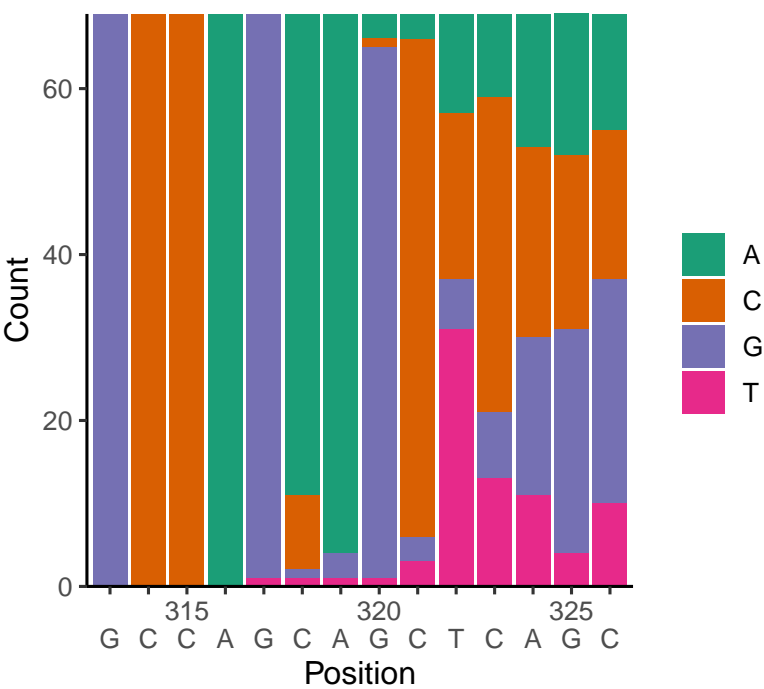
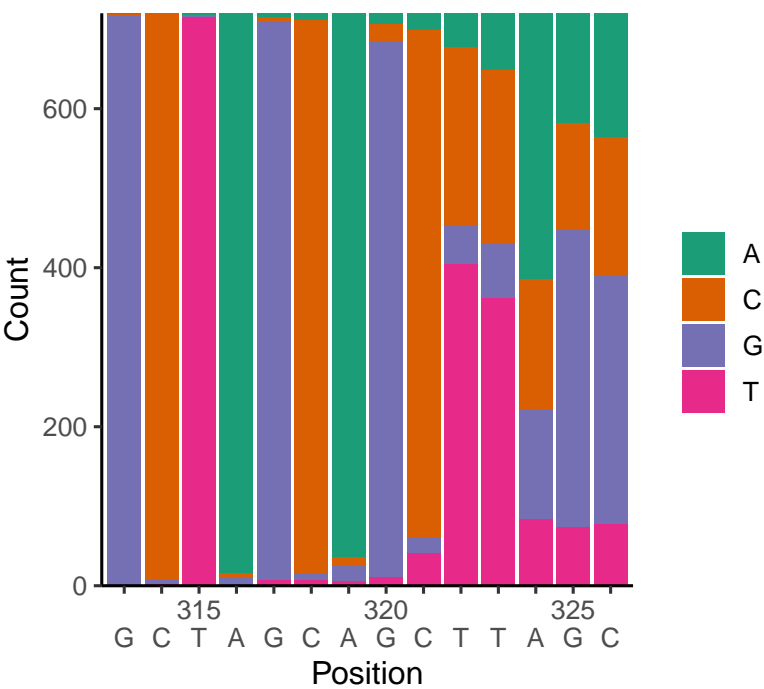


