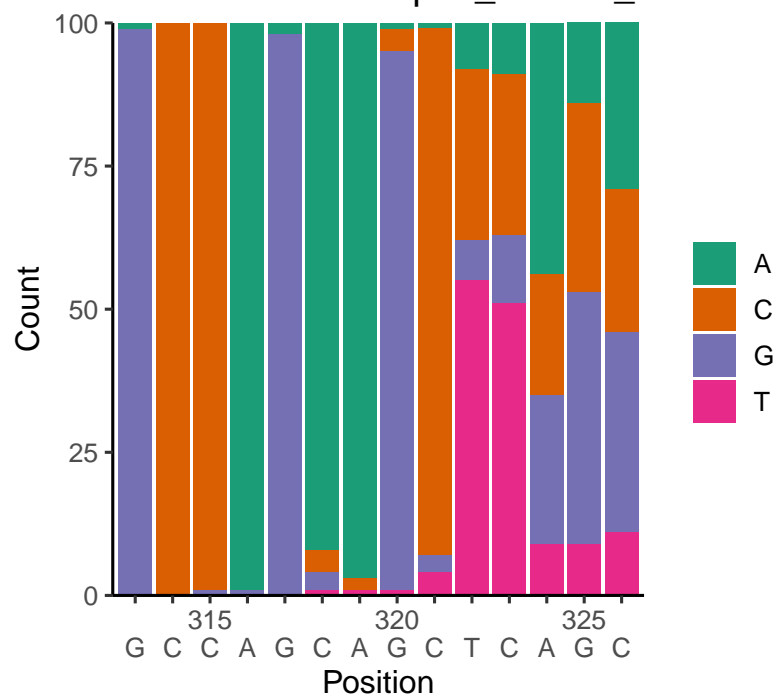
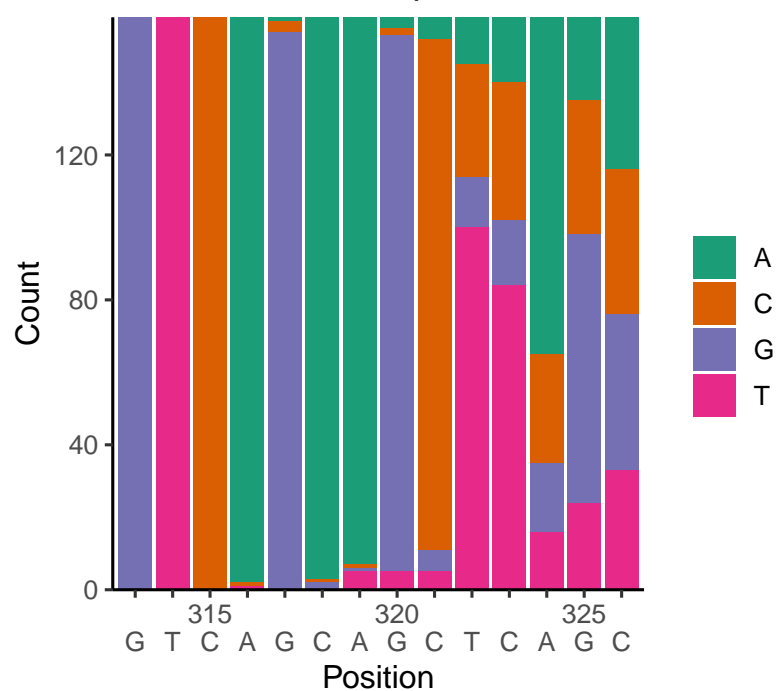


