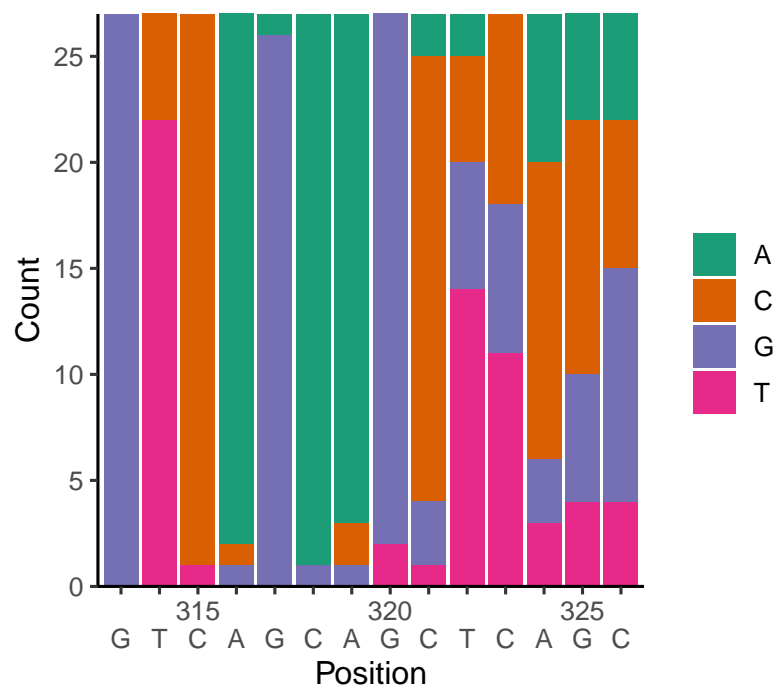
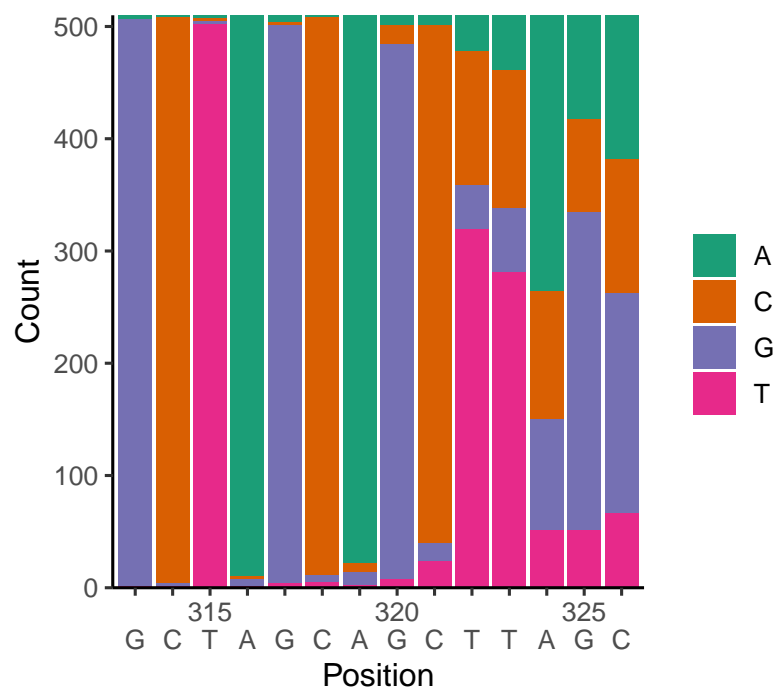