Gene TRBV7-1*ap01_T296C



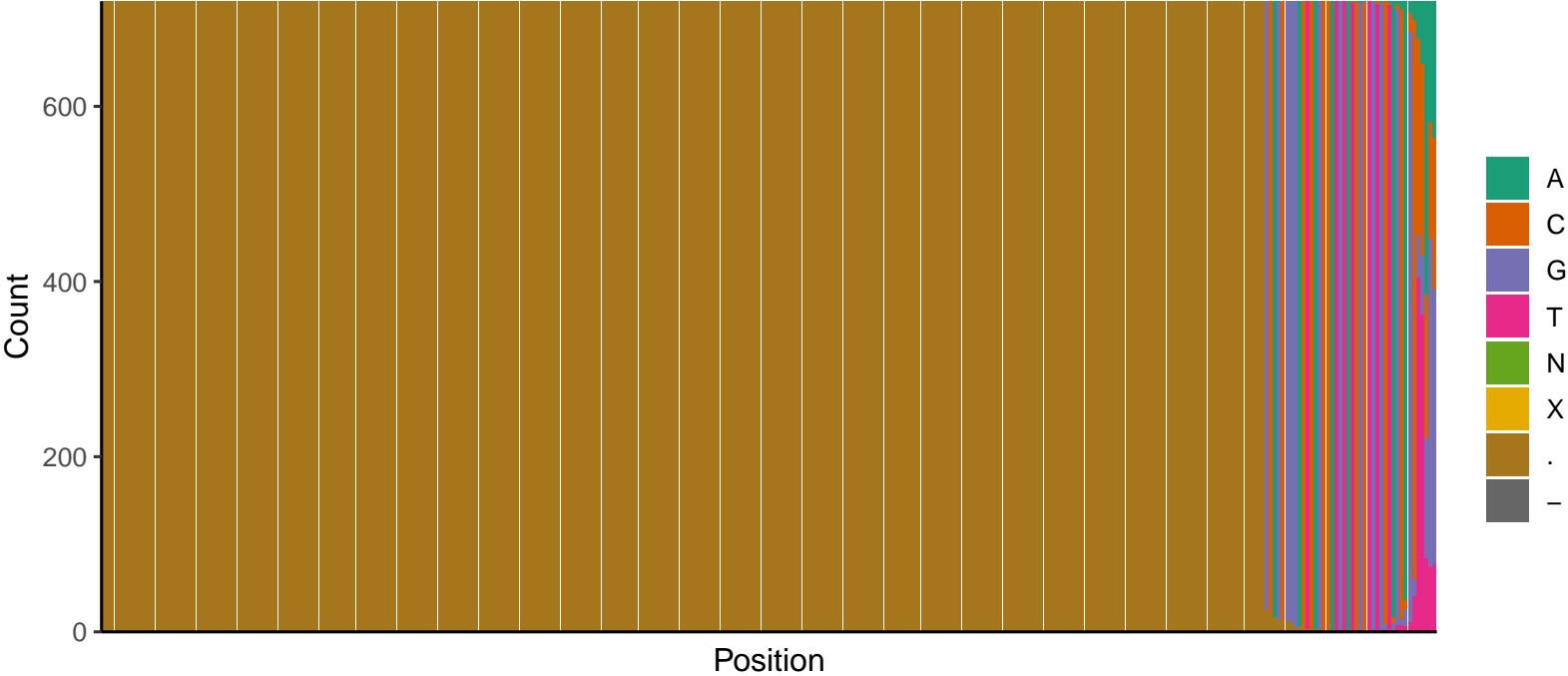
Gene TRBV7-7*ap01_C315T



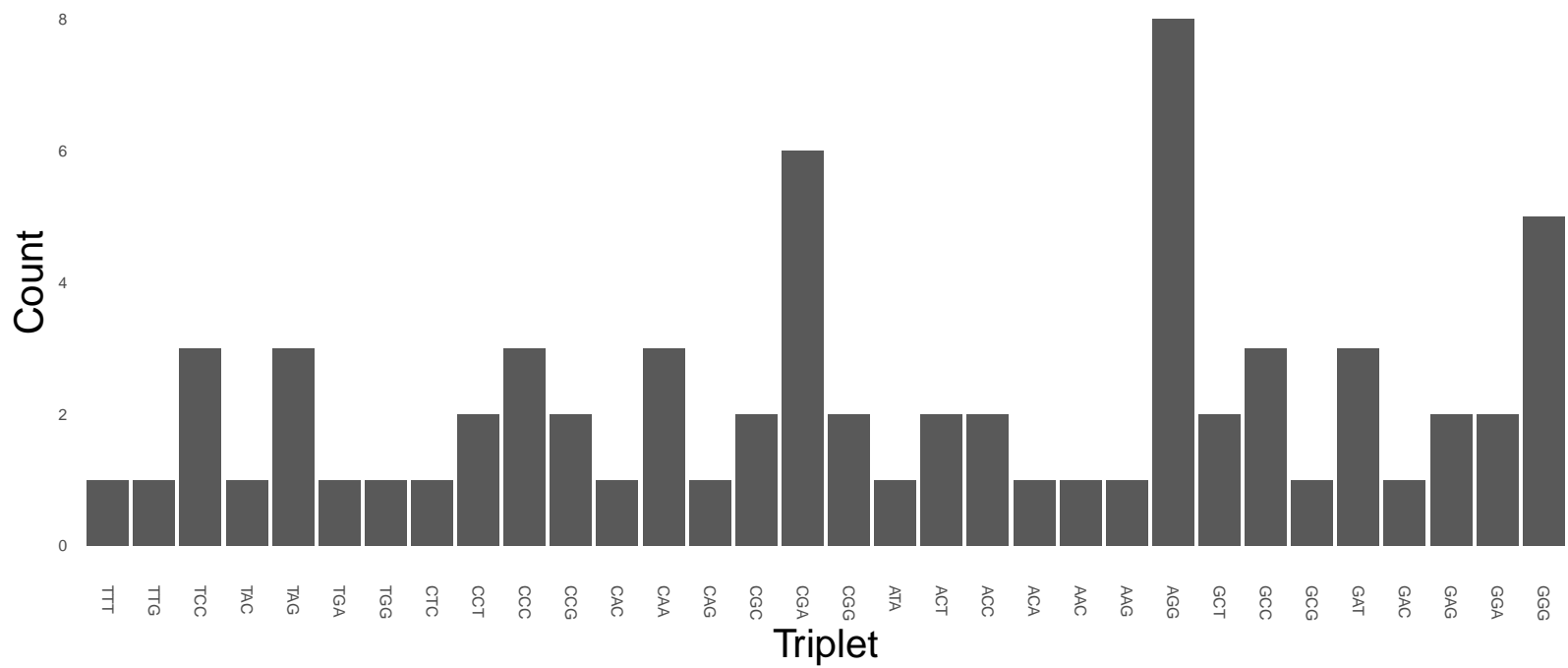
Gene TRBV7-1*ap01_T296C



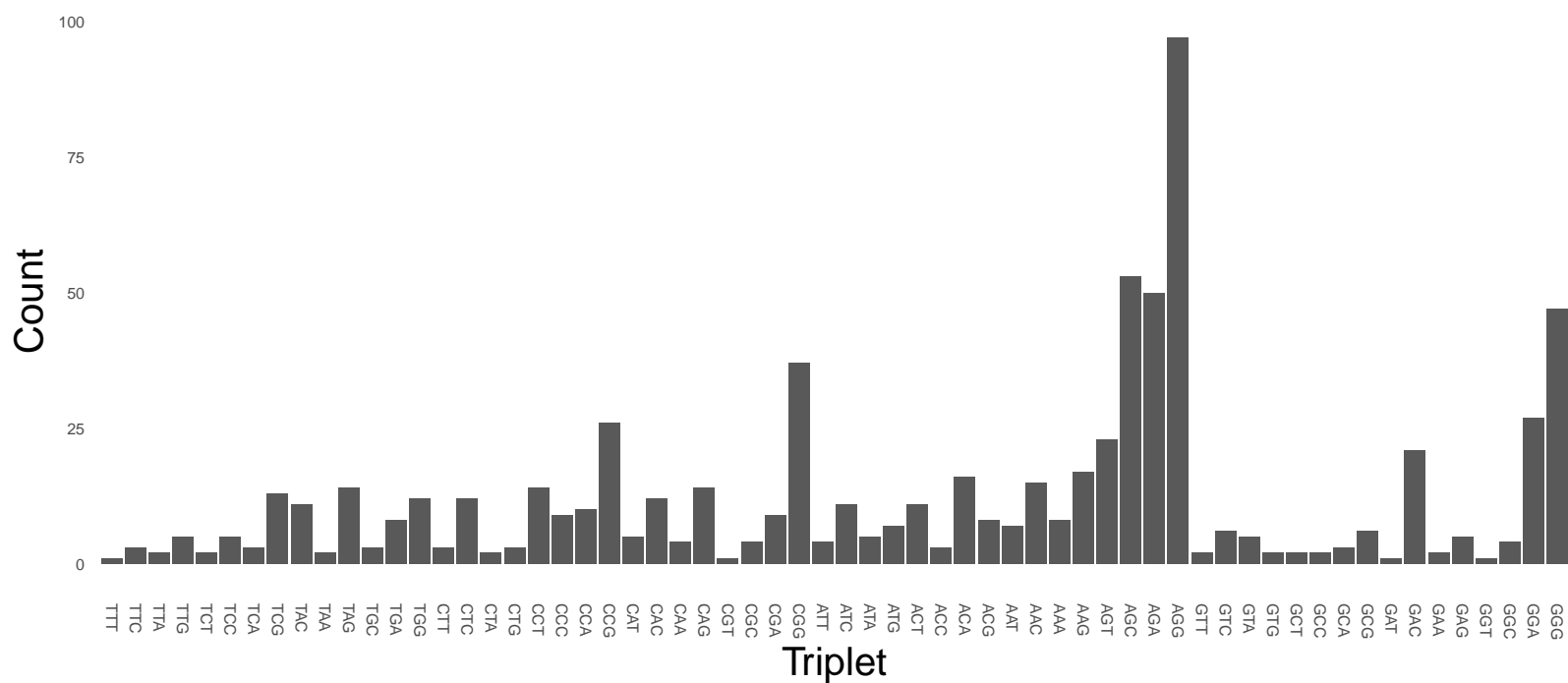
Gene TRBV7-7*ap01_C315T



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

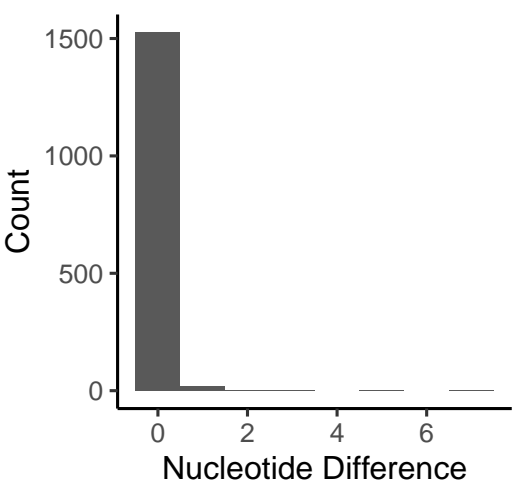


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



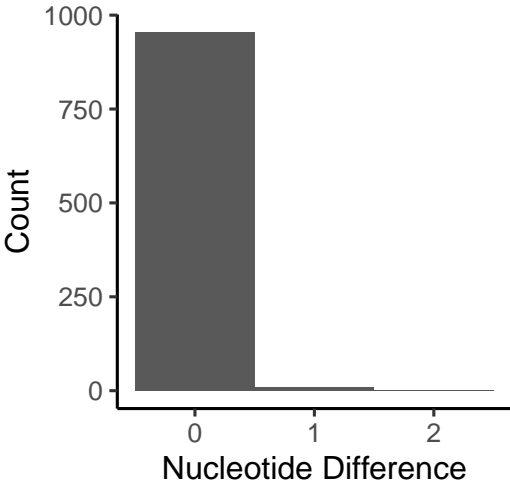
TRBV10-1*ap01

1551 sequences assigned
1526 (98.4%) exact matches, in which:
1499 unique CDR3
13 unique J



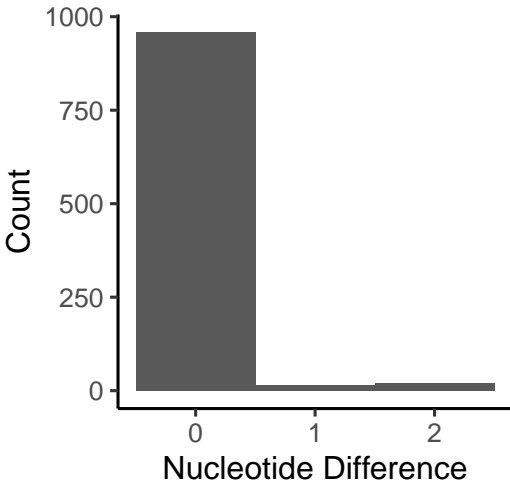
TRBV10-2*ap01

964 sequences assigned
954 (99%) exact matches, in which:
940 unique CDR3
13 unique J



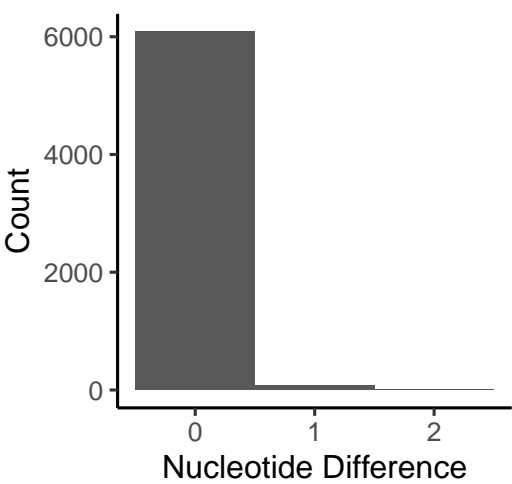
TRBV13*ap01

992 sequences assigned
958 (96.6%) exact matches, in which:
936 unique CDR3
13 unique J



