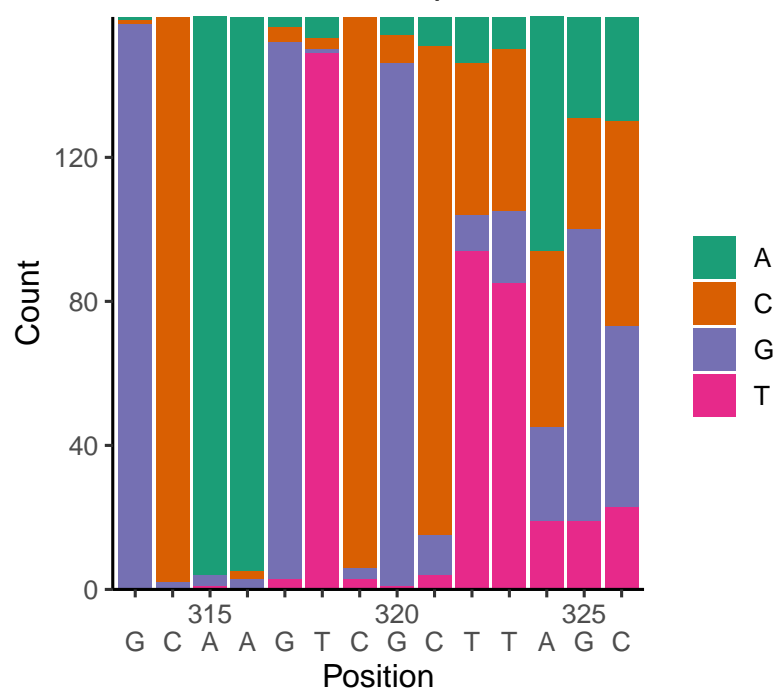
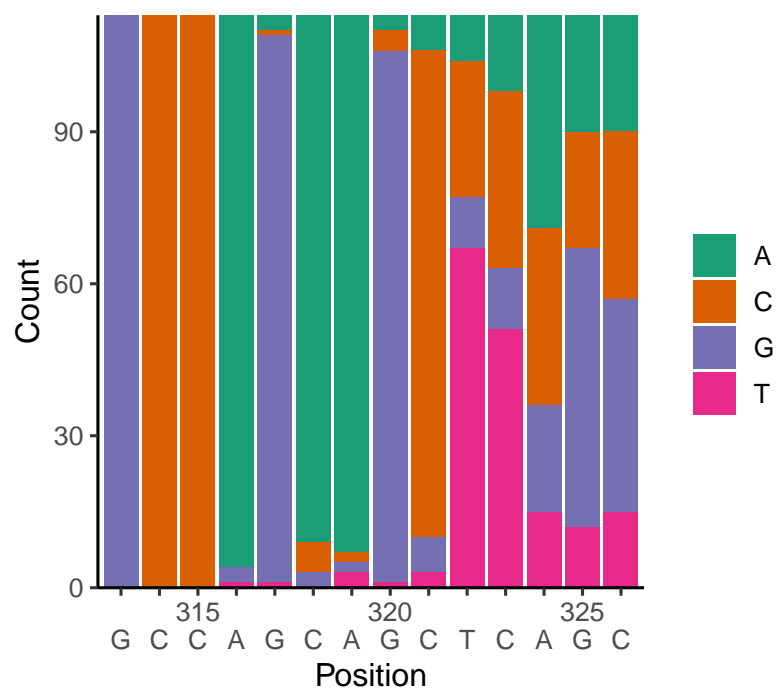


