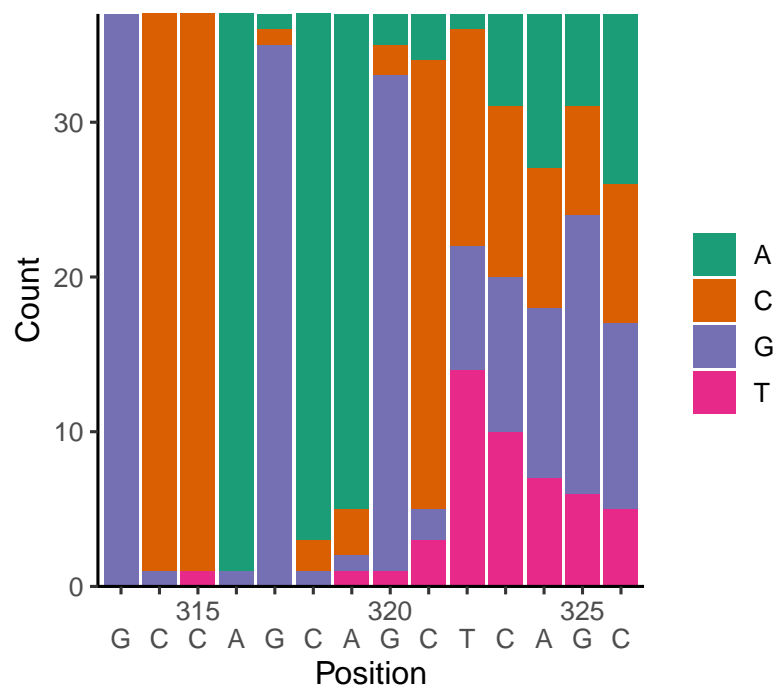
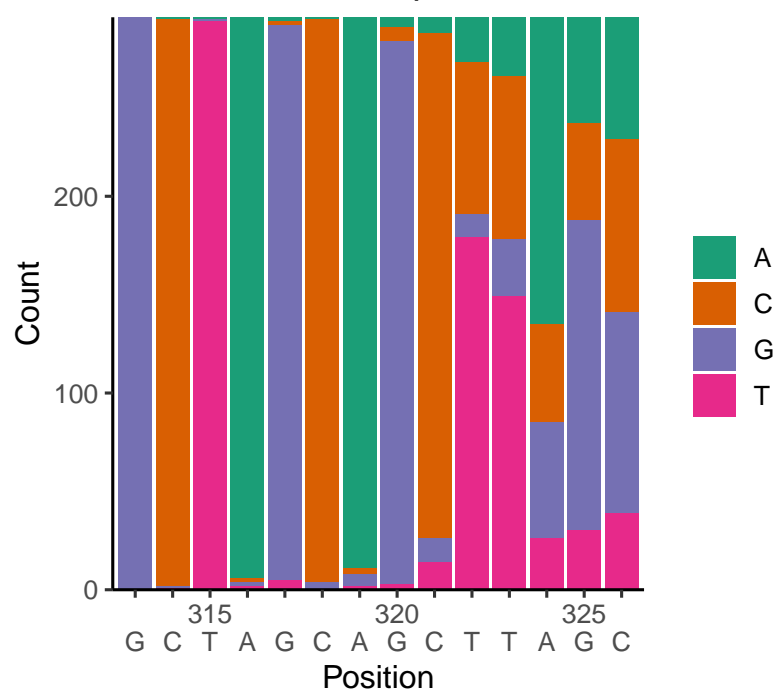