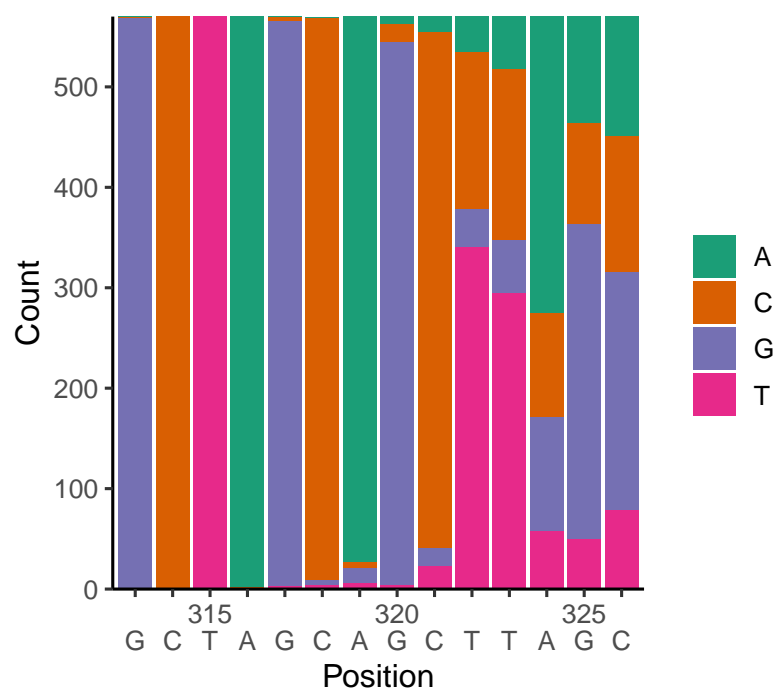
Gene TRBV7-1*ap01_G291C_T296C



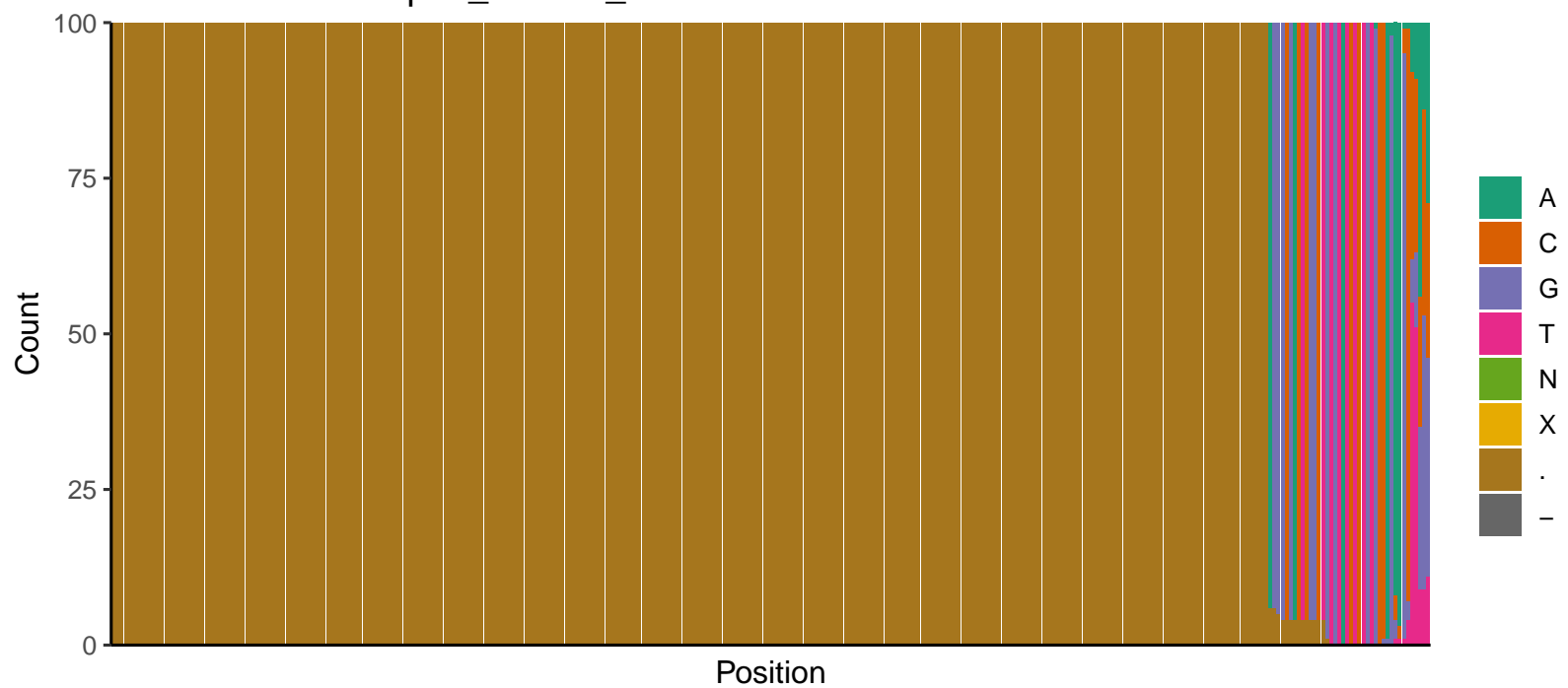
Gene TRBV7-1*ap01_G291C_T296C_C314T



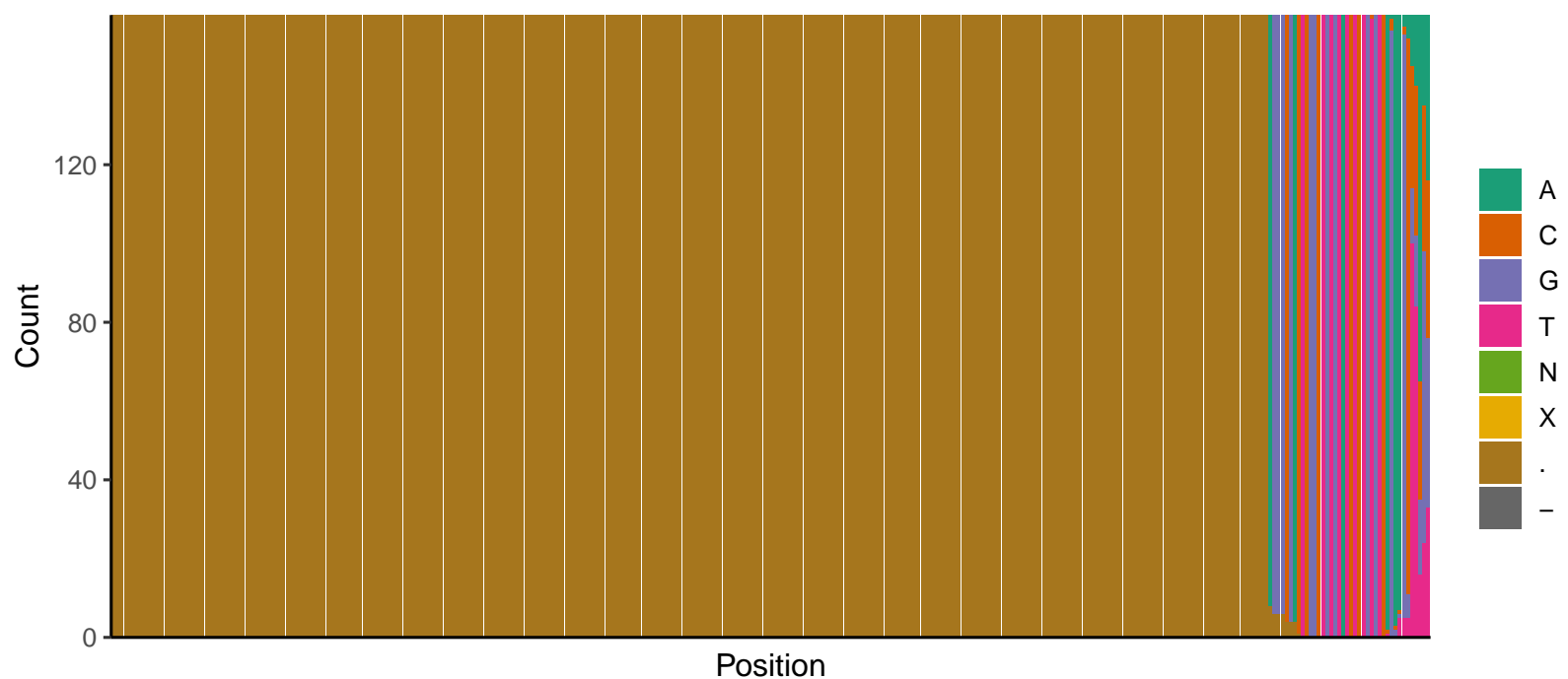
Gene TRBV7-7*ap01_C315T



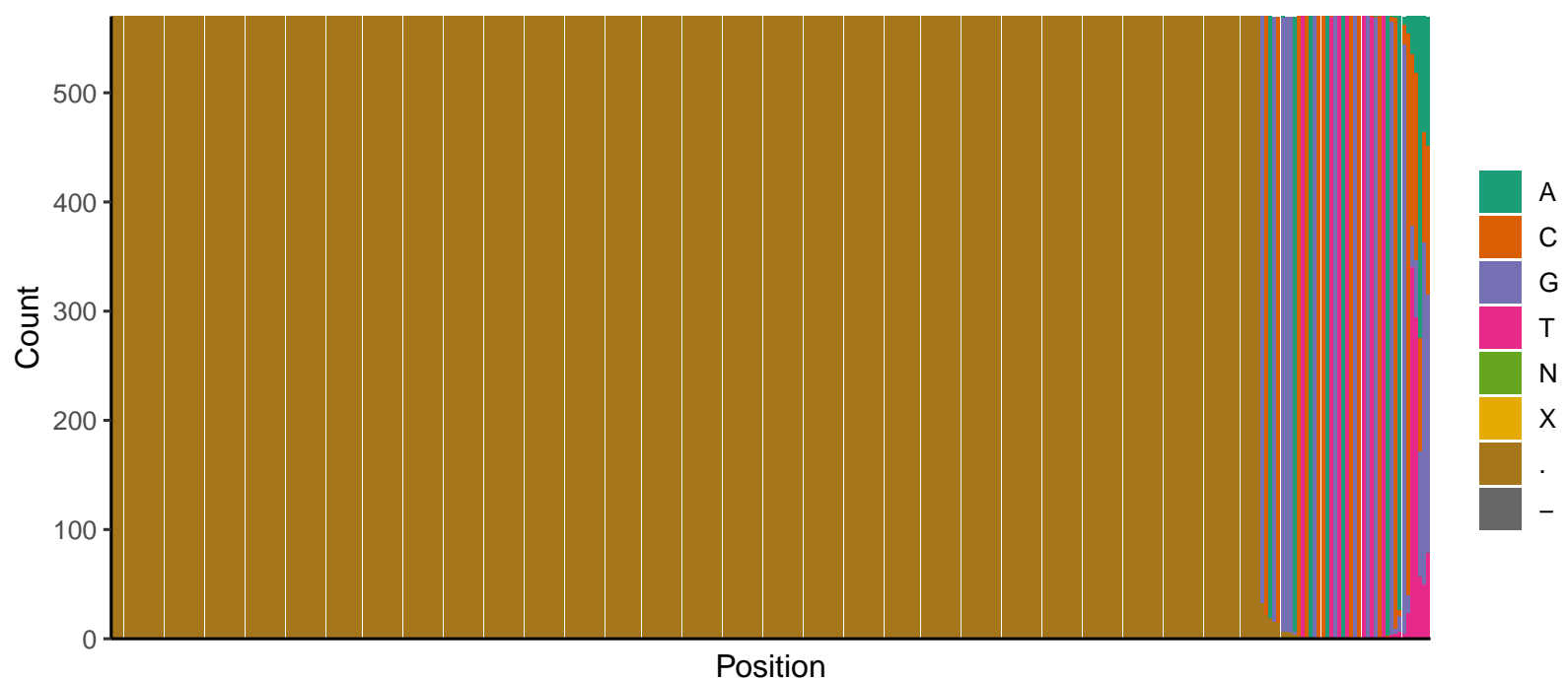
Gene TRBV7-1*ap01_G291C_T296C



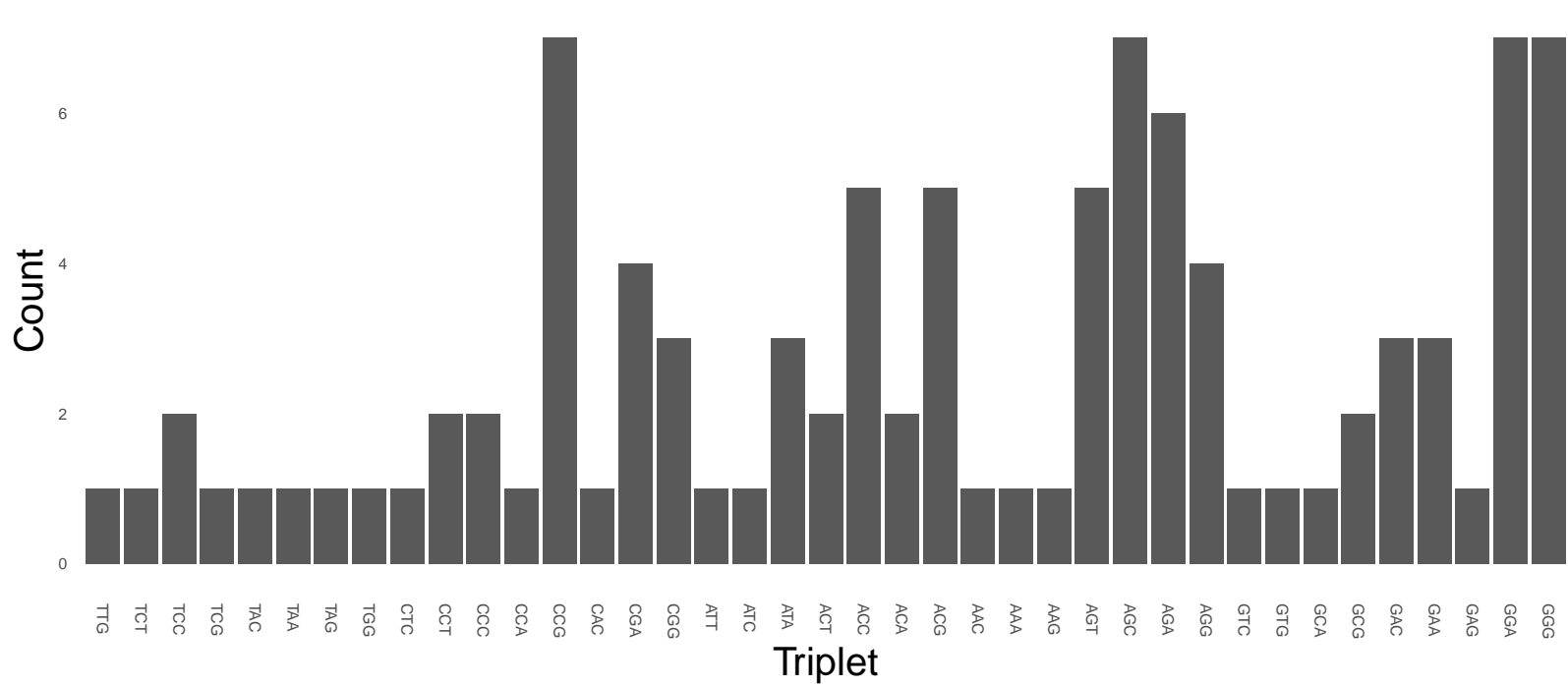
Gene TRBV7-1*ap01_G291C_T296C_C314T



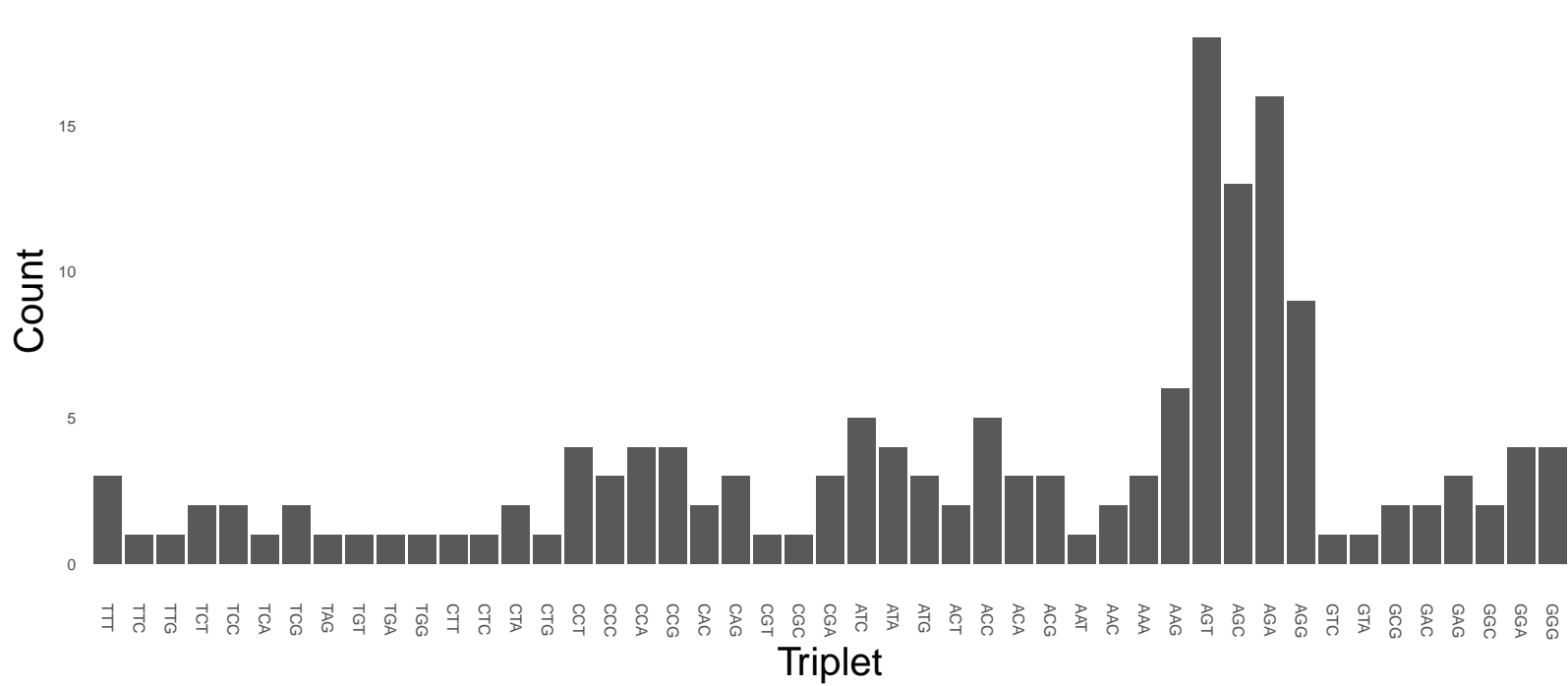
Gene TRBV7-7*ap01_C315T



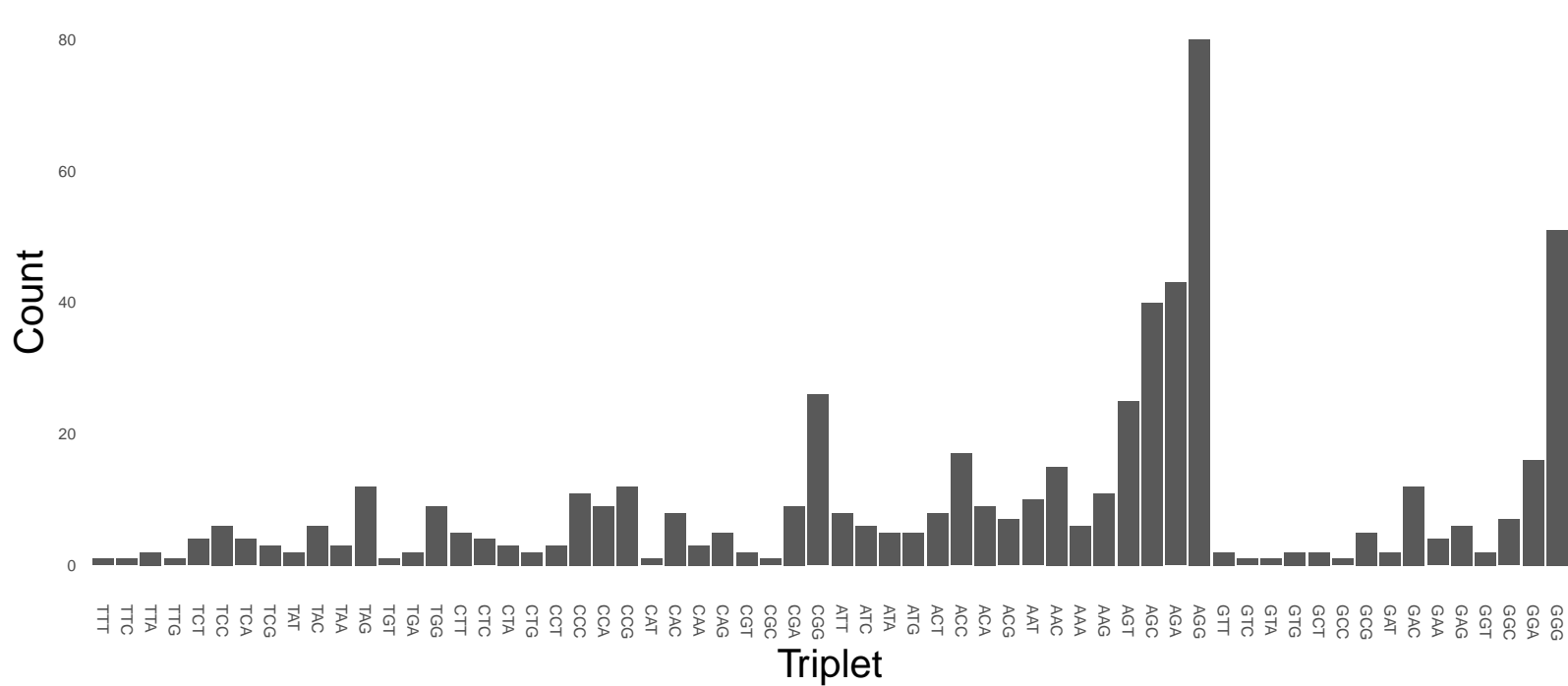
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

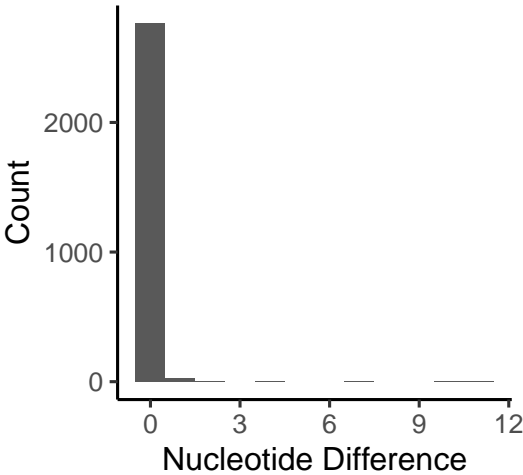


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



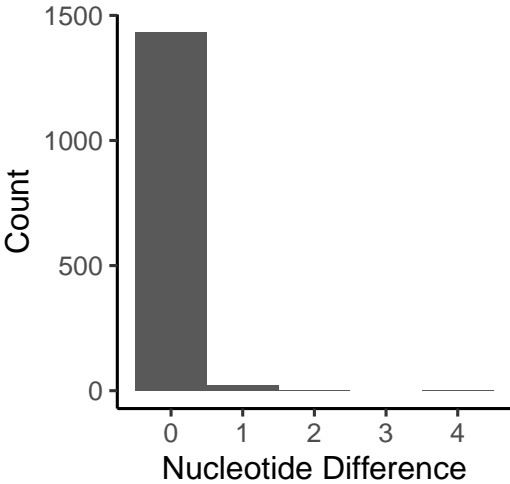
TRBV10-1*ap01

2796 sequences assigned
2764 (98.9%) exact matches, in which:
2691 unique CDR3