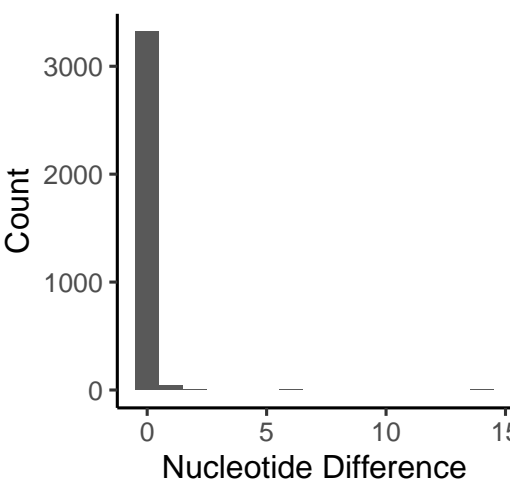
TRBV20-1*ap01

6159 sequences assigned
6085 (98.8%) exact matches, in which:
6013 unique CDR3
13 unique J



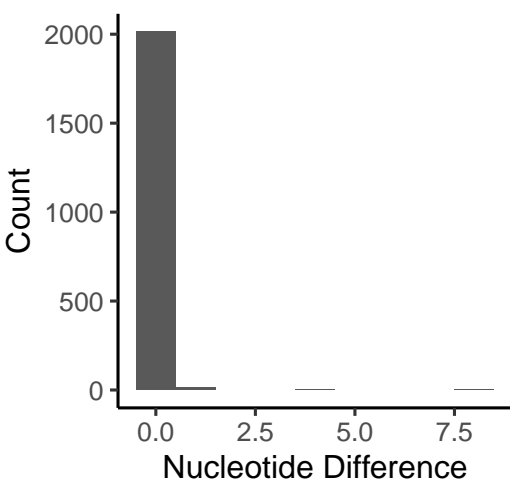
TRBV10-3*ap01

3364 sequences assigned
3320 (98.7%) exact matches, in which:
3271 unique CDR3
13 unique J



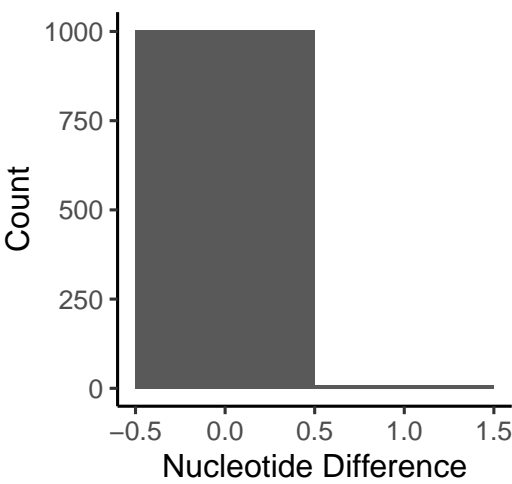
TRBV14*ap01

2031 sequences assigned
2014 (99.2%) exact matches, in which:
1987 unique CDR3
13 unique J



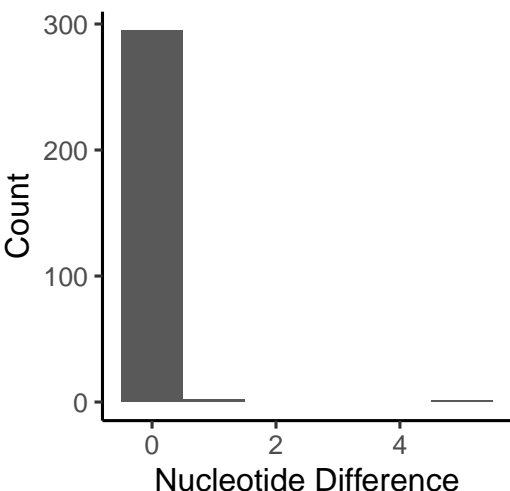
TRBV20-1*ap02

1013 sequences assigned
1004 (99.1%) exact matches, in which:
987 unique CDR3
13 unique J



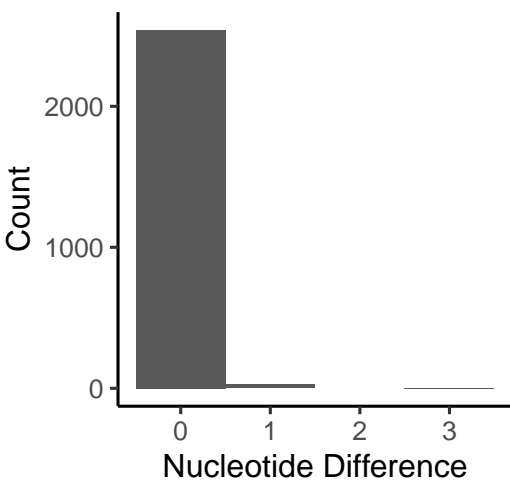
TRBV1*ap01

298 sequences assigned
295 (99%) exact matches, in which:
286 unique CDR3
13 unique J



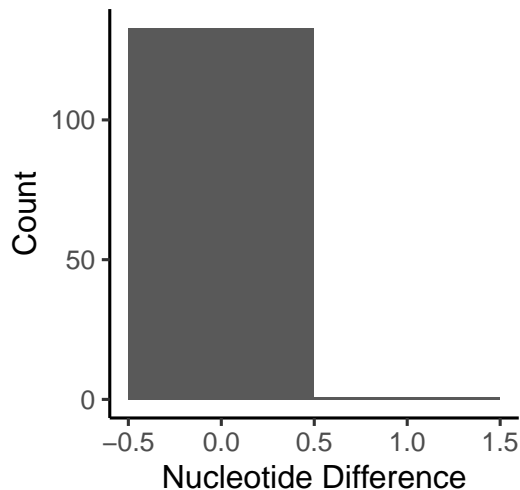
TRBV15*ap02

2569 sequences assigned
2541 (98.9%) exact matches, in which:
2507 unique CDR3
13 unique J



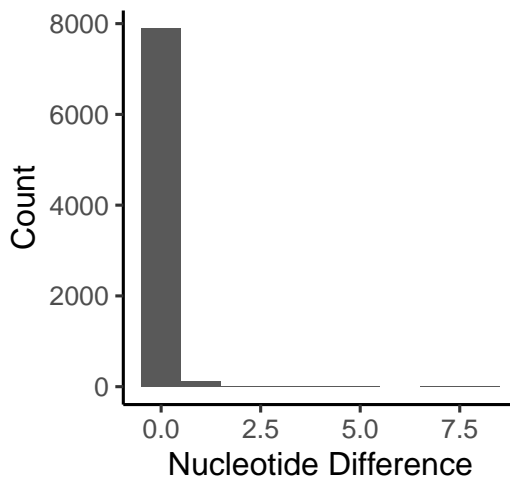
TRBV16*ap01

134 sequences assigned
133 (99.3%) exact matches, in which:
133 unique CDR3
13 unique J



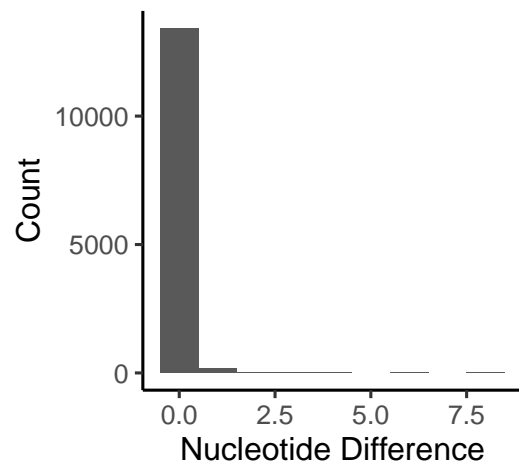
TRBV19*ap01

8025 sequences assigned
7895 (98.4%) exact matches, in which:
7844 unique CDR3
13 unique J



TRBV28*ap01

13596 sequences assigned
13425 (98.7%) exact matches, in which:
13265 unique CDR3
13 unique J



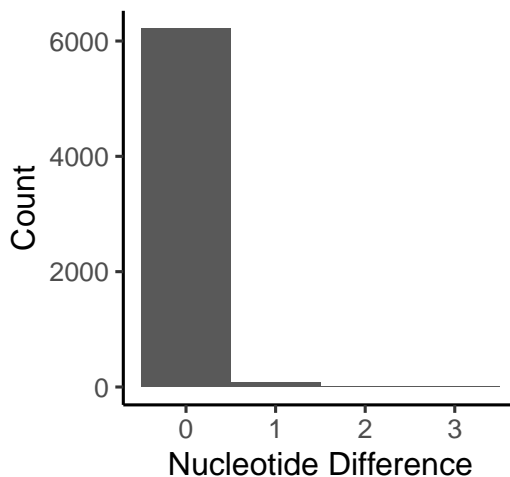
TRBV17*ap01

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



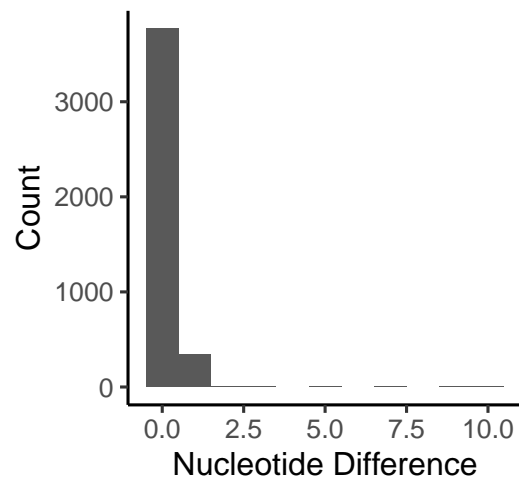
TRBV2*ap01

6297 sequences assigned
6213 (98.7%) exact matches, in which:
6115 unique CDR3
13 unique J