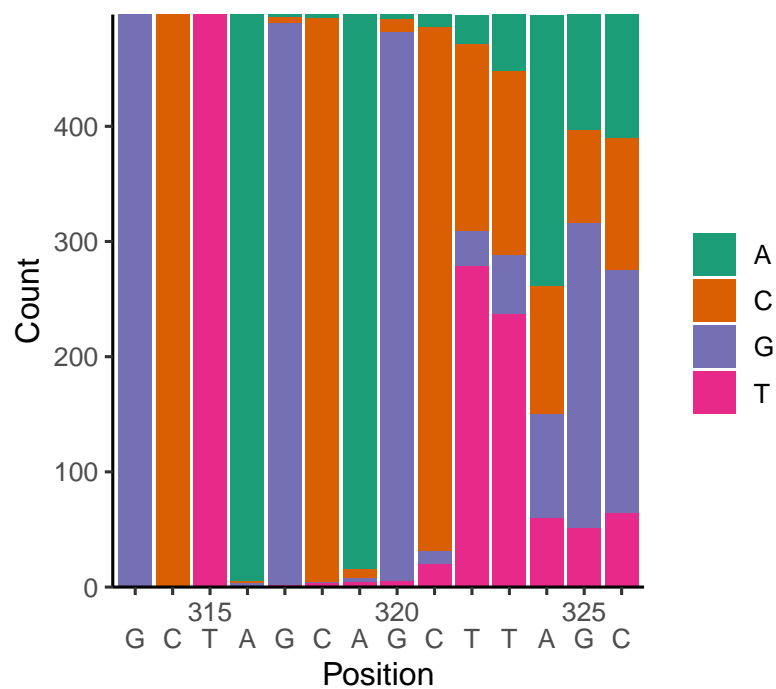
Gene TRBV12-2*ap01_G301A



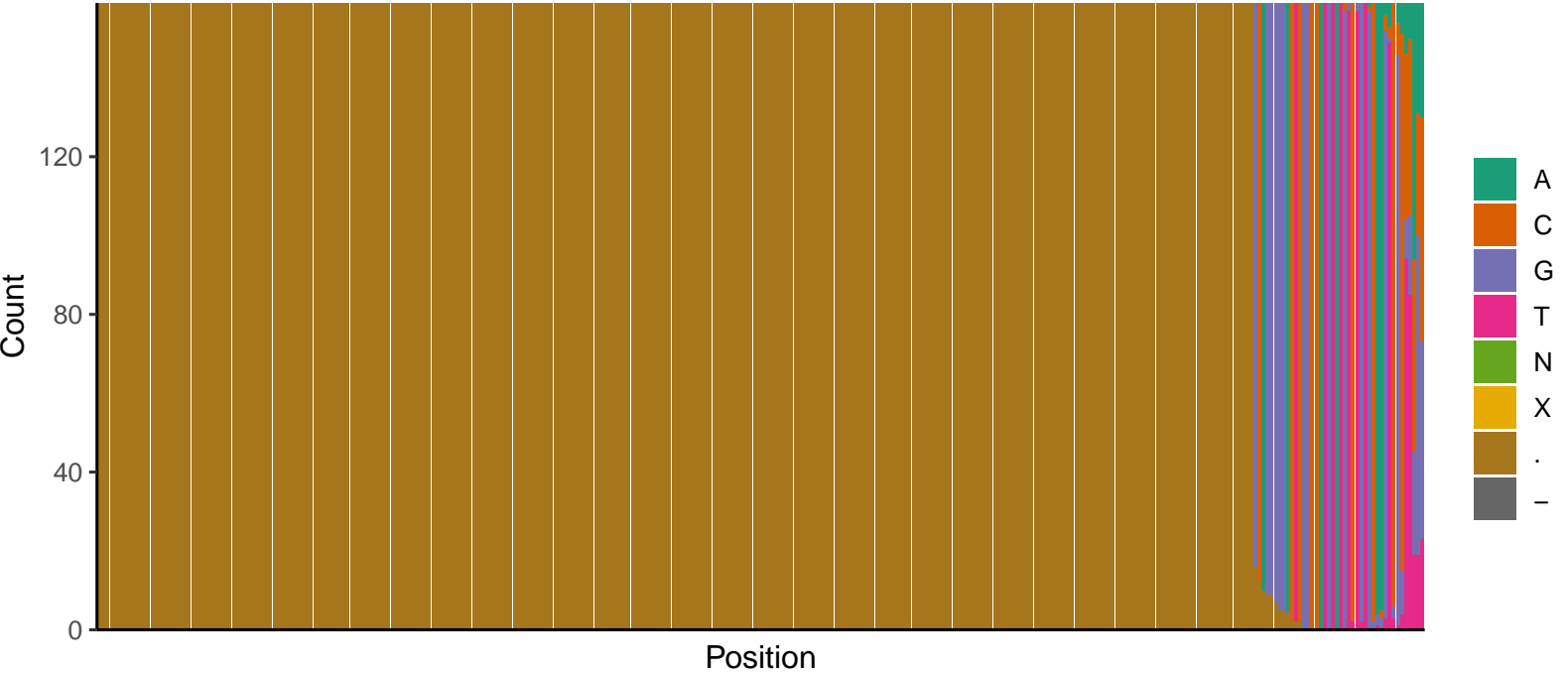
Gene TRBV7-1*ap01_G291C_T296C



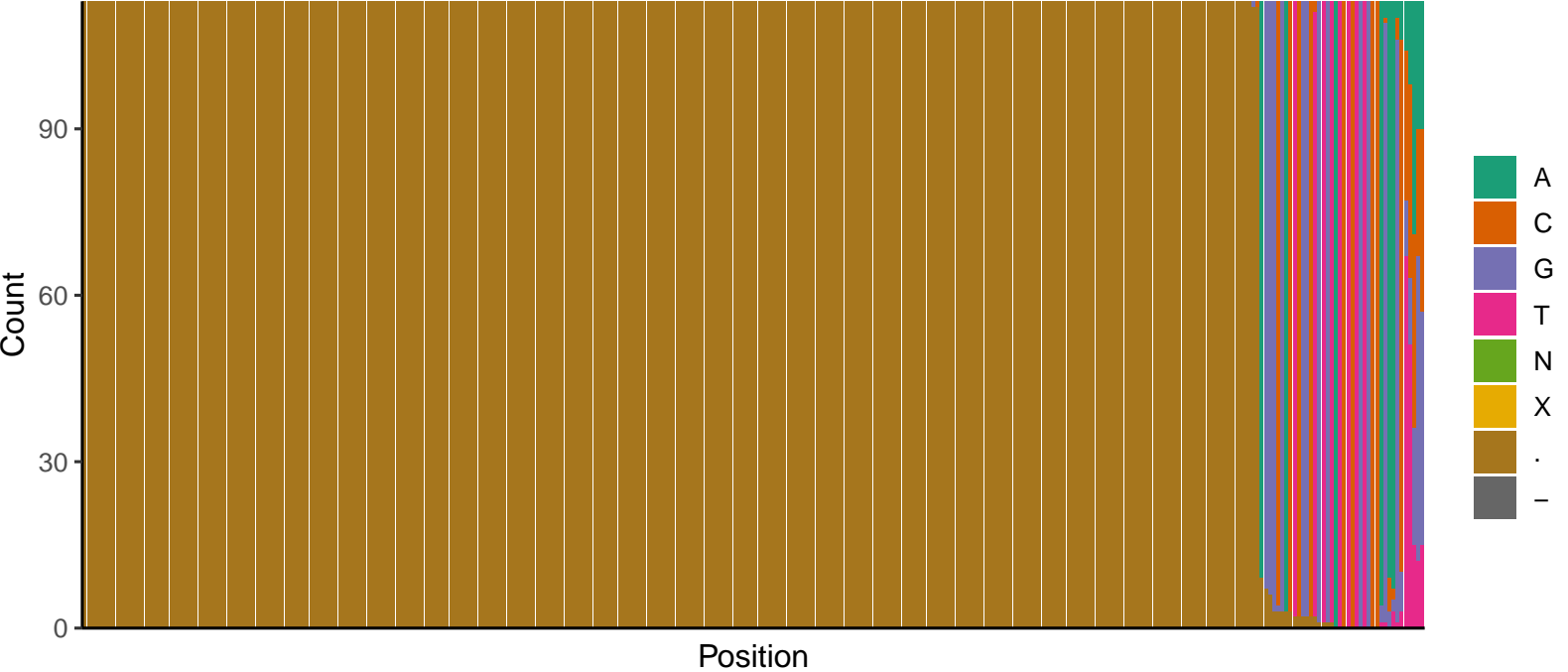
Gene TRBV7-7*ap01_C315T



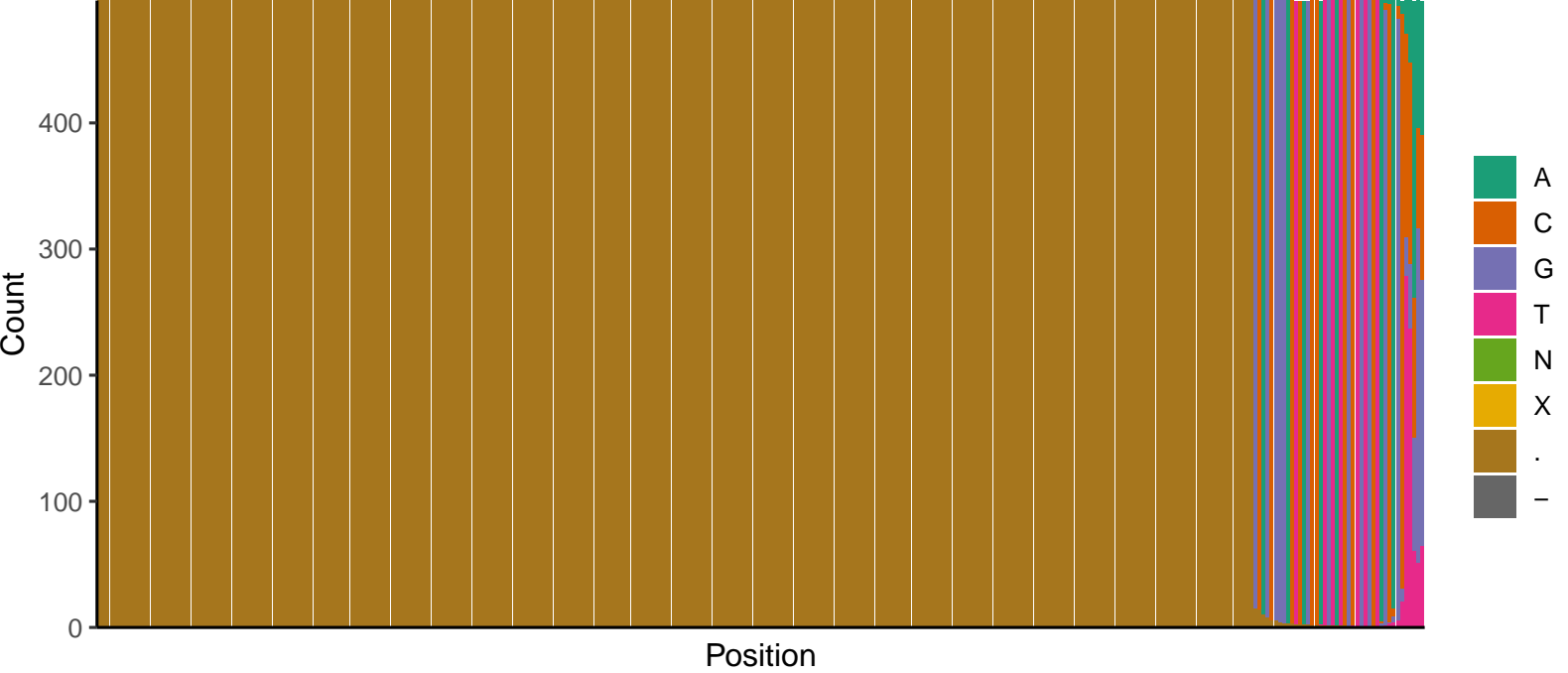
Gene TRBV12-2*ap01_G301A



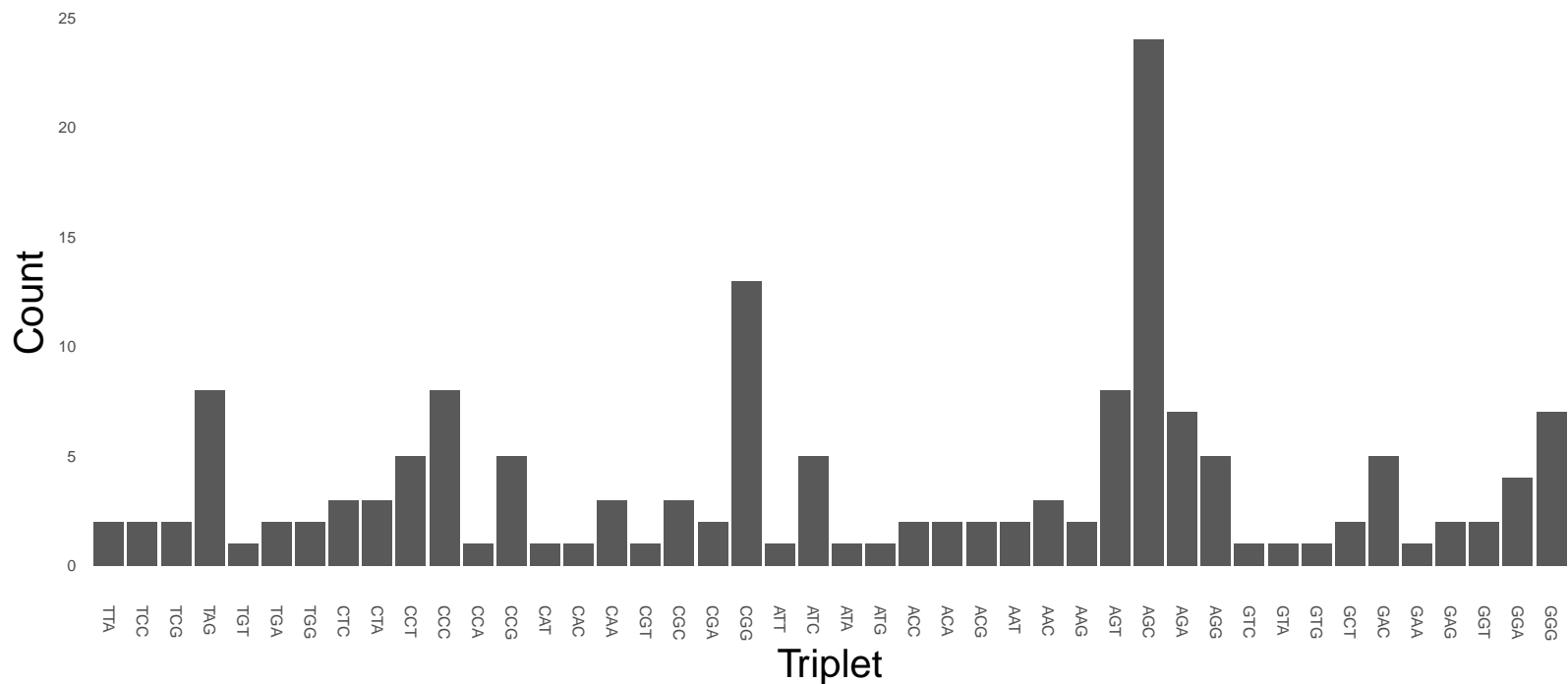
Gene TRBV7-1*ap01_G291C_T296C



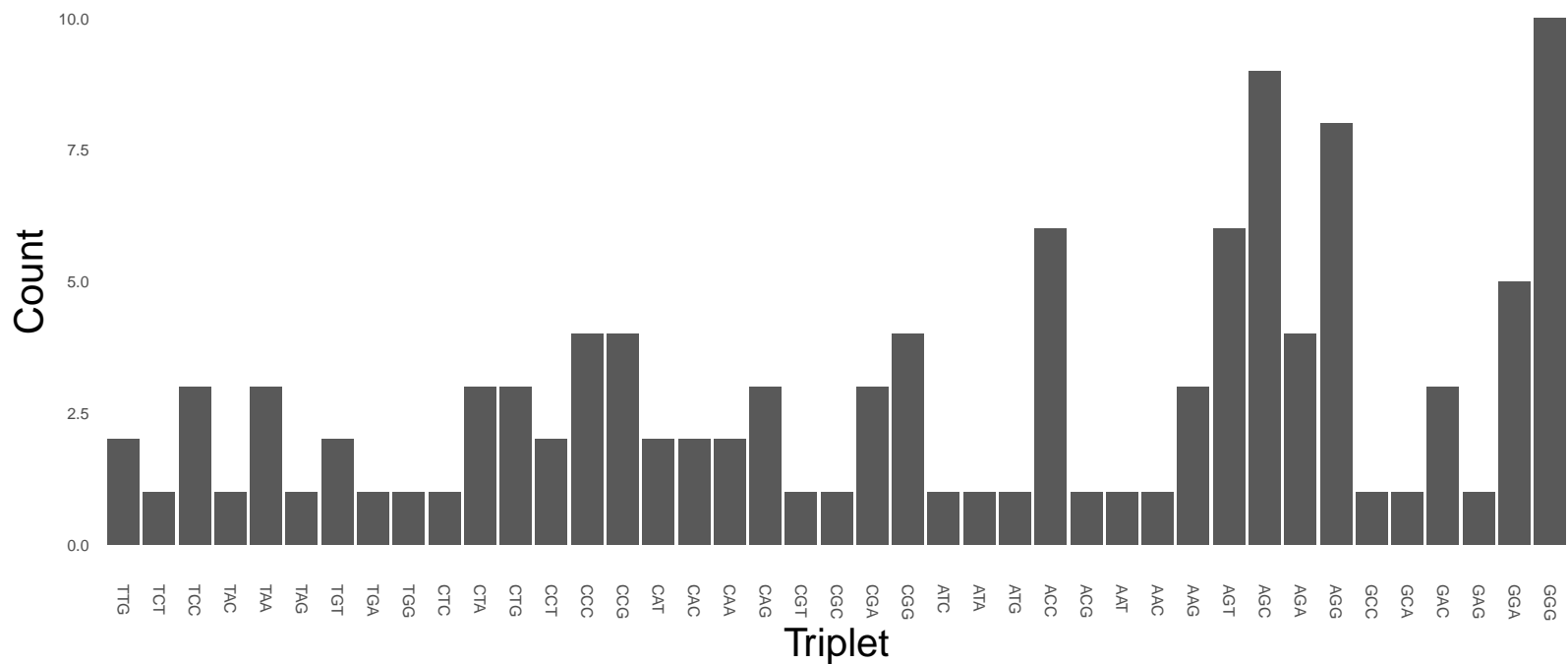
Gene TRBV7-7*ap01_C315T



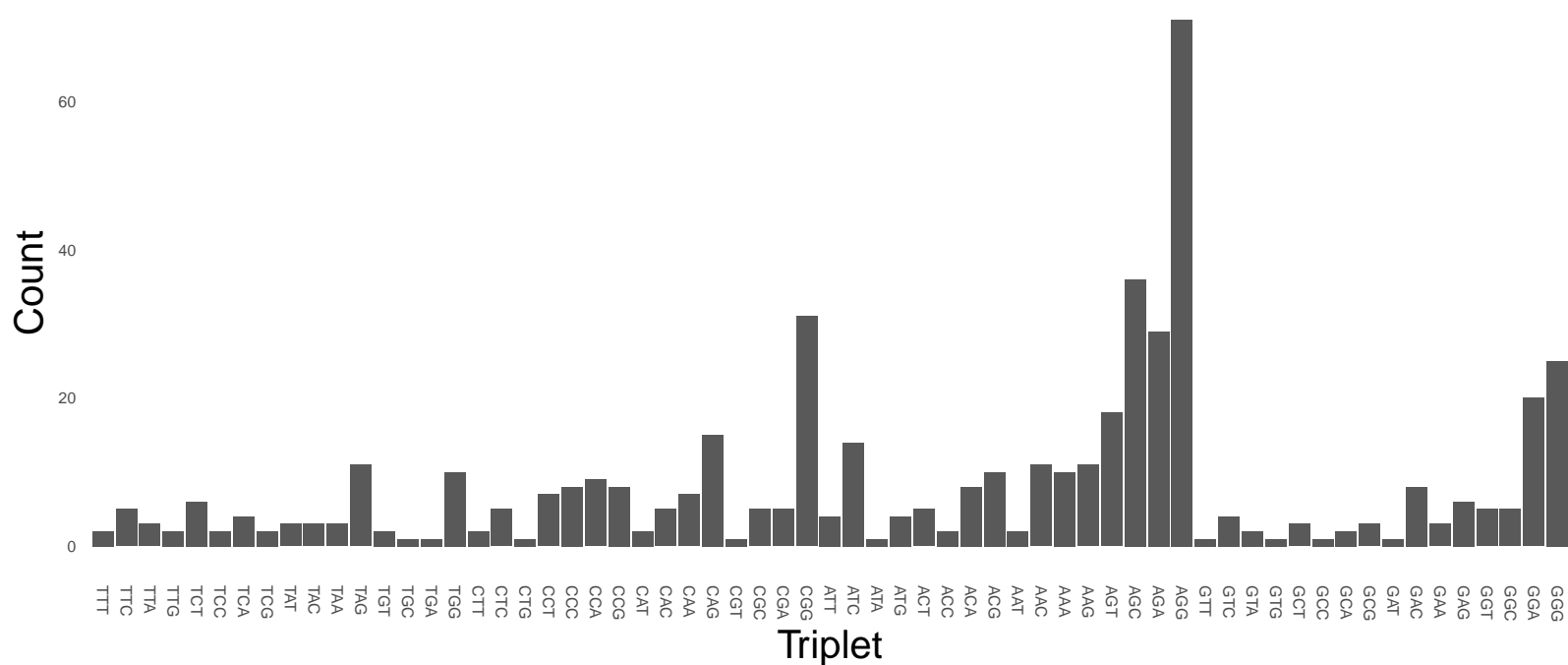
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

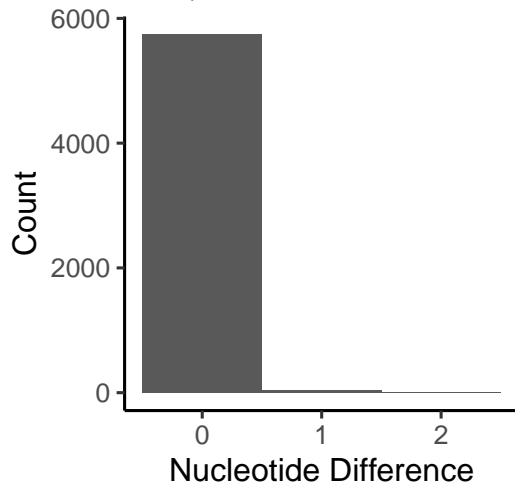


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



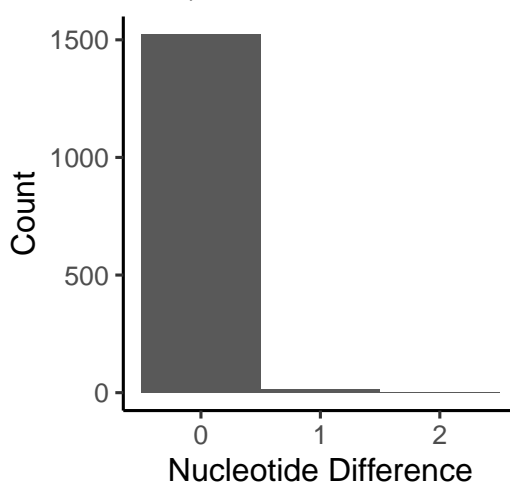
TRBV20-1*ap01

5791 sequences assigned
5743 (99.2%) exact matches, in which:
5702 unique CDR3
13 unique J



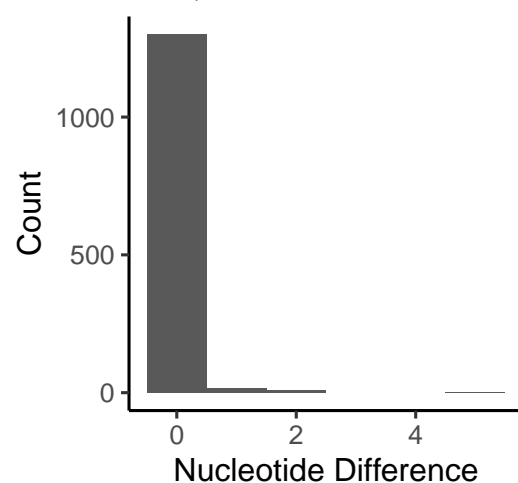
TRBV10-2*ap01

