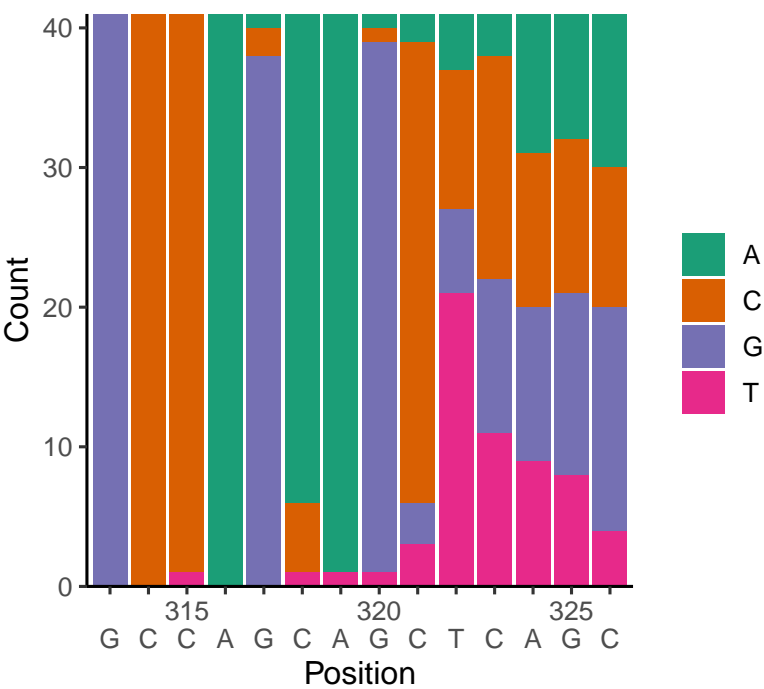
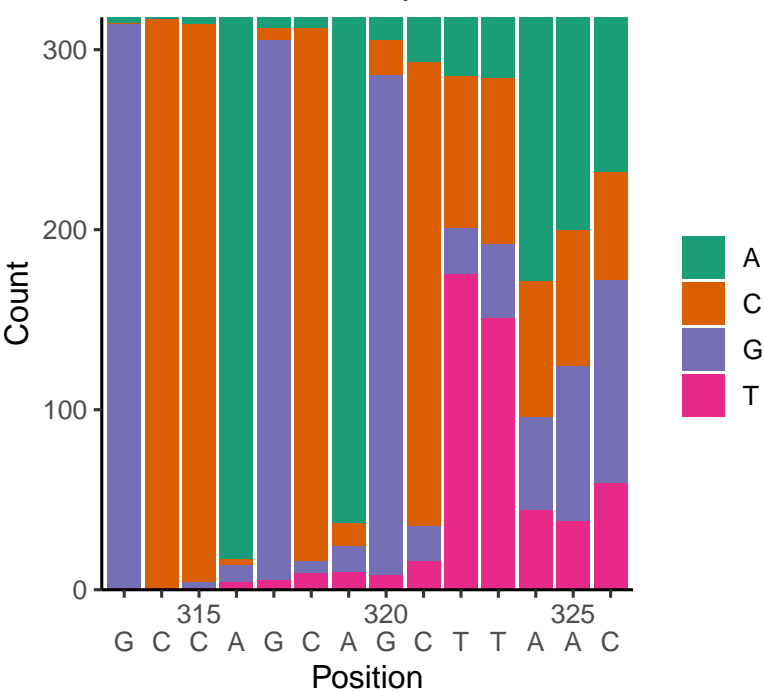


