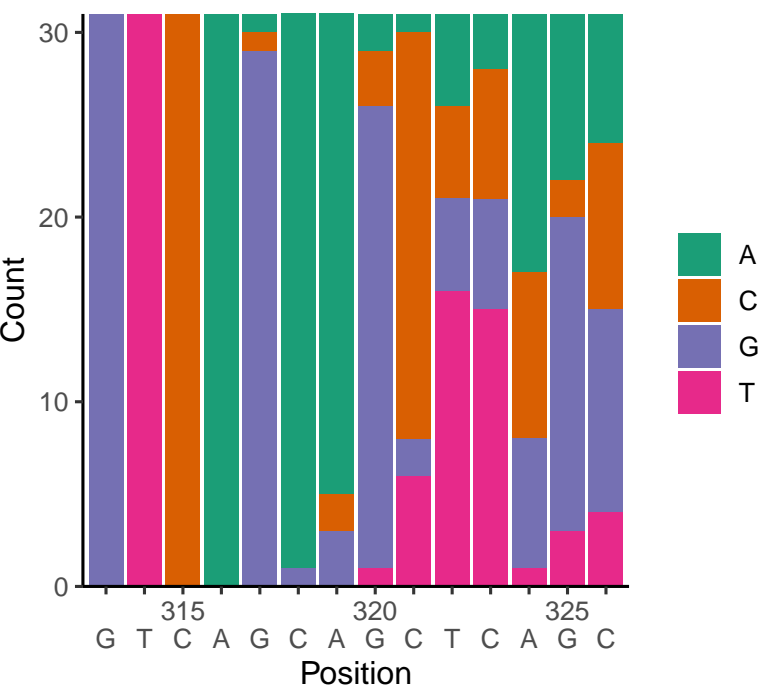
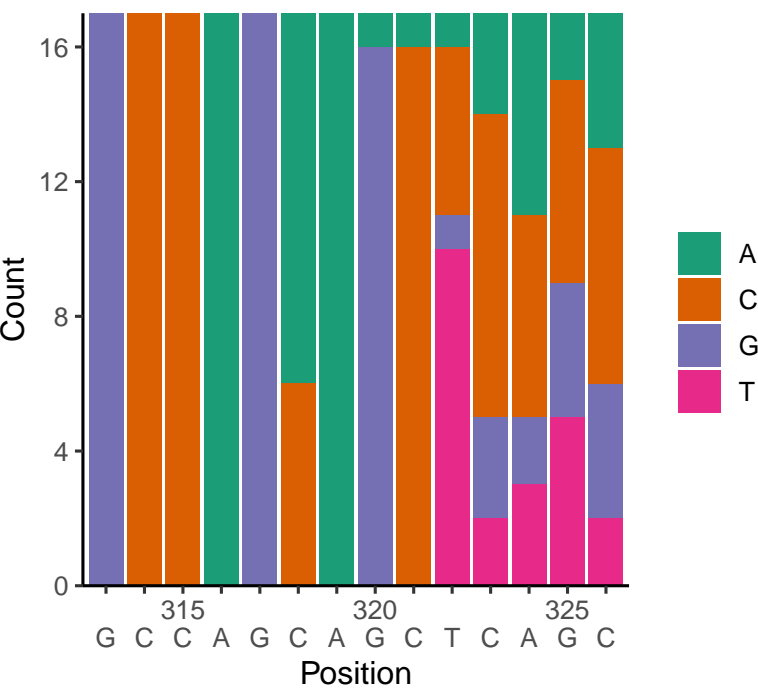


