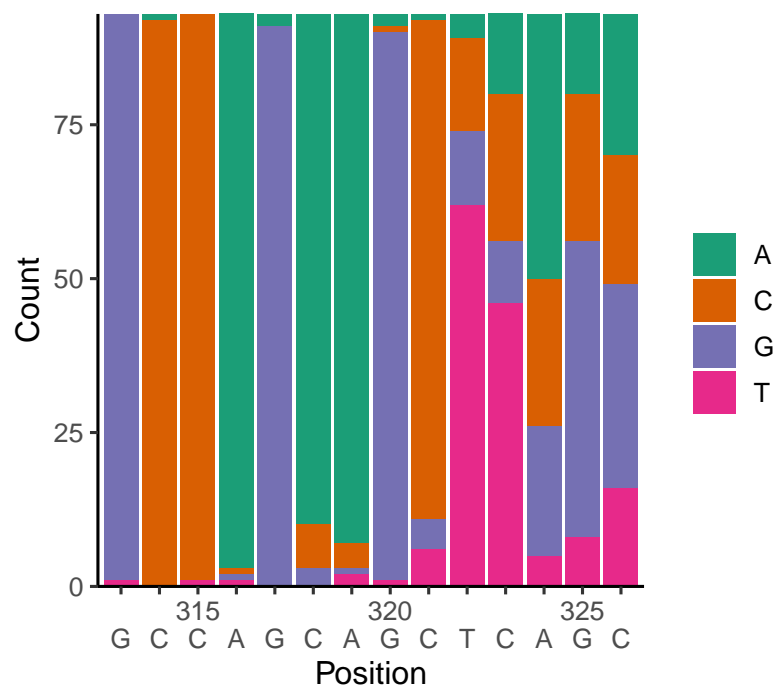
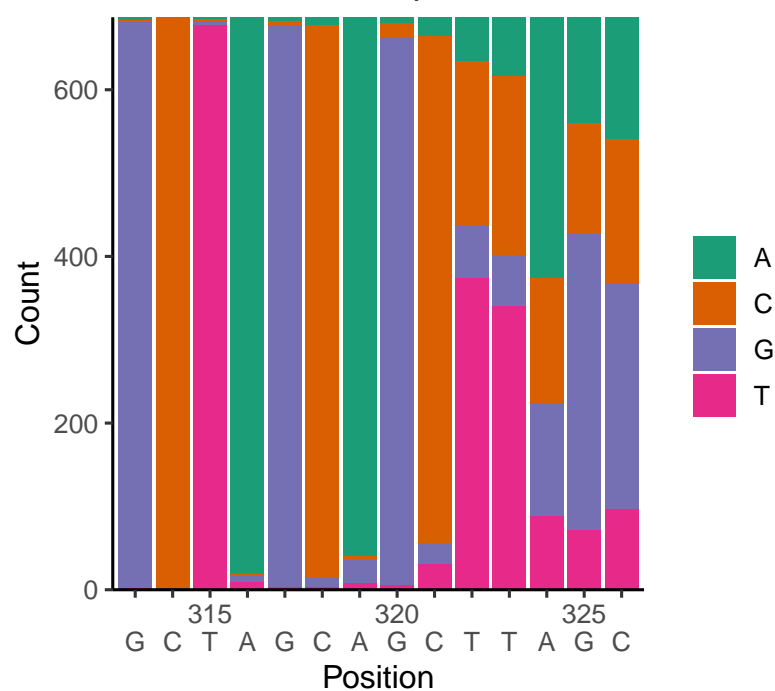