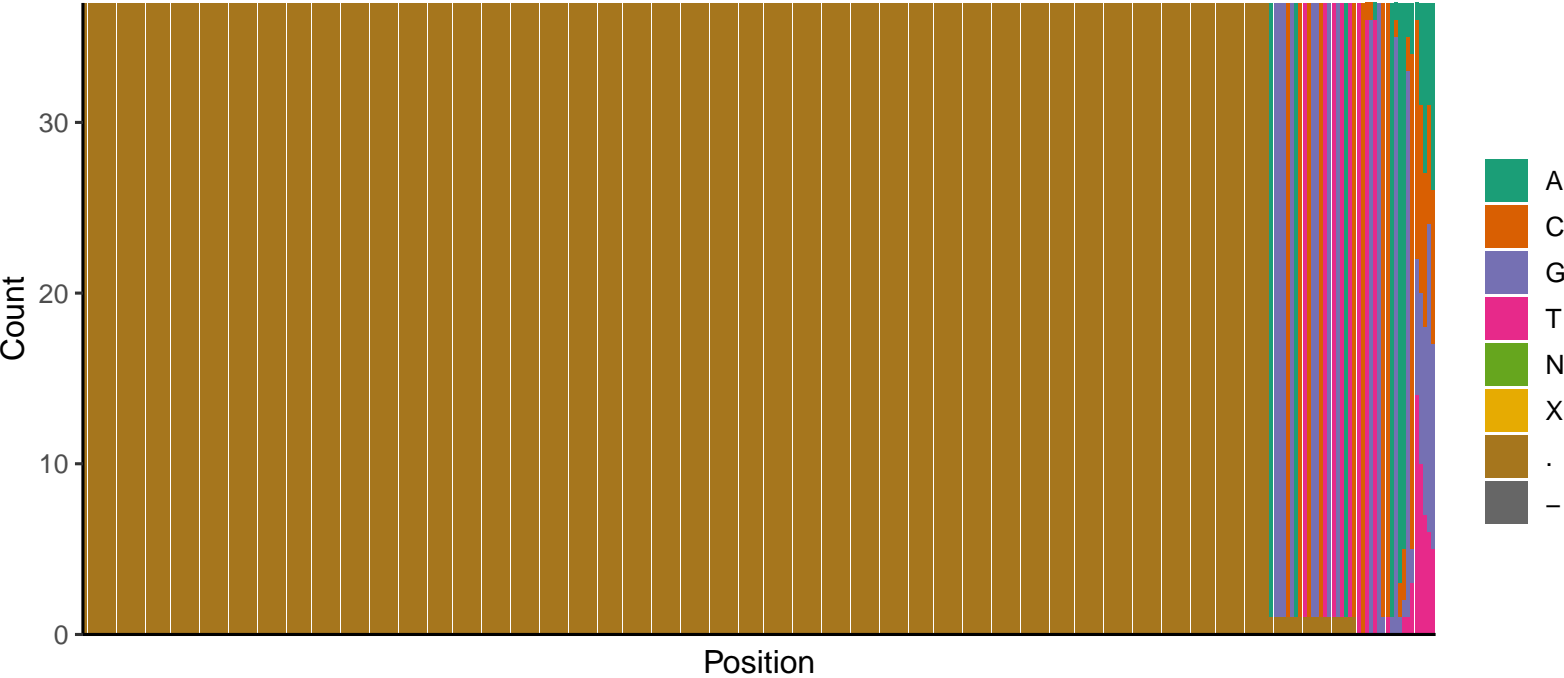
Gene TRBV7-1*ap01_G291C_T296C



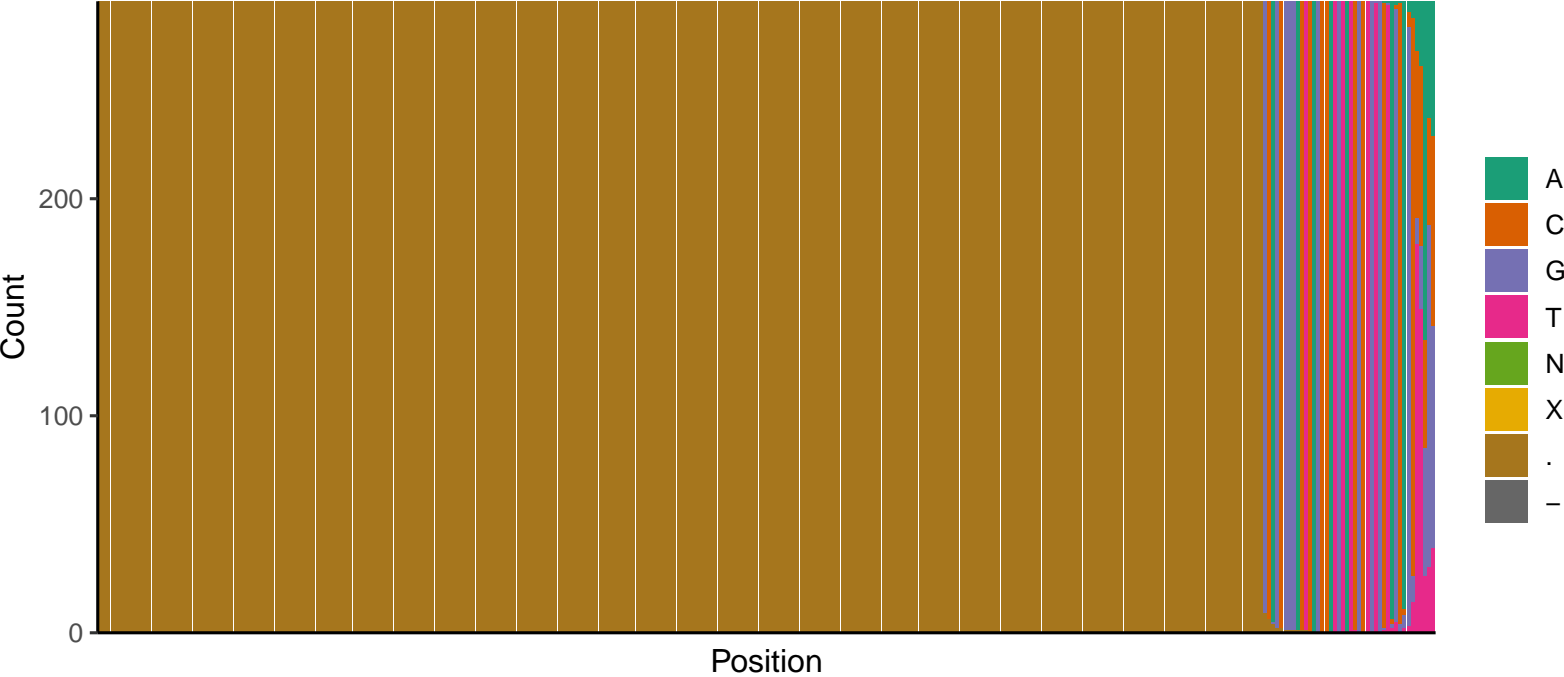
Gene TRBV7-7*ap01_C315T



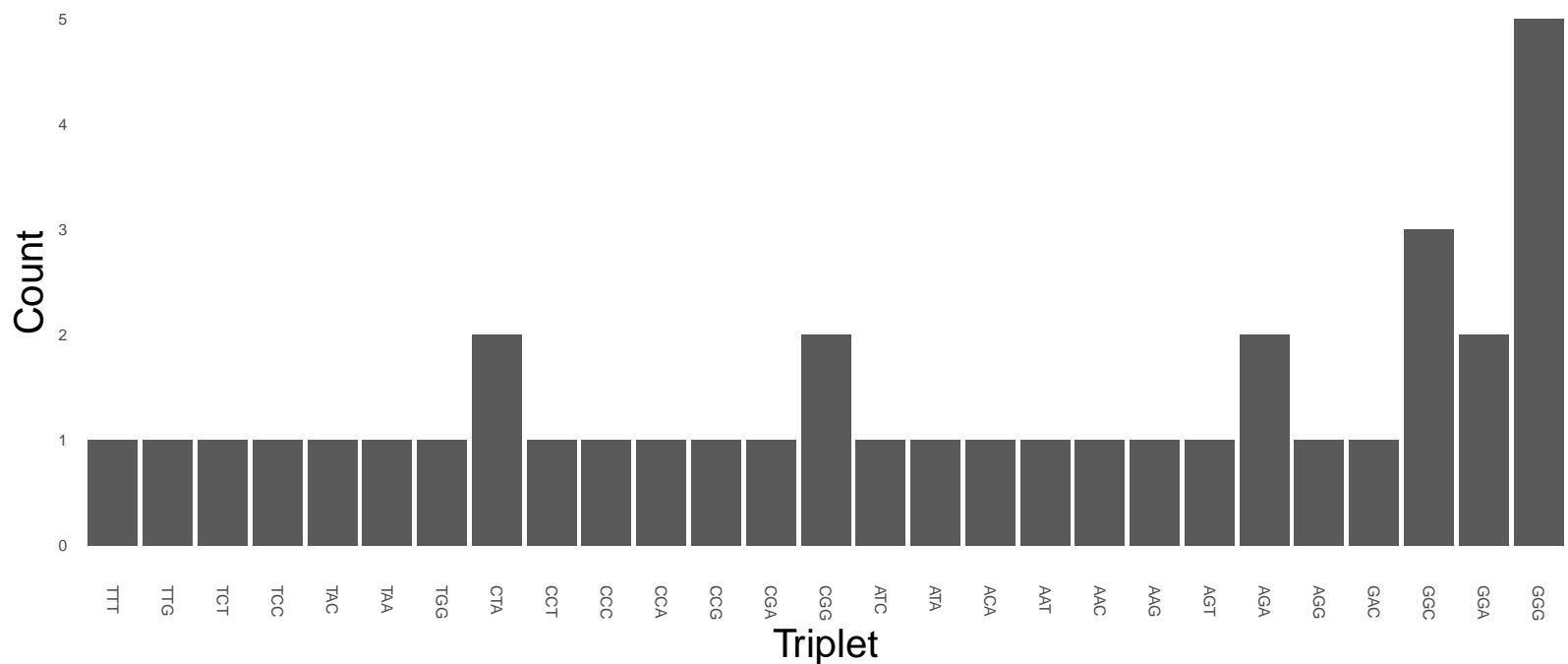
Gene TRBV7-1*ap01_G291C_T296C



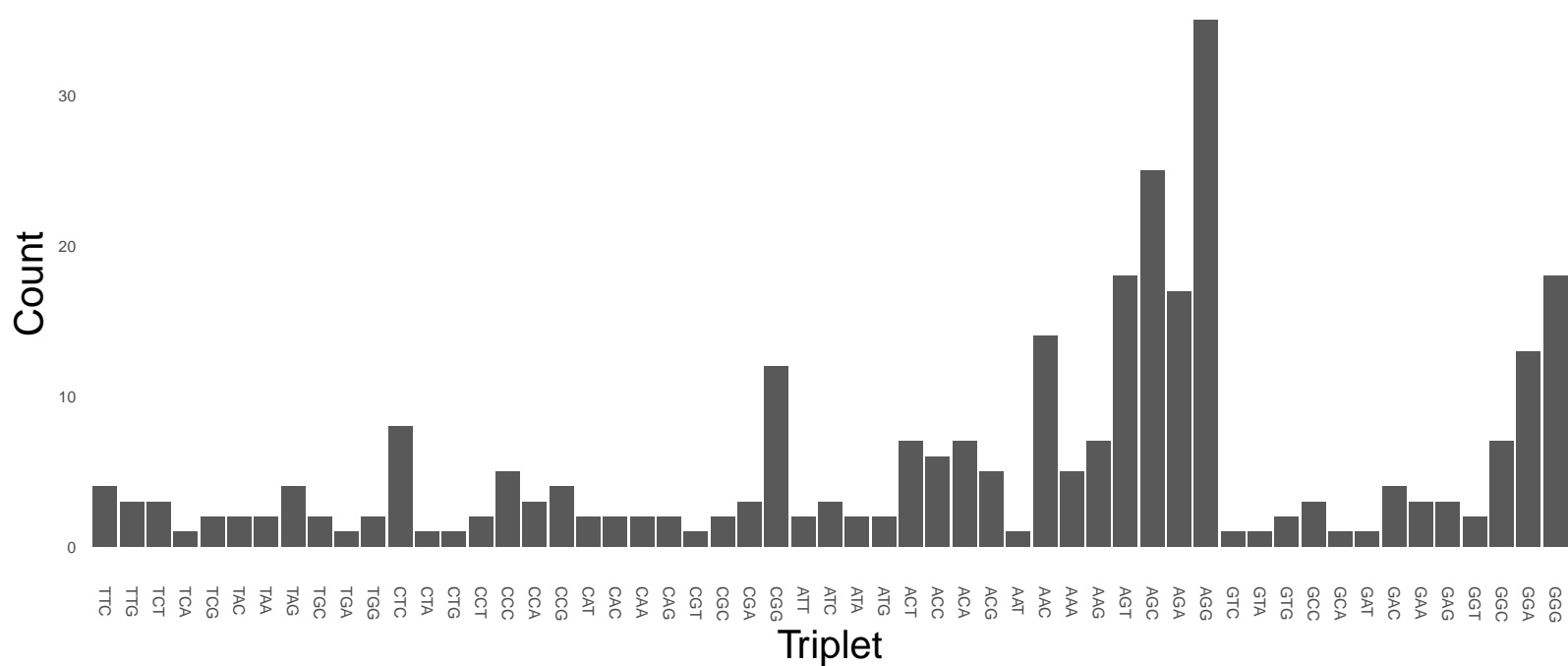
Gene TRBV7-7*ap01_C315T



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

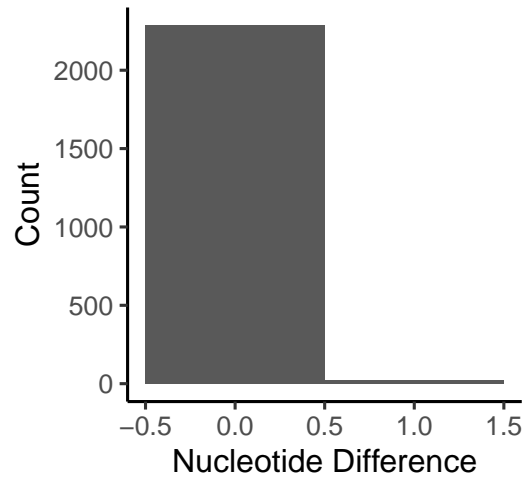


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



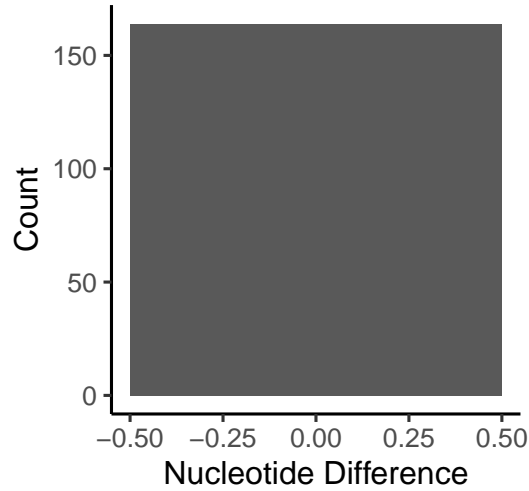
TRBV20–1*ap01

2307 sequences assigned
2286 (99.1%) exact matches, in which:
2276 unique CDR3
14 unique J



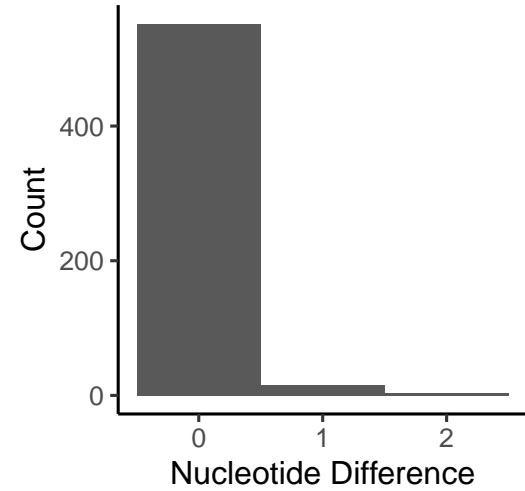
TRBV10–2*ap01

164 sequences assigned
164 (100%) exact matches, in which:
162 unique CDR3
14 unique J