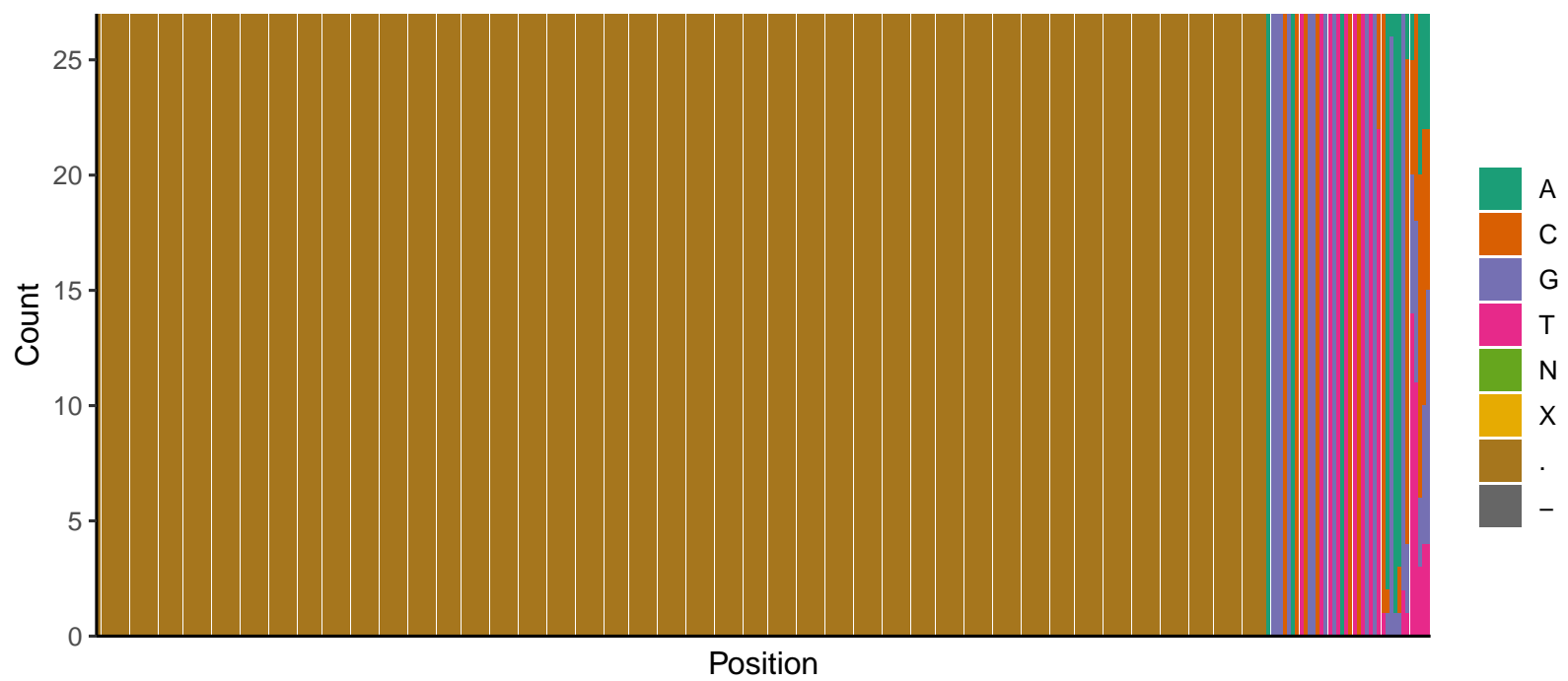
Gene TRBV7-1*ap01_G291C_T296C_C314T



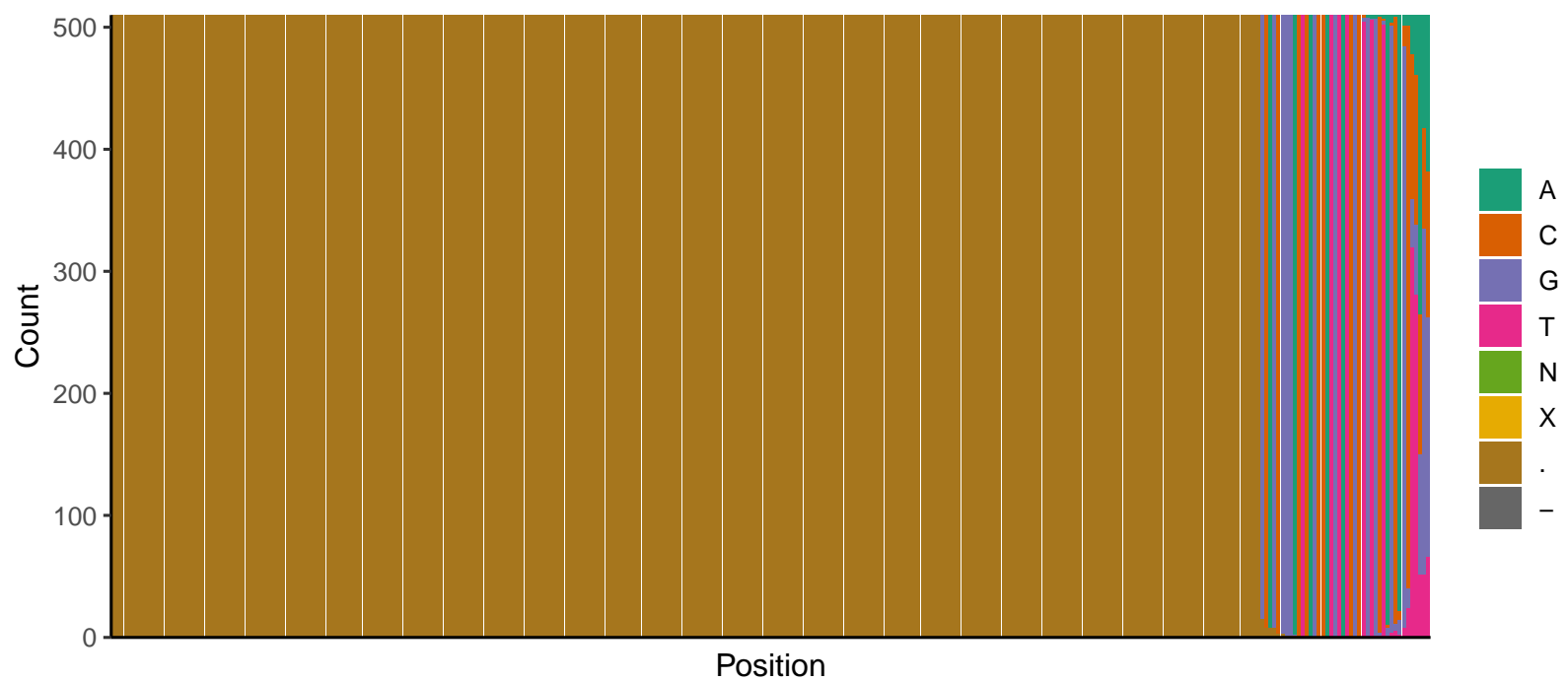
Gene TRBV7-7*ap01_C315T



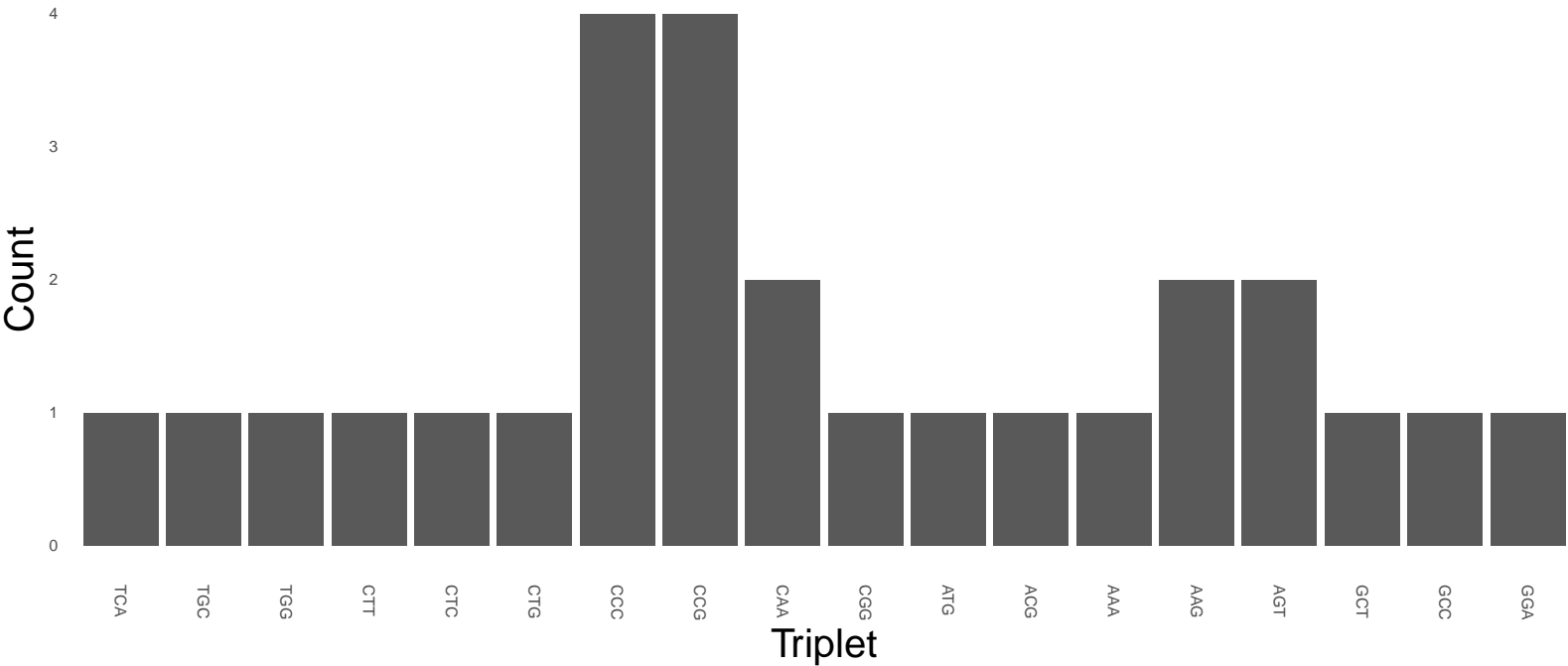
Gene TRBV7-1*ap01_G291C_T296C_C314T



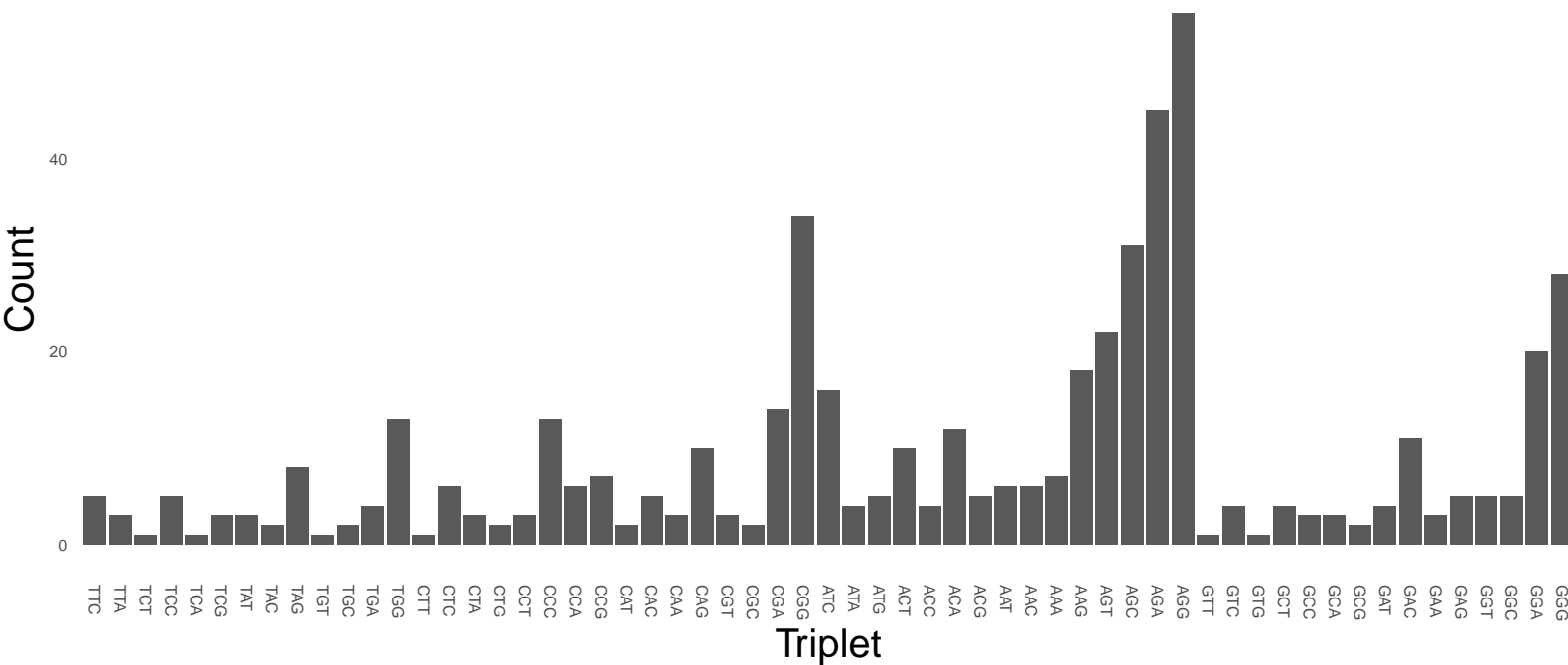
Gene TRBV7-7*ap01_C315T



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

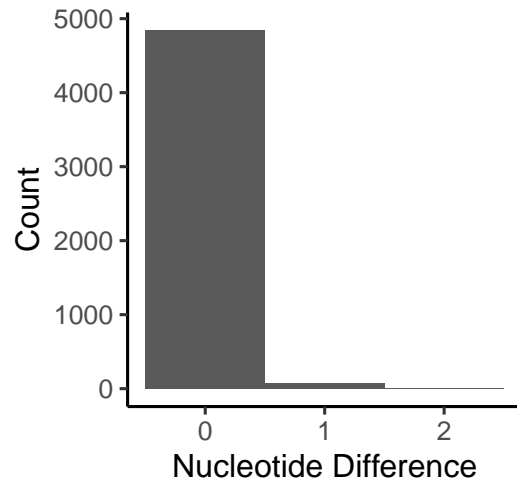


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



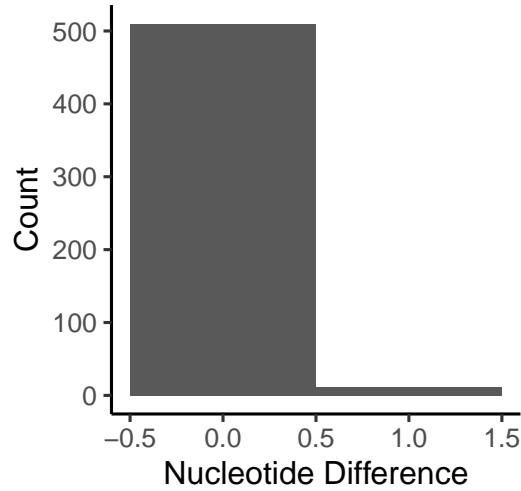
TRBV20-1*ap01

4922 sequences assigned
4841 (98.4%) exact matches, in which:
4745 unique CDR3
13 unique J