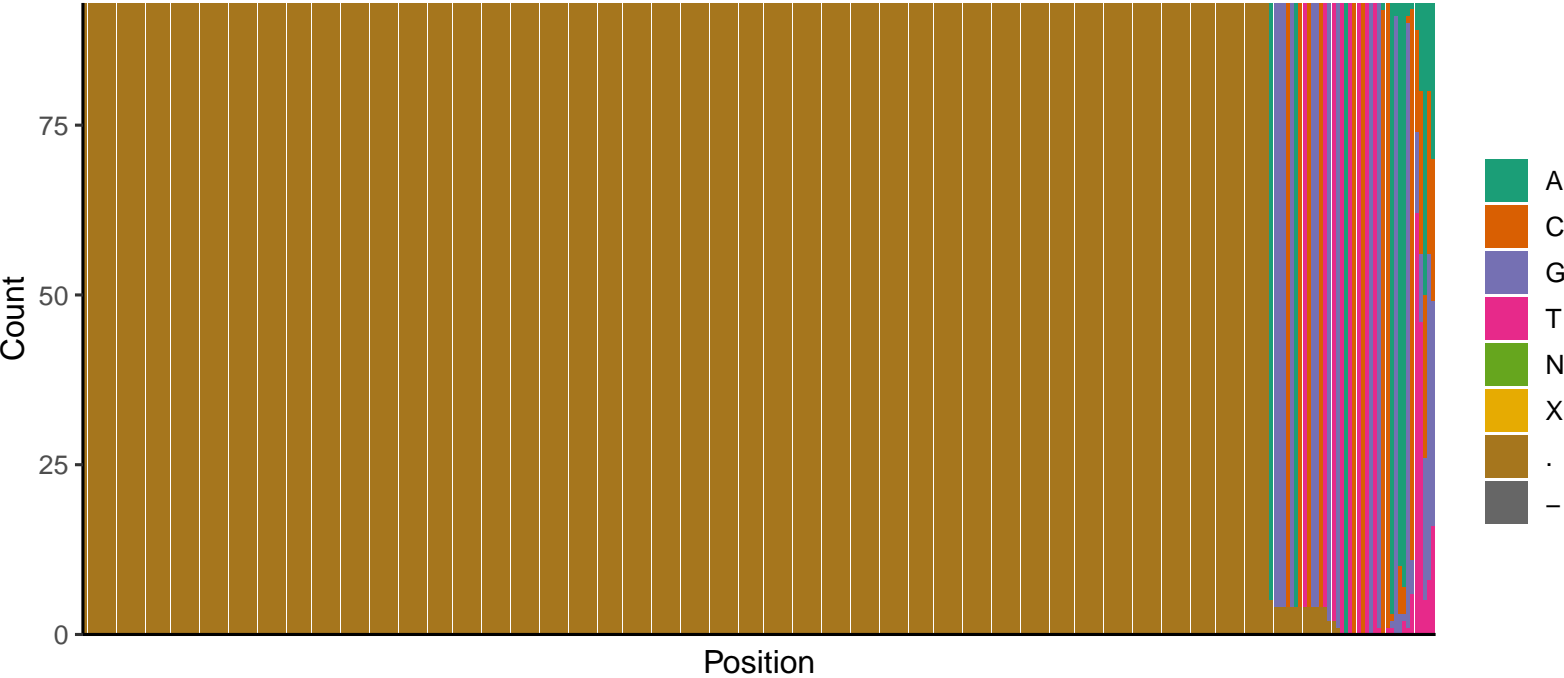
Gene TRBV7-1*ap01_G291C_T296C



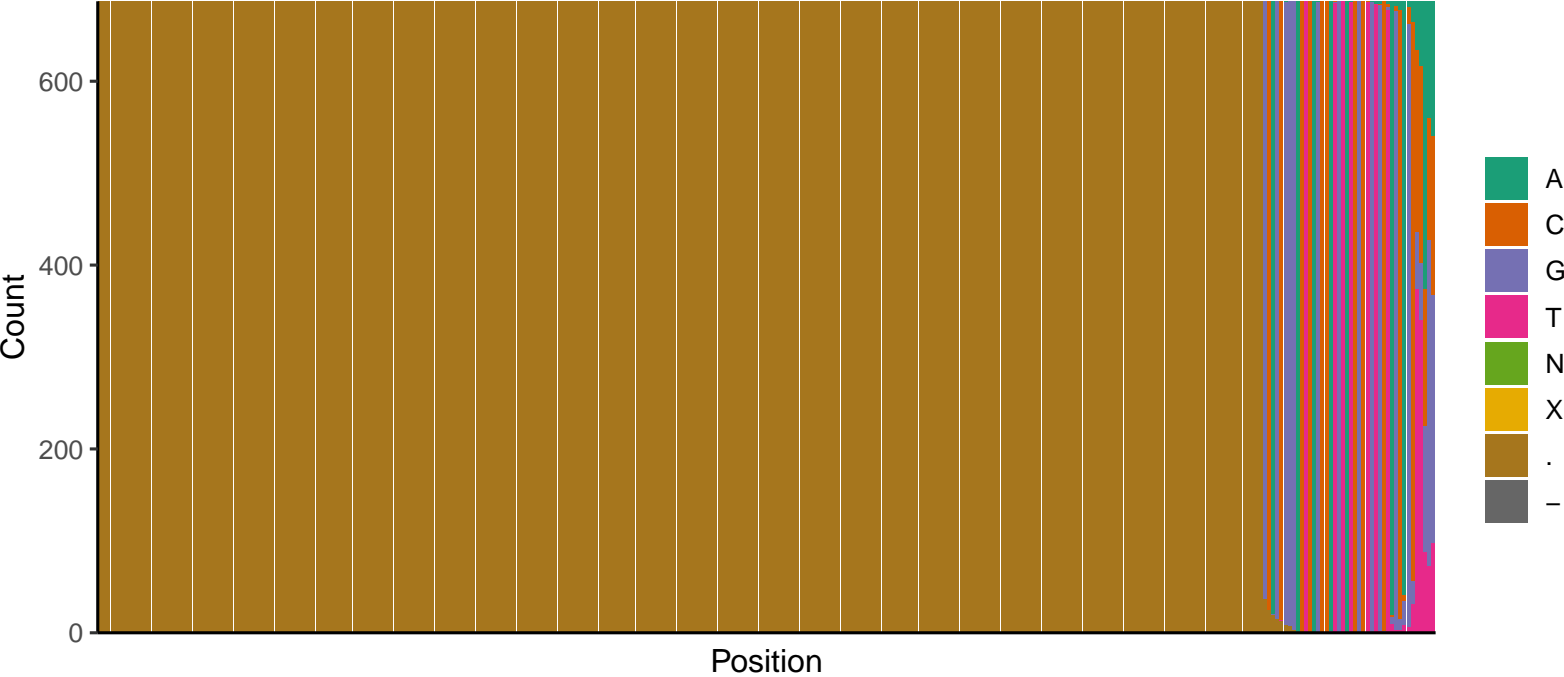
Gene TRBV7-7*ap01_C315T



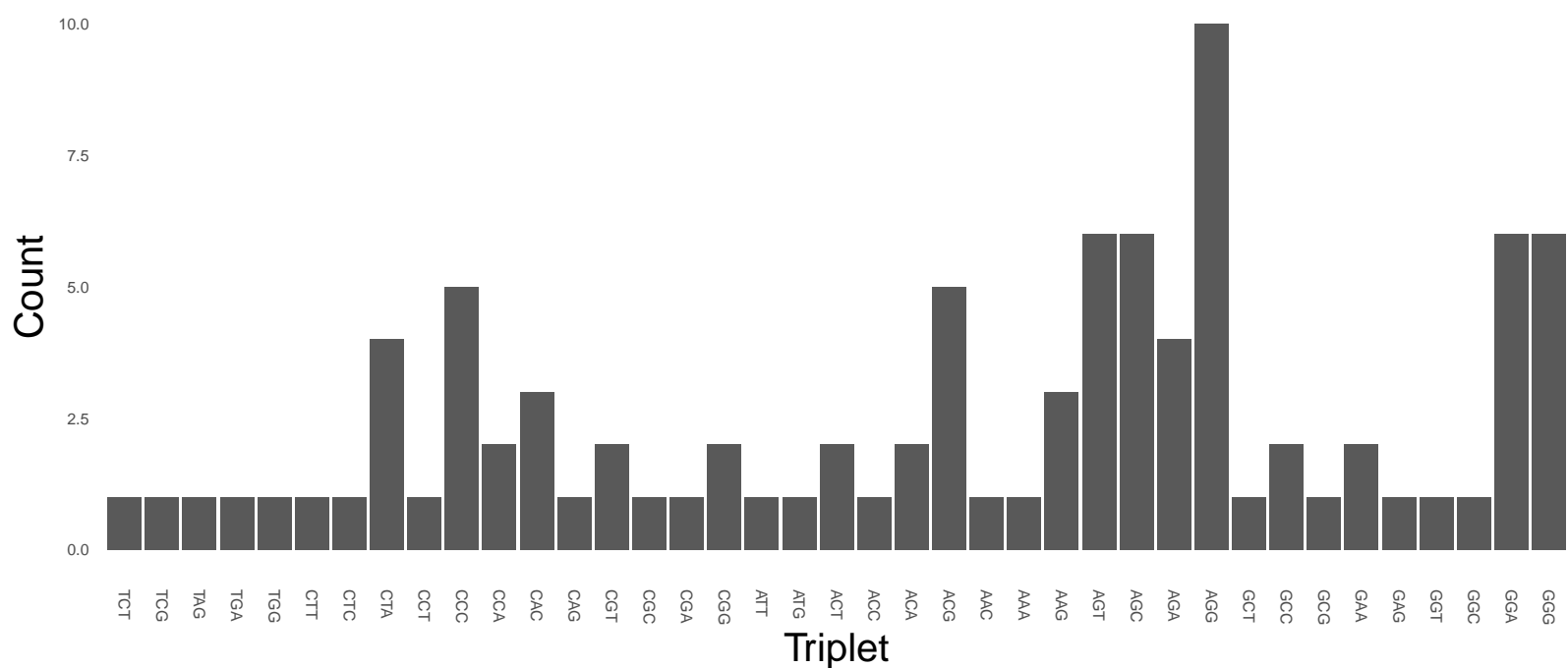
Gene TRBV7-1*ap01_G291C_T296C



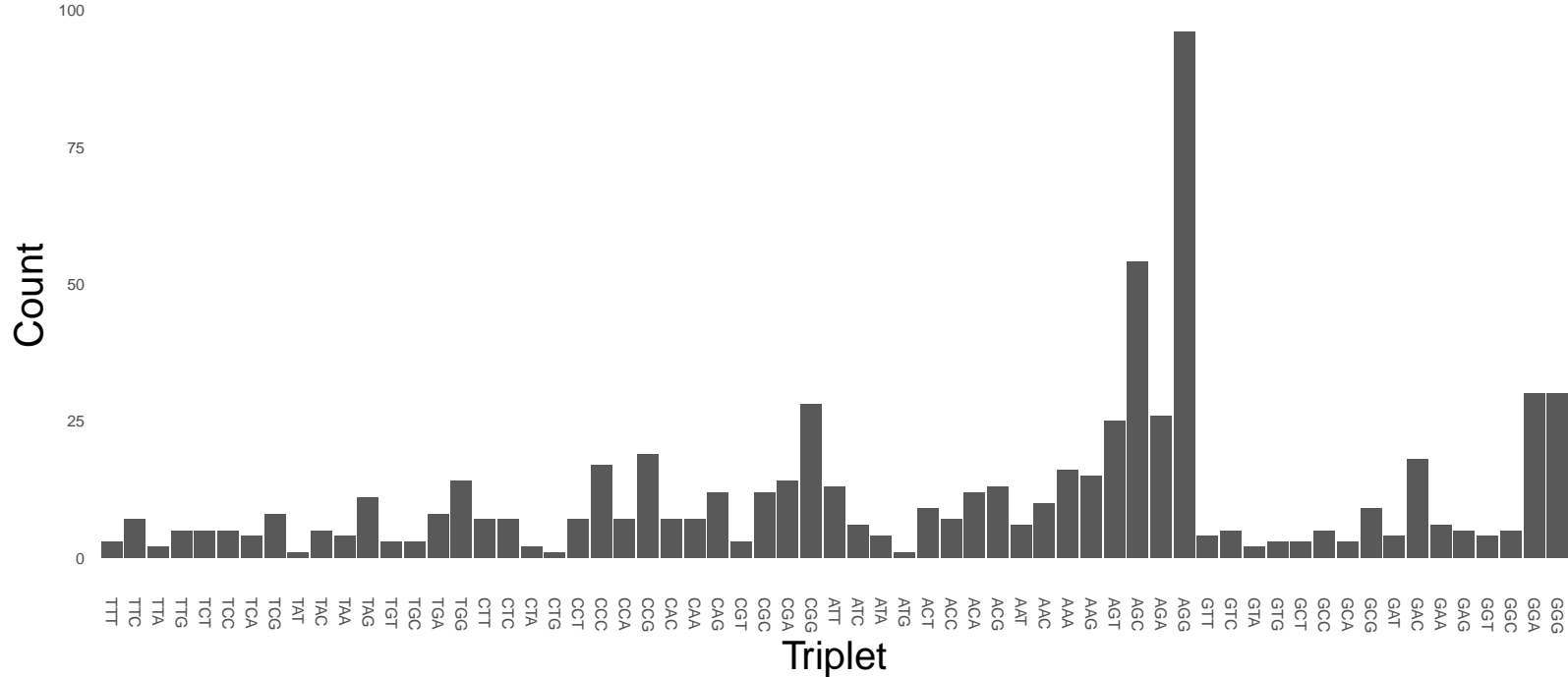
Gene TRBV7-7*ap01_C315T



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

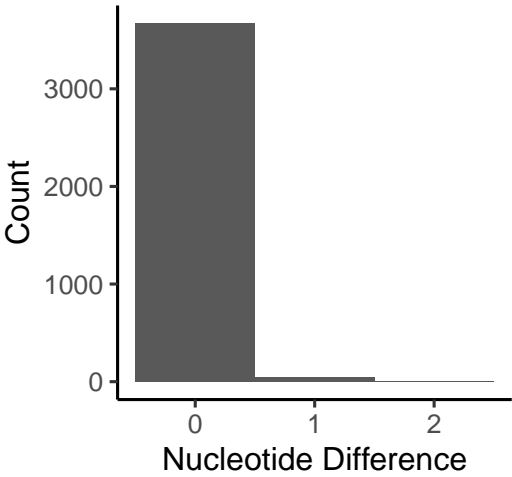


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



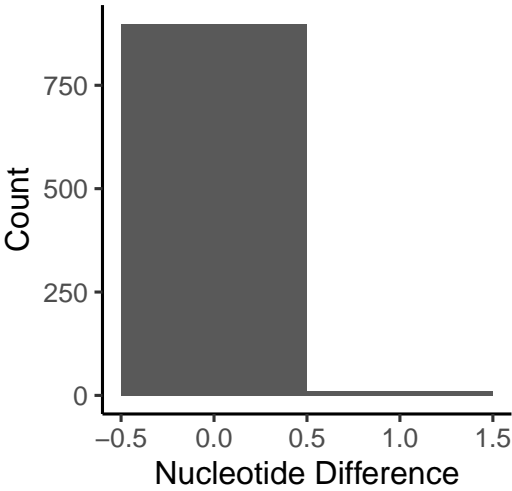
TRBV20-1*ap01

3720 sequences assigned
3670 (98.7%) exact matches, in which:
3621 unique CDR3
13 unique J