13 unique J



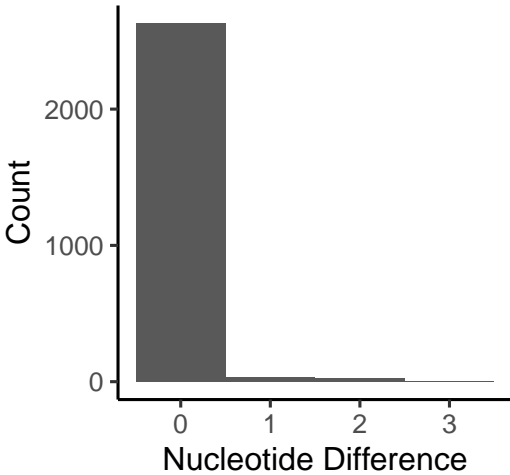
TRBV10-2*ap01

1456 sequences assigned
1432 (98.4%) exact matches, in which:
1386 unique CDR3
13 unique J



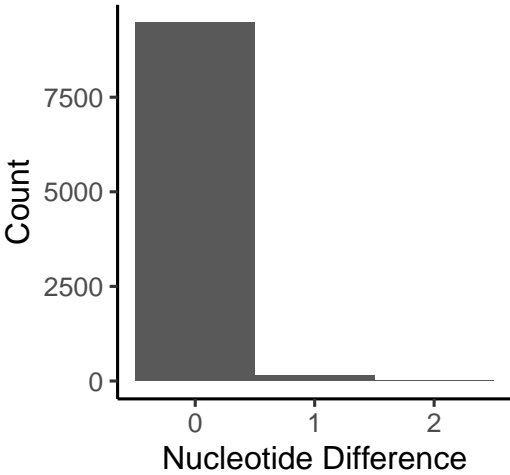
TRBV13*ap01

2688 sequences assigned
2629 (97.8%) exact matches, in which:
2549 unique CDR3
13 unique J



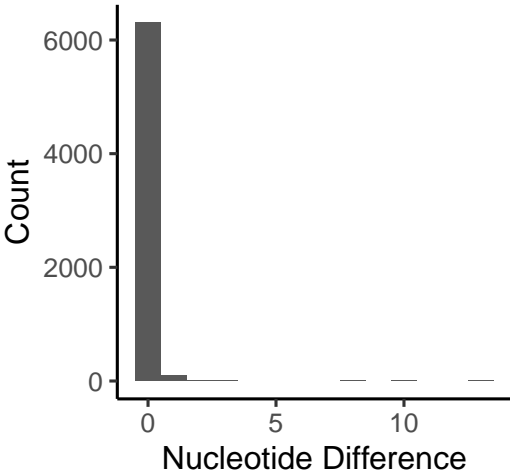
TRBV20-1*ap01

9605 sequences assigned
9468 (98.6%) exact matches, in which:
9280 unique CDR3
13 unique J



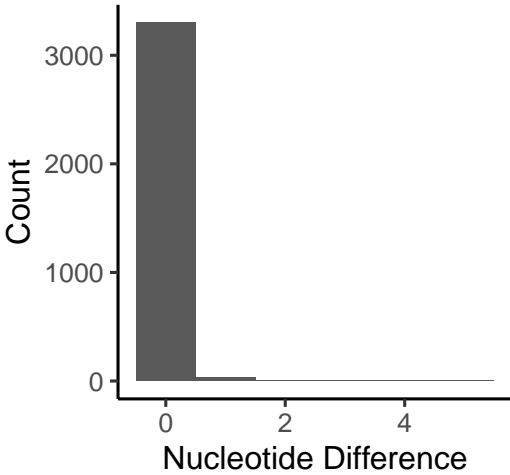
TRBV10-3*ap01

6408 sequences assigned
6304 (98.4%) exact matches, in which:
6160 unique CDR3
13 unique J



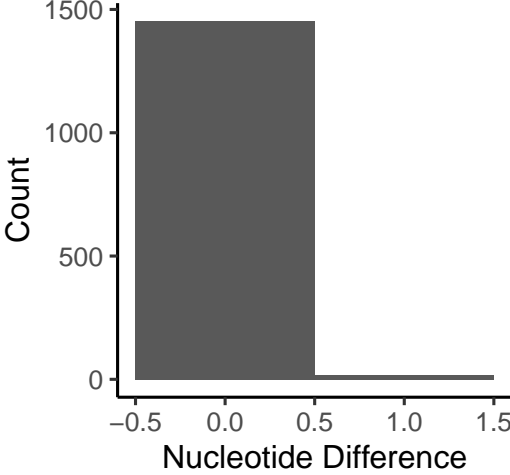
TRBV14*ap01

3337 sequences assigned
3300 (98.9%) exact matches, in which:
3256 unique CDR3
13 unique J