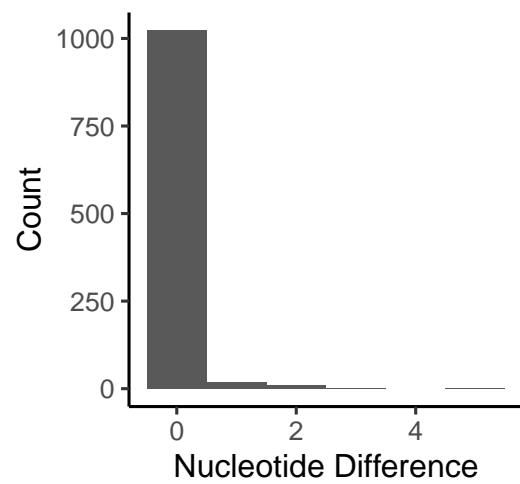
TRBV10-2*ap01

522 sequences assigned
510 (97.7%) exact matches, in which:
508 unique CDR3
13 unique J



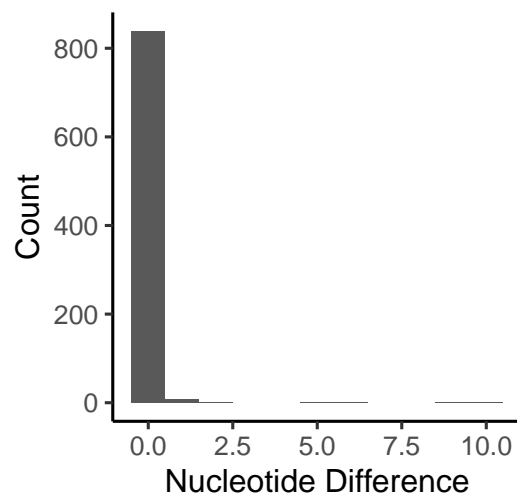
TRBV13*ap01

1053 sequences assigned
1023 (97.2%) exact matches, in which:
1014 unique CDR3
13 unique J



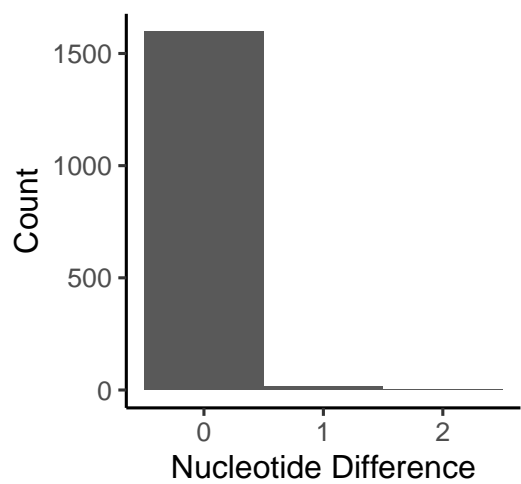
TRBV10-1*ap01

851 sequences assigned
839 (98.6%) exact matches, in which:
831 unique CDR3
13 unique J



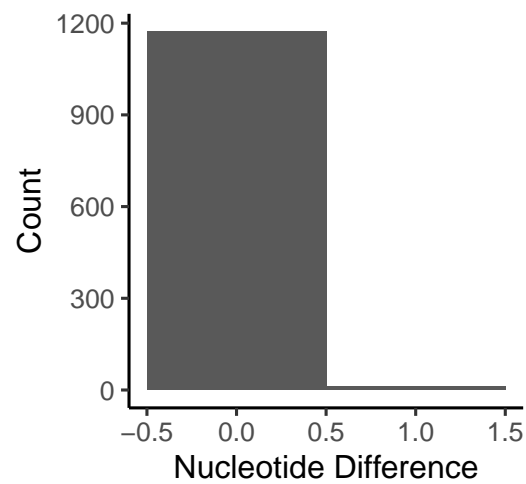
TRBV10-3*ap01

1615 sequences assigned
1597 (98.9%) exact matches, in which:
1584 unique CDR3
13 unique J



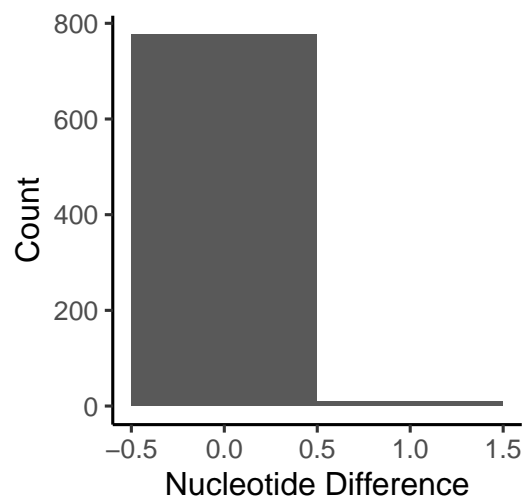
TRBV14*ap01

1185 sequences assigned
1172 (98.9%) exact matches, in which:
1155 unique CDR3
13 unique J



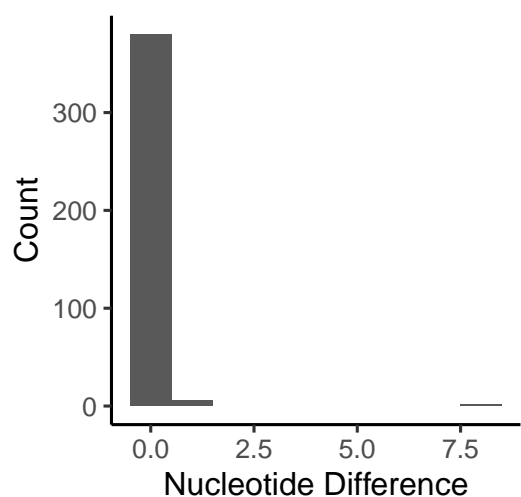
TRBV20-1*ap02

786 sequences assigned
777 (98.9%) exact matches, in which:
756 unique CDR3
13 unique J



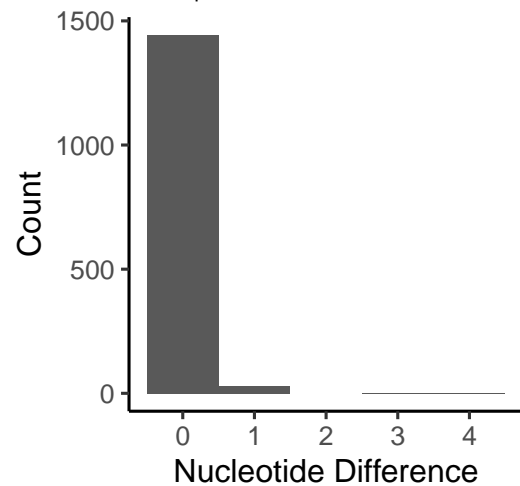
TRBV1*ap01

388 sequences assigned
380 (97.9%) exact matches, in which:
376 unique CDR3
13 unique J



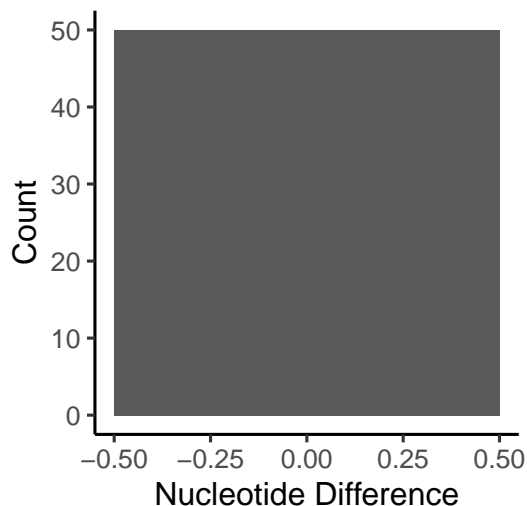
TRBV15*ap02

1475 sequences assigned
1443 (97.8%) exact matches, in which:
1426 unique CDR3
13 unique J



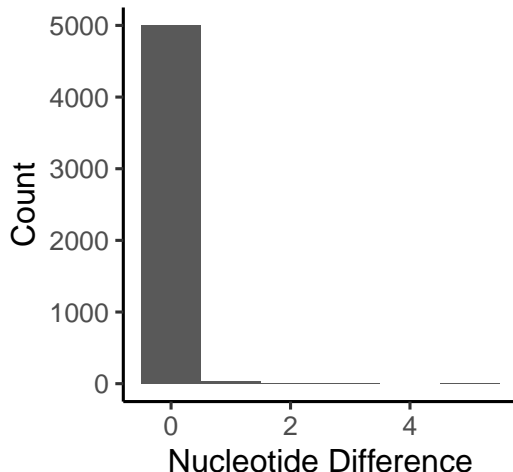
TRBV16*ap01

50 sequences assigned
50 (100%) exact matches, in which:
50 unique CDR3
11 unique J



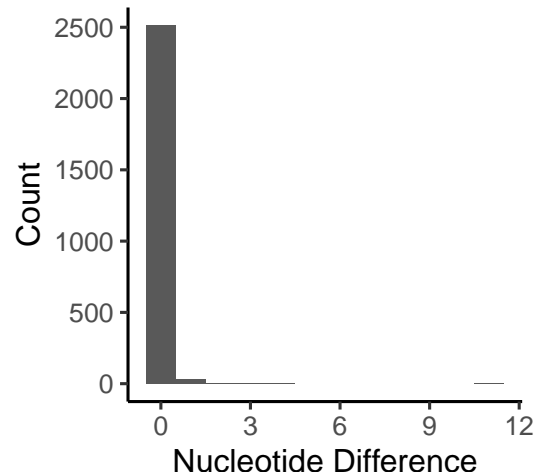
TRBV19*ap01

5046 sequences assigned
5000 (99.1%) exact matches, in which:
4948 unique CDR3
13 unique J



