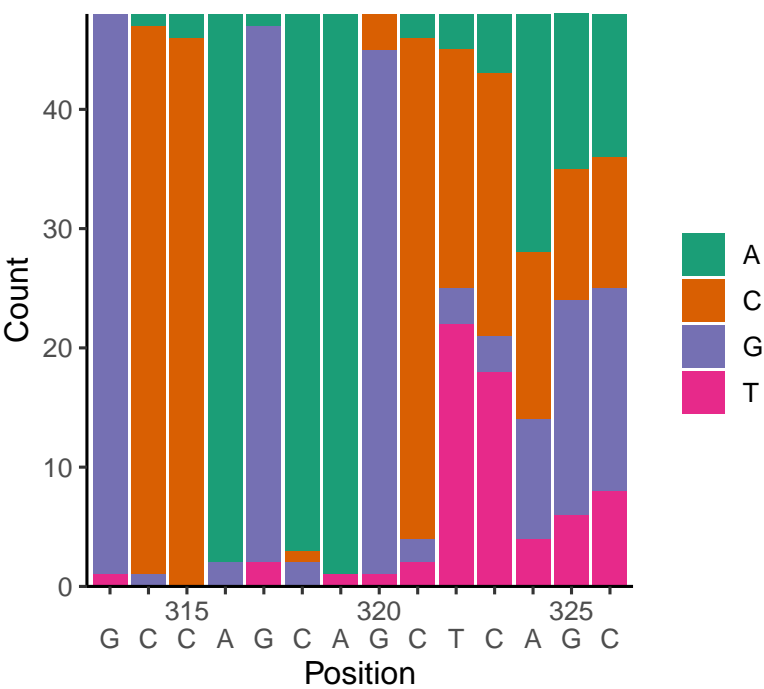
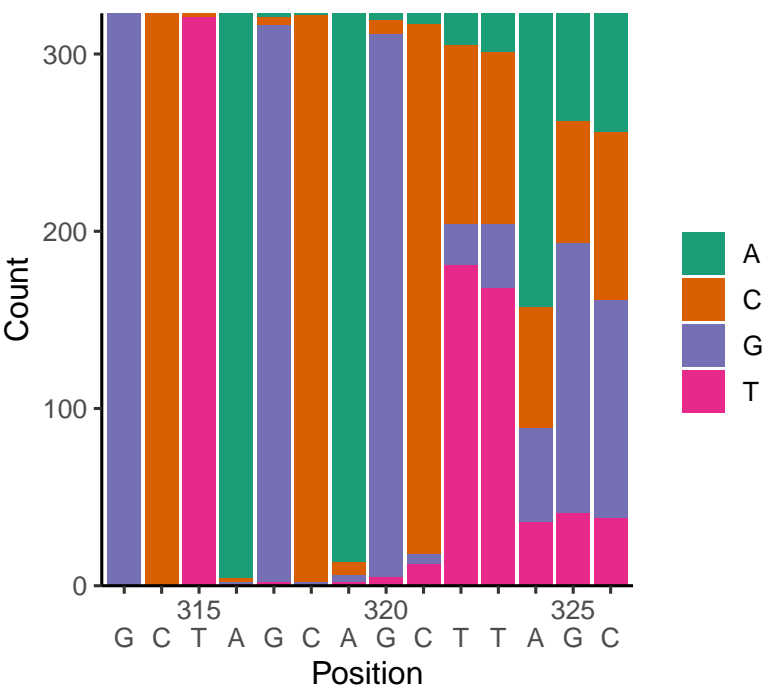