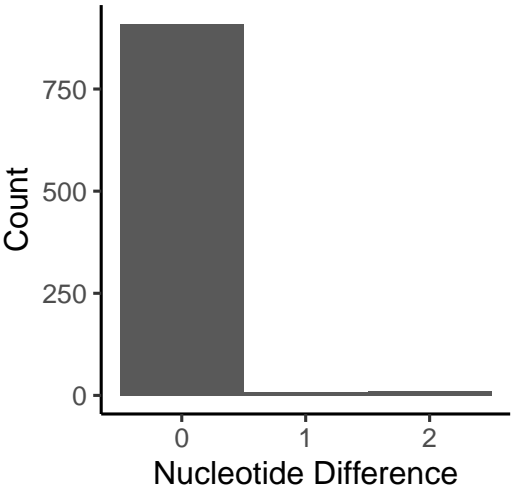
TRBV10-2*ap01

910 sequences assigned
899 (98.8%) exact matches, in which:
877 unique CDR3
13 unique J



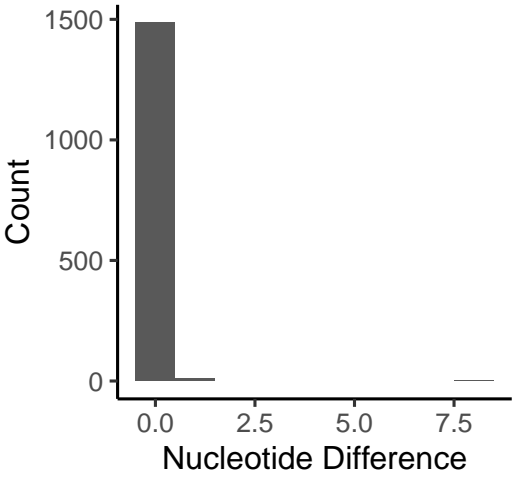
TRBV13*ap01

928 sequences assigned
910 (98.1%) exact matches, in which:
884 unique CDR3
13 unique J



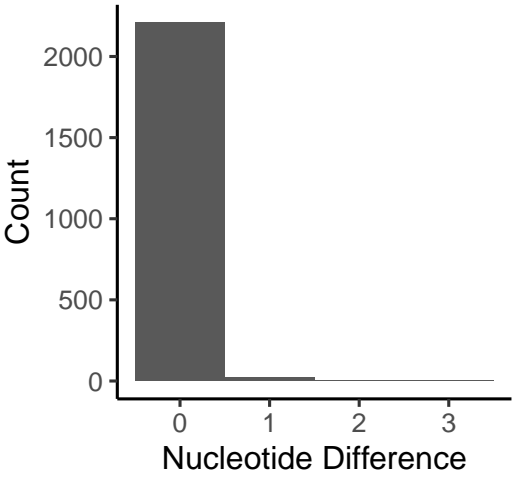
TRBV10-1*ap01

1497 sequences assigned
1486 (99.3%) exact matches, in which:
1458 unique CDR3
13 unique J



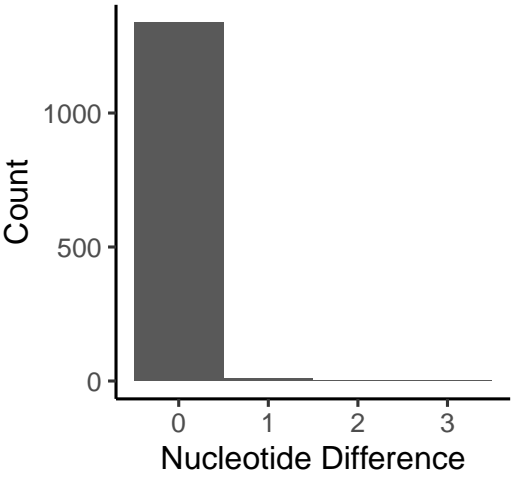
TRBV10-3*ap01

2235 sequences assigned
2208 (98.8%) exact matches, in which:
2172 unique CDR3
13 unique J



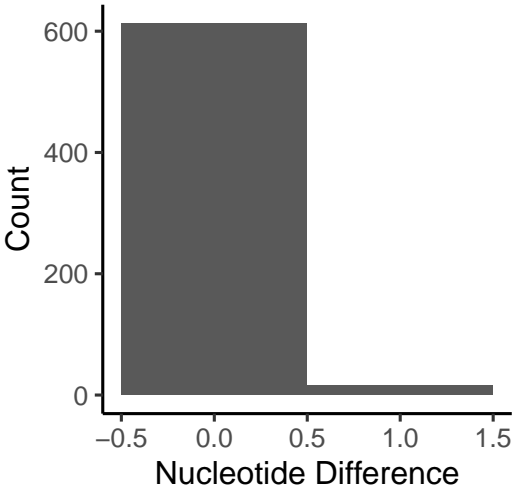
TRBV14*ap01

1347 sequences assigned
1337 (99.3%) exact matches, in which:
1325 unique CDR3
13 unique J



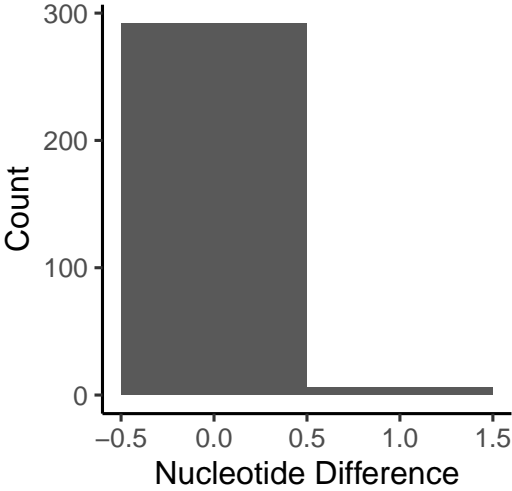
TRBV20-1*ap02

628 sequences assigned
613 (97.6%) exact matches, in which:
605 unique CDR3
13 unique J



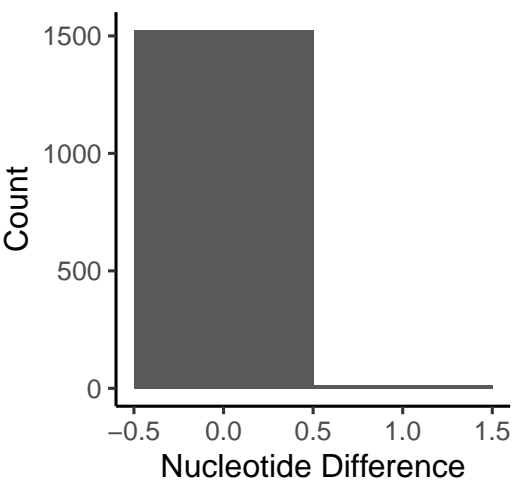
TRBV1*ap01

298 sequences assigned
292 (98%) exact matches, in which:
284 unique CDR3
13 unique J



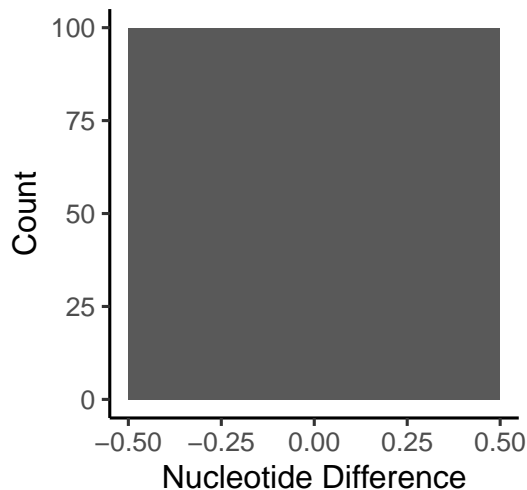
TRBV15*ap02

1540 sequences assigned
1525 (99%) exact matches, in which:
1500 unique CDR3
13 unique J



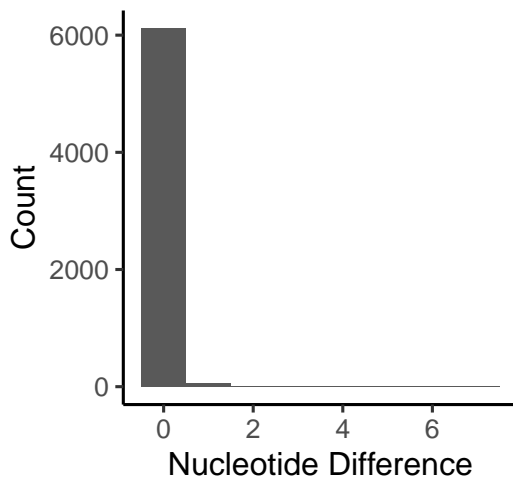
TRBV16*ap01

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



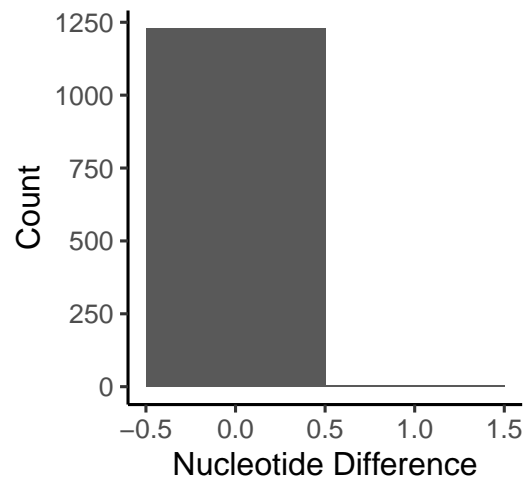
TRBV19*ap01

6194 sequences assigned
6115 (98.7%) exact matches, in which:
6049 unique CDR3
13 unique J



