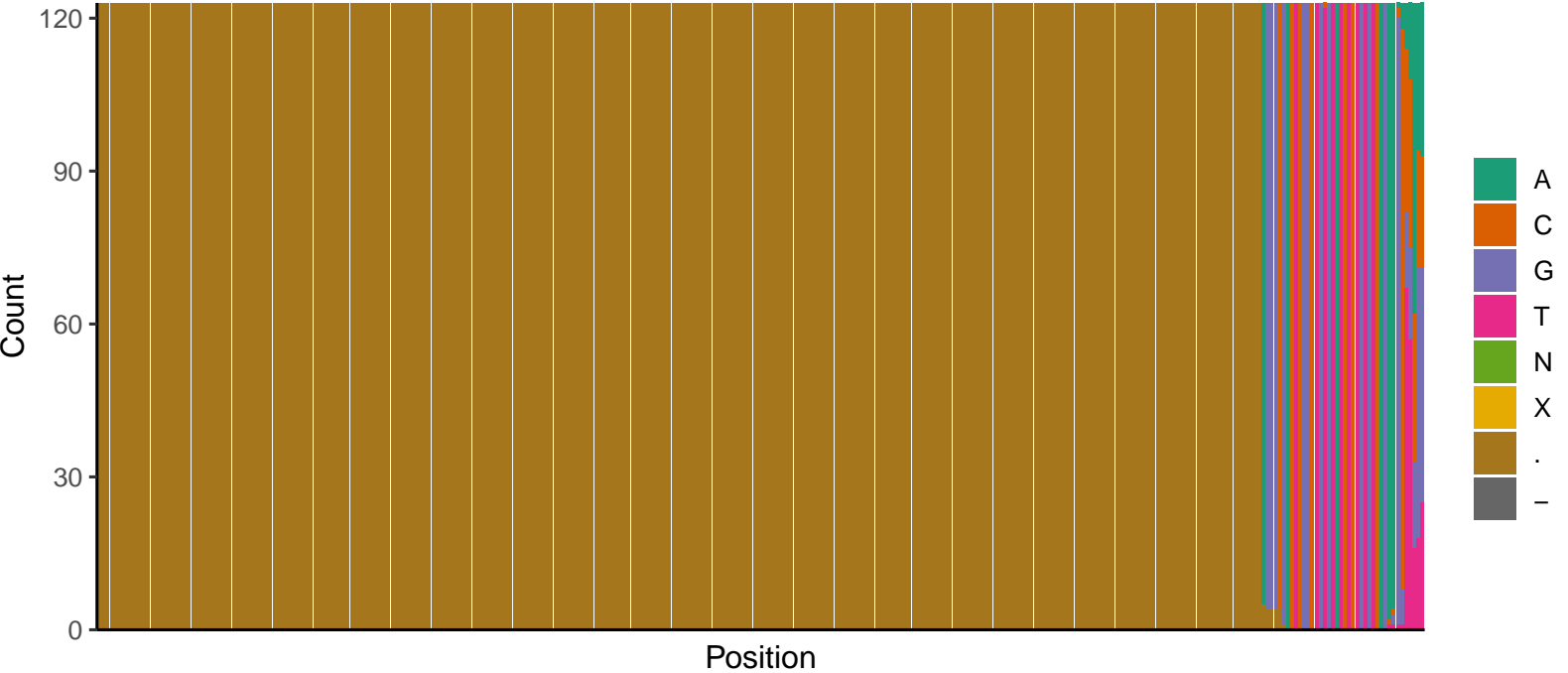
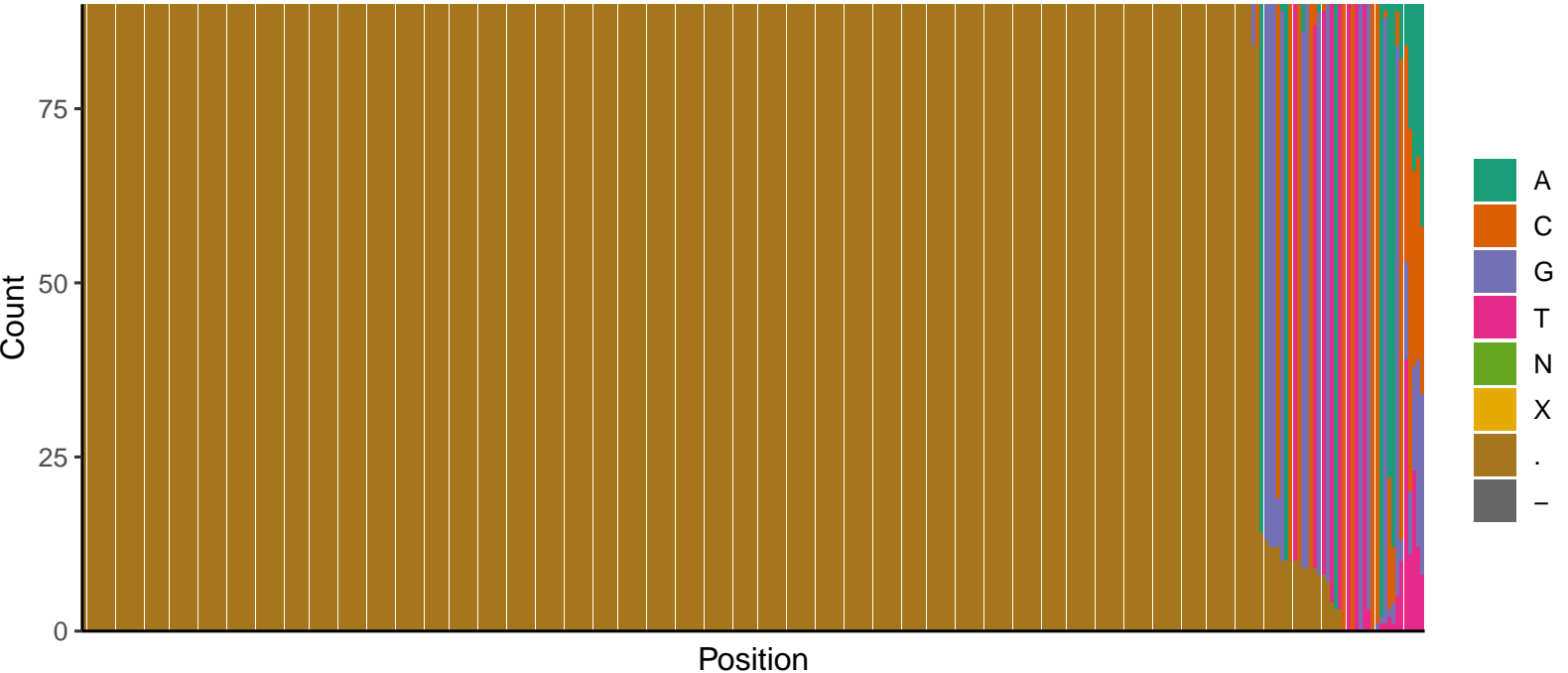