Gene TRBV7-1*ap01_T296C_C314T



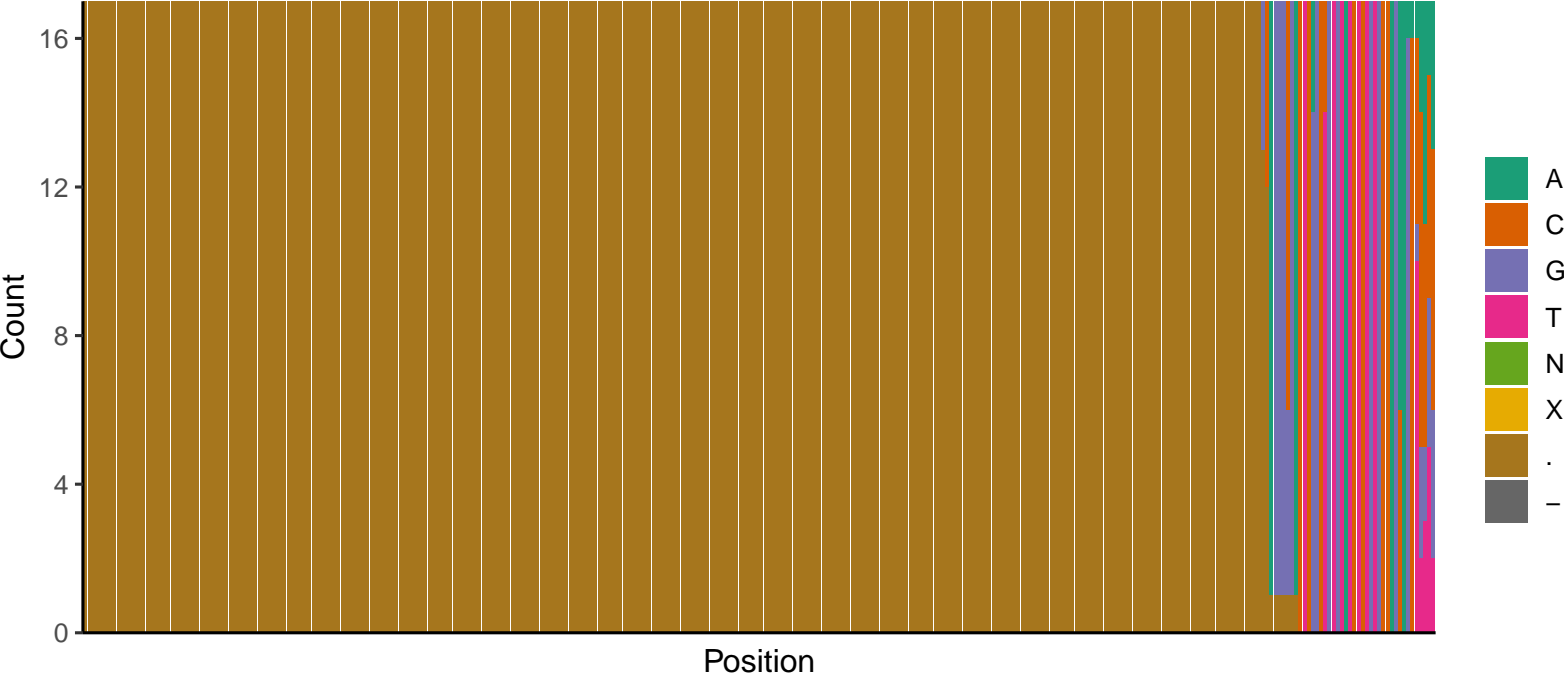
Gene TRBV7-1*ap01_T296C



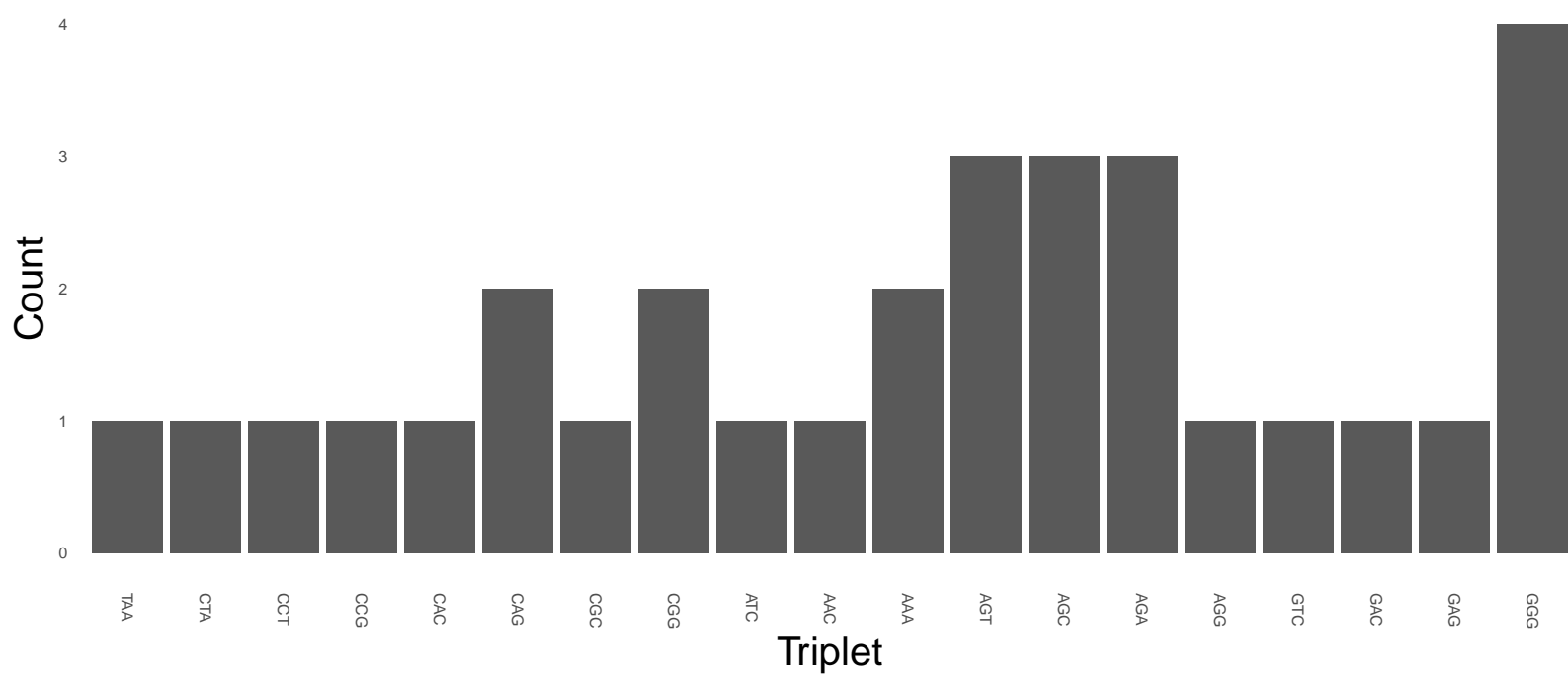
Gene TRBV7-1*ap01_T296C_C314T



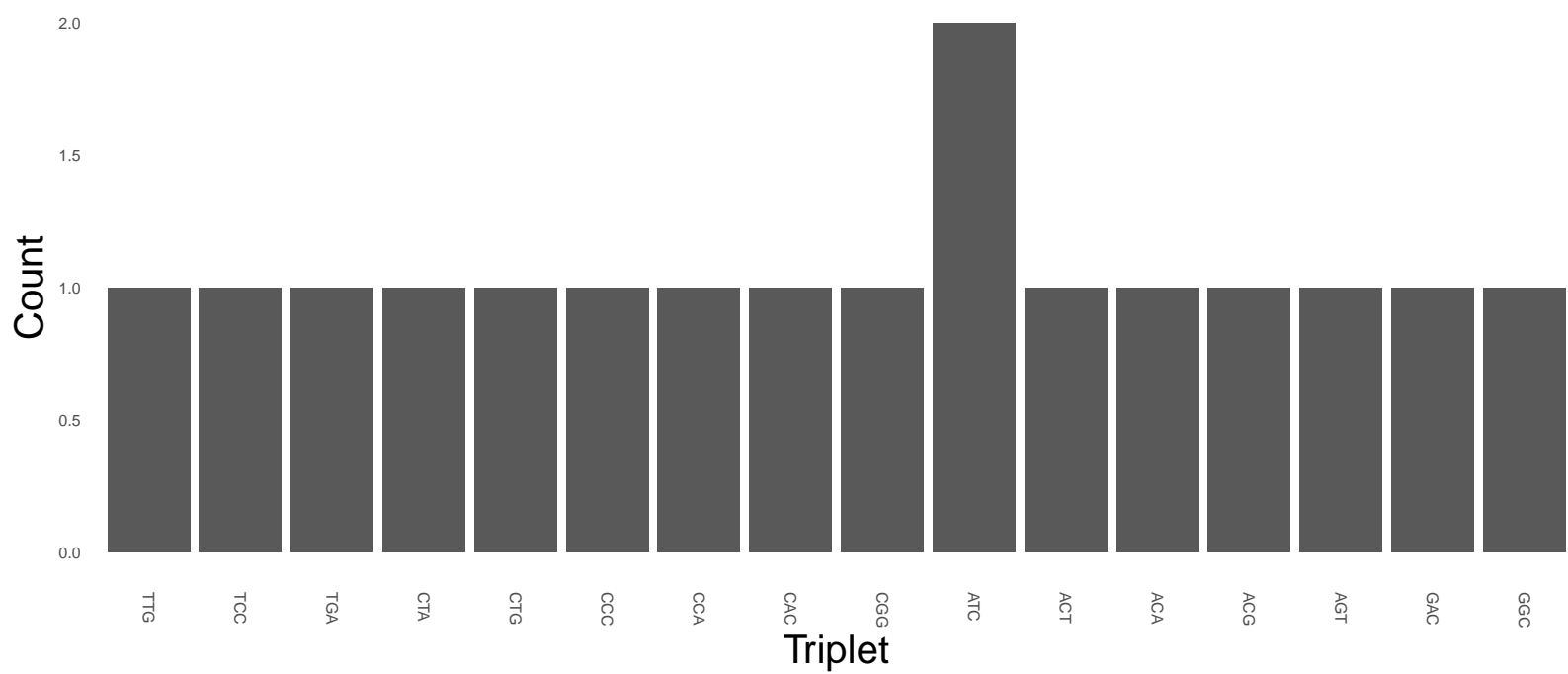
Gene TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

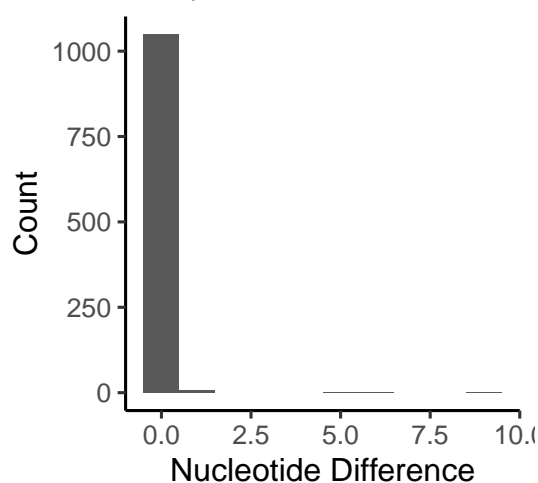


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



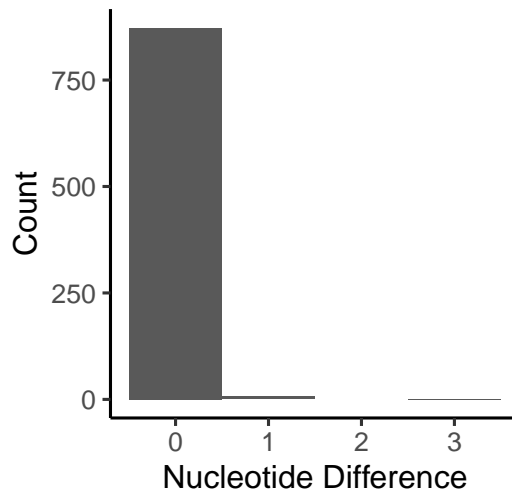
TRBV10–1*ap01

1059 sequences assigned
1049 (99.1%) exact matches, in which:
1040 unique CDR3
13 unique J



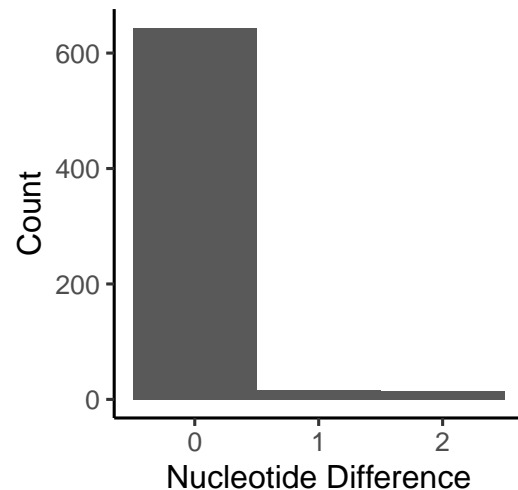
TRBV10–2*ap01

881 sequences assigned
873 (99.1%) exact matches, in which:
865 unique CDR3
13 unique J



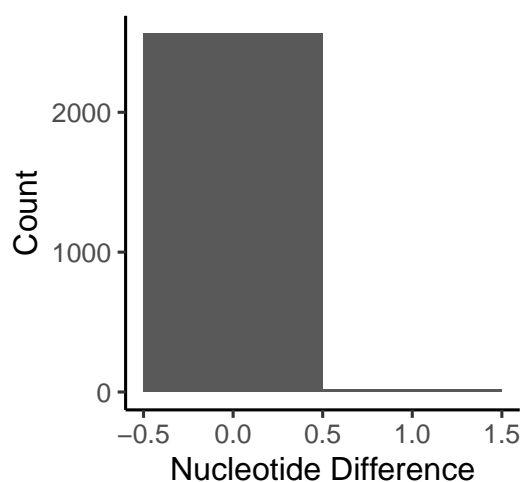
TRBV13*ap01

674 sequences assigned
644 (95.5%) exact matches, in which:
628 unique CDR3
13 unique J



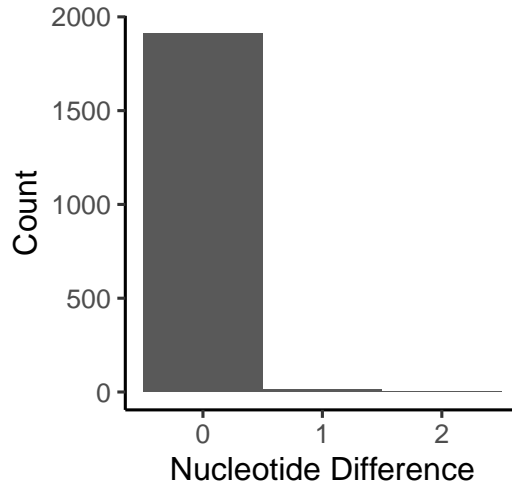
TRBV20–1*ap01

2580 sequences assigned
2562 (99.3%) exact matches, in which:
2552 unique CDR3
13 unique J