TRBV28*ap01

1235 sequences assigned
1229 (99.5%) exact matches, in which:
1206 unique CDR3
13 unique J



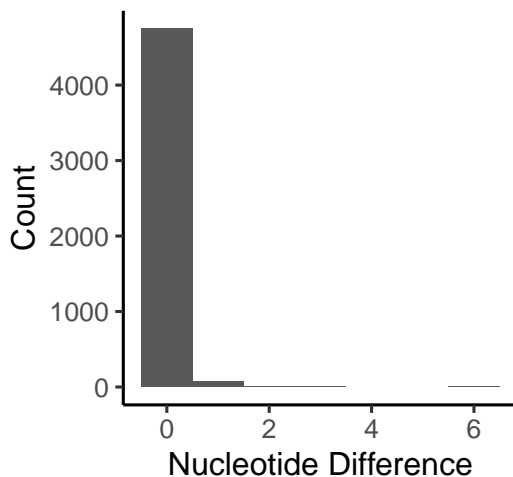
TRBV17*ap01

1 sequences assigned
No exact matches.



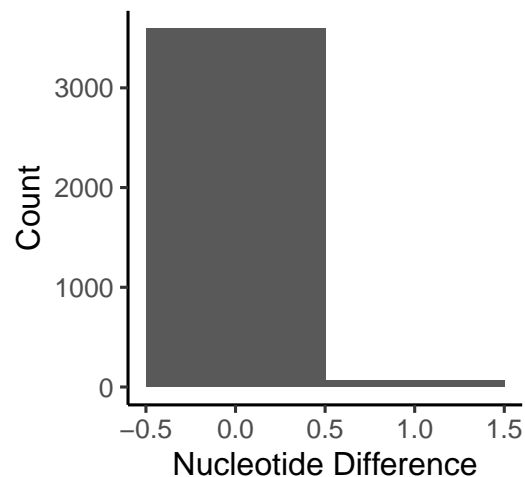
TRBV2*ap01

4833 sequences assigned
4747 (98.2%) exact matches, in which:
4636 unique CDR3
13 unique J



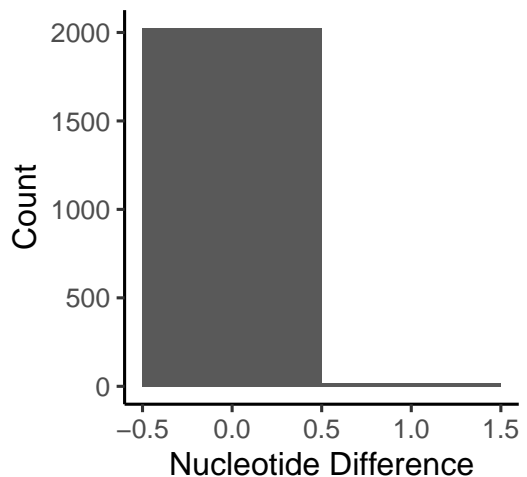
TRBV30*ap01

3656 sequences assigned
3593 (98.3%) exact matches, in which:
3523 unique CDR3
13 unique J



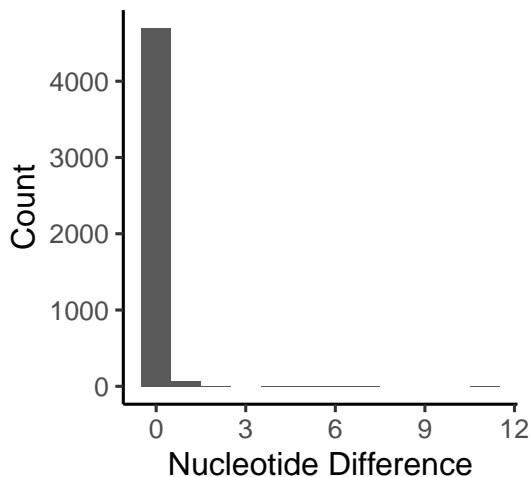
TRBV18*ap01

2042 sequences assigned
2025 (99.2%) exact matches, in which:
2008 unique CDR3
13 unique J



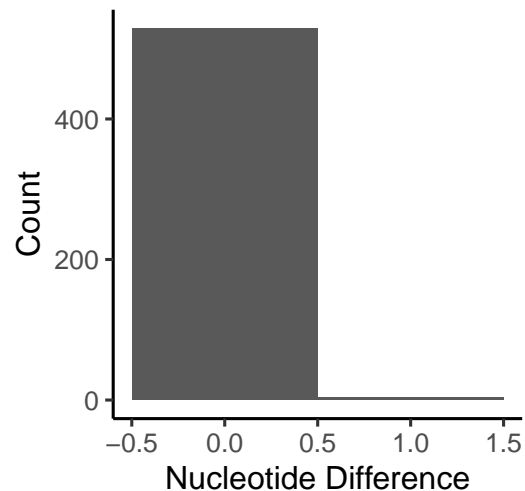
TRBV27*ap01

4775 sequences assigned
4697 (98.4%) exact matches, in which:
4589 unique CDR3
13 unique J



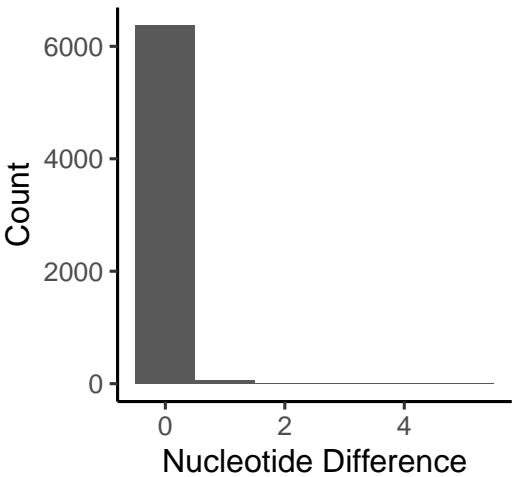
TRBV30*ap03

533 sequences assigned
529 (99.2%) exact matches, in which:
520 unique CDR3
13 unique J



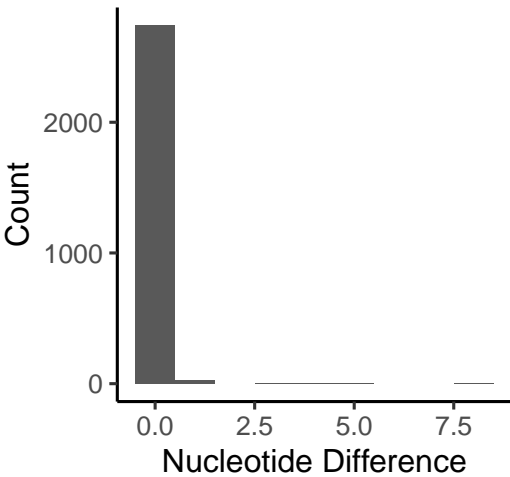
TRBV9*ap01

6435 sequences assigned
6372 (99%) exact matches, in which:
6256 unique CDR3
13 unique J



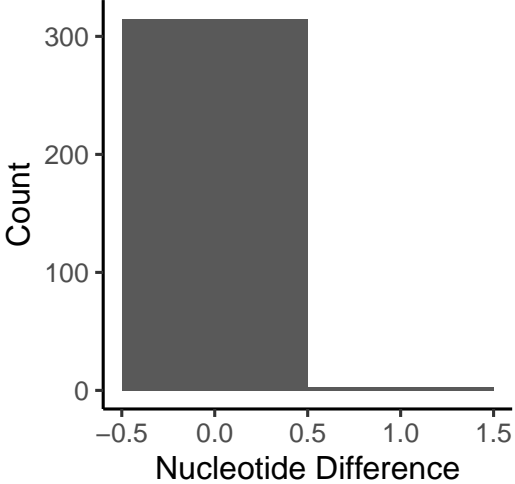
TRBV11-2*ap01

2773 sequences assigned
2741 (98.8%) exact matches, in which:
2704 unique CDR3
13 unique J



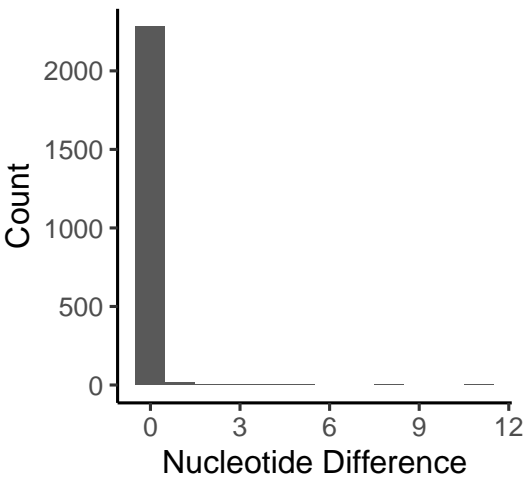
TRBV12-2*ap01

318 sequences assigned
315 (99.1%) exact matches, in which:
308 unique CDR3
13 unique J