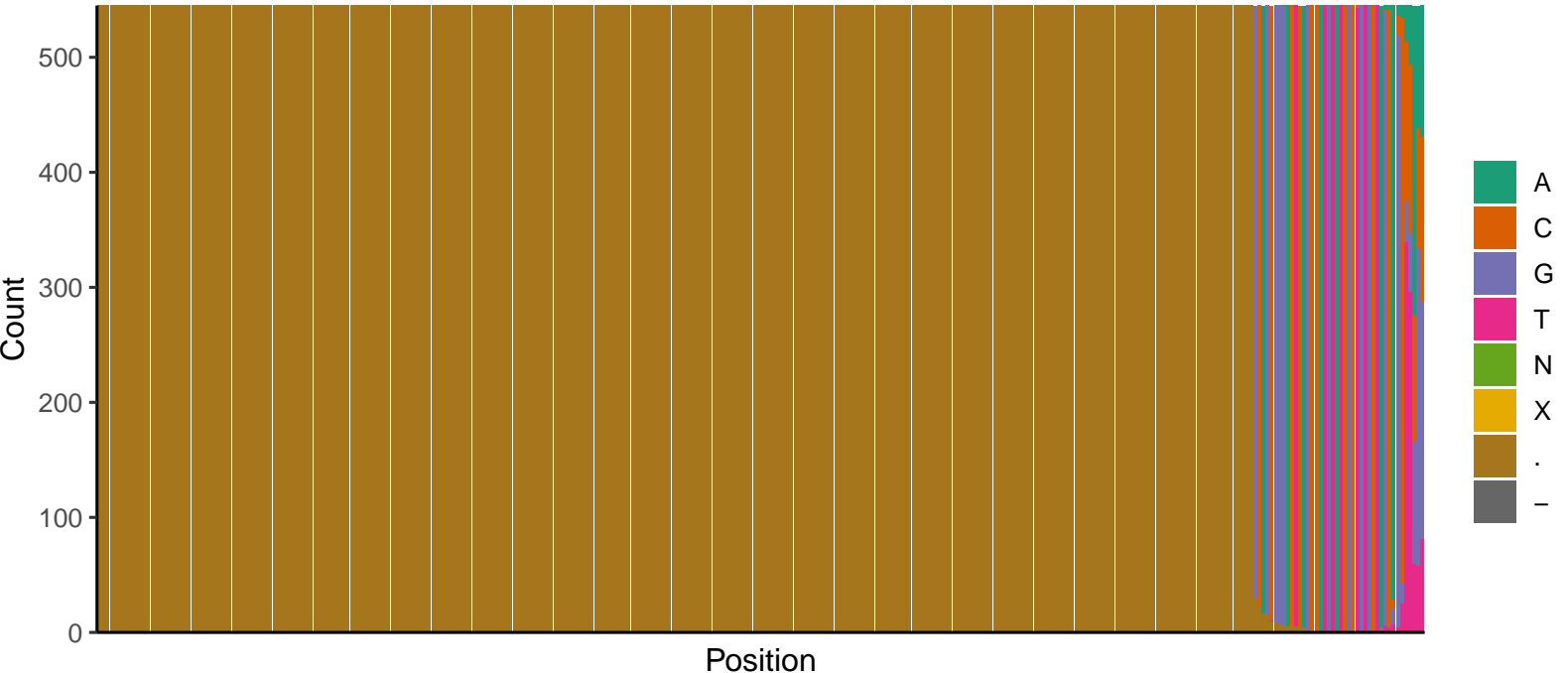
Gene TRBV7-1*ap01_T296C_C314T



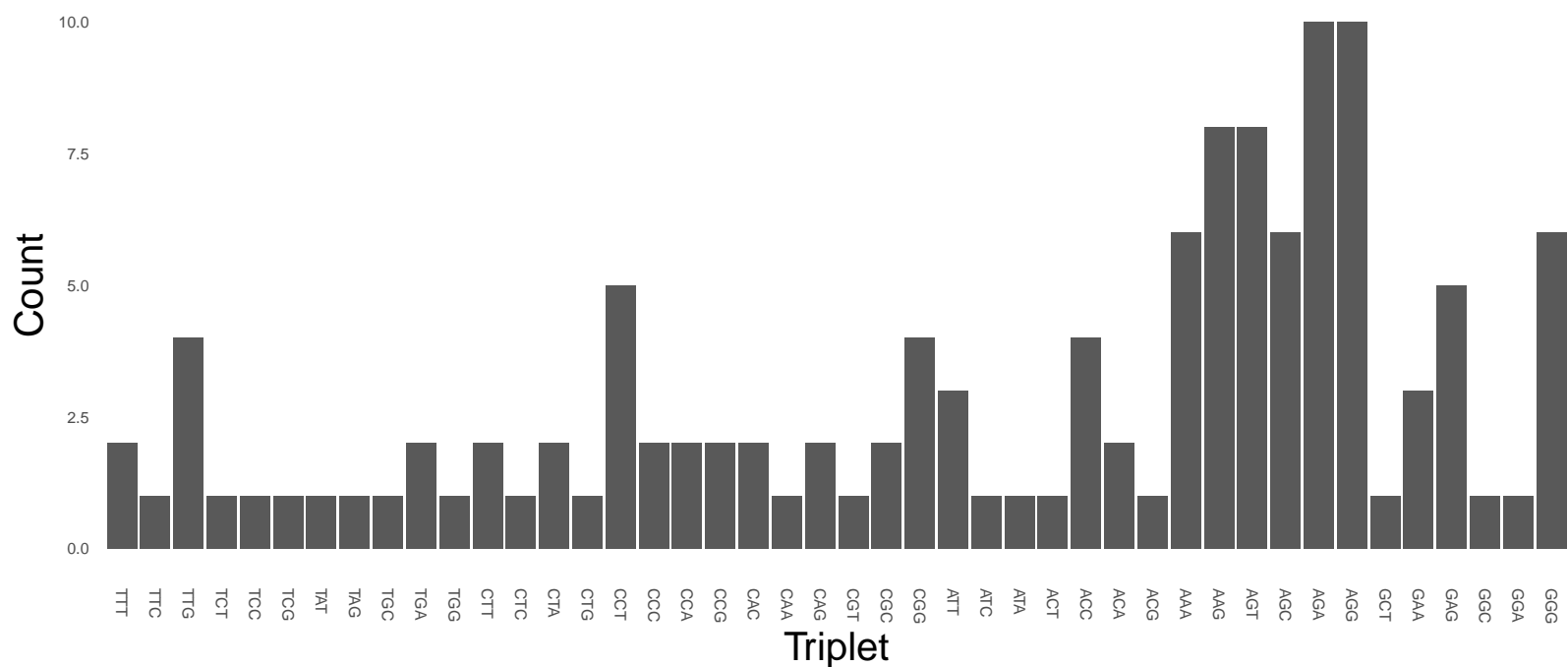