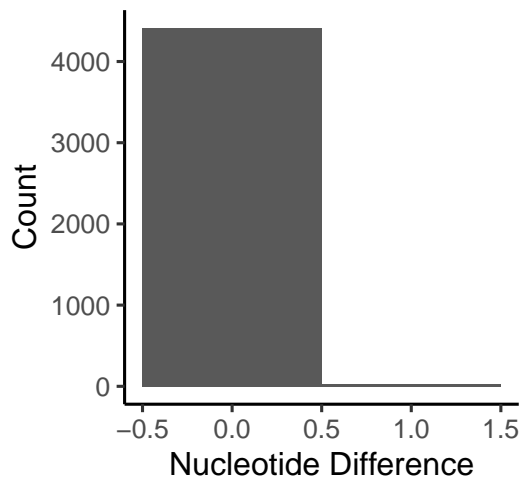
TRBV30*ap01

4122 sequences assigned
3768 (91.4%) exact matches, in which:
3686 unique CDR3
13 unique J



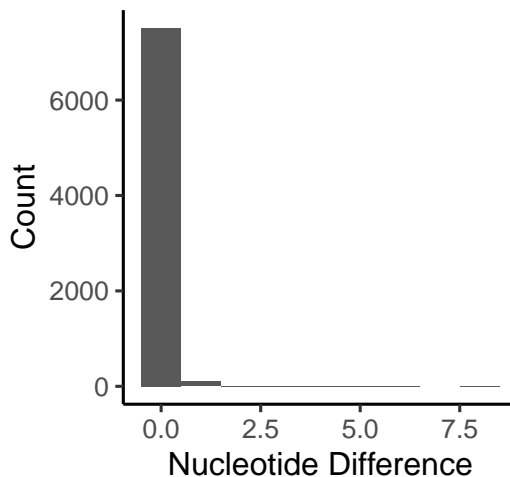
TRBV18*ap01

4439 sequences assigned
4412 (99.4%) exact matches, in which:
4383 unique CDR3
13 unique J



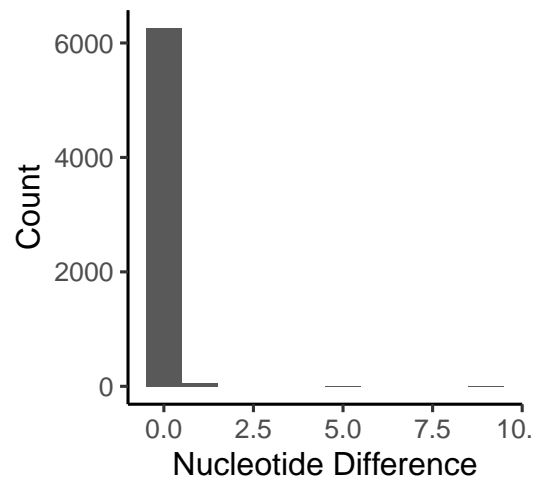
TRBV27*ap01

7618 sequences assigned
7510 (98.6%) exact matches, in which:
7407 unique CDR3
13 unique J



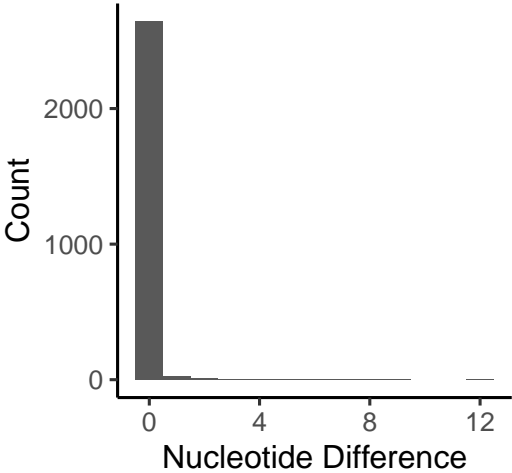
TRBV9*ap01

6321 sequences assigned
6261 (99.1%) exact matches, in which:
6203 unique CDR3
13 unique J



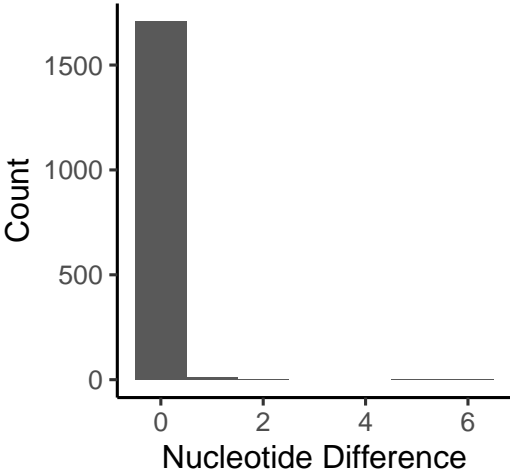
TRBV21-1*ap01

2690 sequences assigned
2643 (98.3%) exact matches, in which:
2625 unique CDR3
13 unique J



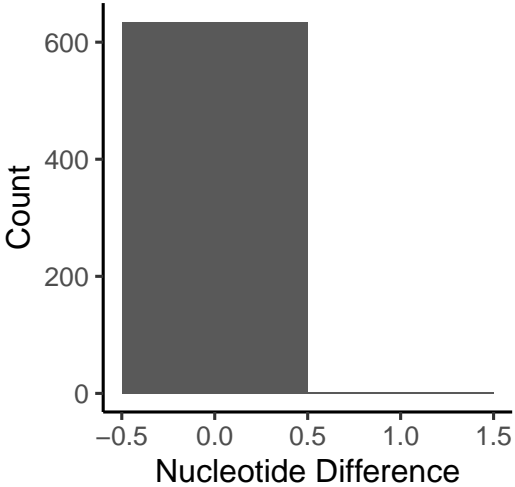
TRBV11-3*ap01

1725 sequences assigned
1708 (99%) exact matches, in which:
1694 unique CDR3
13 unique J



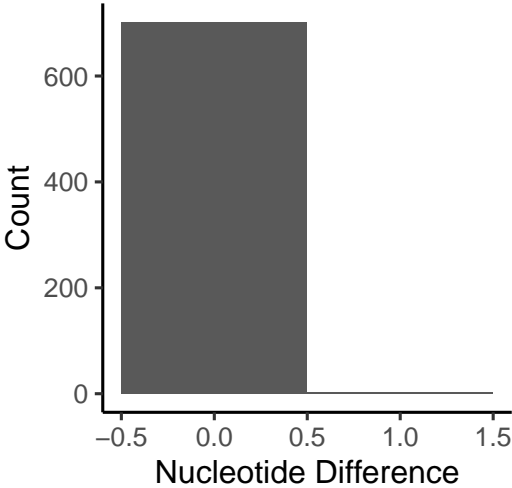
TRBV12-5*ap01

637 sequences assigned
635 (99.7%) exact matches, in which:
623 unique CDR3
13 unique J



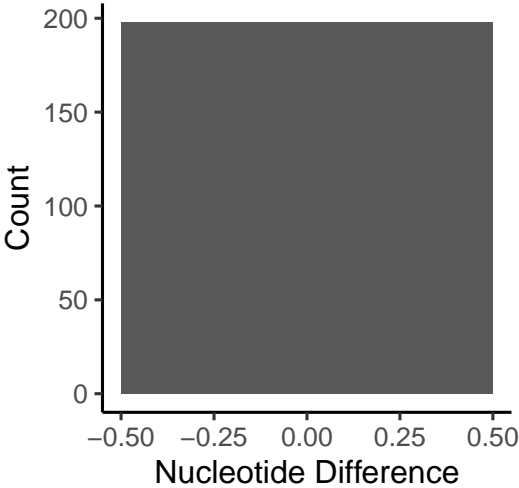
TRBV11-1*ap01

704 sequences assigned
702 (99.7%) exact matches, in which:
693 unique CDR3
13 unique J