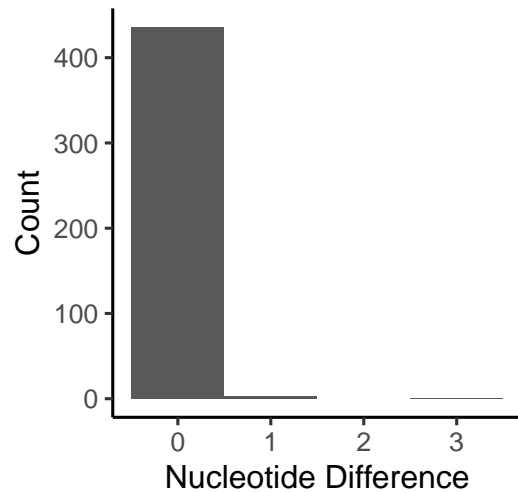
TRBV13*ap01

572 sequences assigned
552 (96.5%) exact matches, in which:
546 unique CDR3
14 unique J



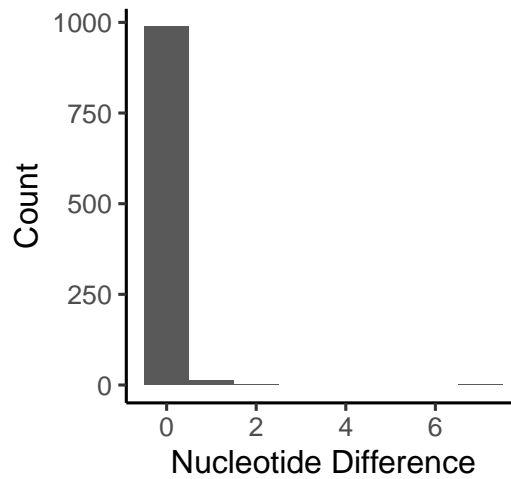
TRBV10–1*ap01

440 sequences assigned
436 (99.1%) exact matches, in which:
433 unique CDR3
14 unique J



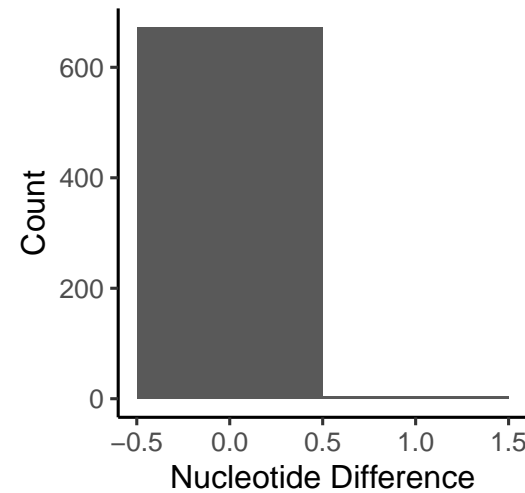
TRBV10–3*ap01

1002 sequences assigned
988 (98.6%) exact matches, in which:
984 unique CDR3
14 unique J



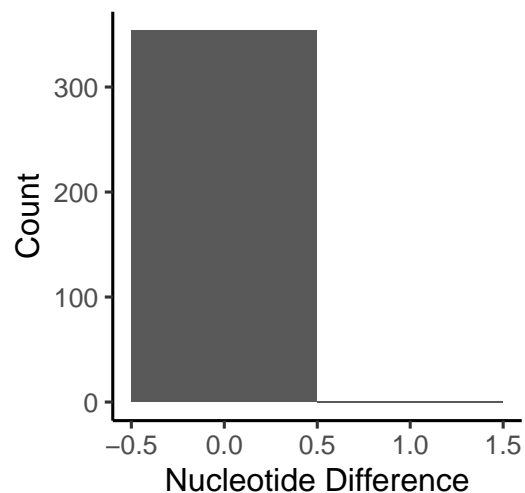
TRBV14*ap01

678 sequences assigned
673 (99.3%) exact matches, in which:
671 unique CDR3
14 unique J



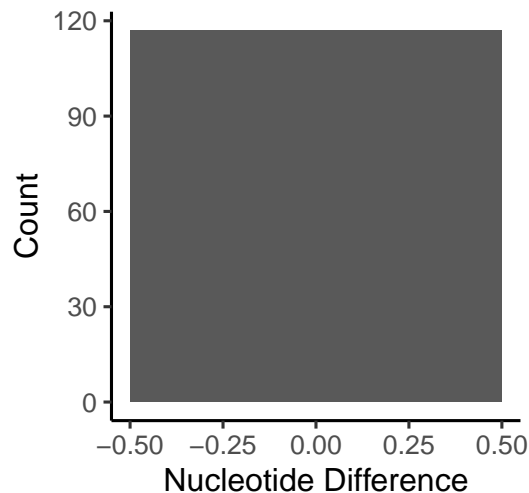
TRBV20–1*ap02

355 sequences assigned
354 (99.7%) exact matches, in which:
352 unique CDR3
14 unique J



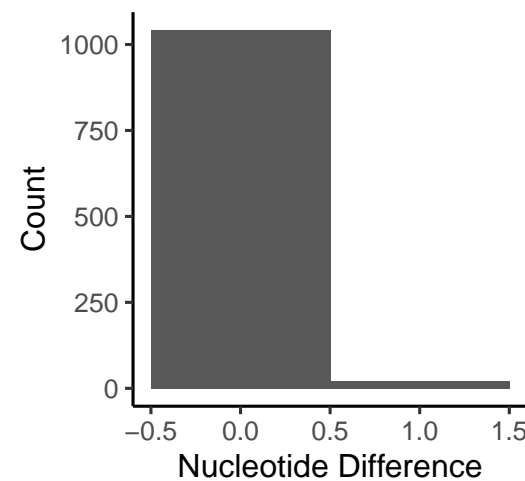
TRBV1*ap01

117 sequences assigned
117 (100%) exact matches, in which:
116 unique CDR3
13 unique J



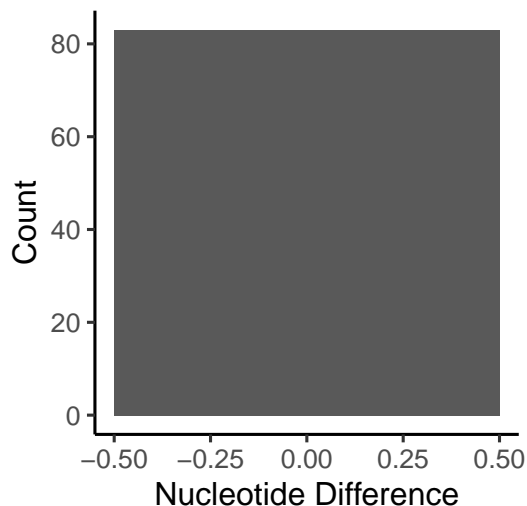
TRBV15*ap02

1063 sequences assigned
1042 (98%) exact matches, in which:
1035 unique CDR3
14 unique J



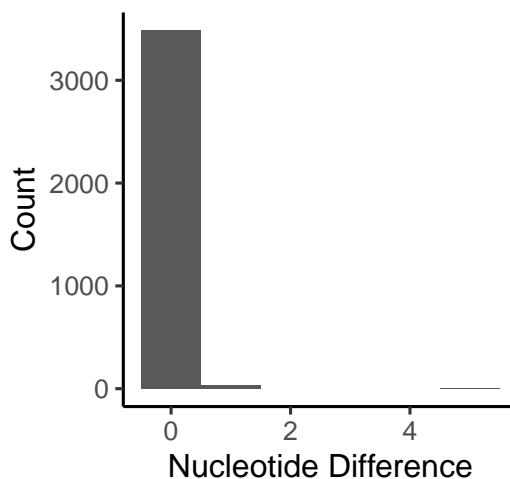
TRBV16*ap01

83 sequences assigned
83 (100%) exact matches, in which:
83 unique CDR3
13 unique J



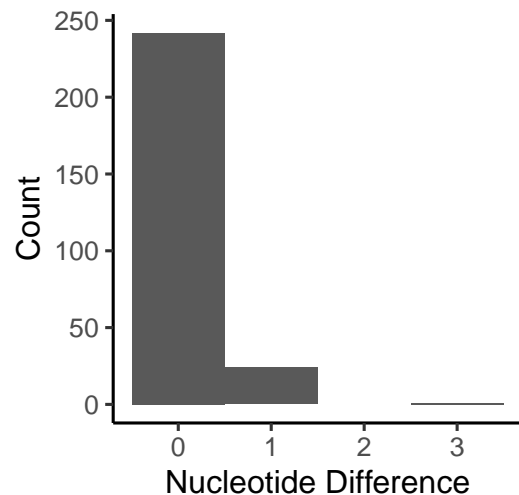
TRBV2*ap01

3519 sequences assigned
3485 (99%) exact matches, in which:
3470 unique CDR3
14 unique J



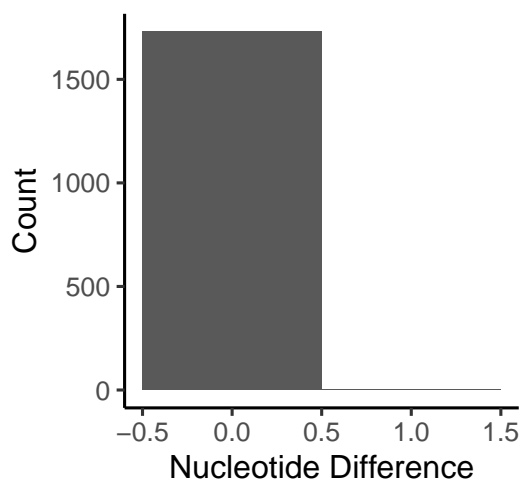
TRBV30*ap02

267 sequences assigned
242 (90.6%) exact matches, in which:
240 unique CDR3
13 unique J



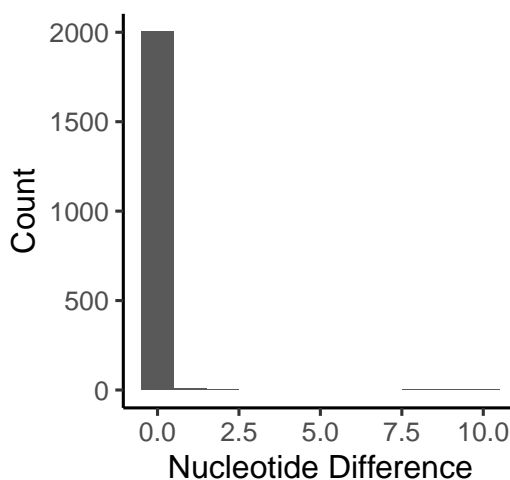
TRBV18*ap01

1733 sequences assigned
1730 (99.8%) exact matches, in which:
1727 unique CDR3
14 unique J