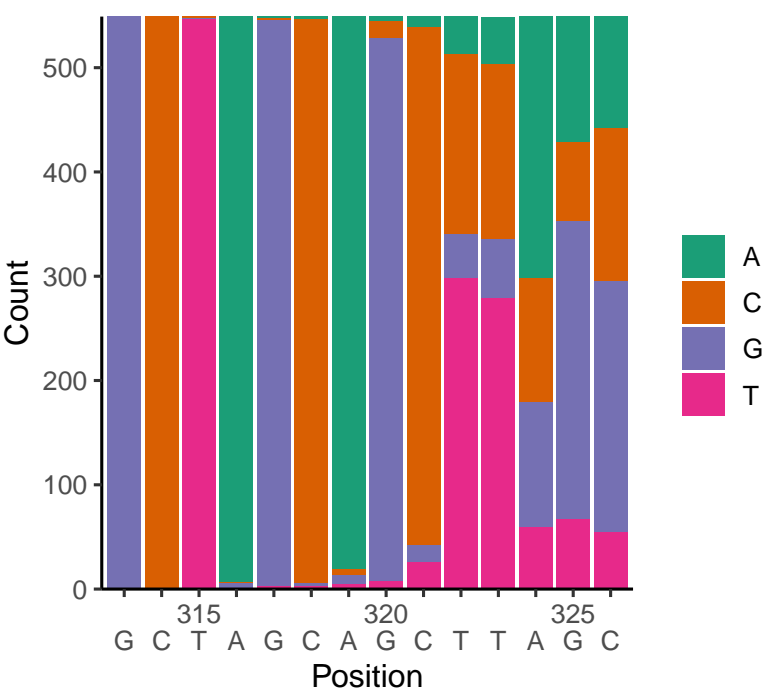
Gene TRBV7-1*ap01_T296C



Gene TRBV7-3*ap01_G292T



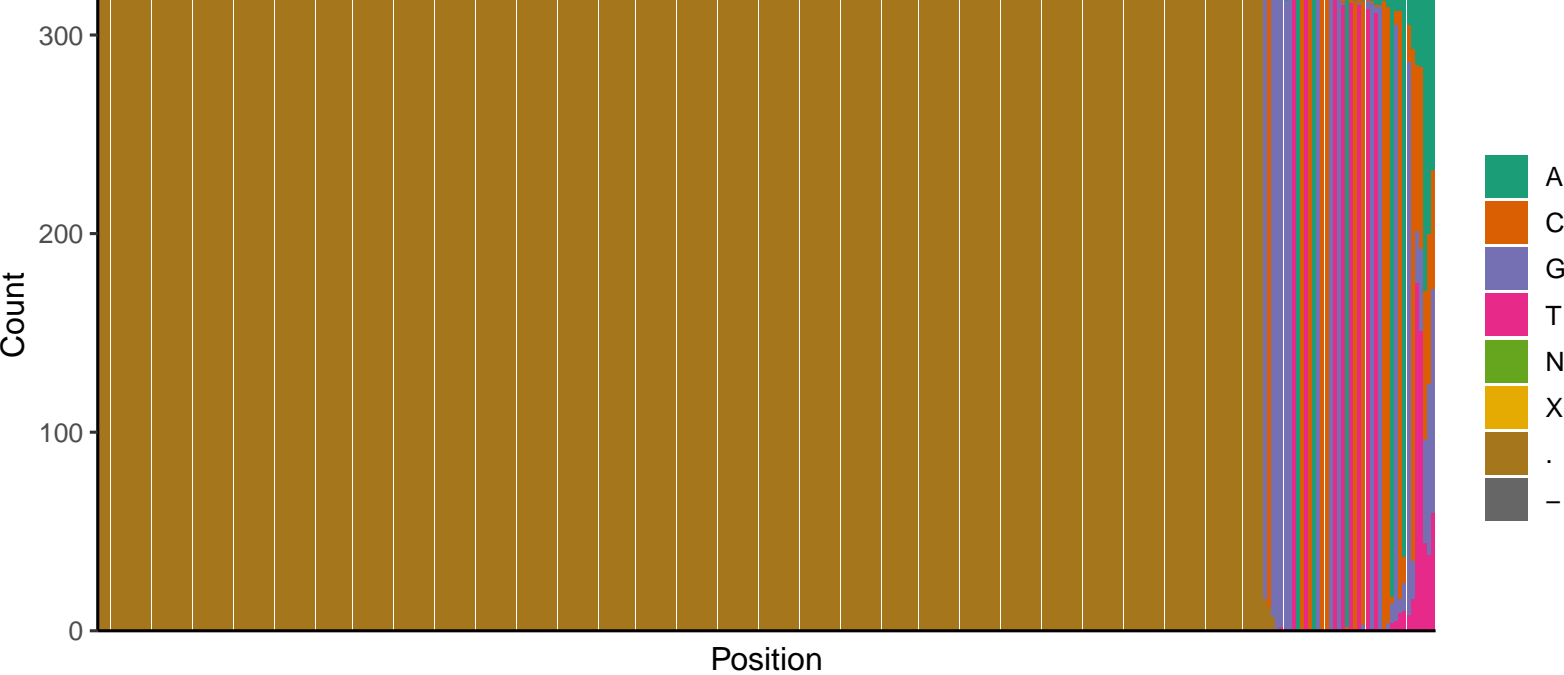
Gene TRBV7-7*ap01_C315T



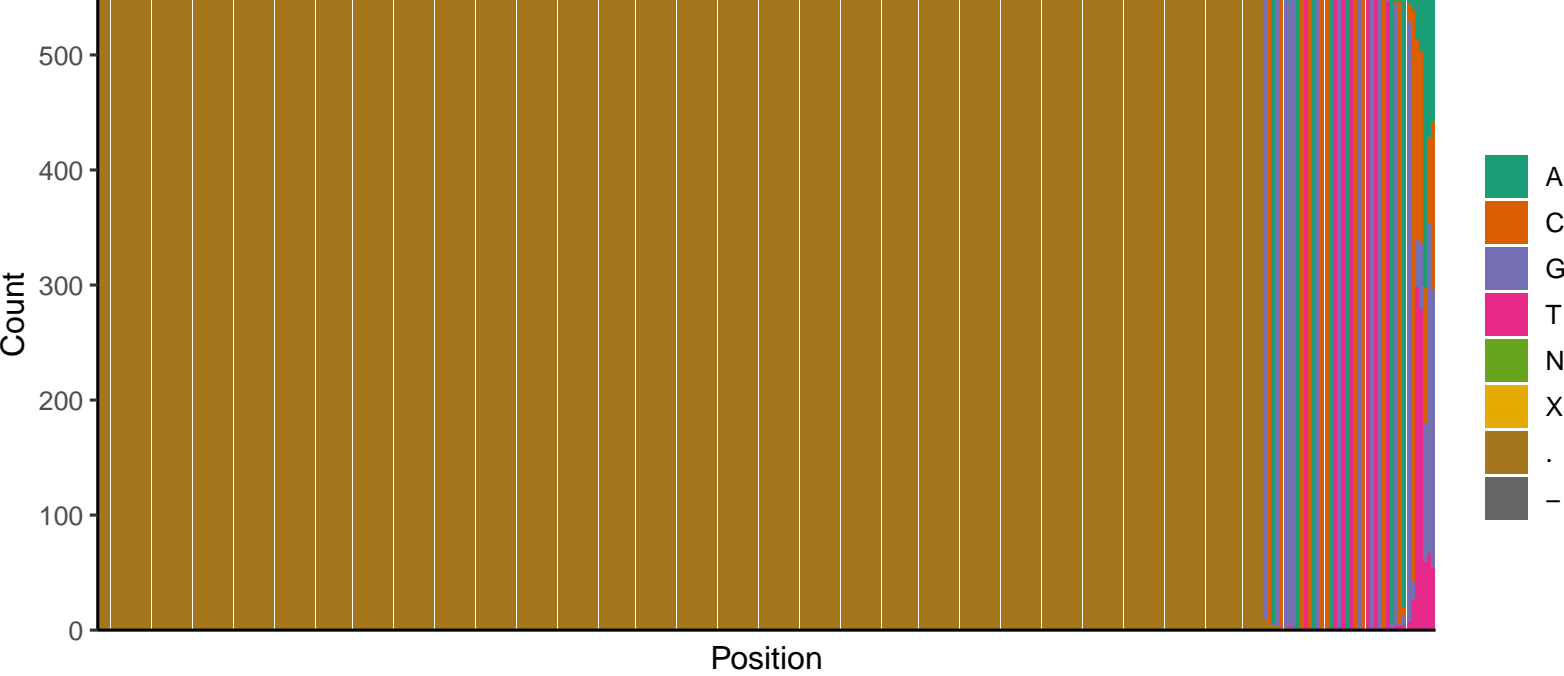
Gene TRBV7-1*ap01_T296C



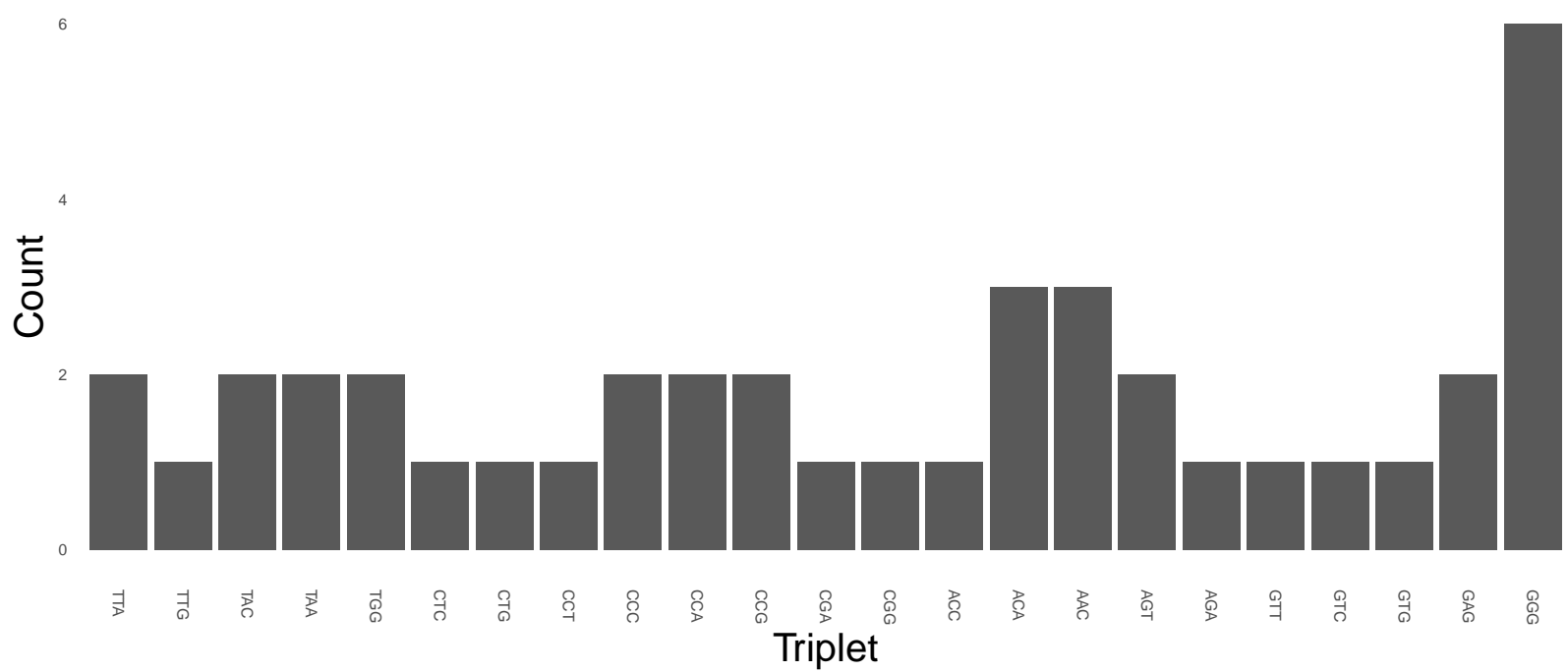
Gene TRBV7-3*ap01_G292T



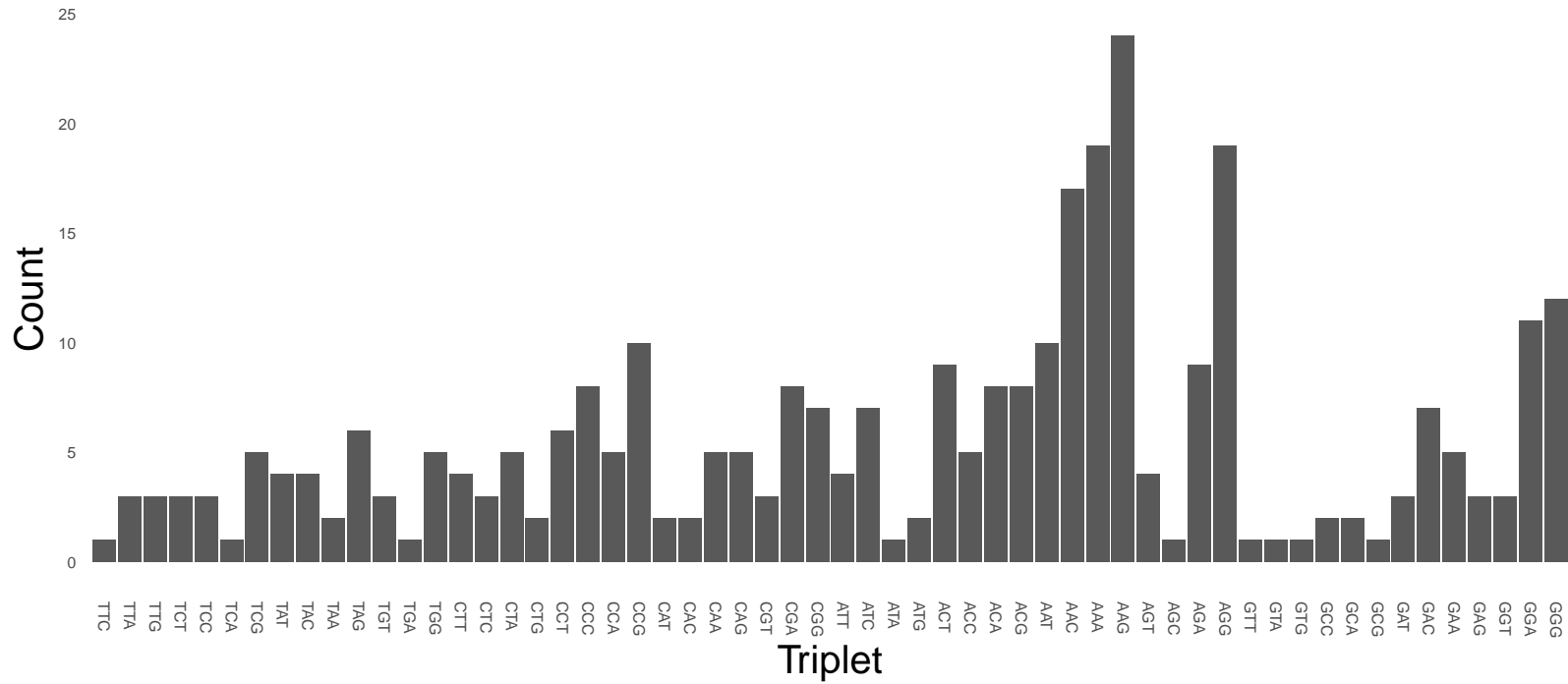
Gene TRBV7-7*ap01_C315T



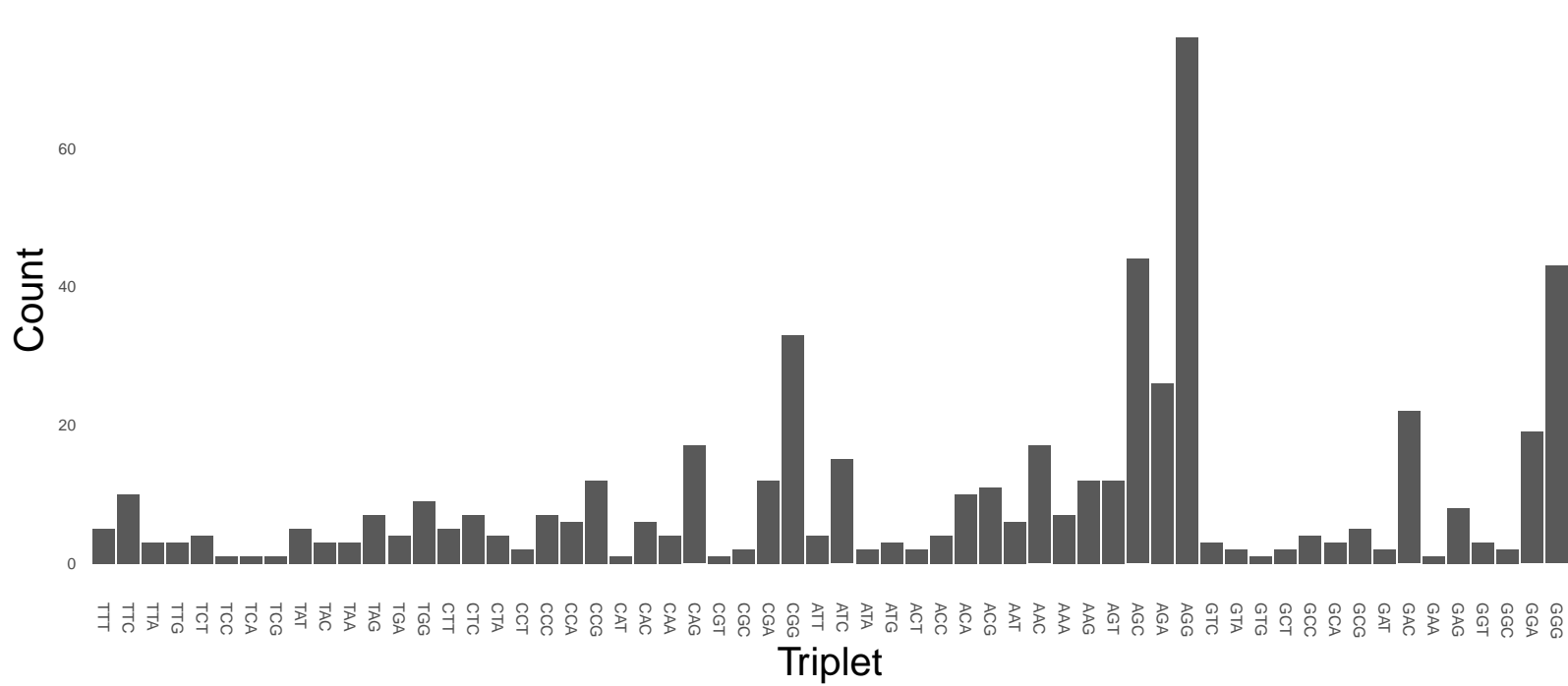
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

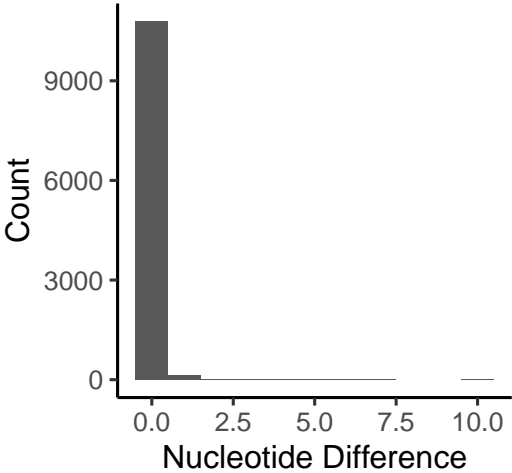


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



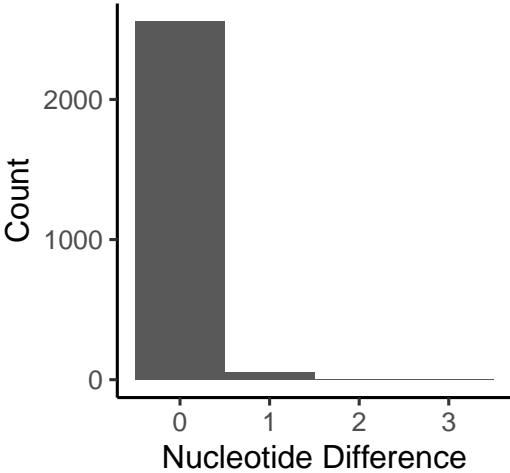
TRBV20-1*ap01

10951 sequences assigned
10789 (98.5%) exact matches, in which:
10692 unique CDR3
13 unique J



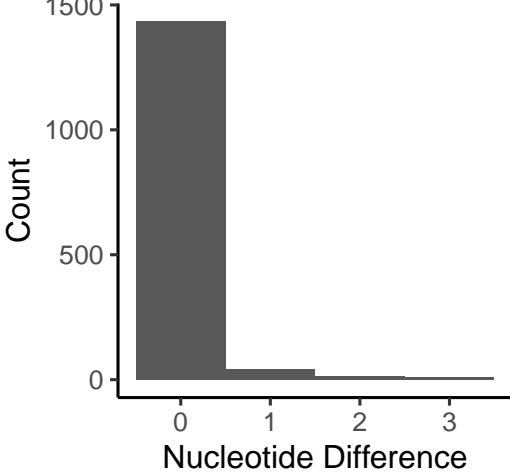
TRBV10-3*ap01

2610 sequences assigned
2557 (98%) exact matches, in which:
2521 unique CDR3
13 unique J



