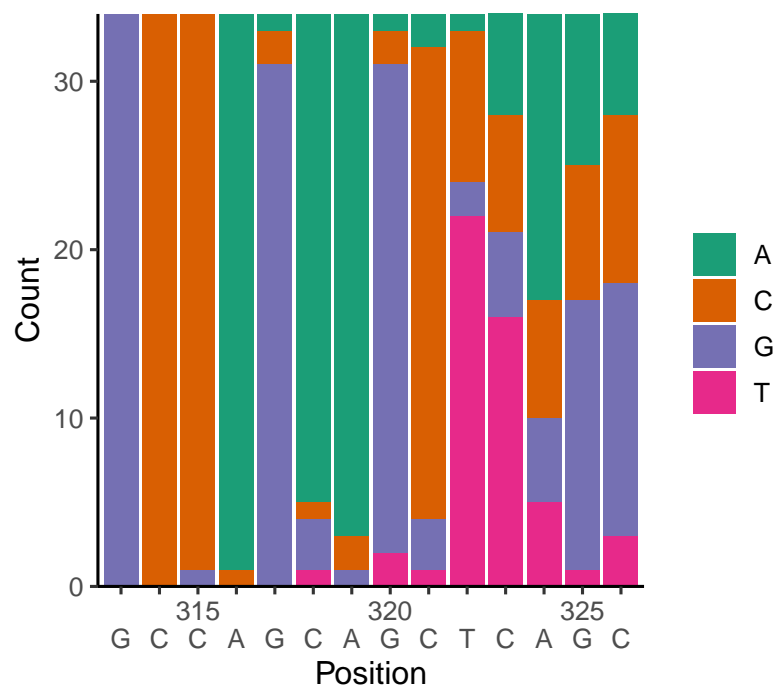
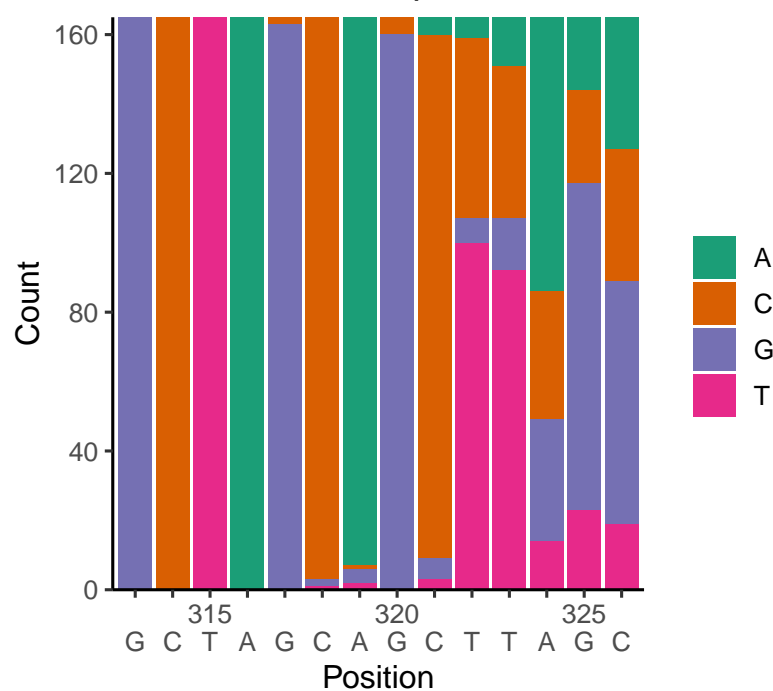