Gene TRBV7-1*ap01_G291C_T296C



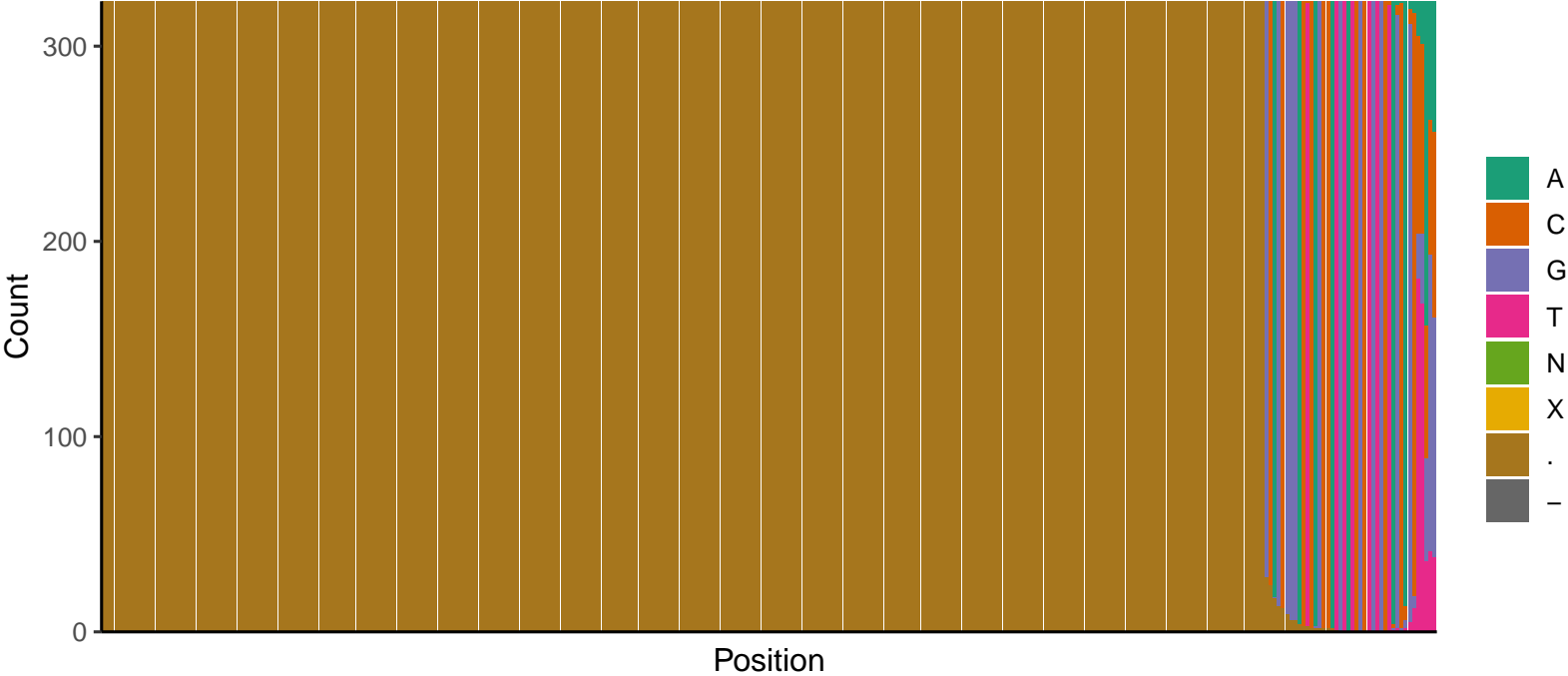
Gene TRBV7-7*ap01_C315T



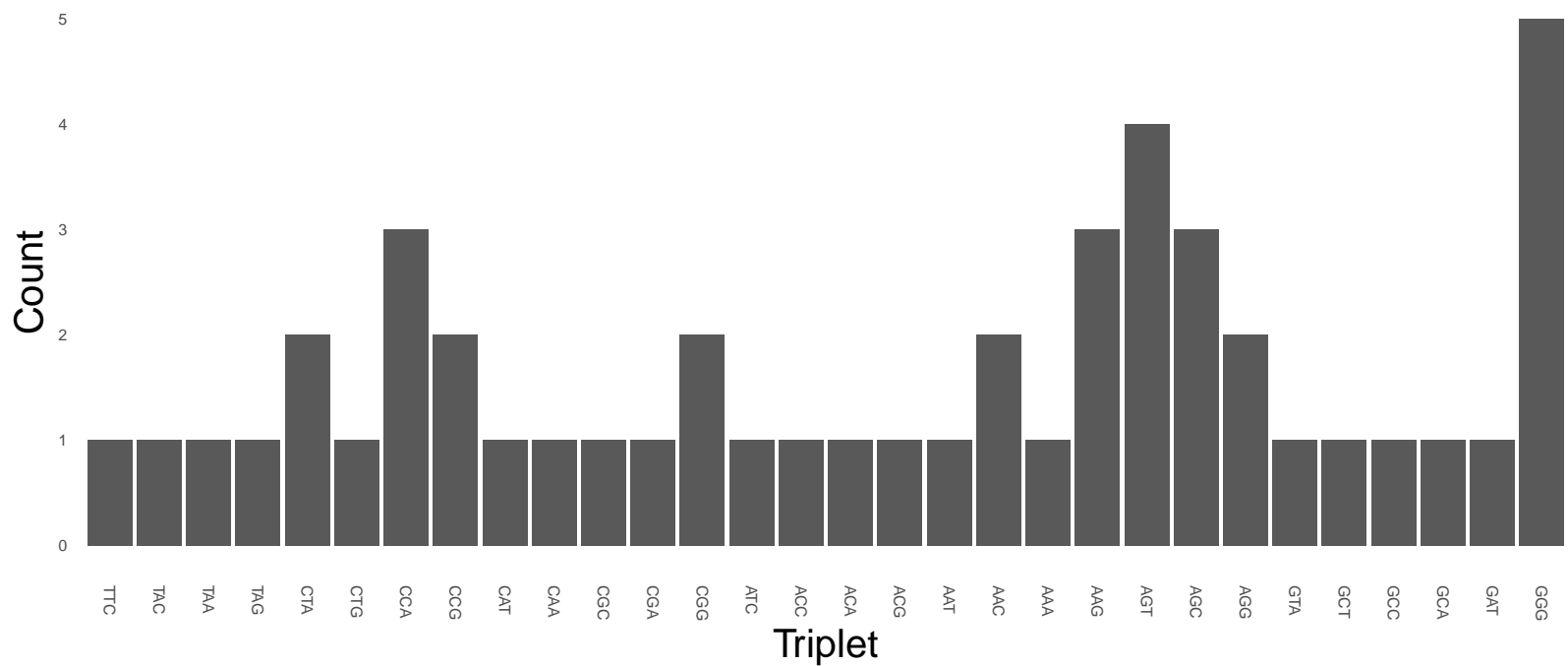
Gene TRBV7-1*ap01_G291C_T296C



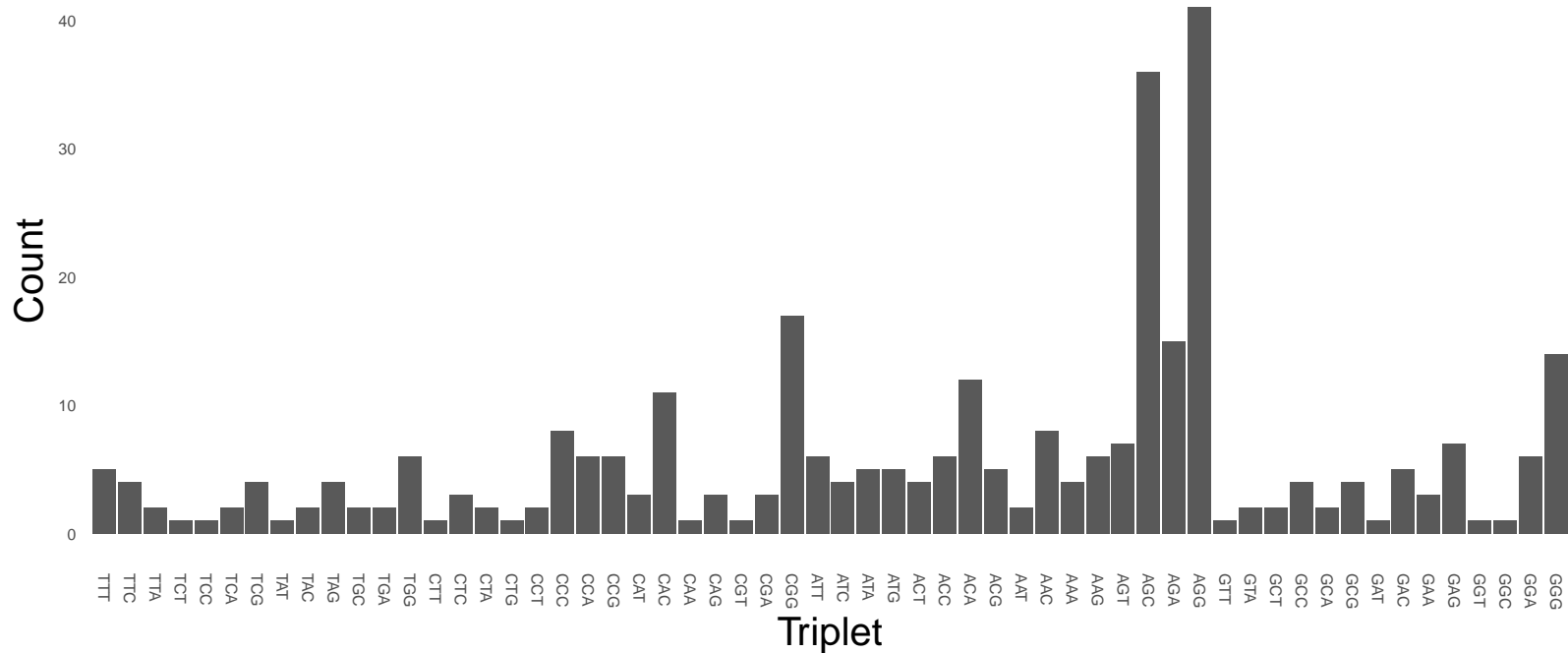
Gene TRBV7-7*ap01_C315T



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

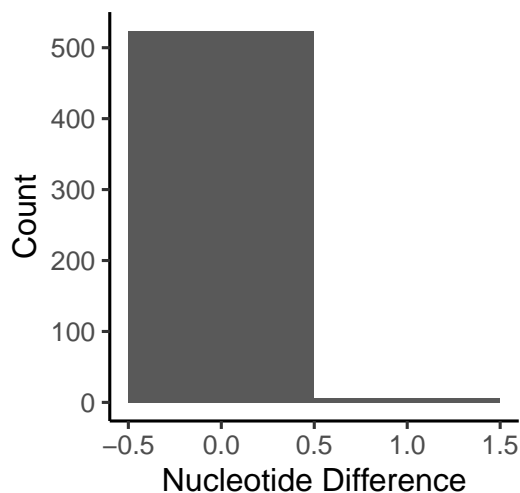


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



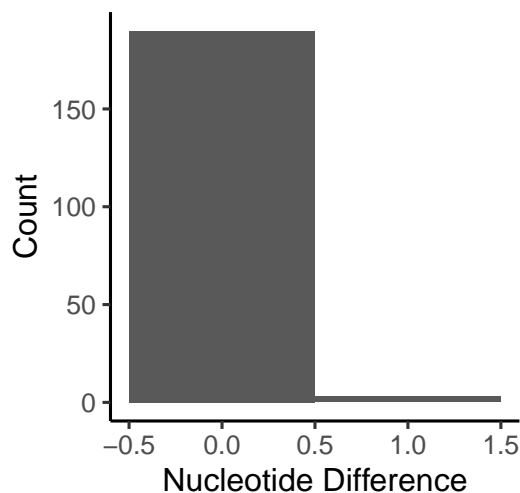
TRBV10–1*ap01

530 sequences assigned
524 (98.9%) exact matches, in which:
506 unique CDR3
13 unique J



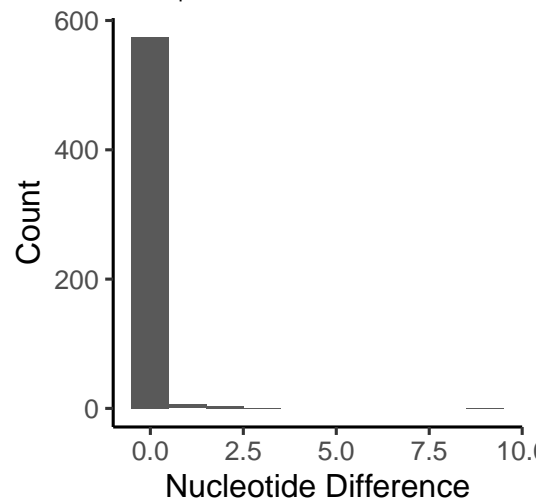
TRBV10–2*ap01

193 sequences assigned
190 (98.4%) exact matches, in which:
180 unique CDR3
13 unique J



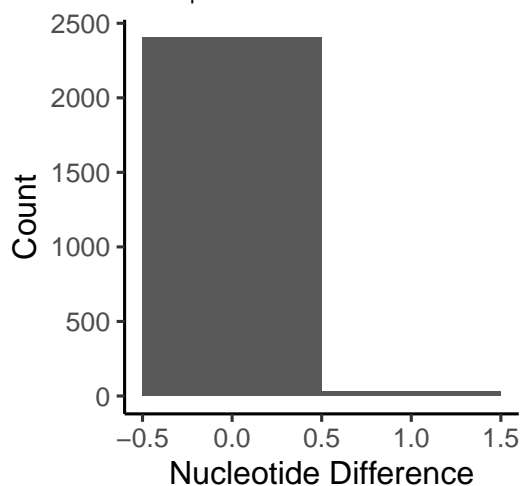
TRBV13*ap01

587 sequences assigned
575 (98%) exact matches, in which:
548 unique CDR3
13 unique J



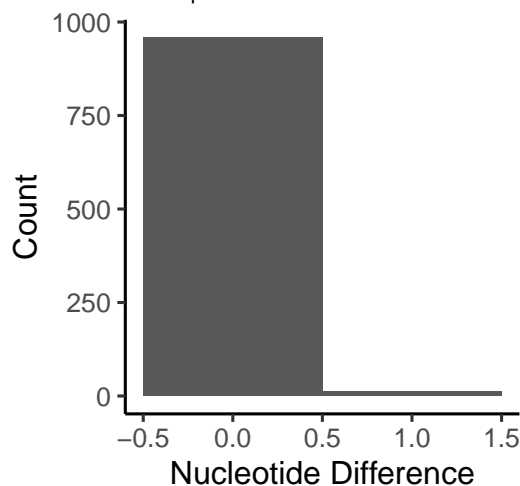
TRBV20–1*ap01

2430 sequences assigned
2403 (98.9%) exact matches, in which:
2340 unique CDR3
13 unique J



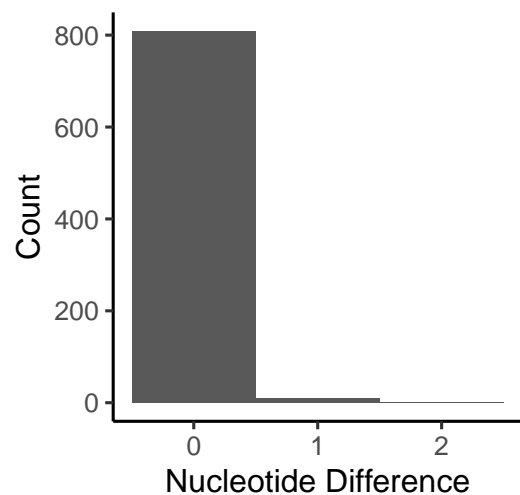
TRBV10–3*ap01

970 sequences assigned
958 (98.8%) exact matches, in which:
916 unique CDR3
13 unique J



