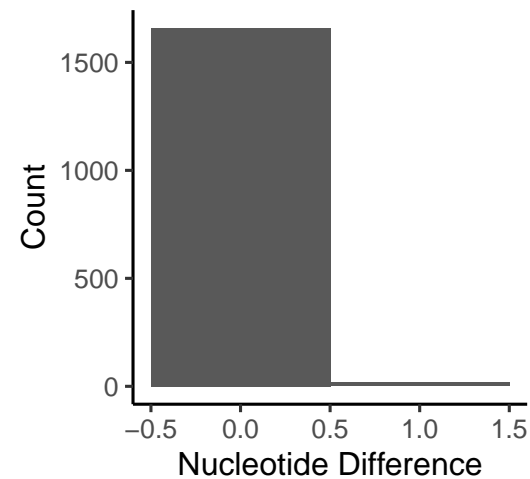
TRBV7-3*ap01

1255 sequences assigned
1223 (97.5%) exact matches, in which:
1200 unique CDR3
13 unique J



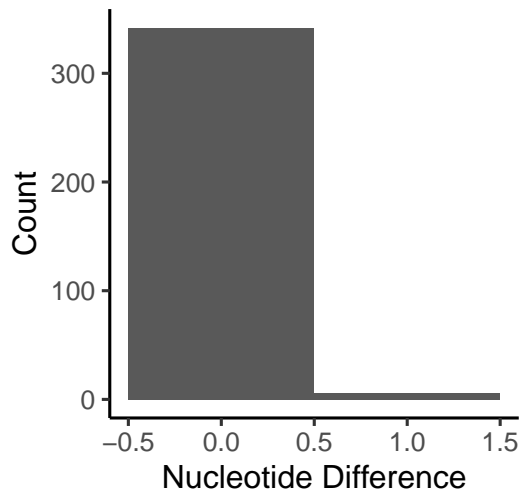
TRBV7-6*ap01

1677 sequences assigned
1659 (98.9%) exact matches, in which:
1645 unique CDR3
13 unique J



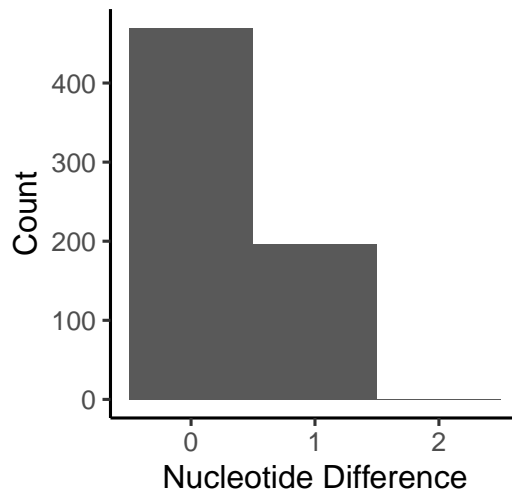
TRBV7-7*ap01

348 sequences assigned
342 (98.3%) exact matches, in which:
339 unique CDR3
13 unique J



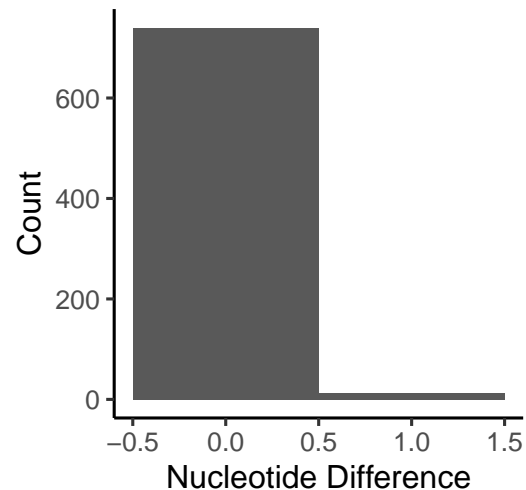
TRBV7-8*ap03

667 sequences assigned
470 (70.5%) exact matches, in which:
466 unique CDR3
13 unique J



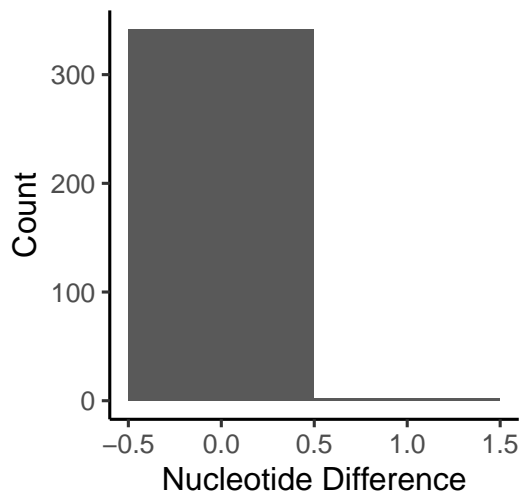
TRBV29-1*ap02

753 sequences assigned
740 (98.3%) exact matches, in which:
723 unique CDR3
13 unique J



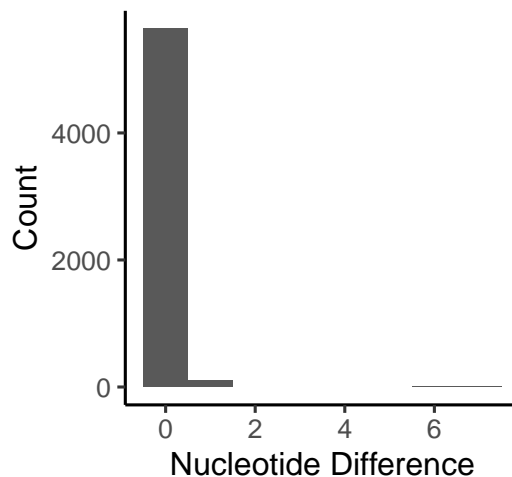
TRBV7-7*ap01_C315T

344 sequences assigned
342 (99.4%) exact matches, in which:
335 unique CDR3
13 unique J