Gene TRBV7-1*ap01_G291C_T296C



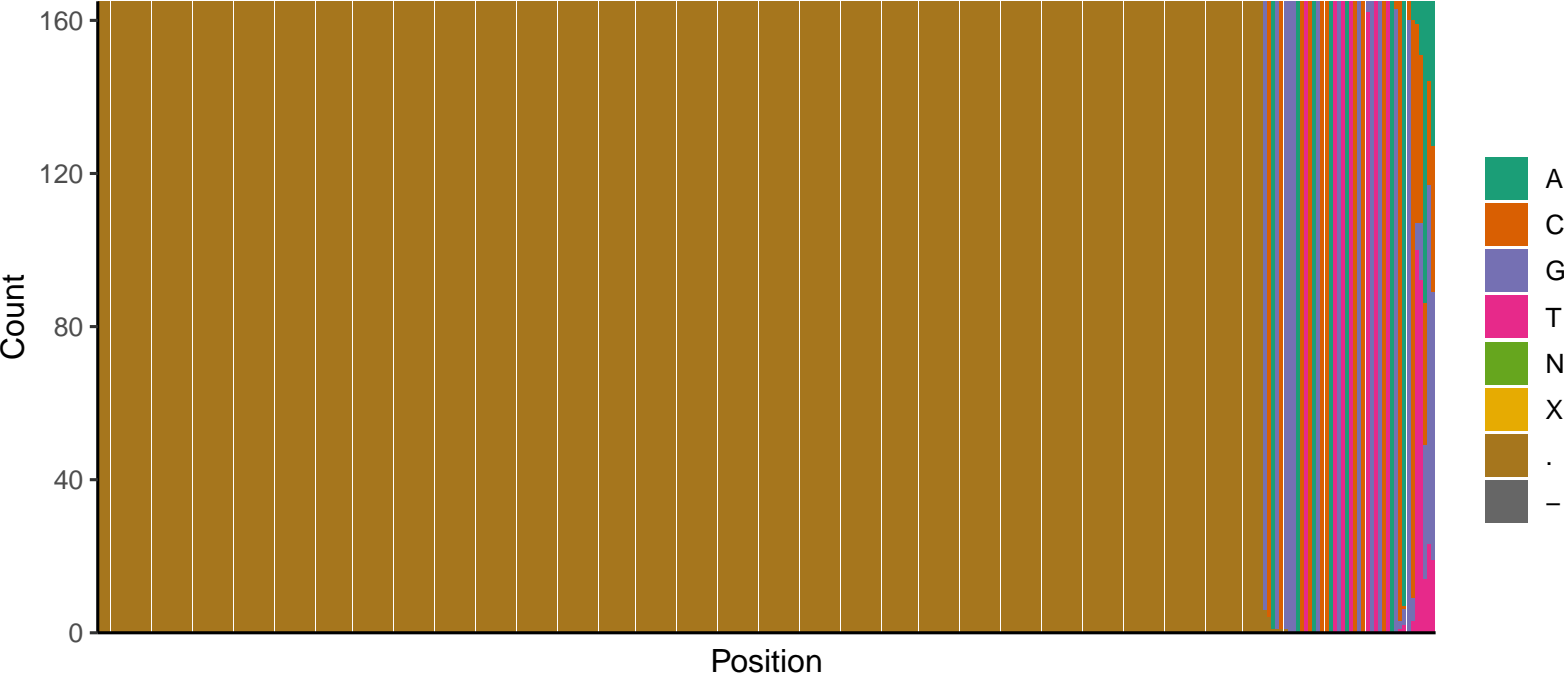
Gene TRBV7-7*ap01_C315T



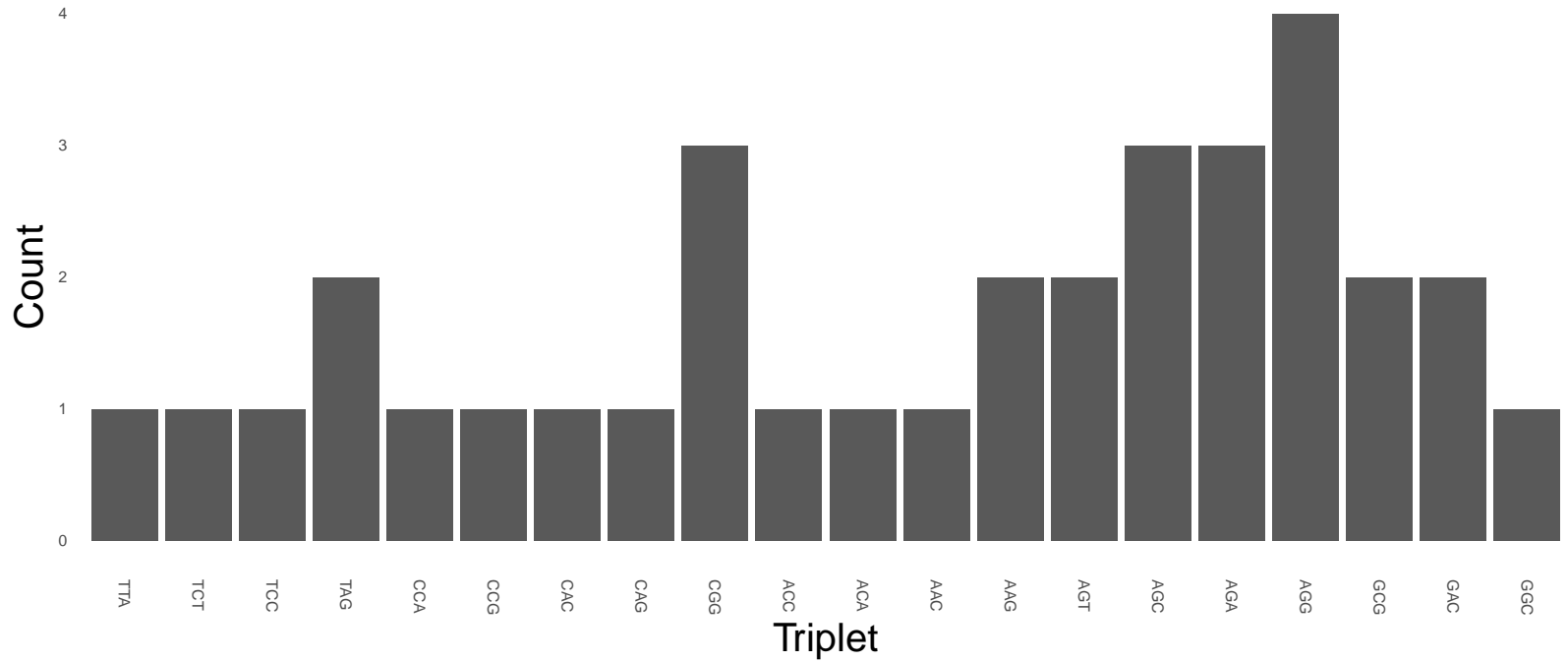
Gene TRBV7-1*ap01_G291C_T296C



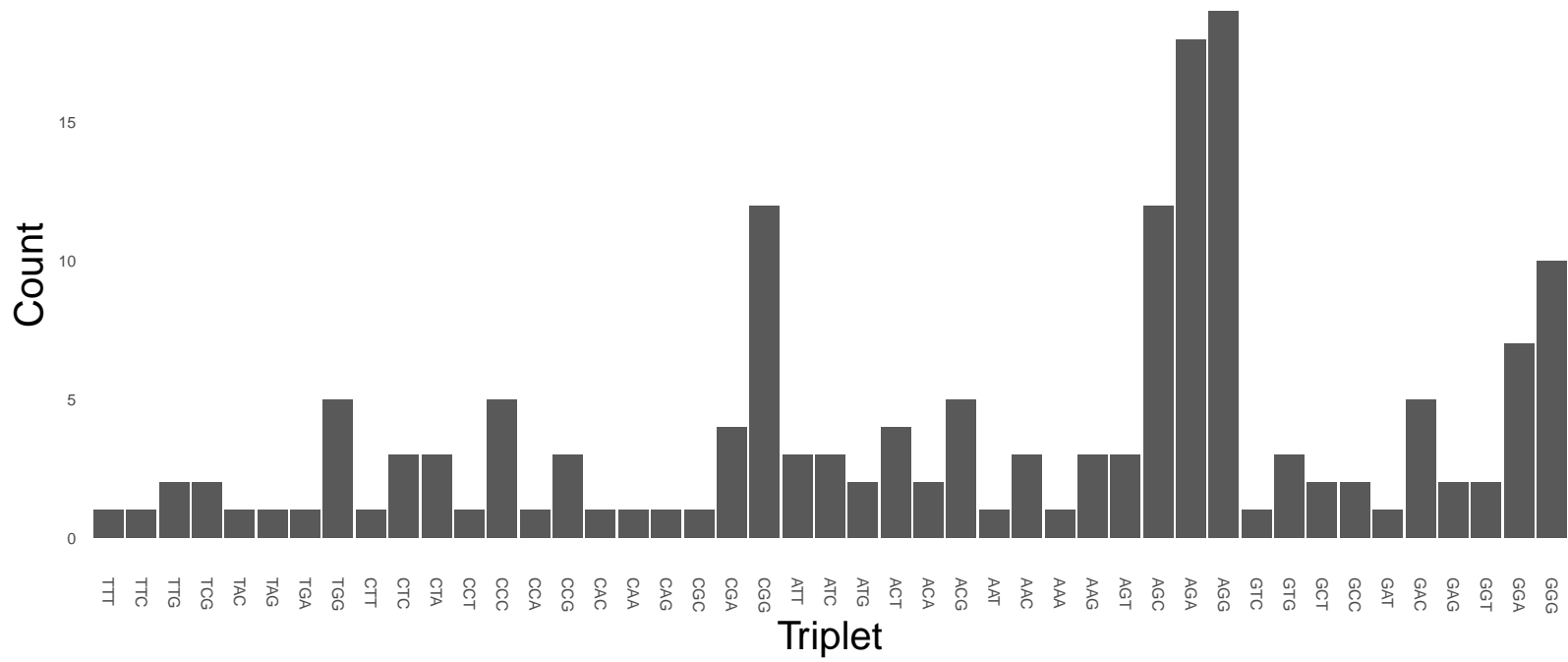
Gene TRBV7-7*ap01_C315T



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

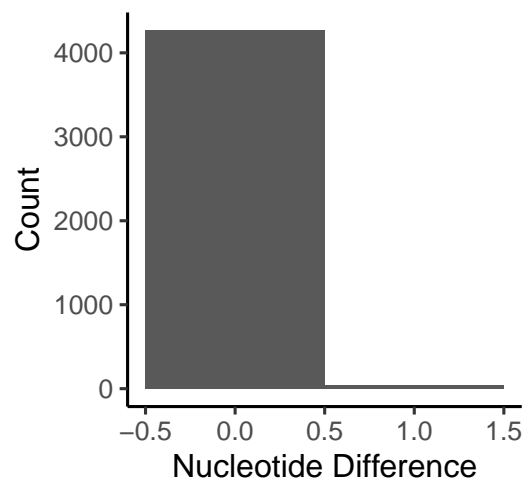


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



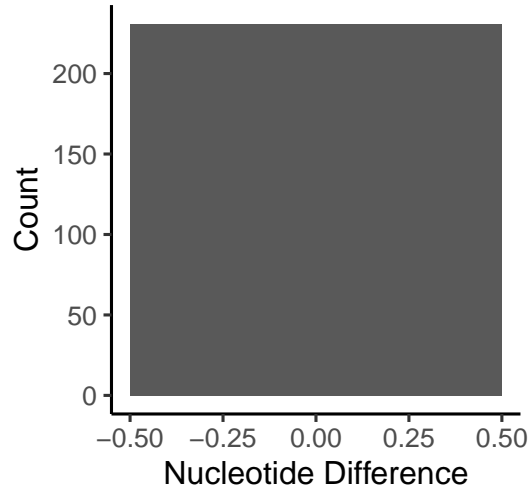
TRBV20–1*ap01

4307 sequences assigned
4267 (99.1%) exact matches, in which:
4196 unique CDR3
13 unique J



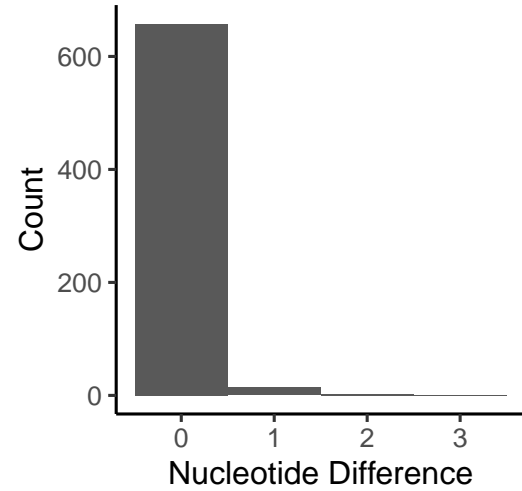
TRBV10–2*ap01

231 sequences assigned
231 (100%) exact matches, in which:
230 unique CDR3
13 unique J



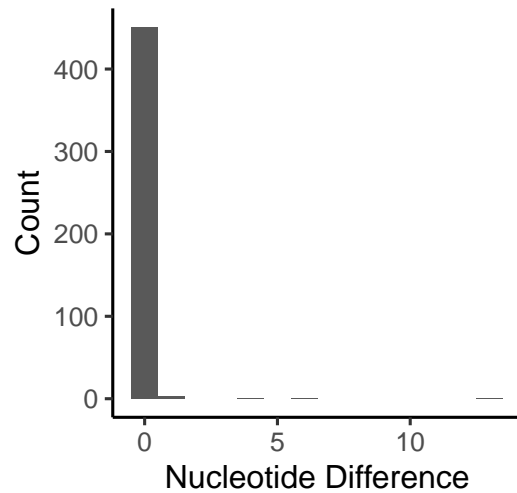
TRBV13*ap01

676 sequences assigned
658 (97.3%) exact matches, in which:
654 unique CDR3
13 unique J



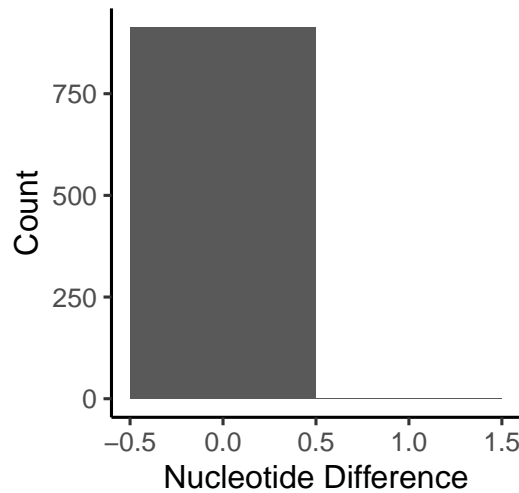
TRBV10–1*ap01

457 sequences assigned
451 (98.7%) exact matches, in which:
448 unique CDR3
12 unique J