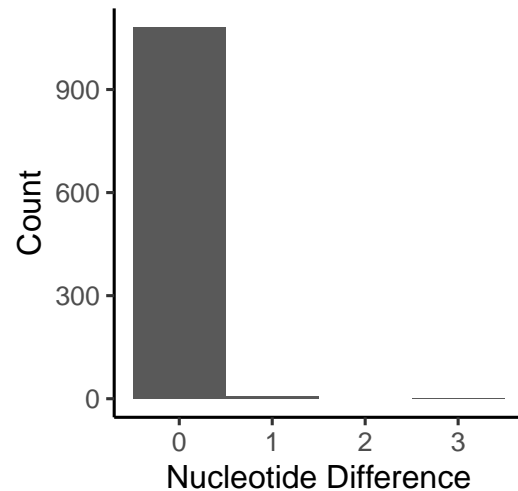
TRBV10–3*ap01

1922 sequences assigned
1910 (99.4%) exact matches, in which:
1888 unique CDR3
13 unique J



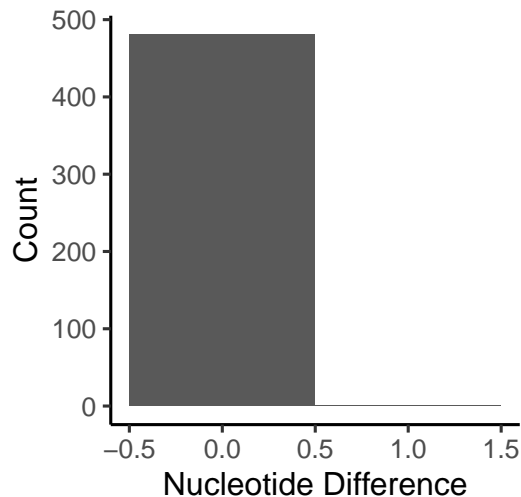
TRBV14*ap01

1091 sequences assigned
1082 (99.2%) exact matches, in which:
1073 unique CDR3
13 unique J



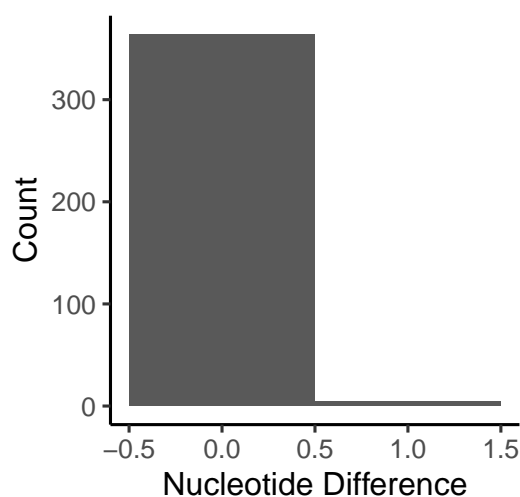
TRBV20–1*ap02

482 sequences assigned
481 (99.8%) exact matches, in which:
477 unique CDR3
13 unique J



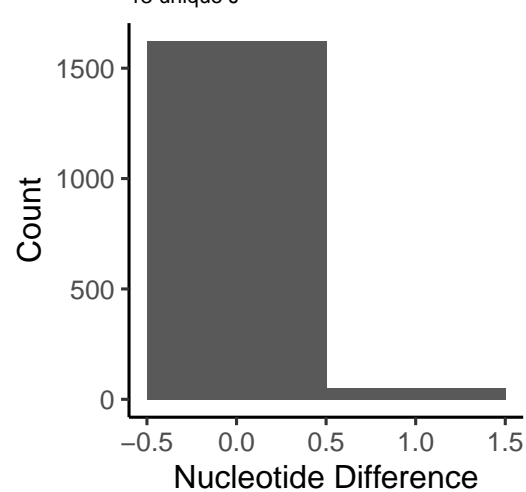
TRBV1*ap01

368 sequences assigned
364 (98.9%) exact matches, in which:
349 unique CDR3
13 unique J



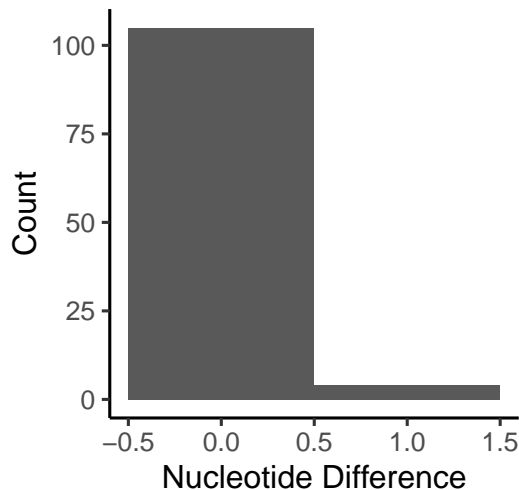
TRBV15*ap02

1675 sequences assigned
1623 (96.9%) exact matches, in which:
1606 unique CDR3
13 unique J



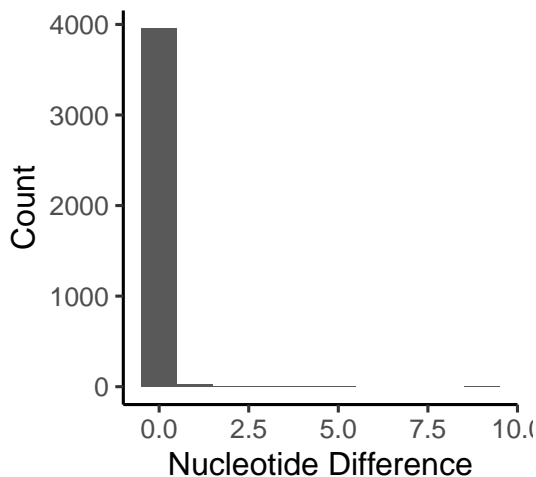
TRBV16*ap01

109 sequences assigned
105 (96.3%) exact matches, in which:
105 unique CDR3
11 unique J



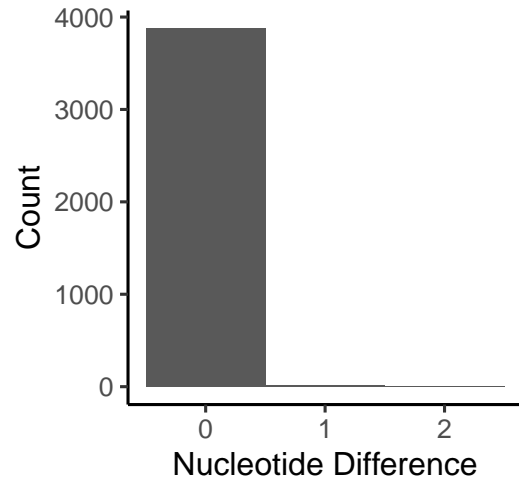
TRBV19*ap01

3985 sequences assigned
3956 (99.3%) exact matches, in which:
3942 unique CDR3
13 unique J



TRBV28*ap01

3895 sequences assigned
3877 (99.5%) exact matches, in which:
3859 unique CDR3
13 unique J



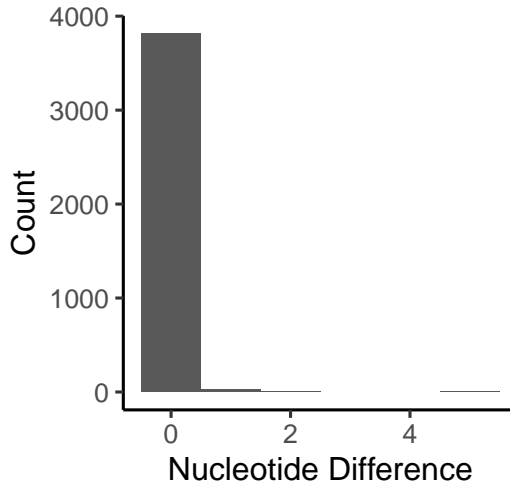
TRBV17*ap01

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



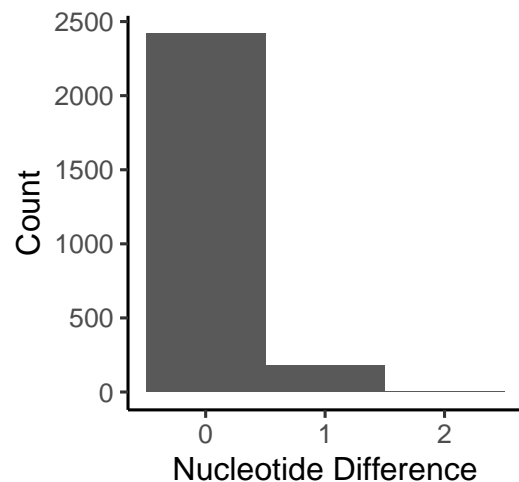
TRBV2*ap01

3841 sequences assigned
3813 (99.3%) exact matches, in which:
3784 unique CDR3
13 unique J



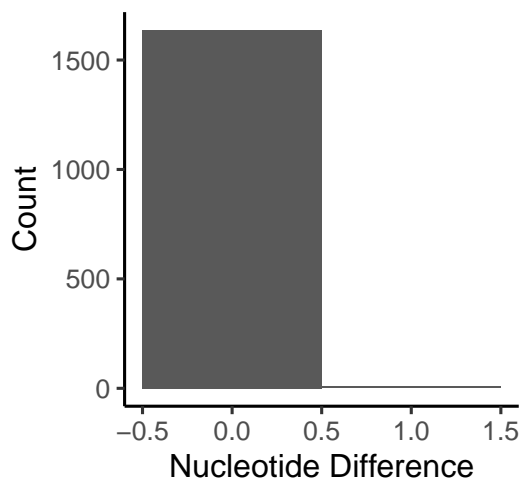
TRBV30*ap01

2602 sequences assigned
2418 (92.9%) exact matches, in which:
2389 unique CDR3
13 unique J



