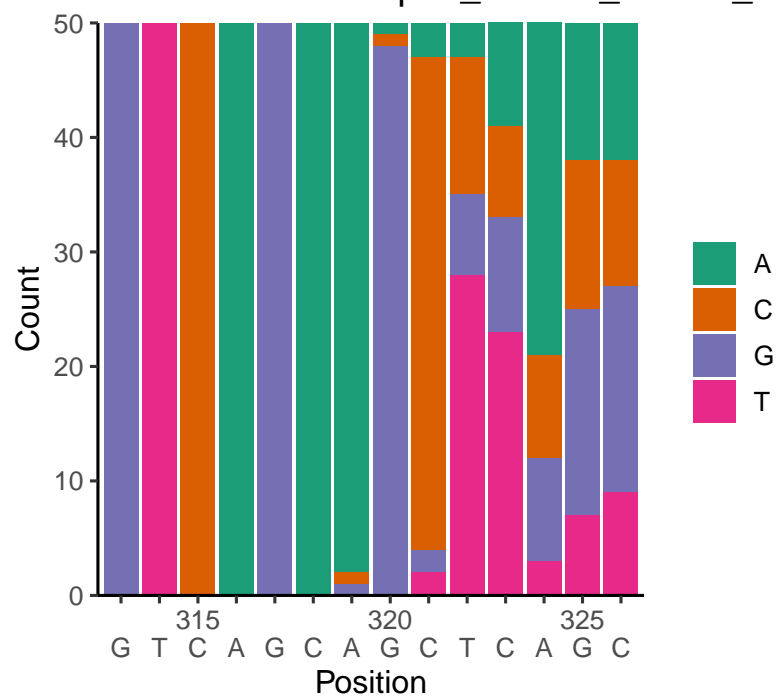
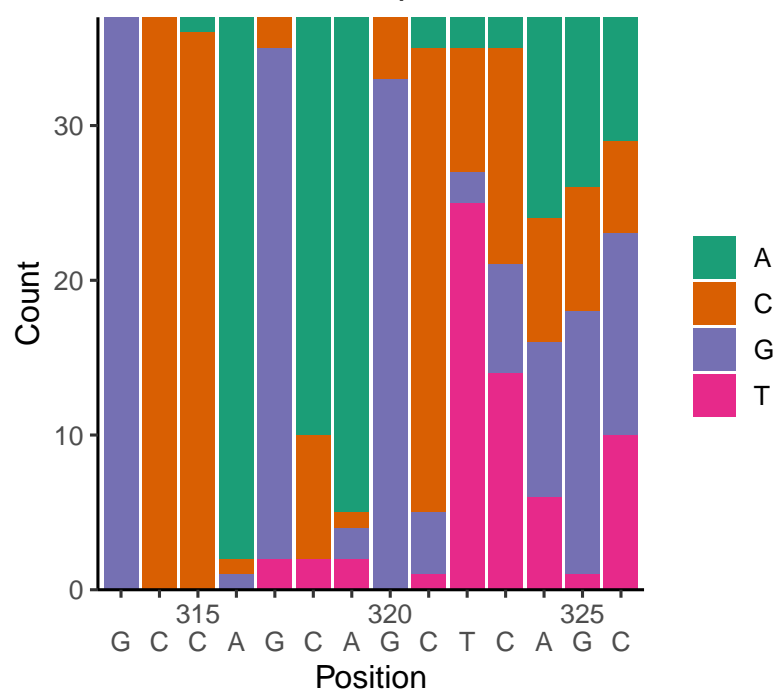