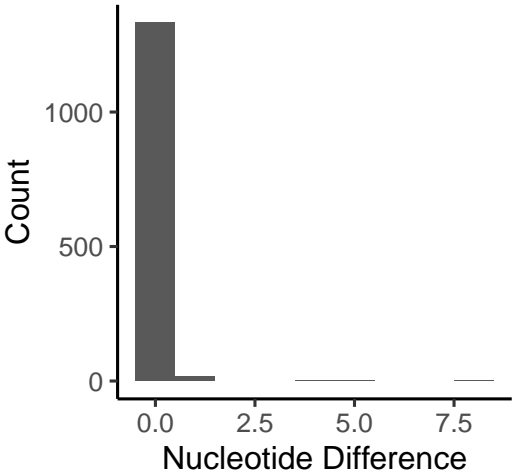
TRBV14*ap01

1499 sequences assigned
1434 (95.7%) exact matches, in which:
1422 unique CDR3
13 unique J



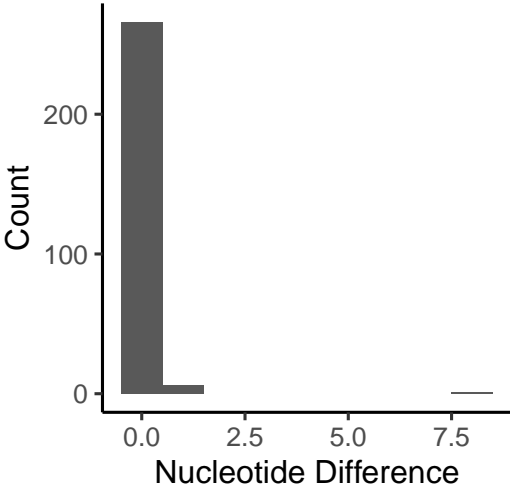
TRBV10-1*ap01

1351 sequences assigned
1332 (98.6%) exact matches, in which:
1314 unique CDR3
13 unique J



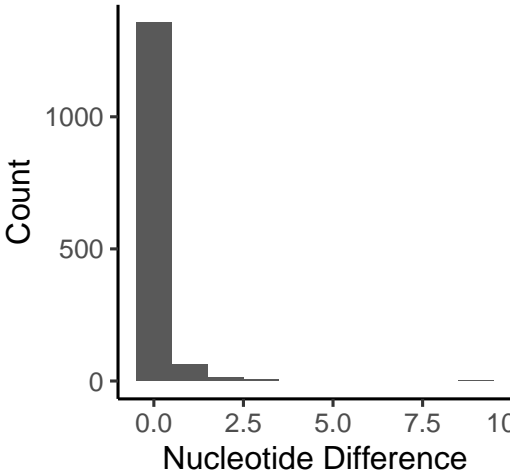
TRBV1*ap01

273 sequences assigned
266 (97.4%) exact matches, in which:
260 unique CDR3
13 unique J



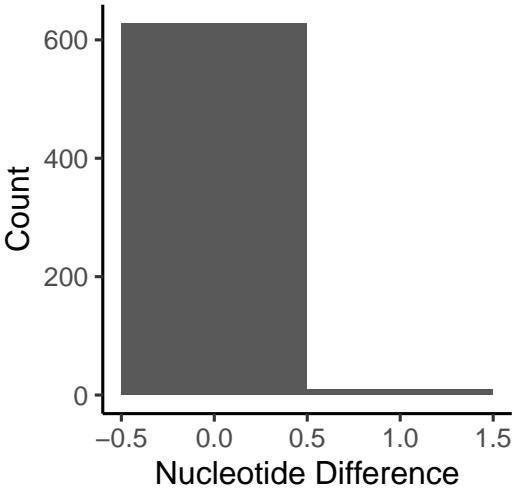
TRBV15*ap02

1438 sequences assigned
1356 (94.3%) exact matches, in which:
1339 unique CDR3
13 unique J



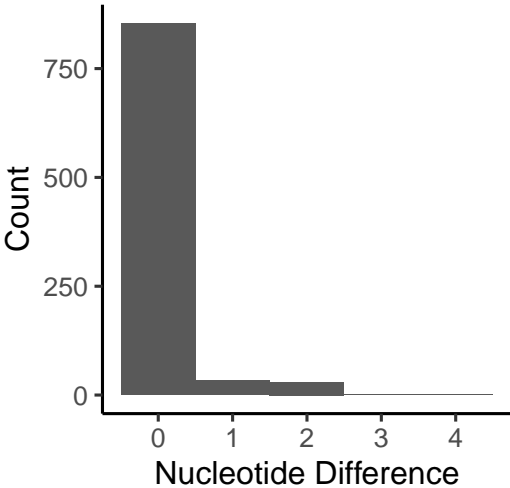
TRBV10-2*ap01

638 sequences assigned
628 (98.4%) exact matches, in which:
626 unique CDR3
13 unique J



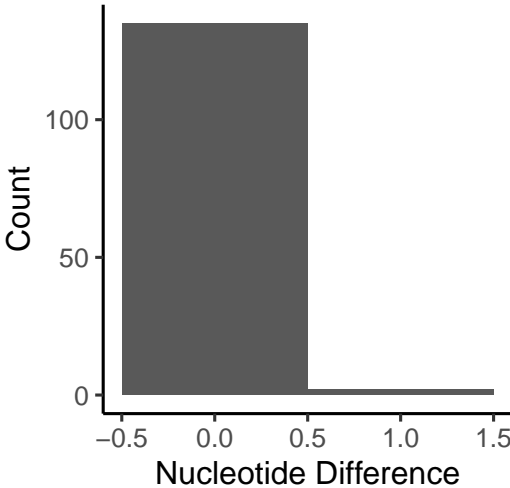
TRBV13*ap01

920 sequences assigned
854 (92.8%) exact matches, in which:
834 unique CDR3
13 unique J