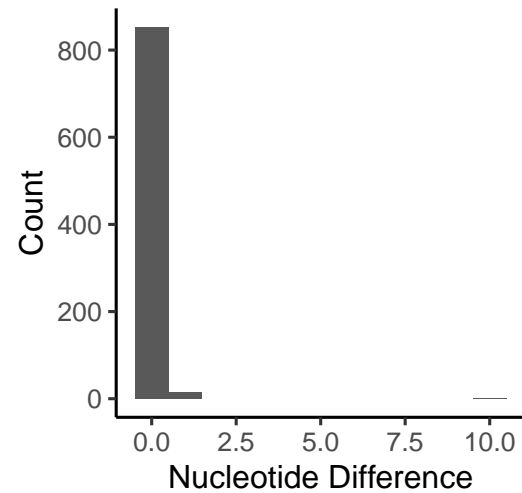
TRBV10–3*ap01

915 sequences assigned
914 (99.9%) exact matches, in which:
909 unique CDR3
13 unique J



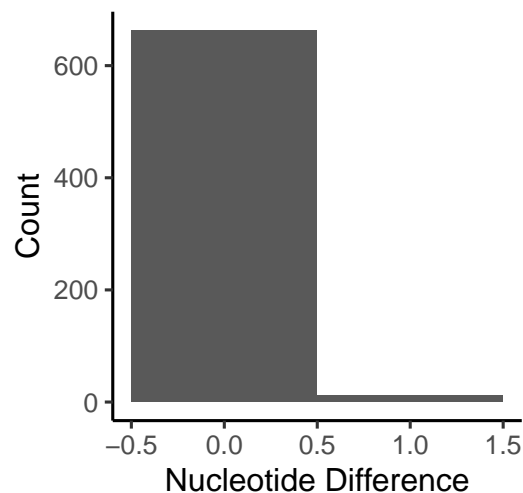
TRBV14*ap01

871 sequences assigned
853 (97.9%) exact matches, in which:
846 unique CDR3
13 unique J



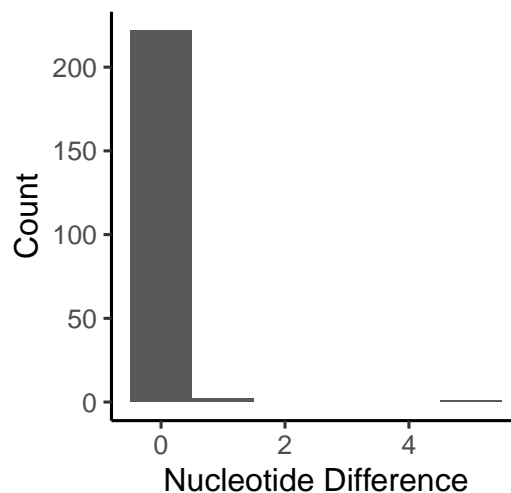
TRBV20–1*ap02

674 sequences assigned
663 (98.4%) exact matches, in which:
649 unique CDR3
13 unique J



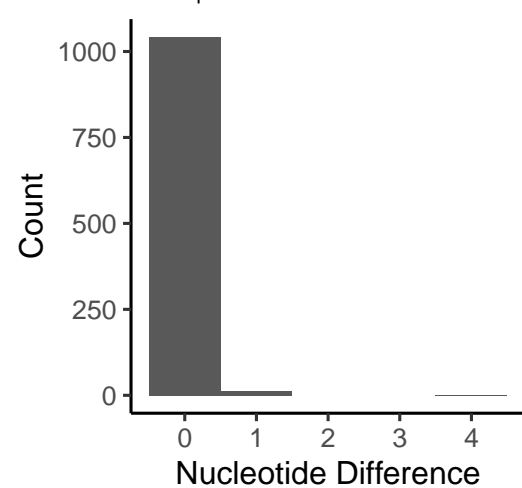
TRBV1*ap01

225 sequences assigned
222 (98.7%) exact matches, in which:
220 unique CDR3
12 unique J



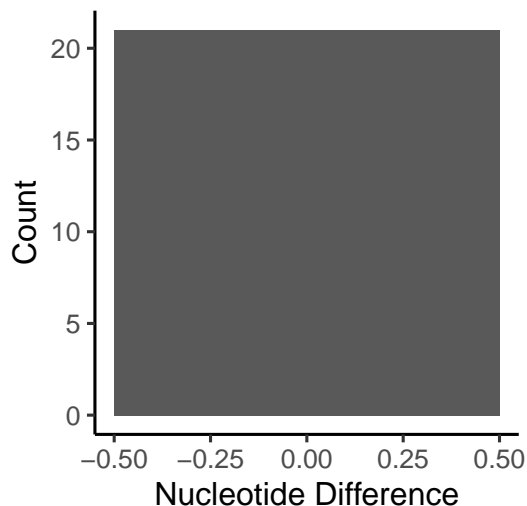
TRBV15*ap02

1056 sequences assigned
1042 (98.7%) exact matches, in which:
1035 unique CDR3
13 unique J



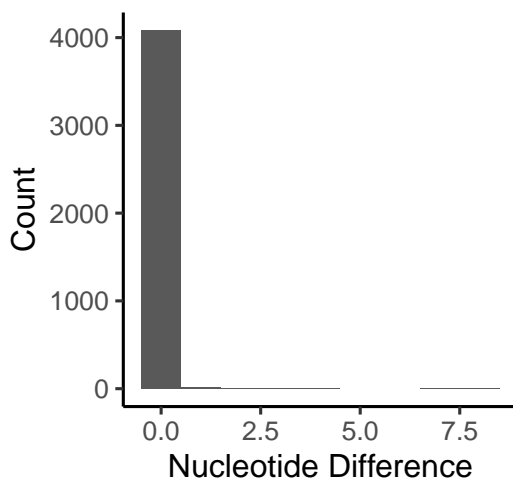
TRBV16*ap01

21 sequences assigned
21 (100%) exact matches, in which:
21 unique CDR3
9 unique J



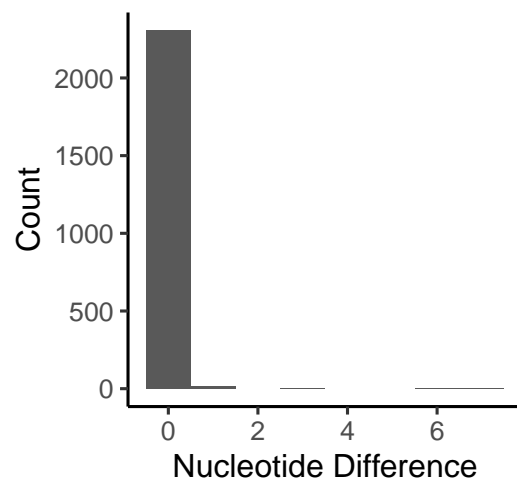
TRBV19*ap01

4116 sequences assigned
4082 (99.2%) exact matches, in which:
4060 unique CDR3
13 unique J



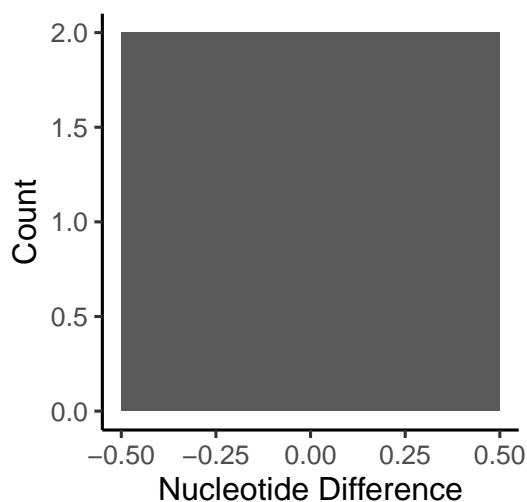
TRBV27*ap01

2323 sequences assigned
2306 (99.3%) exact matches, in which:
2297 unique CDR3
13 unique J



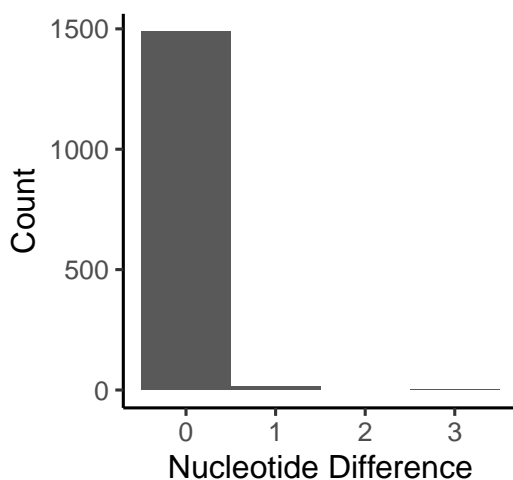
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



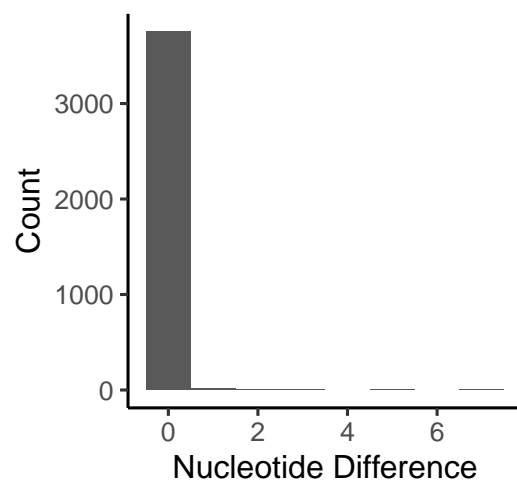
TRBV2*ap01

1504 sequences assigned
1488 (98.9%) exact matches, in which:
1482 unique CDR3
13 unique J