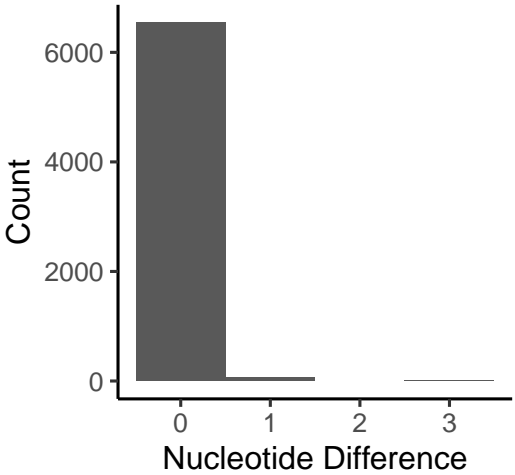
TRBV12-1*ap01

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



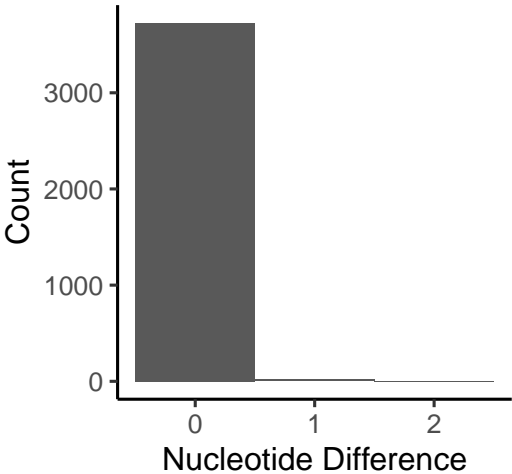
TRBV12-34*ap01

6608 sequences assigned
6541 (99%) exact matches, in which:
6420 unique CDR3
13 unique J



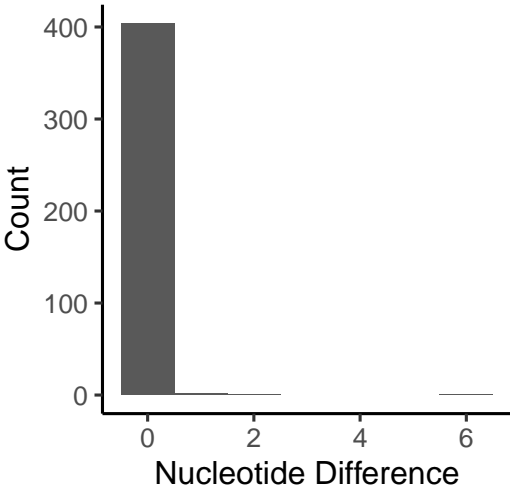
TRBV11-2*ap01

3746 sequences assigned
3725 (99.4%) exact matches, in which:
3688 unique CDR3
13 unique J



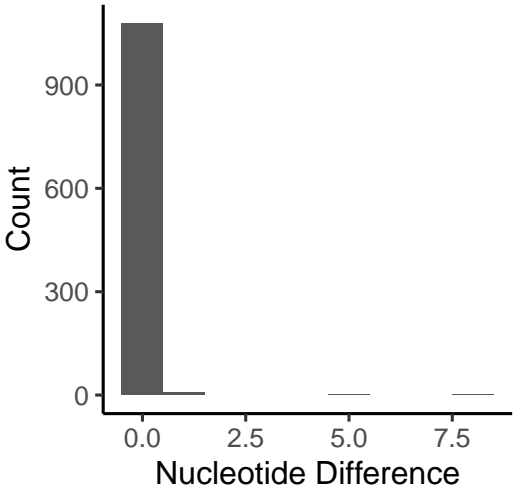
TRBV12-2*ap01

408 sequences assigned
404 (99%) exact matches, in which:
396 unique CDR3
13 unique J



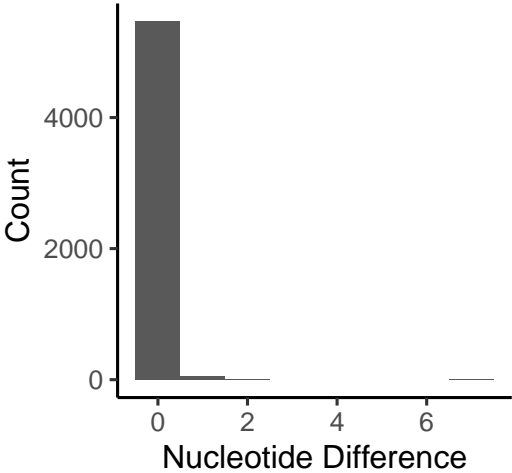
TRBV23-1*ap01

1087 sequences assigned
1079 (99.3%) exact matches, in which:
1063 unique CDR3
13 unique J



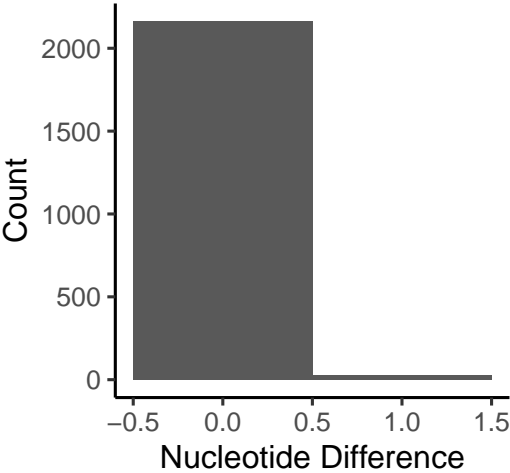
TRBV3-12*ap01

5527 sequences assigned
5467 (98.9%) exact matches, in which:
5418 unique CDR3
13 unique J



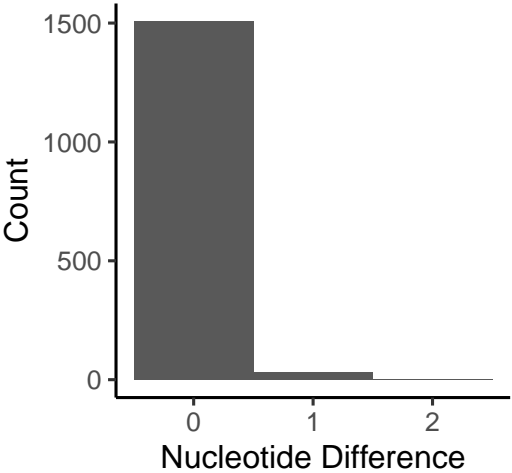
TRBV4-2*ap01

2191 sequences assigned
2162 (98.7%) exact matches, in which:
2134 unique CDR3
13 unique J



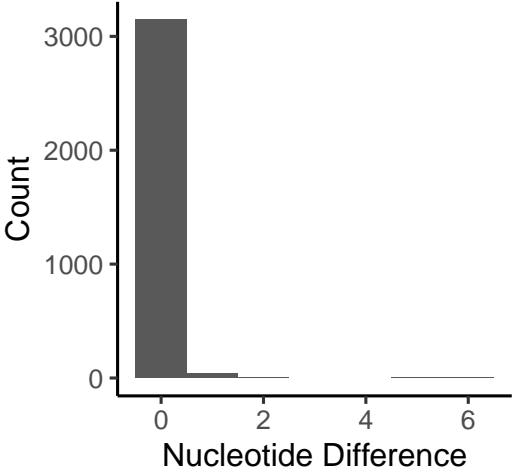
TRBV25-1*ap01

1543 sequences assigned
1507 (97.7%) exact matches, in which:
1475 unique CDR3
13 unique J



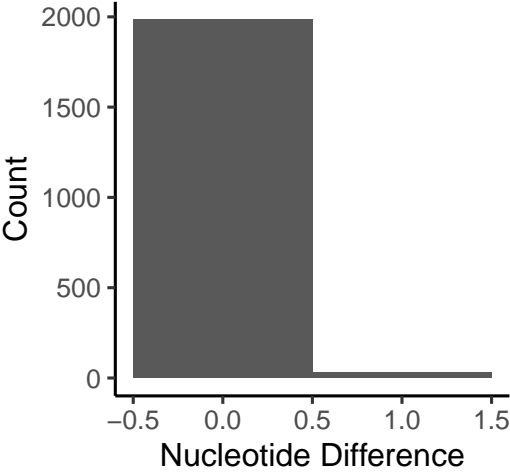
TRBV4-1*ap01

3186 sequences assigned
3146 (98.7%) exact matches, in which:
3079 unique CDR3
13 unique J



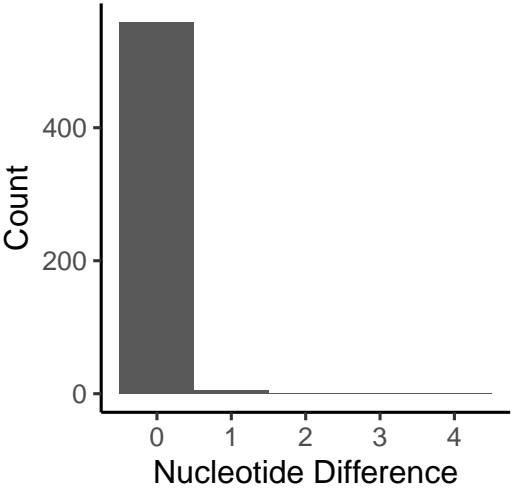
TRBV4-3*ap01

2013 sequences assigned
1984 (98.6%) exact matches, in which:
1948 unique CDR3
13 unique J