1537 sequences assigned
1523 (99.1%) exact matches, in which:
1494 unique CDR3
13 unique J



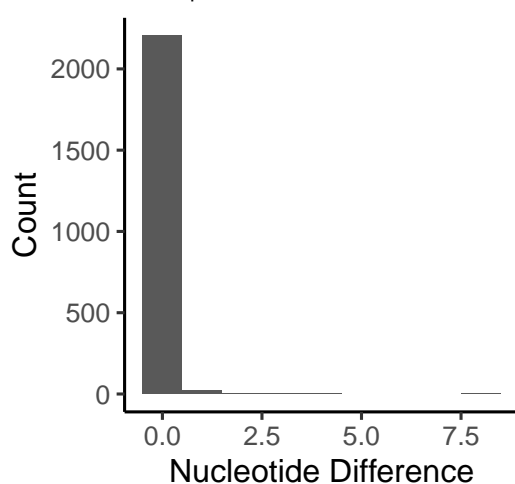
TRBV13*ap01

1327 sequences assigned
1300 (98%) exact matches, in which:
1277 unique CDR3
13 unique J



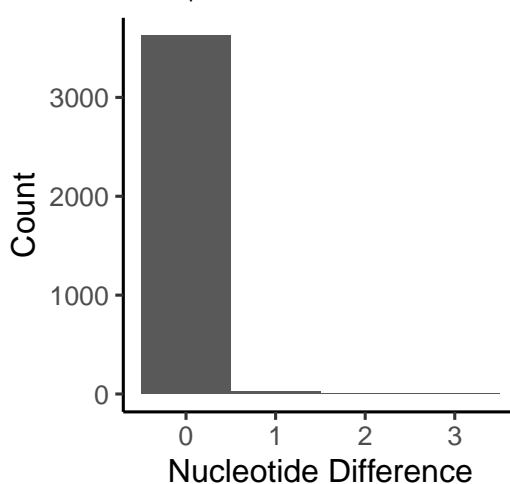
TRBV10-1*ap01

2230 sequences assigned
2204 (98.8%) exact matches, in which:
2180 unique CDR3
13 unique J



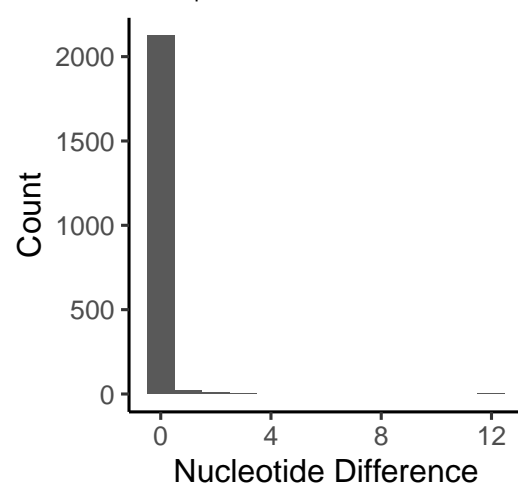
TRBV10-3*ap01

3658 sequences assigned
3624 (99.1%) exact matches, in which:
3593 unique CDR3
13 unique J



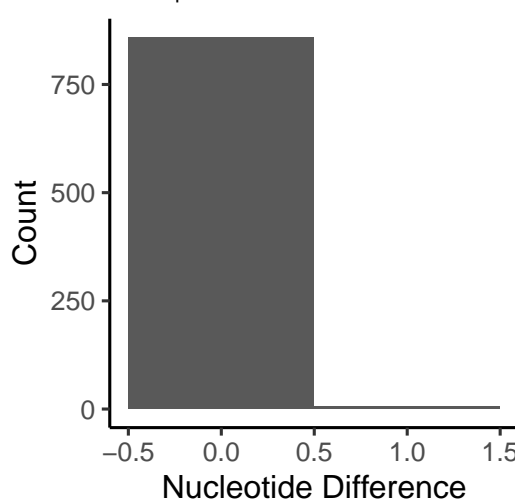
TRBV14*ap01

2152 sequences assigned
2124 (98.7%) exact matches, in which:
2106 unique CDR3
13 unique J



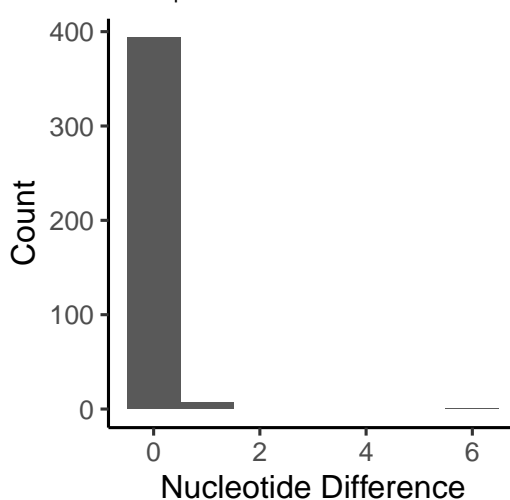
TRBV20-1*ap02

864 sequences assigned
859 (99.4%) exact matches, in which:
855 unique CDR3
13 unique J