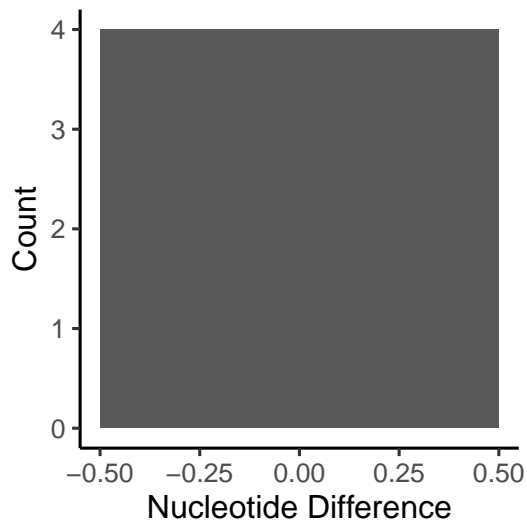
TRBV27*ap01

2552 sequences assigned
2513 (98.5%) exact matches, in which:
2492 unique CDR3
13 unique J



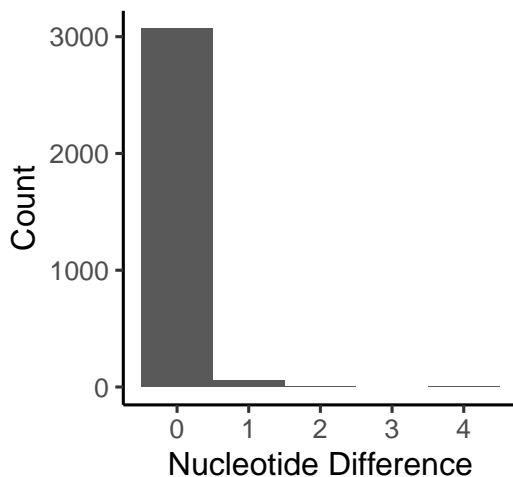
TRBV17*ap01

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



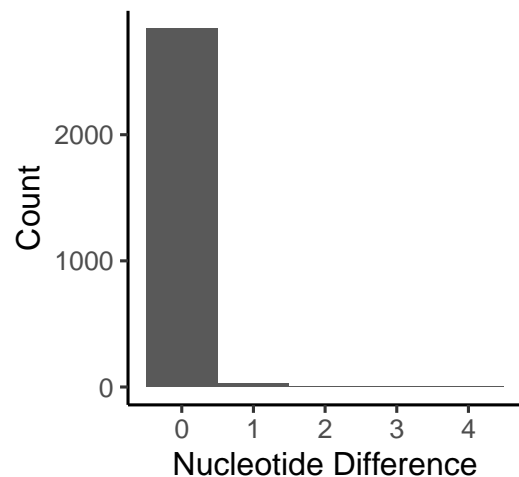
TRBV2*ap01

3128 sequences assigned
3068 (98.1%) exact matches, in which:
3049 unique CDR3
13 unique J



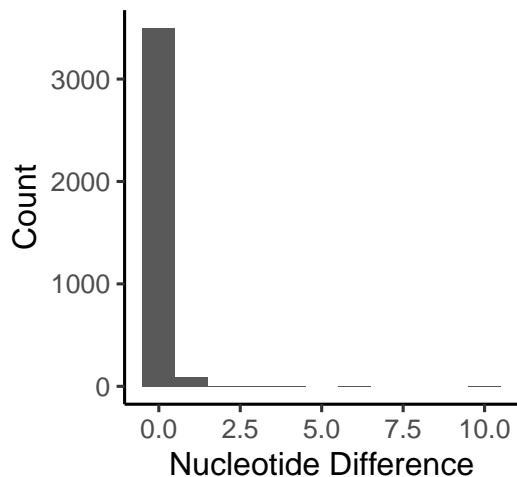
TRBV28*ap01

2870 sequences assigned
2840 (99%) exact matches, in which:
2821 unique CDR3
13 unique J



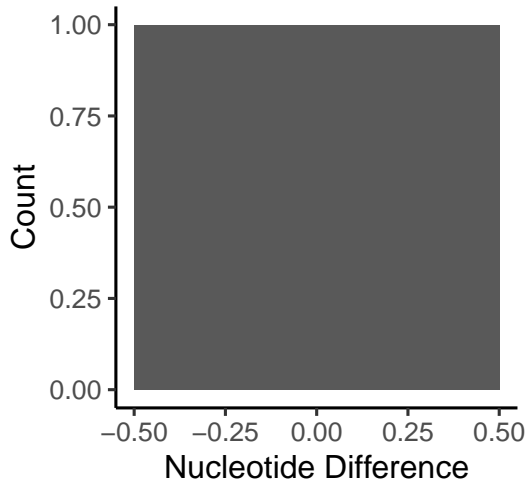
TRBV18*ap01

3596 sequences assigned
3498 (97.3%) exact matches, in which:
3430 unique CDR3
13 unique J



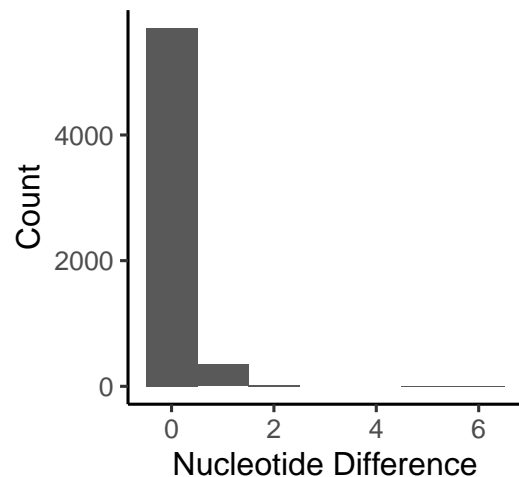
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



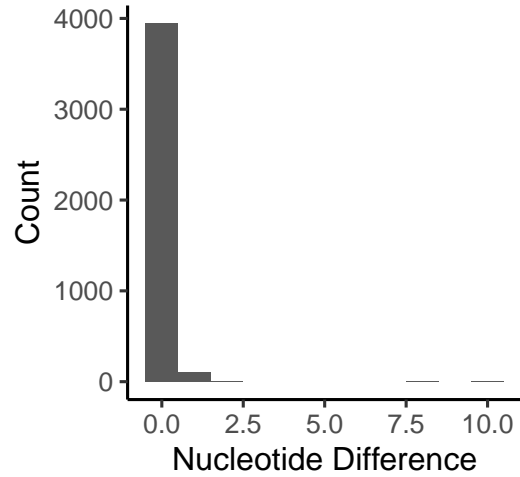
TRBV30*ap01

6073 sequences assigned
5702 (93.9%) exact matches, in which:
5424 unique CDR3
13 unique J



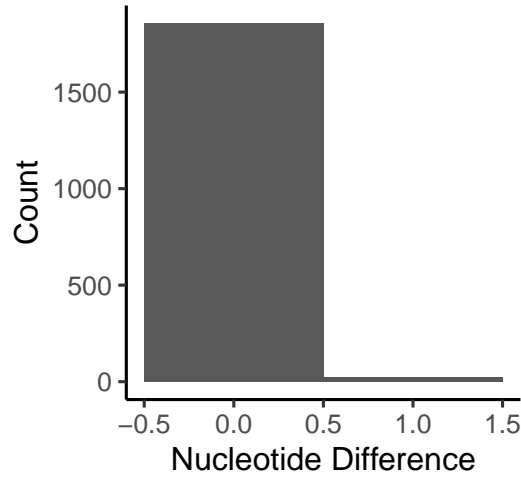
TRBV9*ap01

4051 sequences assigned
3945 (97.4%) exact matches, in which:
3899 unique CDR3
13 unique J



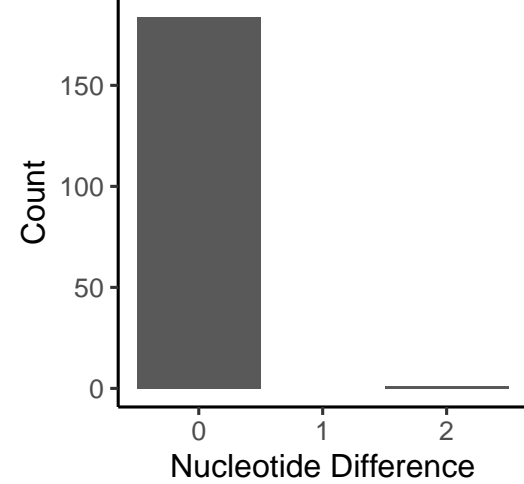
TRBV11-2*ap01

1879 sequences assigned
1856 (98.8%) exact matches, in which:
1843 unique CDR3
13 unique J



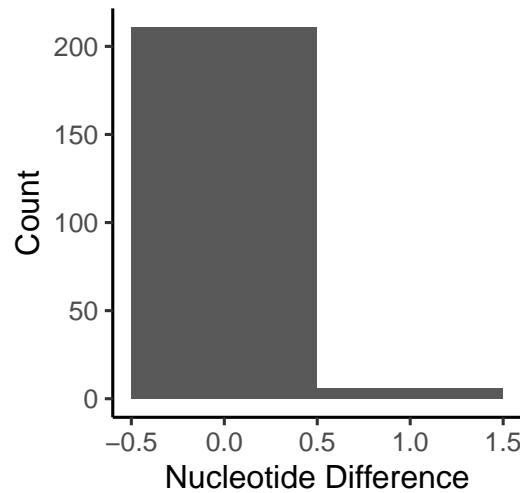
TRBV12-2*ap01

185 sequences assigned
184 (99.5%) exact matches, in which:
183 unique CDR3
13 unique J