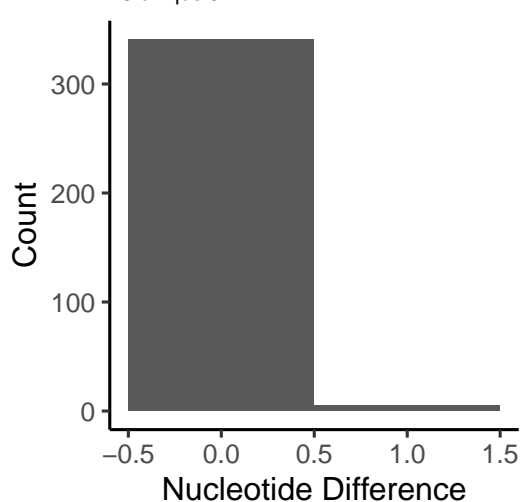
TRBV14*ap01

819 sequences assigned
809 (98.8%) exact matches, in which:
784 unique CDR3
13 unique J



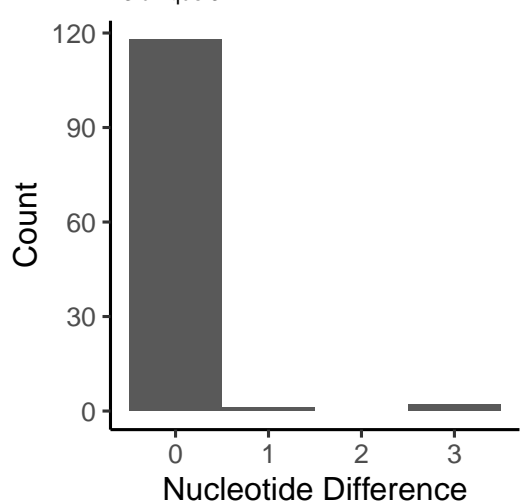
TRBV20–1*ap02

346 sequences assigned
341 (98.6%) exact matches, in which:
330 unique CDR3
13 unique J



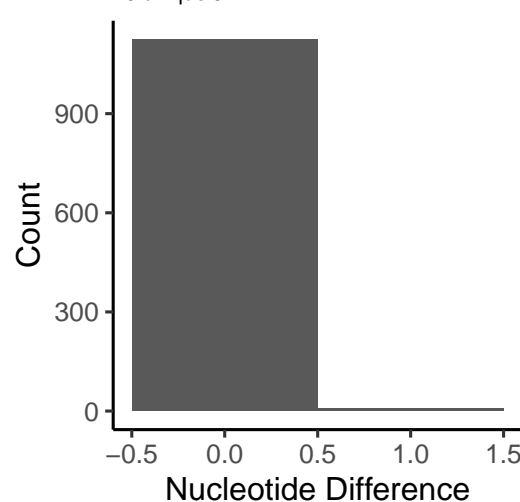
TRBV1*ap01

121 sequences assigned
118 (97.5%) exact matches, in which:
116 unique CDR3
13 unique J



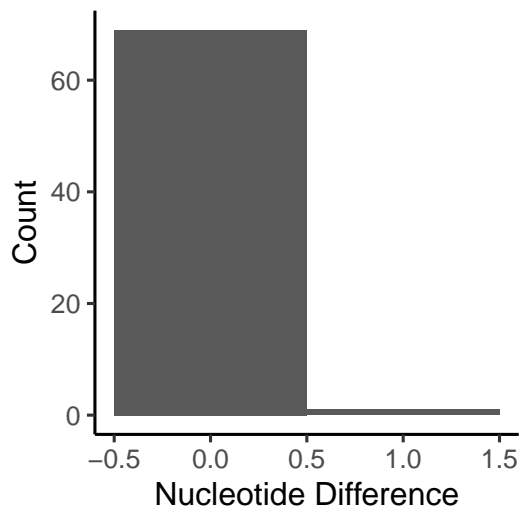
TRBV15*ap02

1134 sequences assigned
1125 (99.2%) exact matches, in which:
1086 unique CDR3
13 unique J



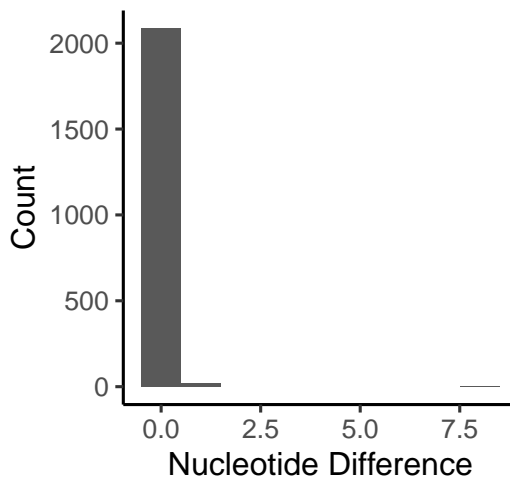
TRBV16*ap01

70 sequences assigned
69 (98.6%) exact matches, in which:
67 unique CDR3
12 unique J



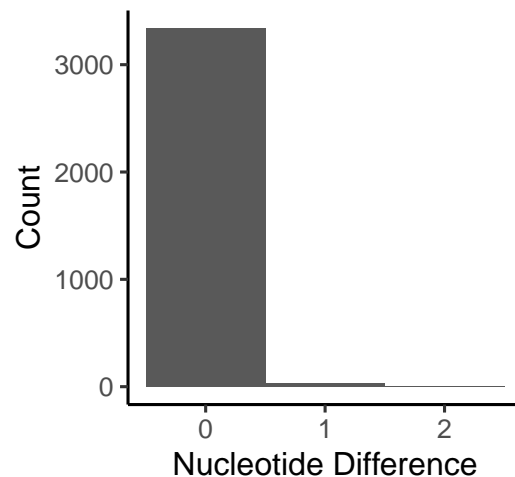
TRBV2*ap01

2110 sequences assigned
2086 (98.9%) exact matches, in which:
2022 unique CDR3
13 unique J



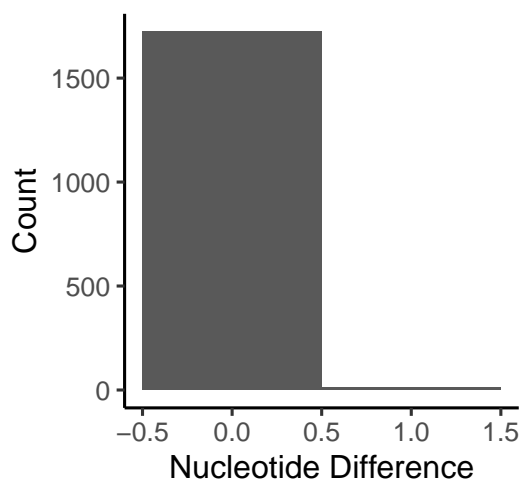
TRBV28*ap01

3375 sequences assigned
3338 (98.9%) exact matches, in which:
3235 unique CDR3
13 unique J



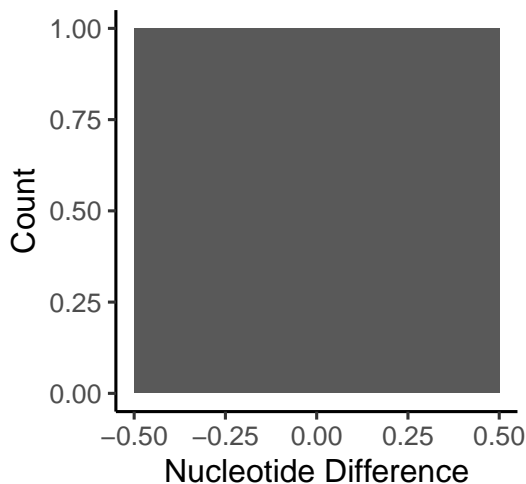
TRBV18*ap01

1737 sequences assigned
1723 (99.2%) exact matches, in which:
1688 unique CDR3
13 unique J



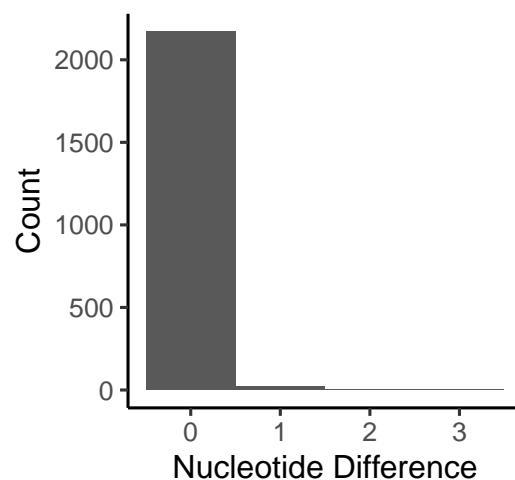
TRBV26*ap01

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



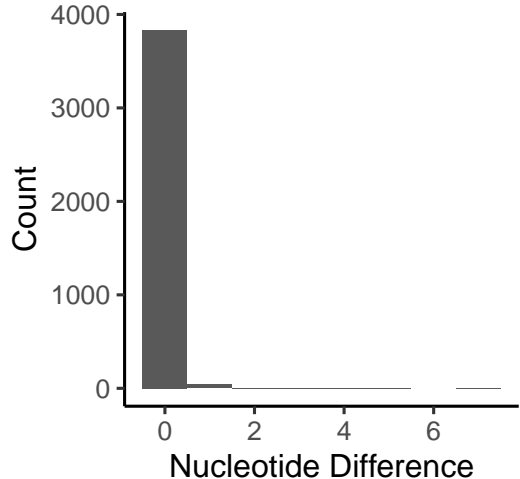
TRBV30*ap01

2193 sequences assigned
2170 (99%) exact matches, in which:
2132 unique CDR3
13 unique J