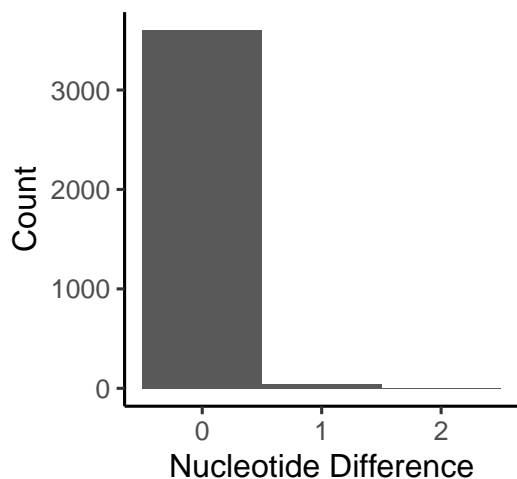
TRBV28*ap01

3768 sequences assigned
3752 (99.6%) exact matches, in which:
3738 unique CDR3
13 unique J



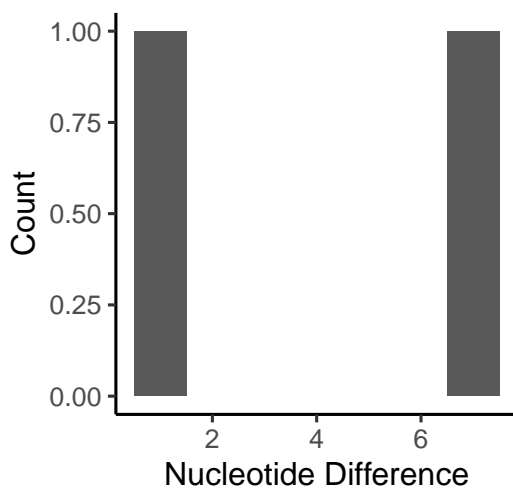
TRBV18*ap01

3648 sequences assigned
3603 (98.8%) exact matches, in which:
3551 unique CDR3
13 unique J



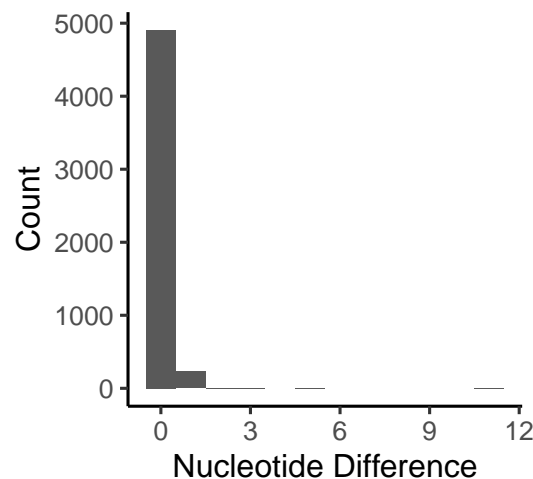
TRBV26*ap01

2 sequences assigned
No exact matches.



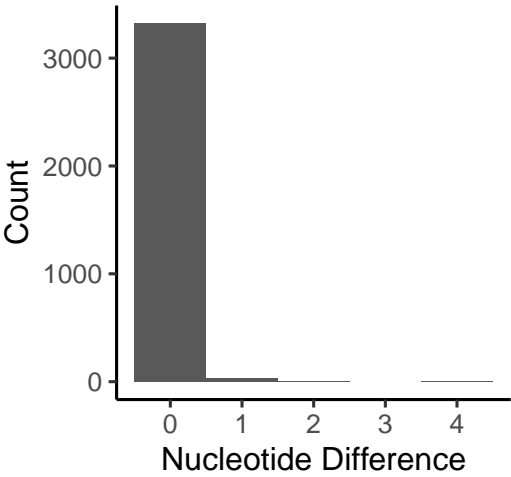
TRBV30*ap01

5146 sequences assigned
4906 (95.3%) exact matches, in which:
4696 unique CDR3
13 unique J



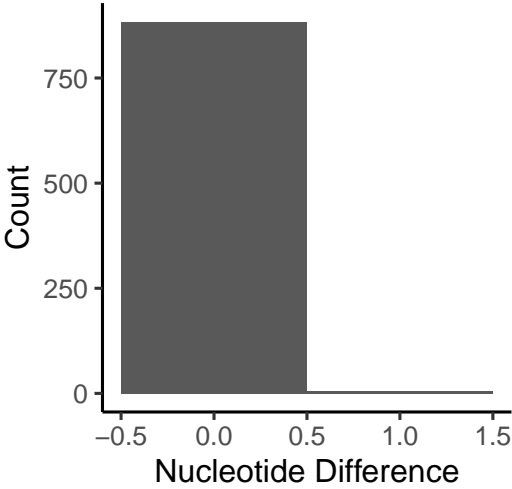
TRBV9*ap01

3356 sequences assigned
3322 (99%) exact matches, in which:
3292 unique CDR3
13 unique J



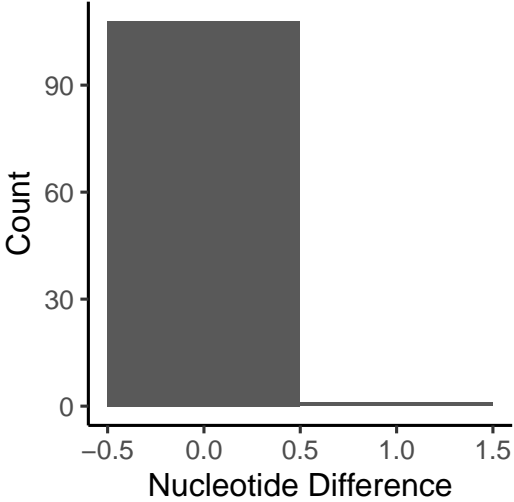
TRBV11-2*ap01

889 sequences assigned
884 (99.4%) exact matches, in which:
880 unique CDR3
13 unique J



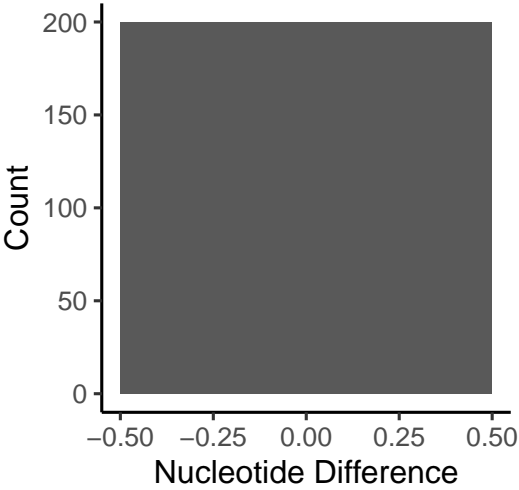
TRBV12-2*ap01

109 sequences assigned
108 (99.1%) exact matches, in which:
107 unique CDR3
12 unique J



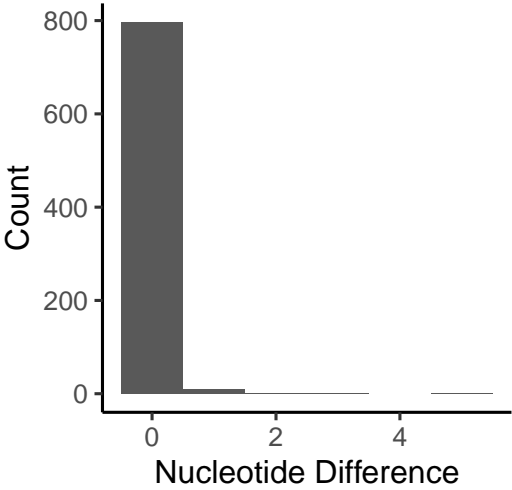
TRBV11-1*ap01

200 sequences assigned
200 (100%) exact matches, in which:
198 unique CDR3
12 unique J



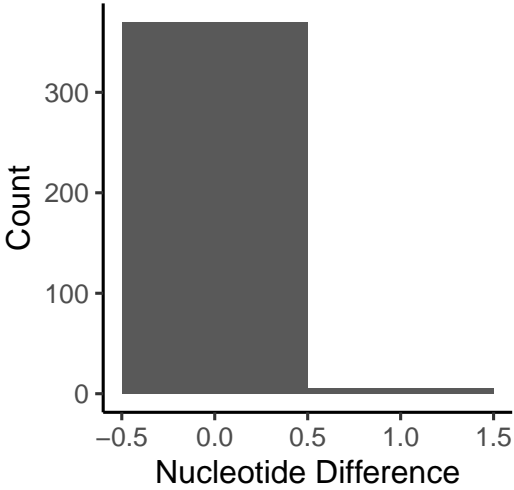
TRBV11-3*ap01

811 sequences assigned
797 (98.3%) exact matches, in which:
794 unique CDR3
13 unique J



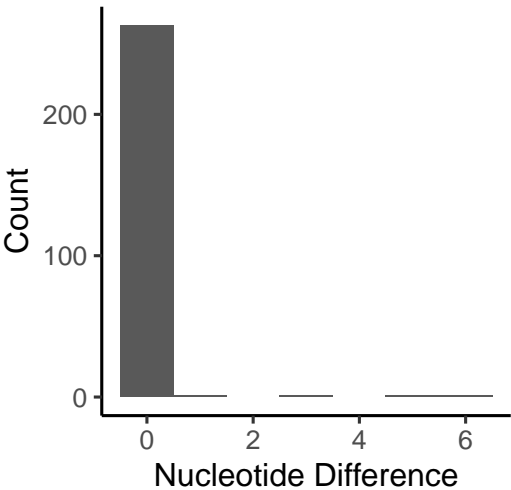
TRBV12-5*ap01

375 sequences assigned
370 (98.7%) exact matches, in which:
368 unique CDR3
12 unique J