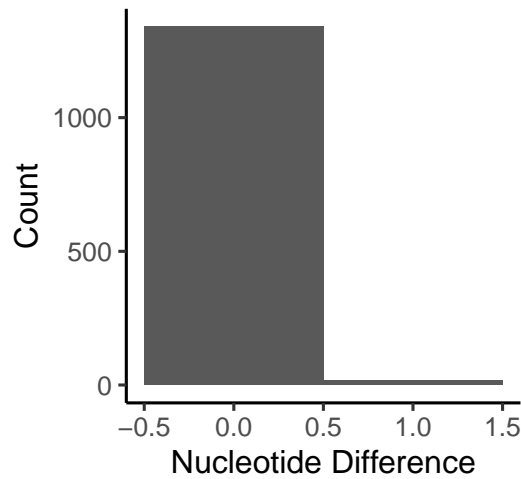
TRBV11-1*ap01

217 sequences assigned
211 (97.2%) exact matches, in which:
211 unique CDR3
13 unique J



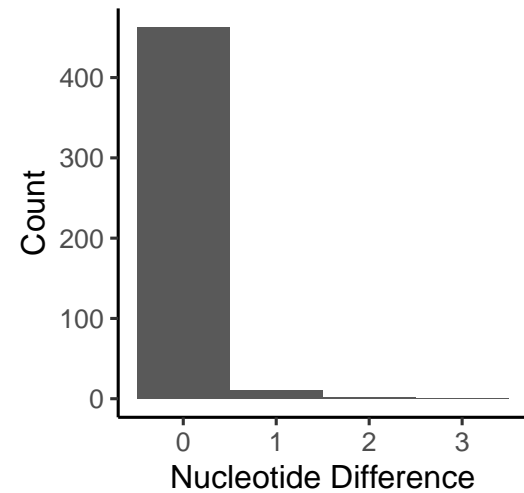
TRBV11-3*ap01

1356 sequences assigned
1340 (98.8%) exact matches, in which:
1332 unique CDR3
13 unique J



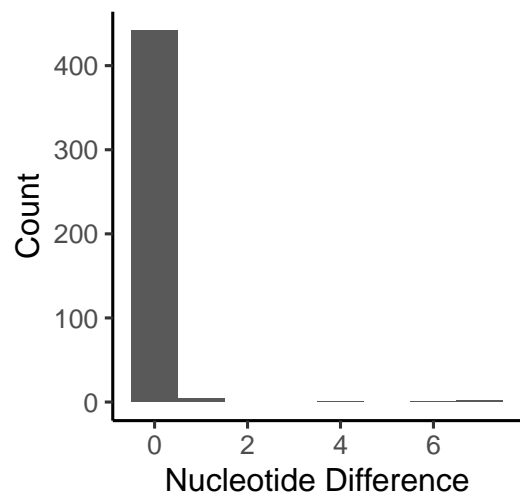
TRBV12-5*ap01

476 sequences assigned
463 (97.3%) exact matches, in which:
460 unique CDR3
13 unique J



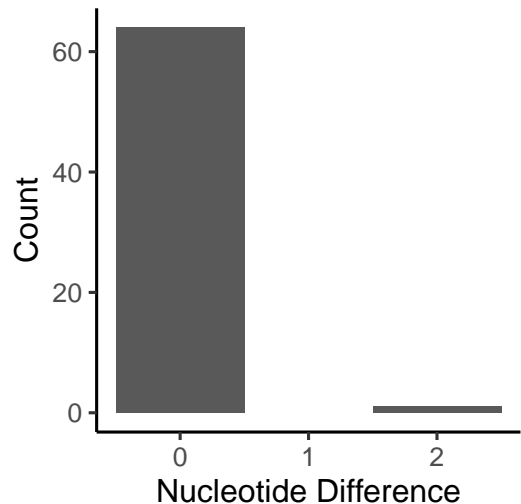
TRBV21-1*ap01

450 sequences assigned
442 (98.2%) exact matches, in which:
441 unique CDR3
13 unique J



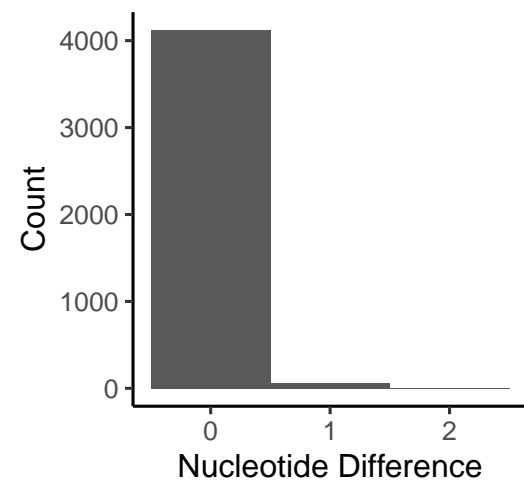
TRBV12-1*ap01

65 sequences assigned
64 (98.5%) exact matches, in which:
64 unique CDR3
11 unique J



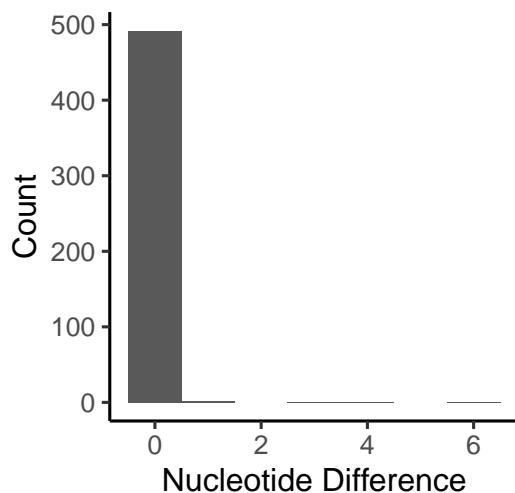
TRBV12-34*ap01

4187 sequences assigned
4122 (98.4%) exact matches, in which:
4085 unique CDR3
13 unique J



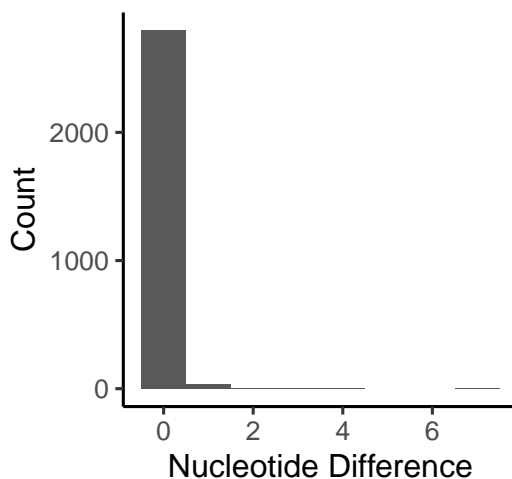
TRBV23–1*ap01

497 sequences assigned
492 (99%) exact matches, in which:
483 unique CDR3
13 unique J



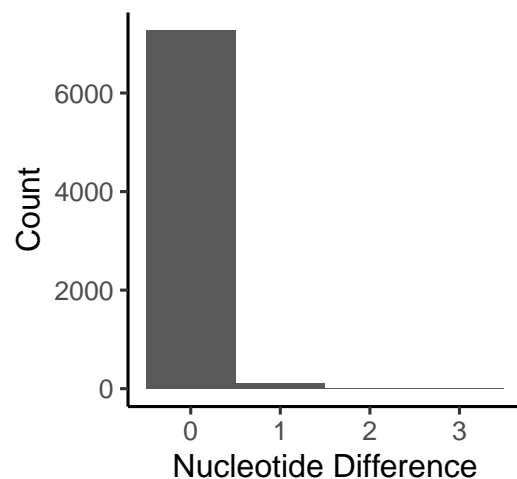
TRBV24–1*ap01

2838 sequences assigned
2796 (98.5%) exact matches, in which:
2771 unique CDR3
13 unique J



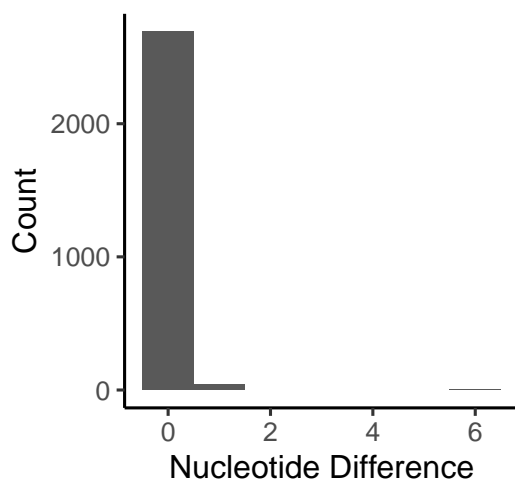
TRBV5–1*ap01

7386 sequences assigned
7271 (98.4%) exact matches, in which:
7165 unique CDR3
13 unique J



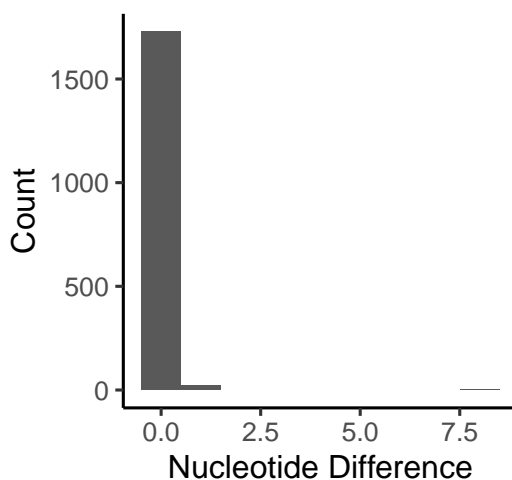
TRBV3–12*ap01

2731 sequences assigned
2691 (98.5%) exact matches, in which:
2678 unique CDR3
13 unique J