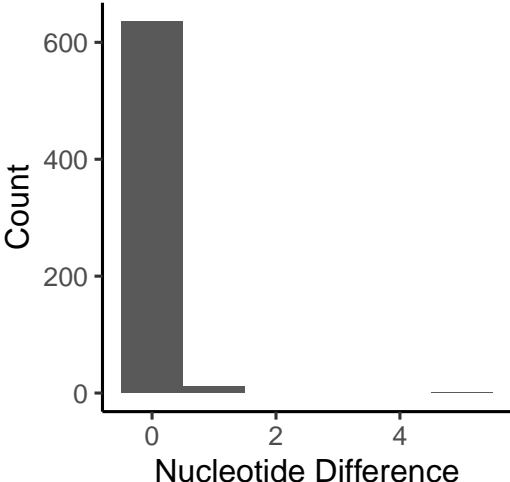
TRBV20-1*ap02

1471 sequences assigned
1453 (98.8%) exact matches, in which:
1417 unique CDR3
13 unique J



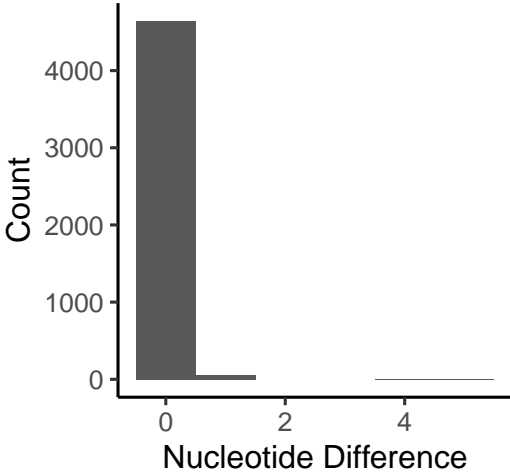
TRBV1*ap01

648 sequences assigned
636 (98.1%) exact matches, in which:
619 unique CDR3
13 unique J



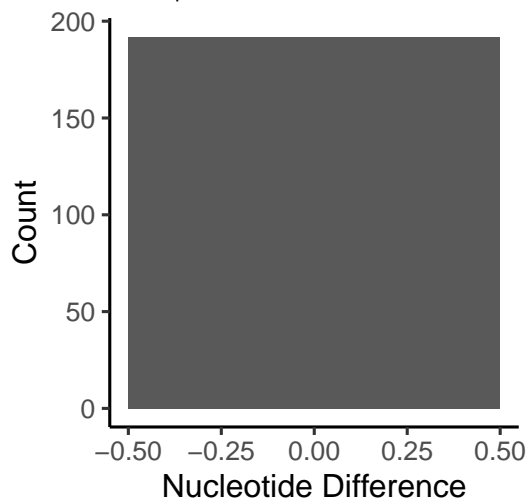
TRBV15*ap02

4698 sequences assigned
4642 (98.8%) exact matches, in which:
4533 unique CDR3
13 unique J



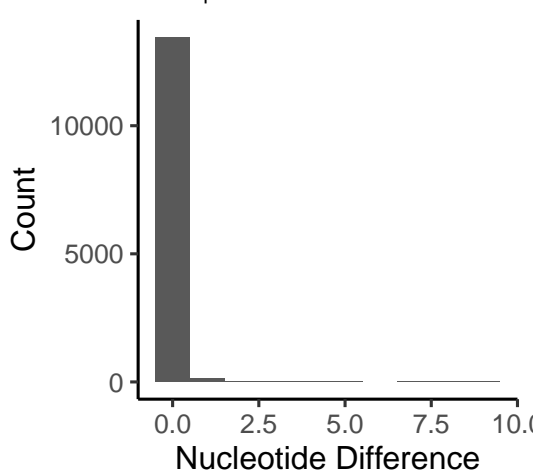
TRBV16*ap01

192 sequences assigned
192 (100%) exact matches, in which:
191 unique CDR3
13 unique J



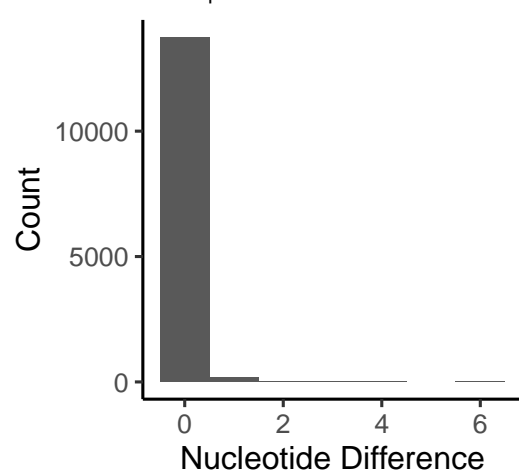
TRBV19*ap01

13622 sequences assigned
13457 (98.8%) exact matches, in which:
13326 unique CDR3
13 unique J



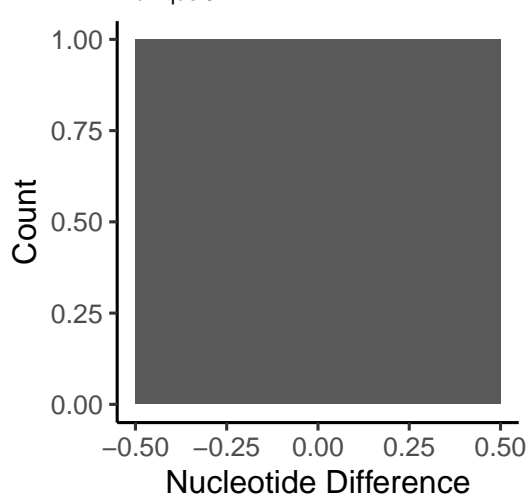
TRBV27*ap01

13957 sequences assigned
13749 (98.5%) exact matches, in which:
13389 unique CDR3
13 unique J



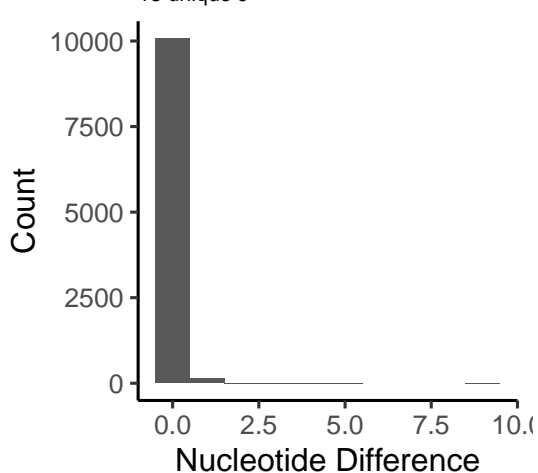
TRBV17*ap01

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



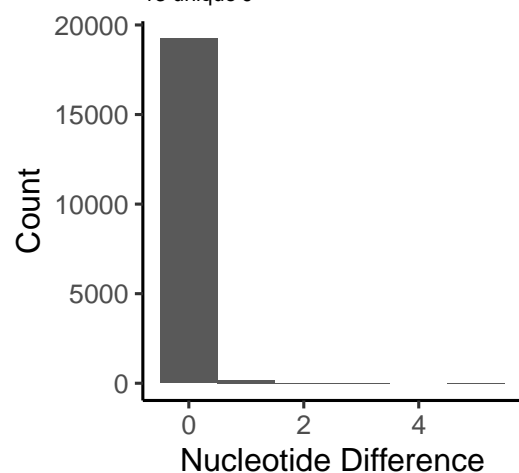
TRBV2*ap01

10226 sequences assigned
10074 (98.5%) exact matches, in which:
9808 unique CDR3
13 unique J



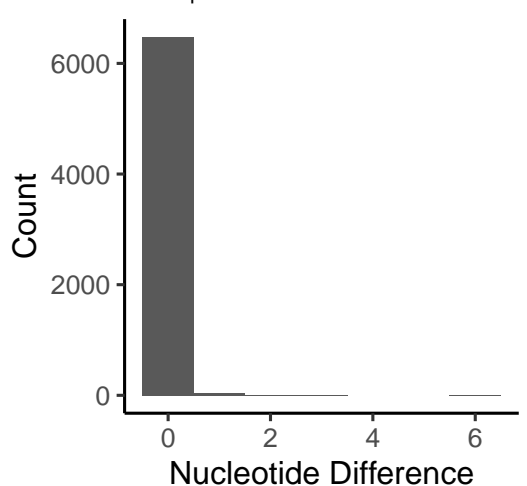
TRBV28*ap01

19424 sequences assigned
19246 (99.1%) exact matches, in which:
18922 unique CDR3
13 unique J



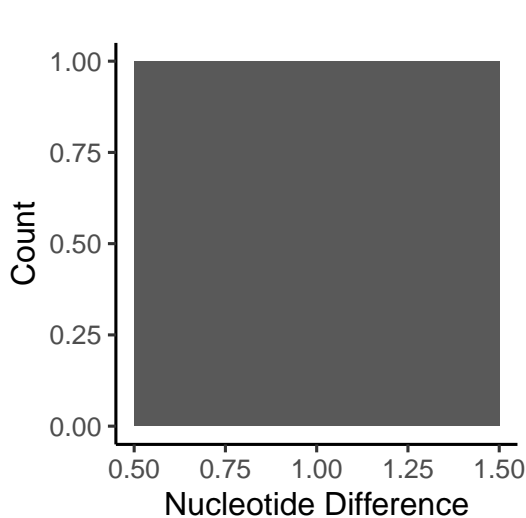
TRBV18*ap01

6519 sequences assigned
6476 (99.3%) exact matches, in which:
6429 unique CDR3
13 unique J



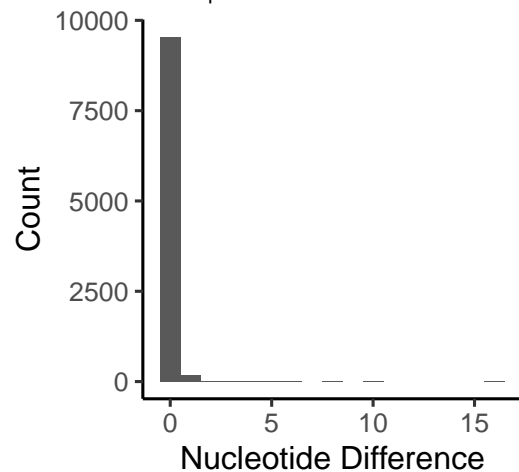
TRBV26*ap01

1 sequences assigned
No exact matches.