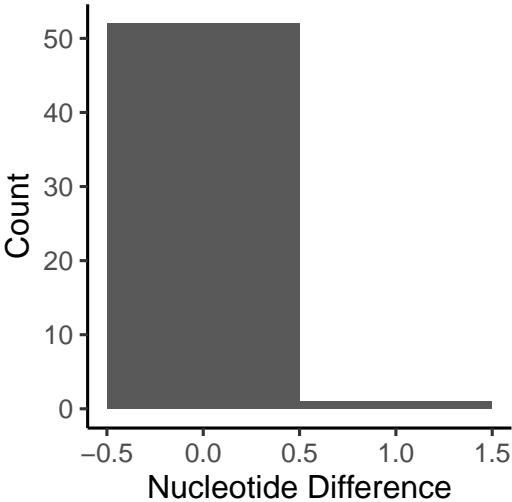
TRBV21-1*ap01

267 sequences assigned
263 (98.5%) exact matches, in which:
263 unique CDR3
12 unique J



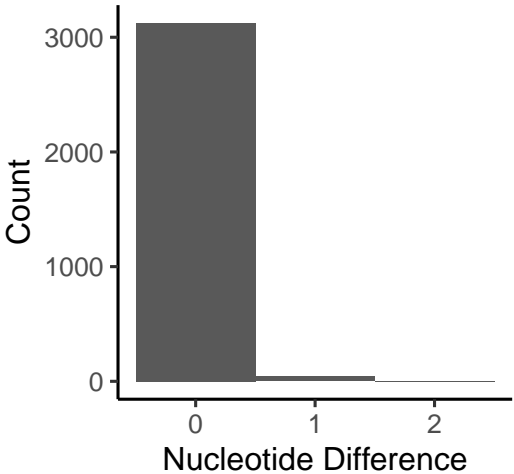
TRBV12-1*ap01

53 sequences assigned
52 (98.1%) exact matches, in which:
52 unique CDR3
10 unique J



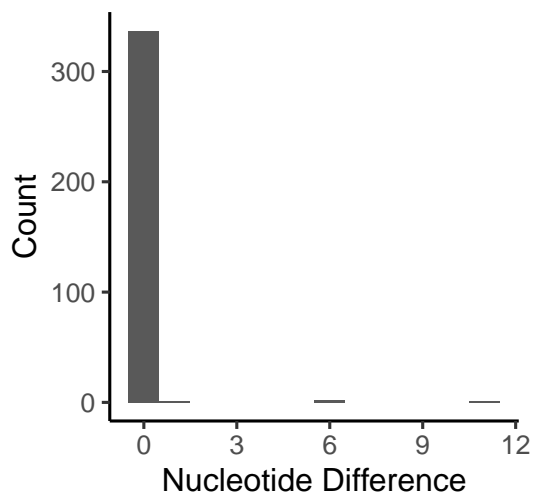
TRBV12-34*ap01

3169 sequences assigned
3124 (98.6%) exact matches, in which:
3102 unique CDR3
13 unique J



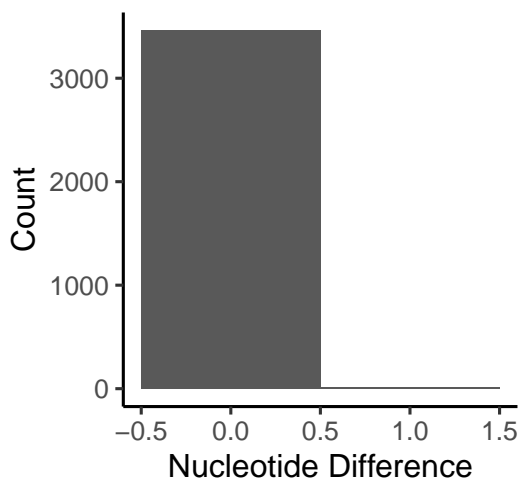
TRBV23-1*ap01

341 sequences assigned
337 (98.8%) exact matches, in which:
336 unique CDR3
13 unique J



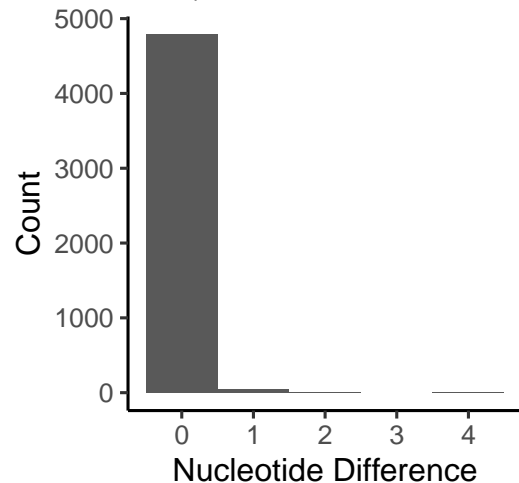
TRBV4-1*ap01

3476 sequences assigned
3462 (99.6%) exact matches, in which:
3423 unique CDR3
13 unique J



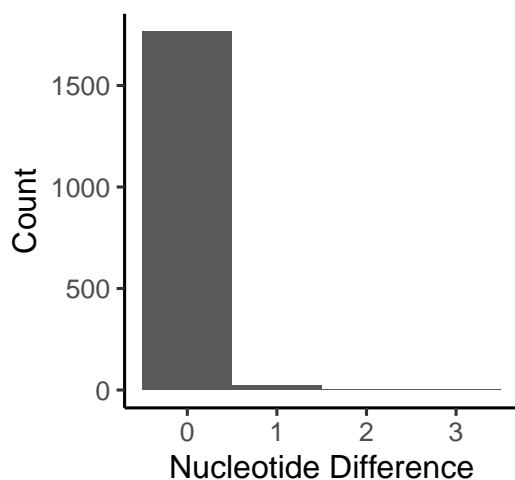
TRBV5-1*ap01

4836 sequences assigned
4789 (99%) exact matches, in which:
4741 unique CDR3
13 unique J



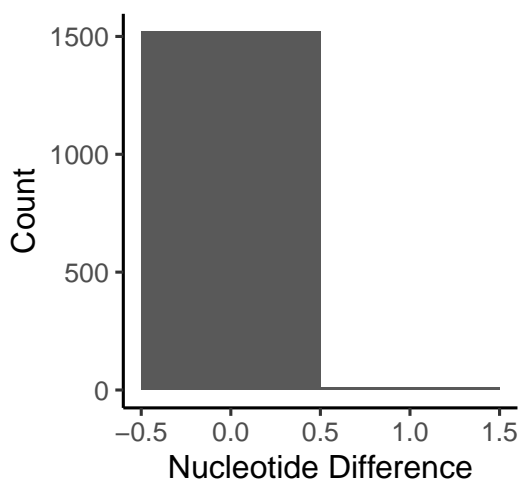
TRBV3-12*ap01

1787 sequences assigned
1765 (98.8%) exact matches, in which:
1757 unique CDR3
13 unique J



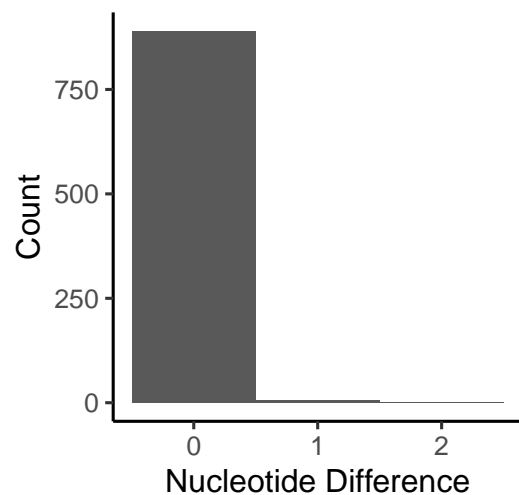
TRBV4-2*ap01

1532 sequences assigned
1520 (99.2%) exact matches, in which:
1505 unique CDR3
13 unique J



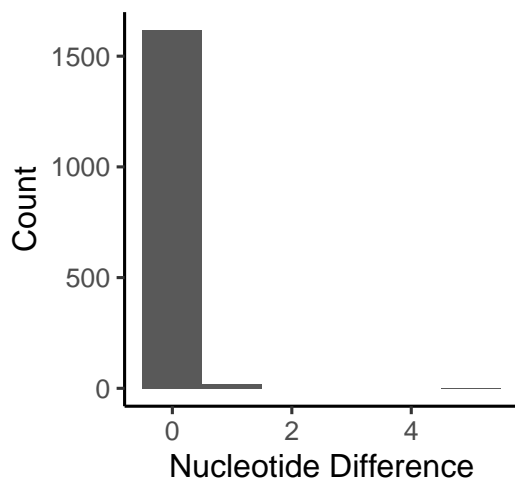
TRBV25-1*ap01

898 sequences assigned
890 (99.1%) exact matches, in which:
883 unique CDR3
13 unique J