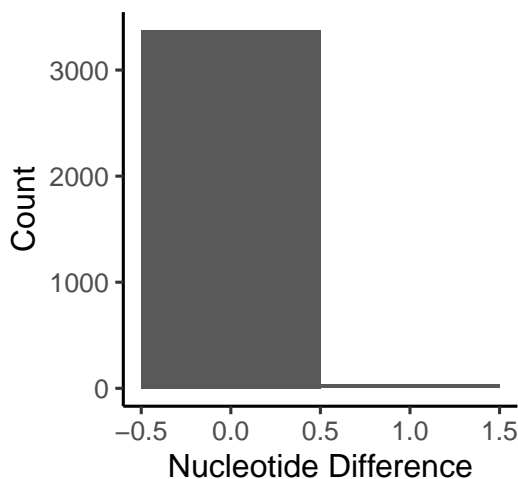
TRBV19*ap01

3885 sequences assigned
3833 (98.7%) exact matches, in which:
3750 unique CDR3
13 unique J



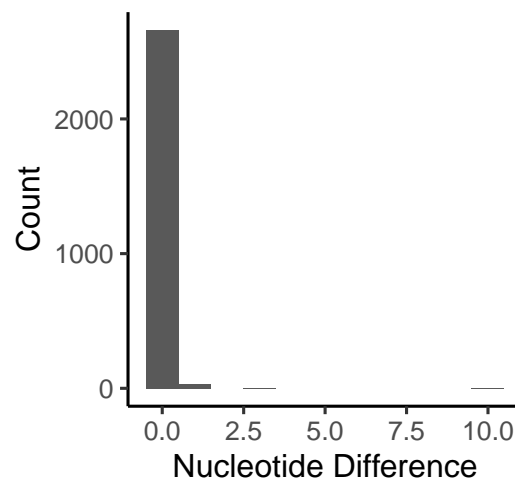
TRBV27*ap01

3414 sequences assigned
3377 (98.9%) exact matches, in which:
3262 unique CDR3
13 unique J



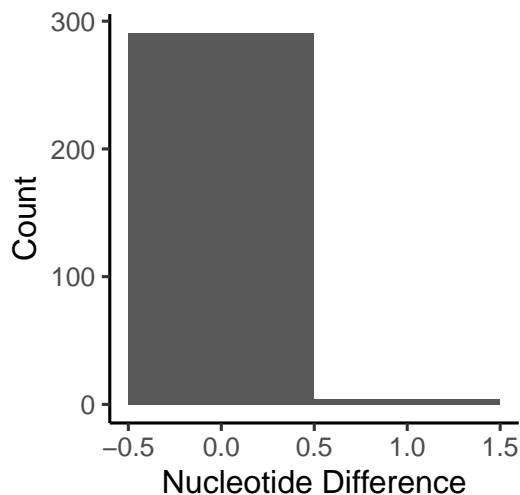
TRBV9*ap01

2696 sequences assigned
2660 (98.7%) exact matches, in which:
2591 unique CDR3
13 unique J



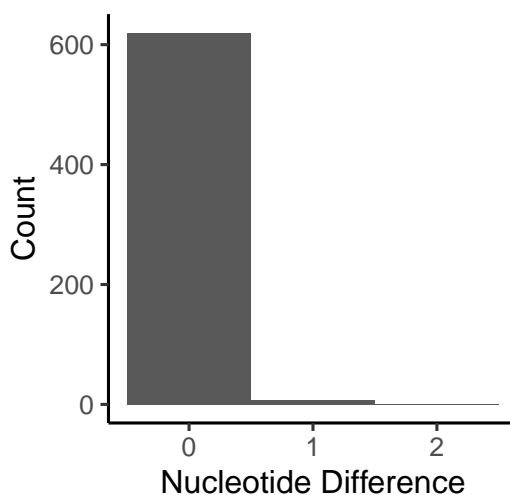
TRBV11–1*ap01

295 sequences assigned
291 (98.6%) exact matches, in which:
286 unique CDR3
13 unique J



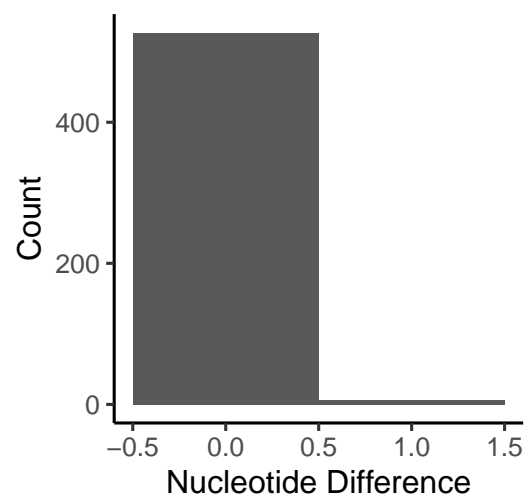
TRBV11–3*ap01

628 sequences assigned
620 (98.7%) exact matches, in which:
606 unique CDR3
13 unique J



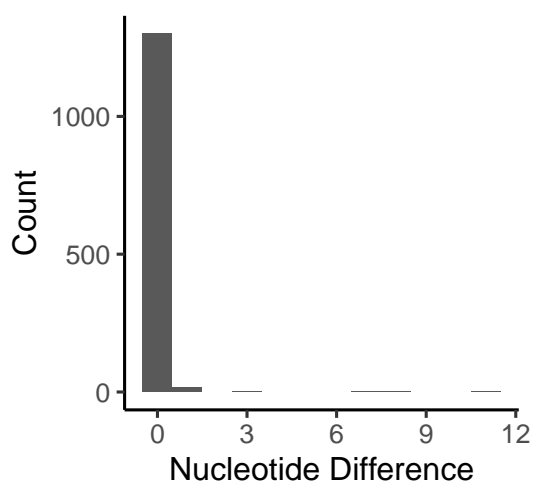
TRBV12–5*ap01

533 sequences assigned
527 (98.9%) exact matches, in which:
513 unique CDR3
13 unique J



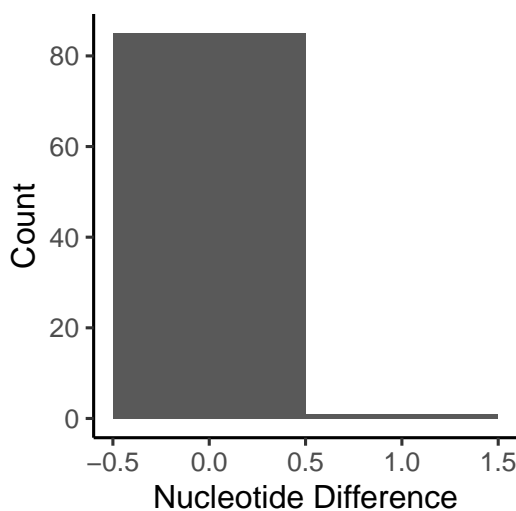
TRBV21–1*ap01

1322 sequences assigned
1300 (98.3%) exact matches, in which:
1269 unique CDR3
13 unique J



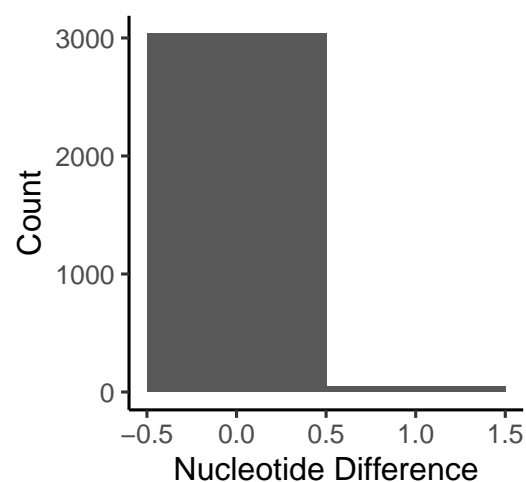
TRBV12–1*ap01

86 sequences assigned
85 (98.8%) exact matches, in which:
85 unique CDR3
10 unique J



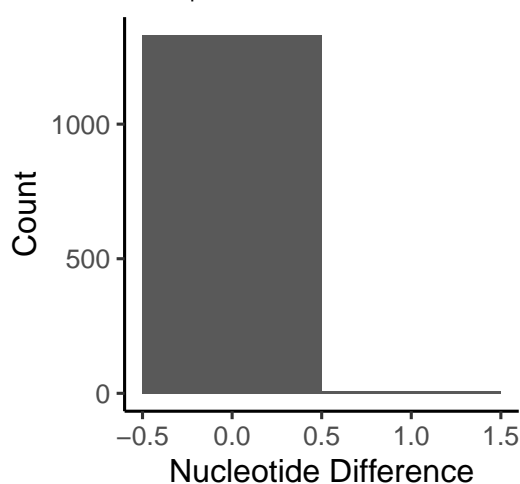
TRBV12–34*ap01

3079 sequences assigned
3036 (98.6%) exact matches, in which:
2954 unique CDR3
13 unique J