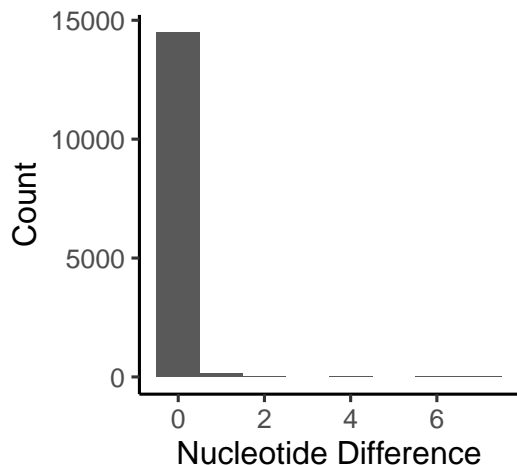
TRBV30*ap01

9737 sequences assigned
9545 (98%) exact matches, in which:
9338 unique CDR3
13 unique J



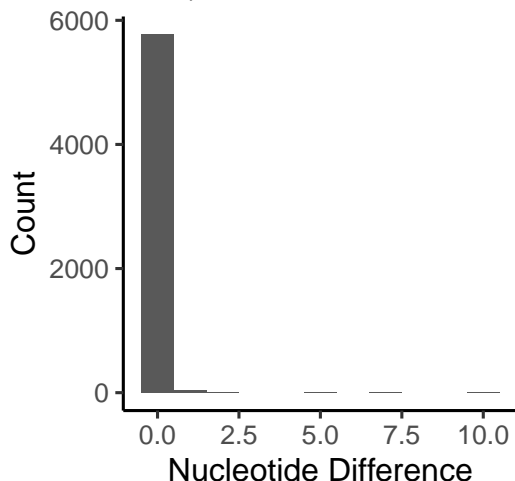
TRBV9*ap01

14671 sequences assigned
14500 (98.8%) exact matches, in which:
14246 unique CDR3
13 unique J



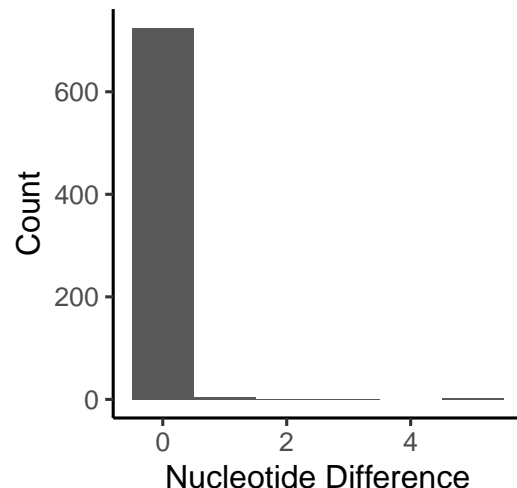
TRBV11-2*ap01

5824 sequences assigned
5773 (99.1%) exact matches, in which:
5701 unique CDR3
13 unique J



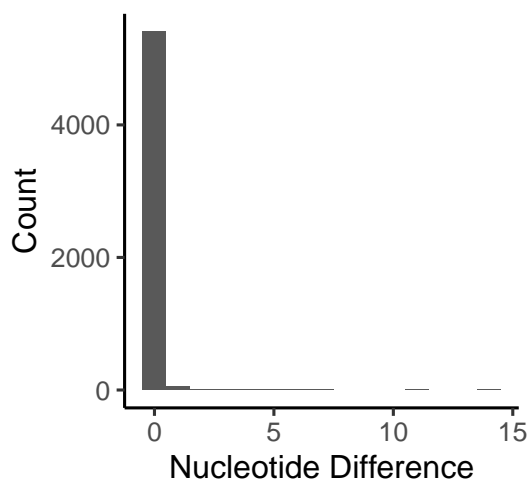
TRBV12-2*ap01

734 sequences assigned
725 (98.8%) exact matches, in which:
716 unique CDR3
13 unique J



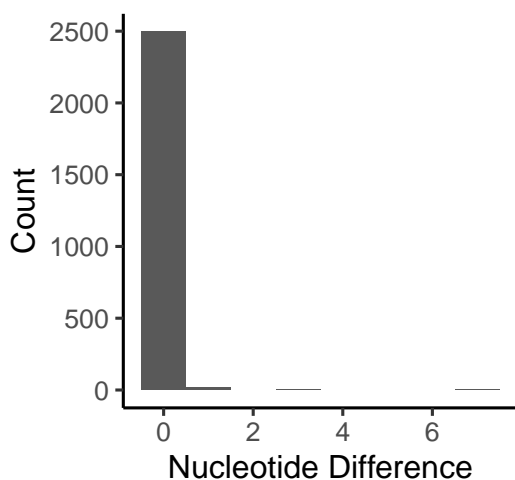
TRBV21-1*ap01

5483 sequences assigned
5406 (98.6%) exact matches, in which:
5341 unique CDR3
13 unique J



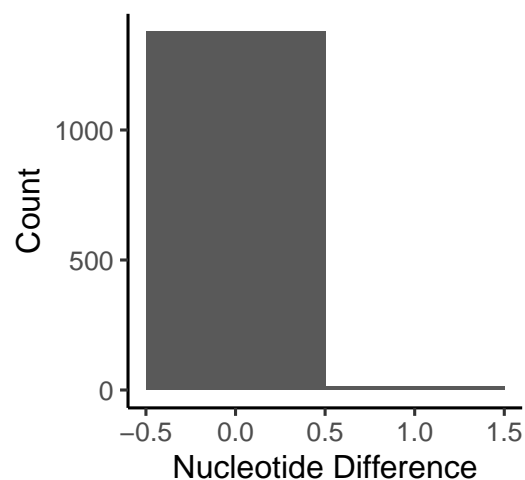
TRBV11-3*ap01

2517 sequences assigned
2496 (99.2%) exact matches, in which:
2466 unique CDR3
13 unique J



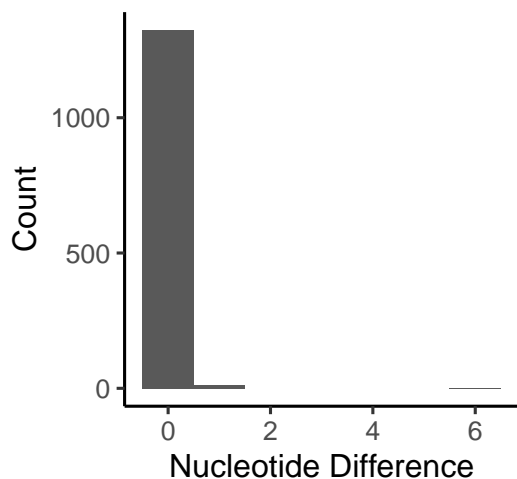
TRBV12-5*ap01

1393 sequences assigned
1378 (98.9%) exact matches, in which:
1359 unique CDR3
13 unique J



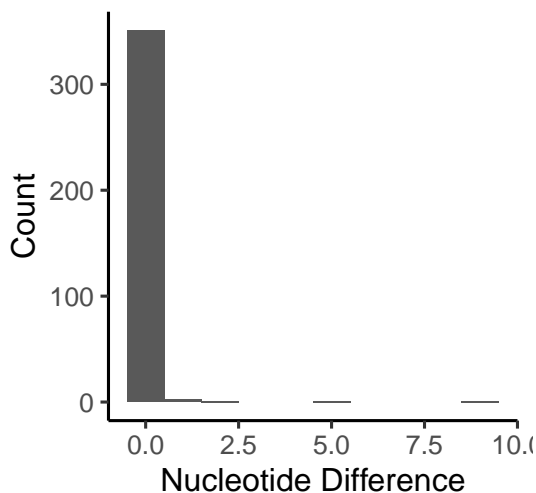
TRBV11-1*ap01

1337 sequences assigned
1324 (99%) exact matches, in which:
1309 unique CDR3
13 unique J



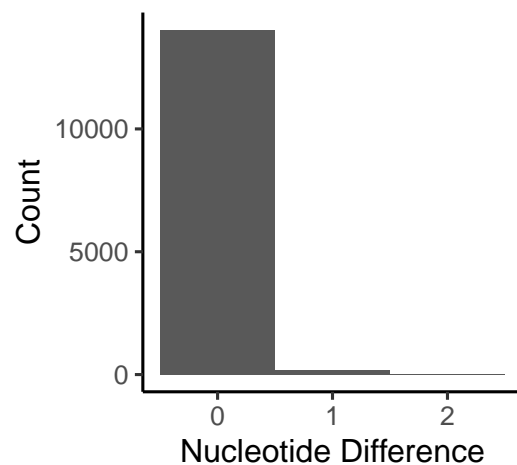
TRBV12-1*ap01

356 sequences assigned
351 (98.6%) exact matches, in which:
342 unique CDR3
13 unique J



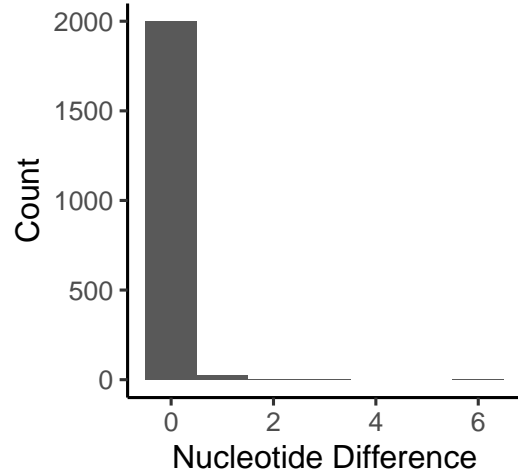
TRBV12-34*ap01

14210 sequences assigned
14036 (98.8%) exact matches, in which:
13713 unique CDR3
13 unique J



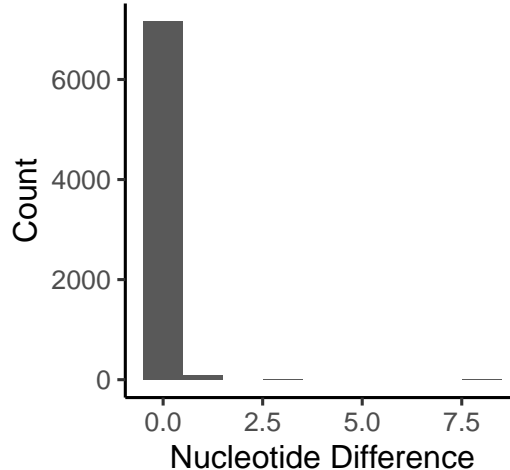
TRBV23-1*ap01

2027 sequences assigned
1999 (98.6%) exact matches, in which:
1961 unique CDR3
13 unique J



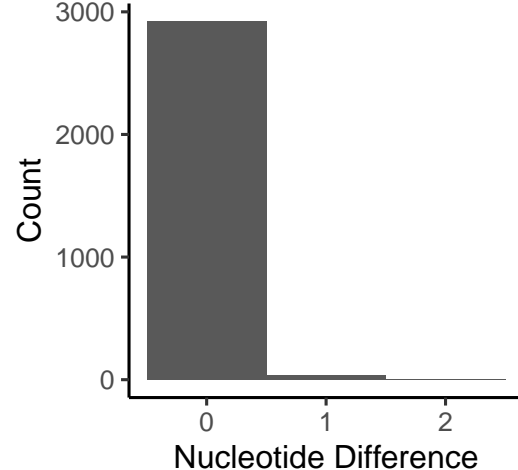
TRBV4-1*ap01

7249 sequences assigned
7161 (98.8%) exact matches, in which:
6943 unique CDR3
13 unique J