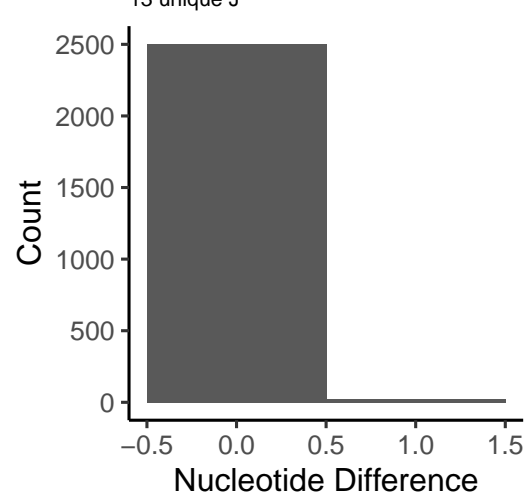
TRBV1*ap01

402 sequences assigned
394 (98%) exact matches, in which:
381 unique CDR3
13 unique J



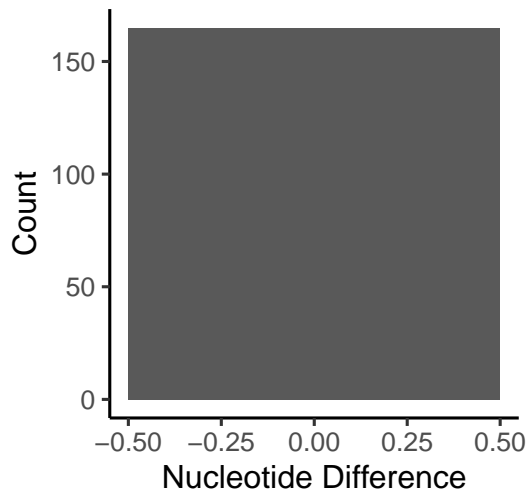
TRBV15*ap02

2525 sequences assigned
2502 (99.1%) exact matches, in which:
2483 unique CDR3
13 unique J



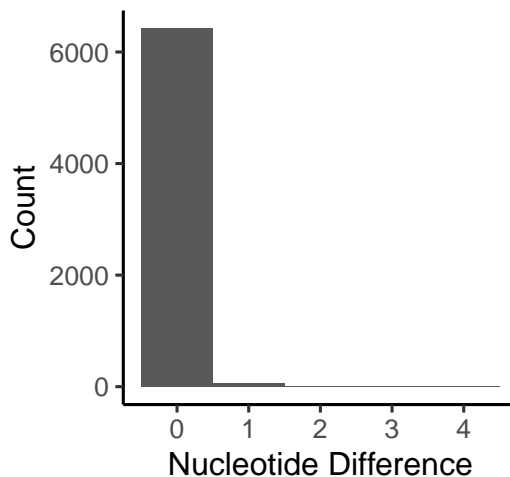
TRBV16*ap01

165 sequences assigned
165 (100%) exact matches, in which:
161 unique CDR3
12 unique J



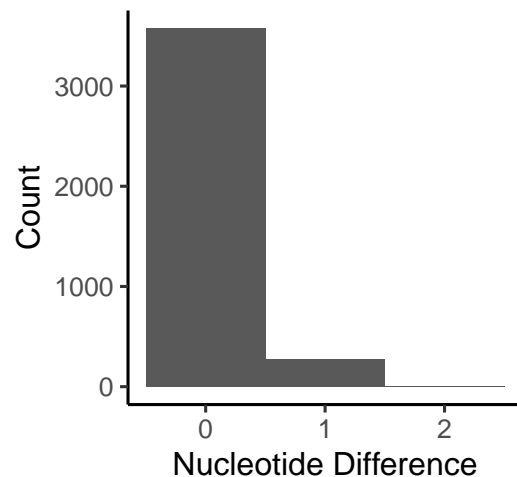
TRBV2*ap01

6487 sequences assigned
6423 (99%) exact matches, in which:
6347 unique CDR3
13 unique J



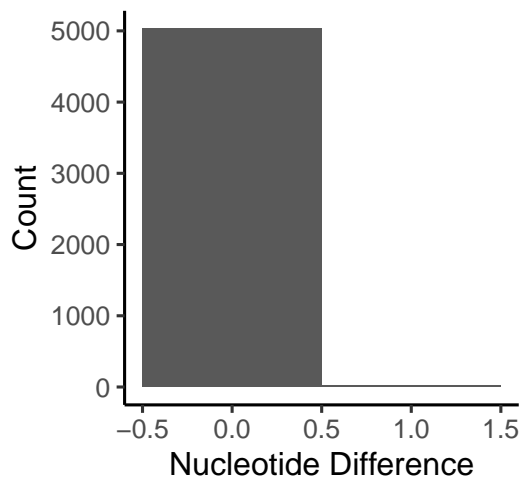
TRBV30*ap01

3857 sequences assigned
3575 (92.7%) exact matches, in which:
3494 unique CDR3
13 unique J



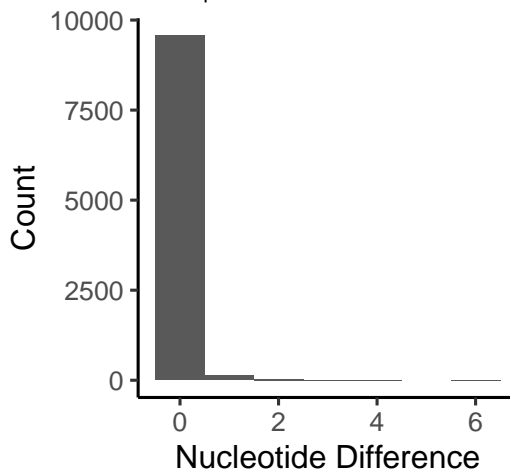
TRBV18*ap01

5050 sequences assigned
5030 (99.6%) exact matches, in which:
5011 unique CDR3
13 unique J



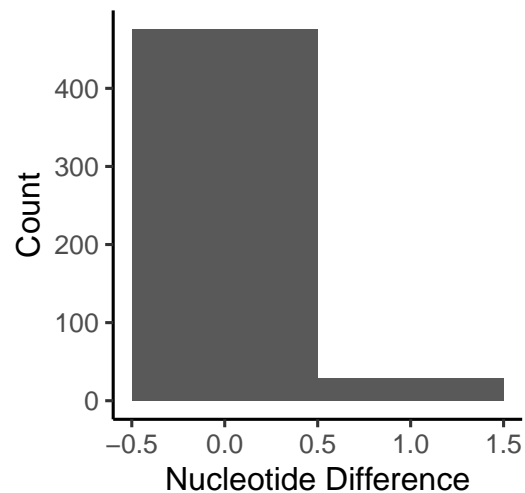
TRBV27*ap01

9752 sequences assigned
9572 (98.2%) exact matches, in which:
9492 unique CDR3
13 unique J



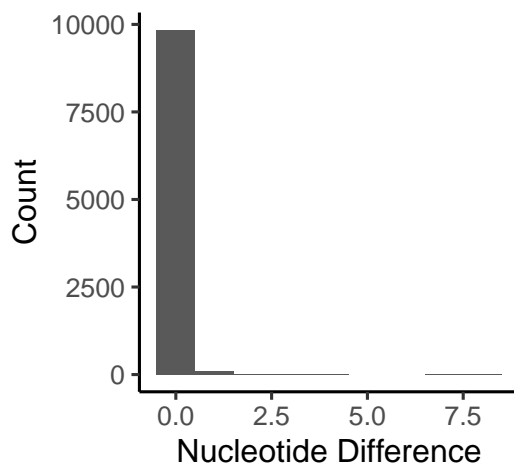
TRBV30*ap03

505 sequences assigned
476 (94.3%) exact matches, in which:
463 unique CDR3
13 unique J



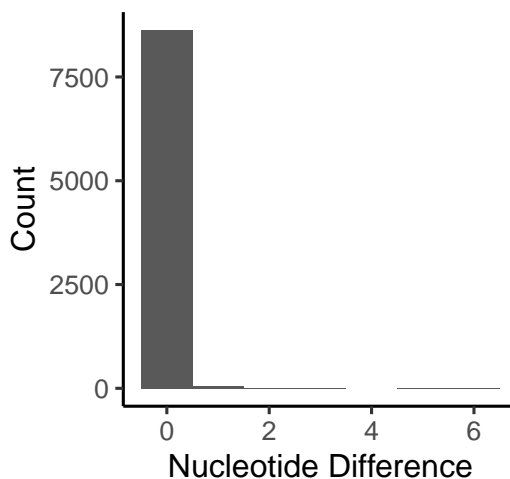
TRBV19*ap01

9960 sequences assigned
9846 (98.9%) exact matches, in which:
9806 unique CDR3
13 unique J



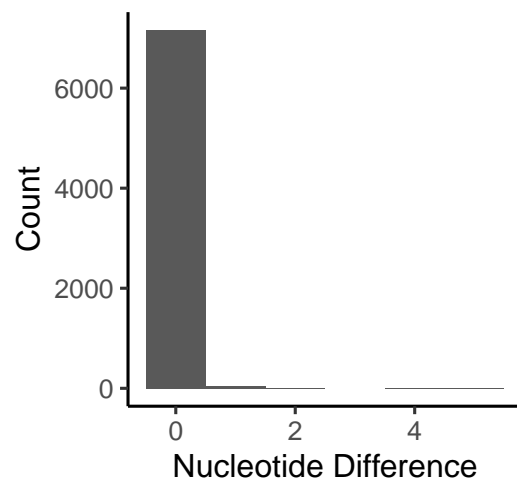
TRBV28*ap01

8704 sequences assigned
8630 (99.1%) exact matches, in which:
8572 unique CDR3
13 unique J



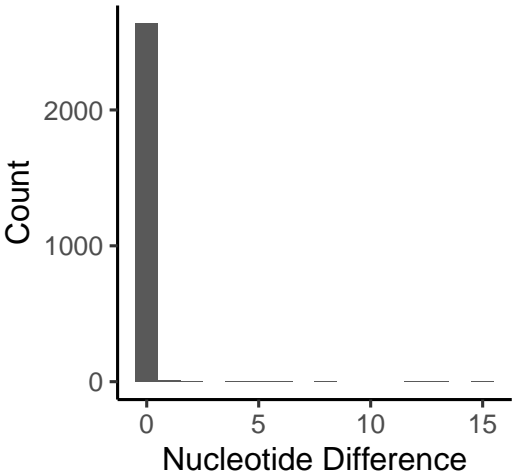
TRBV9*ap01

7219 sequences assigned
7161 (99.2%) exact matches, in which:
7101 unique CDR3
13 unique J