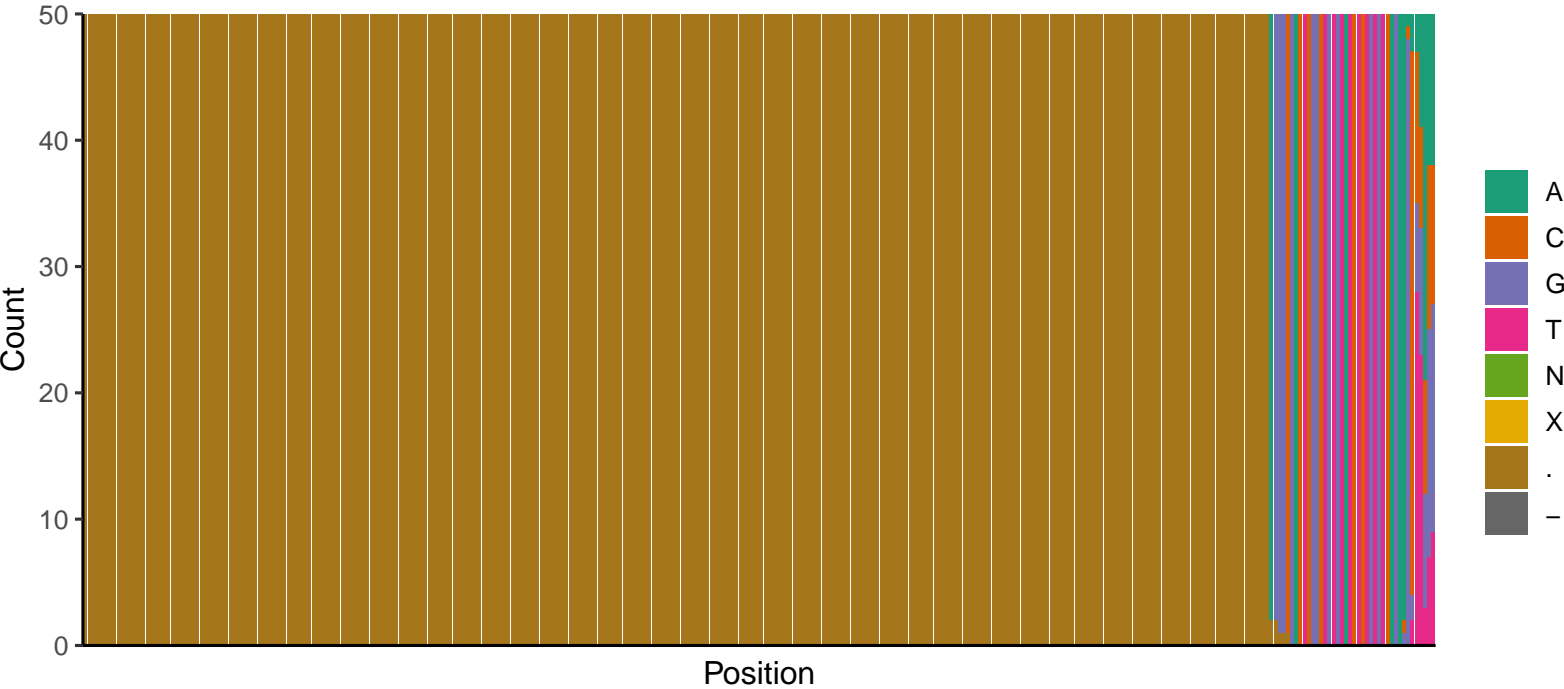
Gene TRBV7-1*ap01_G291C_T296C_C314T



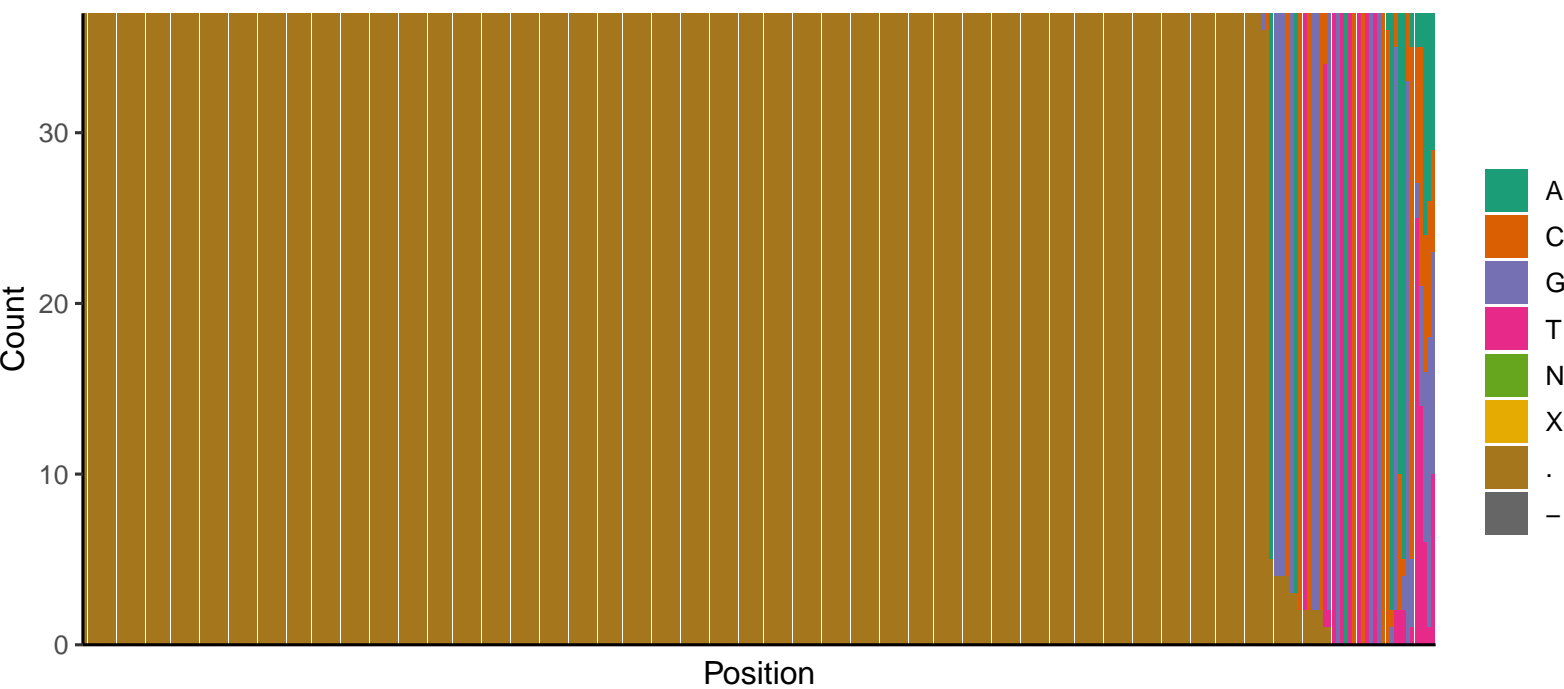
Gene TRBV7-1*ap01_G291C_T296C



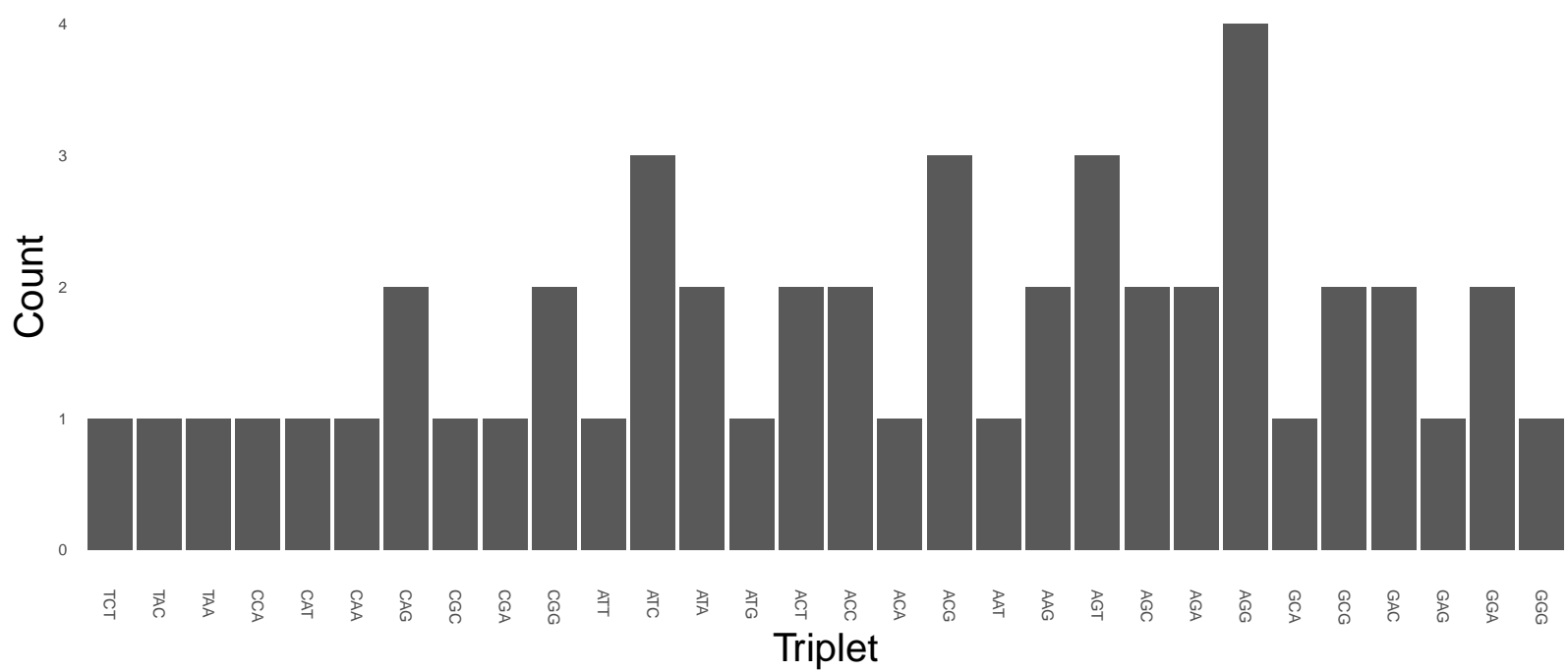
Gene TRBV7-1*ap01_G291C_T296C_C314T



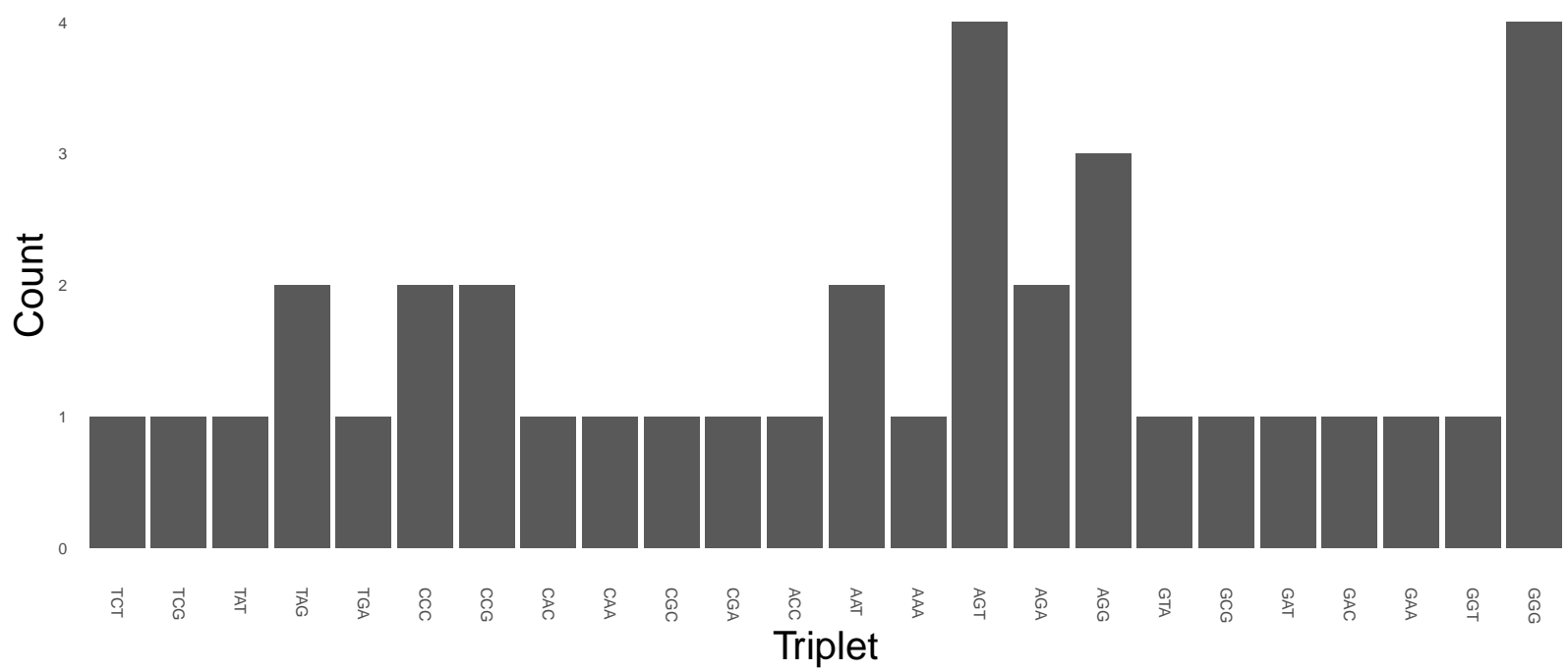
Gene TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

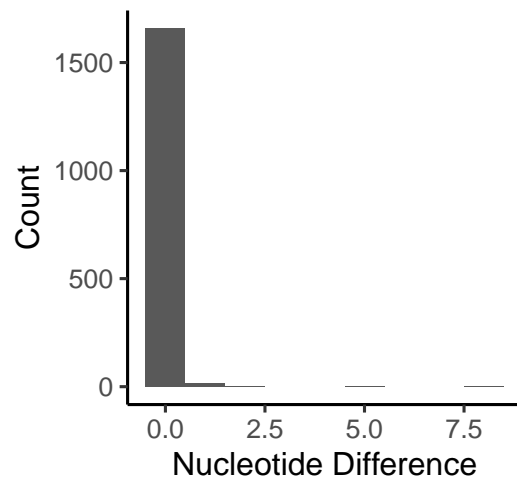


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



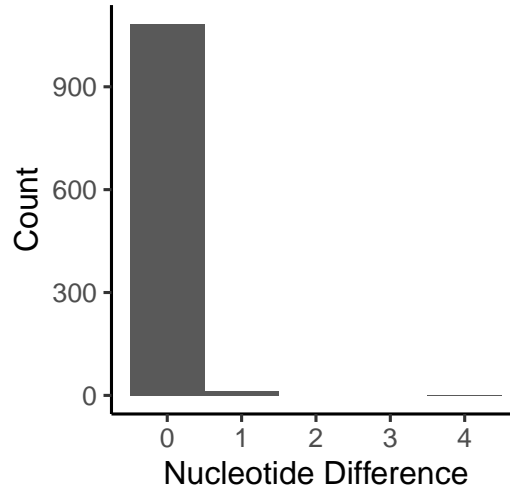
TRBV10-1*ap01

1676 sequences assigned
1658 (98.9%) exact matches, in which:
1629 unique CDR3
13 unique J