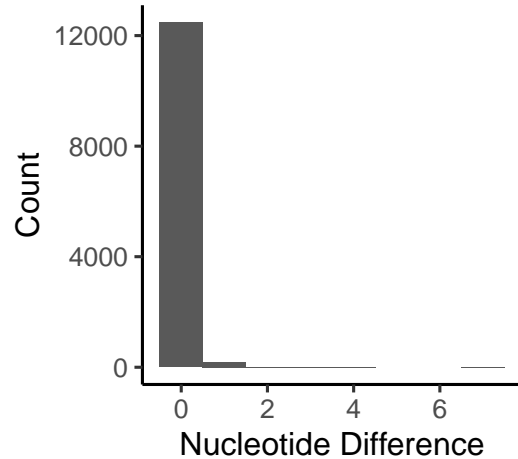
TRBV25-1*ap01

2968 sequences assigned
2922 (98.5%) exact matches, in which:
2846 unique CDR3
13 unique J



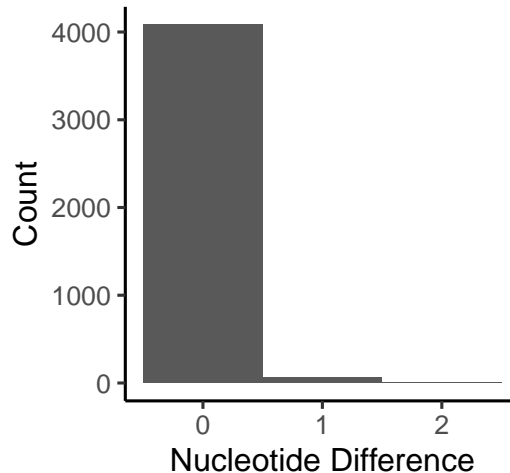
TRBV3-12*ap01

12666 sequences assigned
12475 (98.5%) exact matches, in which:
12159 unique CDR3
13 unique J



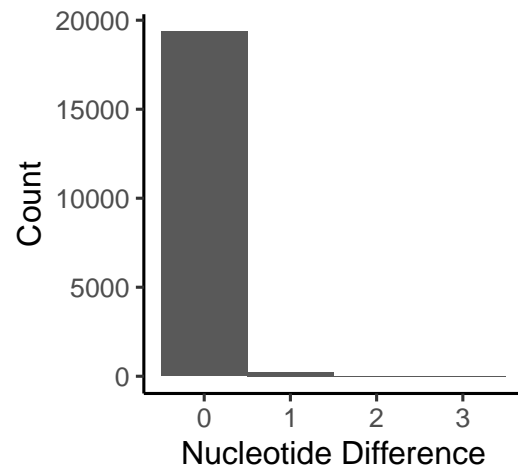
TRBV4-2*ap01

4146 sequences assigned
4083 (98.5%) exact matches, in which:
3967 unique CDR3
13 unique J



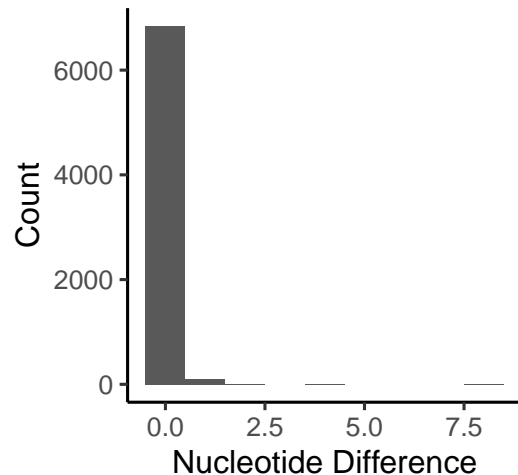
TRBV5-1*ap01

19599 sequences assigned
19368 (98.8%) exact matches, in which:
18783 unique CDR3
14 unique J



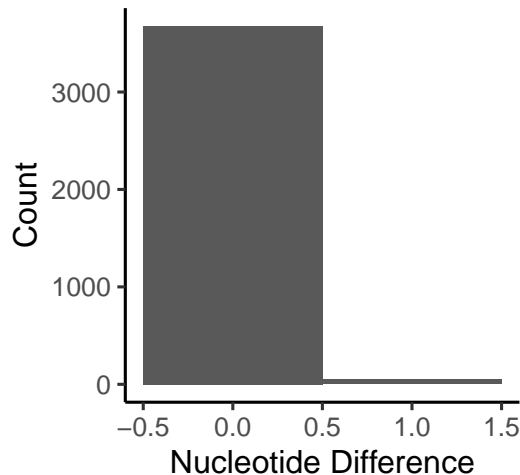
TRBV24-1*ap01

6950 sequences assigned
6842 (98.4%) exact matches, in which:
6674 unique CDR3
13 unique J



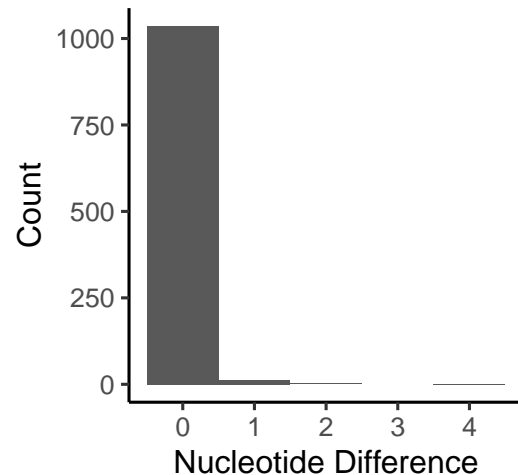
TRBV4-3*ap01

3727 sequences assigned
3677 (98.7%) exact matches, in which:
3581 unique CDR3
13 unique J



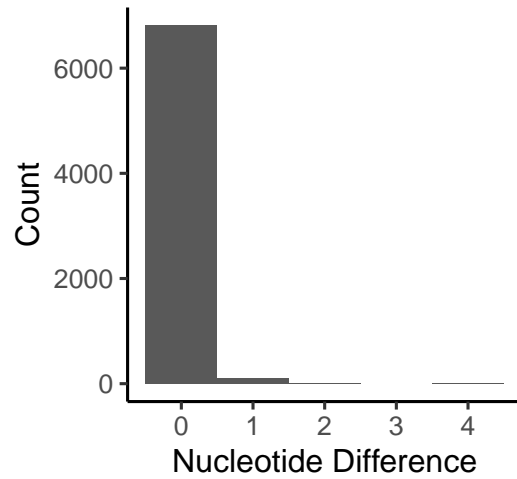
TRBV5-3*ap01

1051 sequences assigned
1036 (98.6%) exact matches, in which:
1023 unique CDR3
13 unique J



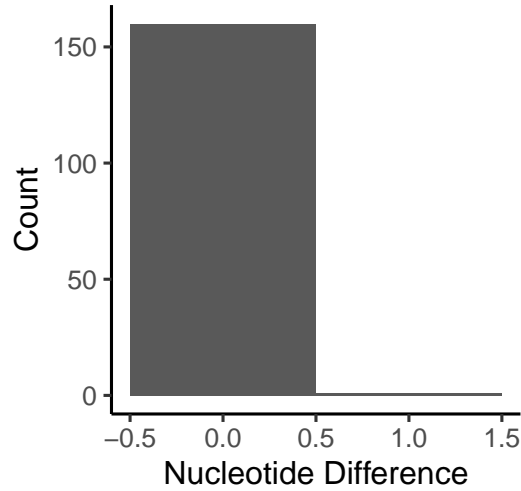
TRBV5-4*ap01

6916 sequences assigned
6813 (98.5%) exact matches, in which:
6641 unique CDR3
13 unique J



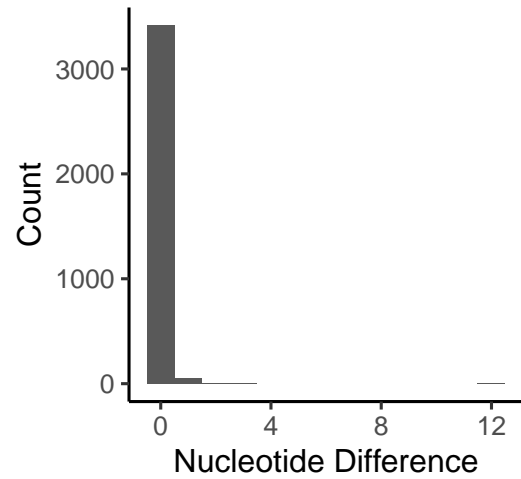
TRBV5-7*ap01

161 sequences assigned
160 (99.4%) exact matches, in which:
158 unique CDR3
13 unique J



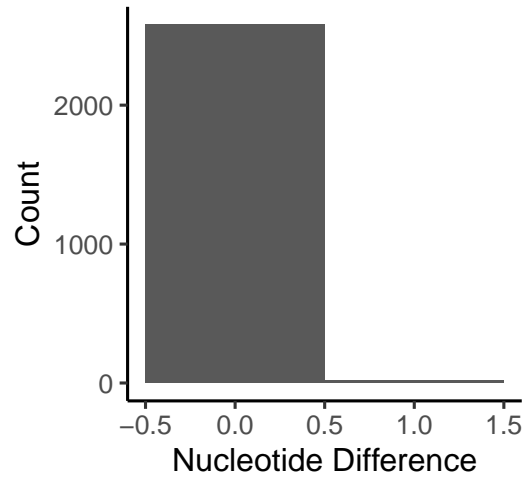
TRBV6-4*ap01

3477 sequences assigned
3415 (98.2%) exact matches, in which:
3357 unique CDR3
13 unique J



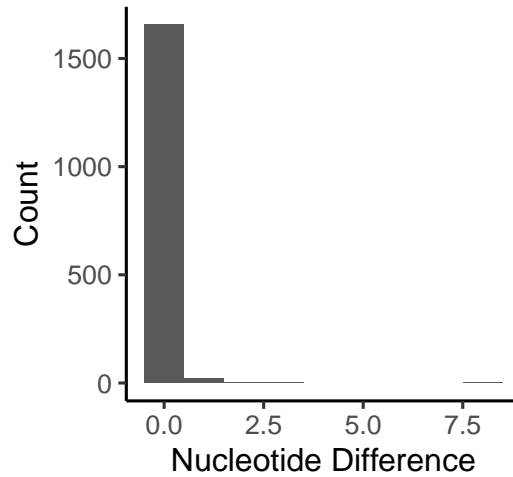
TRBV5-5*ap01

2597 sequences assigned
2579 (99.3%) exact matches, in which:
2553 unique CDR3
13 unique J