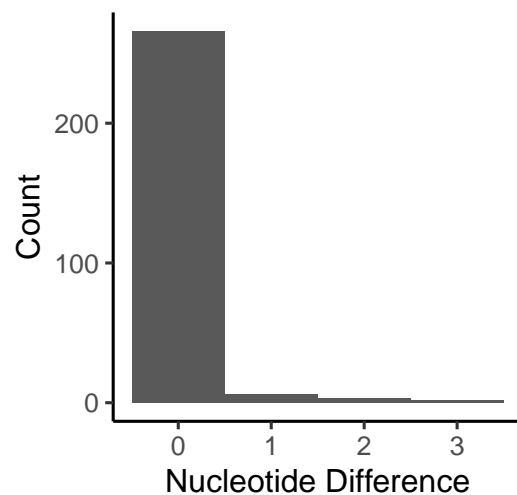
TRBV4–2*ap01

1749 sequences assigned
1728 (98.8%) exact matches, in which:
1691 unique CDR3
13 unique J



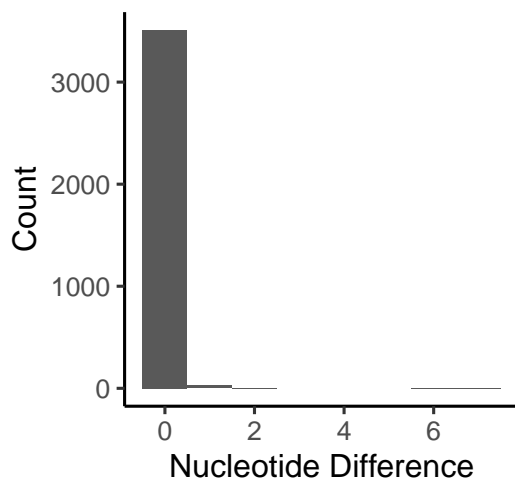
TRBV5–3*ap01

277 sequences assigned
266 (96%) exact matches, in which:
261 unique CDR3
13 unique J



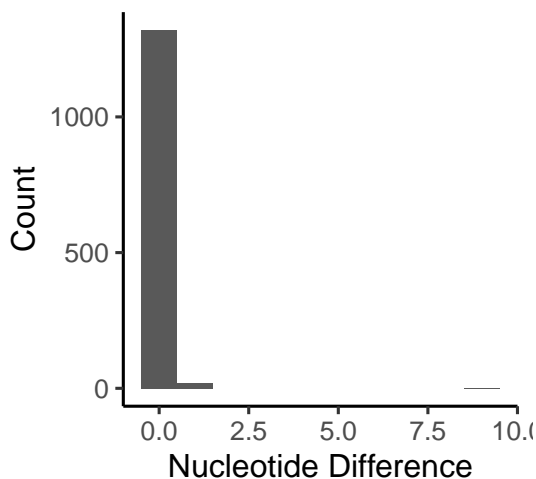
TRBV4–1*ap01

3539 sequences assigned
3510 (99.2%) exact matches, in which:
3439 unique CDR3
13 unique J



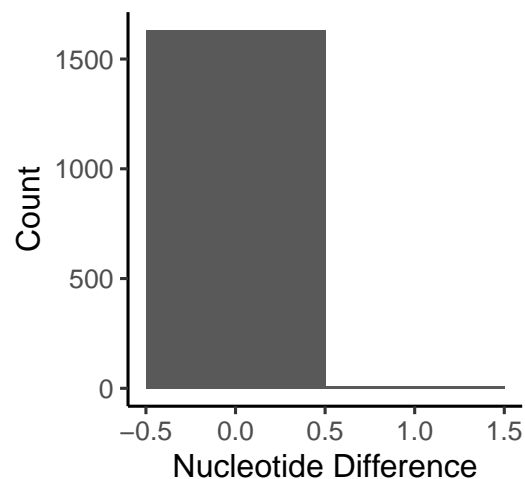
TRBV25–1*ap01

1341 sequences assigned
1320 (98.4%) exact matches, in which:
1303 unique CDR3
13 unique J



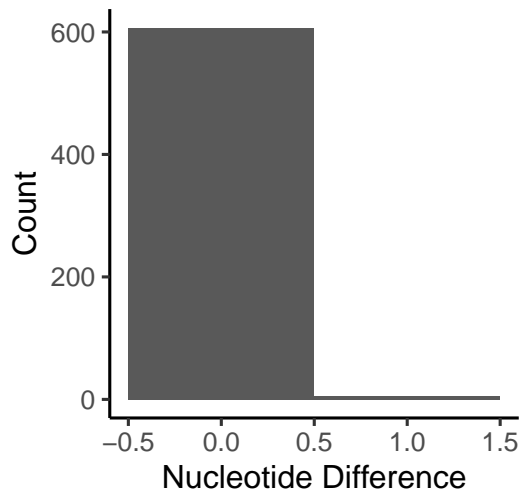
TRBV5–4*ap01

1643 sequences assigned
1632 (99.3%) exact matches, in which:
1614 unique CDR3
13 unique J



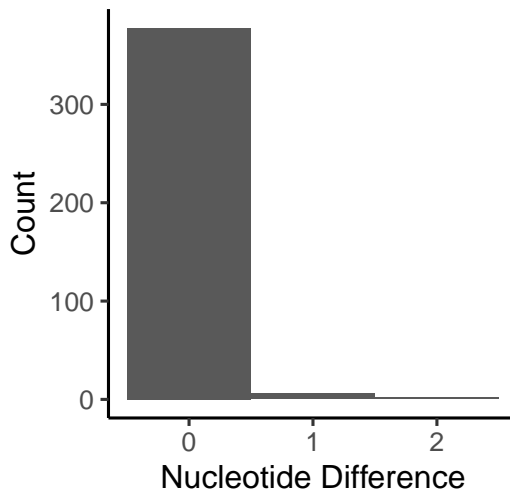
TRBV5-5*ap01

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



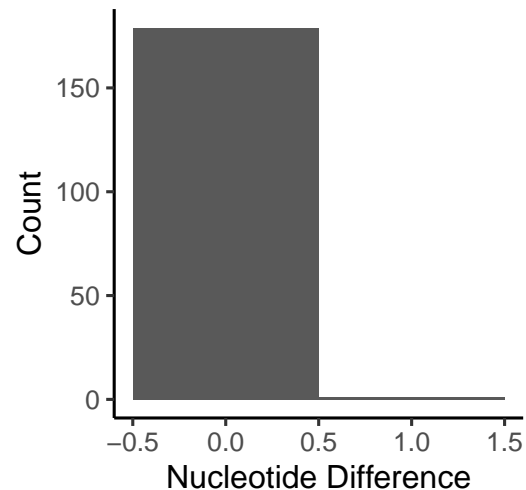
TRBV5-8*ap01

386 sequences assigned
378 (97.9%) exact matches, in which:
374 unique CDR3
13 unique J



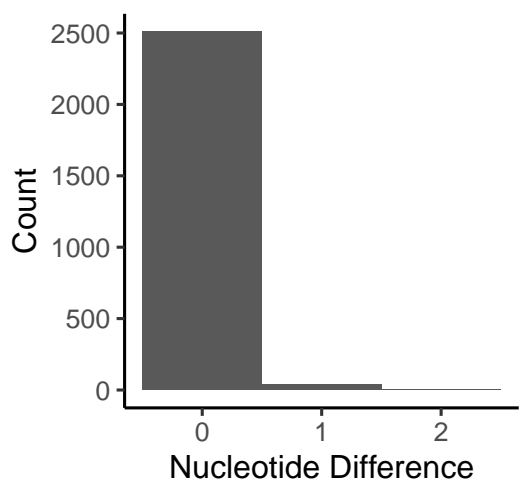
TRBV6-7*ap01

180 sequences assigned
179 (99.4%) exact matches, in which:
177 unique CDR3
13 unique J



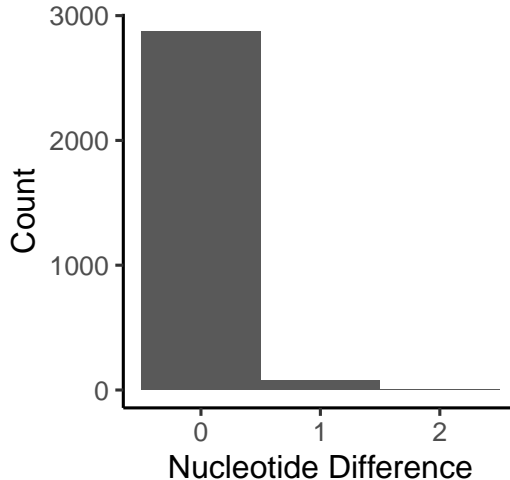
TRBV5-6*ap01

2549 sequences assigned
2509 (98.4%) exact matches, in which:
2445 unique CDR3
13 unique J



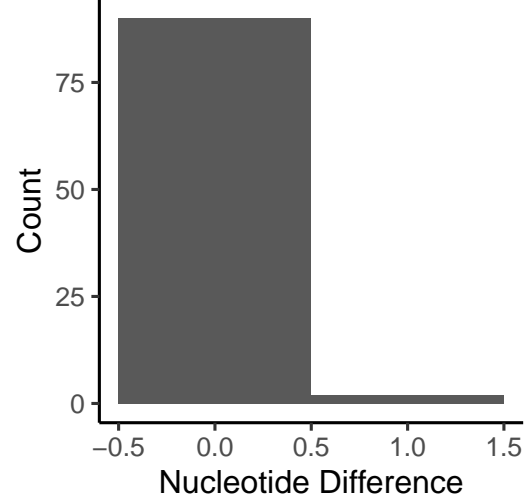
TRBV6-1*ap01

2951 sequences assigned
2871 (97.3%) exact matches, in which:
2836 unique CDR3
13 unique J