Gene TRBV7-1*ap01_T296C



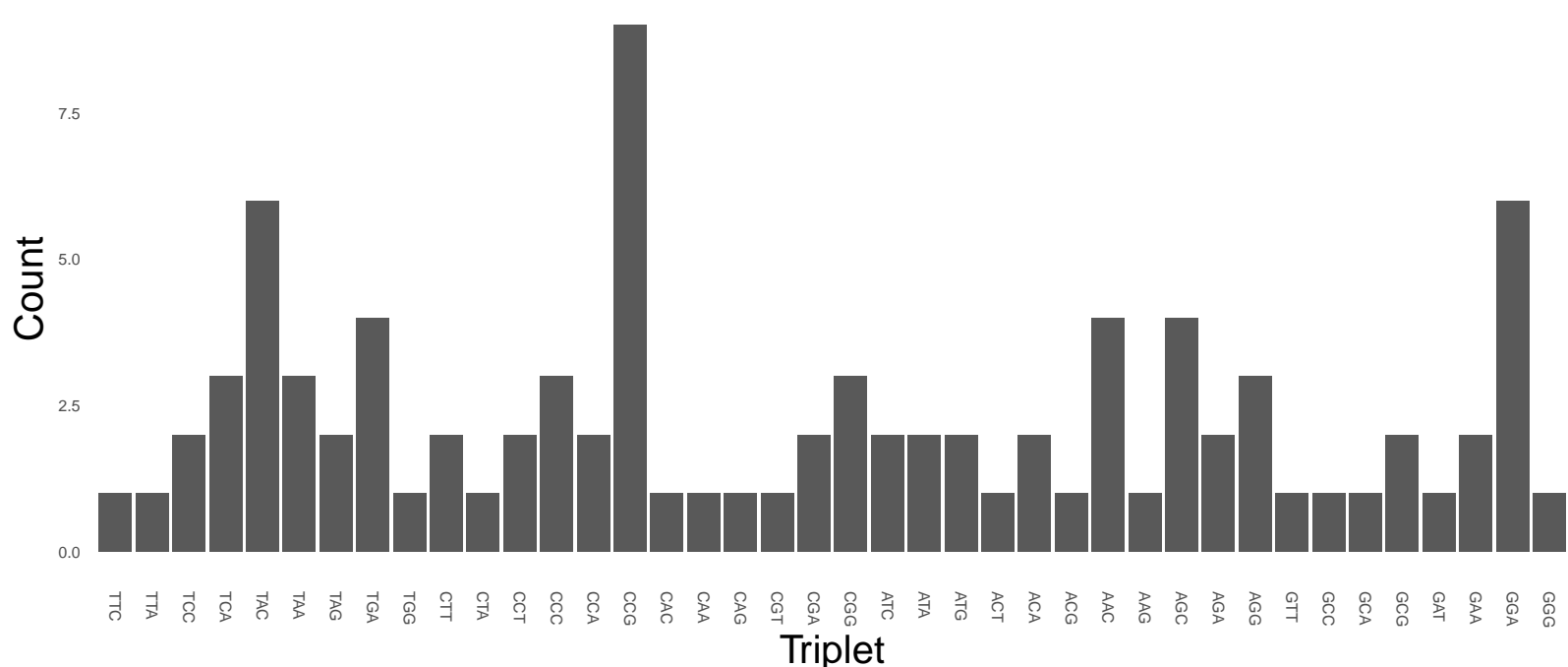
Gene TRBV7-7*ap01_C315T