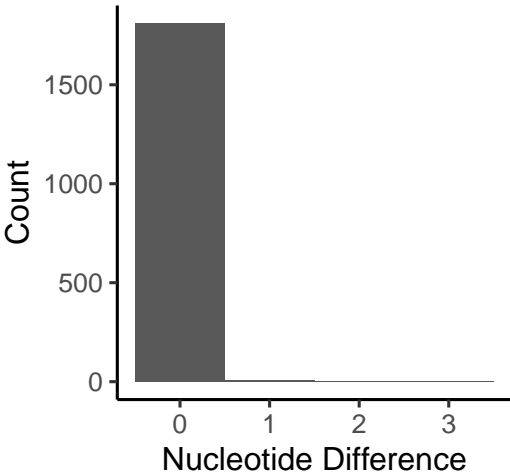
TRBV21-1*ap01

2662 sequences assigned
2637 (99.1%) exact matches, in which:
2624 unique CDR3
13 unique J



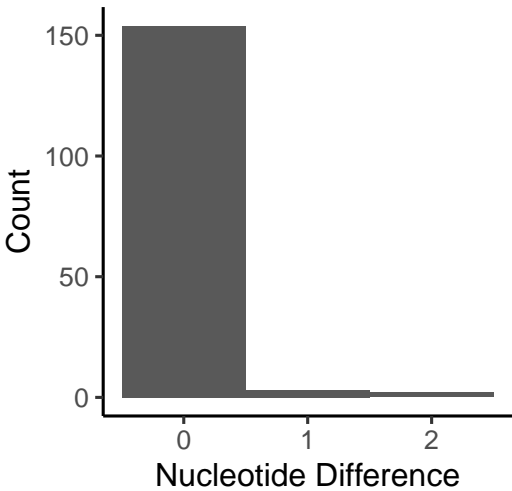
TRBV11-3*ap01

1823 sequences assigned
1810 (99.3%) exact matches, in which:
1806 unique CDR3
13 unique J



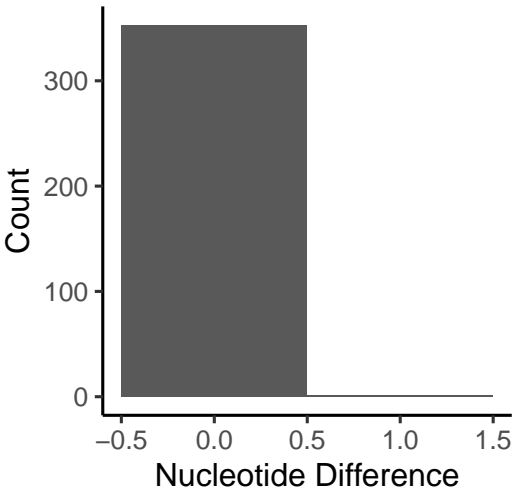
TRBV12-2*ap01_G301A

159 sequences assigned
154 (96.9%) exact matches, in which:
153 unique CDR3
13 unique J



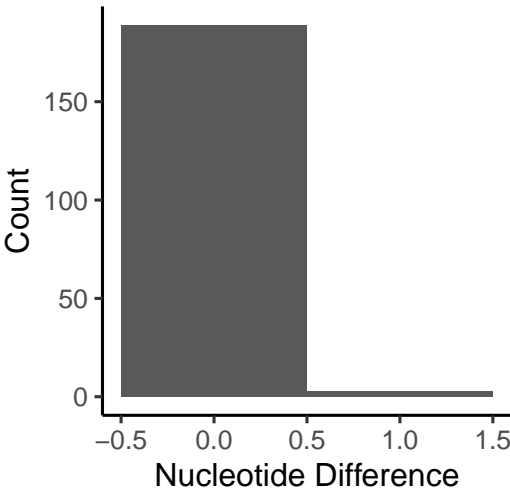
TRBV11-1*ap01

354 sequences assigned
353 (99.7%) exact matches, in which:
353 unique CDR3
13 unique J



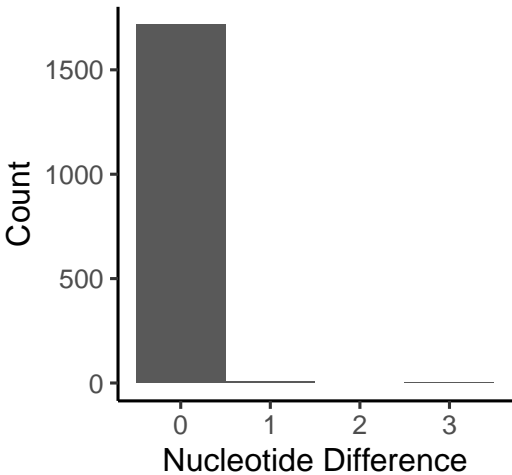
TRBV12-1*ap01

192 sequences assigned
189 (98.4%) exact matches, in which:
189 unique CDR3
12 unique J



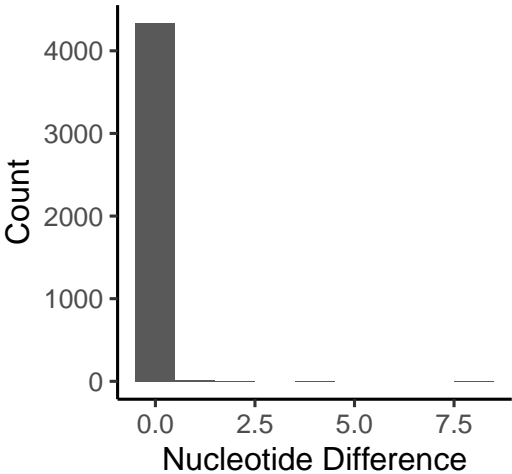
TRBV12-5*ap01

1725 sequences assigned
1716 (99.5%) exact matches, in which:
1705 unique CDR3
13 unique J



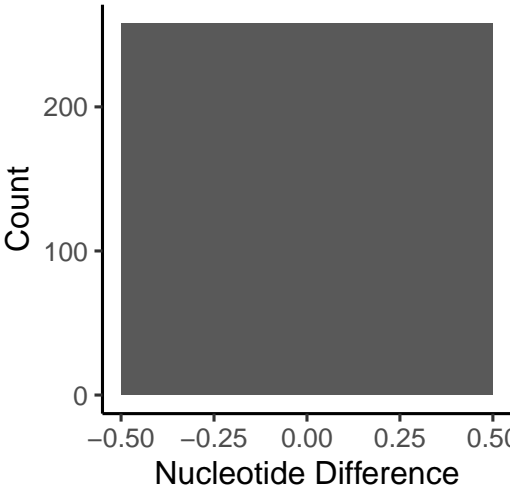
TRBV11-2*ap01

4359 sequences assigned
4336 (99.5%) exact matches, in which:
4309 unique CDR3
13 unique J



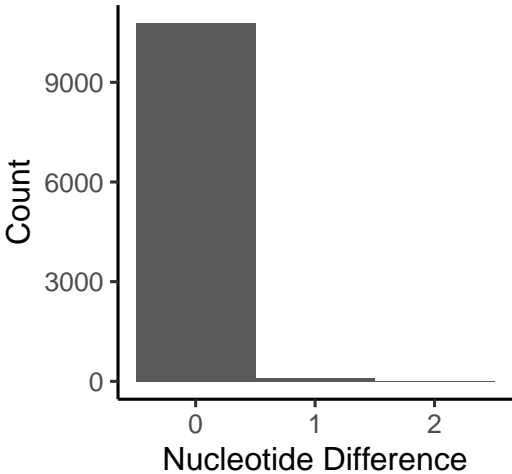
TRBV12-2*ap01

258 sequences assigned
258 (100%) exact matches, in which:
256 unique CDR3
12 unique J



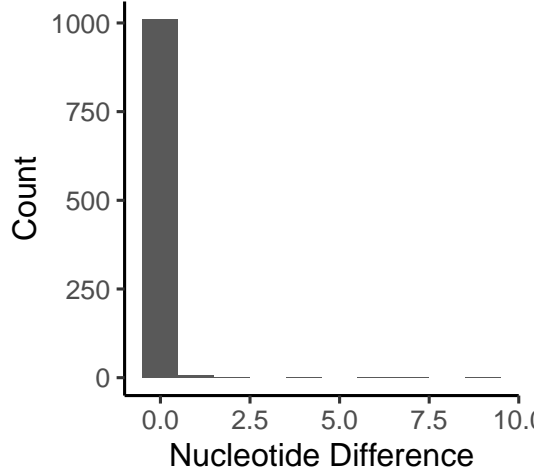
TRBV12-34*ap01

10886 sequences assigned
10784 (99.1%) exact matches, in which:
10661 unique CDR3
13 unique J



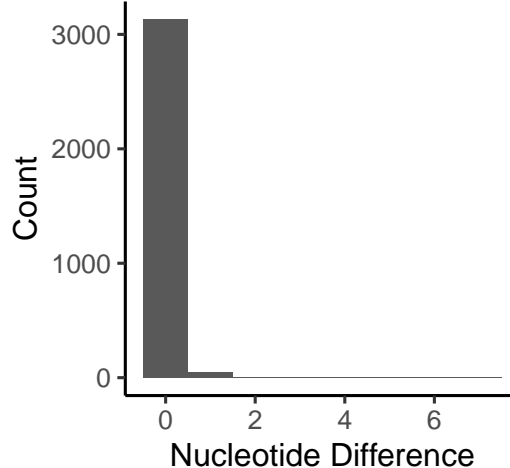
TRBV23-1*ap01

1025 sequences assigned
1010 (98.5%) exact matches, in which:
1004 unique CDR3
13 unique J



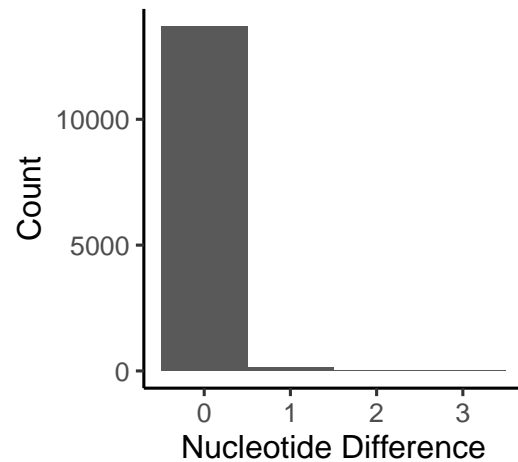
TRBV24-1*ap01

3194 sequences assigned
3131 (98%) exact matches, in which:
3088 unique CDR3
13 unique J



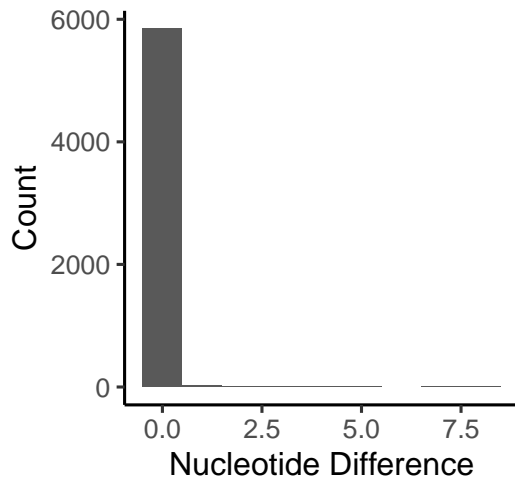
TRBV5-1*ap01

13839 sequences assigned
13702 (99%) exact matches, in which:
13506 unique CDR3
13 unique J