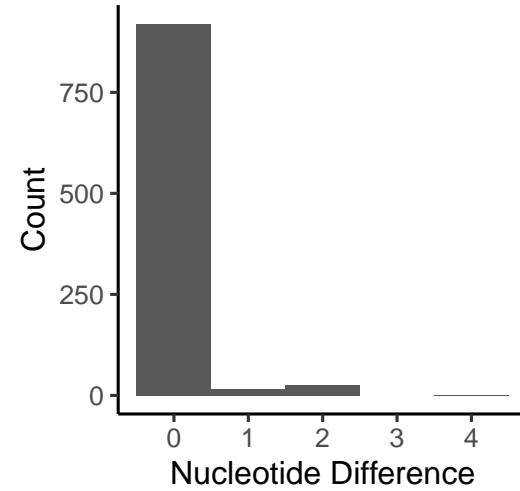
TRBV10-2*ap01

1097 sequences assigned
1084 (98.8%) exact matches, in which:
1054 unique CDR3
13 unique J



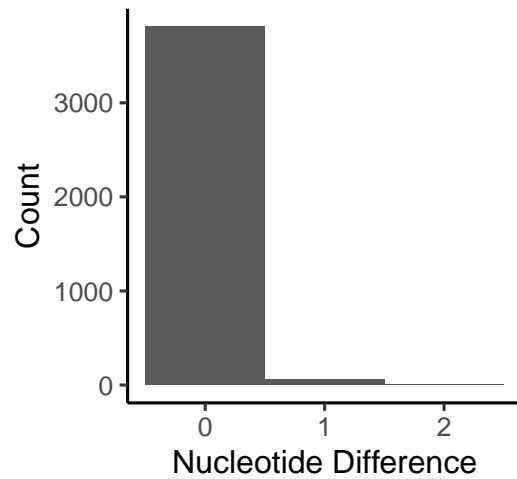
TRBV13*ap01

963 sequences assigned
920 (95.5%) exact matches, in which:
899 unique CDR3
13 unique J



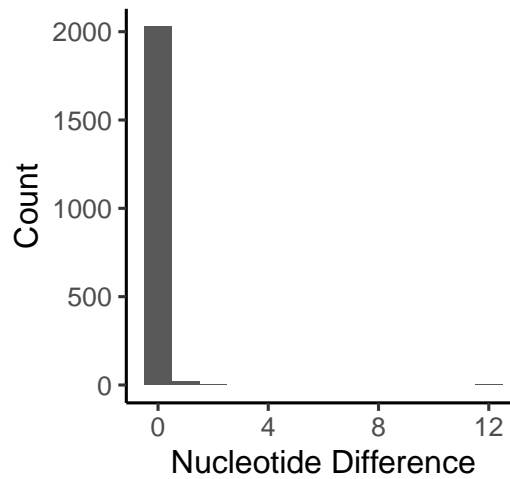
TRBV20-1*ap01

3870 sequences assigned
3809 (98.4%) exact matches, in which:
3731 unique CDR3
13 unique J



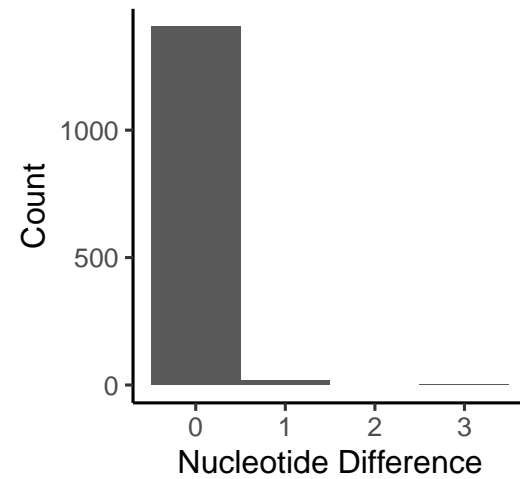
TRBV10-3*ap01

2052 sequences assigned
2028 (98.8%) exact matches, in which:
1979 unique CDR3
13 unique J



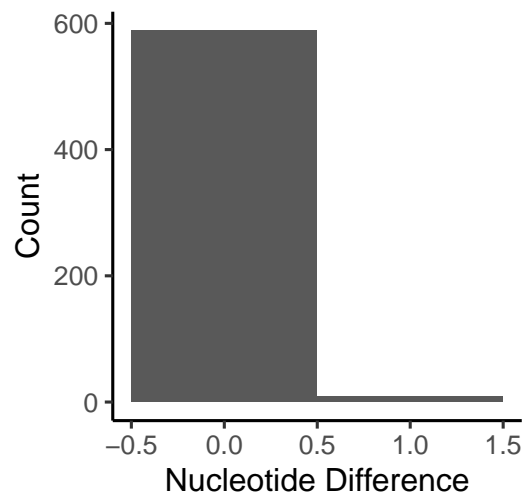
TRBV14*ap01

1423 sequences assigned
1406 (98.8%) exact matches, in which:
1362 unique CDR3
13 unique J



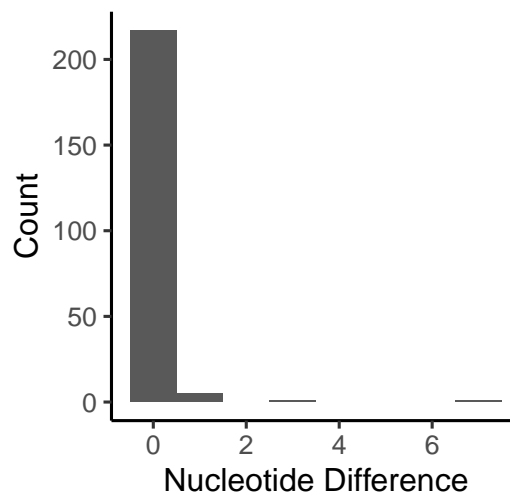
TRBV20-1*ap02

598 sequences assigned
589 (98.5%) exact matches, in which:
573 unique CDR3
13 unique J



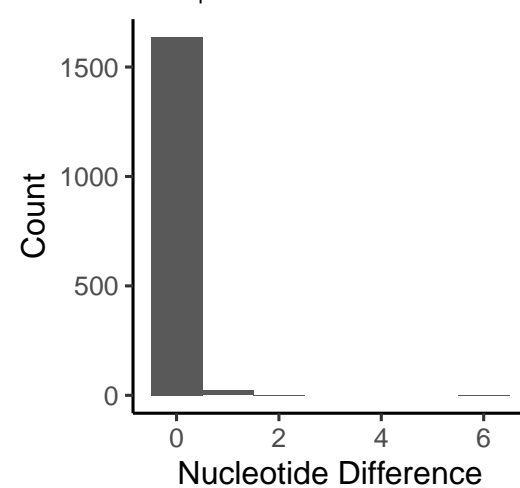
TRBV1*ap01

224 sequences assigned
217 (96.9%) exact matches, in which:
214 unique CDR3
13 unique J



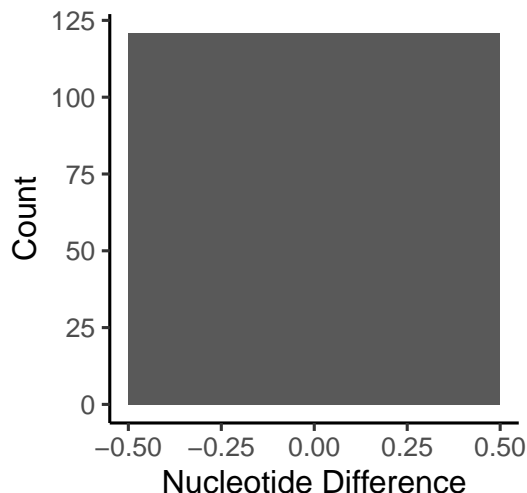
TRBV15*ap02

1661 sequences assigned
1637 (98.6%) exact matches, in which:
1594 unique CDR3
13 unique J



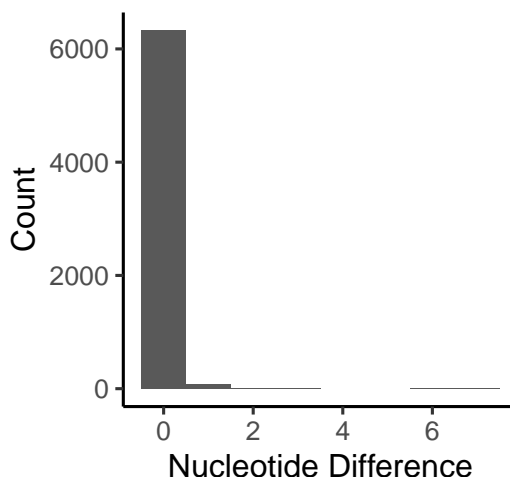
TRBV16*ap01

121 sequences assigned
121 (100%) exact matches, in which:
120 unique CDR3
13 unique J



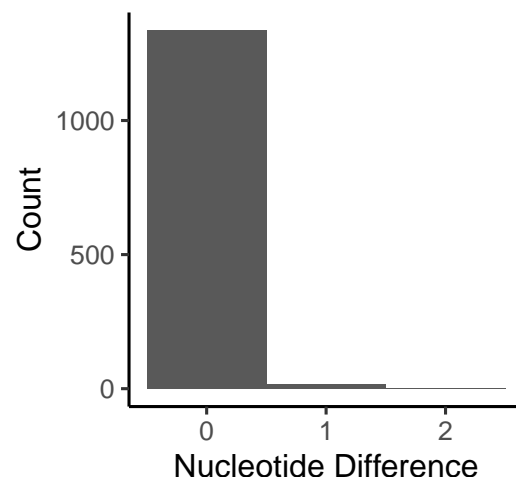
TRBV19*ap01

6413 sequences assigned
6327 (98.7%) exact matches, in which:
6211 unique CDR3
13 unique J