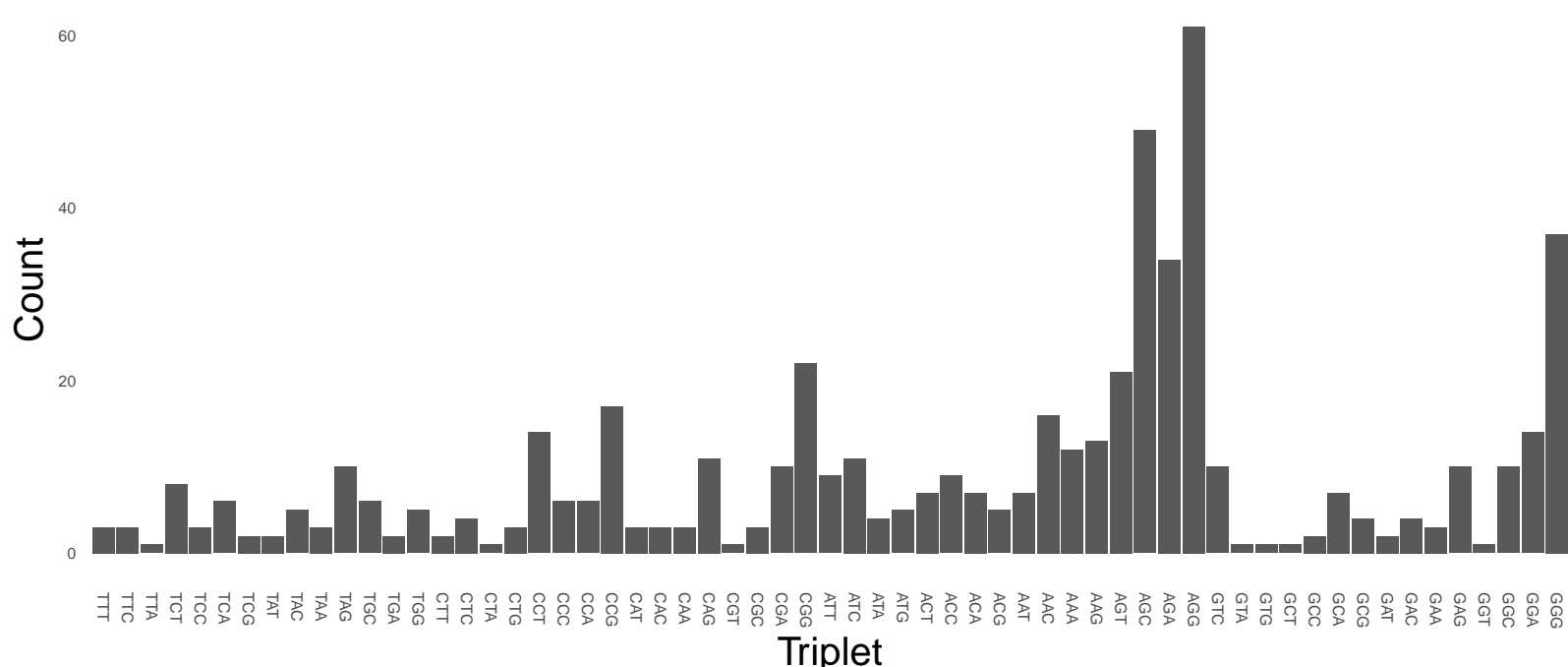
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