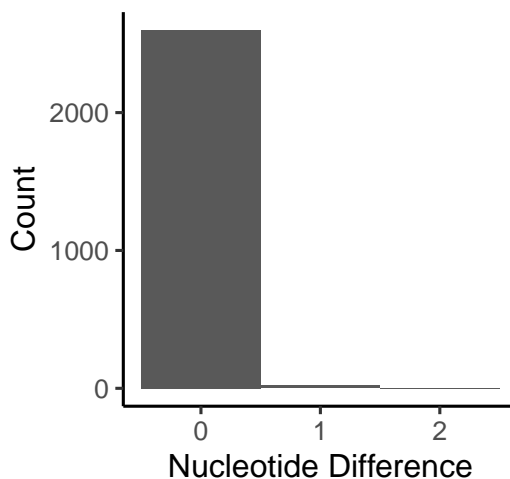
TRBV18*ap01

1645 sequences assigned
1637 (99.5%) exact matches, in which:
1635 unique CDR3
13 unique J



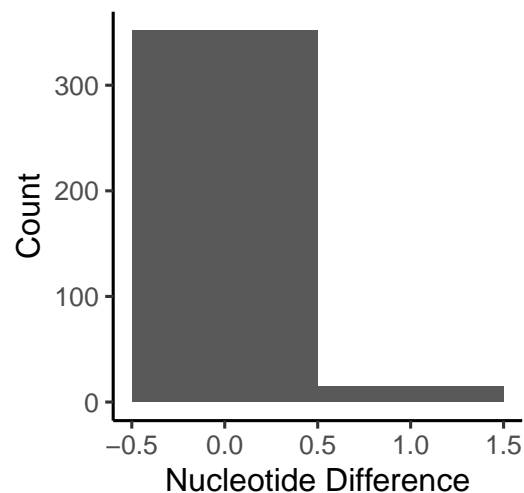
TRBV27*ap01

2621 sequences assigned
2599 (99.2%) exact matches, in which:
2578 unique CDR3
13 unique J



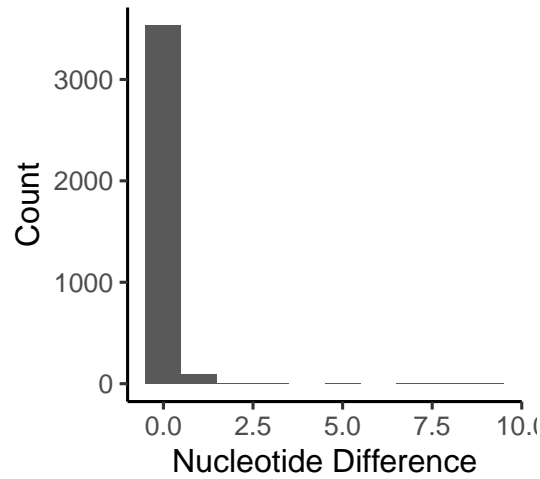
TRBV30*ap03

367 sequences assigned
352 (95.9%) exact matches, in which:
343 unique CDR3
12 unique J



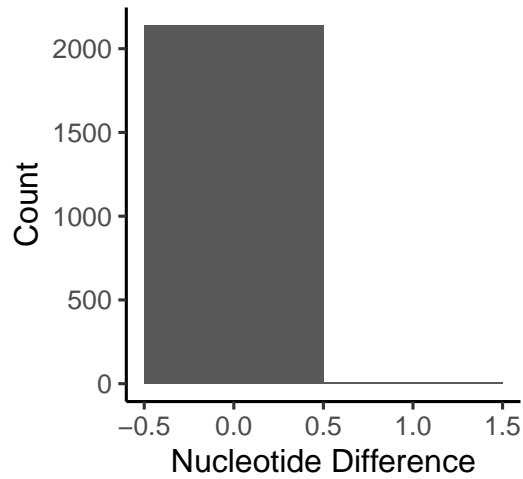
TRBV9*ap01

3632 sequences assigned
3533 (97.3%) exact matches, in which:
3500 unique CDR3
13 unique J



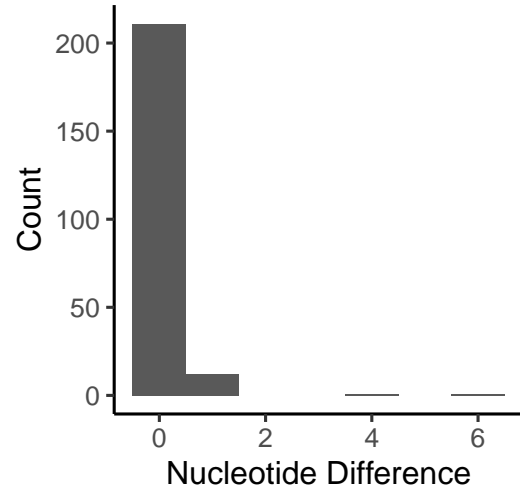
TRBV11-2*ap01

2147 sequences assigned
2139 (99.6%) exact matches, in which:
2120 unique CDR3
13 unique J



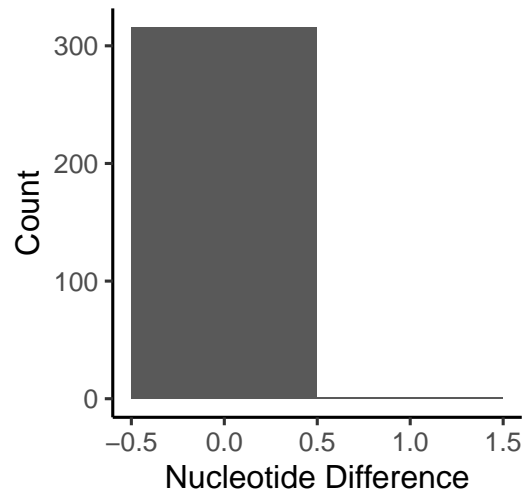
TRBV12-2*ap01

225 sequences assigned
211 (93.8%) exact matches, in which:
208 unique CDR3
13 unique J



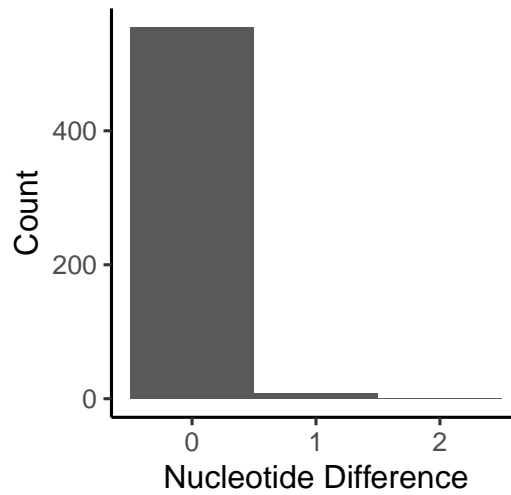
TRBV11-1*ap01

317 sequences assigned
316 (99.7%) exact matches, in which:
314 unique CDR3
13 unique J



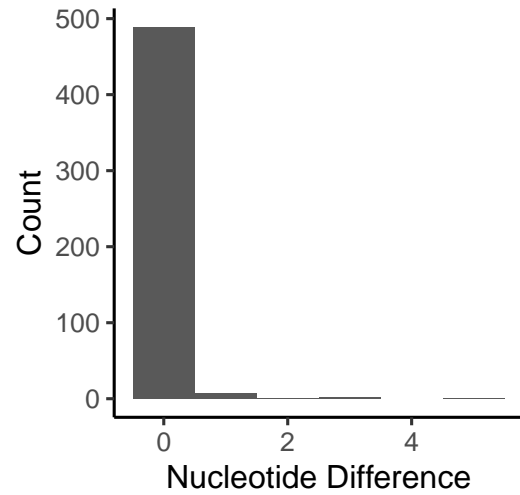
TRBV11-3*ap01

564 sequences assigned
555 (98.4%) exact matches, in which:
553 unique CDR3
13 unique J



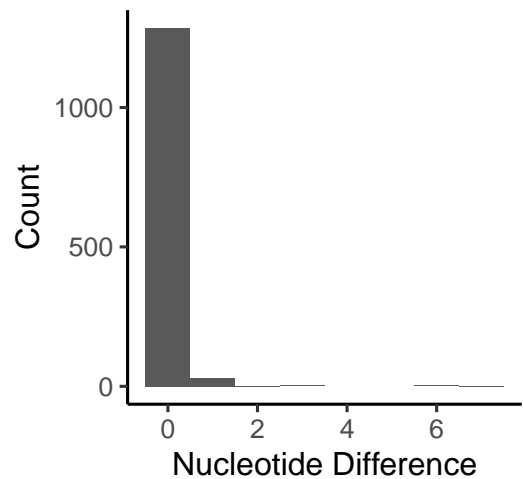
TRBV12-5*ap01

500 sequences assigned
489 (97.8%) exact matches, in which:
488 unique CDR3
13 unique J



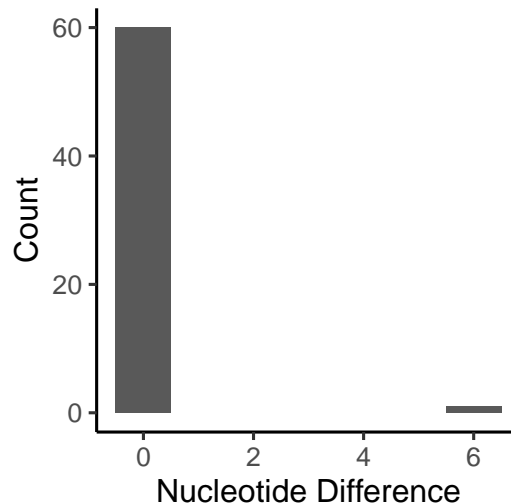
TRBV21-1*ap01

1324 sequences assigned
1285 (97.1%) exact matches, in which:
1275 unique CDR3
13 unique J