TRBV28*ap01

1353 sequences assigned
1336 (98.7%) exact matches, in which:
1297 unique CDR3
13 unique J



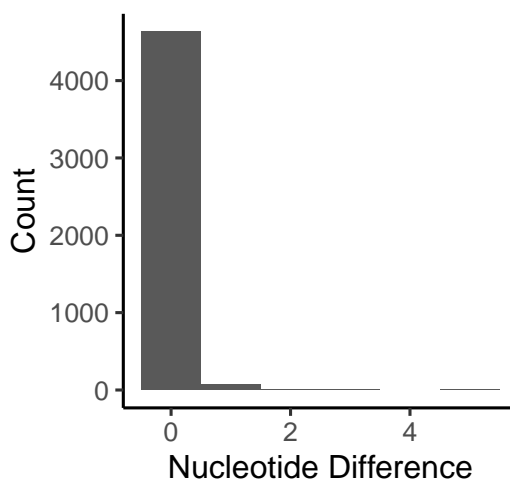
TRBV17*ap01

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



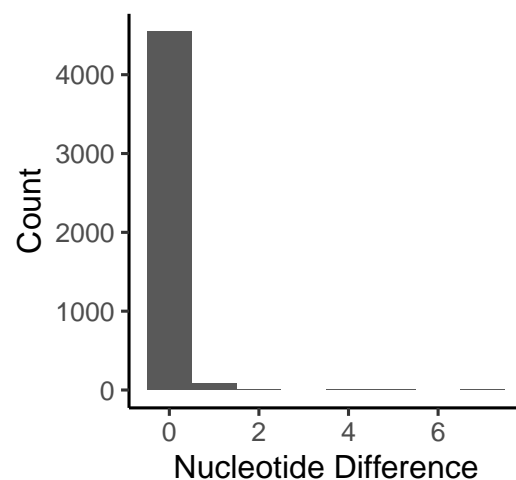
TRBV2*ap01

4716 sequences assigned
4632 (98.2%) exact matches, in which:
4565 unique CDR3
13 unique J



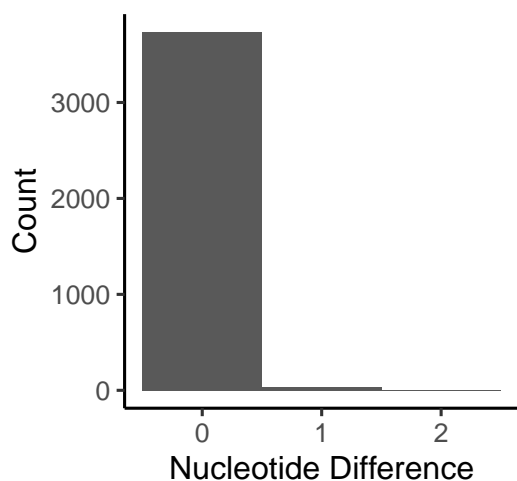
TRBV30*ap01

4640 sequences assigned
4545 (98%) exact matches, in which:
4499 unique CDR3
13 unique J



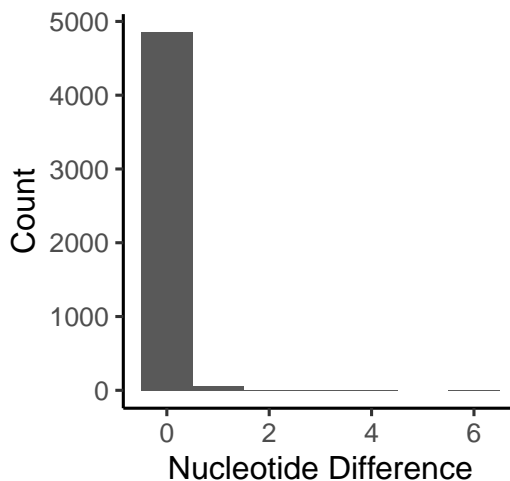
TRBV18*ap01

3772 sequences assigned
3734 (99%) exact matches, in which:
3634 unique CDR3
13 unique J



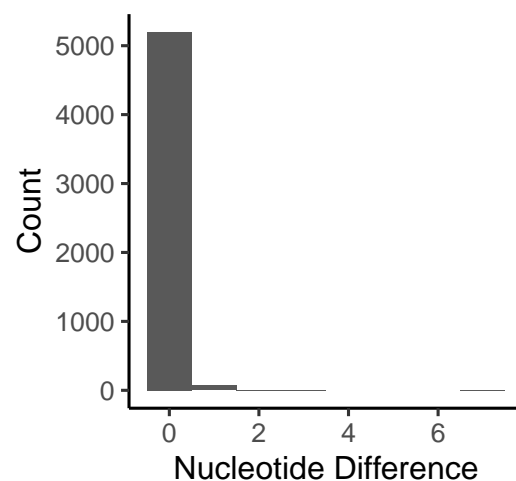
TRBV27*ap01

4924 sequences assigned
4856 (98.6%) exact matches, in which:
4744 unique CDR3
13 unique J



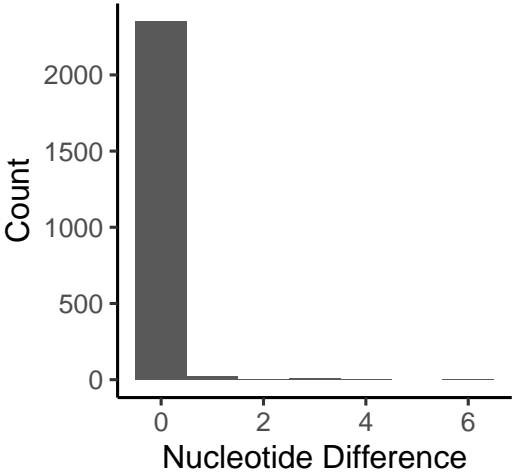
TRBV9*ap01

5281 sequences assigned
5198 (98.4%) exact matches, in which:
5074 unique CDR3
13 unique J



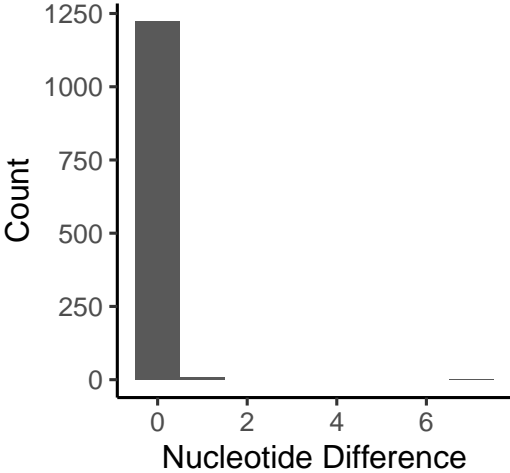
TRBV21-1*ap01

2389 sequences assigned
2351 (98.4%) exact matches, in which:
2294 unique CDR3
13 unique J



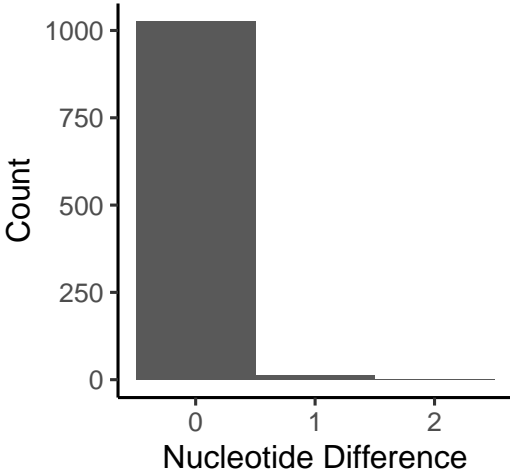
TRBV11-3*ap01

1232 sequences assigned
1223 (99.3%) exact matches, in which:
1200 unique CDR3
13 unique J



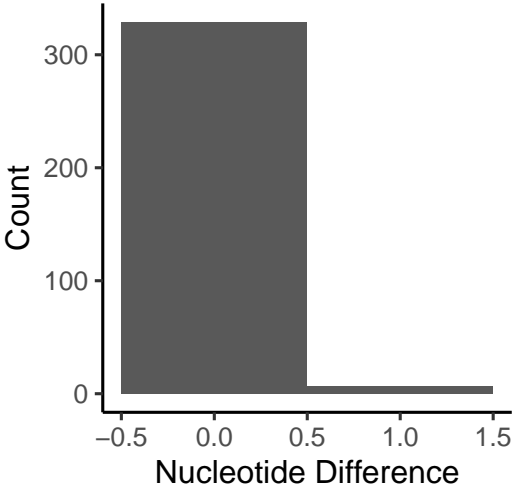
TRBV12-5*ap01

1041 sequences assigned
1026 (98.6%) exact matches, in which:
1010 unique CDR3
13 unique J



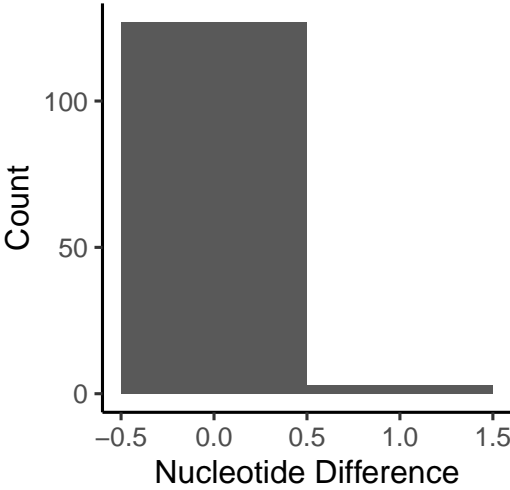
TRBV11-1*ap01

336 sequences assigned
329 (97.9%) exact matches, in which:
325 unique CDR3
13 unique J