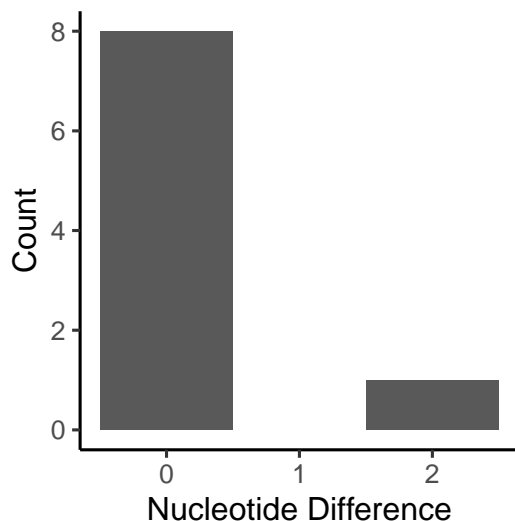
TRBV16*ap01

137 sequences assigned
135 (98.5%) exact matches, in which:
132 unique CDR3
13 unique J



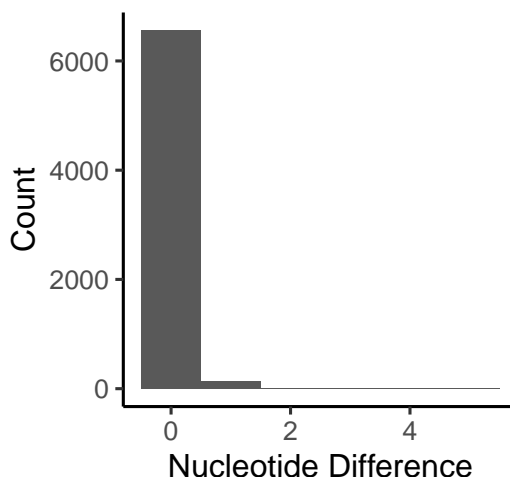
TRBV17*ap01

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
7 unique J



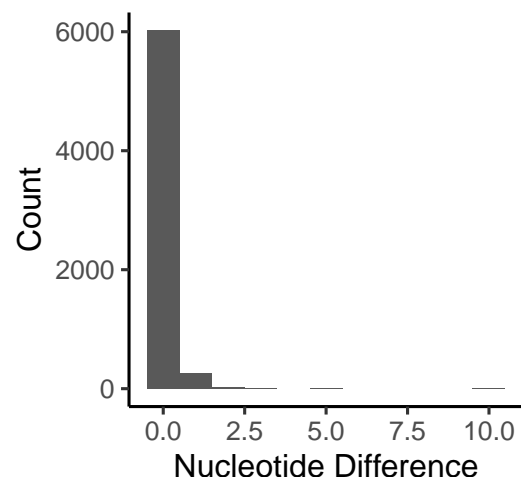
TRBV2*ap01

6716 sequences assigned
6559 (97.7%) exact matches, in which:
6465 unique CDR3
13 unique J



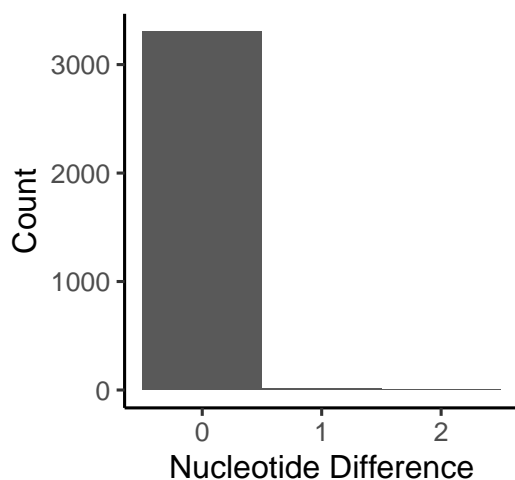
TRBV30*ap01

6315 sequences assigned
6022 (95.4%) exact matches, in which:
5843 unique CDR3
13 unique J



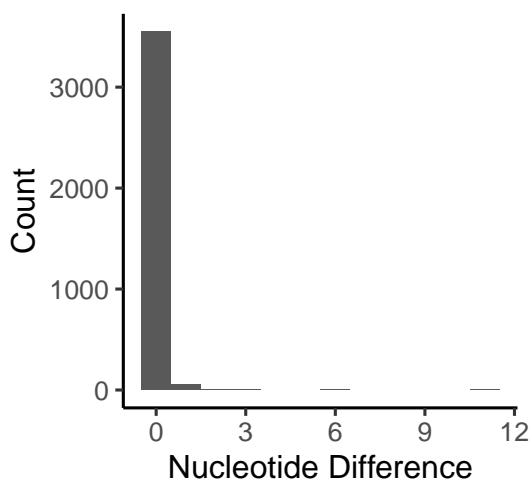
TRBV18*ap01

3318 sequences assigned
3303 (99.5%) exact matches, in which:
3291 unique CDR3
13 unique J



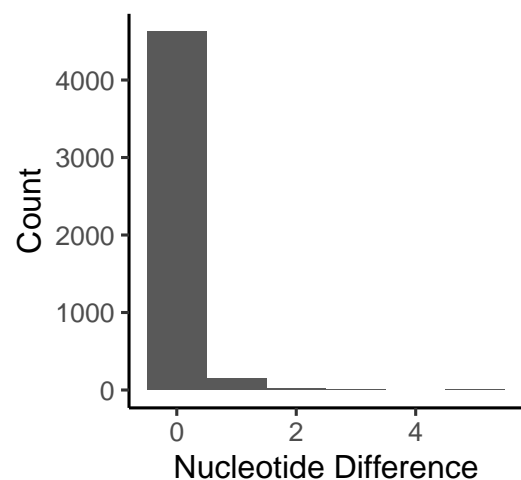
TRBV27*ap01

3608 sequences assigned
3549 (98.4%) exact matches, in which:
3508 unique CDR3
13 unique J



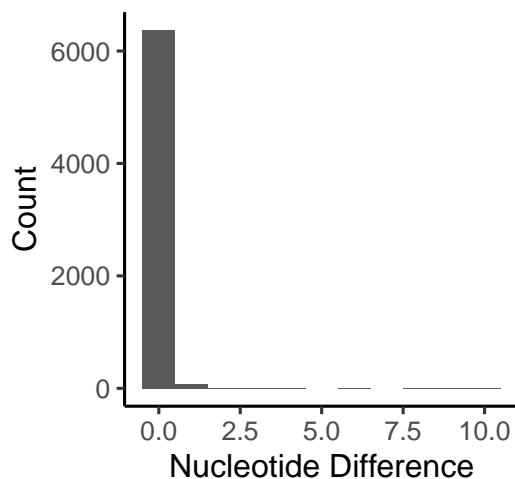
TRBV9*ap01

4794 sequences assigned
4623 (96.4%) exact matches, in which:
4577 unique CDR3
13 unique J



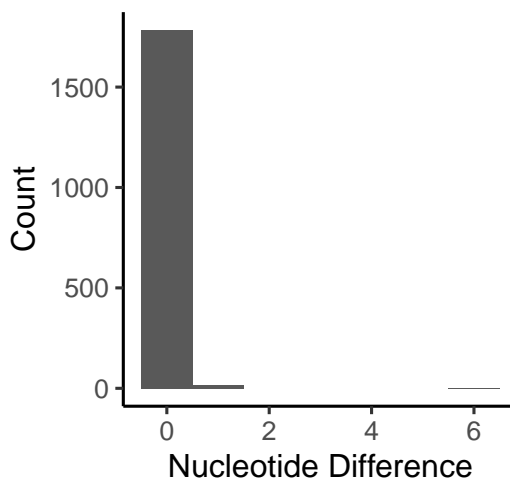
TRBV19*ap01

6457 sequences assigned
6373 (98.7%) exact matches, in which:
6338 unique CDR3
14 unique J



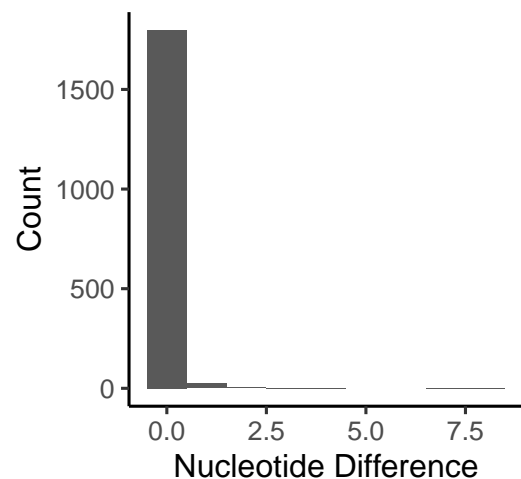
TRBV28*ap01

1800 sequences assigned
1784 (99.1%) exact matches, in which:
1770 unique CDR3
13 unique J



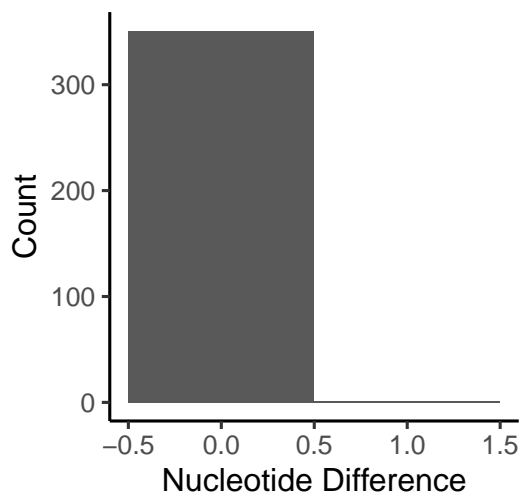
TRBV21-1*ap01

1833 sequences assigned
1798 (98.1%) exact matches, in which:
1786 unique CDR3
13 unique J