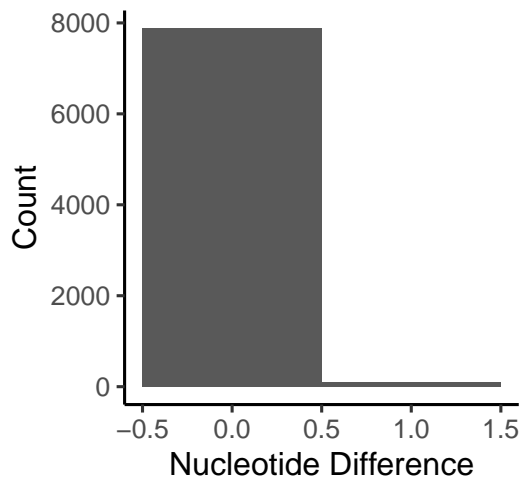


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



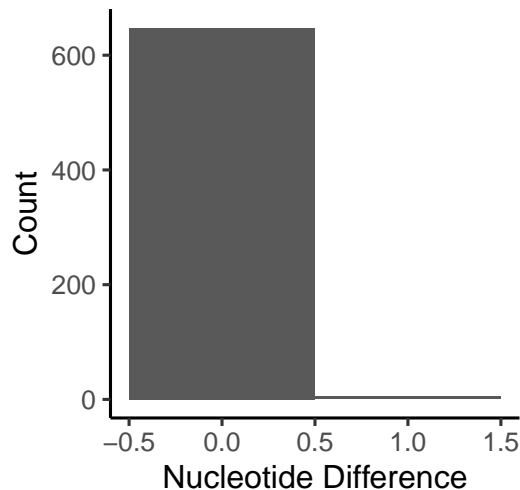
TRBV20-1*ap01

7981 sequences assigned
7879 (98.7%) exact matches, in which:
7673 unique CDR3
13 unique J



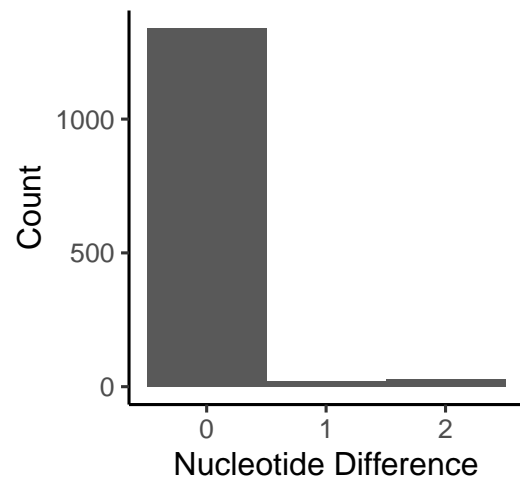
TRBV10-2*ap01

653 sequences assigned
648 (99.2%) exact matches, in which:
631 unique CDR3
13 unique J



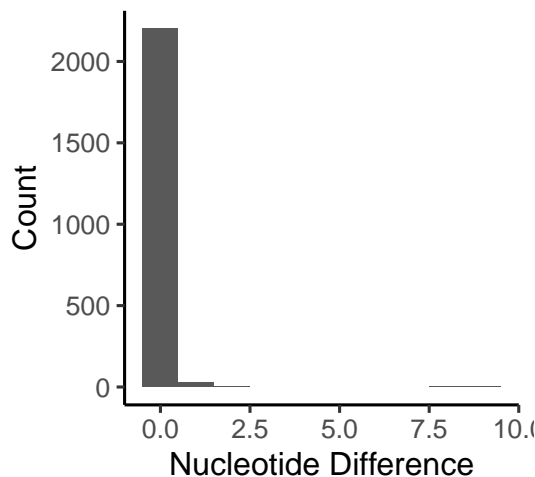
TRBV13*ap01

1385 sequences assigned
1339 (96.7%) exact matches, in which:
1298 unique CDR3
13 unique J



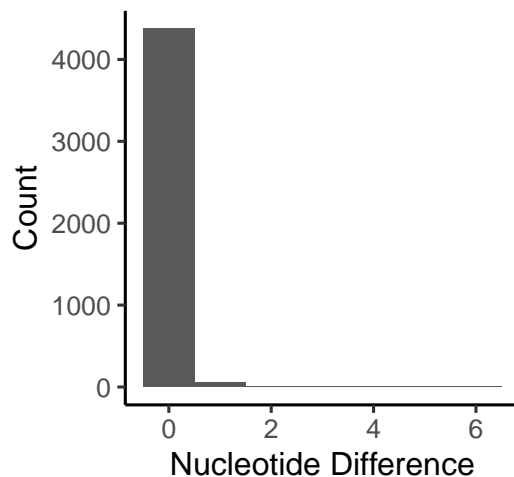
TRBV10-1*ap01

2235 sequences assigned
2201 (98.5%) exact matches, in which:
2135 unique CDR3
13 unique J