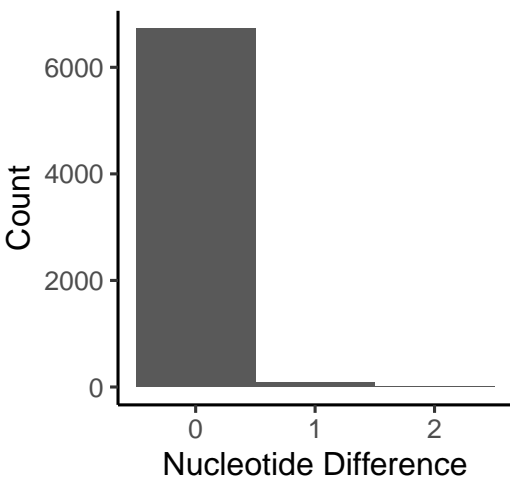
TRBV12-1*ap01

130 sequences assigned
127 (97.7%) exact matches, in which:
124 unique CDR3
13 unique J



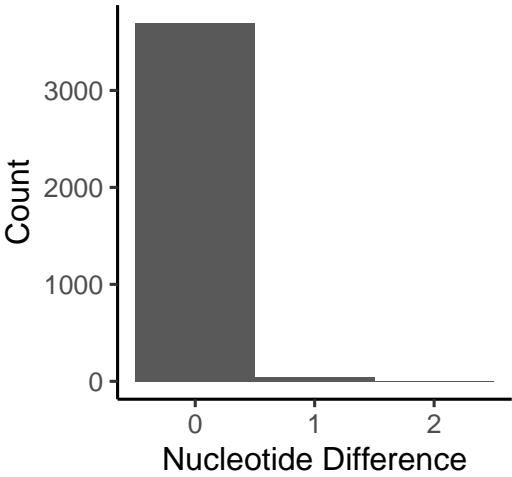
TRBV12-34*ap01

6812 sequences assigned
6724 (98.7%) exact matches, in which:
6584 unique CDR3
13 unique J



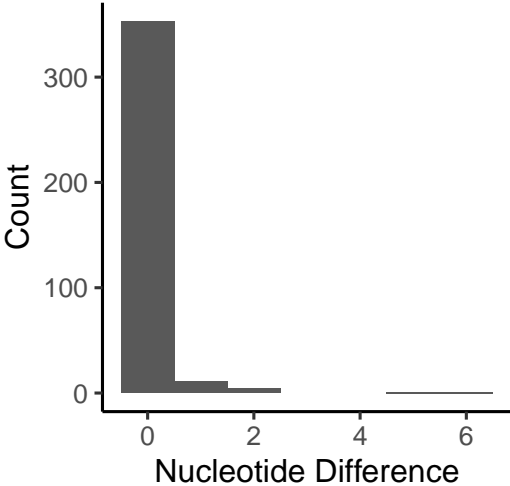
TRBV11-2*ap01

3741 sequences assigned
3695 (98.8%) exact matches, in which:
3594 unique CDR3
13 unique J



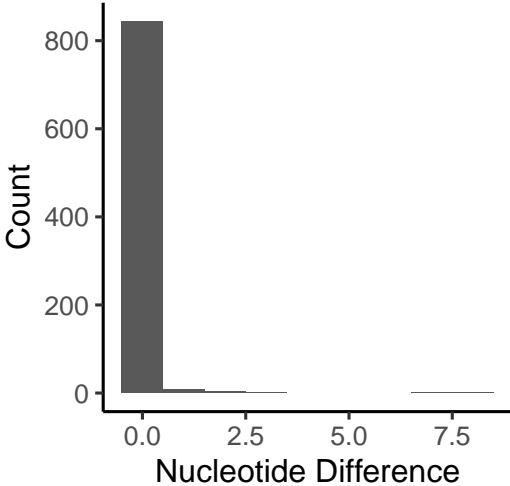
TRBV12-2*ap01

370 sequences assigned
353 (95.4%) exact matches, in which:
345 unique CDR3
13 unique J



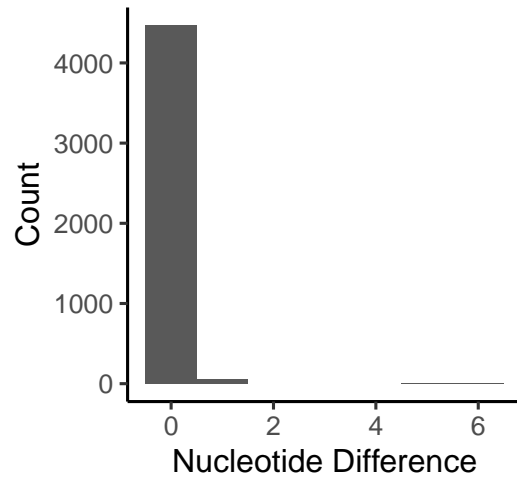
TRBV23-1*ap01

858 sequences assigned
844 (98.4%) exact matches, in which:
829 unique CDR3
13 unique J



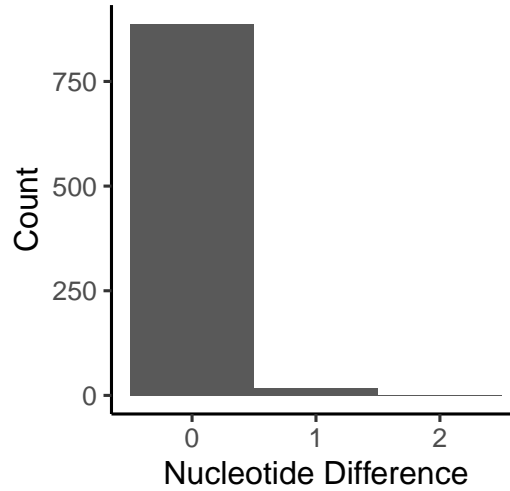
TRBV3-12*ap01

4528 sequences assigned
4468 (98.7%) exact matches, in which:
4384 unique CDR3
13 unique J



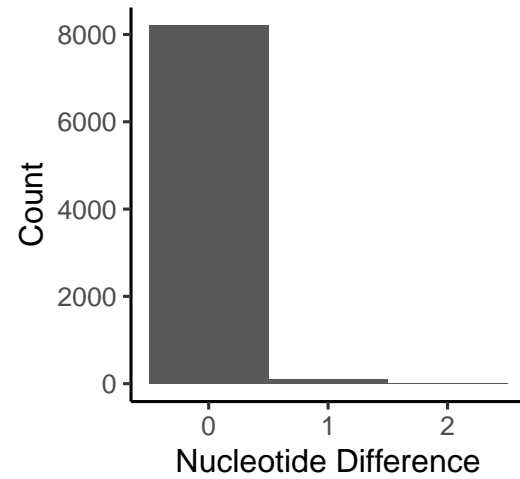
TRBV4-2*ap01

906 sequences assigned
888 (98%) exact matches, in which:
864 unique CDR3
13 unique J



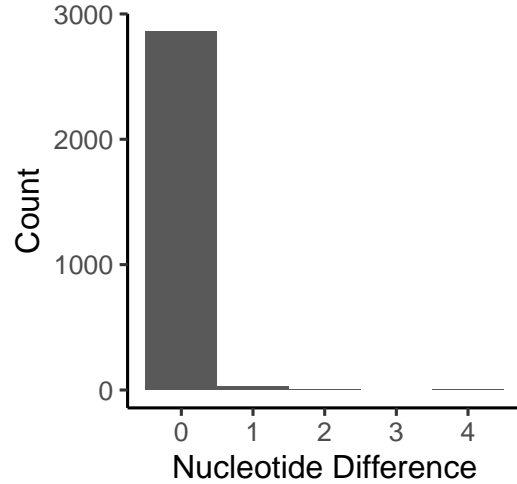
TRBV5-1*ap01

8313 sequences assigned
8208 (98.7%) exact matches, in which:
8011 unique CDR3
13 unique J



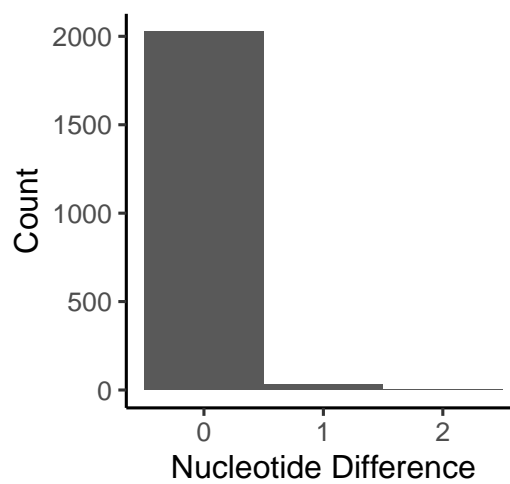
TRBV4-1*ap01

2887 sequences assigned
2858 (99%) exact matches, in which:
2795 unique CDR3
13 unique J