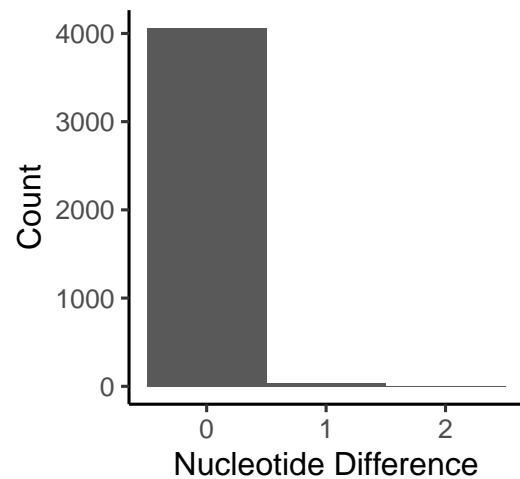
TRBV12-1*ap01

61 sequences assigned
60 (98.4%) exact matches, in which:
60 unique CDR3
12 unique J



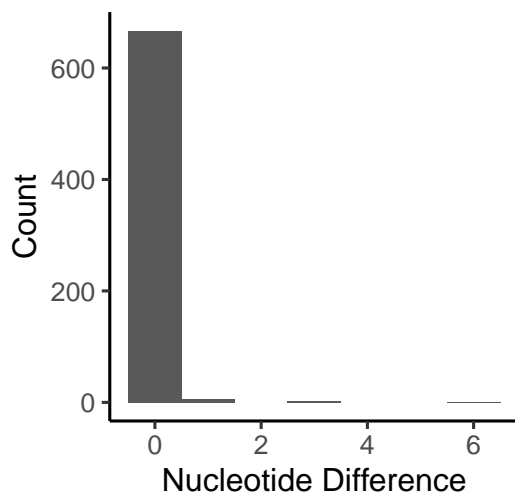
TRBV12-34*ap01

4099 sequences assigned
4061 (99.1%) exact matches, in which:
4047 unique CDR3
13 unique J



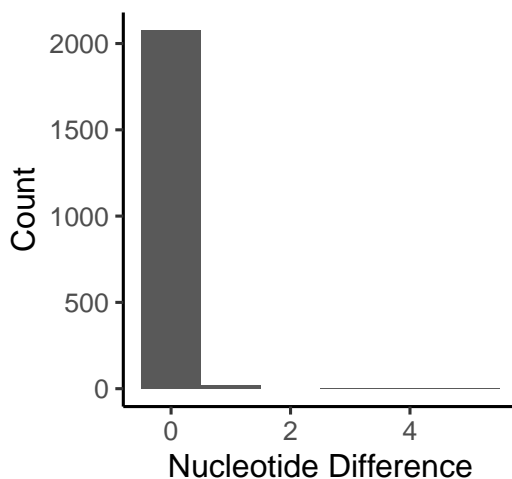
TRBV23–1*ap01

676 sequences assigned
667 (98.7%) exact matches, in which:
662 unique CDR3
13 unique J



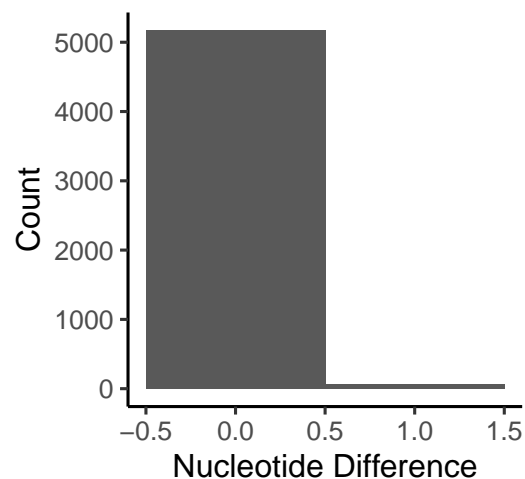
TRBV24–1*ap01

2102 sequences assigned
2076 (98.8%) exact matches, in which:
2052 unique CDR3
13 unique J



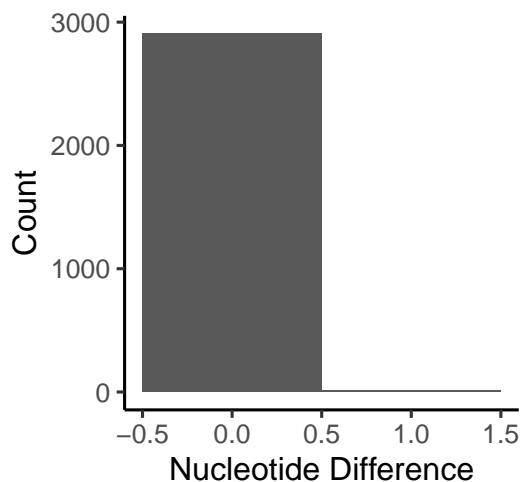
TRBV5–1*ap01

5230 sequences assigned
5171 (98.9%) exact matches, in which:
5134 unique CDR3
13 unique J



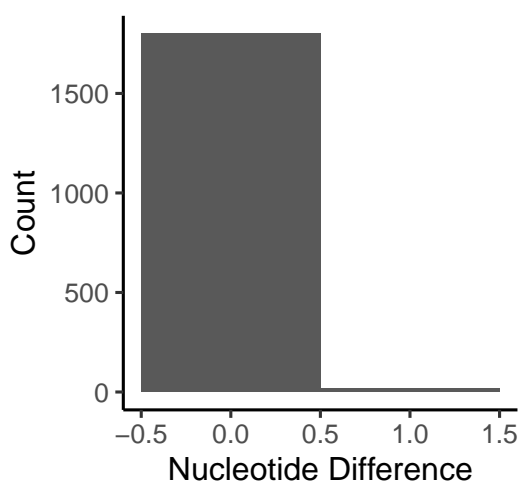
TRBV3–12*ap01

2916 sequences assigned
2906 (99.7%) exact matches, in which:
2901 unique CDR3
13 unique J



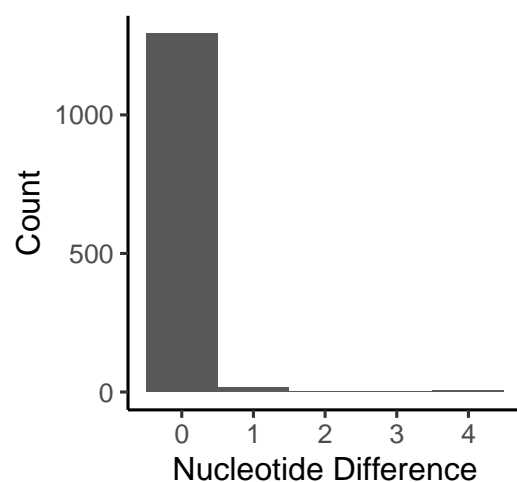
TRBV4–2*ap01

1820 sequences assigned
1800 (98.9%) exact matches, in which:
1788 unique CDR3
13 unique J



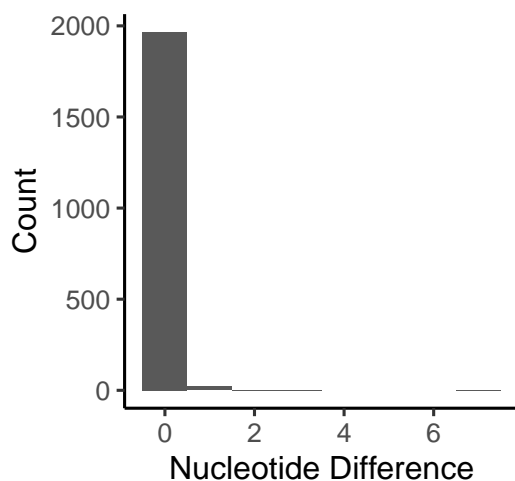
TRBV25–1*ap01

1319 sequences assigned
1293 (98%) exact matches, in which:
1275 unique CDR3
13 unique J



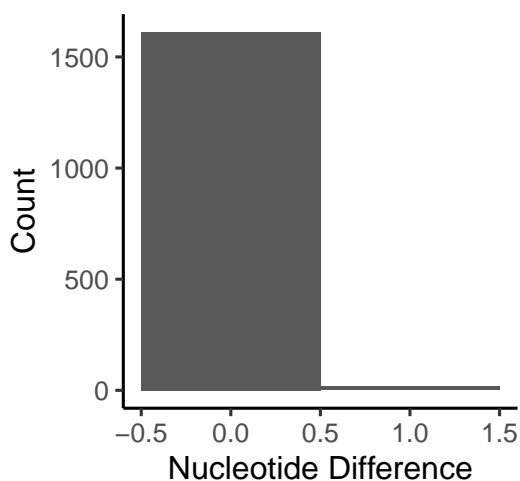
TRBV4–1*ap01

1990 sequences assigned
1966 (98.8%) exact matches, in which:
1946 unique CDR3
13 unique J