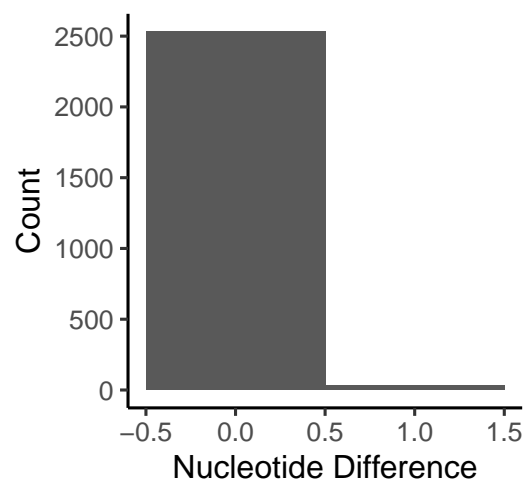
TRBV27*ap01

2016 sequences assigned
2003 (99.4%) exact matches, in which:
1991 unique CDR3
14 unique J



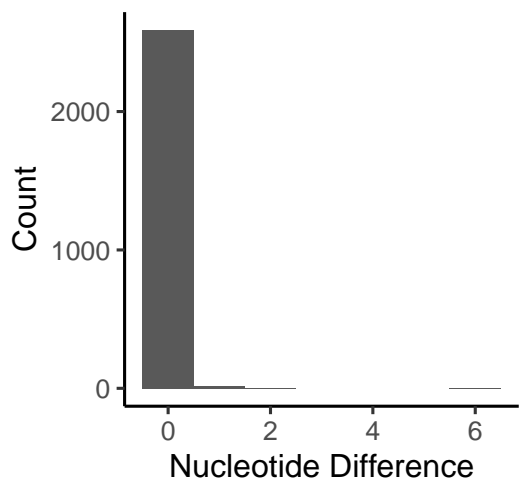
TRBV9*ap01

2565 sequences assigned
2531 (98.7%) exact matches, in which:
2519 unique CDR3
14 unique J



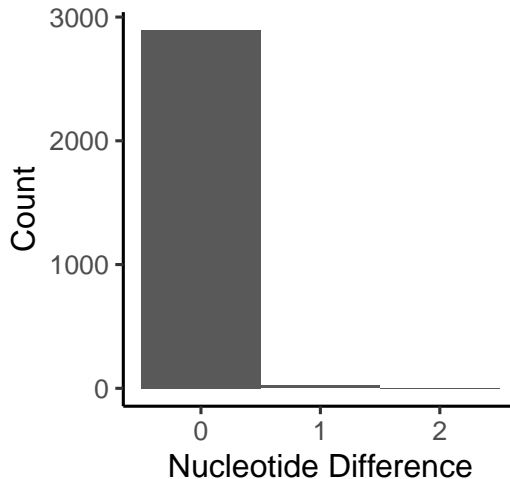
TRBV19*ap01

2611 sequences assigned
2589 (99.2%) exact matches, in which:
2577 unique CDR3
14 unique J



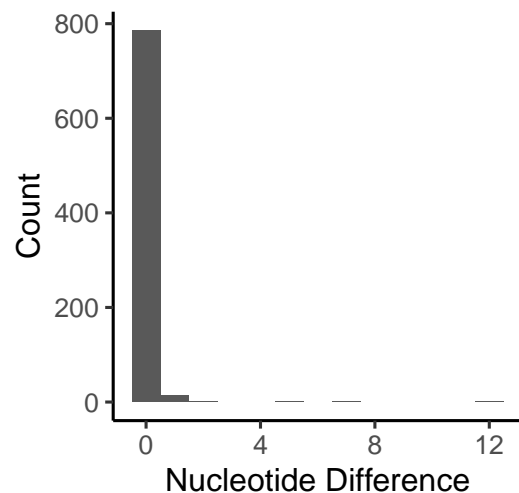
TRBV28*ap01

2919 sequences assigned
2895 (99.2%) exact matches, in which:
2881 unique CDR3
14 unique J



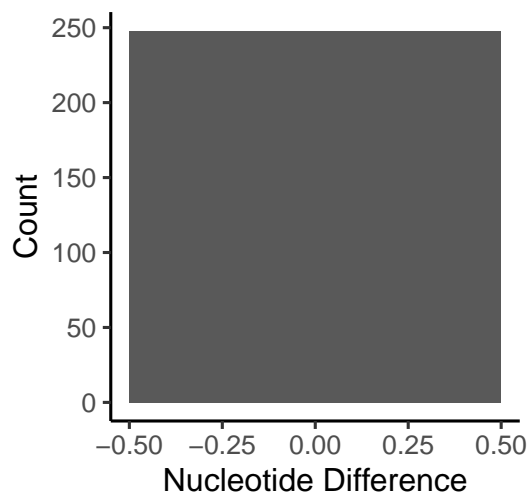
TRBV21-1*ap01

805 sequences assigned
786 (97.6%) exact matches, in which:
785 unique CDR3
14 unique J



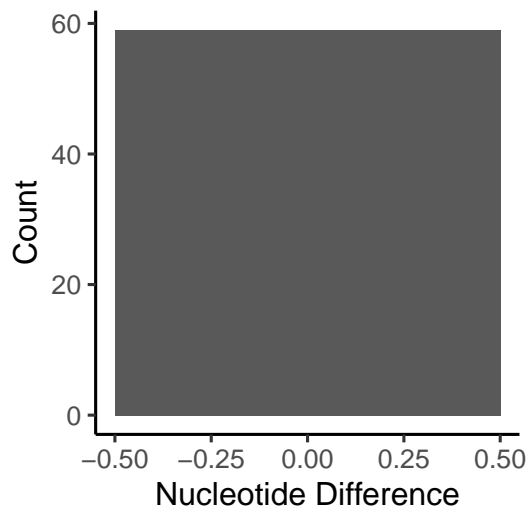
TRBV11-1*ap01

248 sequences assigned
248 (100%) exact matches, in which:
247 unique CDR3
14 unique J



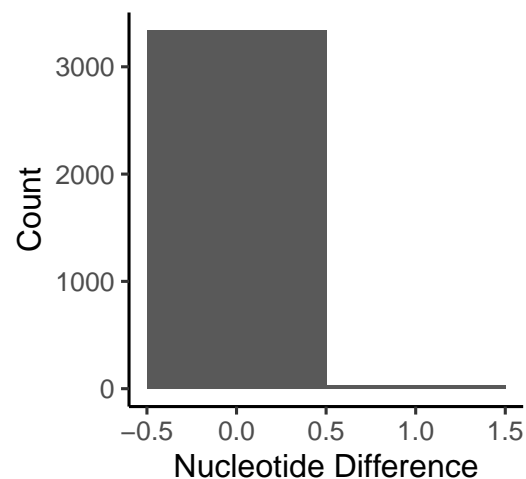
TRBV12-1*ap01

59 sequences assigned
59 (100%) exact matches, in which:
59 unique CDR3
11 unique J



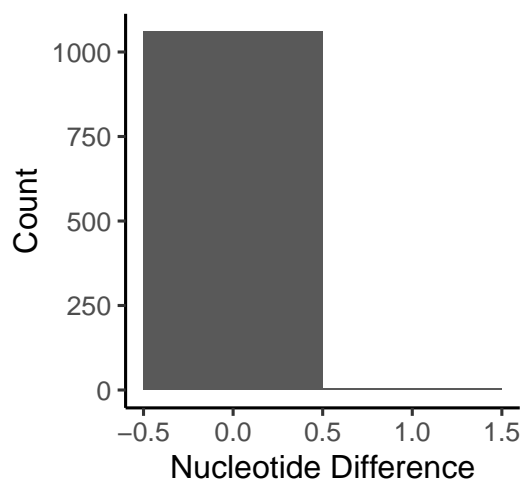
TRBV12-34*ap01

3372 sequences assigned
3339 (99%) exact matches, in which:
3320 unique CDR3
14 unique J



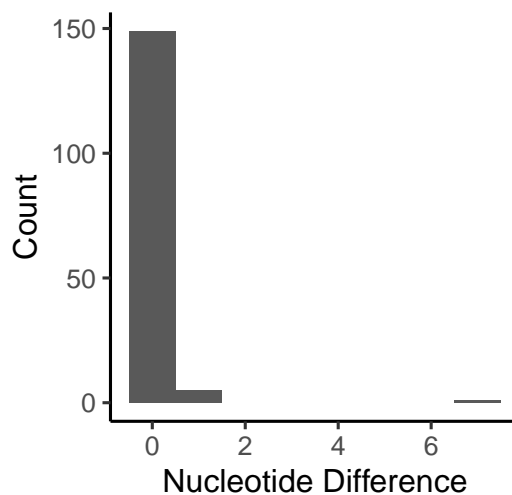
TRBV11-2*ap01

1063 sequences assigned
1060 (99.7%) exact matches, in which:
1053 unique CDR3
14 unique J



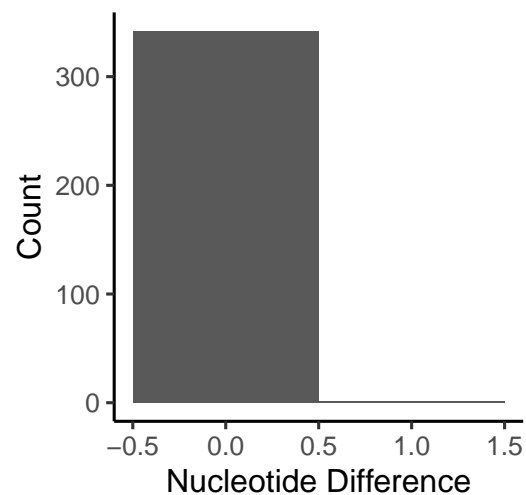
TRBV12-2*ap01

155 sequences assigned
149 (96.1%) exact matches, in which:
146 unique CDR3
13 unique J