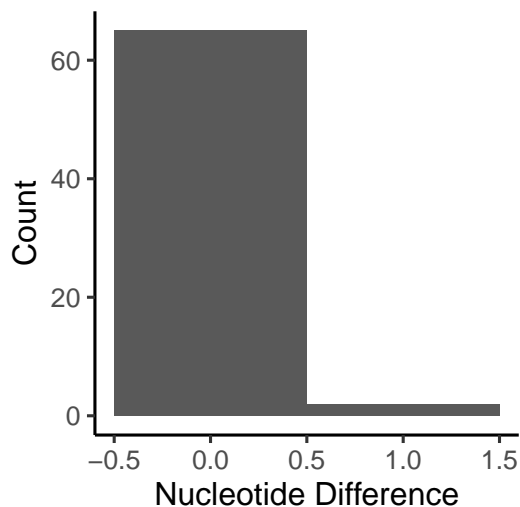
TRBV6-8*ap01

92 sequences assigned
90 (97.8%) exact matches, in which:
90 unique CDR3
13 unique J



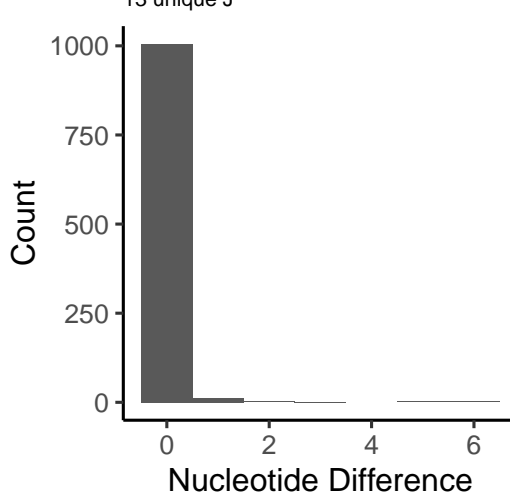
TRBV5-7*ap01

67 sequences assigned
65 (97%) exact matches, in which:
64 unique CDR3
10 unique J



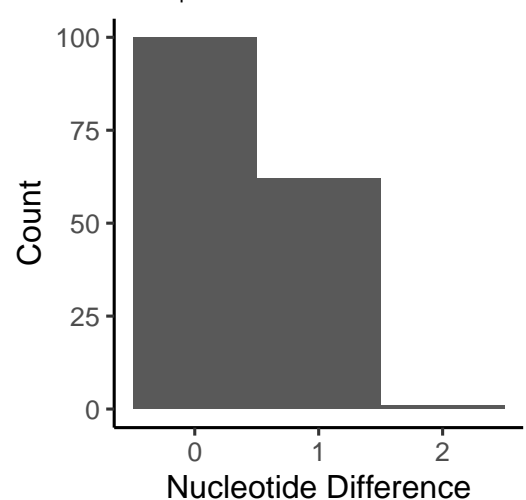
TRBV6-4*ap01

1024 sequences assigned
1005 (98.1%) exact matches, in which:
994 unique CDR3
13 unique J



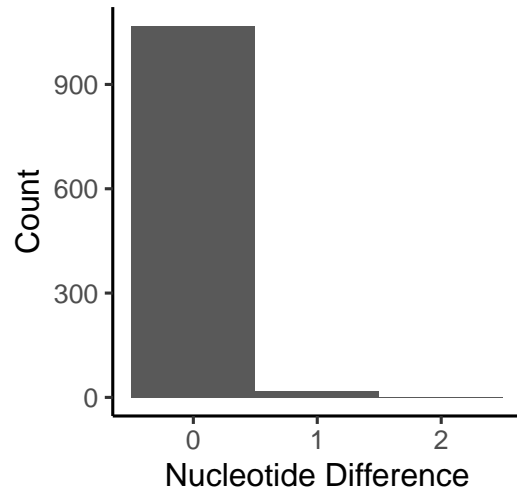
TRBV6-9*ap01

163 sequences assigned
100 (61.3%) exact matches, in which:
100 unique CDR3
13 unique J



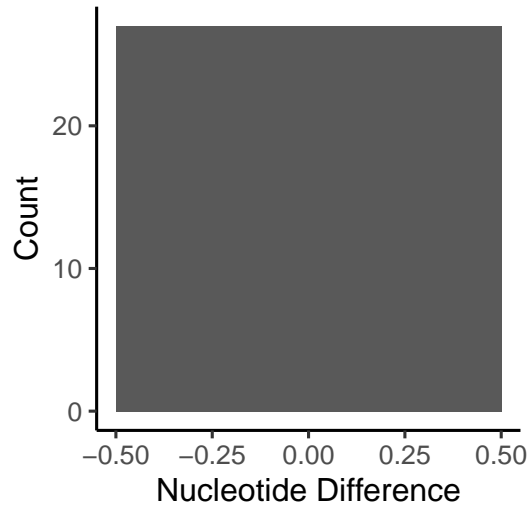
TRBV6-23*ap01

1088 sequences assigned
1069 (98.3%) exact matches, in which:
1060 unique CDR3
13 unique J



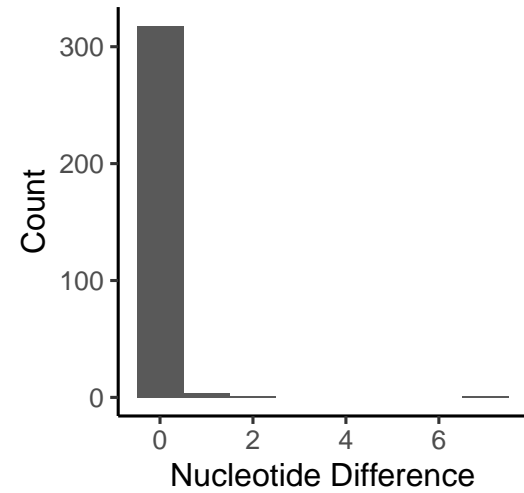
TRBV7-1*ap01_G291C_T

27 sequences assigned
27 (100%) exact matches, in which:
27 unique CDR3
8 unique J



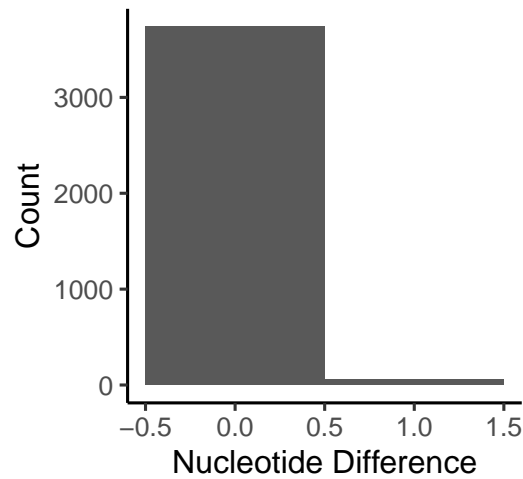
TRBV7-3*ap03

324 sequences assigned
318 (98.1%) exact matches, in which:
315 unique CDR3
13 unique J



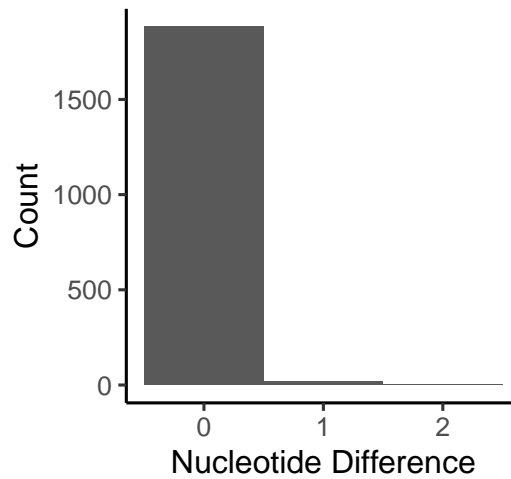
TRBV6-56*ap01

3799 sequences assigned
3737 (98.4%) exact matches, in which:
3684 unique CDR3
13 unique J



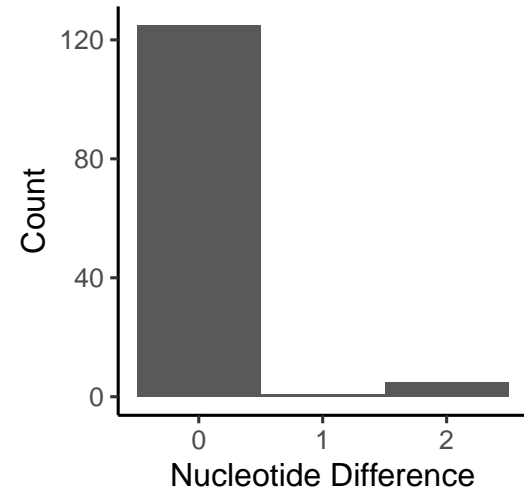
TRBV7-2*ap01

1904 sequences assigned
1882 (98.8%) exact matches, in which:
1863 unique CDR3
13 unique J



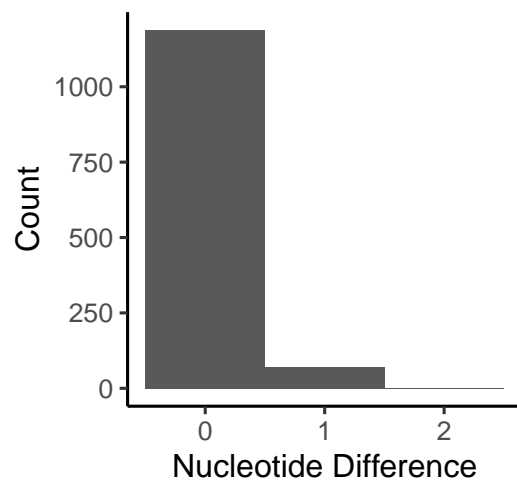
TRBV7-4*ap01

131 sequences assigned
125 (95.4%) exact matches, in which:
124 unique CDR3
13 unique J