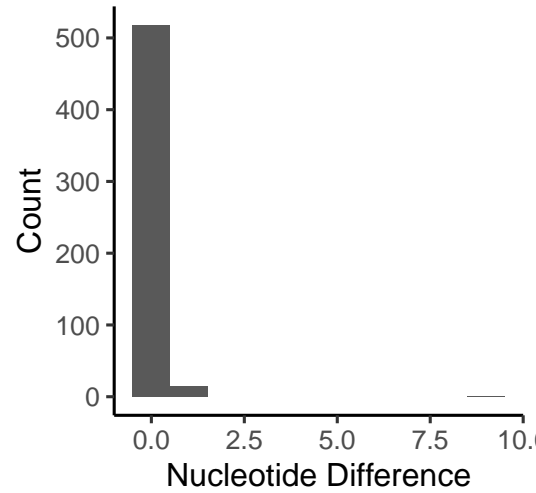
TRBV5-8*ap01

1680 sequences assigned
1656 (98.6%) exact matches, in which:
1633 unique CDR3
13 unique J



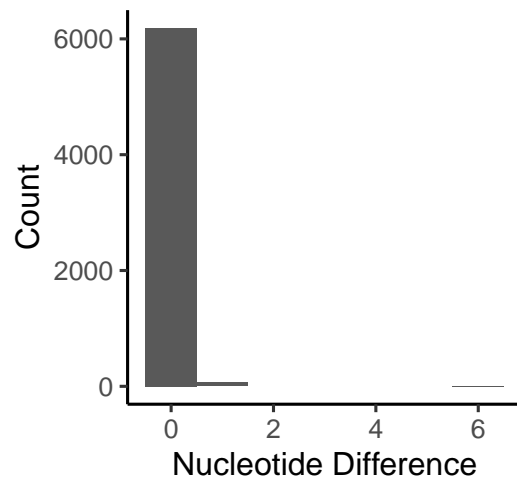
TRBV6-7*ap01

533 sequences assigned
518 (97.2%) exact matches, in which:
501 unique CDR3
13 unique J



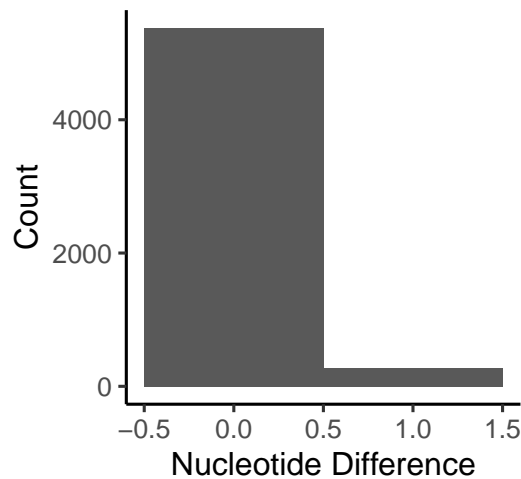
TRBV5-6*ap01

6257 sequences assigned
6187 (98.9%) exact matches, in which:
6013 unique CDR3
13 unique J



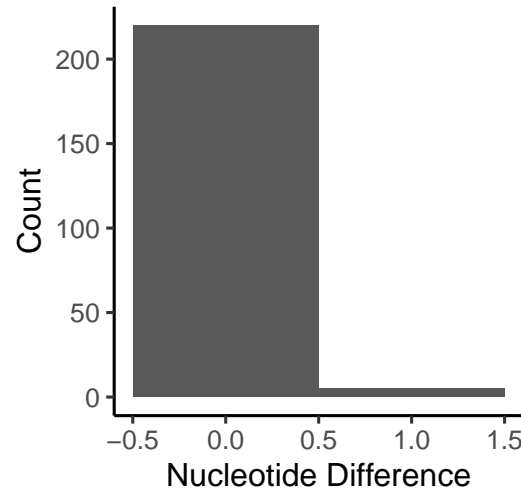
TRBV6-1*ap01

5651 sequences assigned
5376 (95.1%) exact matches, in which:
5238 unique CDR3
13 unique J



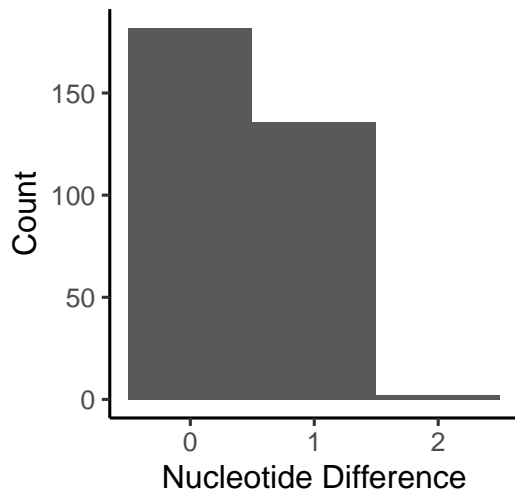
TRBV6-8*ap01

225 sequences assigned
220 (97.8%) exact matches, in which:
212 unique CDR3
13 unique J



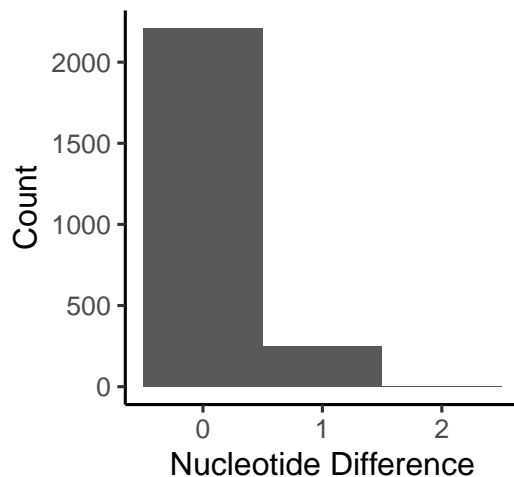
TRBV6–9*ap01

320 sequences assigned
182 (56.9%) exact matches, in which:
175 unique CDR3
13 unique J



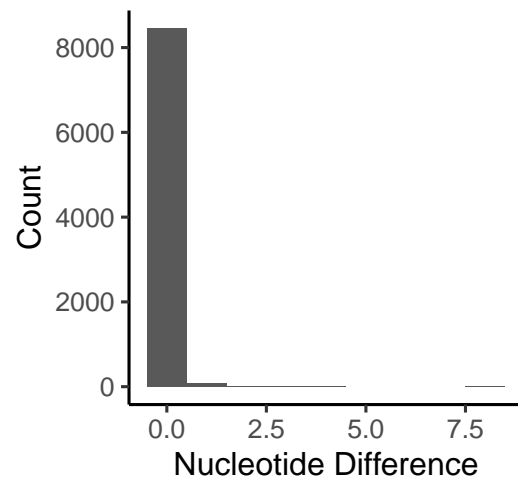
TRBV6–56*ap02

2461 sequences assigned
2208 (89.7%) exact matches, in which:
2140 unique CDR3
13 unique J



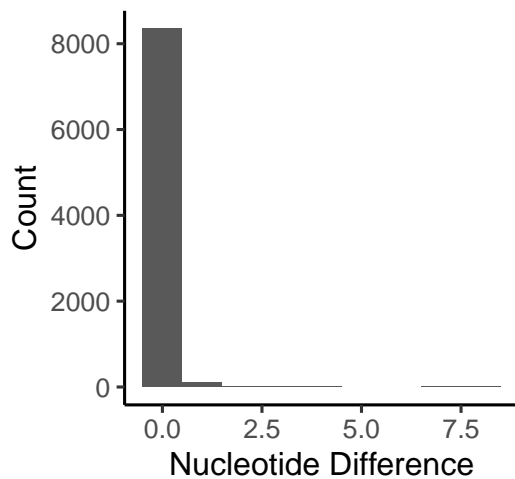
TRBV7–2*ap01

8538 sequences assigned
8452 (99%) exact matches, in which:
8300 unique CDR3
13 unique J



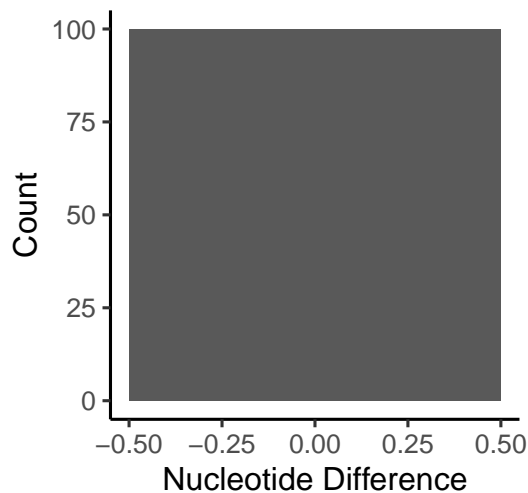
TRBV6–23*ap01

8475 sequences assigned
8349 (98.5%) exact matches, in which:
8083 unique CDR3
13 unique J



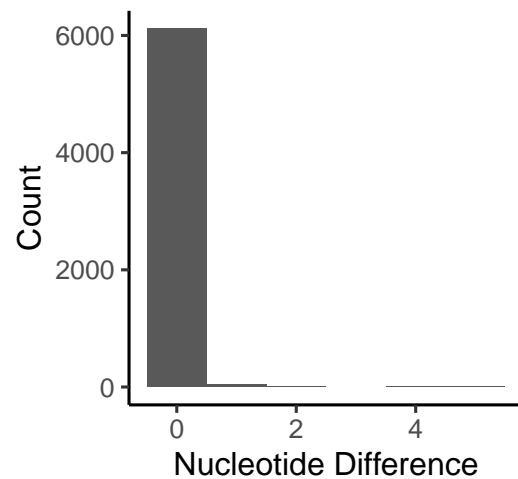
TRBV7–1*ap01_G291C_

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



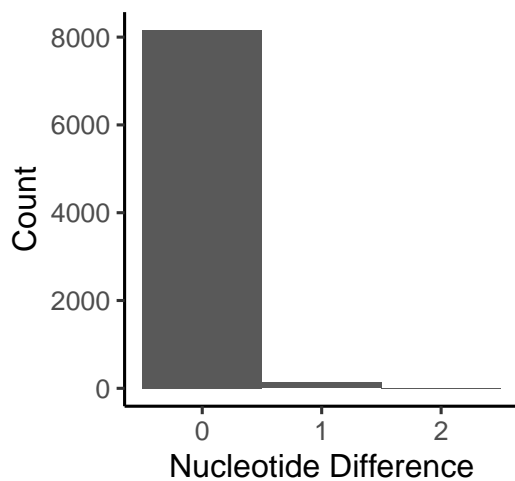
TRBV7–3*ap01

6171 sequences assigned
6115 (99.1%) exact matches, in which:
6032 unique CDR3
13 unique J



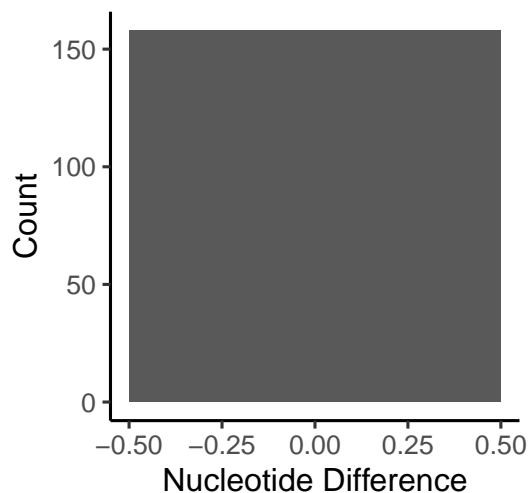
TRBV6–56*ap01

8291 sequences assigned
8161 (98.4%) exact matches, in which:
7913 unique CDR3
13 unique J