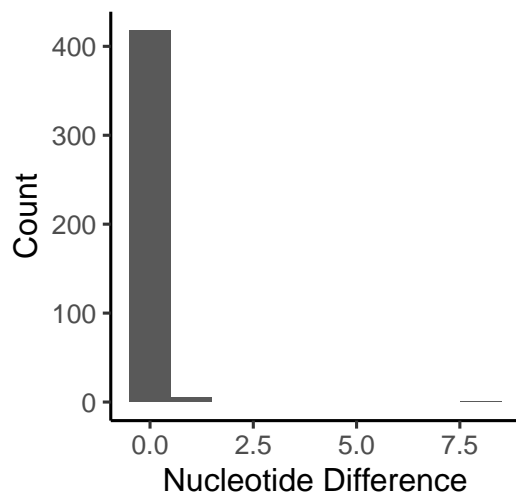
TRBV23-1*ap01

343 sequences assigned
342 (99.7%) exact matches, in which:
341 unique CDR3
14 unique J



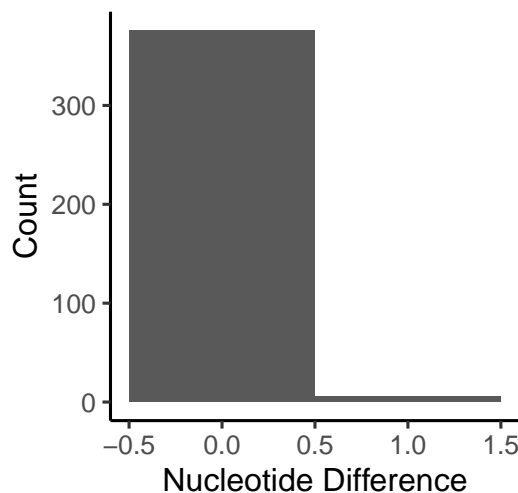
TRBV11-3*ap01

424 sequences assigned
418 (98.6%) exact matches, in which:
415 unique CDR3
14 unique J



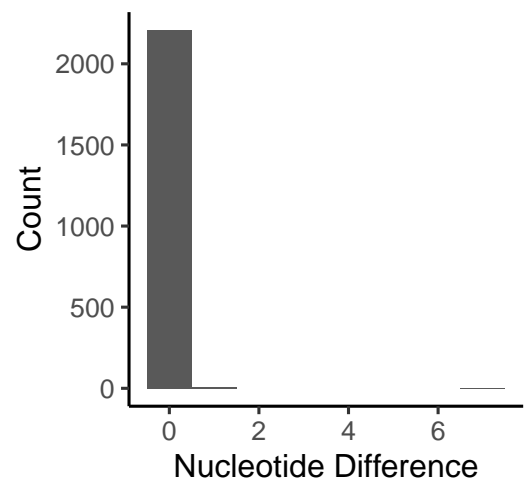
TRBV12-5*ap01

382 sequences assigned
376 (98.4%) exact matches, in which:
372 unique CDR3
14 unique J



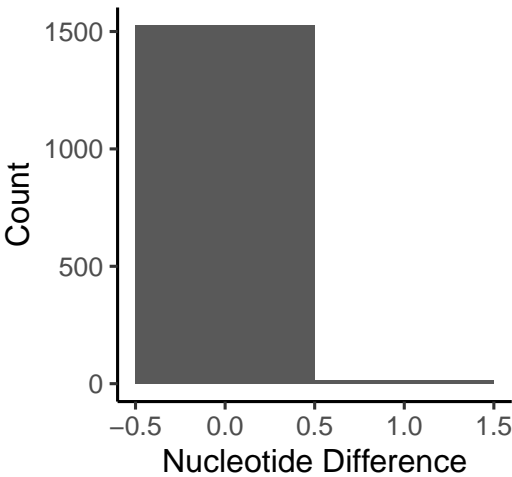
TRBV3-12*ap01

2219 sequences assigned
2208 (99.5%) exact matches, in which:
2195 unique CDR3
14 unique J



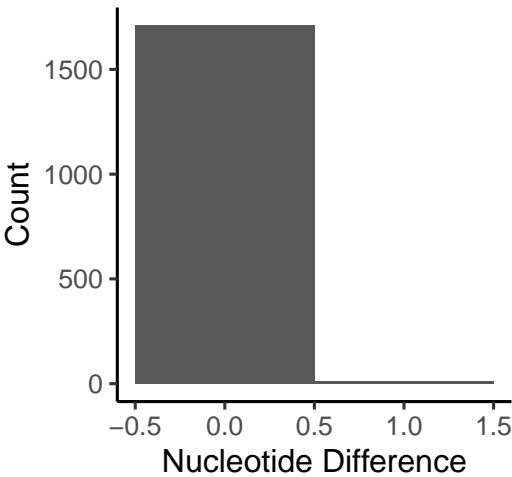
TRBV4-1*ap01

1539 sequences assigned
1526 (99.2%) exact matches, in which:
1511 unique CDR3
14 unique J



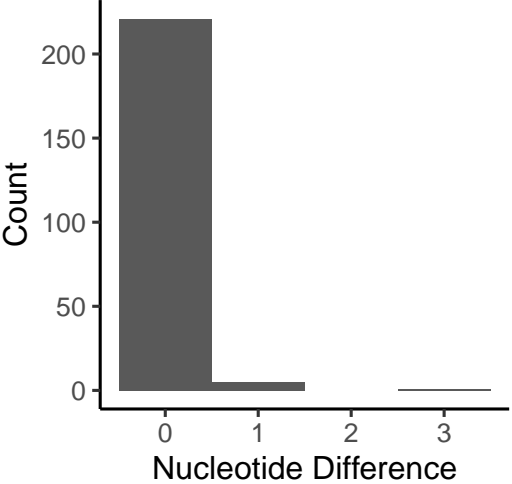
TRBV4-3*ap01

1722 sequences assigned
1710 (99.3%) exact matches, in which:
1699 unique CDR3
14 unique J



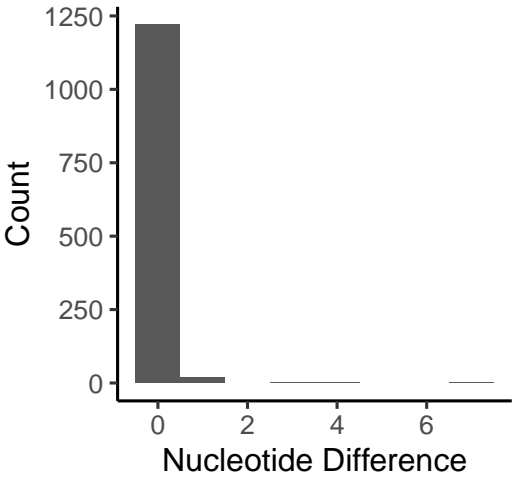
TRBV5-3*ap01

227 sequences assigned
221 (97.4%) exact matches, in which:
218 unique CDR3
12 unique J



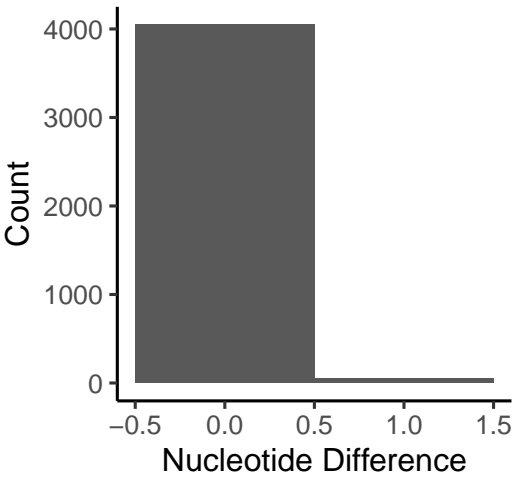
TRBV24-1*ap01

1243 sequences assigned
1220 (98.1%) exact matches, in which:
1211 unique CDR3
14 unique J



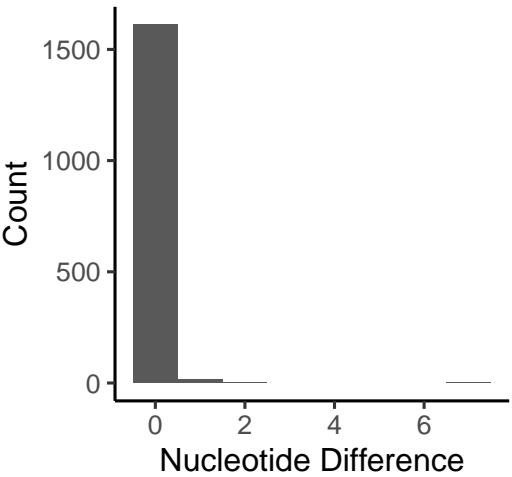
TRBV5-1*ap01

4094 sequences assigned
4048 (98.9%) exact matches, in which:
4023 unique CDR3
14 unique J



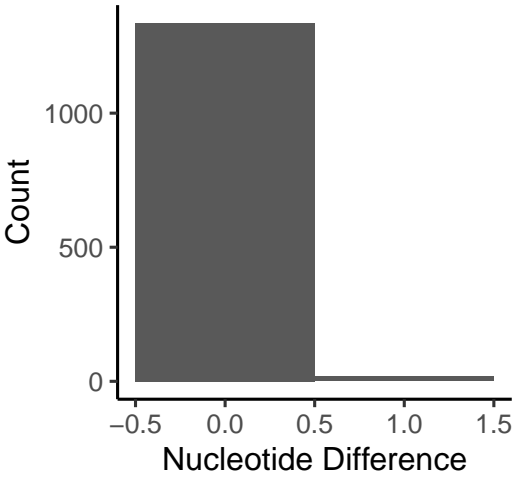
TRBV5-4*ap01

1629 sequences assigned
1611 (98.9%) exact matches, in which:
1604 unique CDR3
14 unique J



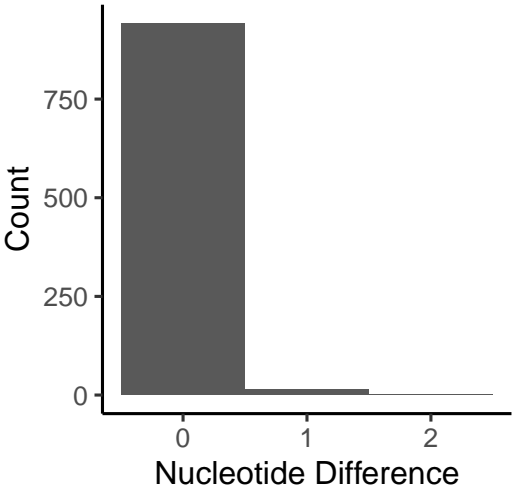
TRBV4-2*ap01

1354 sequences assigned
1336 (98.7%) exact matches, in which:
1326 unique CDR3
14 unique J