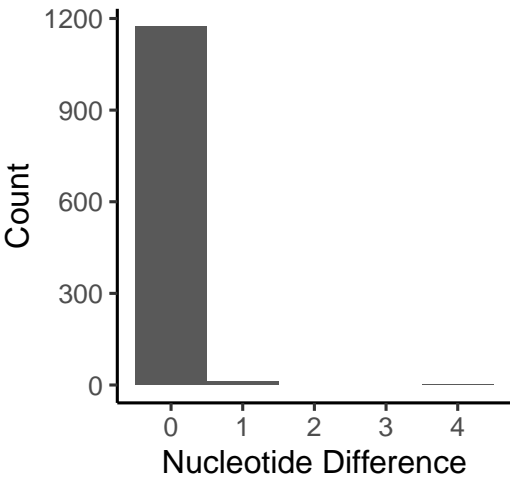
TRBV21-1*ap01

2310 sequences assigned
2281 (98.7%) exact matches, in which:
2253 unique CDR3
13 unique J



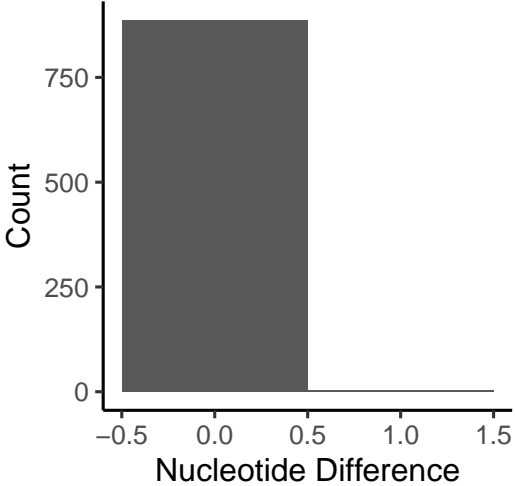
TRBV11-3*ap01

1186 sequences assigned
1173 (98.9%) exact matches, in which:
1159 unique CDR3
13 unique J



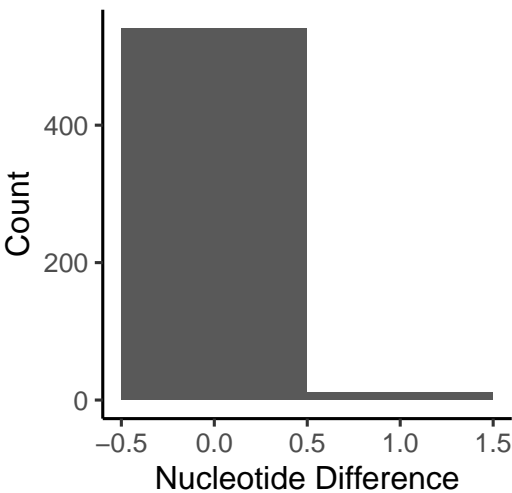
TRBV12-5*ap01

891 sequences assigned
887 (99.6%) exact matches, in which:
872 unique CDR3
13 unique J



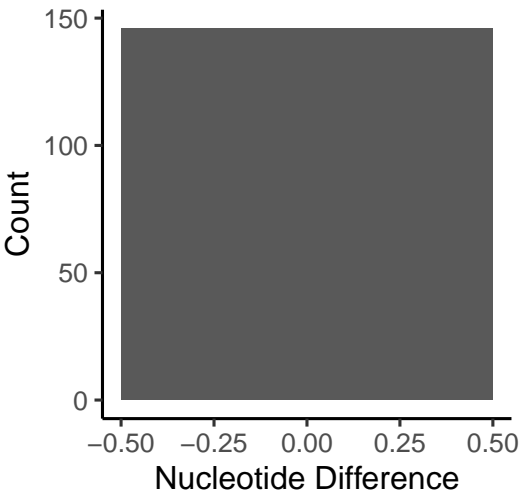
TRBV11-1*ap01

552 sequences assigned
541 (98%) exact matches, in which:
534 unique CDR3
13 unique J



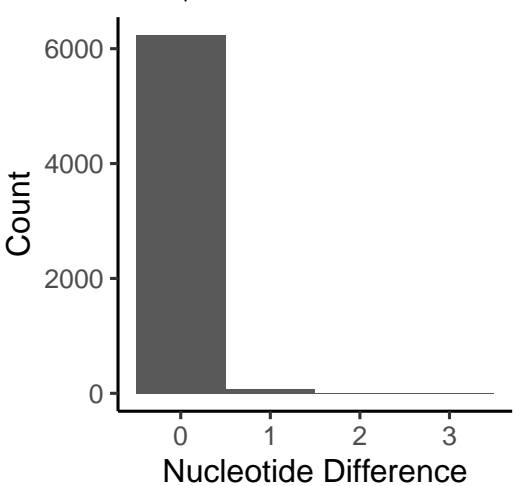
TRBV12-1*ap01

146 sequences assigned
146 (100%) exact matches, in which:
144 unique CDR3
12 unique J



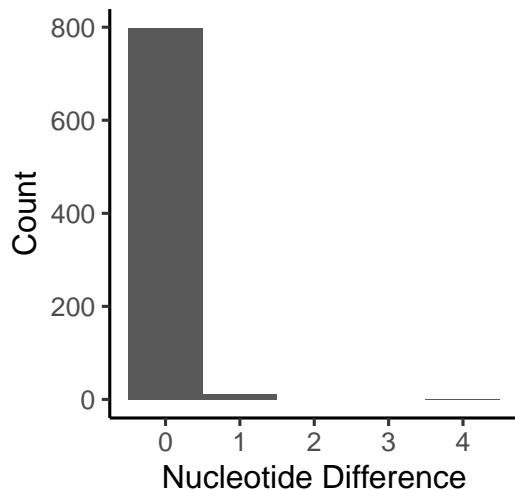
TRBV12-34*ap01

6320 sequences assigned
6237 (98.7%) exact matches, in which:
6137 unique CDR3
13 unique J



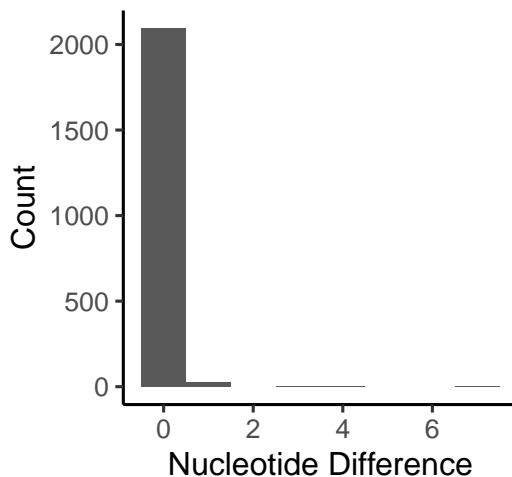
TRBV23–1*ap01

811 sequences assigned
799 (98.5%) exact matches, in which:
793 unique CDR3
13 unique J



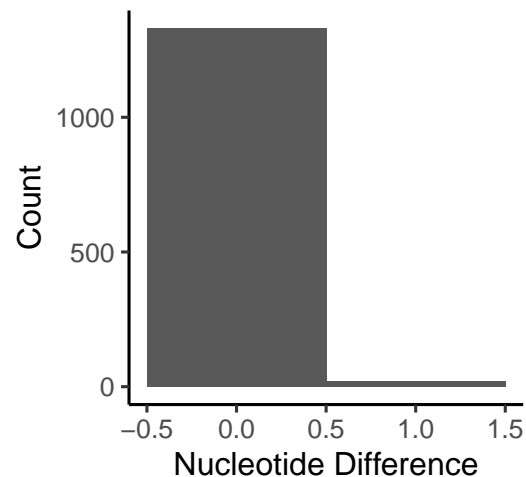
TRBV24–1*ap01

2123 sequences assigned
2094 (98.6%) exact matches, in which:
2057 unique CDR3
13 unique J



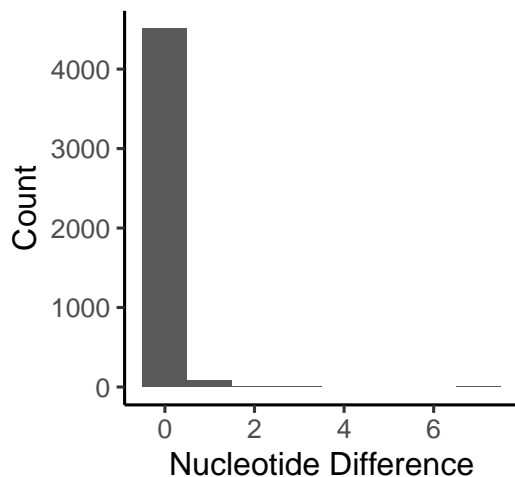
TRBV25–1*ap01

1349 sequences assigned
1330 (98.6%) exact matches, in which:
1308 unique CDR3
13 unique J