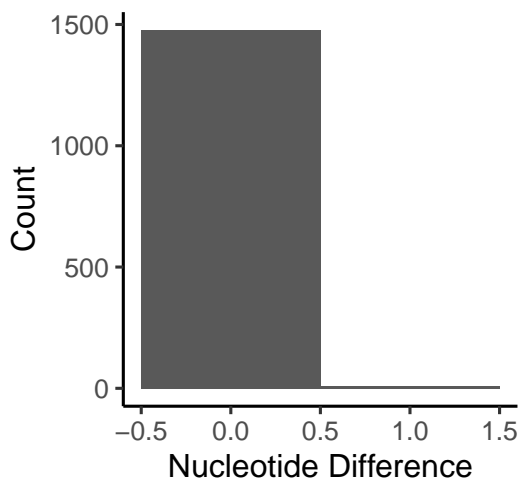
TRBV24-1*ap01

1638 sequences assigned
1618 (98.8%) exact matches, in which:
1610 unique CDR3
13 unique J



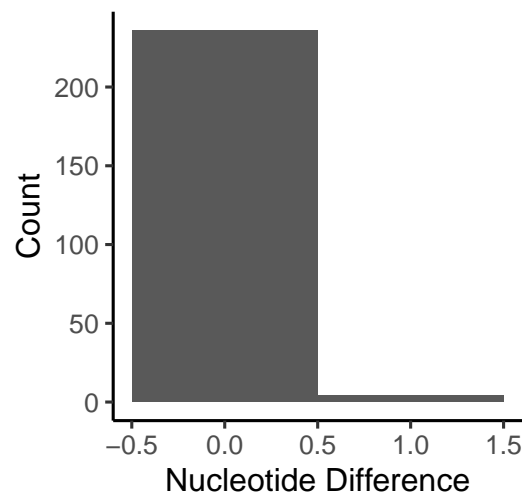
TRBV4-3*ap01

1487 sequences assigned
1477 (99.3%) exact matches, in which:
1459 unique CDR3
13 unique J



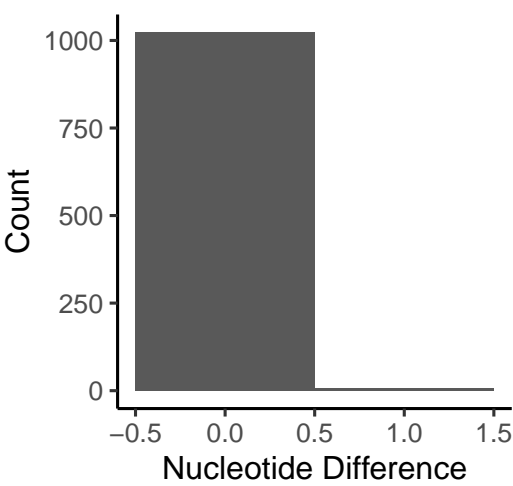
TRBV5-3*ap01

240 sequences assigned
236 (98.3%) exact matches, in which:
235 unique CDR3
13 unique J



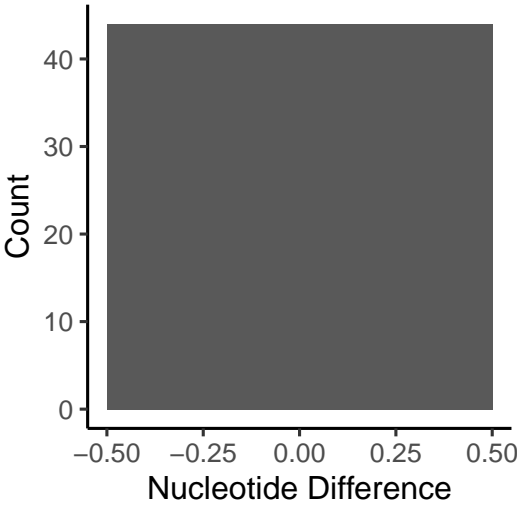
TRBV5-4*ap01

1031 sequences assigned
1023 (99.2%) exact matches, in which:
1017 unique CDR3
13 unique J



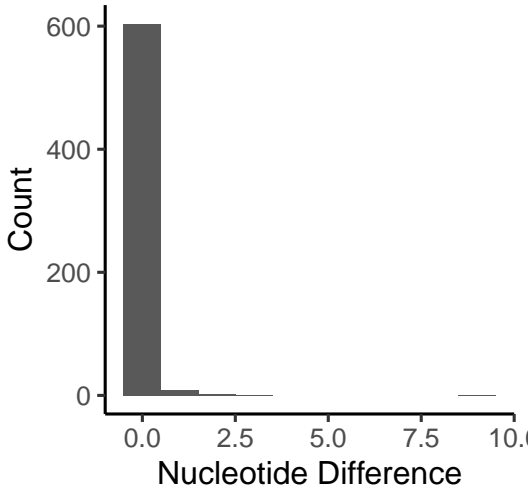
TRBV5-7*ap01

44 sequences assigned
44 (100%) exact matches, in which:
44 unique CDR3
8 unique J



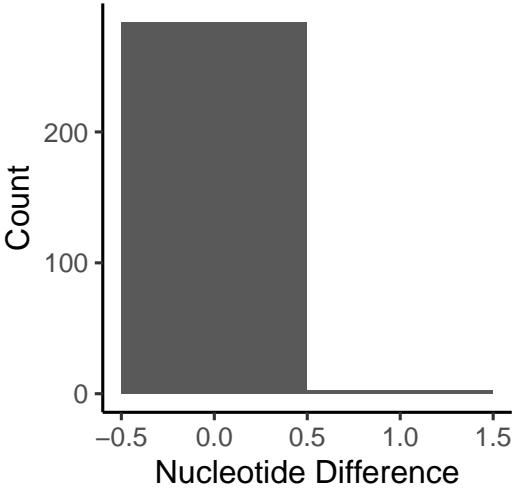
TRBV6-4*ap01

617 sequences assigned
604 (97.9%) exact matches, in which:
598 unique CDR3
13 unique J



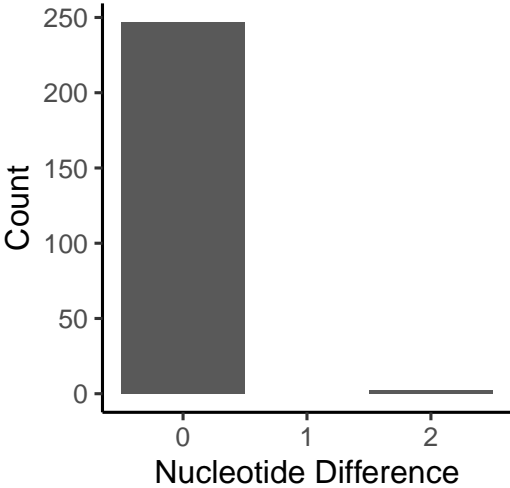
TRBV5-5*ap01

287 sequences assigned
284 (99%) exact matches, in which:
284 unique CDR3
12 unique J



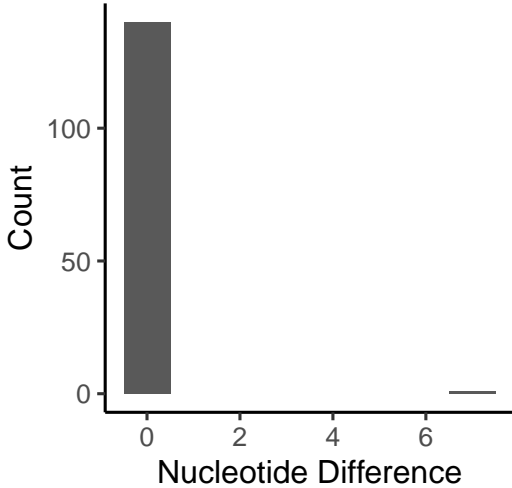
TRBV5-8*ap01

249 sequences assigned
247 (99.2%) exact matches, in which:
246 unique CDR3
13 unique J



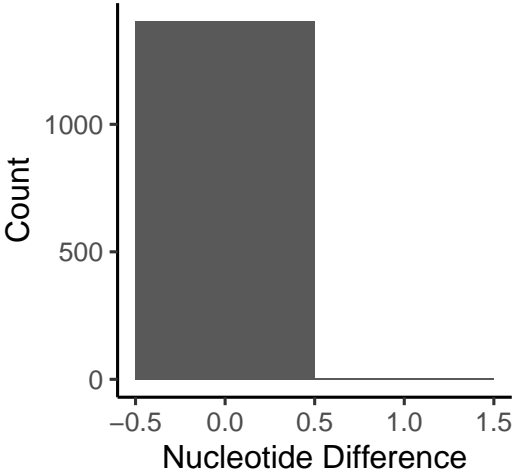
TRBV6-7*ap01

141 sequences assigned
140 (99.3%) exact matches, in which:
140 unique CDR3
12 unique J



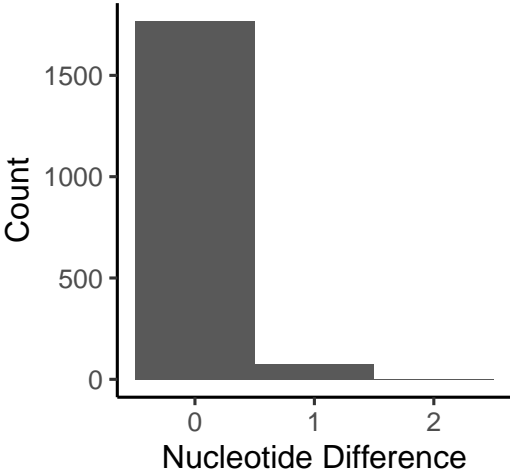
TRBV5-6*ap01

1409 sequences assigned
1405 (99.7%) exact matches, in which:
1377 unique CDR3
13 unique J