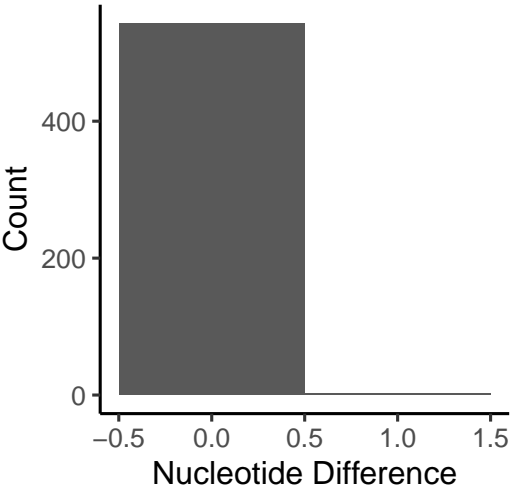
TRBV25-1*ap01

956 sequences assigned
942 (98.5%) exact matches, in which:
934 unique CDR3
14 unique J



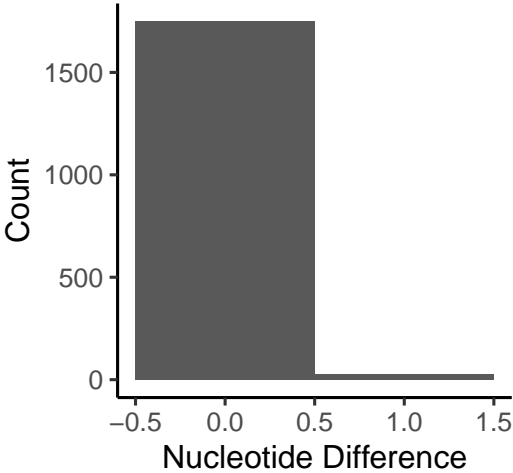
TRBV5-5*ap01

545 sequences assigned
543 (99.6%) exact matches, in which:
540 unique CDR3
14 unique J



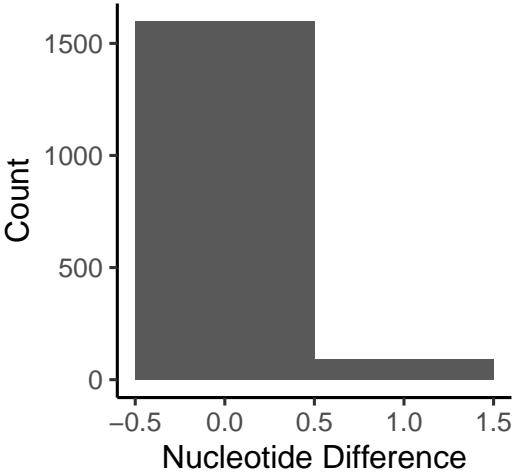
TRBV5-6*ap01

1775 sequences assigned
1749 (98.5%) exact matches, in which:
1733 unique CDR3
14 unique J



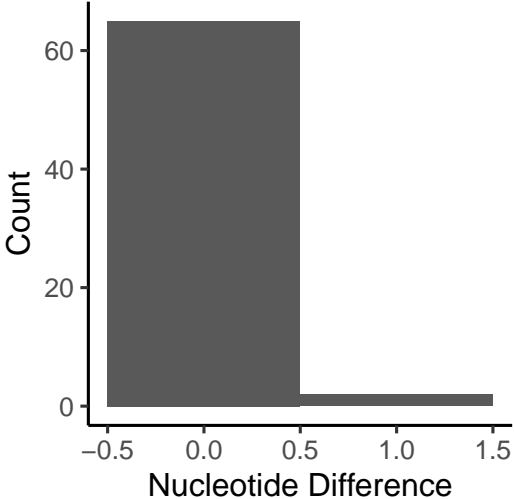
TRBV6-1*ap01

1688 sequences assigned
1598 (94.7%) exact matches, in which:
1580 unique CDR3
14 unique J



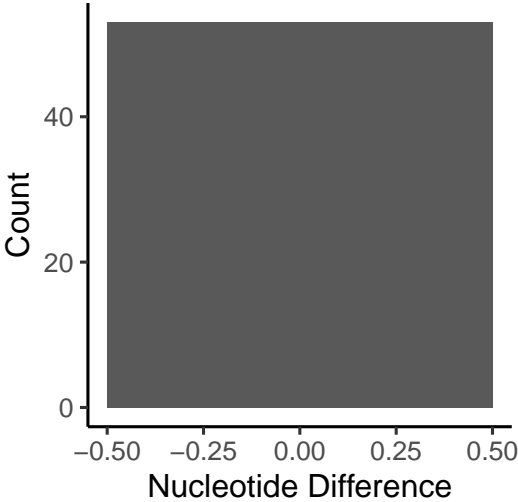
TRBV6-8*ap01

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



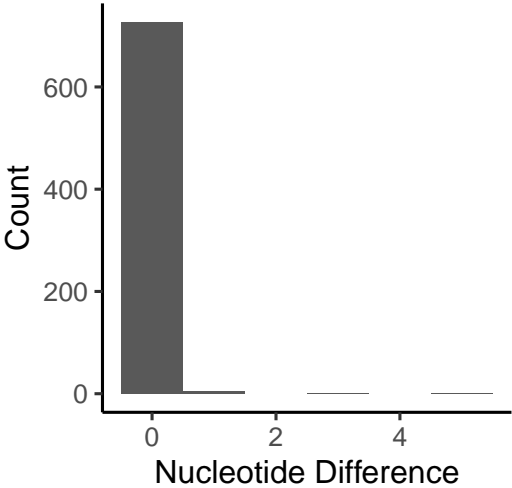
TRBV5-7*ap01

53 sequences assigned
53 (100%) exact matches, in which:
53 unique CDR3
13 unique J



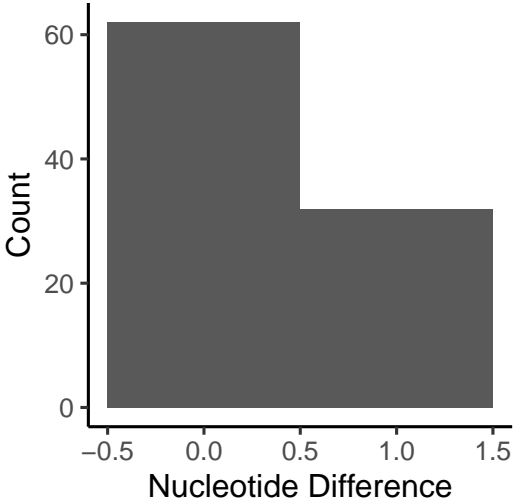
TRBV6-4*ap01

734 sequences assigned
727 (99%) exact matches, in which:
724 unique CDR3
14 unique J



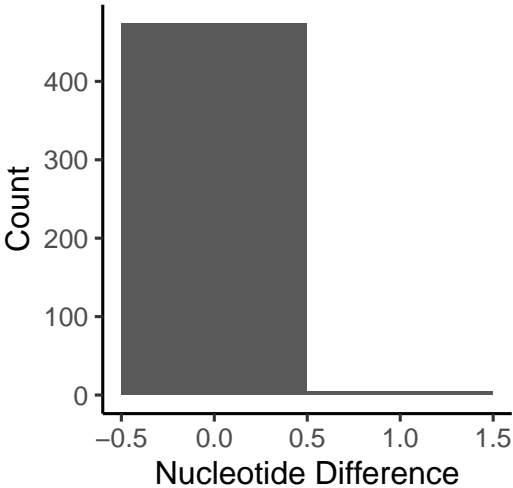
TRBV6-9*ap01

94 sequences assigned
62 (66%) exact matches, in which:
62 unique CDR3
13 unique J



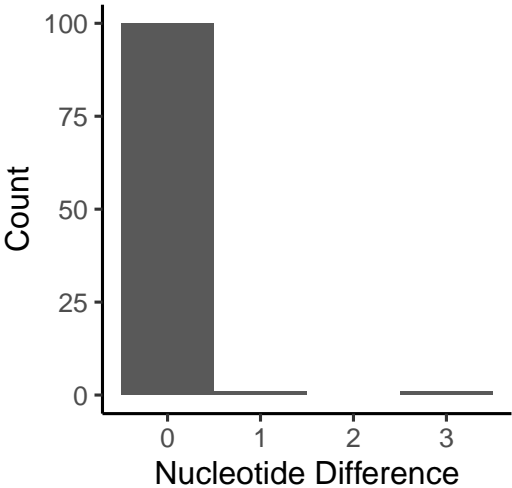
TRBV5-8*ap01

479 sequences assigned
474 (99%) exact matches, in which:
472 unique CDR3
14 unique J



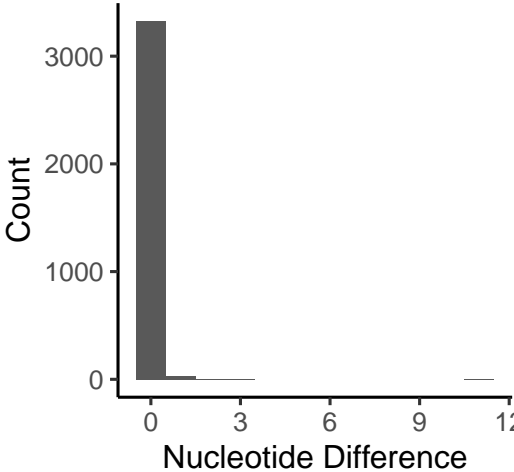
TRBV6-7*ap01

102 sequences assigned
100 (98%) exact matches, in which:
97 unique CDR3
14 unique J