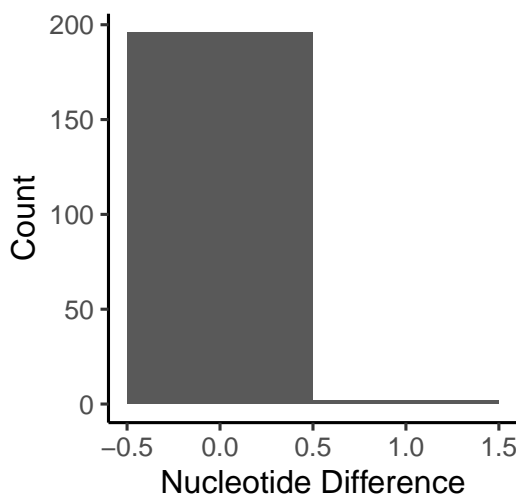
TRBV11–2*ap01

1340 sequences assigned
1331 (99.3%) exact matches, in which:
1291 unique CDR3
13 unique J



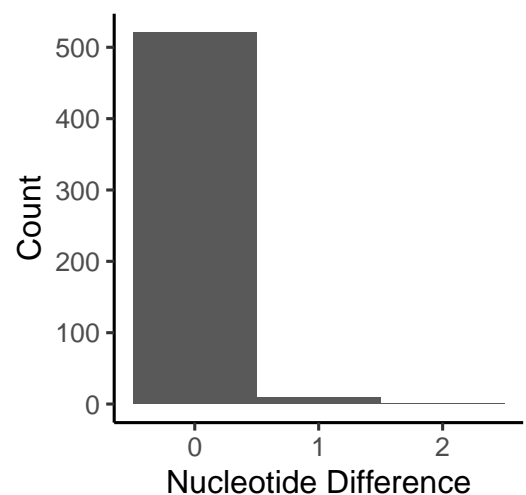
TRBV12–2*ap01

198 sequences assigned
196 (99%) exact matches, in which:
192 unique CDR3
13 unique J



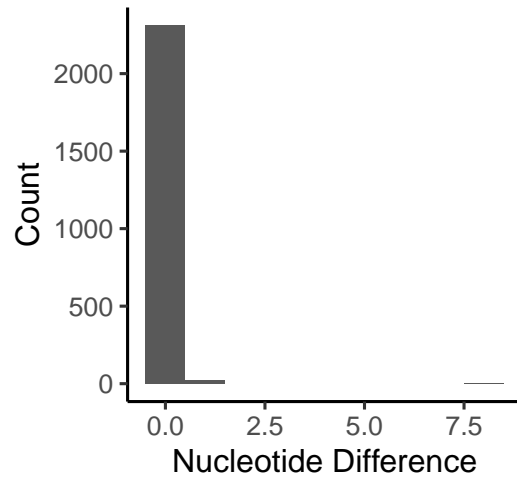
TRBV23–1*ap01

531 sequences assigned
521 (98.1%) exact matches, in which:
506 unique CDR3
13 unique J



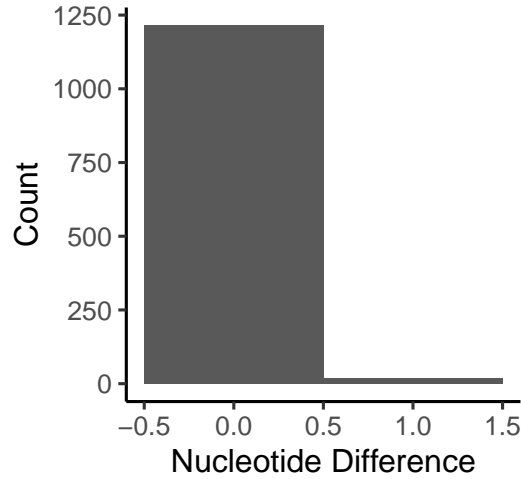
TRBV3-12*ap01

2332 sequences assigned
2311 (99.1%) exact matches, in which:
2267 unique CDR3
13 unique J



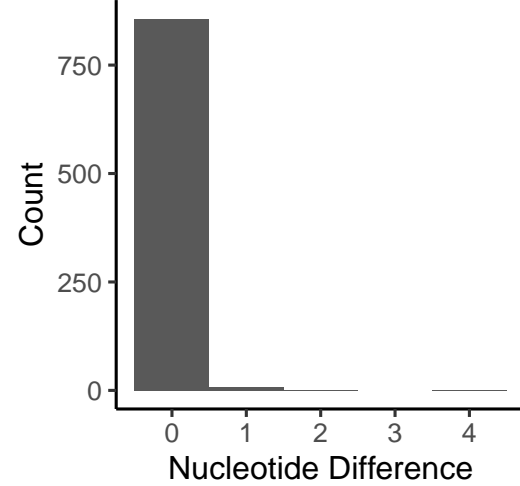
TRBV4-2*ap01

1234 sequences assigned
1215 (98.5%) exact matches, in which:
1184 unique CDR3
13 unique J



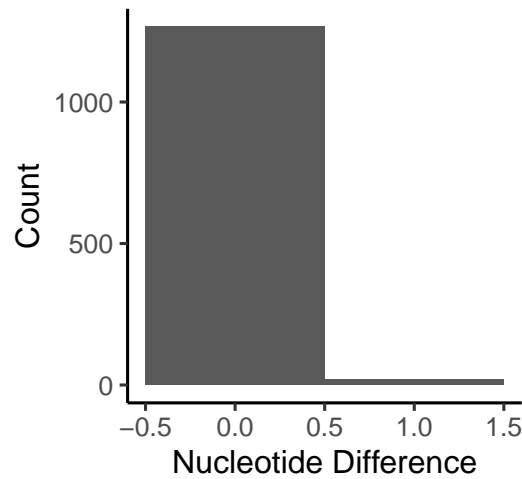
TRBV25-1*ap01

867 sequences assigned
857 (98.8%) exact matches, in which:
834 unique CDR3
13 unique J



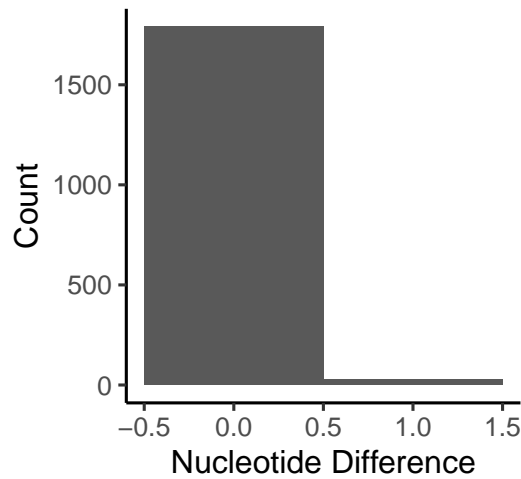
TRBV4-1*ap01

1286 sequences assigned
1266 (98.4%) exact matches, in which:
1219 unique CDR3
13 unique J



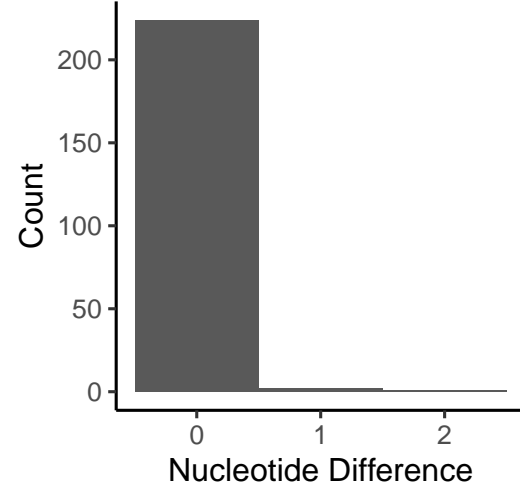
TRBV4-3*ap01

1815 sequences assigned
1790 (98.6%) exact matches, in which:
1719 unique CDR3
13 unique J



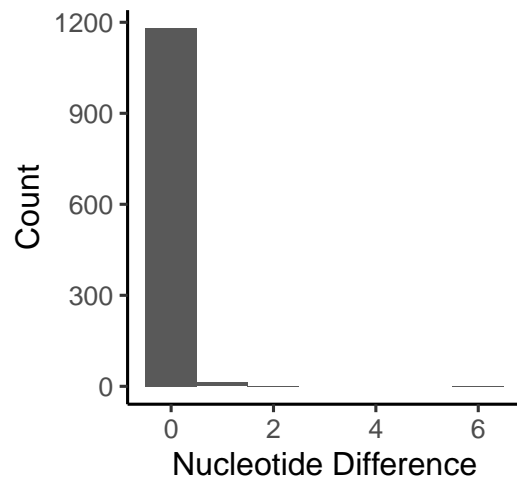
TRBV5-3*ap01

227 sequences assigned
224 (98.7%) exact matches, in which:
219 unique CDR3
12 unique J



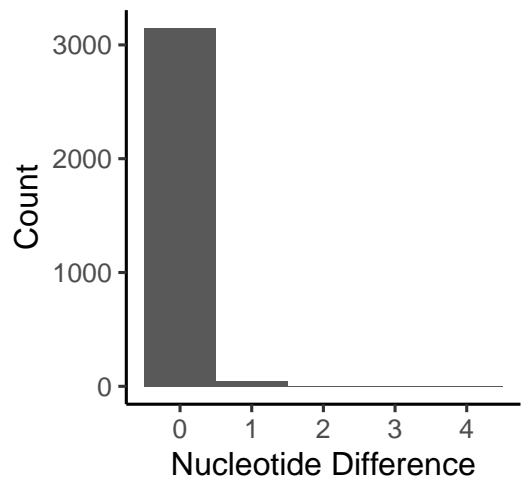
TRBV24-1*ap01

1196 sequences assigned
1181 (98.7%) exact matches, in which:
1147 unique CDR3
13 unique J