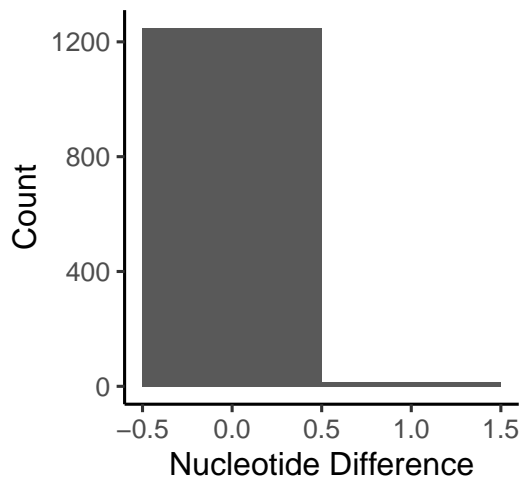
TRBV7-9*ap01

5739 sequences assigned
5641 (98.3%) exact matches, in which:
5595 unique CDR3
13 unique J



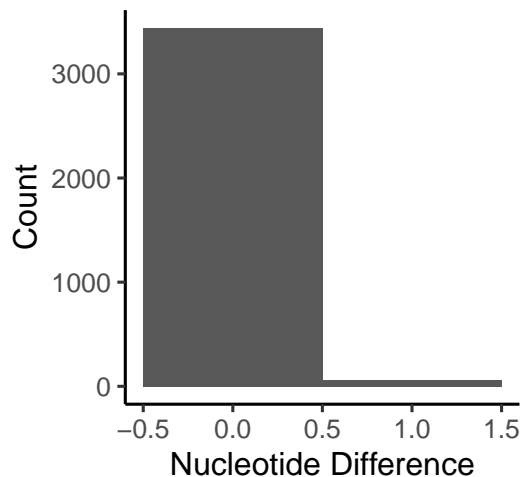
TRBV7-8*ap01

1262 sequences assigned
1248 (98.9%) exact matches, in which:
1233 unique CDR3
13 unique J

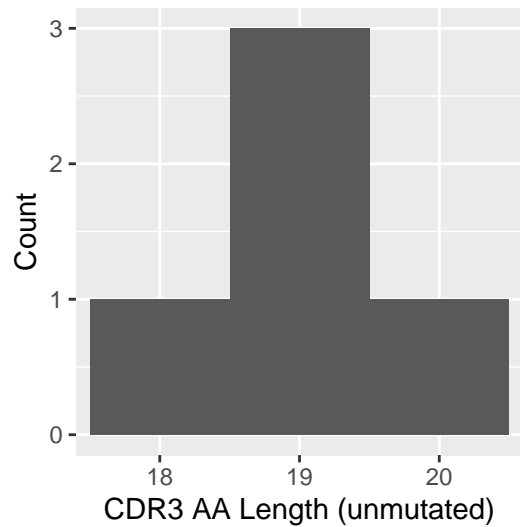


TRBV29-1*ap01

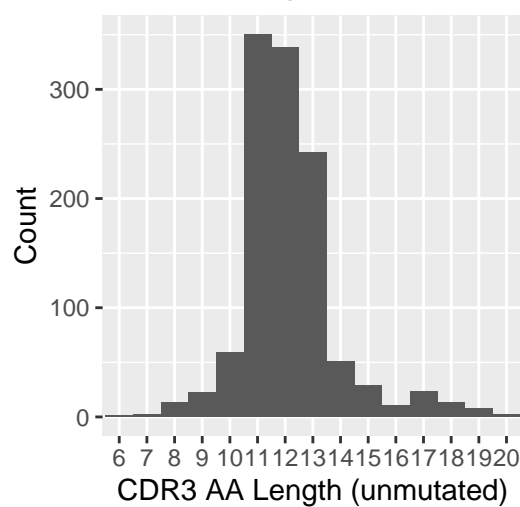
3501 sequences assigned
3440 (98.3%) exact matches, in which:
3342 unique CDR3
13 unique J



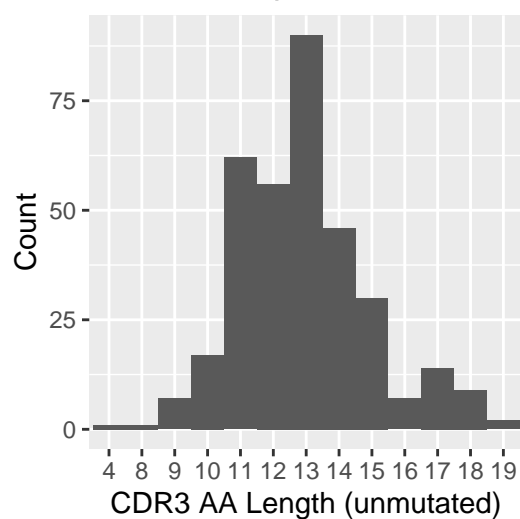
TRBV7-1*ap01_T296C_C314T



TRBV7-3*ap01_G301A



TRBV7-7*ap01_C315T





[illegible]