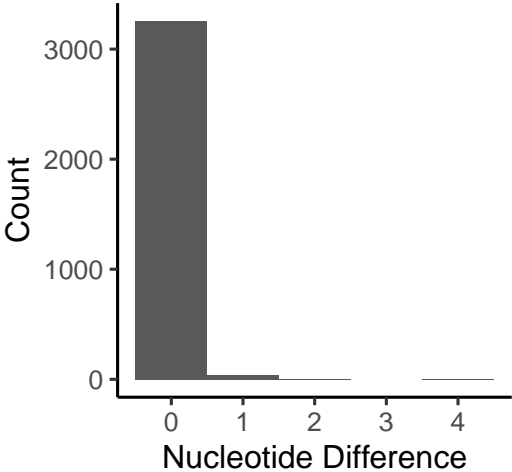
TRBV5-3*ap01

568 sequences assigned
559 (98.4%) exact matches, in which:
552 unique CDR3
13 unique J



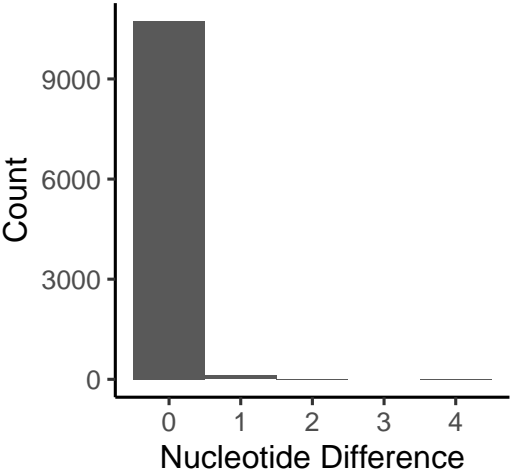
TRBV24-1*ap01

3299 sequences assigned
3255 (98.7%) exact matches, in which:
3196 unique CDR3
13 unique J



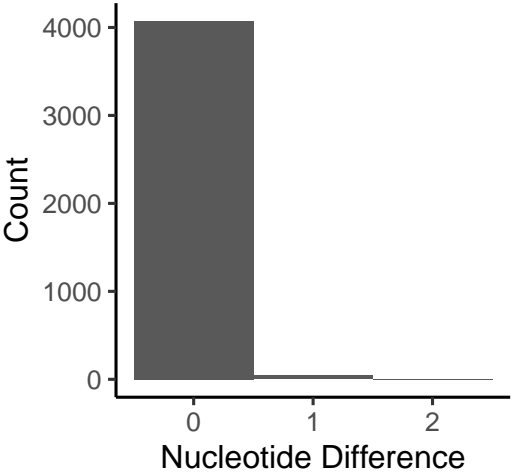
TRBV5-1*ap01

10852 sequences assigned
10735 (98.9%) exact matches, in which:
10534 unique CDR3
13 unique J



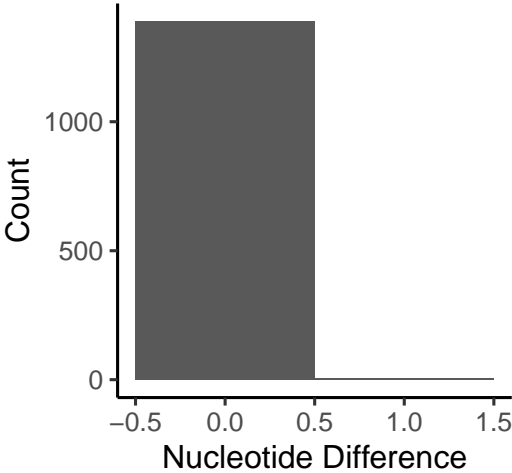
TRBV5-4*ap01

4117 sequences assigned
4073 (98.9%) exact matches, in which:
3996 unique CDR3
13 unique J



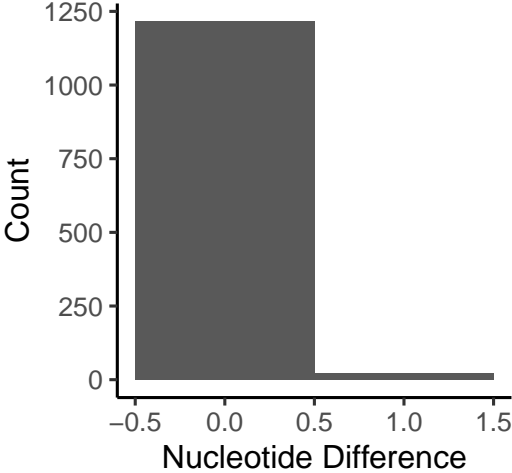
TRBV5-5*ap01

1394 sequences assigned
1389 (99.6%) exact matches, in which:
1384 unique CDR3
13 unique J



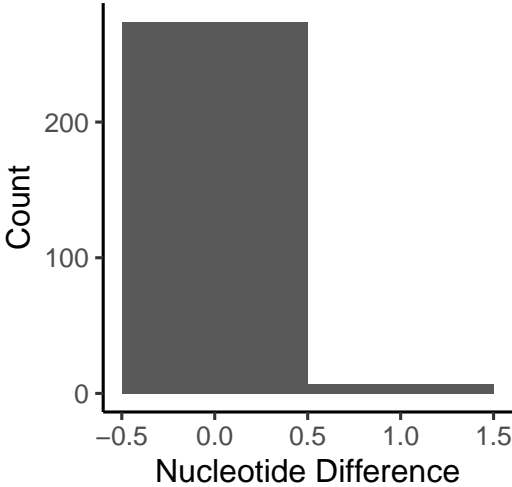
TRBV5-8*ap01

1237 sequences assigned
1216 (98.3%) exact matches, in which:
1202 unique CDR3
13 unique J



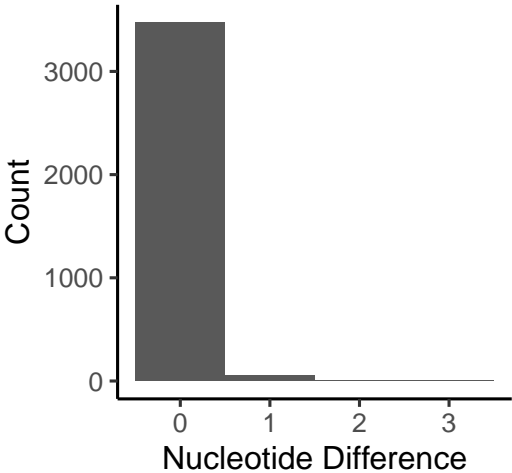
TRBV6-7*ap01

281 sequences assigned
274 (97.5%) exact matches, in which:
271 unique CDR3
13 unique J



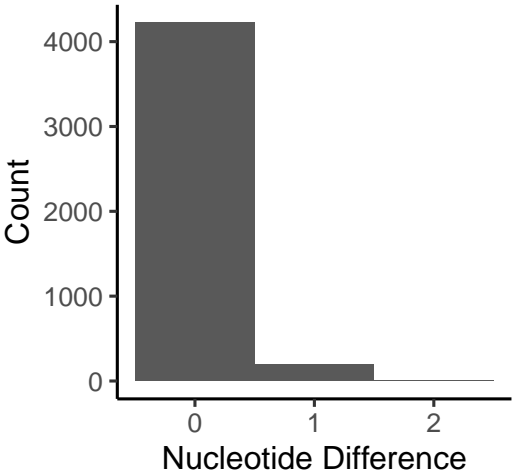
TRBV5-6*ap01

3537 sequences assigned
3472 (98.2%) exact matches, in which:
3391 unique CDR3
13 unique J



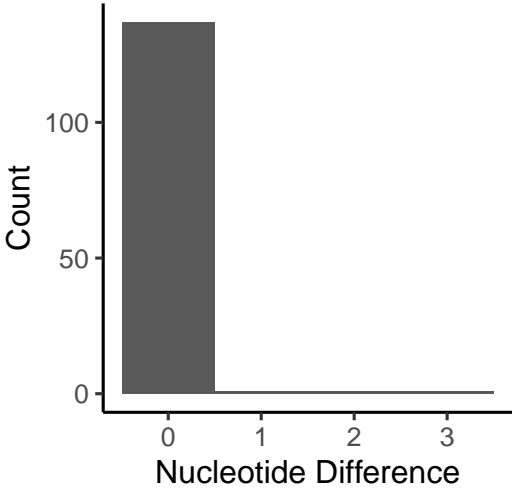
TRBV6-1*ap01

4414 sequences assigned
4223 (95.7%) exact matches, in which:
4121 unique CDR3
13 unique J



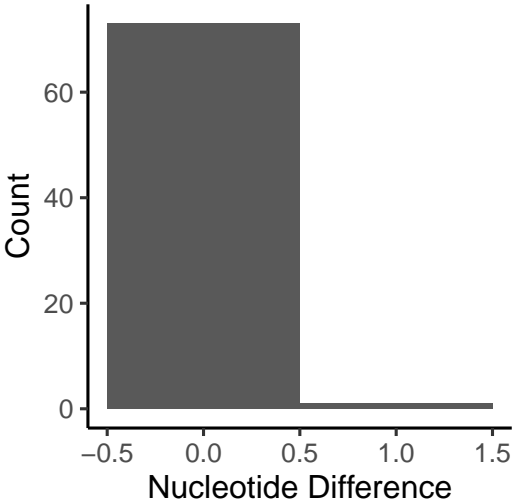
TRBV6-8*ap01

140 sequences assigned
137 (97.9%) exact matches, in which:
134 unique CDR3
13 unique J