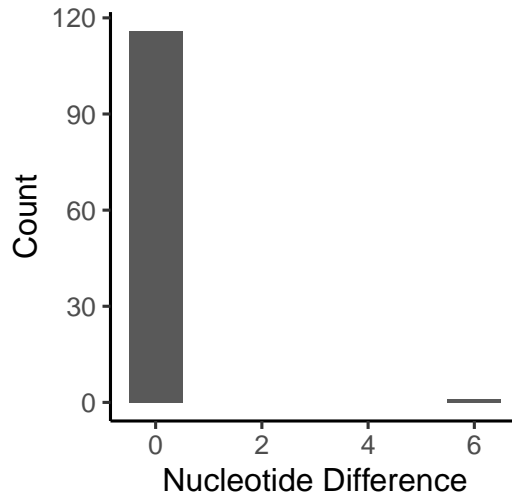
TRBV11-1*ap01

352 sequences assigned
351 (99.7%) exact matches, in which:
350 unique CDR3
13 unique J



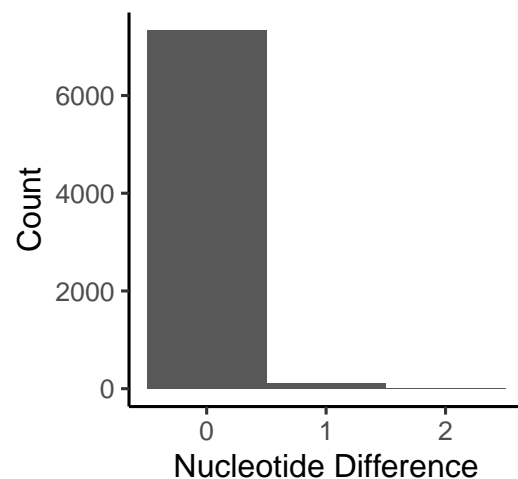
TRBV12-1*ap01

117 sequences assigned
116 (99.1%) exact matches, in which:
116 unique CDR3
12 unique J



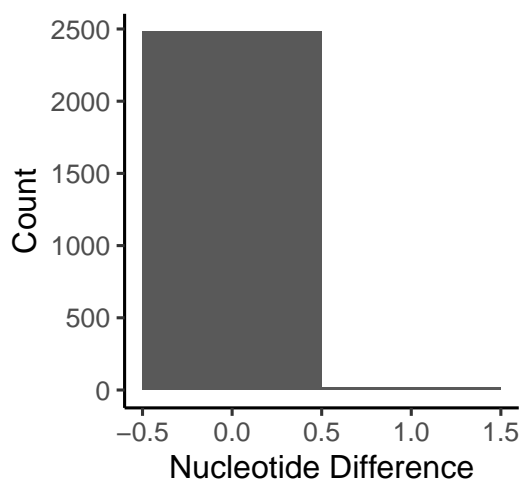
TRBV12-34*ap01

7461 sequences assigned
7333 (98.3%) exact matches, in which:
7223 unique CDR3
13 unique J



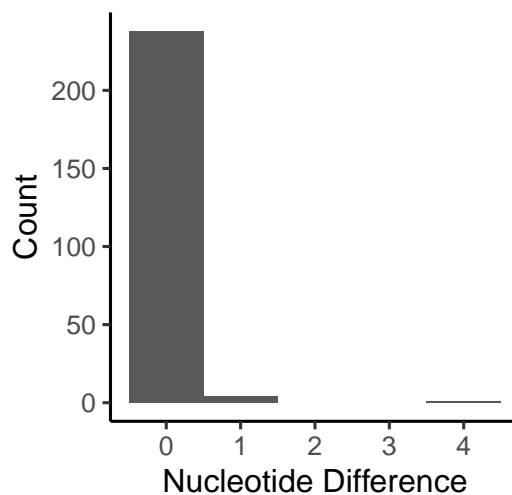
TRBV11-2*ap01

2497 sequences assigned
2481 (99.4%) exact matches, in which:
2466 unique CDR3
13 unique J



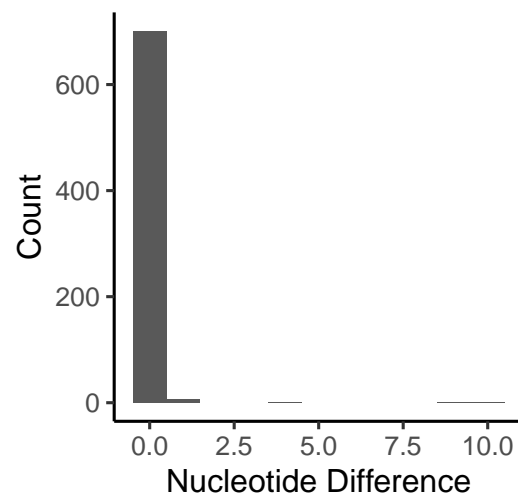
TRBV12-2*ap01

243 sequences assigned
238 (97.9%) exact matches, in which:
235 unique CDR3
13 unique J



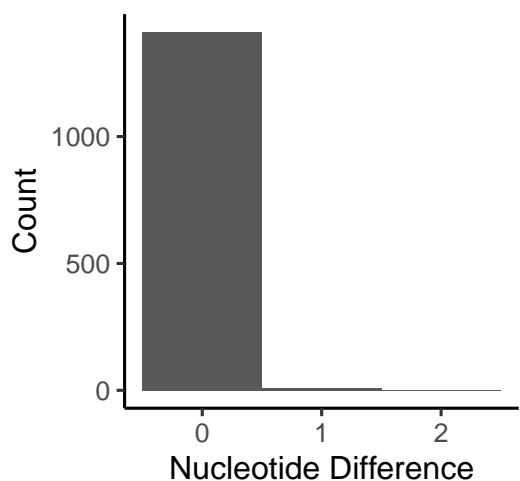
TRBV23-1*ap01

710 sequences assigned
701 (98.7%) exact matches, in which:
695 unique CDR3
13 unique J



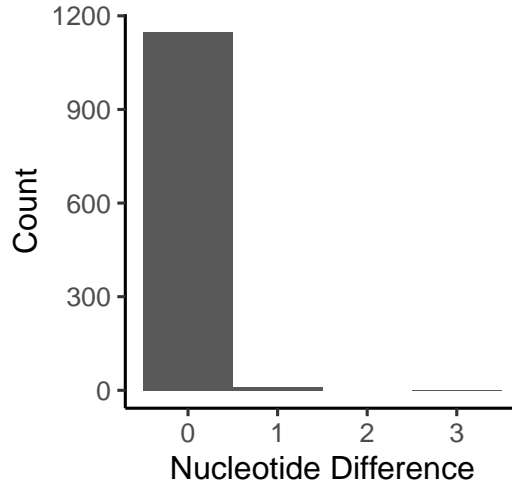
TRBV11-3*ap01

1424 sequences assigned
1412 (99.2%) exact matches, in which:
1405 unique CDR3
13 unique J



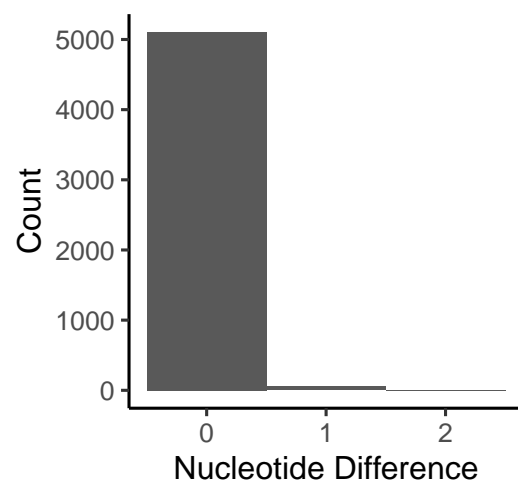
TRBV12-5*ap01

1160 sequences assigned
1148 (99%) exact matches, in which:
1133 unique CDR3
13 unique J



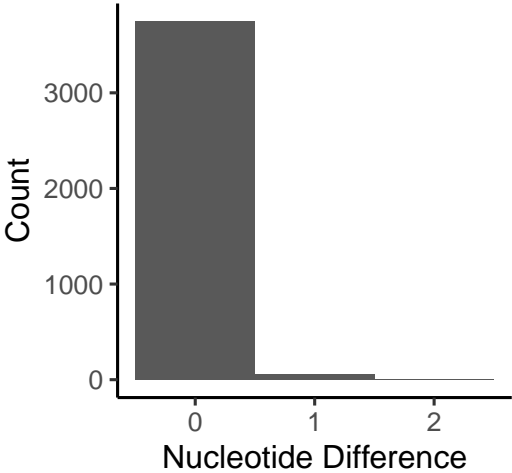
TRBV3-12*ap01

5165 sequences assigned
5106 (98.9%) exact matches, in which:
5077 unique CDR3
13 unique J



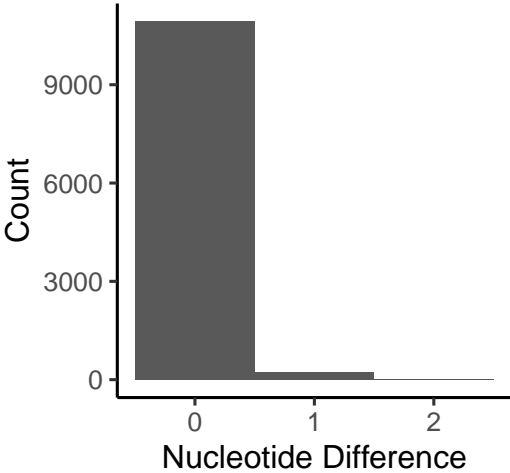
TRBV4-1*ap01

3811 sequences assigned
3747 (98.3%) exact matches, in which:
3680 unique CDR3
13 unique J



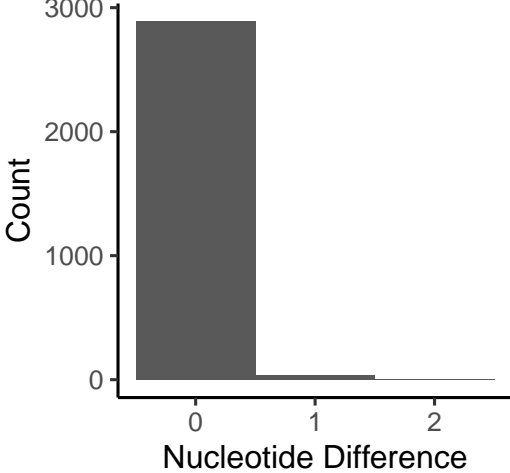
TRBV5-1*ap01

11168 sequences assigned
10932 (97.9%) exact matches, in which:
10786 unique CDR3
13 unique J