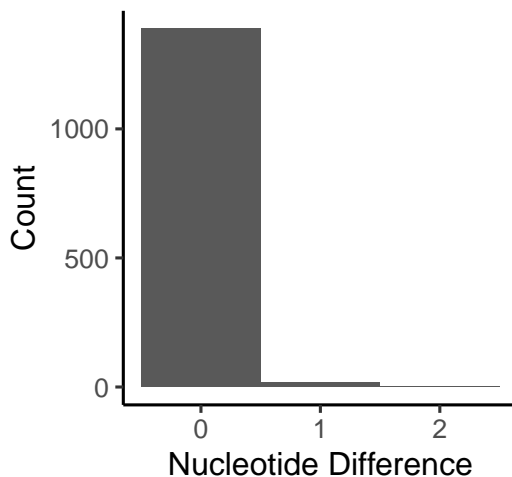
TRBV3–12*ap01

4592 sequences assigned
4508 (98.2%) exact matches, in which:
4399 unique CDR3
13 unique J



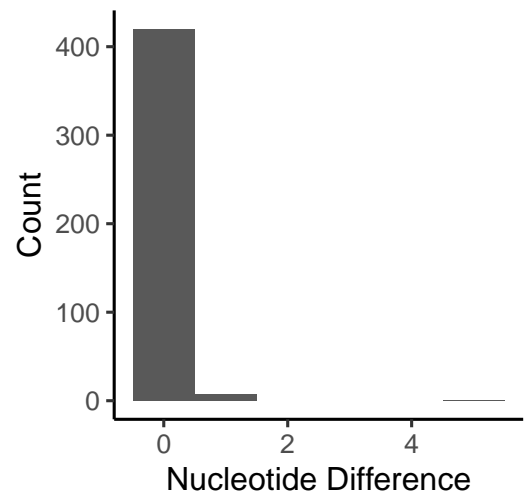
TRBV4–2*ap01

1408 sequences assigned
1388 (98.6%) exact matches, in which:
1361 unique CDR3
13 unique J



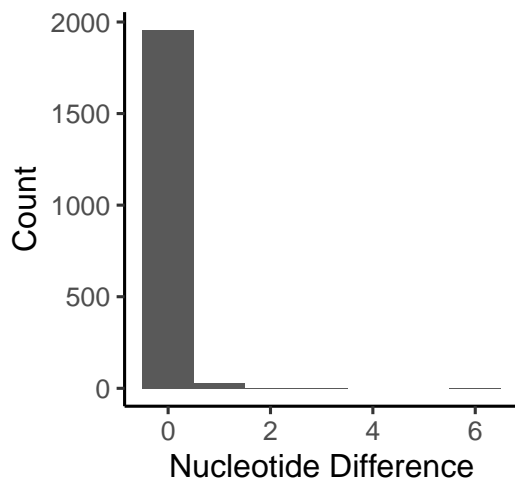
TRBV5–3*ap01

428 sequences assigned
420 (98.1%) exact matches, in which:
414 unique CDR3
13 unique J



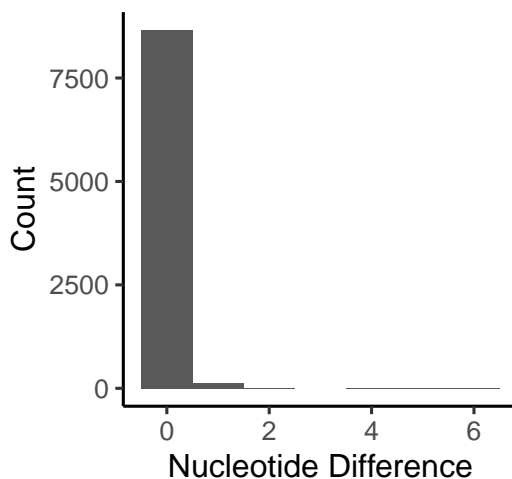
TRBV4–1*ap01

1988 sequences assigned
1956 (98.4%) exact matches, in which:
1915 unique CDR3
13 unique J



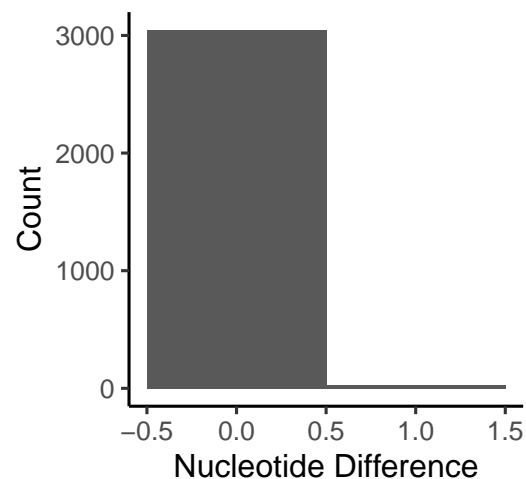
TRBV5–1*ap01

8808 sequences assigned
8659 (98.3%) exact matches, in which:
8428 unique CDR3
14 unique J



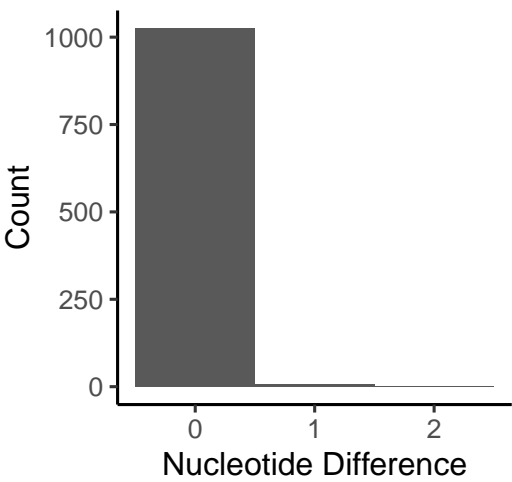
TRBV5–4*ap01

3076 sequences assigned
3046 (99%) exact matches, in which:
2984 unique CDR3
13 unique J



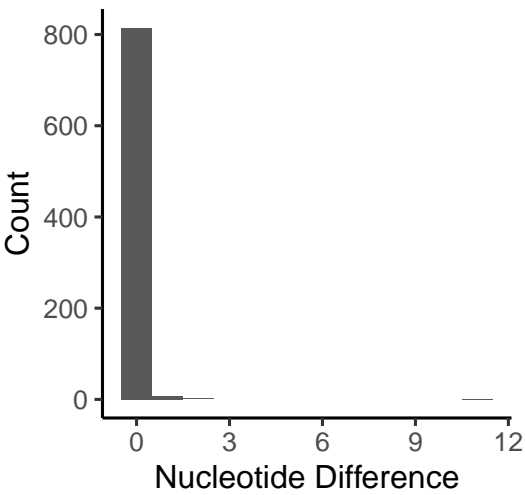
TRBV5-5*ap01

1035 sequences assigned
1025 (99%) exact matches, in which:
1009 unique CDR3
13 unique J



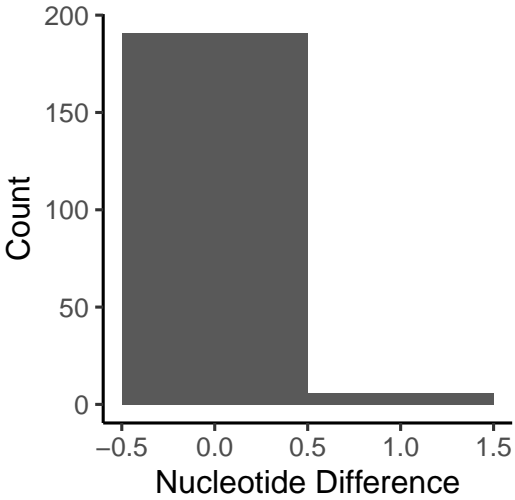
TRBV5-8*ap01

826 sequences assigned
815 (98.7%) exact matches, in which:
803 unique CDR3
13 unique J



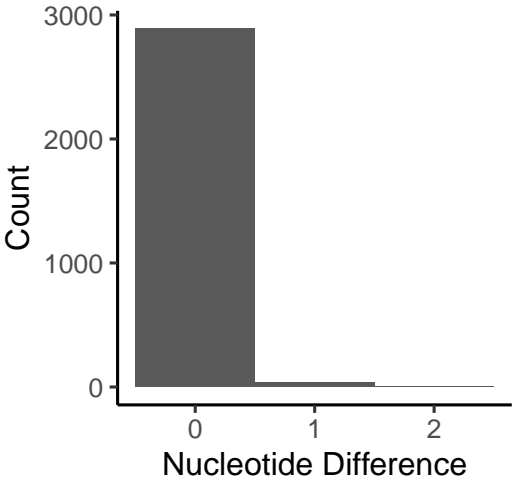
TRBV6-7*ap01

197 sequences assigned
191 (97%) exact matches, in which:
187 unique CDR3
13 unique J



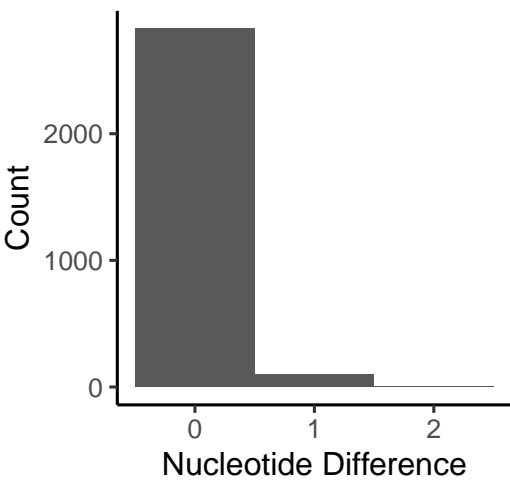
TRBV5-6*ap01

2924 sequences assigned
2889 (98.8%) exact matches, in which:
2809 unique CDR3
13 unique J