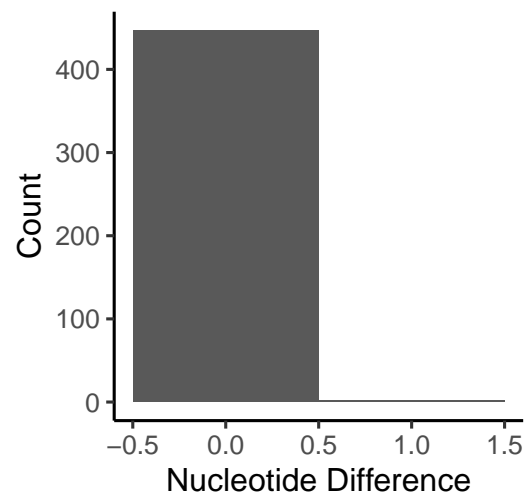
TRBV7–1*ap01_G291C_

158 sequences assigned
158 (100%) exact matches, in which:
156 unique CDR3
13 unique J



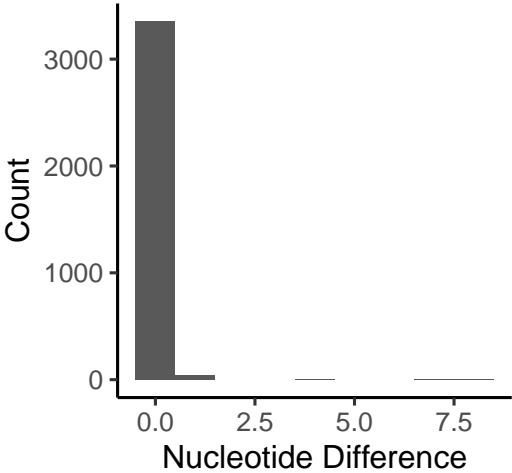
TRBV7–4*ap01

449 sequences assigned
447 (99.6%) exact matches, in which:
442 unique CDR3
13 unique J



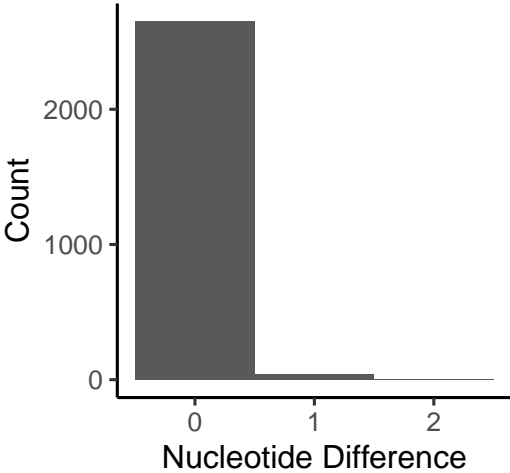
TRBV7-6*ap01

3395 sequences assigned
3353 (98.8%) exact matches, in which:
3293 unique CDR3
13 unique J



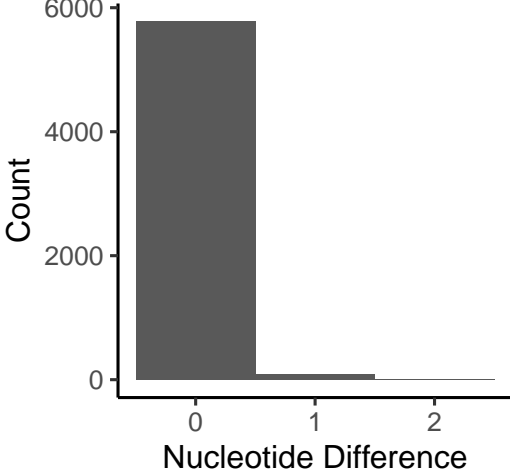
TRBV7-8*ap01

2688 sequences assigned
2650 (98.6%) exact matches, in which:
2581 unique CDR3
13 unique J



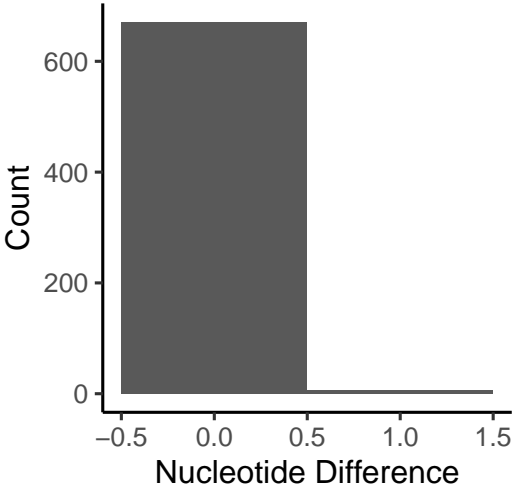
TRBV29-1*ap01

5868 sequences assigned
5779 (98.5%) exact matches, in which:
5614 unique CDR3
13 unique J



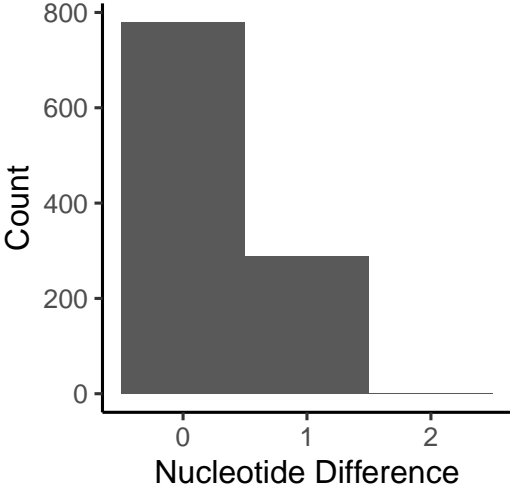
TRBV7-7*ap01

678 sequences assigned
671 (99%) exact matches, in which:
656 unique CDR3
13 unique J



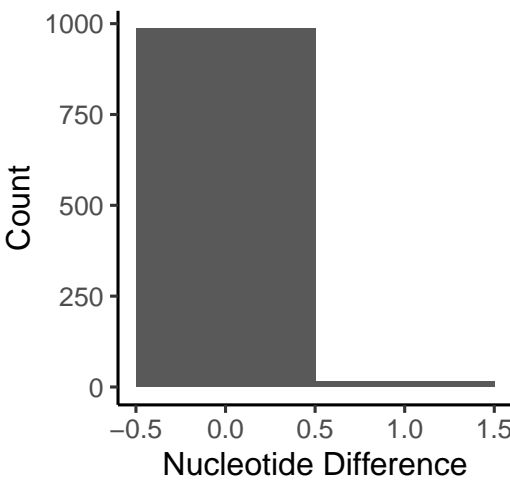
TRBV7-8*ap03

1071 sequences assigned
780 (72.8%) exact matches, in which:
758 unique CDR3
13 unique J



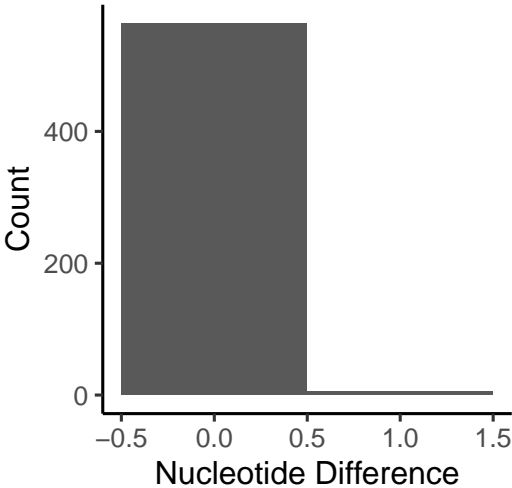
TRBV29-1*ap02

1001 sequences assigned
986 (98.5%) exact matches, in which:
958 unique CDR3
13 unique J



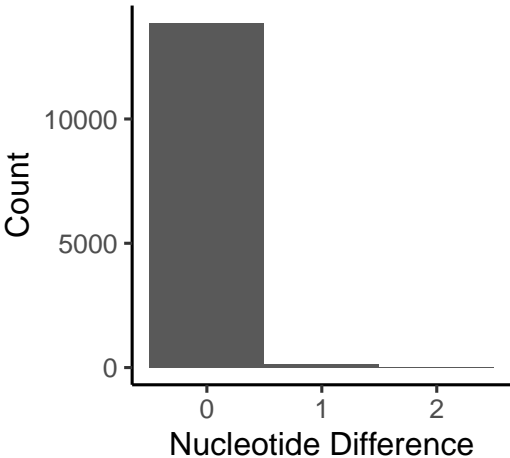
TRBV7-7*ap01_C315T

570 sequences assigned
564 (98.9%) exact matches, in which:
556 unique CDR3
13 unique J

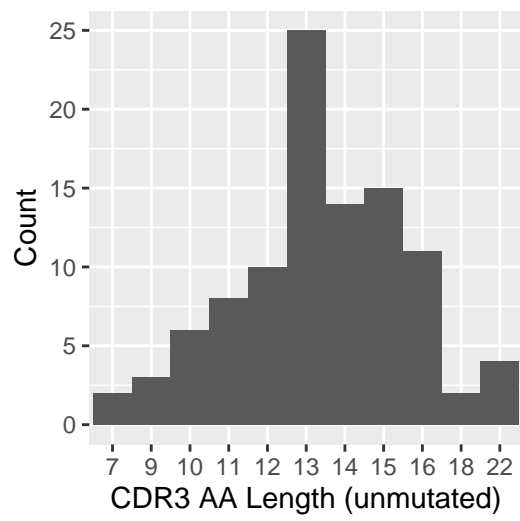


TRBV7-9*ap01

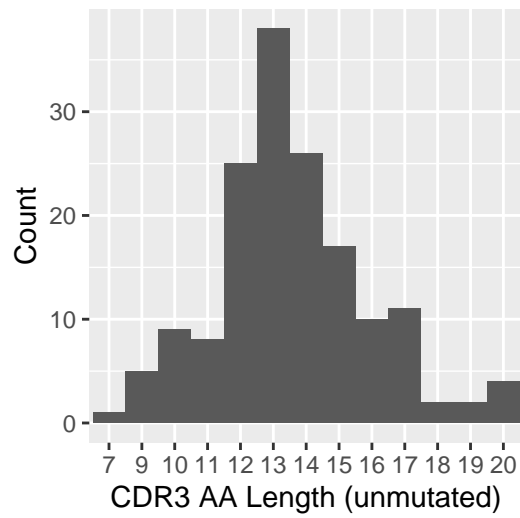
14018 sequences assigned
13870 (98.9%) exact matches, in which:
13639 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