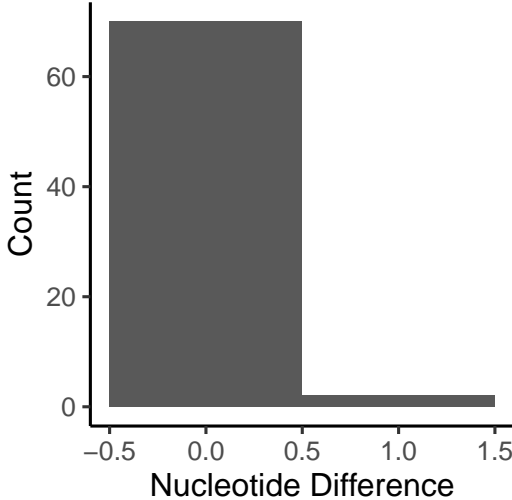
TRBV6-1*ap01

1846 sequences assigned
1768 (95.8%) exact matches, in which:
1749 unique CDR3
13 unique J



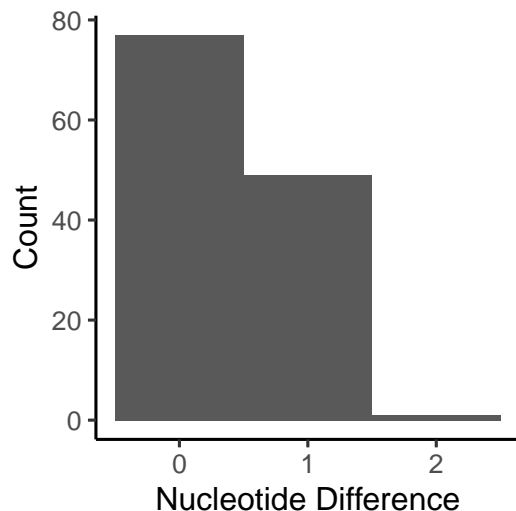
TRBV6-8*ap01

72 sequences assigned
70 (97.2%) exact matches, in which:
67 unique CDR3
9 unique J



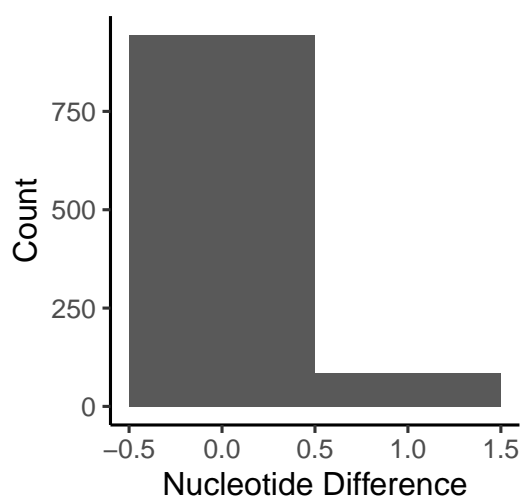
TRBV6–9*ap01

127 sequences assigned
77 (60.6%) exact matches, in which:
77 unique CDR3
11 unique J



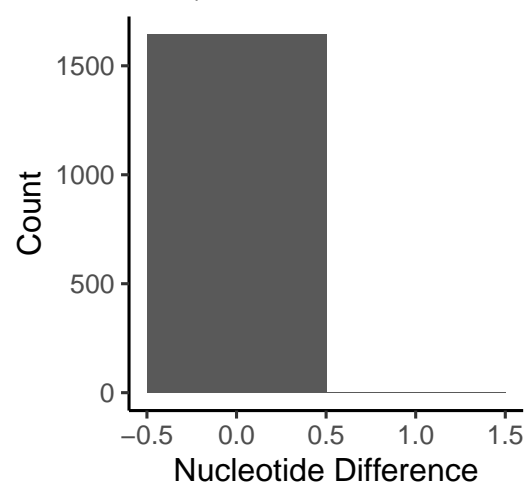
TRBV6–56*ap02

1029 sequences assigned
945 (91.8%) exact matches, in which:
934 unique CDR3
13 unique J



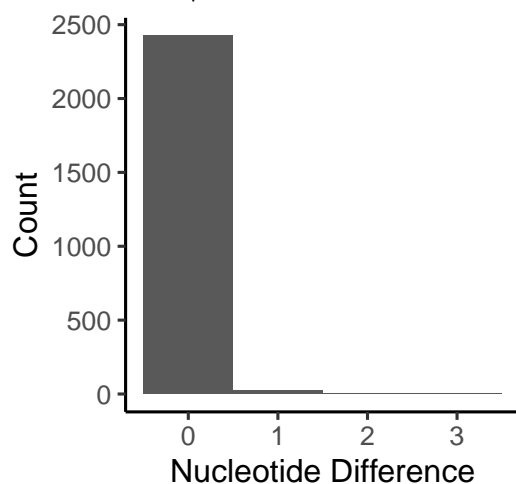
TRBV7–2*ap01

1648 sequences assigned
1644 (99.8%) exact matches, in which:
1626 unique CDR3
12 unique J



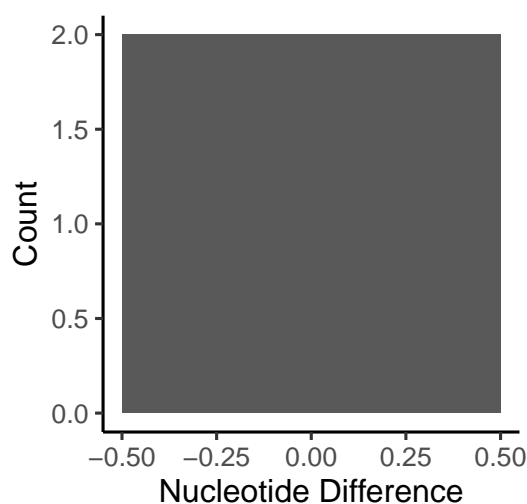
TRBV6–23*ap01

2455 sequences assigned
2425 (98.8%) exact matches, in which:
2400 unique CDR3
13 unique J



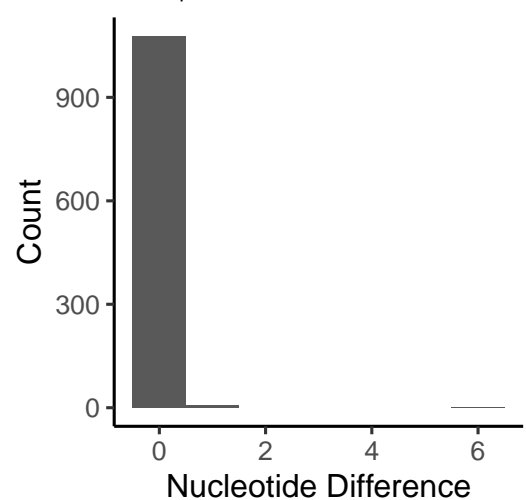
TRBV7–1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



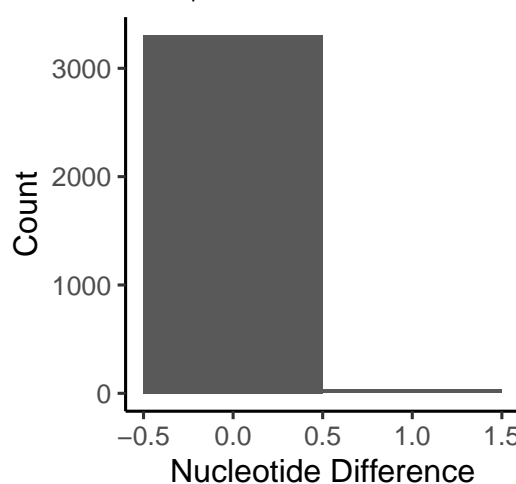
TRBV7–3*ap01

1085 sequences assigned
1078 (99.4%) exact matches, in which:
1070 unique CDR3
13 unique J



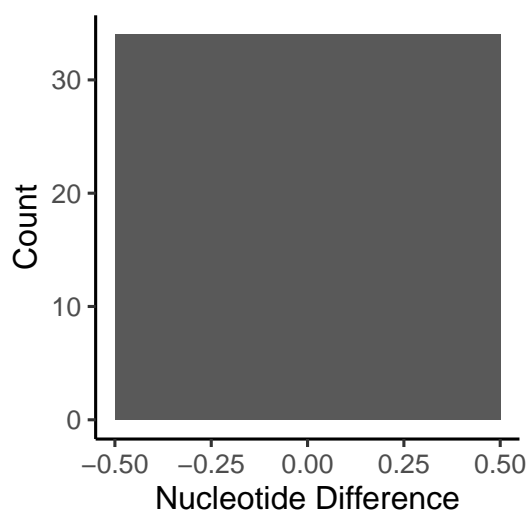
TRBV6–56*ap01

3343 sequences assigned
3307 (98.9%) exact matches, in which:
3265 unique CDR3
13 unique J