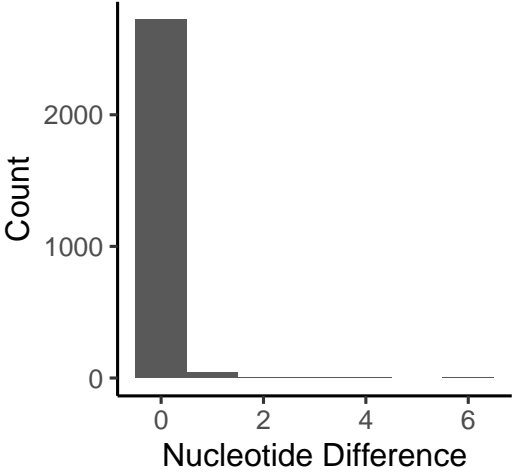
TRBV5-4*ap01

2925 sequences assigned
2889 (98.8%) exact matches, in which:
2848 unique CDR3
13 unique J



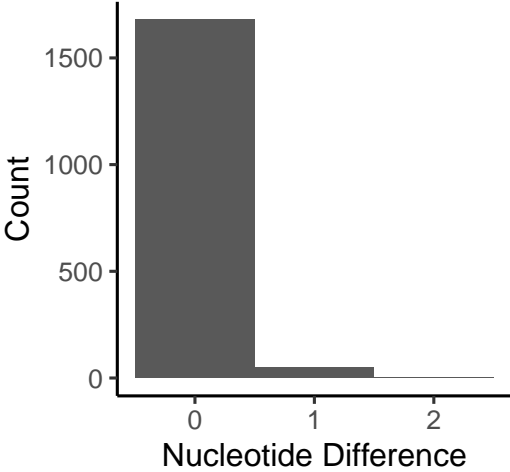
TRBV24-1*ap01

2772 sequences assigned
2722 (98.2%) exact matches, in which:
2671 unique CDR3
13 unique J



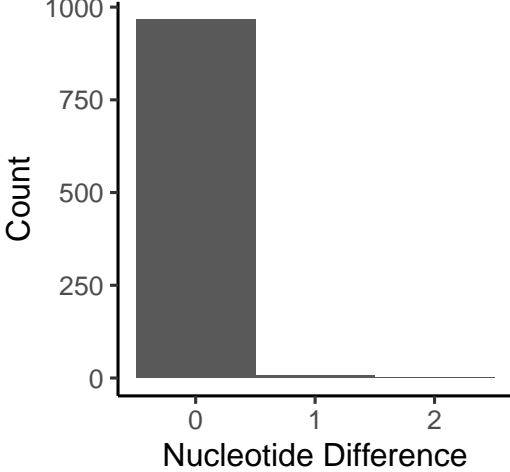
TRBV25-1*ap01

1730 sequences assigned
1679 (97.1%) exact matches, in which:
1633 unique CDR3
13 unique J



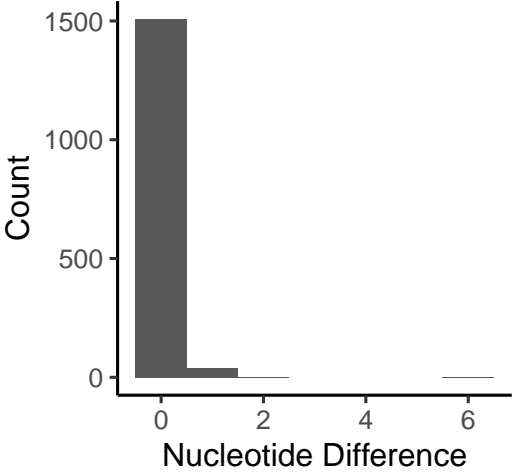
TRBV5-5*ap01

976 sequences assigned
966 (99%) exact matches, in which:
961 unique CDR3
13 unique J



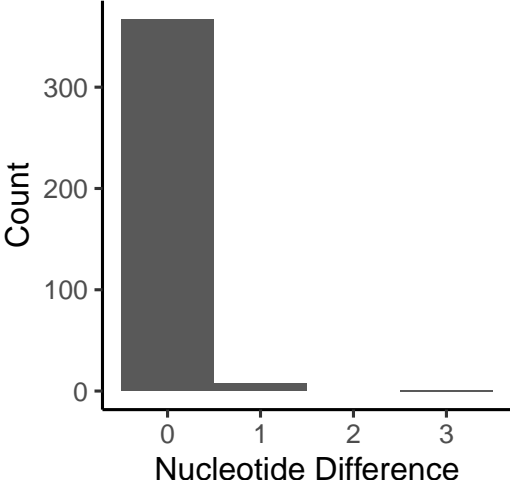
TRBV4-2*ap01

1550 sequences assigned
1508 (97.3%) exact matches, in which:
1489 unique CDR3
13 unique J



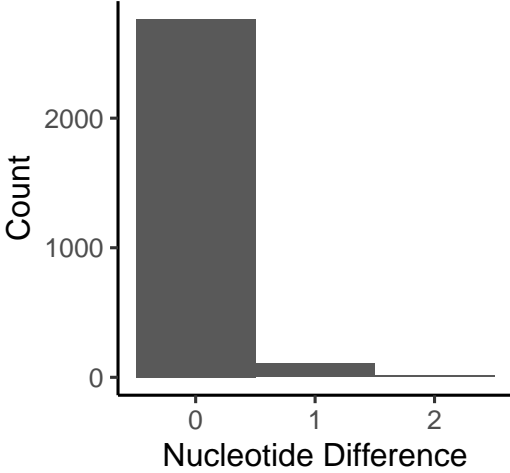
TRBV5-3*ap01

375 sequences assigned
367 (97.9%) exact matches, in which:
364 unique CDR3
13 unique J



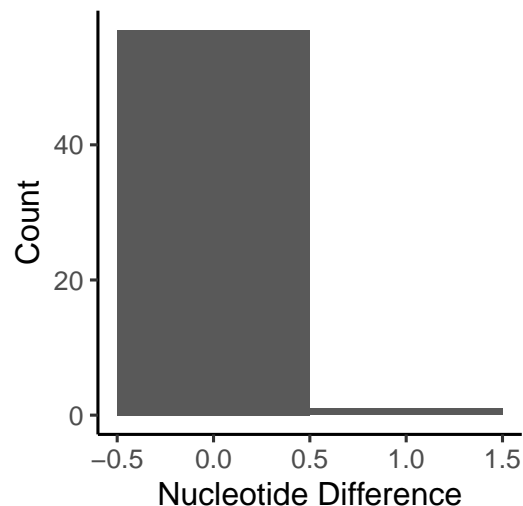
TRBV5-6*ap01

2886 sequences assigned
2765 (95.8%) exact matches, in which:
2700 unique CDR3
14 unique J



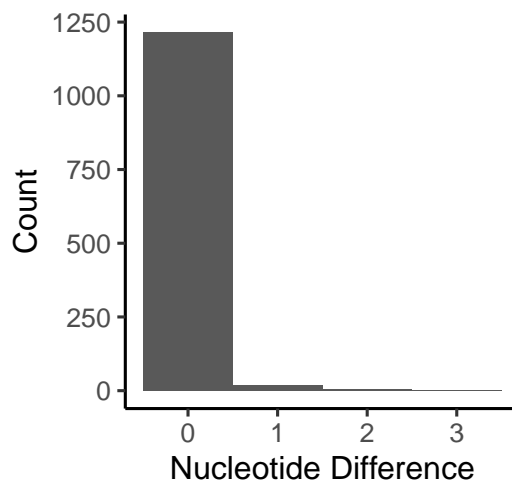
TRBV5-7*ap01

58 sequences assigned
57 (98.3%) exact matches, in which:
54 unique CDR3
13 unique J



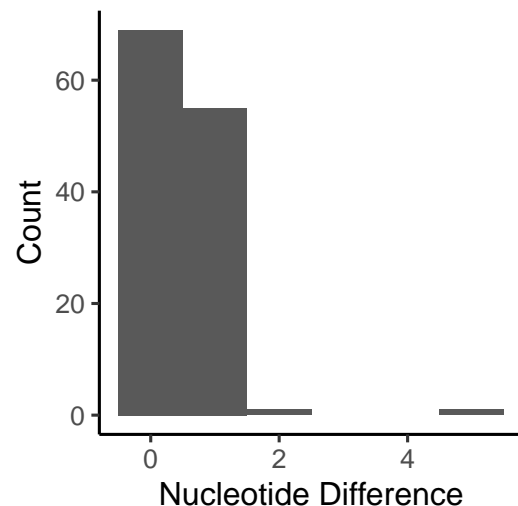
TRBV6-4*ap01

1241 sequences assigned
1215 (97.9%) exact matches, in which:
1205 unique CDR3
13 unique J



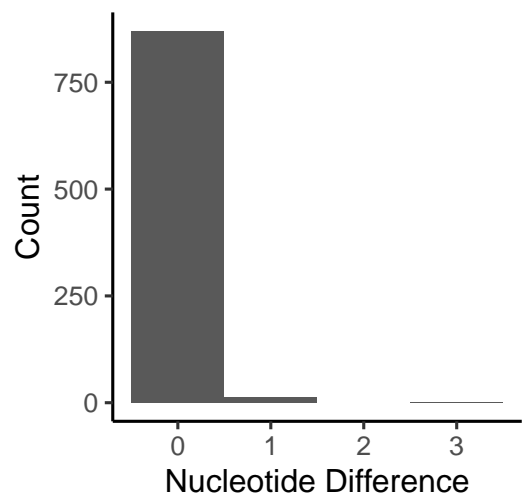
TRBV6-9*ap01

126 sequences assigned
69 (54.8%) exact matches, in which:
68 unique CDR3
11 unique J