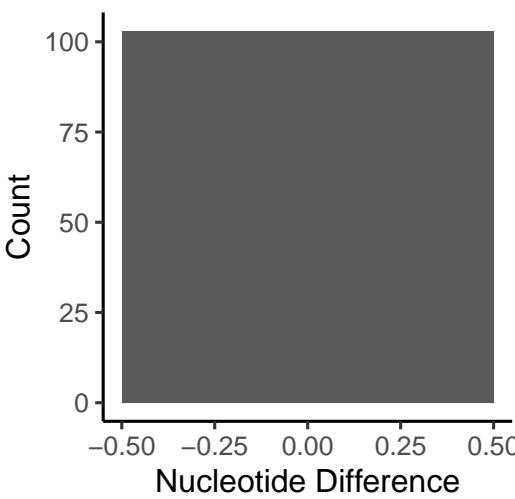
TRBV6-1*ap01

2928 sequences assigned
2829 (96.6%) exact matches, in which:
2771 unique CDR3
13 unique J



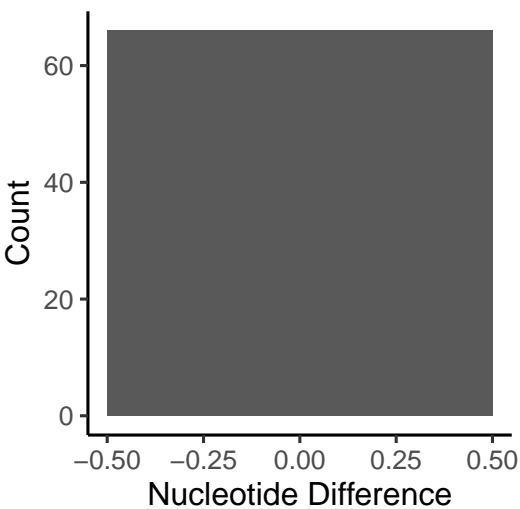
TRBV6-8*ap01

103 sequences assigned
103 (100%) exact matches, in which:
99 unique CDR3
12 unique J



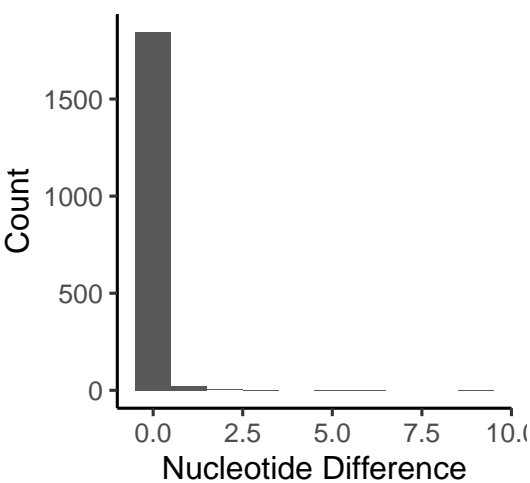
TRBV5-7*ap01

66 sequences assigned
66 (100%) exact matches, in which:
65 unique CDR3
11 unique J



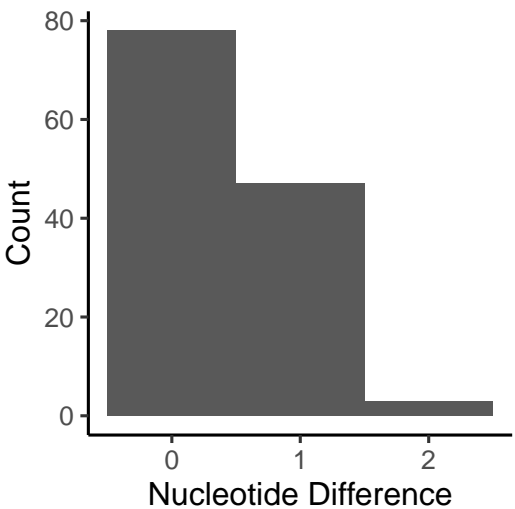
TRBV6-4*ap01

1877 sequences assigned
1845 (98.3%) exact matches, in which:
1813 unique CDR3
13 unique J



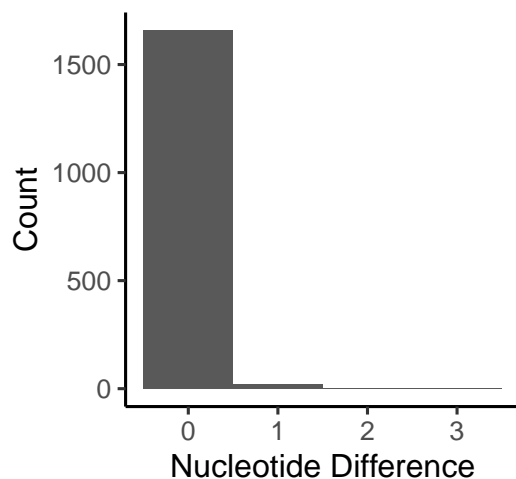
TRBV6-9*ap01

128 sequences assigned
78 (60.9%) exact matches, in which:
76 unique CDR3
12 unique J



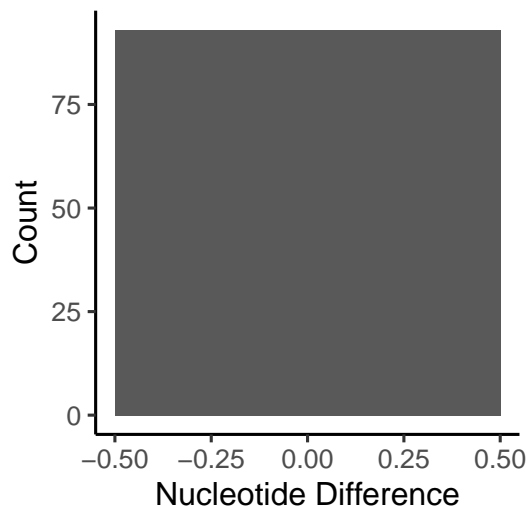
TRBV6-23*ap01

1681 sequences assigned
1658 (98.6%) exact matches, in which:
1618 unique CDR3
13 unique J



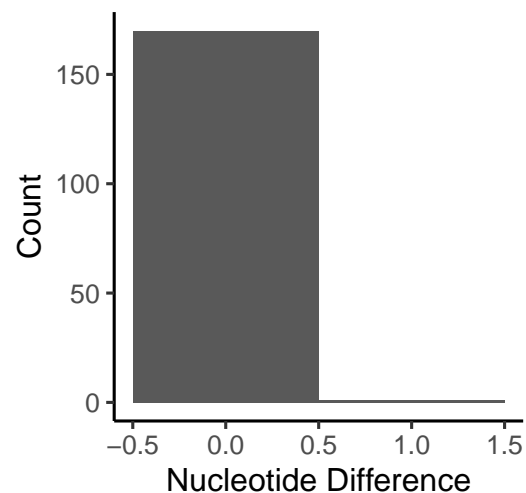
TRBV7-1*ap01_G291C_T

93 sequences assigned
93 (100%) exact matches, in which:
93 unique CDR3
13 unique J



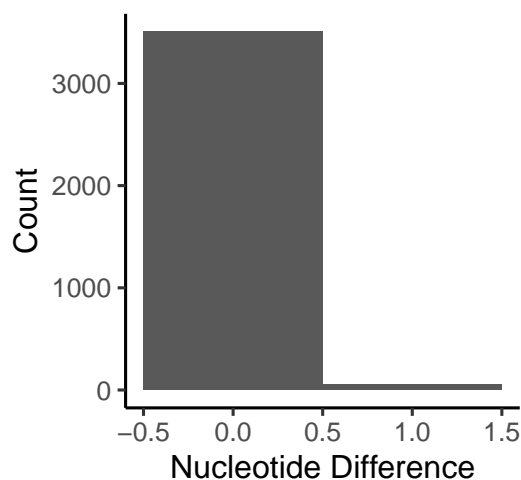
TRBV7-4*ap01

171 sequences assigned
170 (99.4%) exact matches, in which:
167 unique CDR3
13 unique J



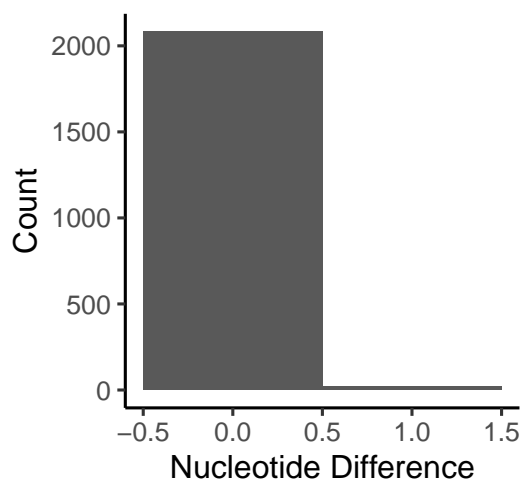
TRBV6-56*ap01

3556 sequences assigned
3506 (98.6%) exact matches, in which:
3433 unique CDR3
13 unique J