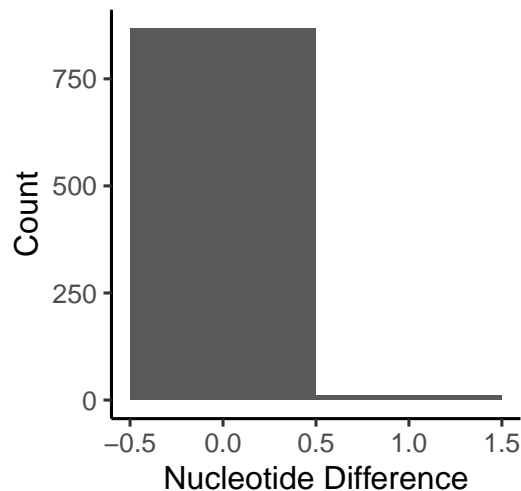
TRBV6-56*ap02

1261 sequences assigned
1188 (94.2%) exact matches, in which:
1167 unique CDR3
13 unique J



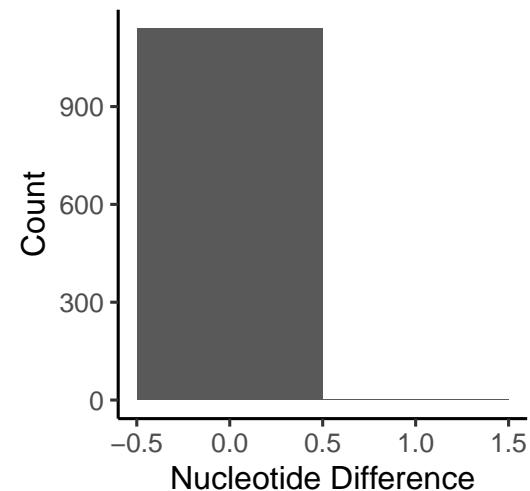
TRBV7-3*ap01

878 sequences assigned
868 (98.9%) exact matches, in which:
854 unique CDR3
13 unique J



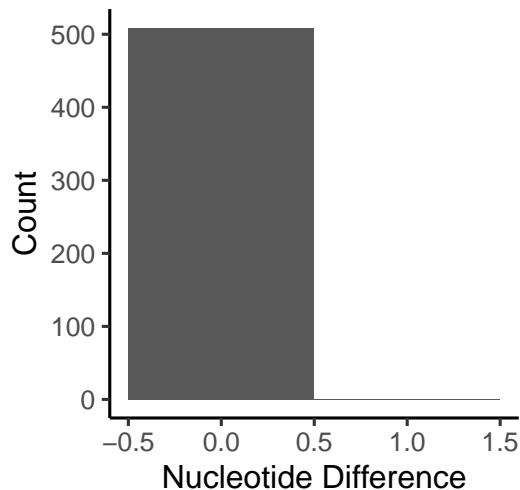
TRBV7-6*ap01

1143 sequences assigned
1140 (99.7%) exact matches, in which:
1121 unique CDR3
13 unique J



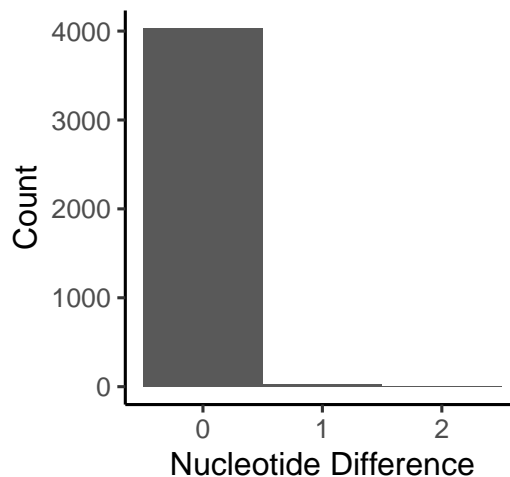
TRBV7-7*ap01_C315T

510 sequences assigned
509 (99.8%) exact matches, in which:
501 unique CDR3
13 unique J



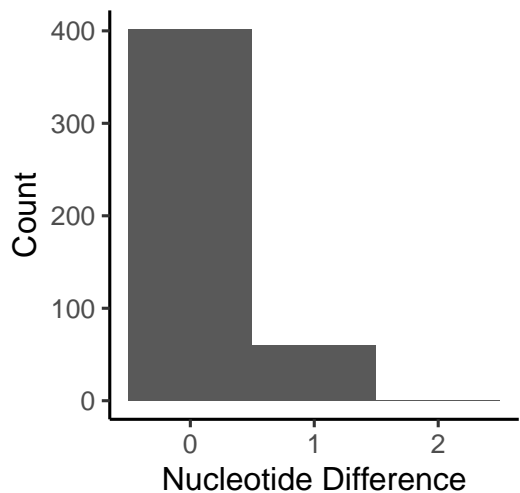
TRBV7-9*ap01

4054 sequences assigned
4030 (99.4%) exact matches, in which:
3986 unique CDR3
13 unique J



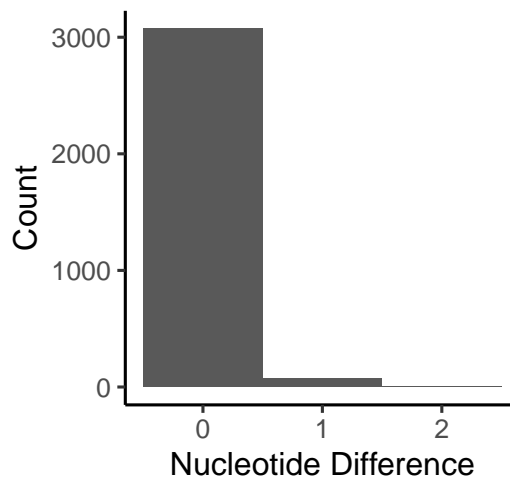
TRBV7-8*ap01

463 sequences assigned
402 (86.8%) exact matches, in which:
395 unique CDR3
13 unique J



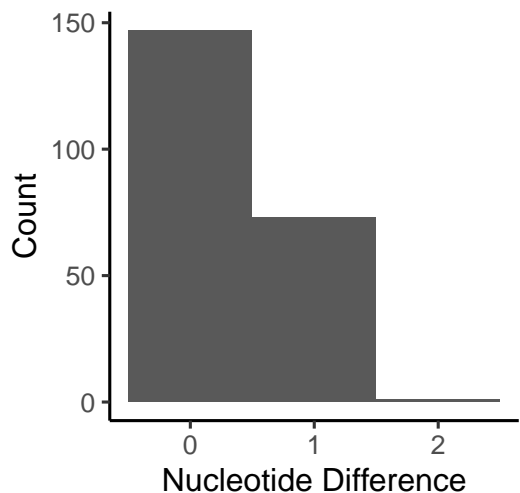
TRBV29-1*ap01

3152 sequences assigned
3073 (97.5%) exact matches, in which:
2950 unique CDR3
13 unique J



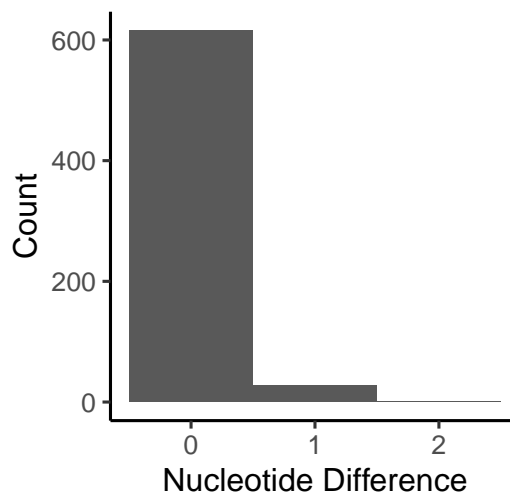
TRBV7-8*ap03

221 sequences assigned
147 (66.5%) exact matches, in which:
147 unique CDR3
12 unique J

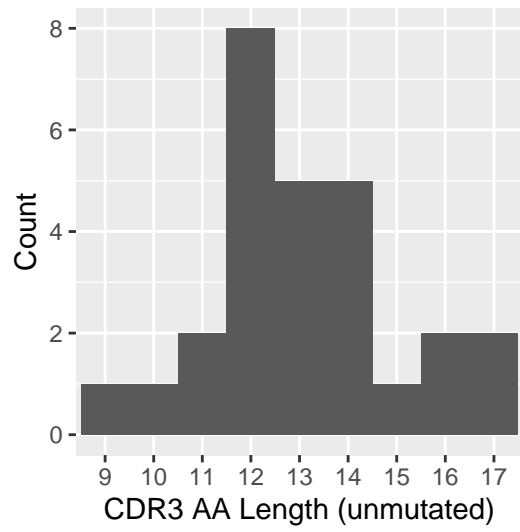


TRBV29-1*ap02

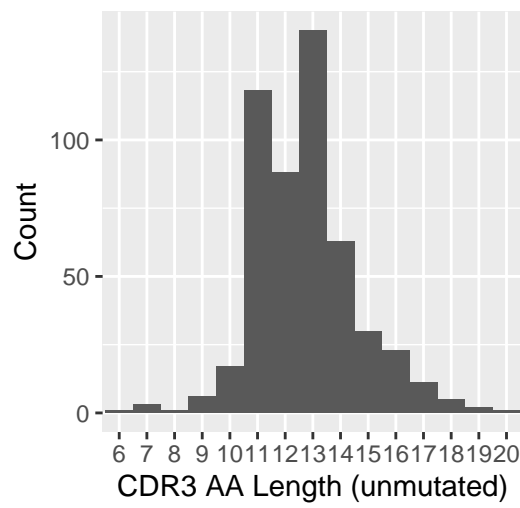
644 sequences assigned
616 (95.7%) exact matches, in which:
589 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]