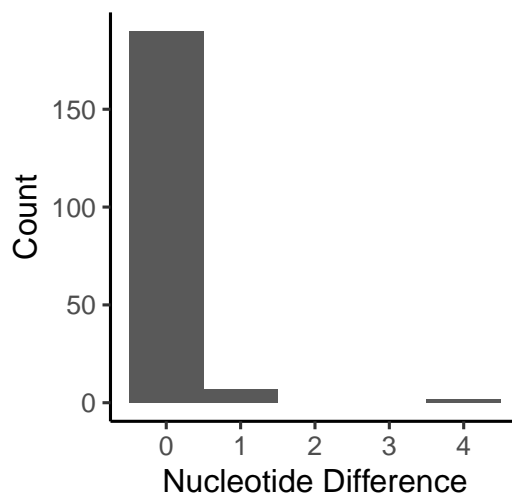
TRBV5-8*ap01

883 sequences assigned
870 (98.5%) exact matches, in which:
861 unique CDR3
13 unique J



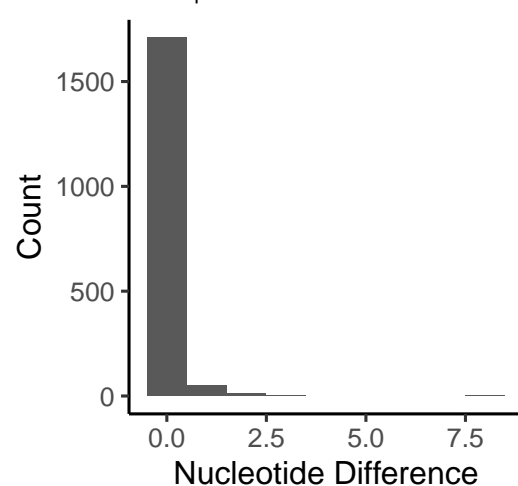
TRBV6-7*ap01

199 sequences assigned
190 (95.5%) exact matches, in which:
188 unique CDR3
13 unique J



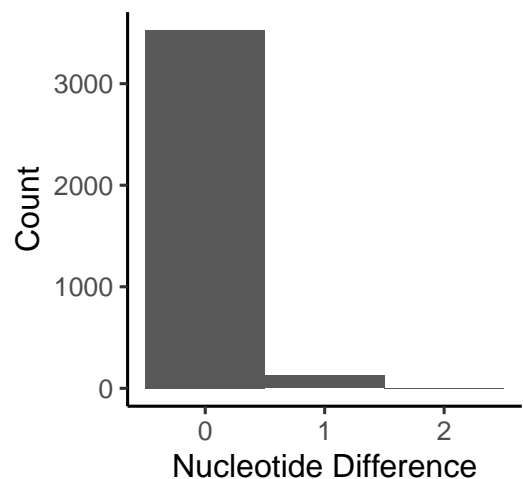
TRBV6-23*ap01

1773 sequences assigned
1709 (96.4%) exact matches, in which:
1660 unique CDR3
13 unique J



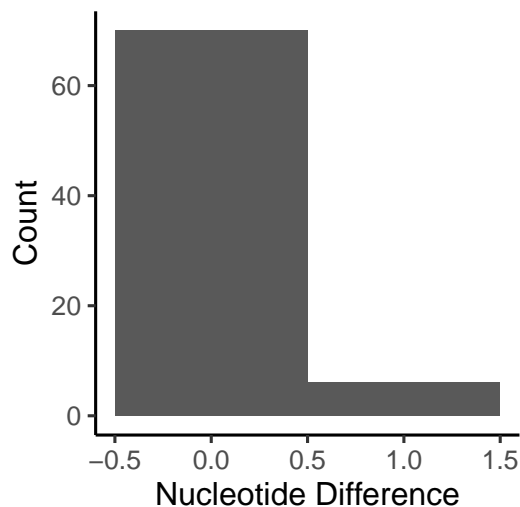
TRBV6-1*ap01

3658 sequences assigned
3528 (96.4%) exact matches, in which:
3474 unique CDR3
13 unique J



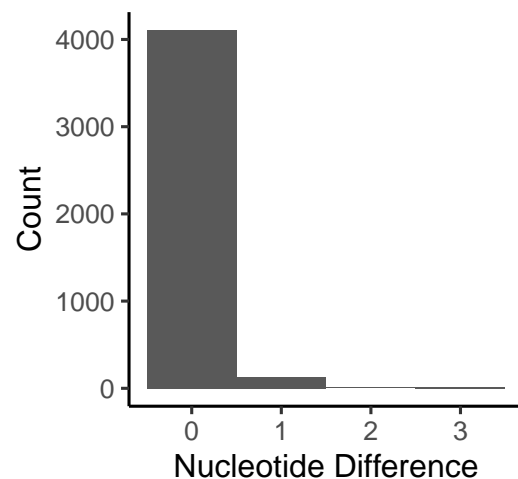
TRBV6-8*ap01

76 sequences assigned
70 (92.1%) exact matches, in which:
67 unique CDR3
11 unique J



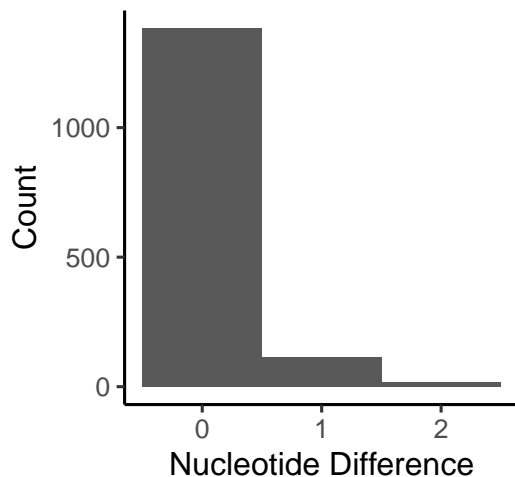
TRBV6-56*ap01

4265 sequences assigned
4108 (96.3%) exact matches, in which:
4027 unique CDR3
13 unique J



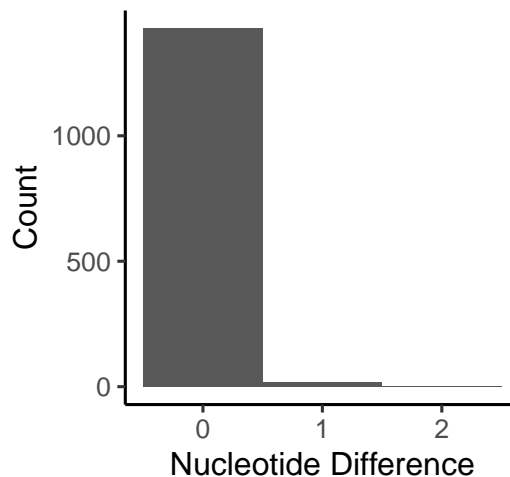
TRBV6-56*ap02

1514 sequences assigned
1383 (91.3%) exact matches, in which:
1348 unique CDR3
13 unique J



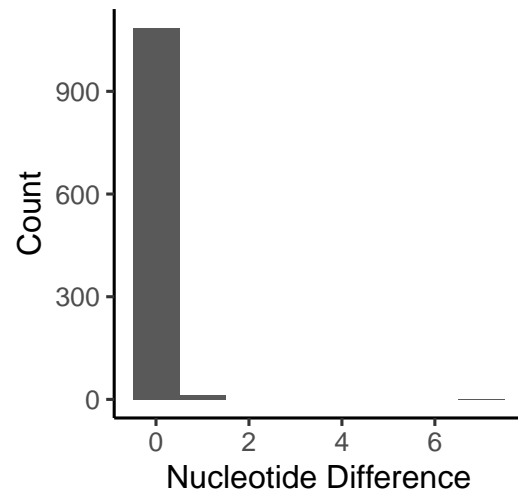
TRBV7-3*ap01

1449 sequences assigned
1428 (98.6%) exact matches, in which:
1416 unique CDR3
13 unique J



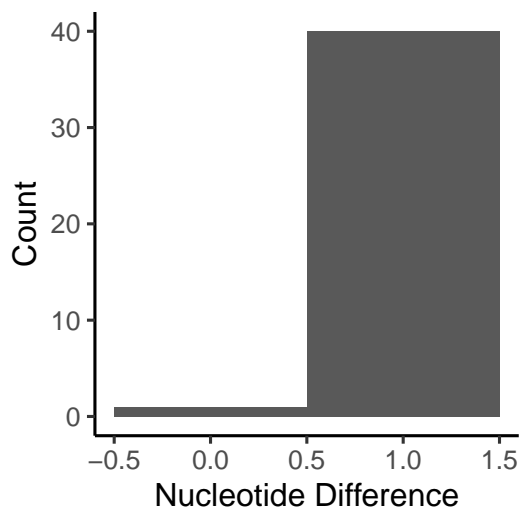
TRBV7-6*ap01

1100 sequences assigned
1086 (98.7%) exact matches, in which:
1076 unique CDR3
13 unique J



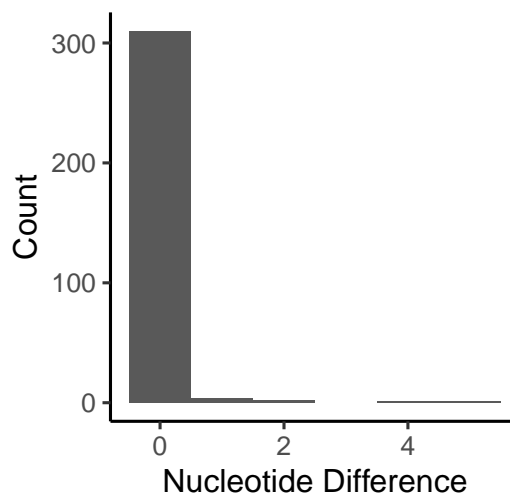
TRBV7-1*ap01_T296C

41 sequences assigned
1 (2.4%) exact matches, in which:
1 unique CDR3
1 unique J



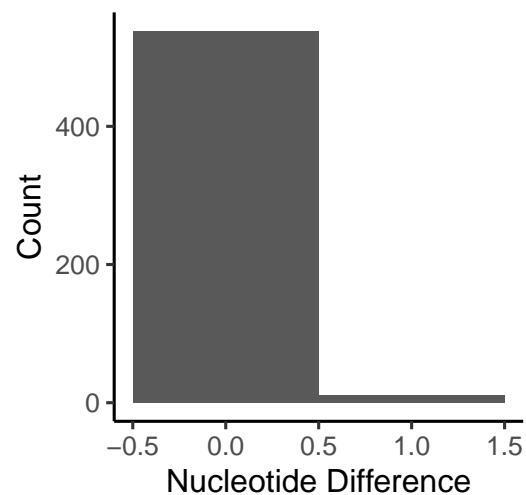
TRBV7-3*ap01_G292T

318 sequences assigned
310 (97.5%) exact matches, in which:
307 unique CDR3
13 unique J