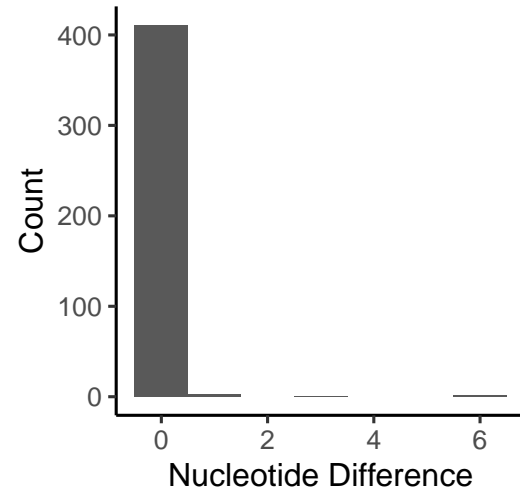
TRBV4-3*ap01

2062 sequences assigned
2026 (98.3%) exact matches, in which:
1998 unique CDR3
13 unique J



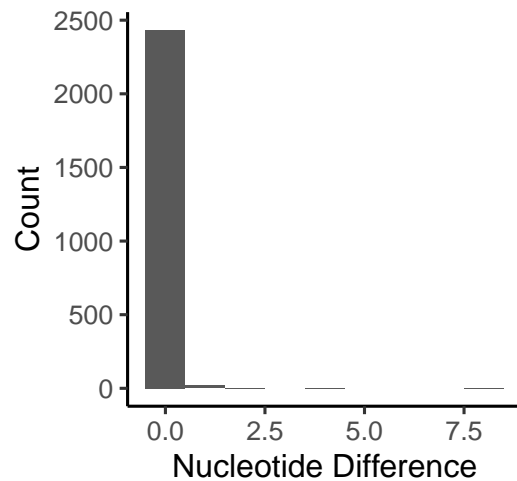
TRBV5-3*ap01

417 sequences assigned
411 (98.6%) exact matches, in which:
403 unique CDR3
13 unique J



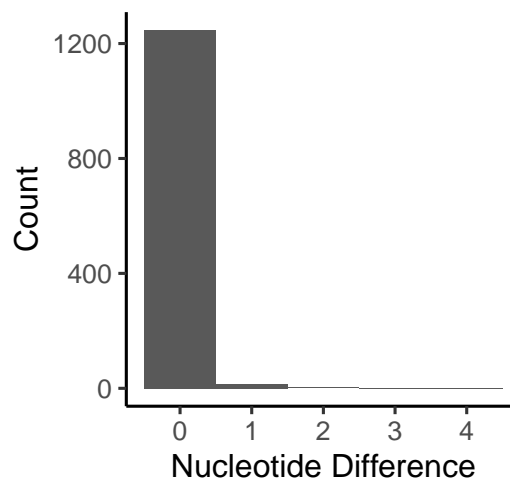
TRBV24-1*ap01

2457 sequences assigned
2433 (99%) exact matches, in which:
2406 unique CDR3
13 unique J



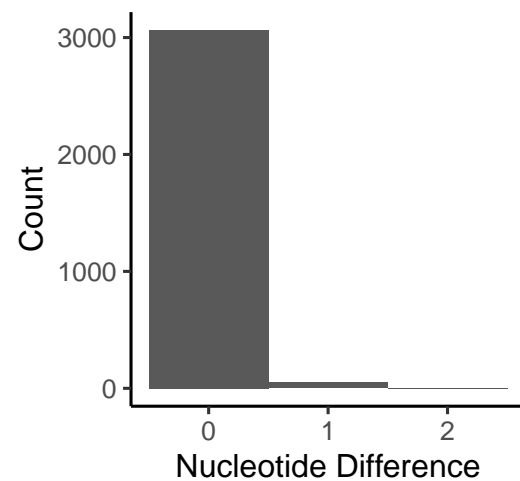
TRBV25-1*ap01

1267 sequences assigned
1247 (98.4%) exact matches, in which:
1228 unique CDR3
13 unique J



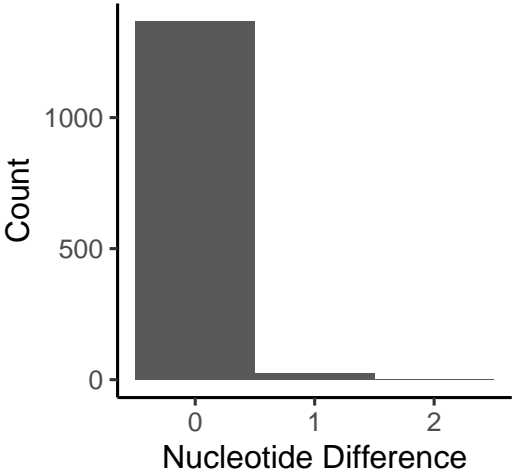
TRBV5-4*ap01

3117 sequences assigned
3064 (98.3%) exact matches, in which:
2978 unique CDR3
13 unique J



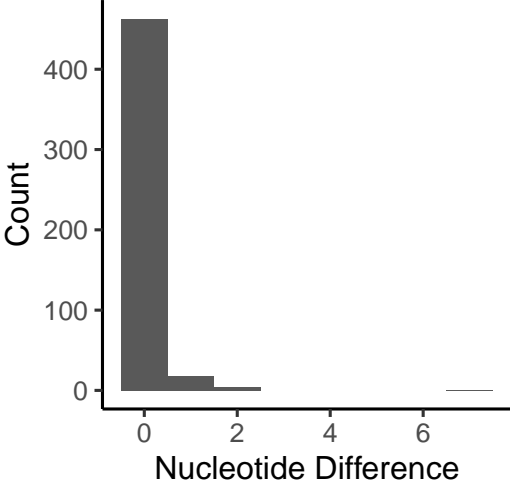
TRBV5-5*ap01

1393 sequences assigned
1367 (98.1%) exact matches, in which:
1347 unique CDR3
13 unique J



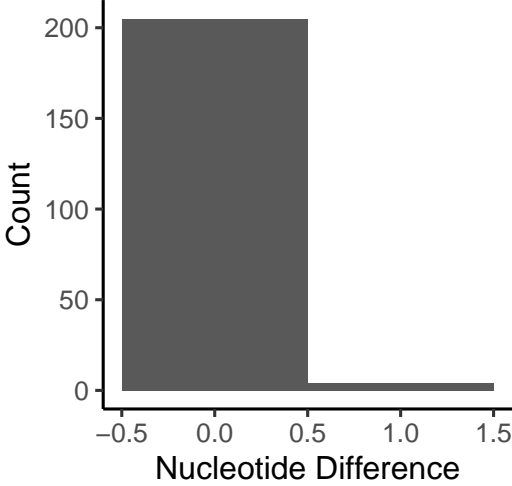
TRBV5-8*ap01

486 sequences assigned
463 (95.3%) exact matches, in which:
460 unique CDR3
13 unique J



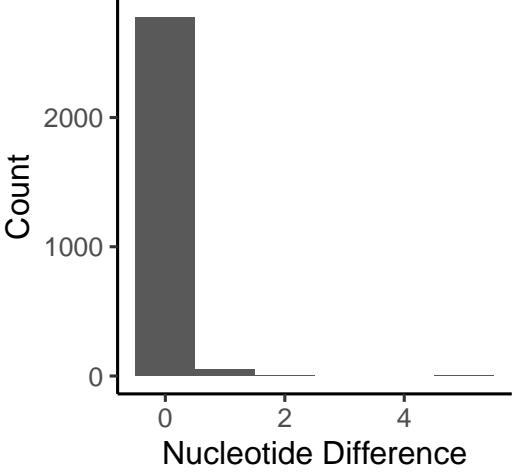
TRBV6-7*ap01

209 sequences assigned
205 (98.1%) exact matches, in which:
198 unique CDR3
13 unique J



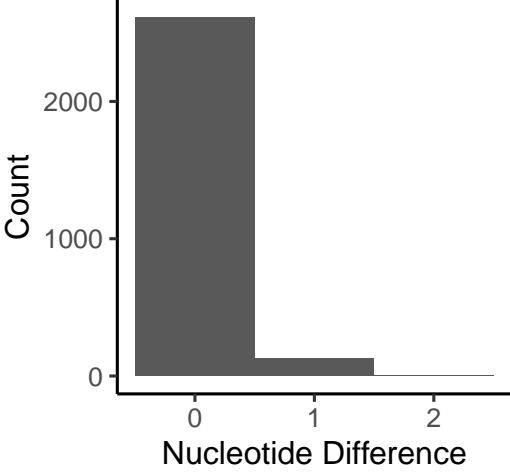
TRBV5-6*ap01

2822 sequences assigned
2772 (98.2%) exact matches, in which:
2702 unique CDR3
13 unique J



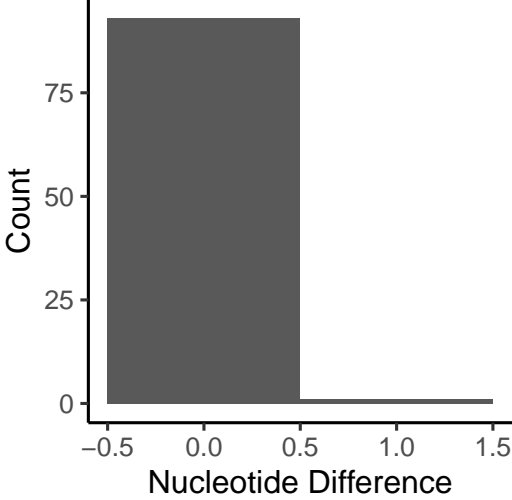
TRBV6-1*ap01

2740 sequences assigned
2610 (95.3%) exact matches, in which:
2553 unique CDR3
13 unique J