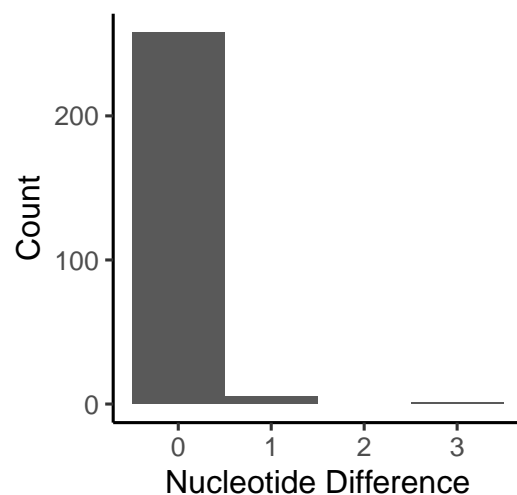
TRBV4–3*ap01

1629 sequences assigned
1612 (99%) exact matches, in which:
1598 unique CDR3
13 unique J



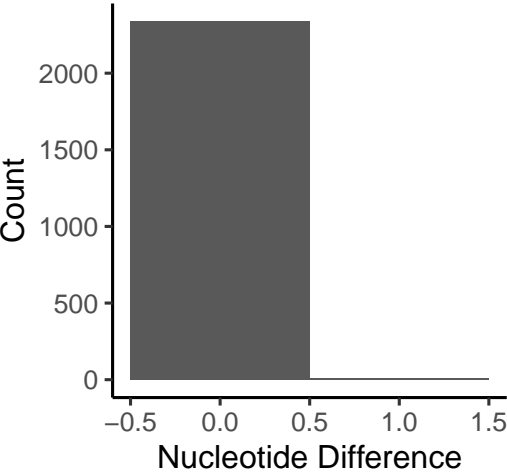
TRBV5–3*ap01

264 sequences assigned
258 (97.7%) exact matches, in which:
258 unique CDR3
13 unique J



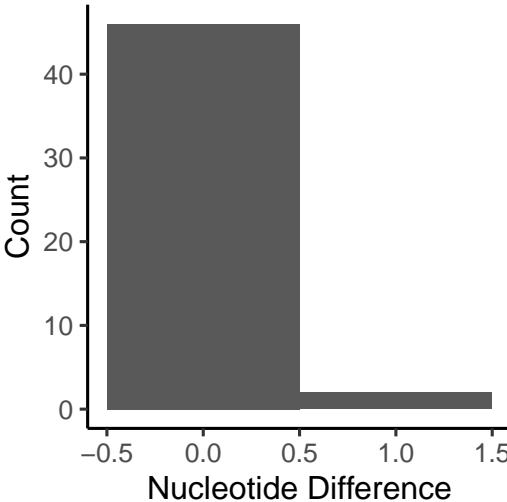
TRBV5-4*ap01

2350 sequences assigned
2338 (99.5%) exact matches, in which:
2327 unique CDR3
13 unique J



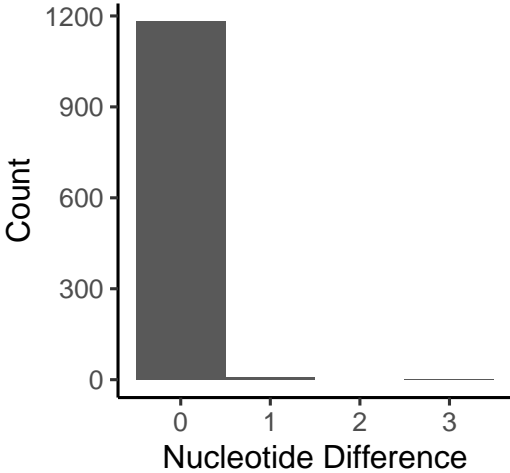
TRBV5-7*ap01

48 sequences assigned
46 (95.8%) exact matches, in which:
44 unique CDR3
10 unique J



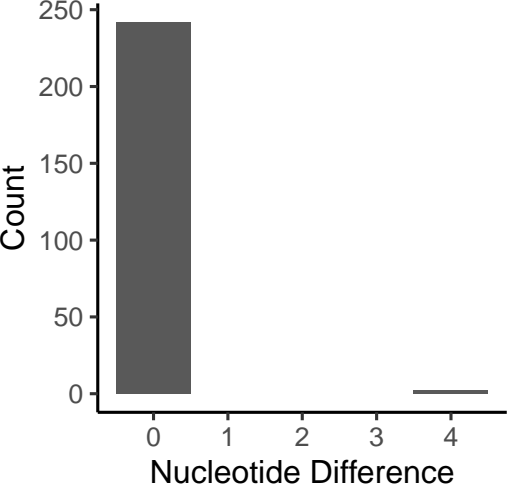
TRBV6-4*ap01

1192 sequences assigned
1182 (99.2%) exact matches, in which:
1177 unique CDR3
13 unique J



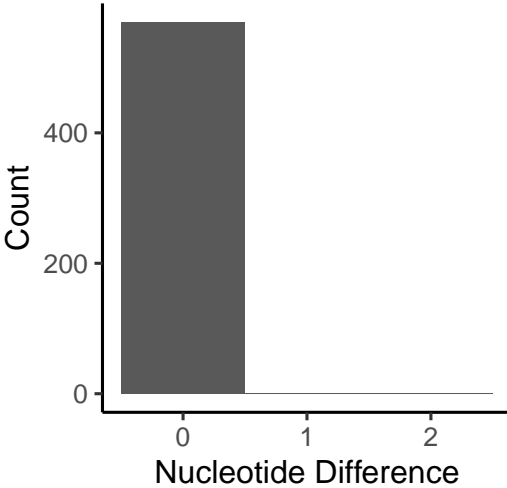
TRBV5-5*ap01

244 sequences assigned
242 (99.2%) exact matches, in which:
242 unique CDR3
13 unique J



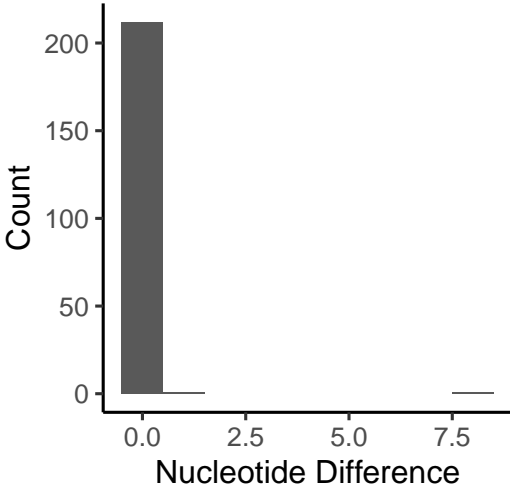
TRBV5-8*ap01

572 sequences assigned
570 (99.7%) exact matches, in which:
569 unique CDR3
13 unique J



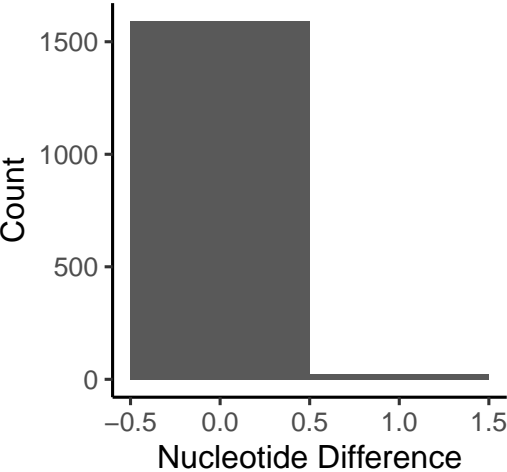
TRBV6-7*ap01

214 sequences assigned
212 (99.1%) exact matches, in which:
207 unique CDR3
13 unique J



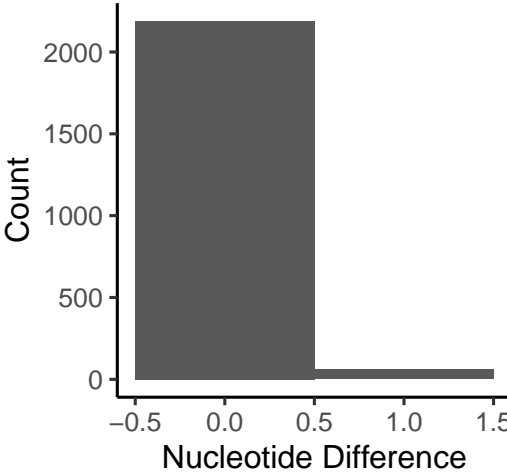
TRBV5-6*ap01

1616 sequences assigned
1592 (98.5%) exact matches, in which:
1584 unique CDR3
13 unique J



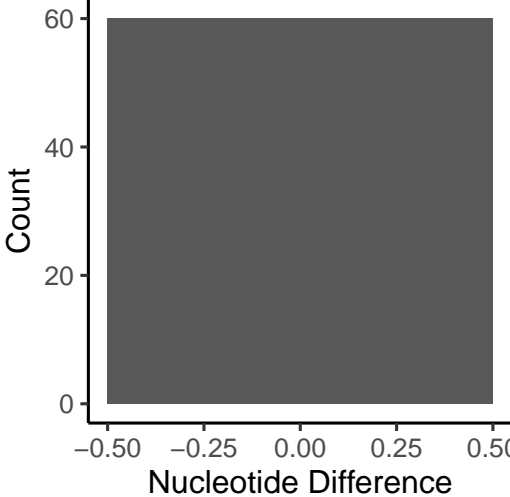
TRBV6-1*ap01

2248 sequences assigned
2189 (97.4%) exact matches, in which:
2171 unique CDR3
13 unique J