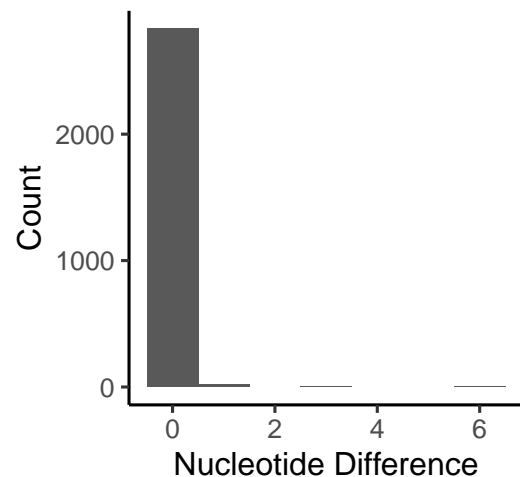
TRBV10-3*ap01

4440 sequences assigned
4375 (98.5%) exact matches, in which:
4262 unique CDR3
13 unique J



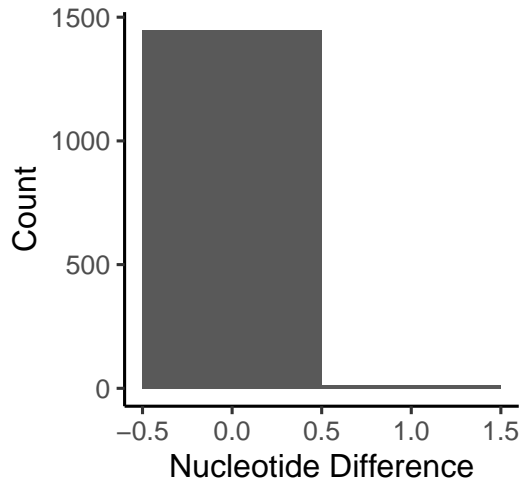
TRBV14*ap01

2858 sequences assigned
2834 (99.2%) exact matches, in which:
2780 unique CDR3
13 unique J



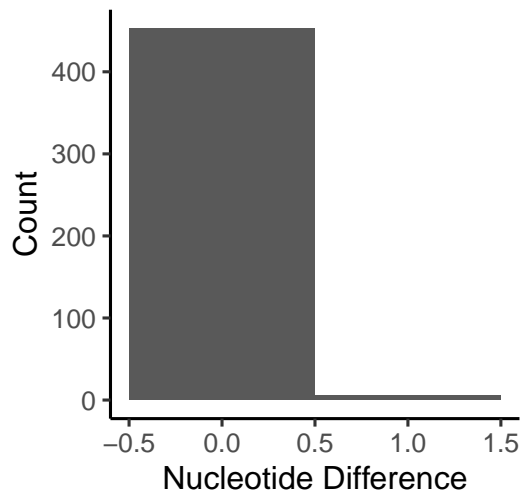
TRBV20-1*ap02

1461 sequences assigned
1448 (99.1%) exact matches, in which:
1418 unique CDR3
13 unique J



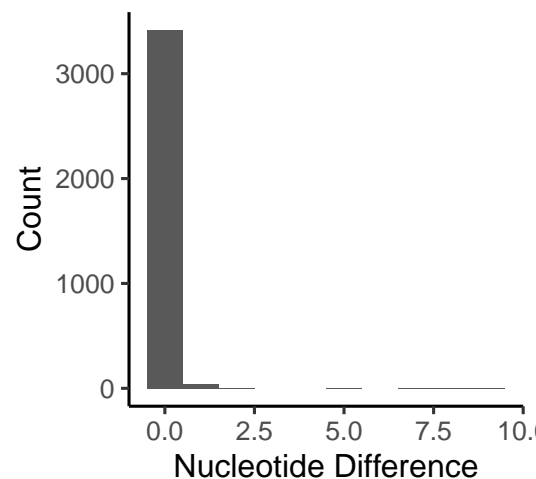
TRBV1*ap01

458 sequences assigned
453 (98.9%) exact matches, in which:
439 unique CDR3
13 unique J



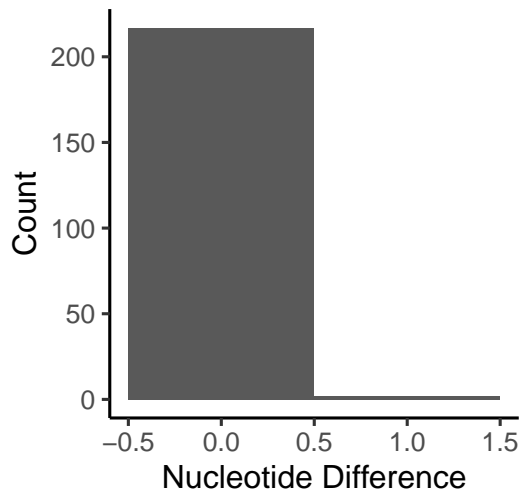
TRBV15*ap02

3464 sequences assigned
3416 (98.6%) exact matches, in which:
3318 unique CDR3
13 unique J