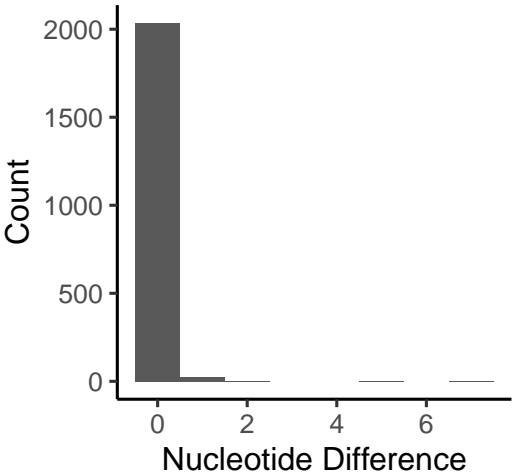
TRBV5-7*ap01

74 sequences assigned
73 (98.6%) exact matches, in which:
72 unique CDR3
13 unique J



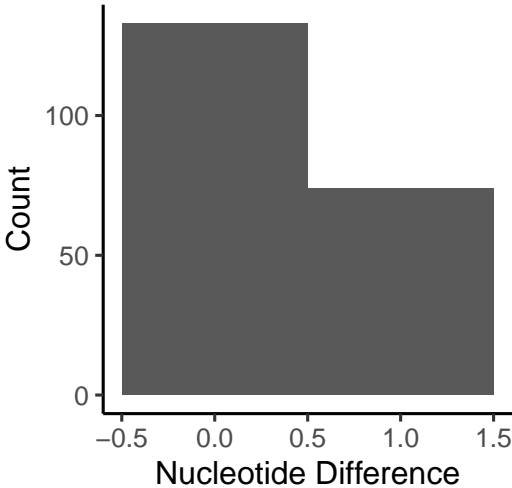
TRBV6-4*ap01

2066 sequences assigned
2035 (98.5%) exact matches, in which:
1994 unique CDR3
13 unique J



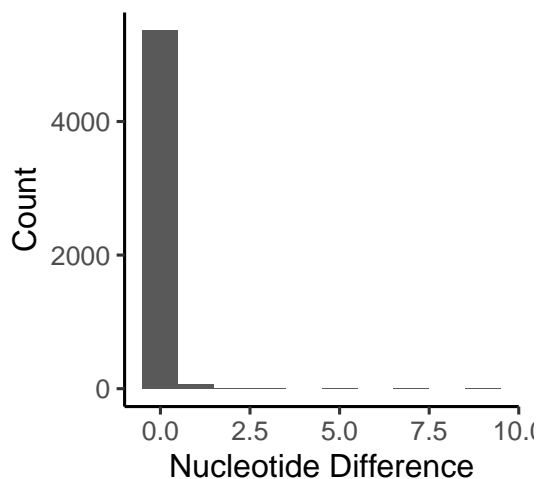
TRBV6-9*ap01

207 sequences assigned
133 (64.3%) exact matches, in which:
131 unique CDR3
12 unique J



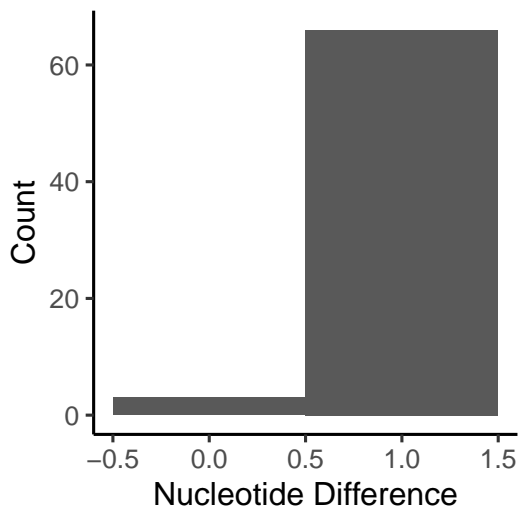
TRBV6-23*ap01

5445 sequences assigned
5364 (98.5%) exact matches, in which:
5213 unique CDR3
13 unique J



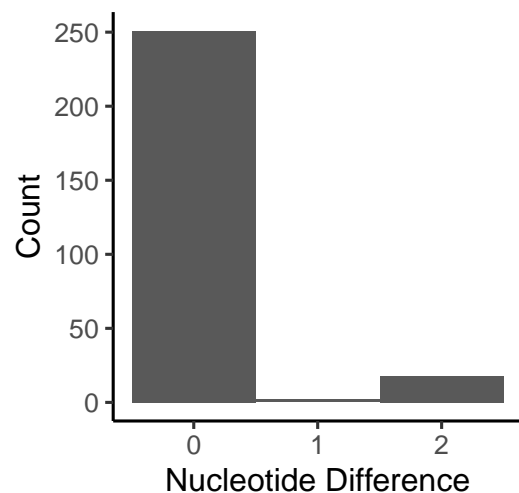
TRBV7-1*ap01_T296C

69 sequences assigned
3 (4.3%) exact matches, in which:
3 unique CDR3
3 unique J



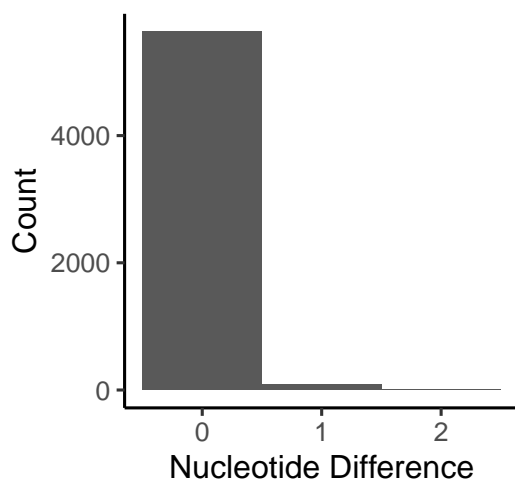
TRBV7-4*ap01

271 sequences assigned
251 (92.6%) exact matches, in which:
248 unique CDR3
13 unique J



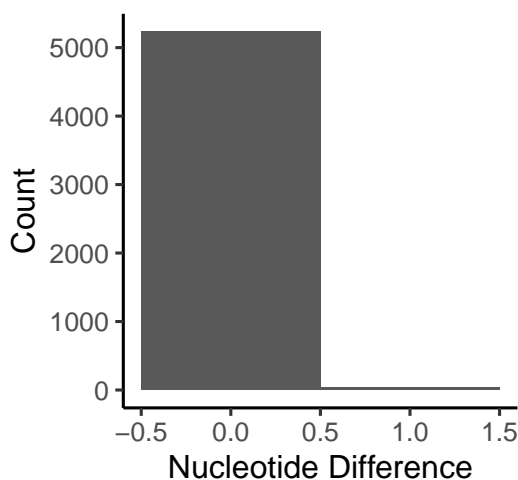
TRBV6-56*ap01

5717 sequences assigned
5633 (98.5%) exact matches, in which:
5471 unique CDR3
13 unique J



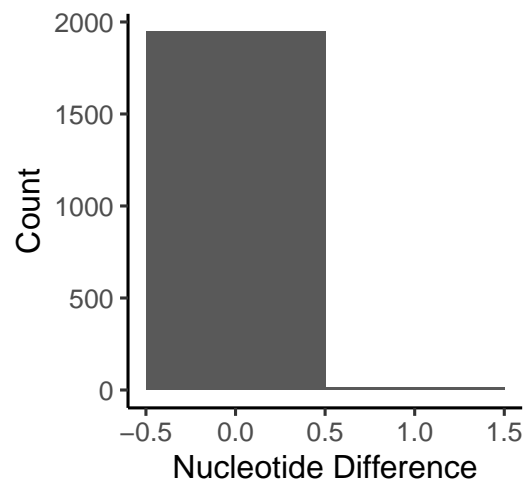
TRBV7-2*ap01

5275 sequences assigned
5232 (99.2%) exact matches, in which:
5162 unique CDR3
13 unique J



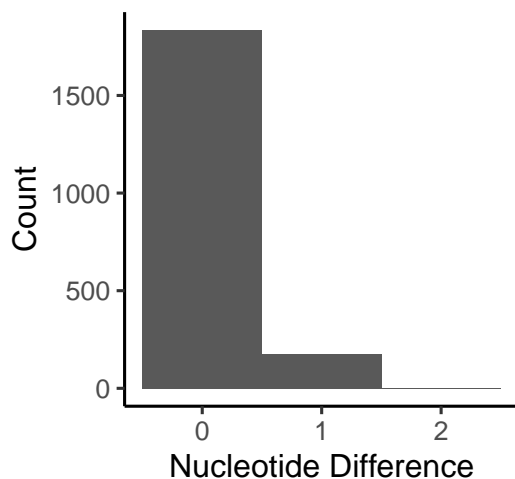
TRBV7-6*ap01

1962 sequences assigned
1947 (99.2%) exact matches, in which:
1922 unique CDR3
13 unique J