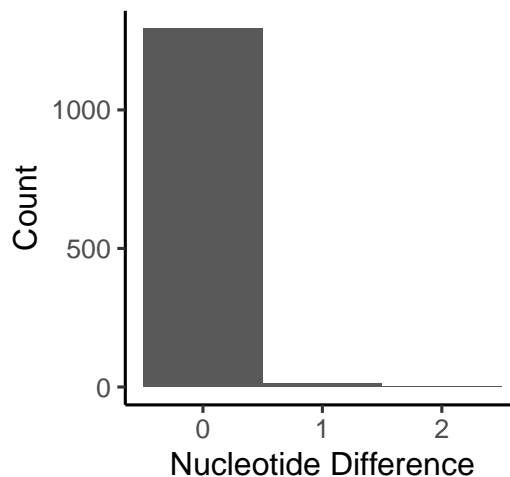
TRBV3-12*ap01

5871 sequences assigned
5846 (99.6%) exact matches, in which:
5824 unique CDR3
13 unique J



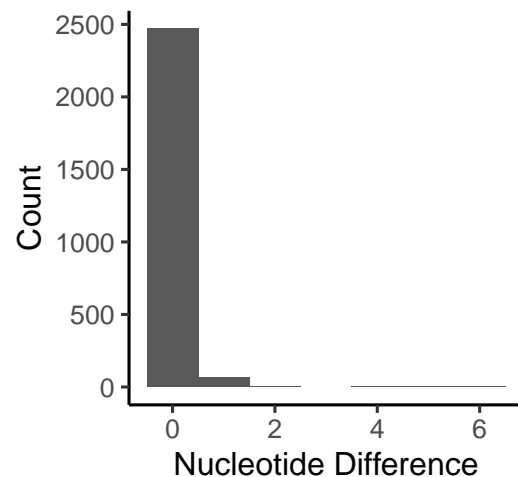
TRBV4-2*ap01

1307 sequences assigned
1293 (98.9%) exact matches, in which:
1276 unique CDR3
13 unique J



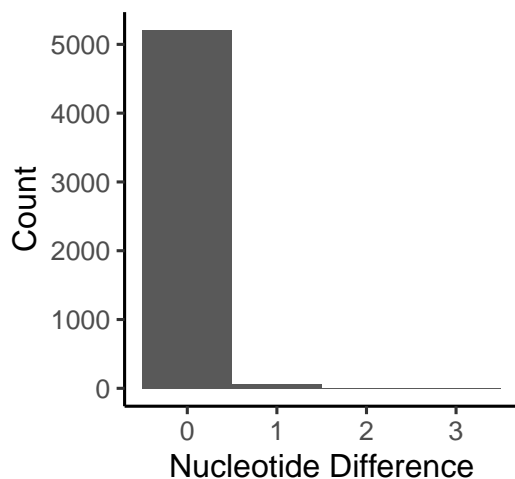
TRBV25-1*ap01

2548 sequences assigned
2470 (96.9%) exact matches, in which:
2426 unique CDR3
13 unique J



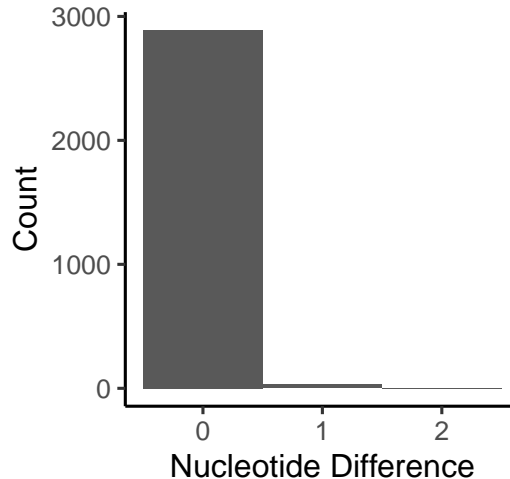
TRBV4-1*ap01

5275 sequences assigned
5208 (98.7%) exact matches, in which:
5127 unique CDR3
13 unique J



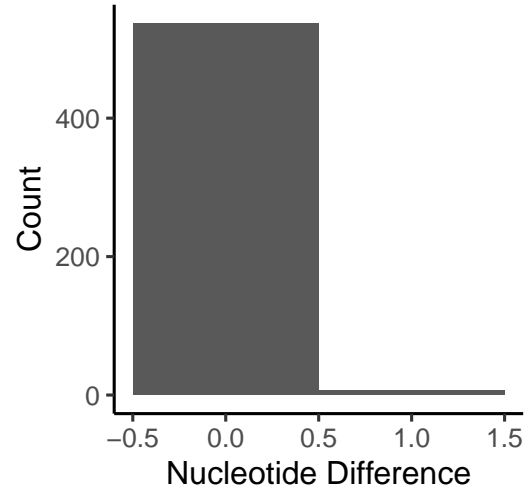
TRBV4-3*ap01

2922 sequences assigned
2890 (98.9%) exact matches, in which:
2858 unique CDR3
13 unique J



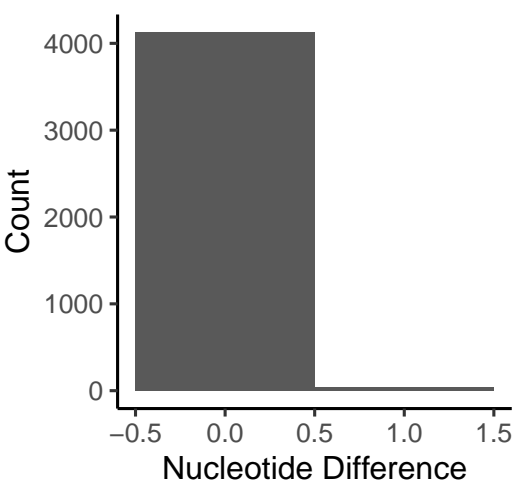
TRBV5-3*ap01

543 sequences assigned
537 (98.9%) exact matches, in which:
533 unique CDR3
13 unique J



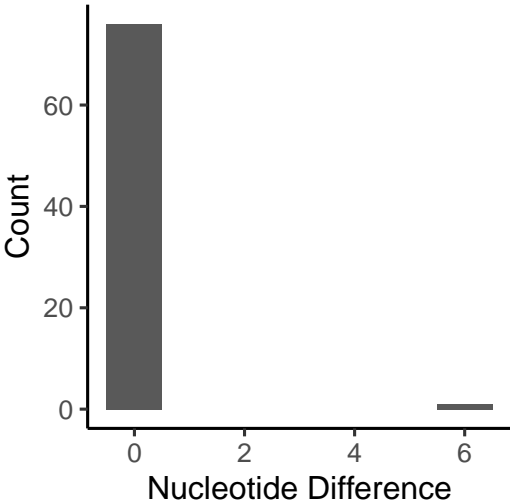
TRBV5-4*ap01

4161 sequences assigned
4126 (99.2%) exact matches, in which:
4090 unique CDR3
13 unique J



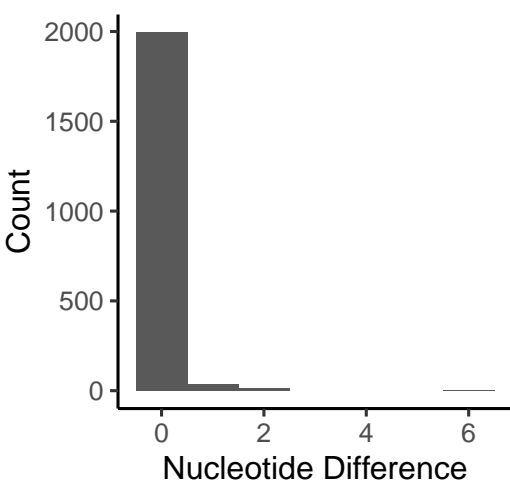
TRBV5-7*ap01

77 sequences assigned
76 (98.7%) exact matches, in which:
74 unique CDR3
12 unique J



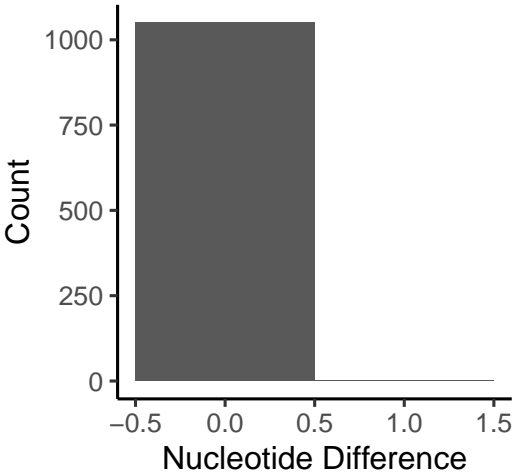
TRBV6-4*ap01

2047 sequences assigned
1995 (97.5%) exact matches, in which:
1983 unique CDR3
13 unique J



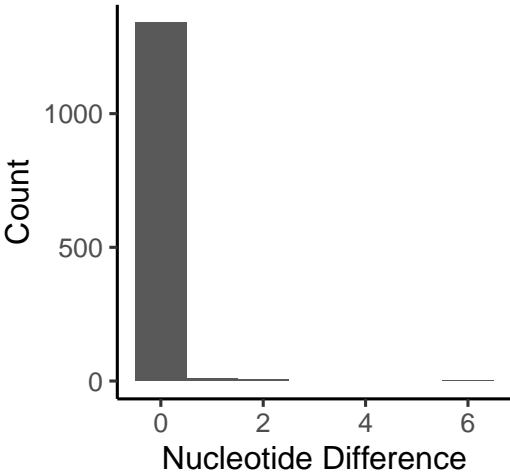
TRBV5-5*ap01

1052 sequences assigned
1050 (99.8%) exact matches, in which:
1045 unique CDR3
13 unique J



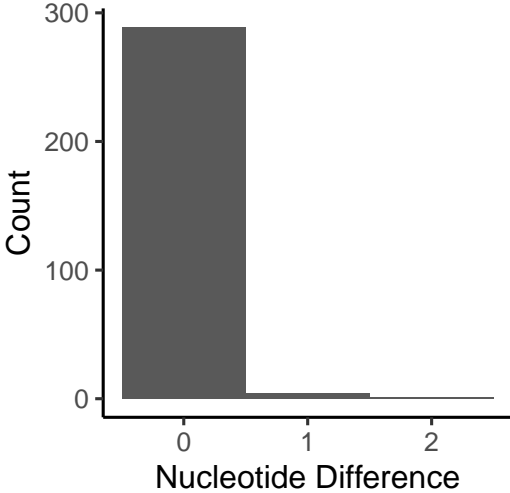
TRBV5-8*ap01

1353 sequences assigned
1340 (99%) exact matches, in which:
1335 unique CDR3
13 unique J