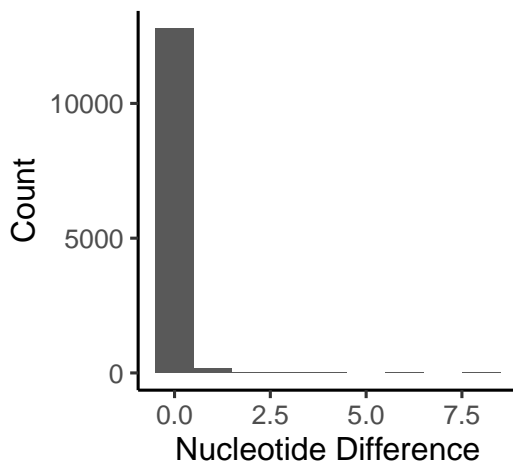
TRBV16*ap01

219 sequences assigned
217 (99.1%) exact matches, in which:
215 unique CDR3
13 unique J



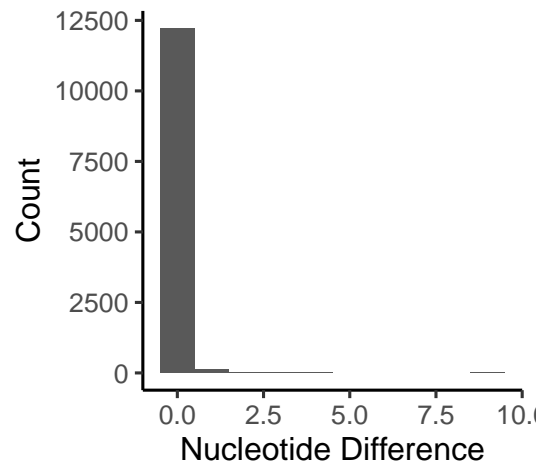
TRBV19*ap01

12980 sequences assigned
12793 (98.6%) exact matches, in which:
12594 unique CDR3
13 unique J



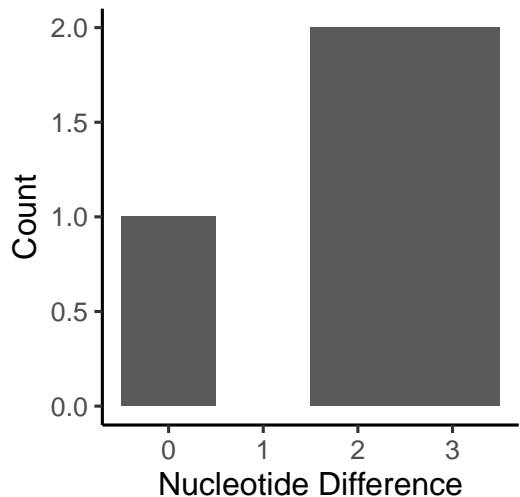
TRBV27*ap01

12378 sequences assigned
12225 (98.8%) exact matches, in which:
11888 unique CDR3
13 unique J



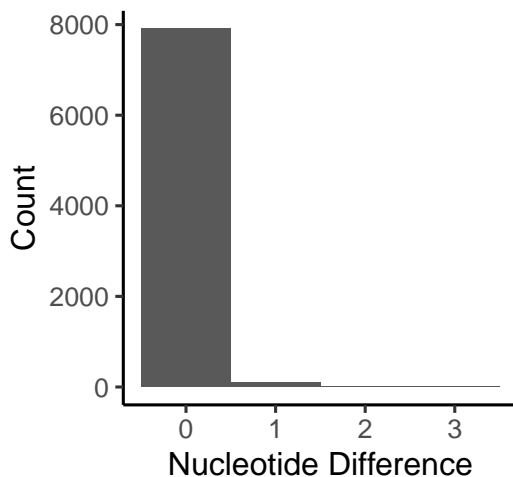
TRBV17*ap01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



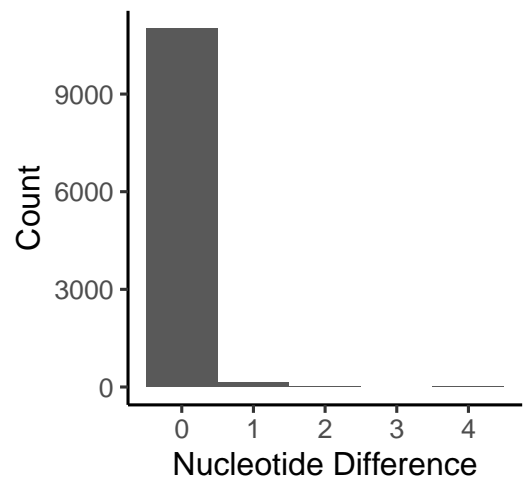
TRBV2*ap01

8017 sequences assigned
7909 (98.7%) exact matches, in which:
7717 unique CDR3
13 unique J



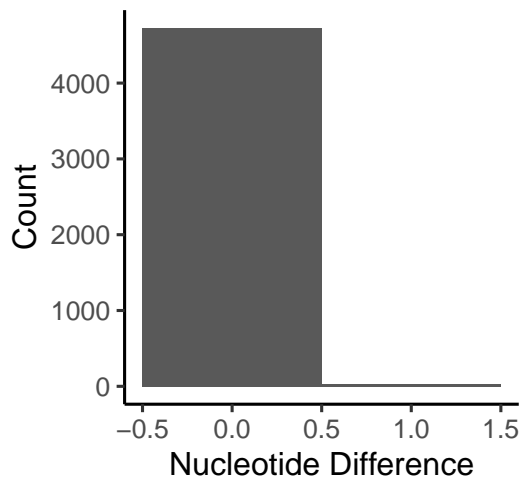
TRBV28*ap01

11147 sequences assigned
11007 (98.7%) exact matches, in which:
10722 unique CDR3
13 unique J