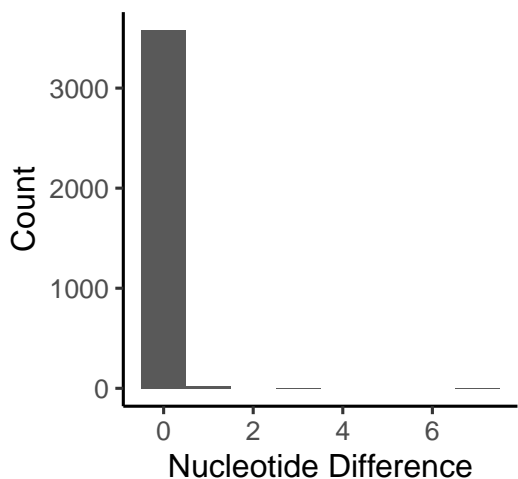
TRBV6-56*ap02

2011 sequences assigned
1835 (91.2%) exact matches, in which:
1795 unique CDR3
13 unique J



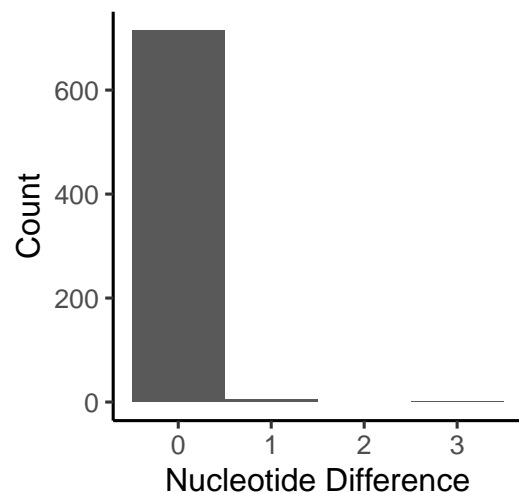
TRBV7-3*ap01

3603 sequences assigned
3580 (99.4%) exact matches, in which:
3542 unique CDR3
13 unique J



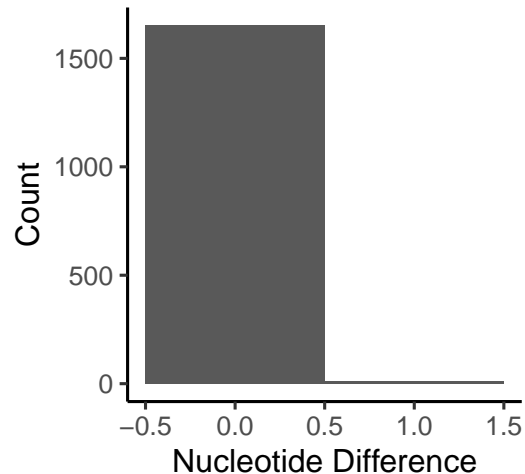
TRBV7-7*ap01_C315T

720 sequences assigned
715 (99.3%) exact matches, in which:
700 unique CDR3
13 unique J



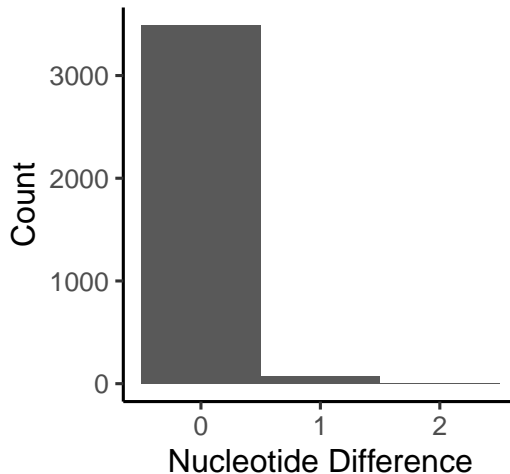
TRBV7-8*ap01

1664 sequences assigned
1652 (99.3%) exact matches, in which:
1630 unique CDR3
13 unique J



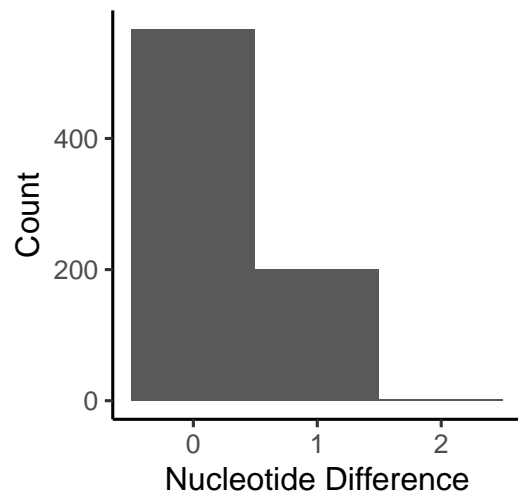
TRBV29-1*ap01

3561 sequences assigned
3488 (98%) exact matches, in which:
3401 unique CDR3
13 unique J



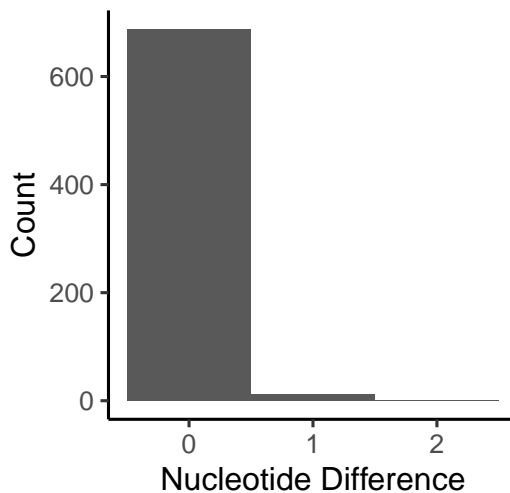
TRBV7-8*ap03

771 sequences assigned
567 (73.5%) exact matches, in which:
559 unique CDR3
13 unique J



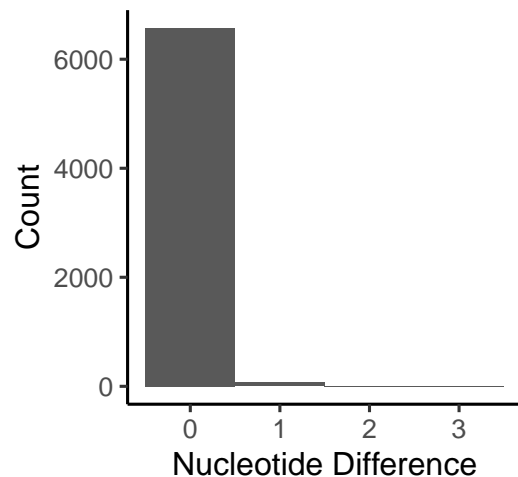
TRBV29-1*ap02

701 sequences assigned
688 (98.1%) exact matches, in which:
675 unique CDR3
13 unique J

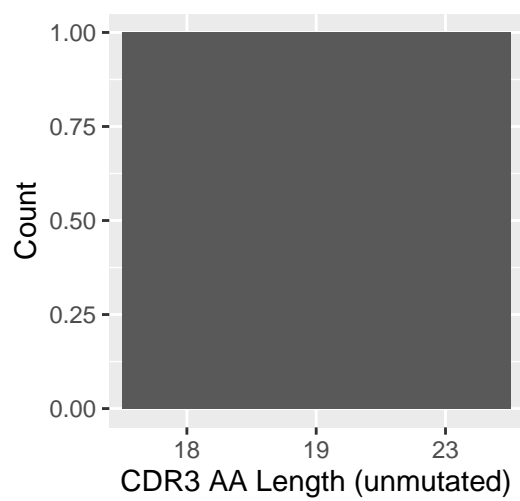


TRBV7-9*ap01

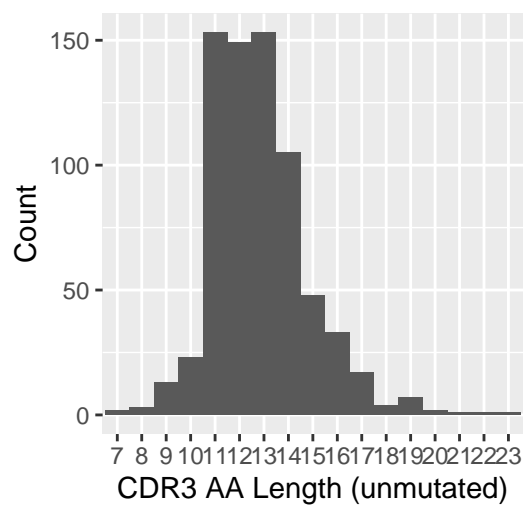
6642 sequences assigned
6572 (98.9%) exact matches, in which:
6489 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]