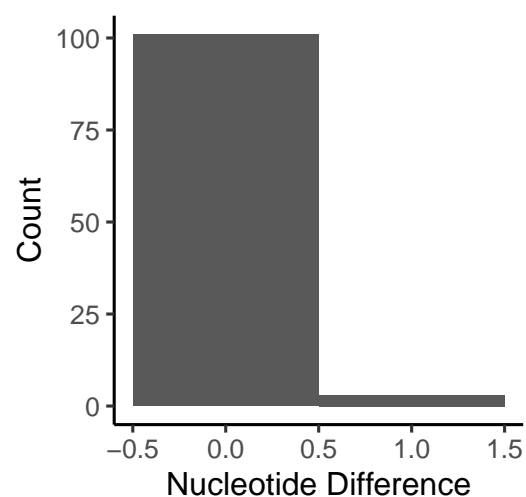
TRBV7–1*ap01_G291C_T

34 sequences assigned
34 (100%) exact matches, in which:
34 unique CDR3
9 unique J



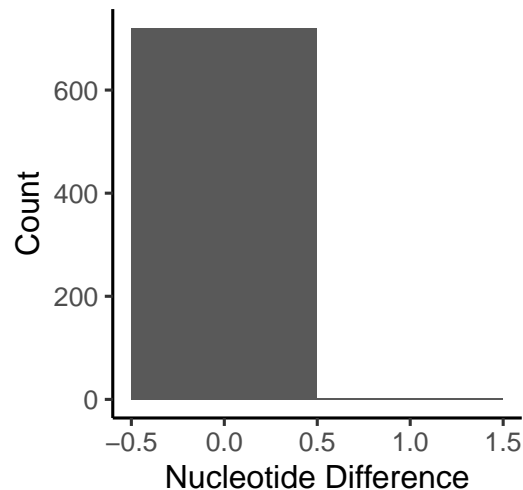
TRBV7–4*ap01

104 sequences assigned
101 (97.1%) exact matches, in which:
100 unique CDR3
13 unique J



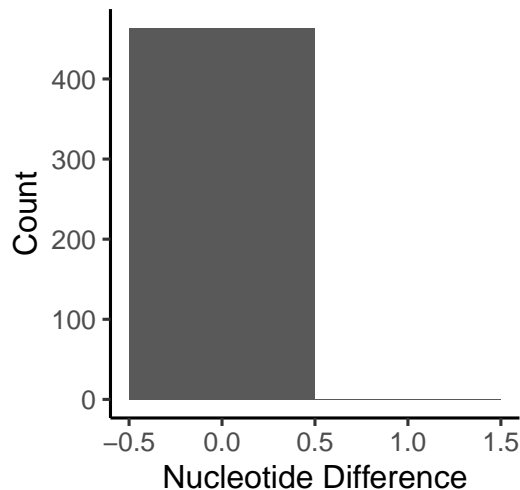
TRBV7-6*ap01

724 sequences assigned
721 (99.6%) exact matches, in which:
715 unique CDR3
13 unique J



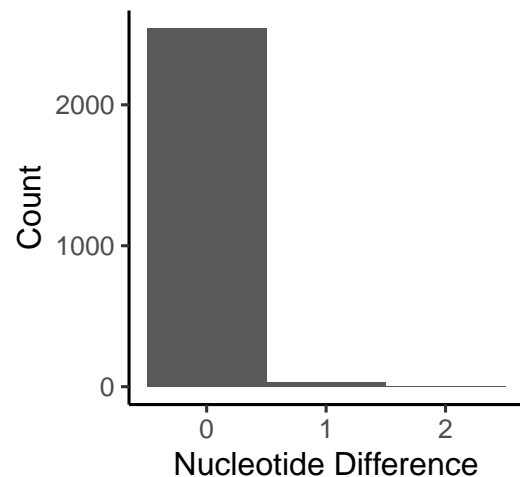
TRBV7-8*ap01

465 sequences assigned
464 (99.8%) exact matches, in which:
461 unique CDR3
13 unique J



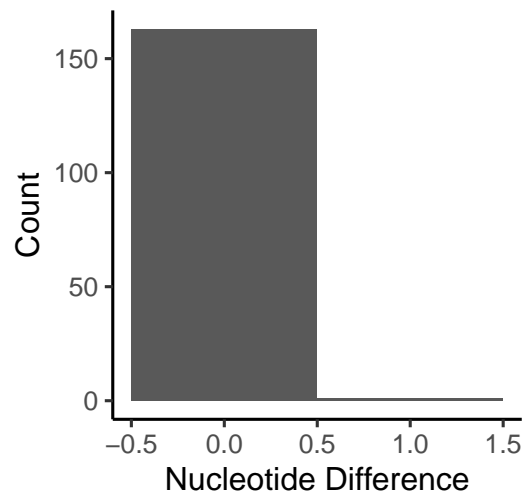
TRBV29-1*ap01

2575 sequences assigned
2542 (98.7%) exact matches, in which:
2482 unique CDR3
13 unique J



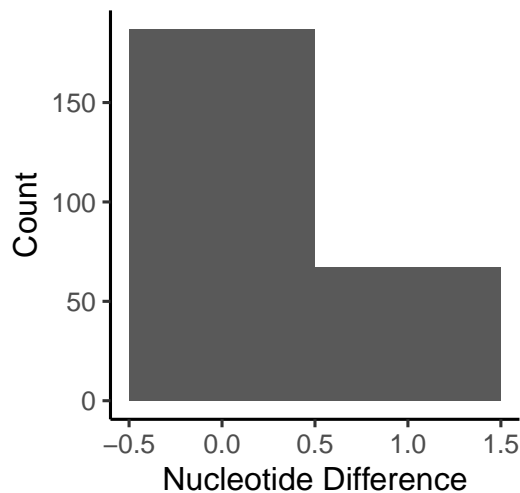
TRBV7-7*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
162 unique CDR3
12 unique J



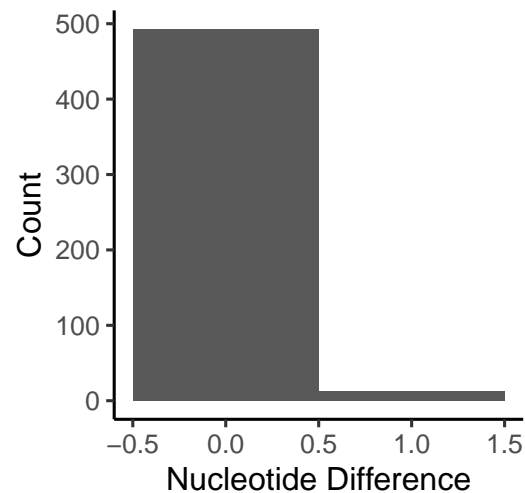
TRBV7-8*ap03

254 sequences assigned
187 (73.6%) exact matches, in which:
185 unique CDR3
10 unique J



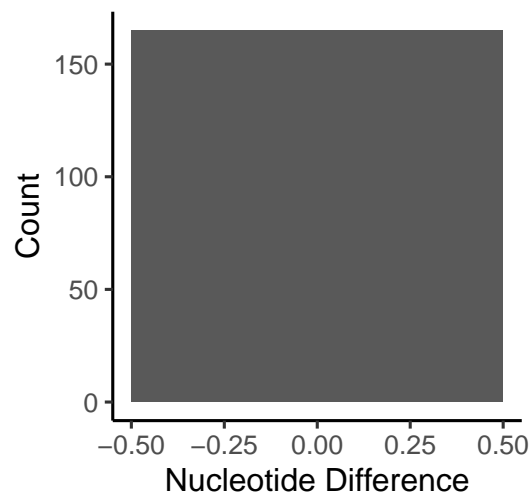
TRBV29-1*ap02

505 sequences assigned
493 (97.6%) exact matches, in which:
475 unique CDR3
13 unique J



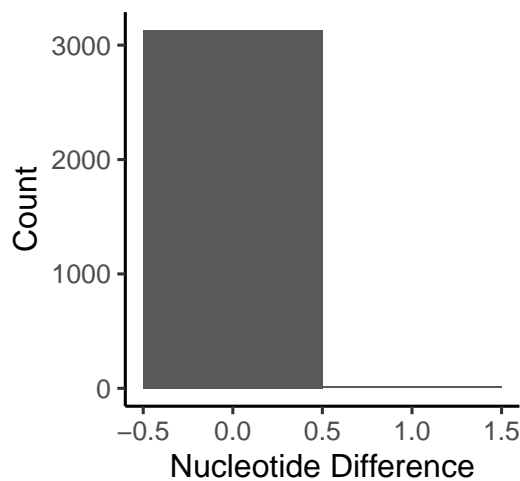
TRBV7-7*ap01_C315T

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

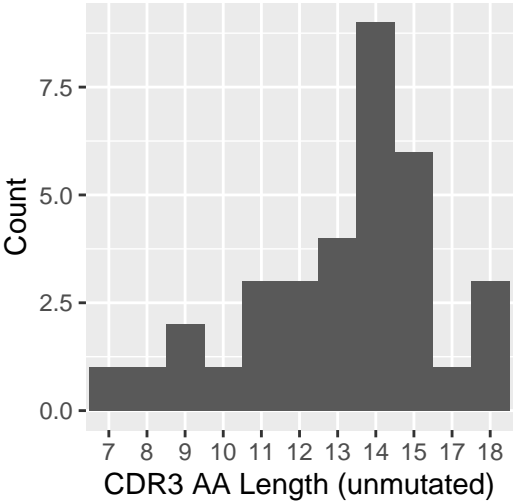


TRBV7-9*ap01

3148 sequences assigned
3132 (99.5%) exact matches, in which:
3104 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