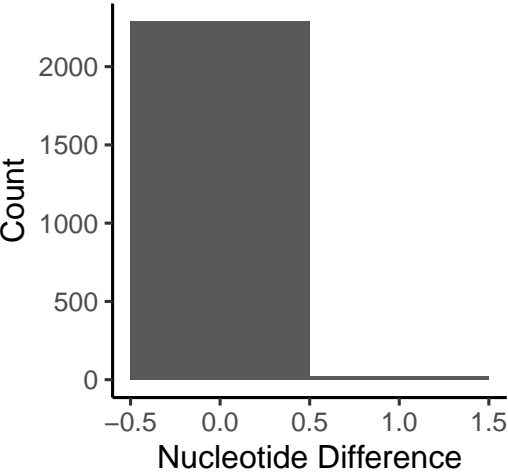
TRBV6-23*ap01

3361 sequences assigned
3326 (99%) exact matches, in which:
3294 unique CDR3
14 unique J



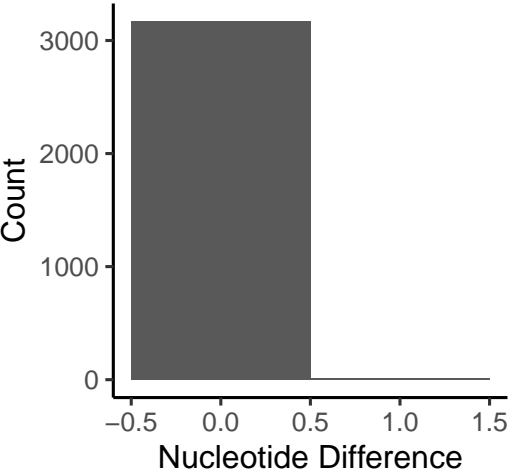
TRBV6-56*ap01

2312 sequences assigned
2289 (99%) exact matches, in which:
2265 unique CDR3
14 unique J



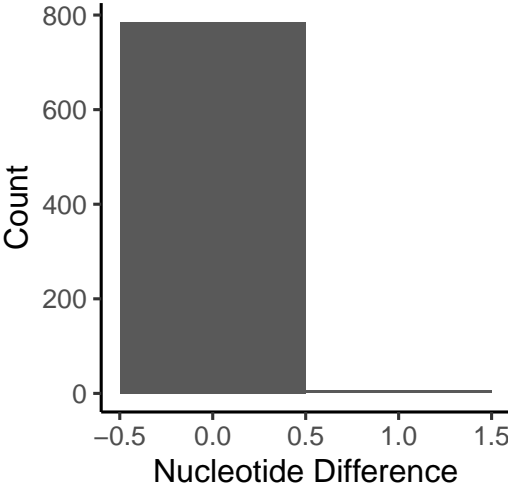
TRBV7-2*ap01

3185 sequences assigned
3169 (99.5%) exact matches, in which:
3160 unique CDR3
14 unique J



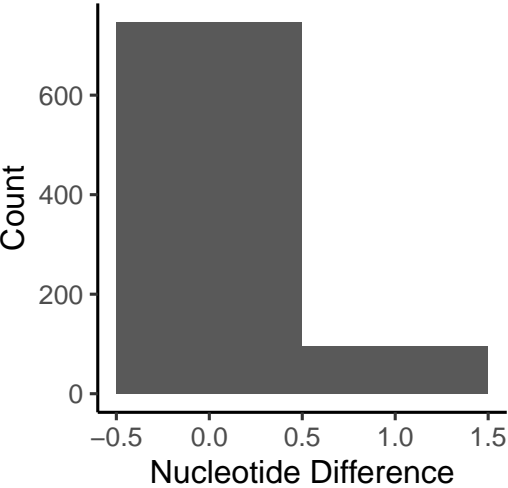
TRBV7-6*ap01

792 sequences assigned
786 (99.2%) exact matches, in which:
783 unique CDR3
14 unique J



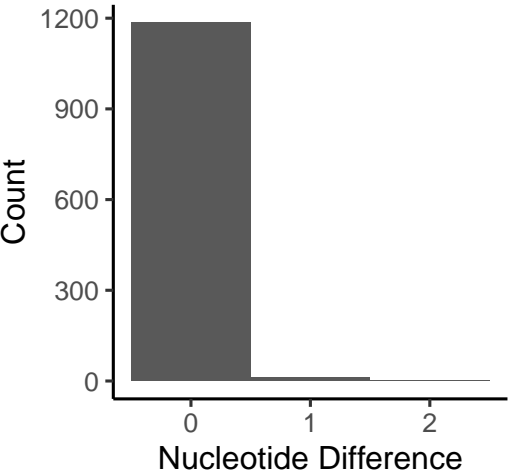
TRBV6-56*ap02

843 sequences assigned
747 (88.6%) exact matches, in which:
742 unique CDR3
14 unique J



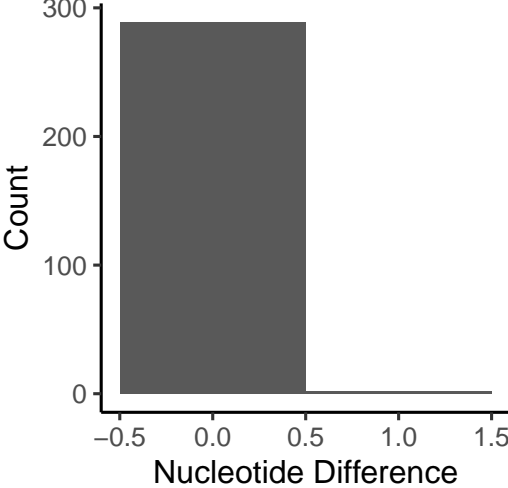
TRBV7-3*ap01

1197 sequences assigned
1185 (99%) exact matches, in which:
1180 unique CDR3
14 unique J



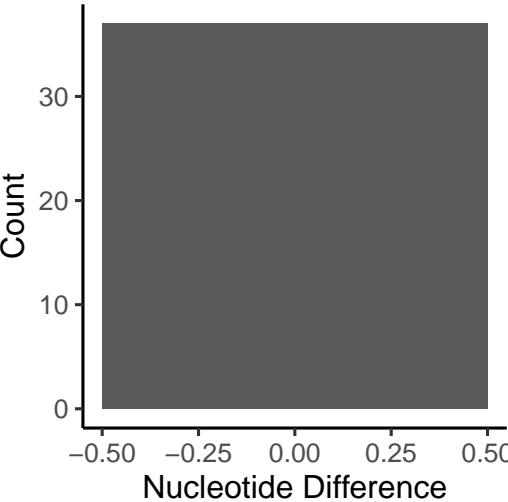
TRBV7-7*ap01_C315T

291 sequences assigned
289 (99.3%) exact matches, in which:
287 unique CDR3
14 unique J



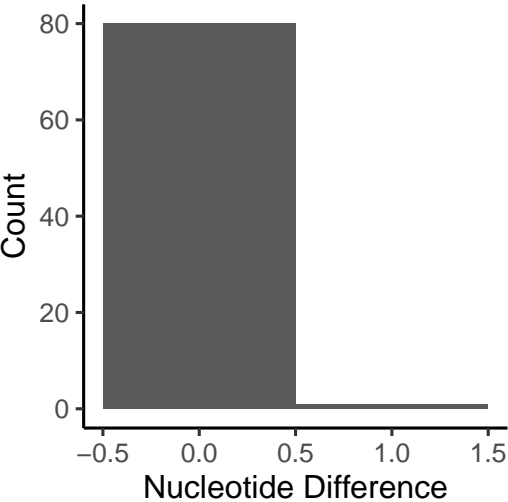
TRBV7-1*ap01_G291C_T

37 sequences assigned
37 (100%) exact matches, in which:
37 unique CDR3
13 unique J



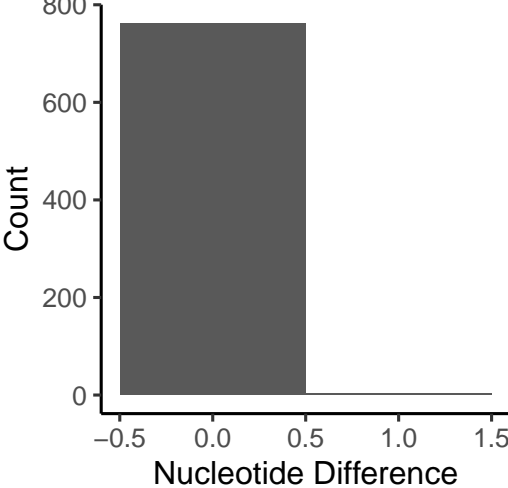
TRBV7-4*ap01

81 sequences assigned
80 (98.8%) exact matches, in which:
80 unique CDR3
12 unique J



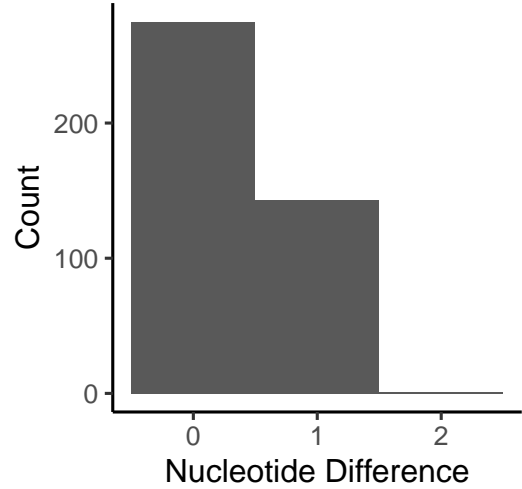
TRBV7-8*ap01

765 sequences assigned
762 (99.6%) exact matches, in which:
759 unique CDR3
14 unique J



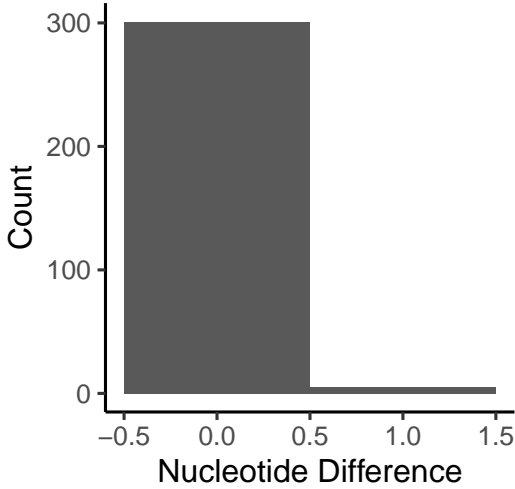
TRBV7-8*ap03

419 sequences assigned
275 (65.6%) exact matches, in which:
273 unique CDR3
14 unique J