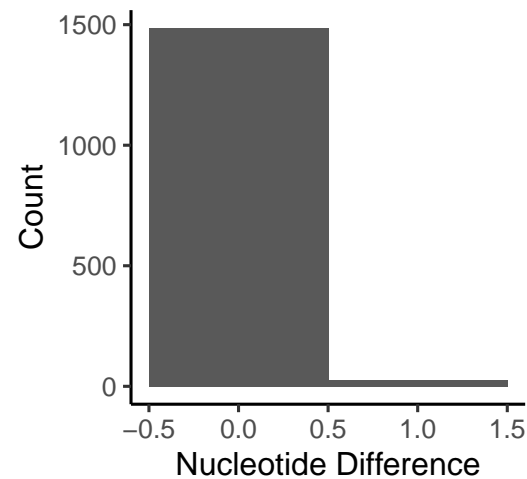
TRBV5-1*ap01

3195 sequences assigned
3148 (98.5%) exact matches, in which:
3049 unique CDR3
13 unique J



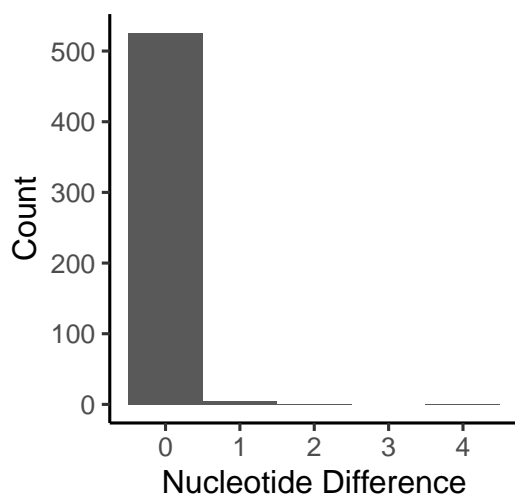
TRBV5-4*ap01

1512 sequences assigned
1486 (98.3%) exact matches, in which:
1441 unique CDR3
13 unique J



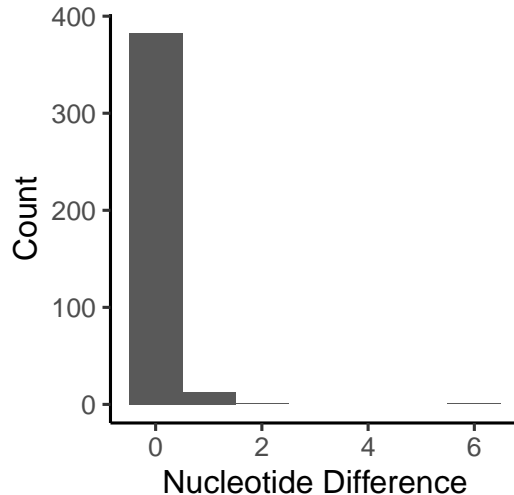
TRBV5–5*ap01

533 sequences assigned
526 (98.7%) exact matches, in which:
513 unique CDR3
13 unique J



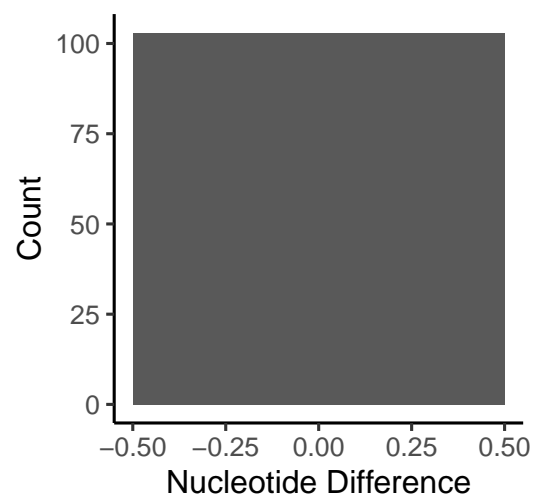
TRBV5–8*ap01

398 sequences assigned
383 (96.2%) exact matches, in which:
372 unique CDR3
13 unique J



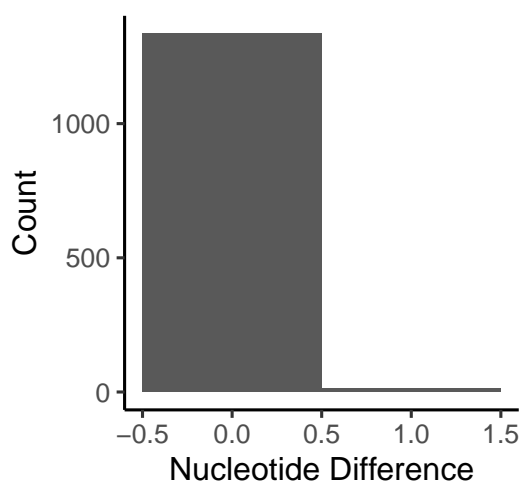
TRBV6–7*ap01

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



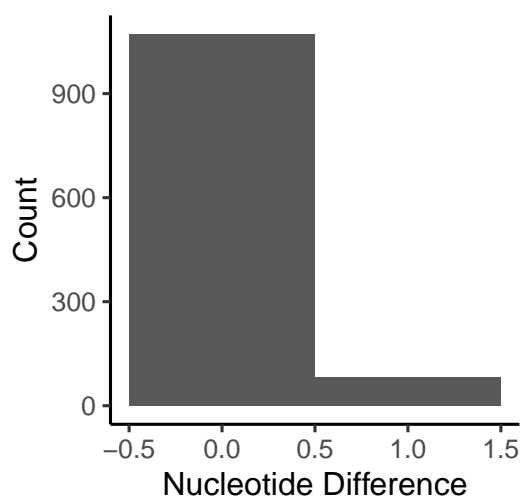
TRBV5–6*ap01

1348 sequences assigned
1335 (99%) exact matches, in which:
1297 unique CDR3
13 unique J



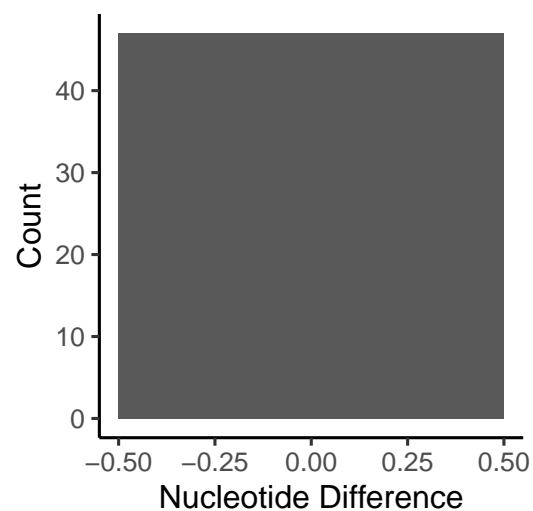
TRBV6–1*ap01

1153 sequences assigned
1072 (93%) exact matches, in which:
1042 unique CDR3
13 unique J



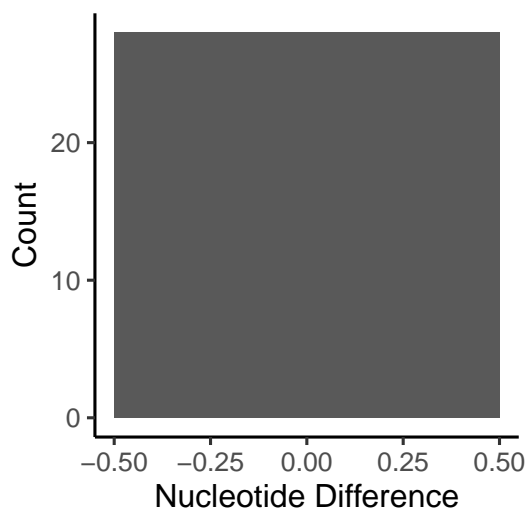
TRBV6–8*ap01

47 sequences assigned
47 (100%) exact matches, in which:
45 unique CDR3
12 unique J



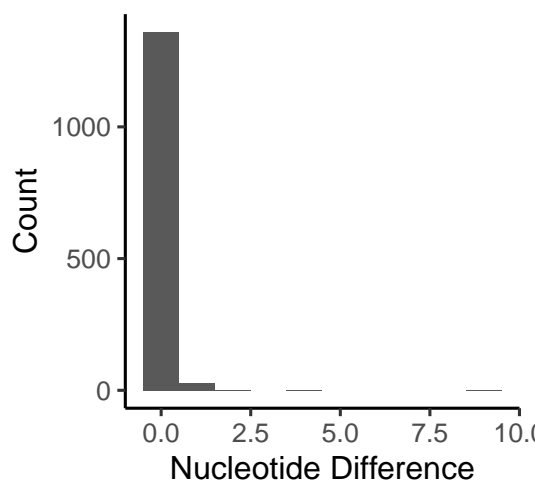
TRBV5–7*ap01

28 sequences assigned
28 (100%) exact matches, in which:
27 unique CDR3
11 unique J