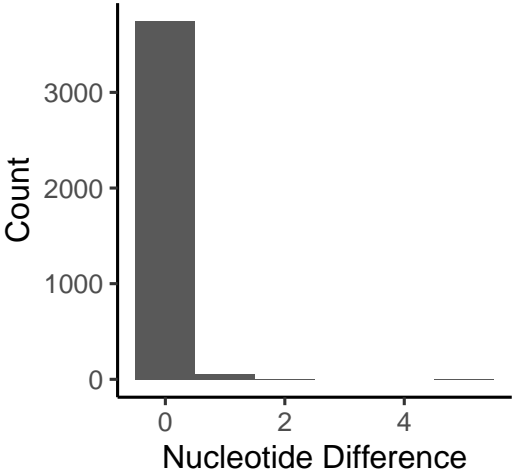
TRBV6-7*ap01

294 sequences assigned
289 (98.3%) exact matches, in which:
283 unique CDR3
13 unique J



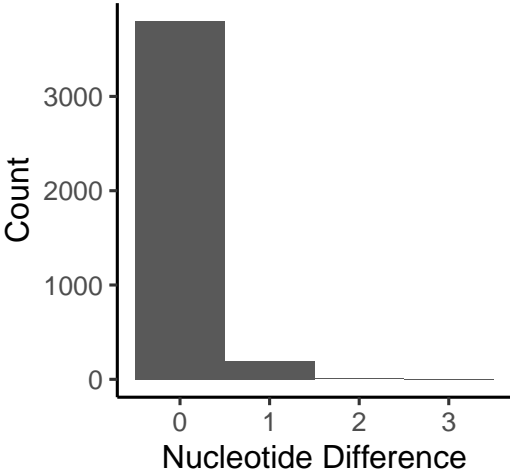
TRBV5-6*ap01

3805 sequences assigned
3746 (98.4%) exact matches, in which:
3672 unique CDR3
13 unique J



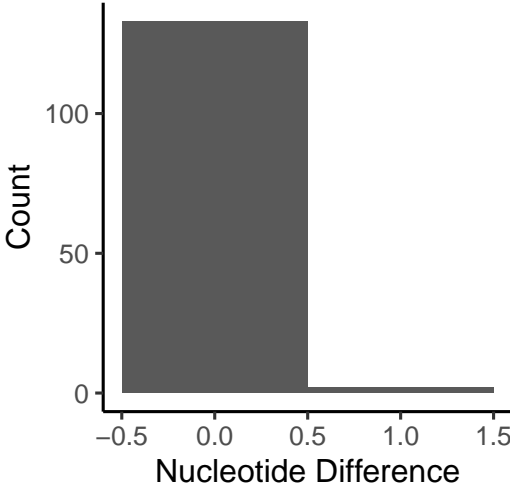
TRBV6-1*ap01

3999 sequences assigned
3799 (95%) exact matches, in which:
3738 unique CDR3
13 unique J



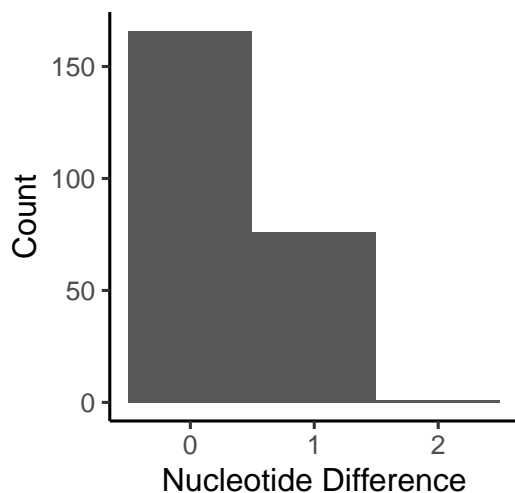
TRBV6-8*ap01

135 sequences assigned
133 (98.5%) exact matches, in which:
133 unique CDR3
11 unique J



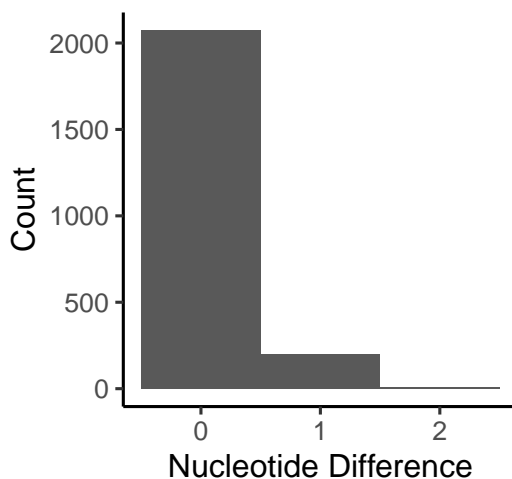
TRBV6–9*ap01

243 sequences assigned
166 (68.3%) exact matches, in which:
166 unique CDR3
12 unique J



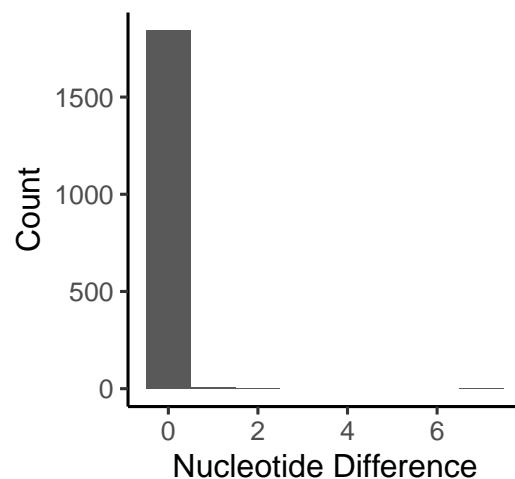
TRBV6–56*ap02

2282 sequences assigned
2073 (90.8%) exact matches, in which:
2036 unique CDR3
13 unique J



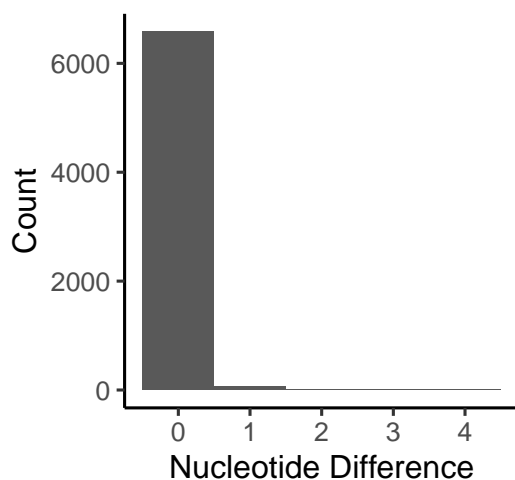
TRBV7–3*ap01

1851 sequences assigned
1843 (99.6%) exact matches, in which:
1833 unique CDR3
13 unique J



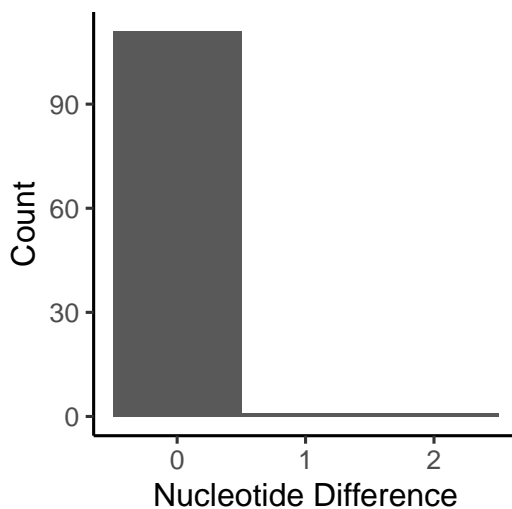
TRBV6–23*ap01

6655 sequences assigned
6581 (98.9%) exact matches, in which:
6421 unique CDR3
13 unique J



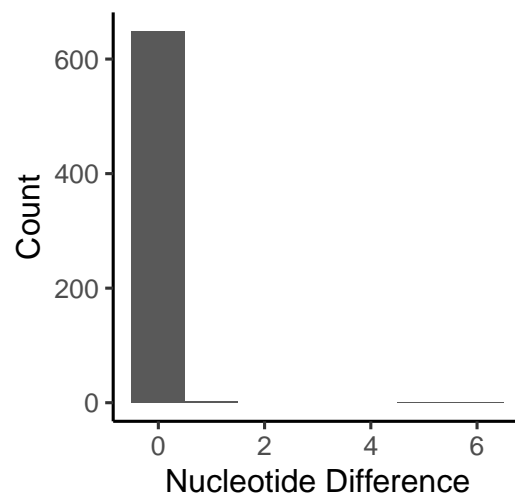
TRBV7–1*ap01_G291C_T

113 sequences assigned
111 (98.2%) exact matches, in which:
111 unique CDR3
11 unique J



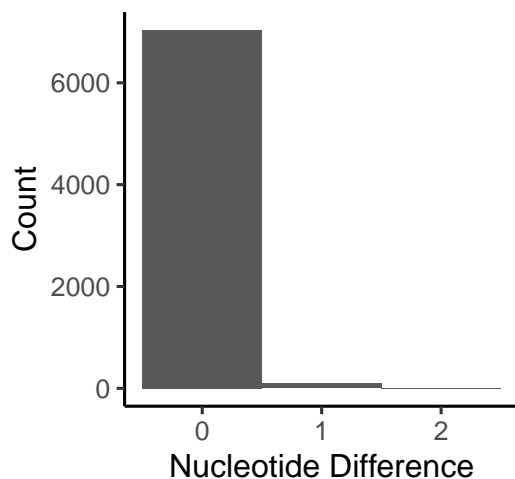
TRBV7–3*ap02

654 sequences assigned
649 (99.2%) exact matches, in which:
648 unique CDR3
13 unique J



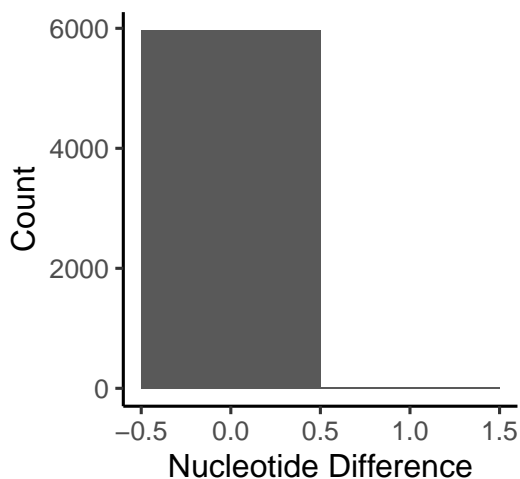
TRBV6–56*ap01

7141 sequences assigned
7036 (98.5%) exact matches, in which:
6895 unique CDR3
13 unique J