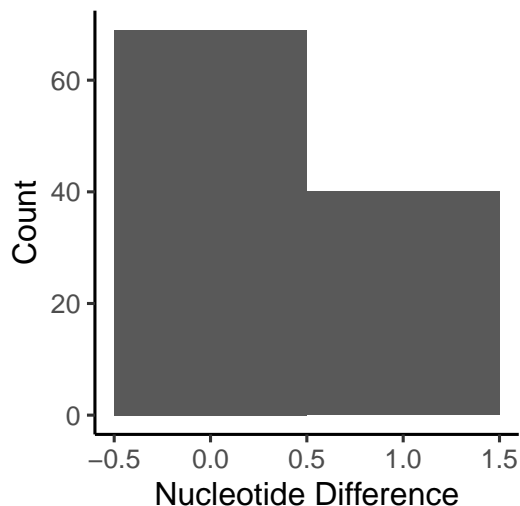
TRBV6-8*ap01

60 sequences assigned
60 (100%) exact matches, in which:
59 unique CDR3
12 unique J



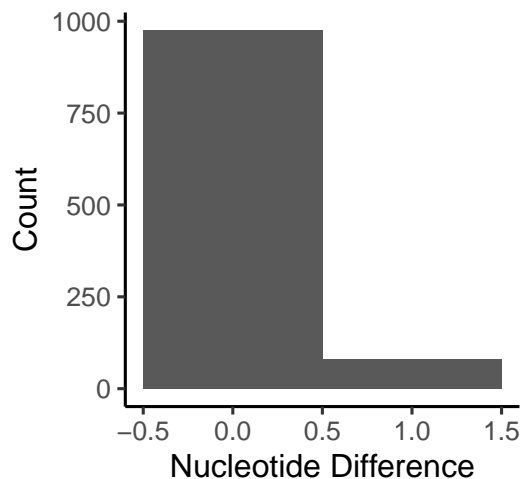
TRBV6–9*ap01

109 sequences assigned
69 (63.3%) exact matches, in which:
68 unique CDR3
11 unique J



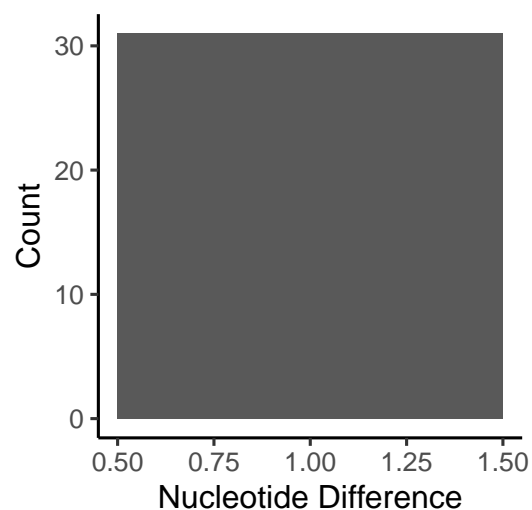
TRBV6–56*ap02

1055 sequences assigned
975 (92.4%) exact matches, in which:
964 unique CDR3
13 unique J



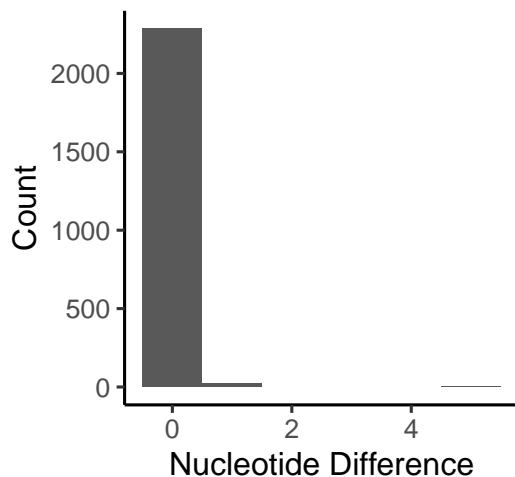
TRBV7–1*ap01_T296C_C

31 sequences assigned
No exact matches.



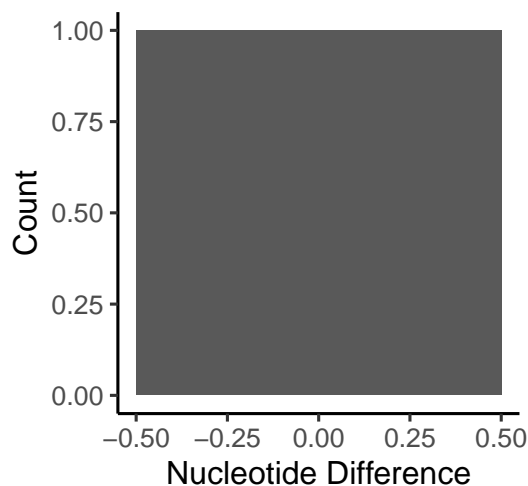
TRBV6–23*ap01

2306 sequences assigned
2285 (99.1%) exact matches, in which:
2269 unique CDR3
13 unique J



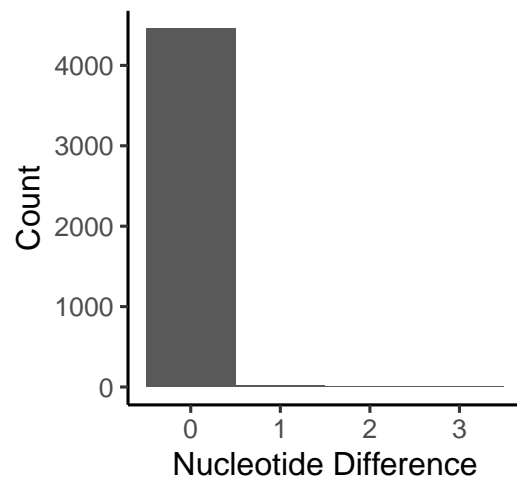
TRBV7–1*ap01

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



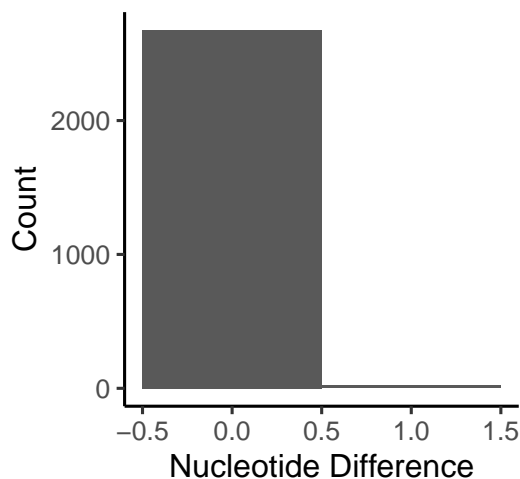
TRBV7–2*ap01

4482 sequences assigned
4456 (99.4%) exact matches, in which:
4424 unique CDR3
13 unique J



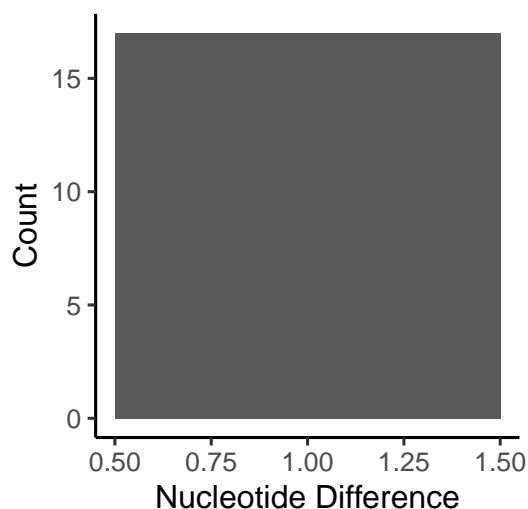
TRBV6–56*ap01

2697 sequences assigned
2676 (99.2%) exact matches, in which:
2638 unique CDR3
13 unique J



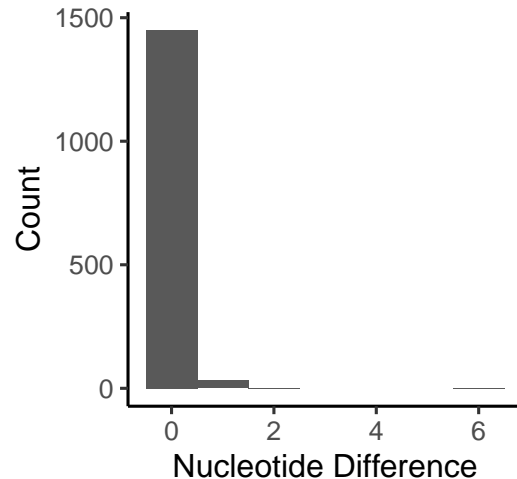
TRBV7–1*ap01_T296C

17 sequences assigned
No exact matches.