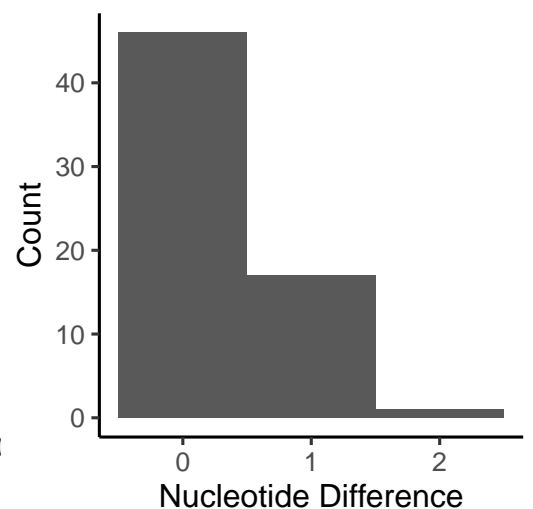
TRBV6–4*ap01

1391 sequences assigned
1360 (97.8%) exact matches, in which:
1338 unique CDR3
13 unique J



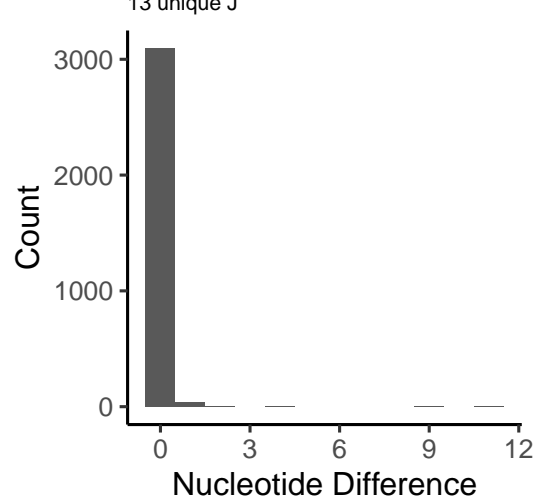
TRBV6–9*ap01

64 sequences assigned
46 (71.9%) exact matches, in which:
46 unique CDR3
12 unique J



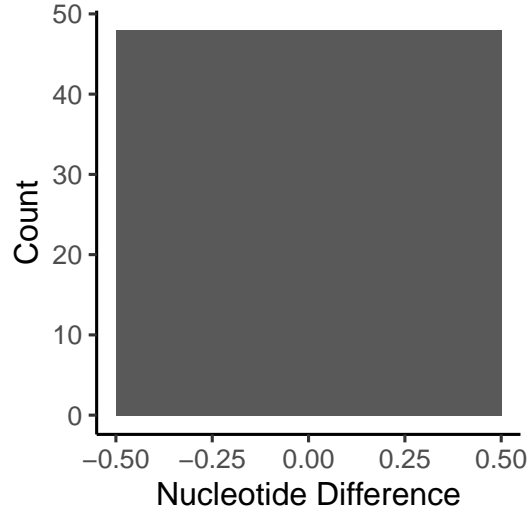
TRBV6-23*ap01

3141 sequences assigned
3094 (98.5%) exact matches, in which:
3018 unique CDR3
13 unique J



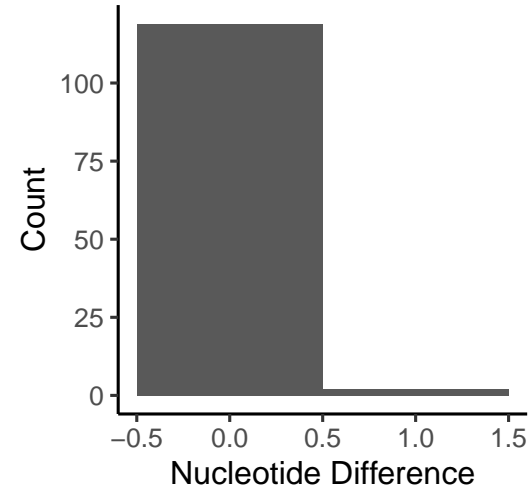
TRBV7-1*ap01_G291C_T

48 sequences assigned
48 (100%) exact matches, in which:
46 unique CDR3
12 unique J



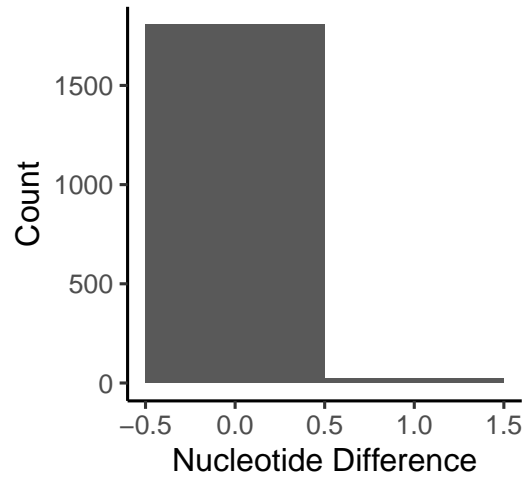
TRBV7-4*ap01

121 sequences assigned
119 (98.3%) exact matches, in which:
115 unique CDR3
13 unique J



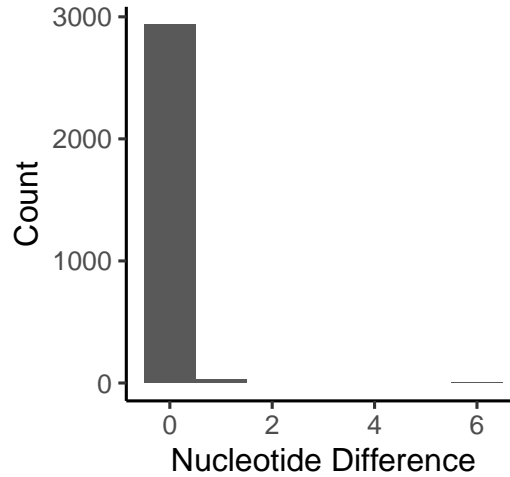
TRBV6-56*ap01

1830 sequences assigned
1806 (98.7%) exact matches, in which:
1751 unique CDR3
13 unique J



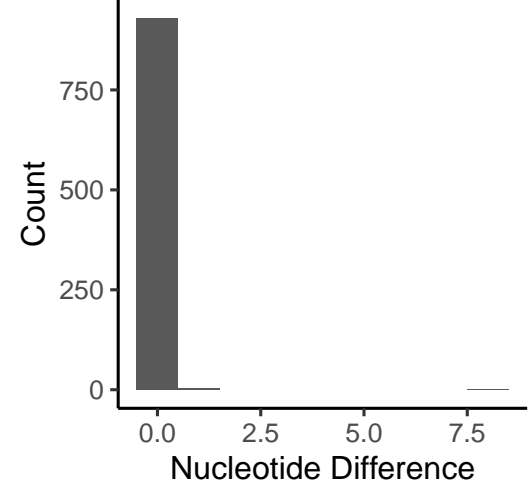
TRBV7-2*ap01

2964 sequences assigned
2935 (99%) exact matches, in which:
2837 unique CDR3
13 unique J



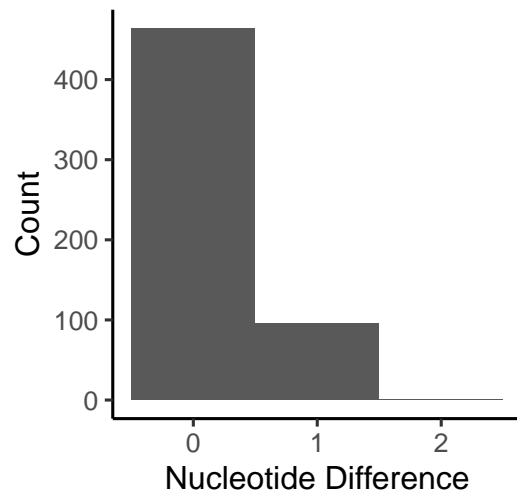
TRBV7-6*ap01

936 sequences assigned
930 (99.4%) exact matches, in which:
910 unique CDR3
13 unique J



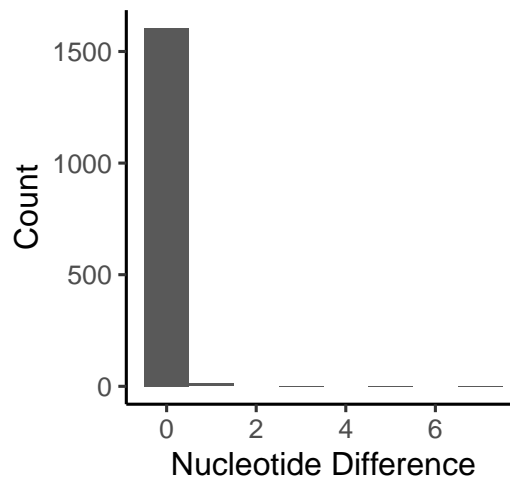
TRBV6-56*ap02

560 sequences assigned
464 (82.9%) exact matches, in which:
450 unique CDR3
13 unique J



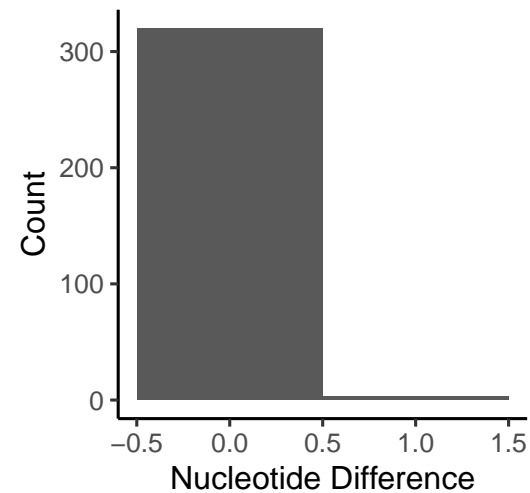
TRBV7-3*ap01

1621 sequences assigned
1605 (99%) exact matches, in which:
1568 unique CDR3
13 unique J