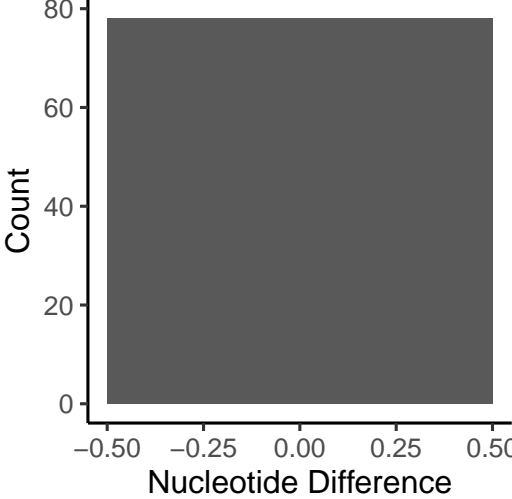
TRBV6-8*ap01

94 sequences assigned
93 (98.9%) exact matches, in which:
93 unique CDR3
13 unique J



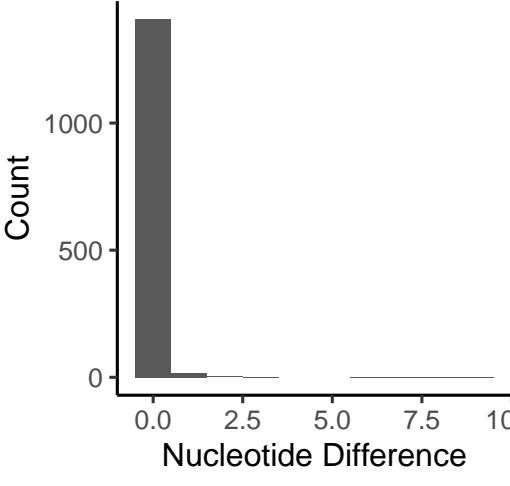
TRBV5-7*ap01

78 sequences assigned
78 (100%) exact matches, in which:
75 unique CDR3
13 unique J



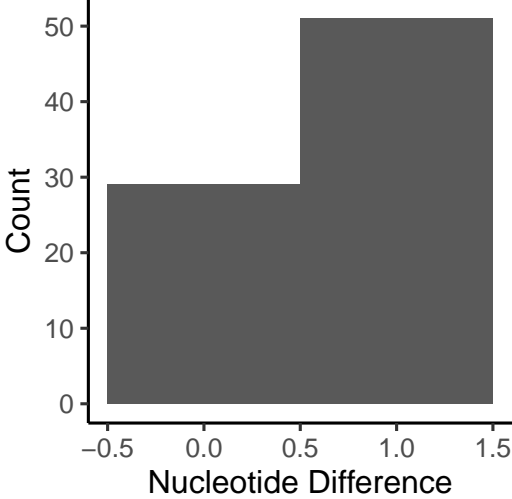
TRBV6-4*ap01

1435 sequences assigned
1409 (98.2%) exact matches, in which:
1373 unique CDR3
13 unique J



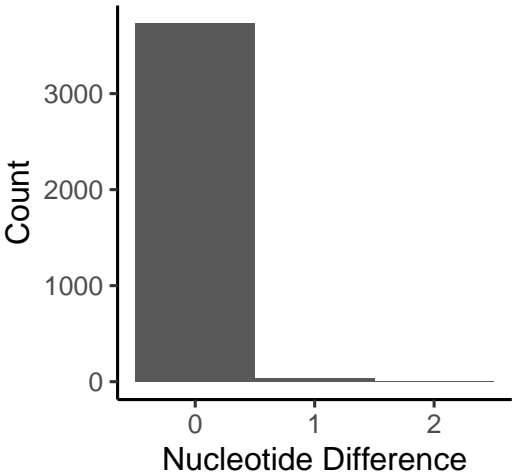
TRBV6-9*ap01

80 sequences assigned
29 (36.2%) exact matches, in which:
29 unique CDR3
11 unique J



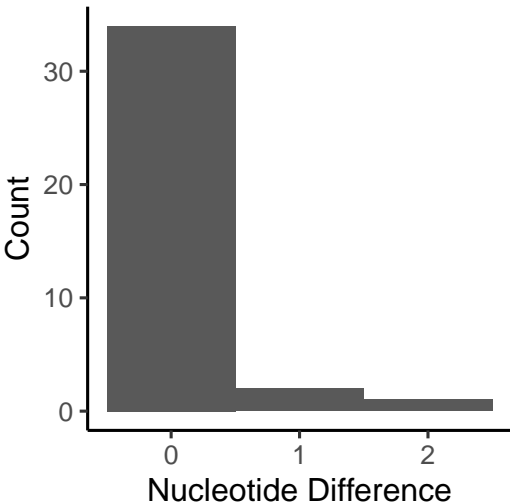
TRBV6-23*ap01

3768 sequences assigned
3731 (99%) exact matches, in which:
3663 unique CDR3
13 unique J



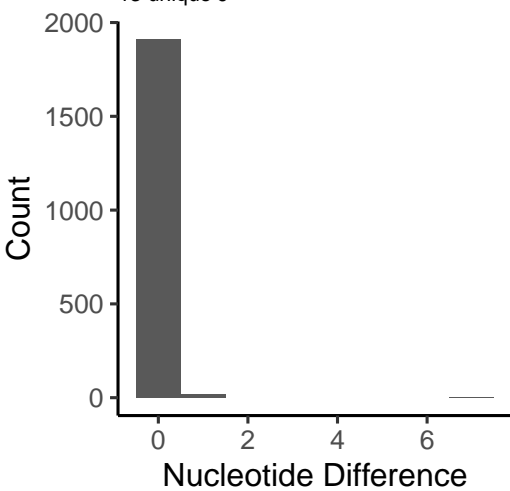
TRBV7-1*ap01_G291C_T

37 sequences assigned
34 (91.9%) exact matches, in which:
33 unique CDR3
12 unique J



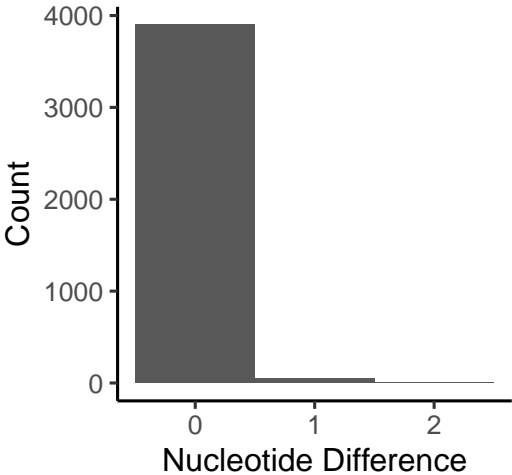
TRBV7-3*ap01

1931 sequences assigned
1910 (98.9%) exact matches, in which:
1861 unique CDR3
13 unique J



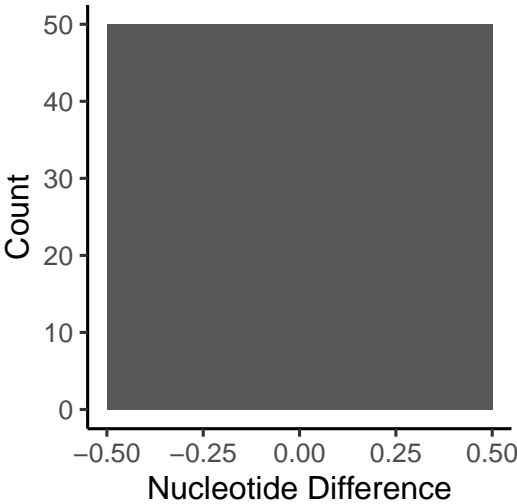
TRBV6-56*ap01

3956 sequences assigned
3900 (98.6%) exact matches, in which:
3819 unique CDR3
13 unique J



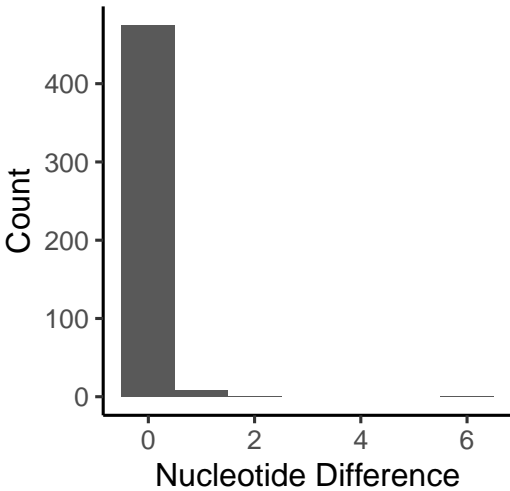
TRBV7-1*ap01_G291C_T

50 sequences assigned
50 (100%) exact matches, in which:
48 unique CDR3
11 unique J



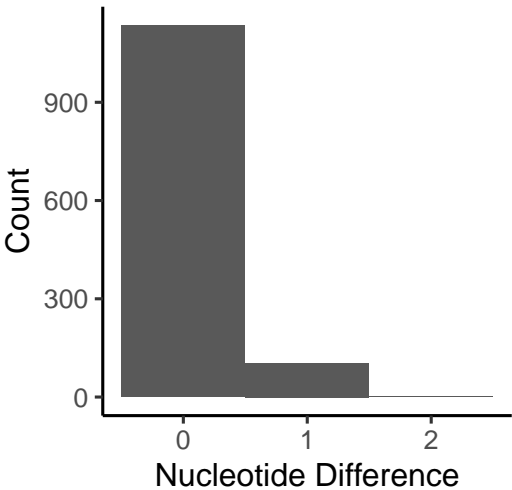
TRBV7-3*ap02

485 sequences assigned
475 (97.9%) exact matches, in which:
469 unique CDR3
13 unique J