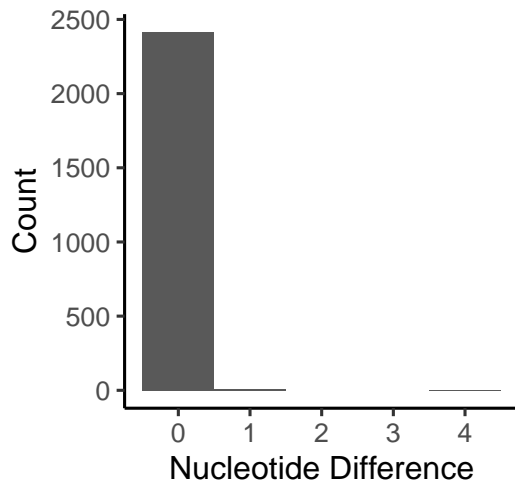
TRBV7-7*ap01_C315T

549 sequences assigned
538 (98%) exact matches, in which:
533 unique CDR3
13 unique J



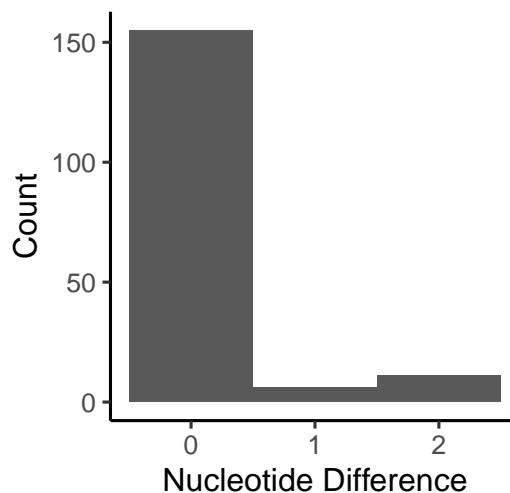
TRBV7-2*ap01

2427 sequences assigned
2415 (99.5%) exact matches, in which:
2398 unique CDR3
13 unique J



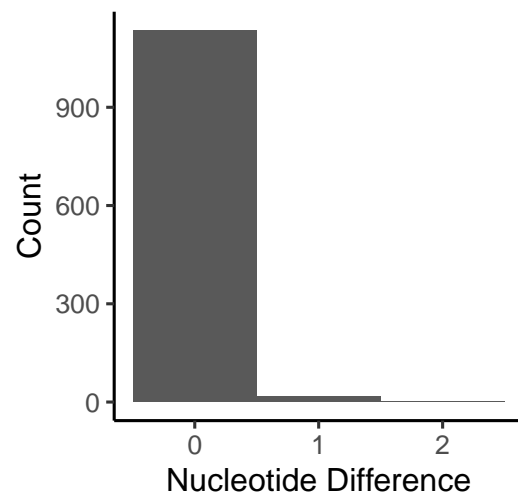
TRBV7-4*ap01

172 sequences assigned
155 (90.1%) exact matches, in which:
154 unique CDR3
13 unique J



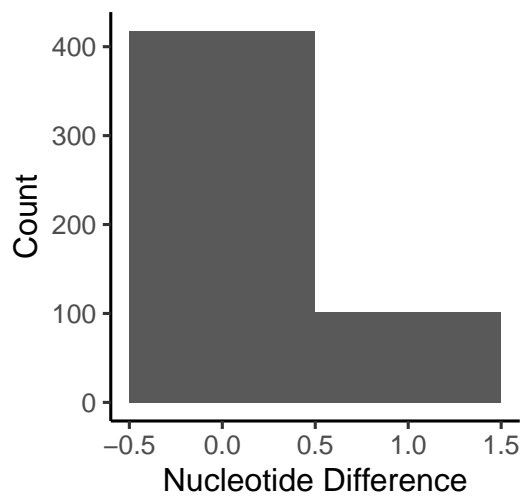
TRBV7-8*ap01

1154 sequences assigned
1135 (98.4%) exact matches, in which:
1124 unique CDR3
13 unique J



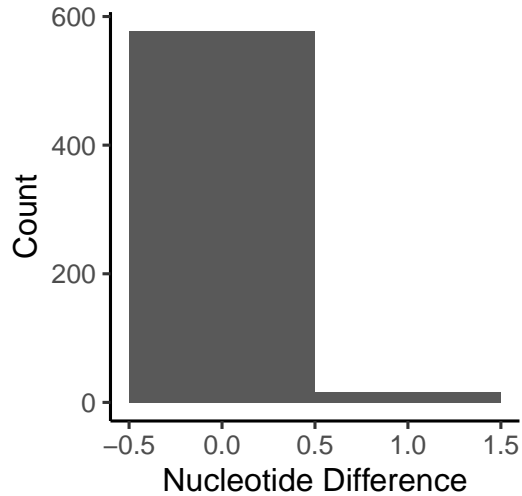
TRBV7–8*ap03

520 sequences assigned
418 (80.4%) exact matches, in which:
415 unique CDR3
13 unique J



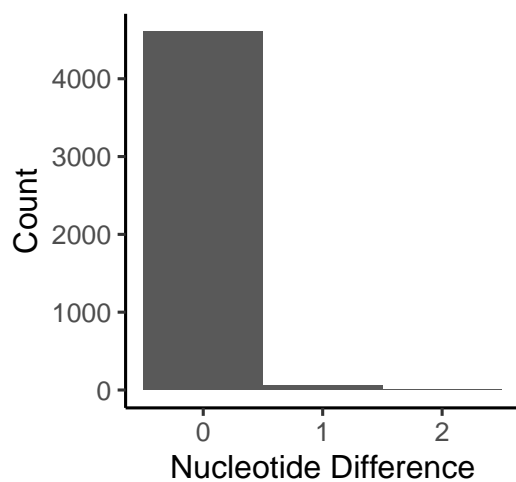
TRBV29–1*ap02

594 sequences assigned
578 (97.3%) exact matches, in which:
561 unique CDR3
13 unique J



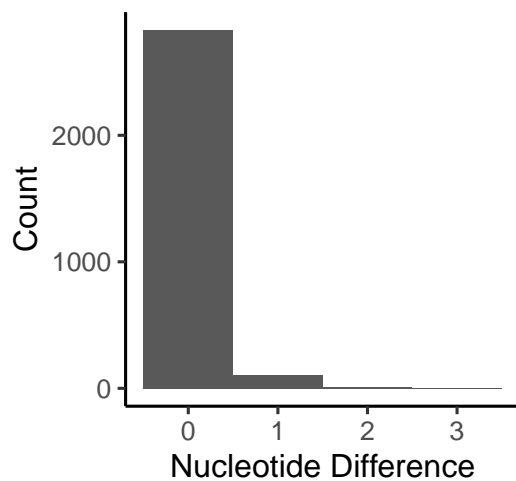
TRBV7–9*ap01

4671 sequences assigned
4604 (98.6%) exact matches, in which:
4558 unique CDR3
13 unique J

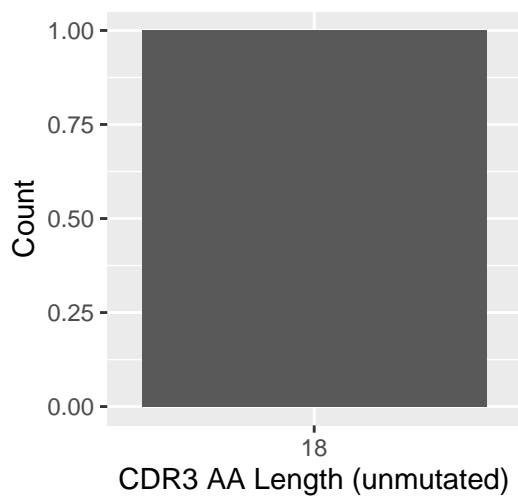


TRBV29–1*ap01

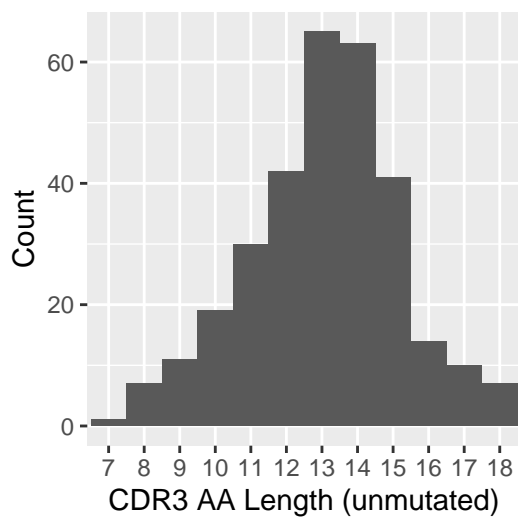
2948 sequences assigned
2832 (96.1%) exact matches, in which:
2759 unique CDR3
13 unique J



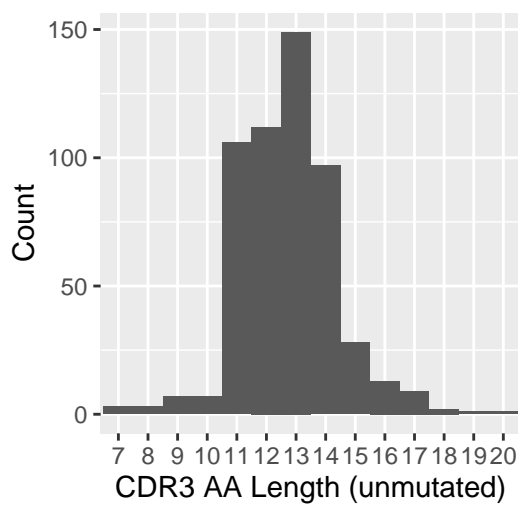
TRBV7-1*ap01_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T





[illegible]