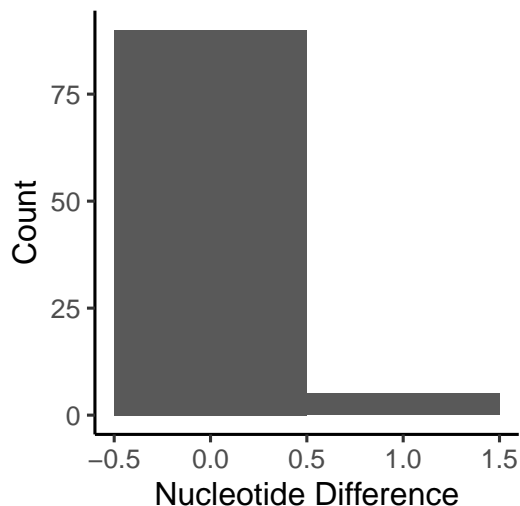
TRBV7–3*ap01

1484 sequences assigned
1450 (97.7%) exact matches, in which:
1440 unique CDR3
13 unique J



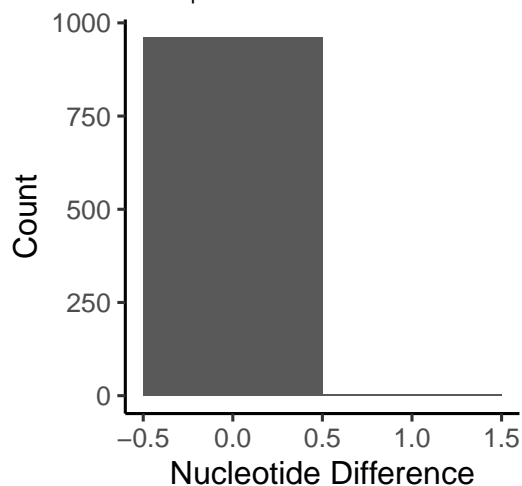
TRBV7-4*ap01

95 sequences assigned
90 (94.7%) exact matches, in which:
88 unique CDR3
12 unique J



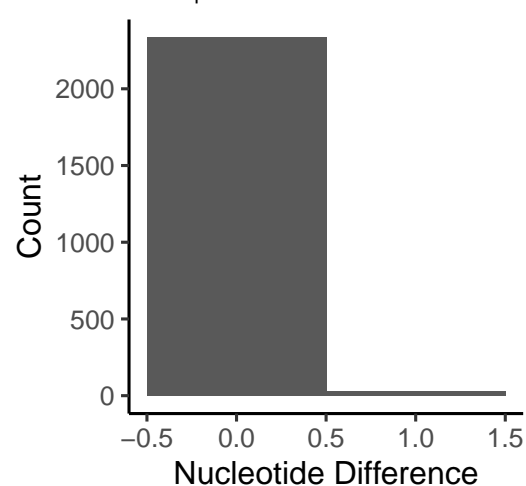
TRBV7-8*ap01

964 sequences assigned
961 (99.7%) exact matches, in which:
951 unique CDR3
13 unique J



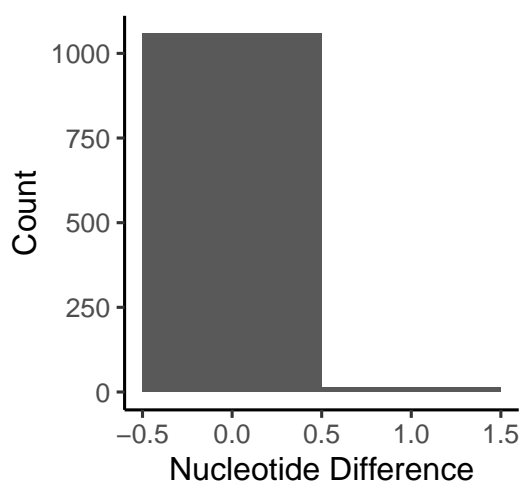
TRBV29-1*ap01

2363 sequences assigned
2335 (98.8%) exact matches, in which:
2287 unique CDR3
13 unique J



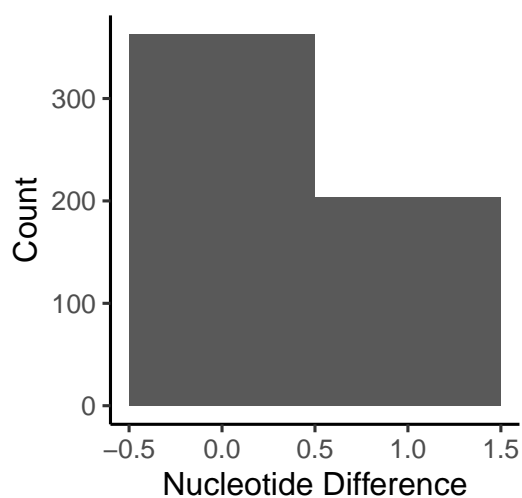
TRBV7-6*ap01

1070 sequences assigned
1058 (98.9%) exact matches, in which:
1045 unique CDR3
13 unique J



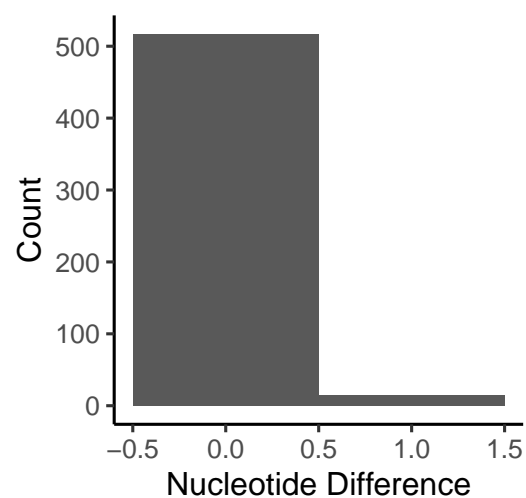
TRBV7-8*ap03

567 sequences assigned
363 (64%) exact matches, in which:
357 unique CDR3
13 unique J



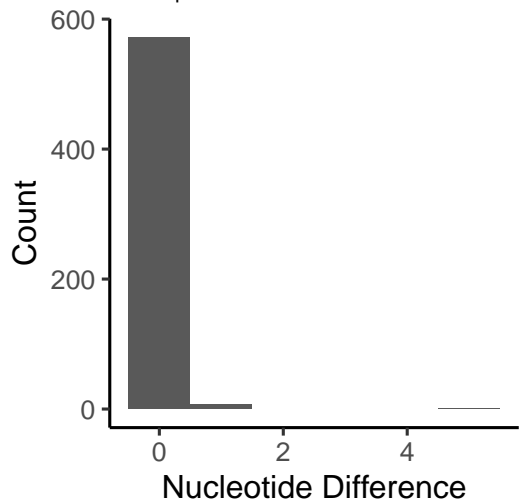
TRBV29-1*ap02

532 sequences assigned
517 (97.2%) exact matches, in which:
510 unique CDR3
13 unique J



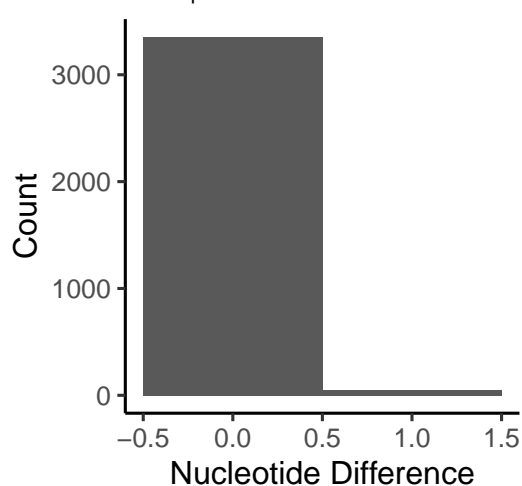
TRBV7-7*ap01

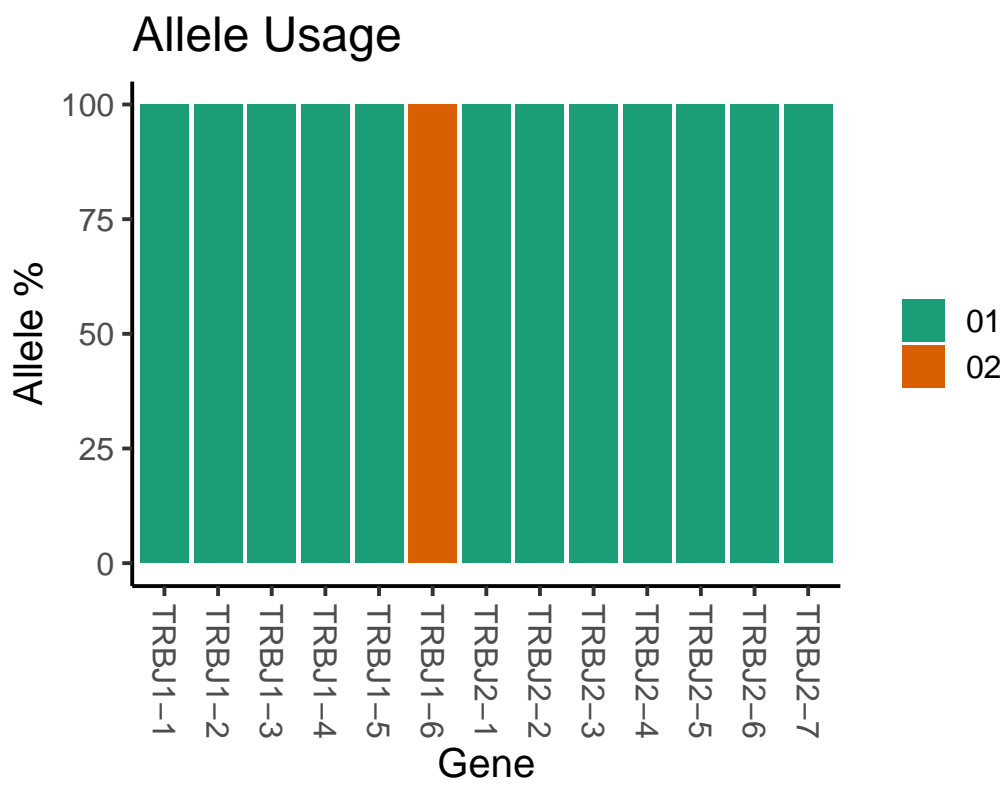
580 sequences assigned
572 (98.6%) exact matches, in which:
568 unique CDR3
13 unique J



TRBV7-9*ap01

3404 sequences assigned
3353 (98.5%) exact matches, in which:
3331 unique CDR3
13 unique J





[illegible]