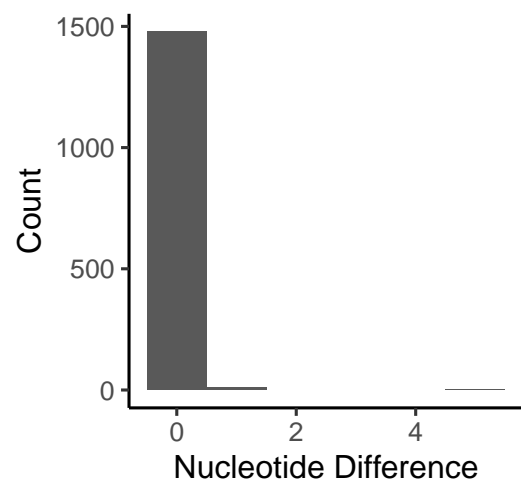
TRBV7-2*ap01

2103 sequences assigned
2082 (99%) exact matches, in which:
2052 unique CDR3
13 unique J



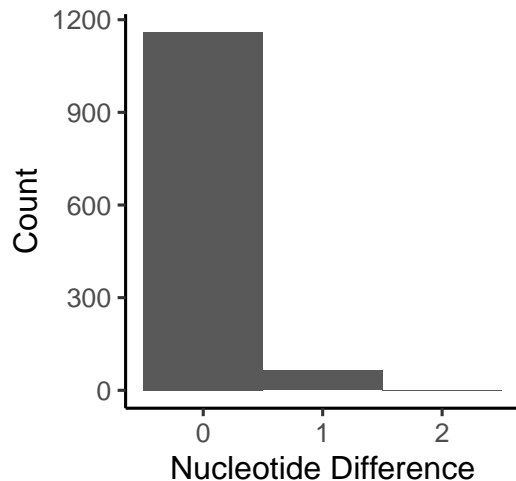
TRBV7-6*ap01

1491 sequences assigned
1478 (99.1%) exact matches, in which:
1441 unique CDR3
14 unique J



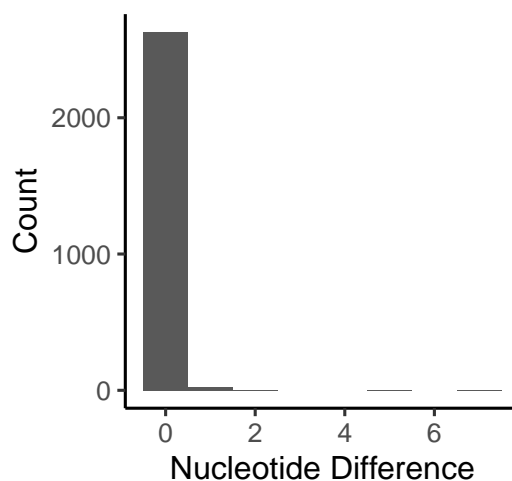
TRBV6-56*ap02

1225 sequences assigned
1160 (94.7%) exact matches, in which:
1134 unique CDR3
13 unique J



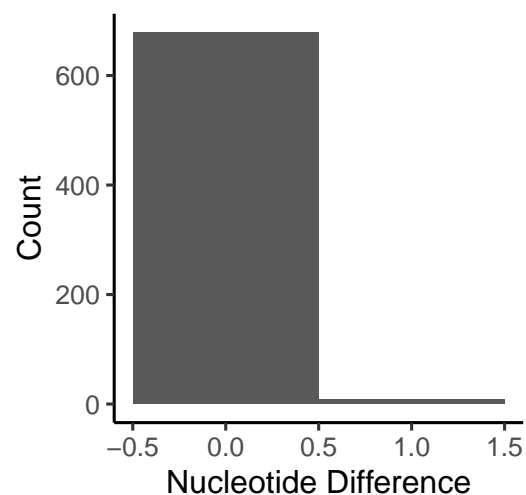
TRBV7-3*ap01

2662 sequences assigned
2629 (98.8%) exact matches, in which:
2590 unique CDR3
13 unique J



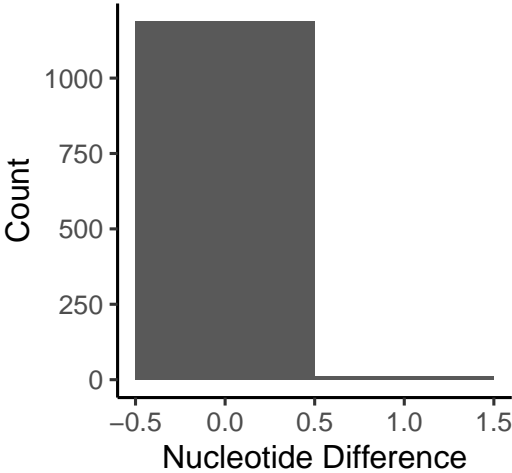
TRBV7-7*ap01_C315T

687 sequences assigned
679 (98.8%) exact matches, in which:
672 unique CDR3
13 unique J



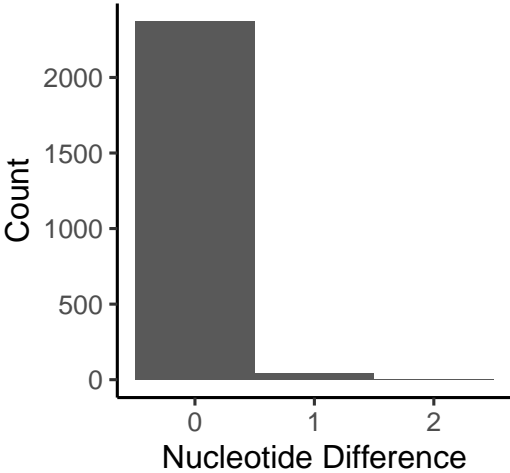
TRBV7-8*ap01

1198 sequences assigned
1188 (99.2%) exact matches, in which:
1170 unique CDR3
13 unique J



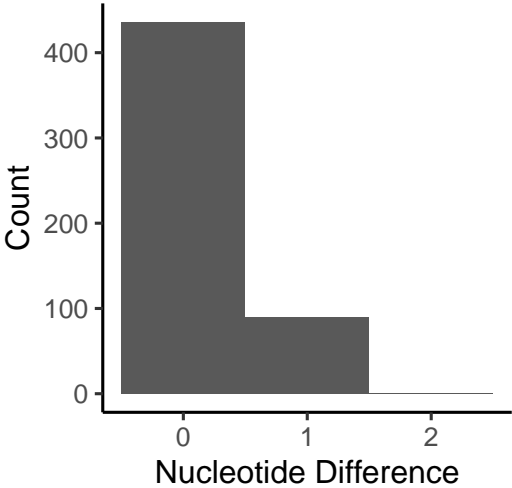
TRBV29-1*ap01

2413 sequences assigned
2371 (98.3%) exact matches, in which:
2311 unique CDR3
13 unique J



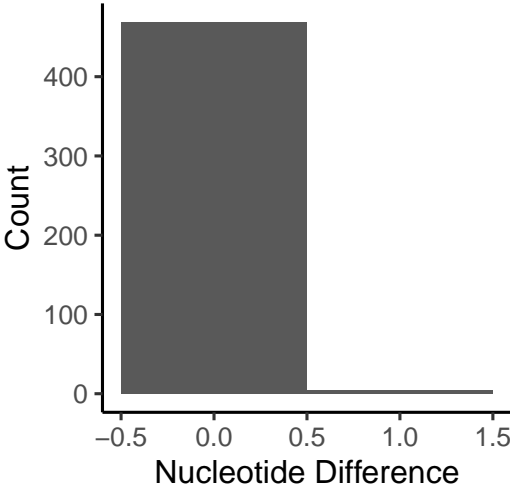
TRBV7-8*ap03

527 sequences assigned
436 (82.7%) exact matches, in which:
423 unique CDR3
13 unique J



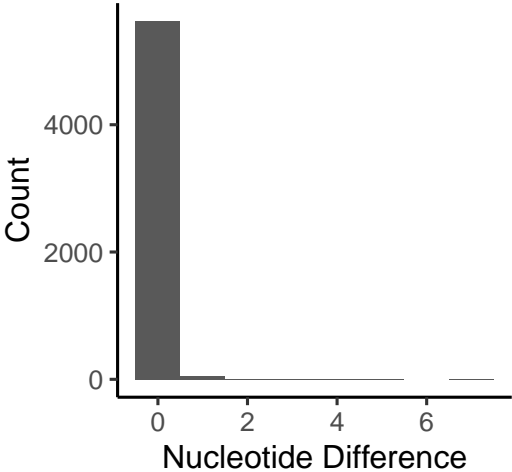
TRBV29-1*ap02

473 sequences assigned
469 (99.2%) exact matches, in which:
461 unique CDR3
13 unique J

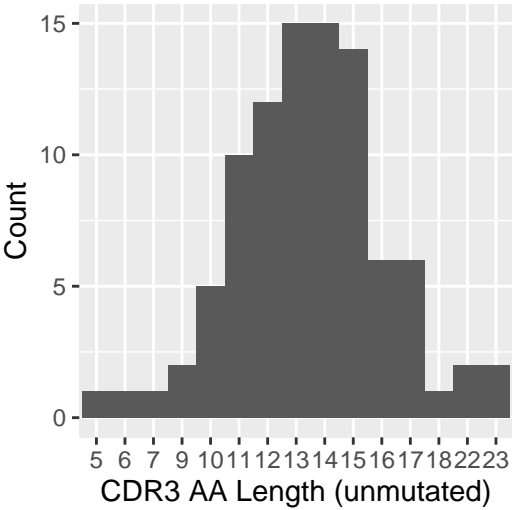


TRBV7-9*ap01

5702 sequences assigned
5629 (98.7%) exact matches, in which:
5557 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