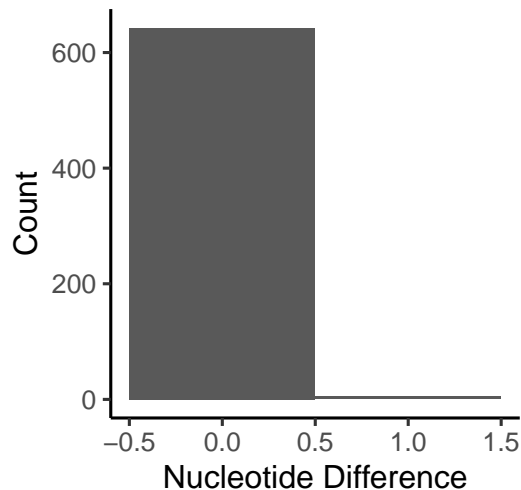
TRBV7-7*ap01_C315T

323 sequences assigned
320 (99.1%) exact matches, in which:
315 unique CDR3
13 unique J



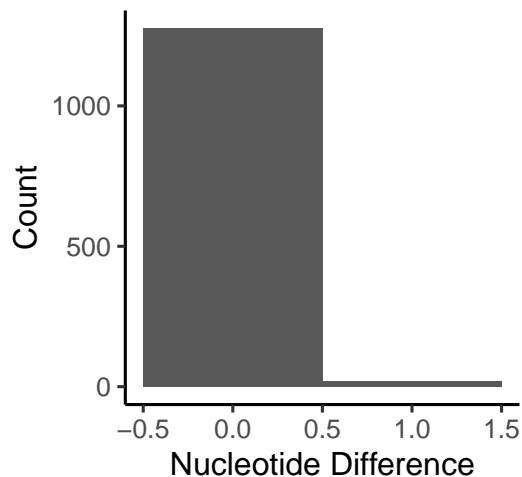
TRBV7-8*ap01

648 sequences assigned
643 (99.2%) exact matches, in which:
630 unique CDR3
13 unique J



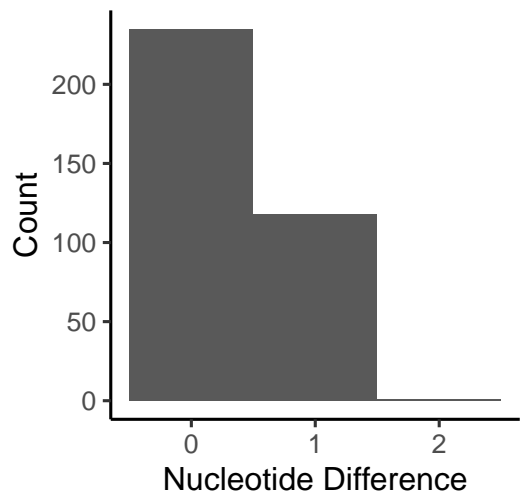
TRBV29-1*ap01

1295 sequences assigned
1276 (98.5%) exact matches, in which:
1244 unique CDR3
13 unique J



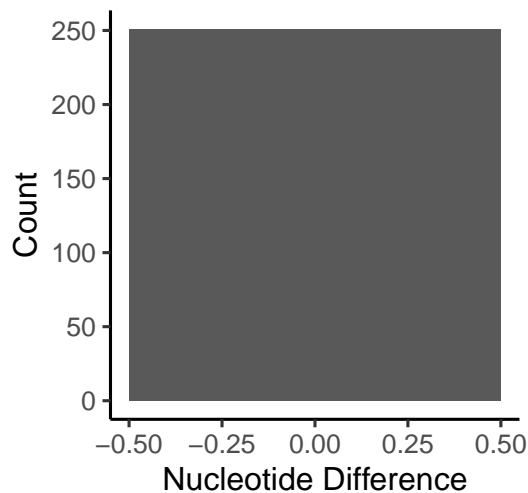
TRBV7-8*ap03

354 sequences assigned
235 (66.4%) exact matches, in which:
232 unique CDR3
13 unique J



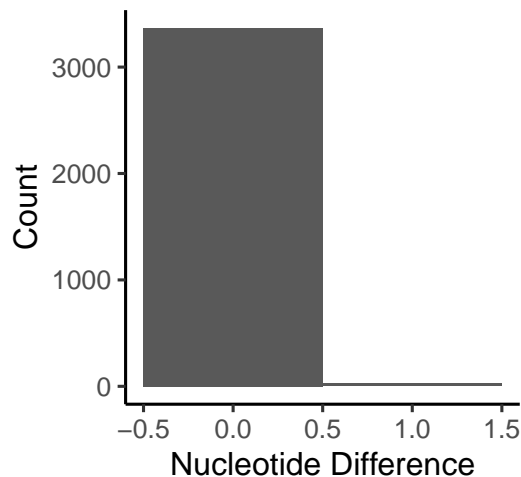
TRBV29-1*ap02

251 sequences assigned
251 (100%) exact matches, in which:
243 unique CDR3
13 unique J

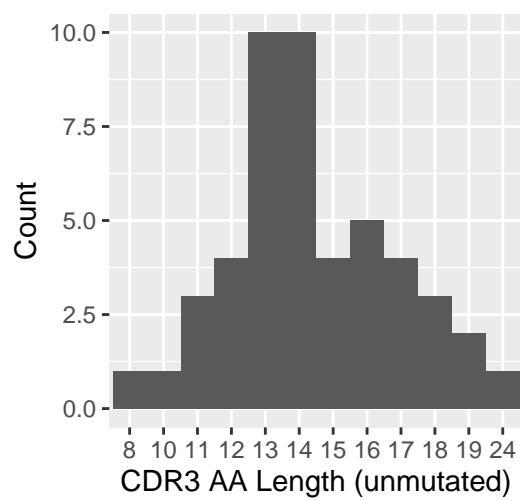


TRBV7-9*ap01

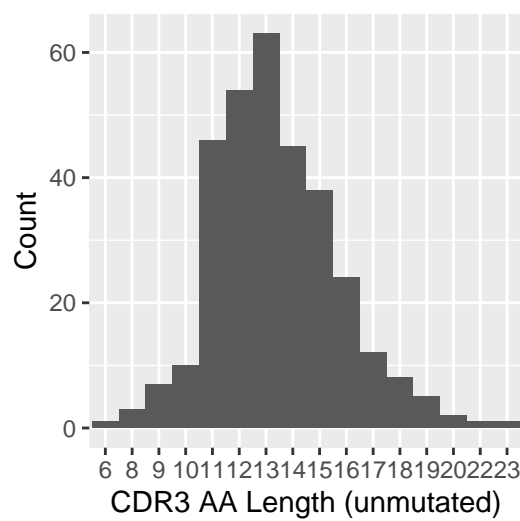
3394 sequences assigned
3367 (99.2%) exact matches, in which:
3286 unique CDR3
13 unique J

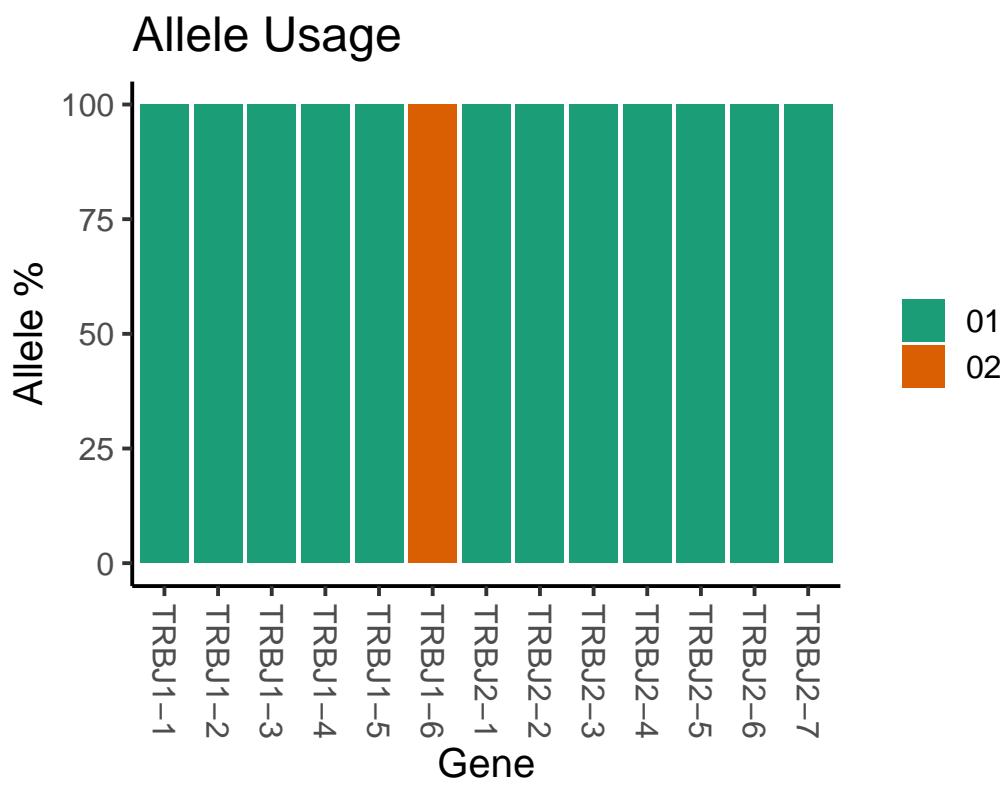


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]