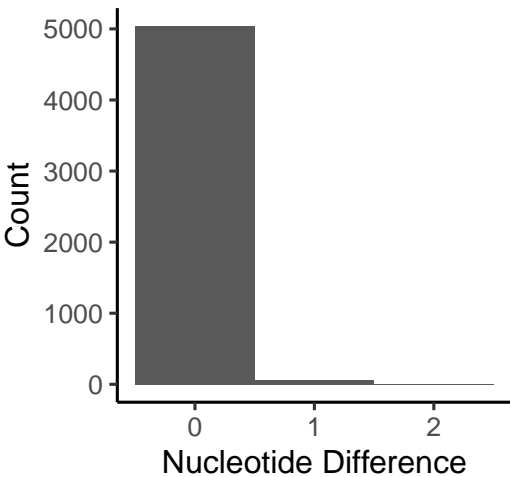
TRBV6-56*ap02

1241 sequences assigned
1135 (91.5%) exact matches, in which:
1112 unique CDR3
13 unique J



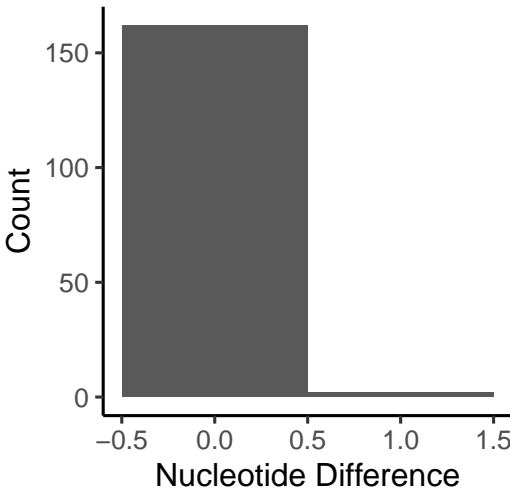
TRBV7-2*ap01

5107 sequences assigned
5040 (98.7%) exact matches, in which:
4932 unique CDR3
13 unique J



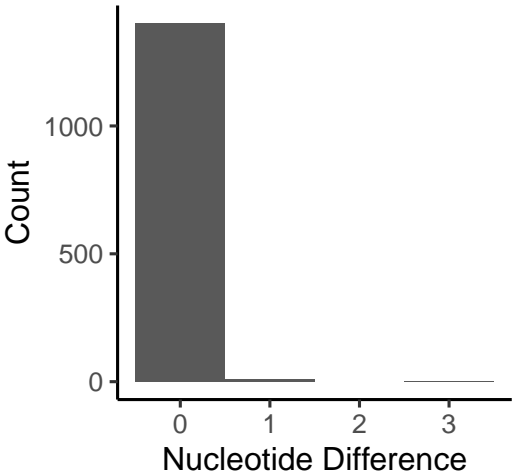
TRBV7-4*ap01

164 sequences assigned
162 (98.8%) exact matches, in which:
158 unique CDR3
13 unique J



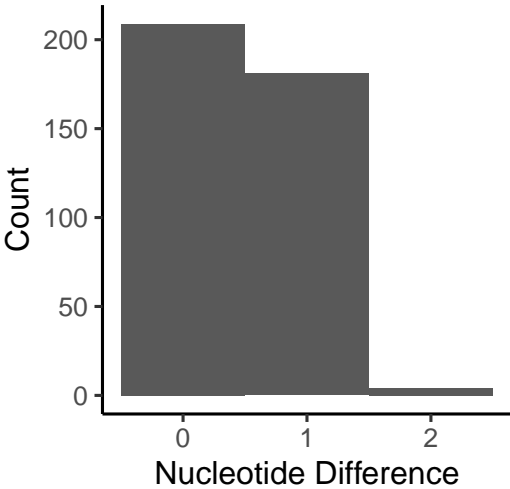
TRBV7-6*ap01

1413 sequences assigned
1401 (99.2%) exact matches, in which:
1359 unique CDR3
13 unique J



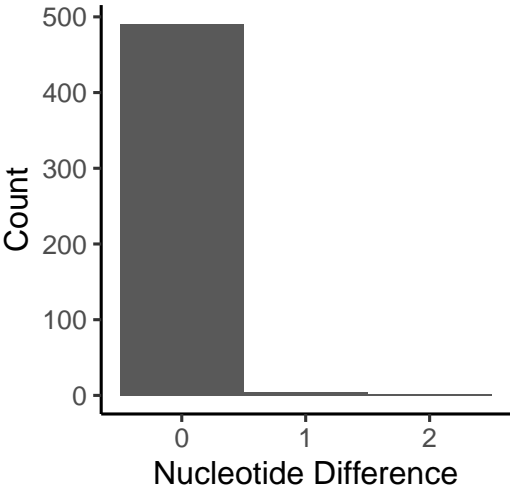
TRBV7-8*ap03

394 sequences assigned
209 (53%) exact matches, in which:
203 unique CDR3
13 unique J



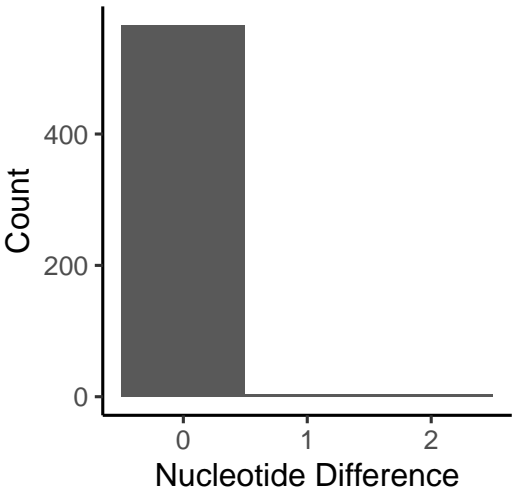
TRBV29-1*ap02

498 sequences assigned
491 (98.6%) exact matches, in which:
482 unique CDR3
13 unique J



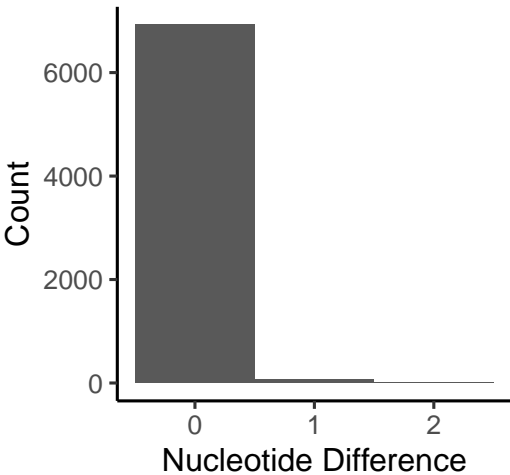
TRBV7-7*ap01

574 sequences assigned
566 (98.6%) exact matches, in which:
554 unique CDR3
13 unique J



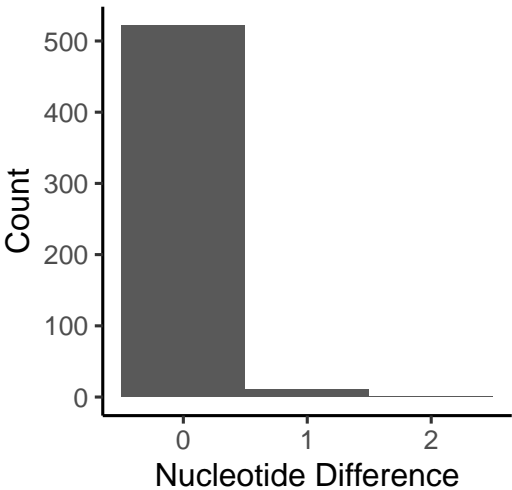
TRBV7-9*ap01

7001 sequences assigned
6925 (98.9%) exact matches, in which:
6783 unique CDR3
13 unique J



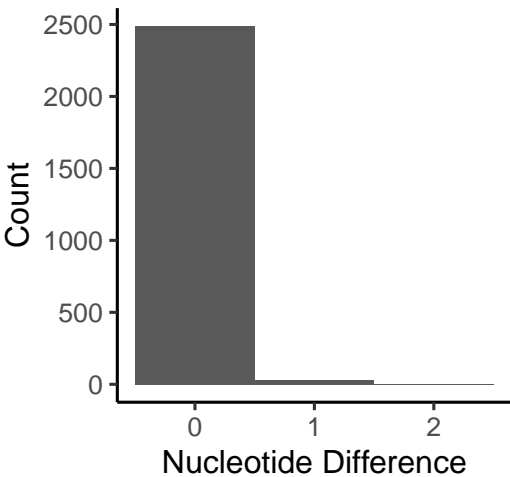
TRBV7-8*ap01

533 sequences assigned
522 (97.9%) exact matches, in which:
513 unique CDR3
13 unique J

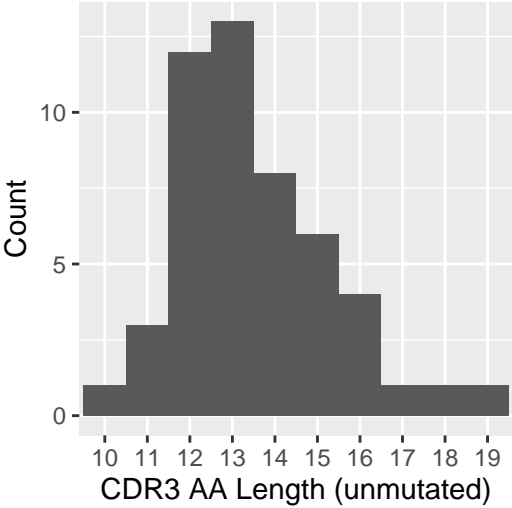


TRBV29-1*ap01

2522 sequences assigned
2489 (98.7%) exact matches, in which:
2447 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