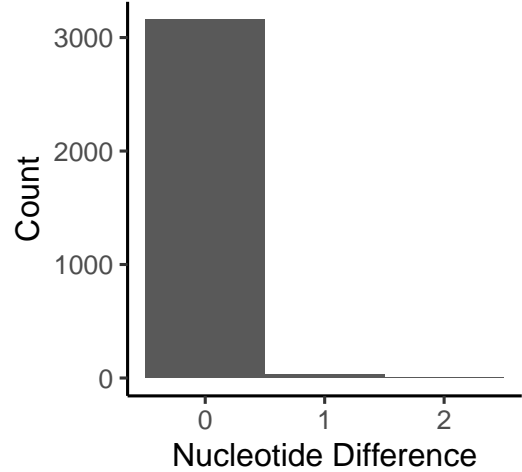
TRBV29-1*ap02

306 sequences assigned
301 (98.4%) exact matches, in which:
300 unique CDR3
14 unique J



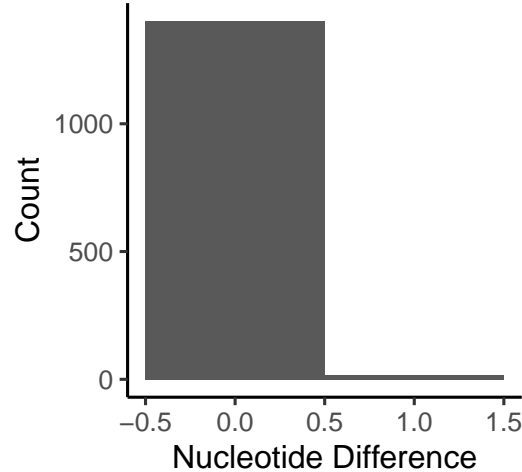
TRBV7-9*ap01

3186 sequences assigned
3157 (99.1%) exact matches, in which:
3137 unique CDR3
14 unique J

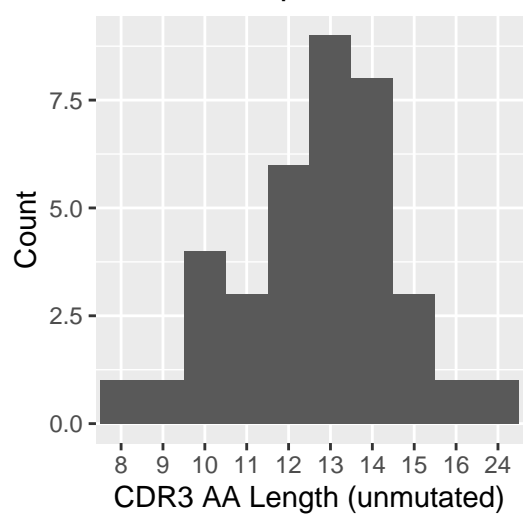


TRBV29-1*ap01

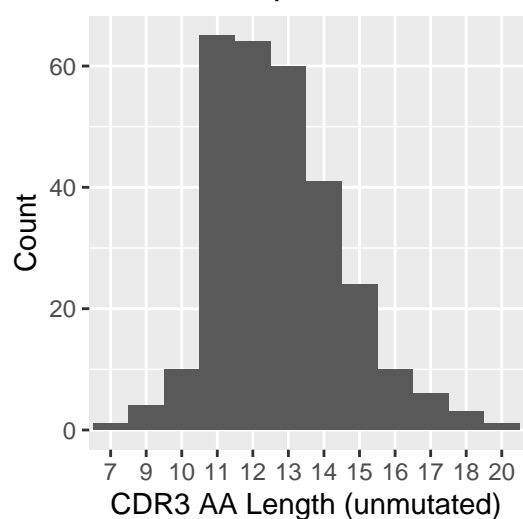
1418 sequences assigned
1402 (98.9%) exact matches, in which:
1386 unique CDR3
14 unique J

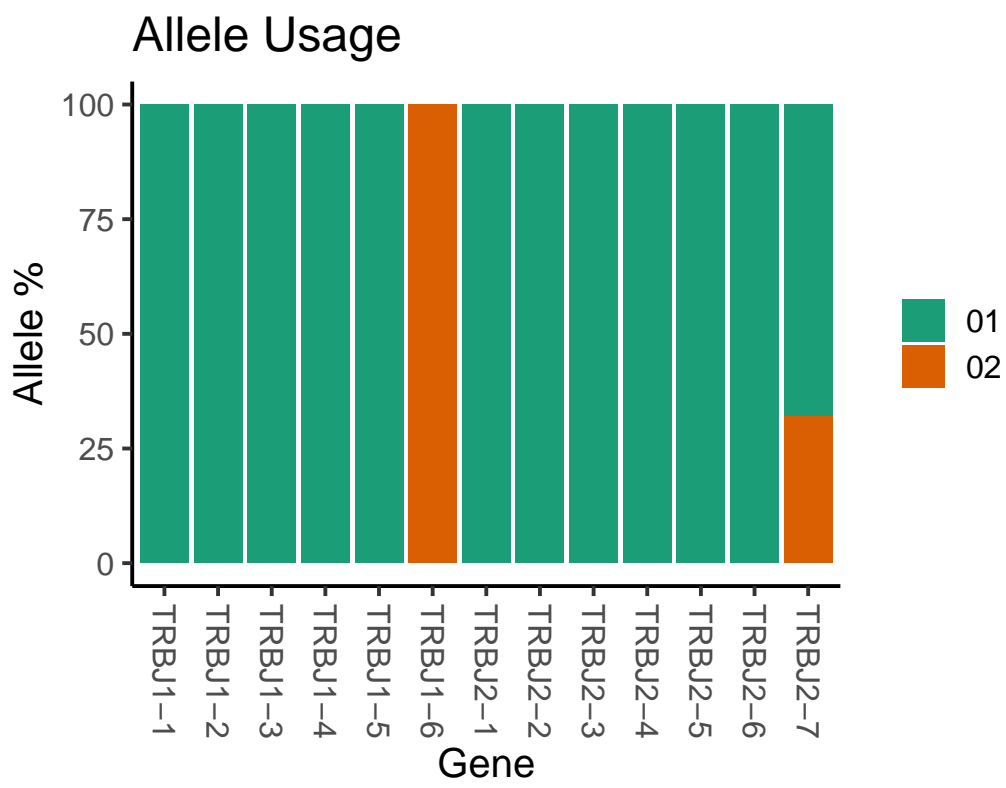


TRBV7-1*ap01_G291C_T296C

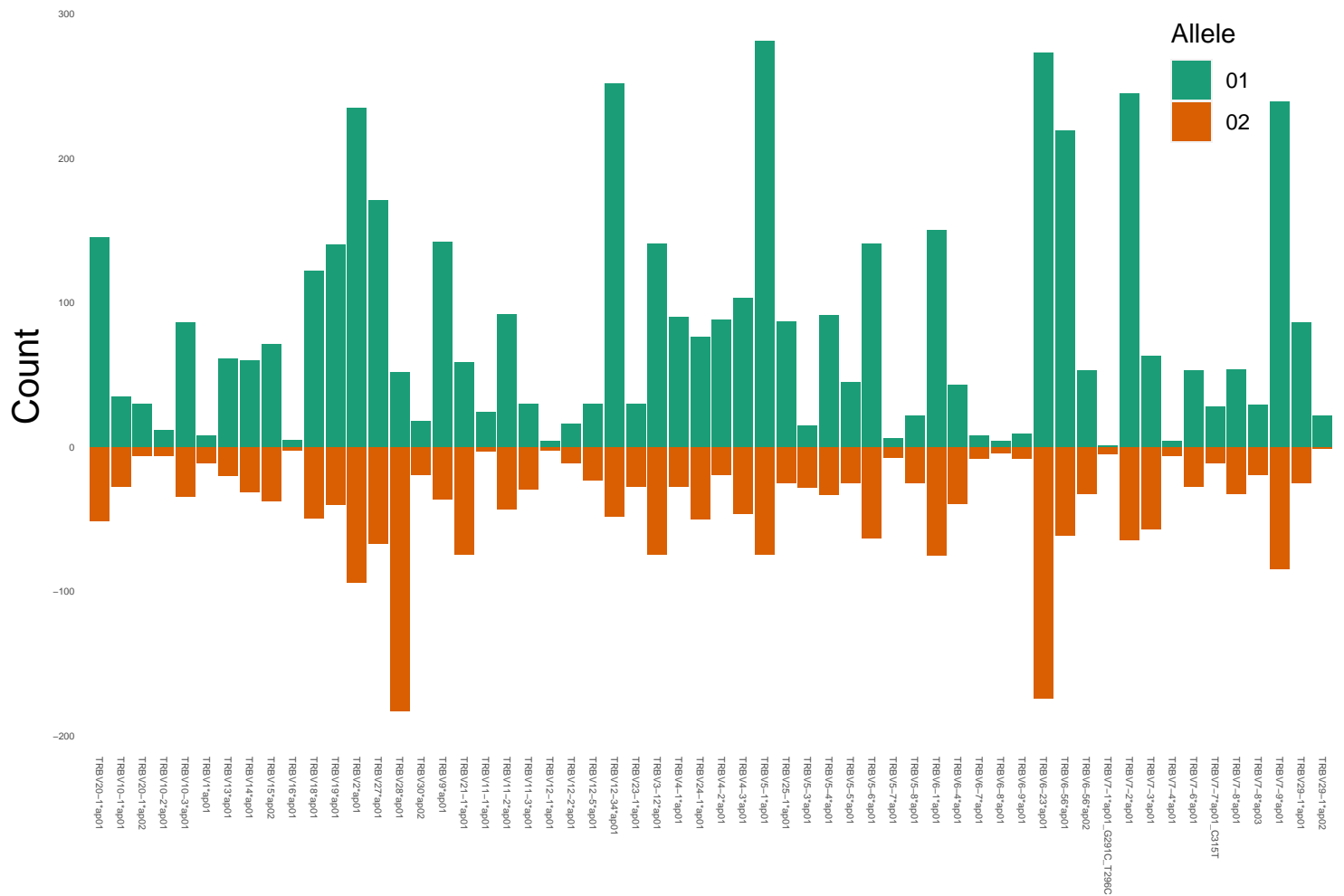


TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage



[illegible]