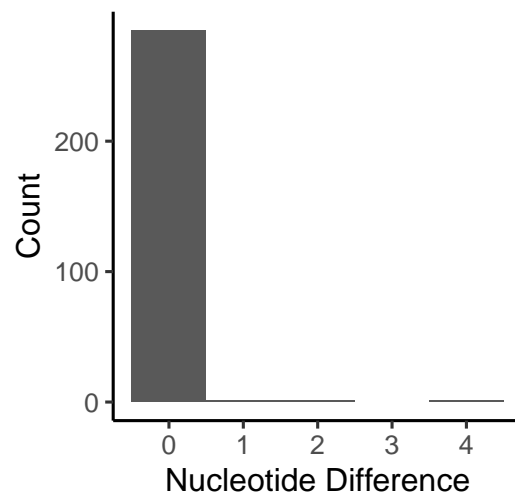
TRBV7–2*ap01

5998 sequences assigned
5971 (99.5%) exact matches, in which:
5935 unique CDR3
13 unique J



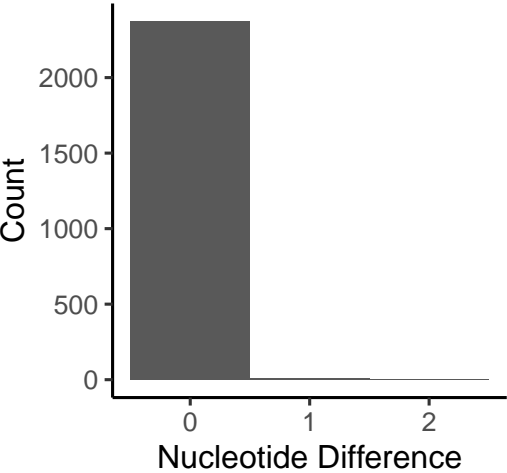
TRBV7–4*ap01

288 sequences assigned
285 (99%) exact matches, in which:
280 unique CDR3
12 unique J



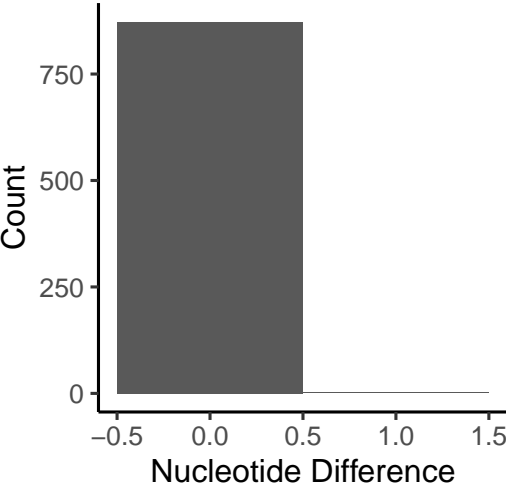
TRBV7-6*ap01

2383 sequences assigned
2372 (99.5%) exact matches, in which:
2359 unique CDR3
13 unique J



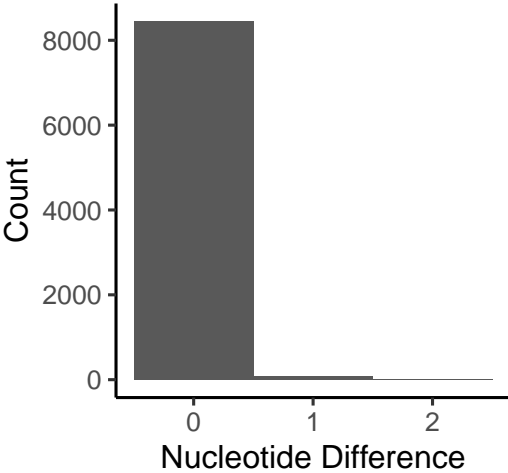
TRBV7-8*ap01

875 sequences assigned
873 (99.8%) exact matches, in which:
865 unique CDR3
13 unique J



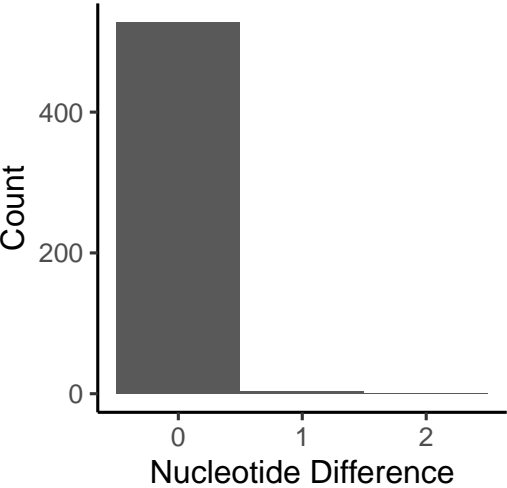
TRBV7-9*ap01

8537 sequences assigned
8445 (98.9%) exact matches, in which:
8380 unique CDR3
13 unique J



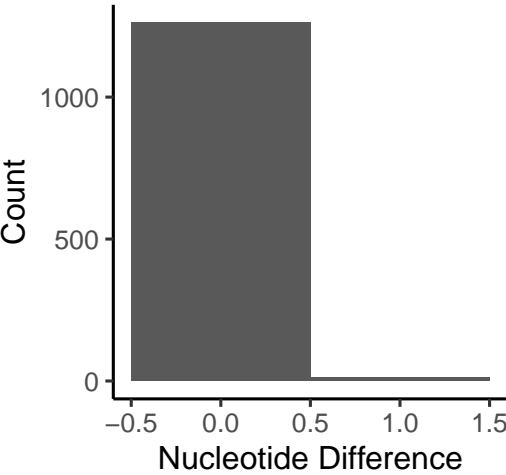
TRBV7-7*ap01

532 sequences assigned
528 (99.2%) exact matches, in which:
524 unique CDR3
12 unique J



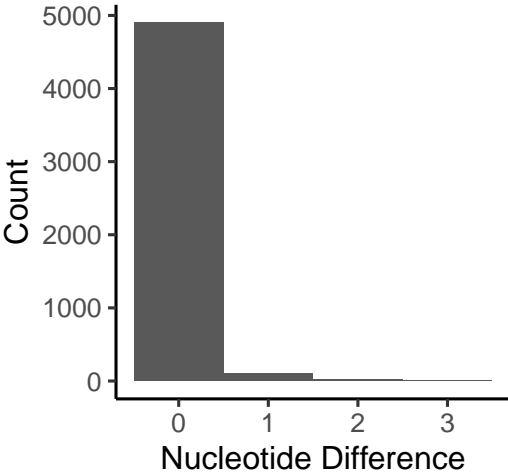
TRBV7-8*ap02

1276 sequences assigned
1262 (98.9%) exact matches, in which:
1248 unique CDR3
13 unique J



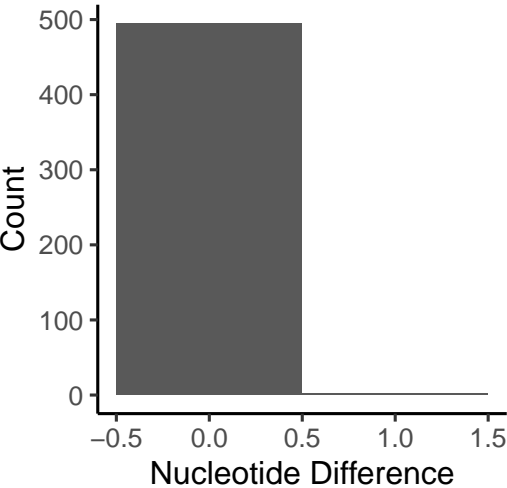
TRBV29-1*ap01

5017 sequences assigned
4900 (97.7%) exact matches, in which:
4800 unique CDR3
13 unique J



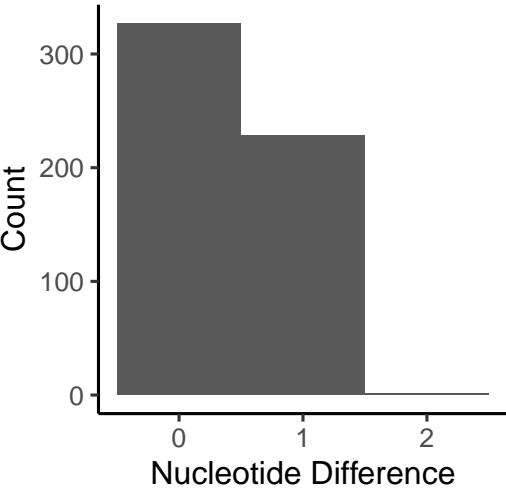
TRBV7-7*ap01_C315T

497 sequences assigned
495 (99.6%) exact matches, in which:
491 unique CDR3
13 unique J



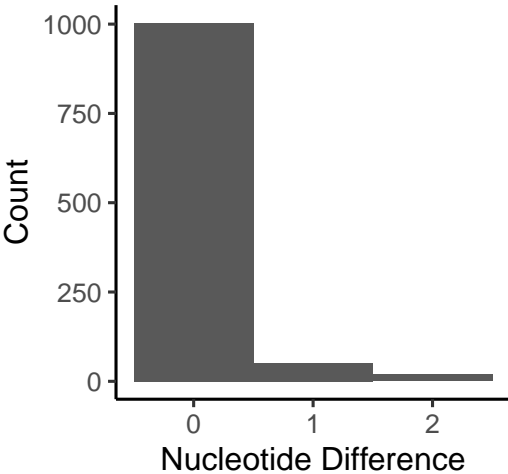
TRBV7-8*ap03

556 sequences assigned
327 (58.8%) exact matches, in which:
323 unique CDR3
13 unique J

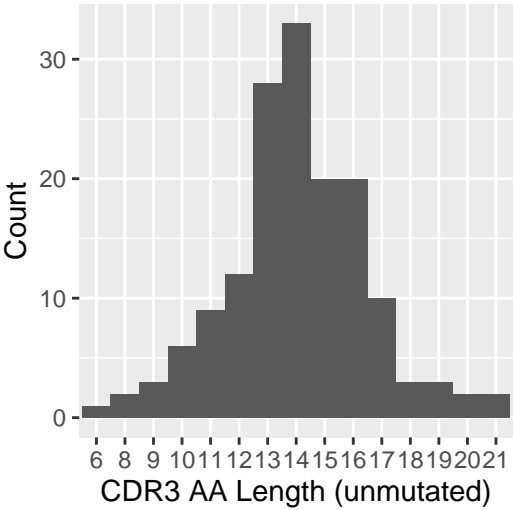


TRBV29-1*ap02

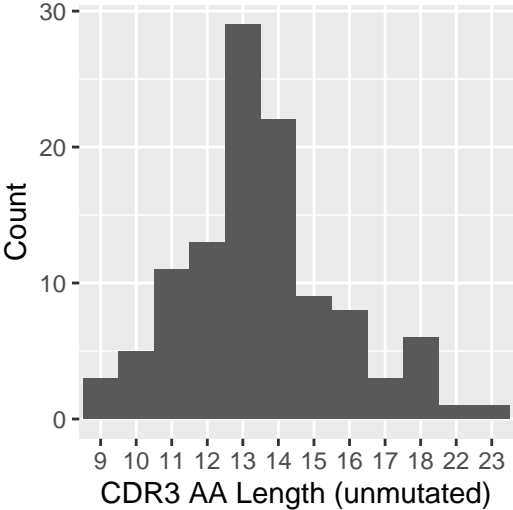
1073 sequences assigned
1003 (93.5%) exact matches, in which:
970 unique CDR3
13 unique J



TRBV12-2*ap01_G301A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