TRBV18*ap01

4757 sequences assigned
4726 (99.3%) exact matches, in which:
4639 unique CDR3
13 unique J



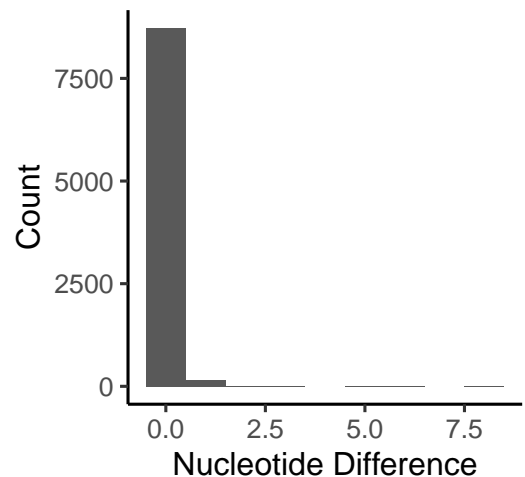
TRBV26*ap01

1 sequences assigned
No exact matches.



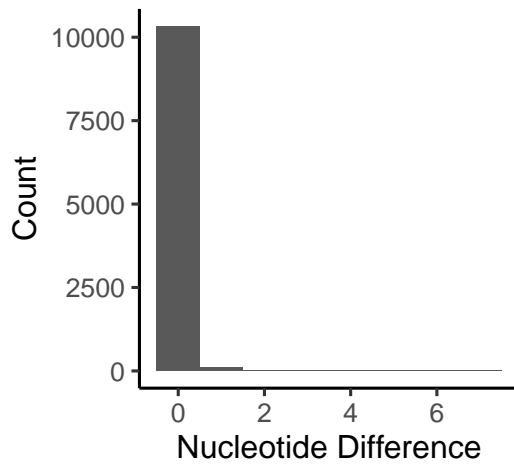
TRBV30*ap01

8908 sequences assigned
8726 (98%) exact matches, in which:
8588 unique CDR3
13 unique J



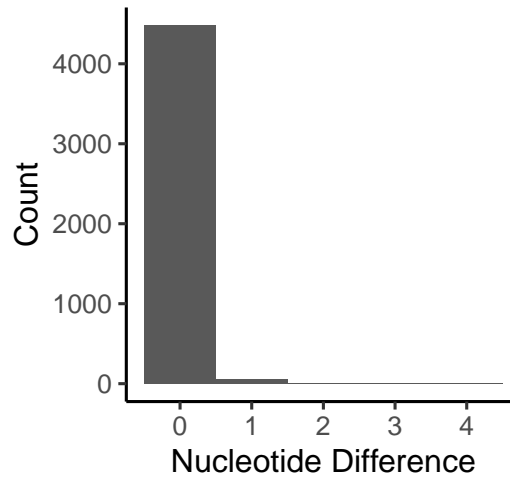
TRBV9*ap01

10462 sequences assigned
10332 (98.8%) exact matches, in which:
10109 unique CDR3
13 unique J



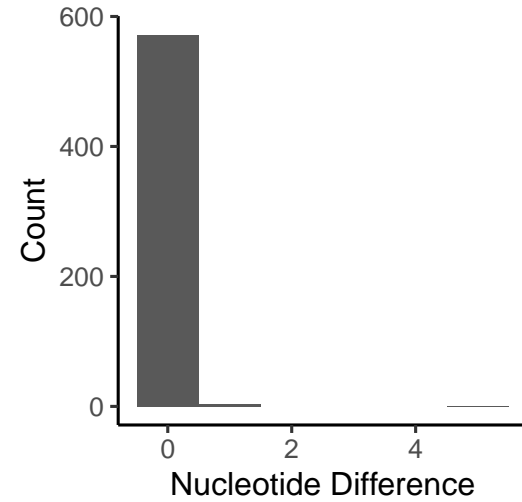
TRBV11-2*ap01

4542 sequences assigned
4480 (98.6%) exact matches, in which:
4359 unique CDR3
13 unique J



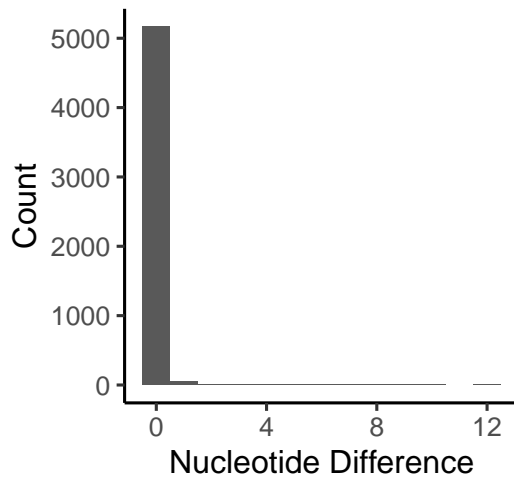
TRBV12-2*ap01

577 sequences assigned
572 (99.1%) exact matches, in which:
557 unique CDR3
13 unique J



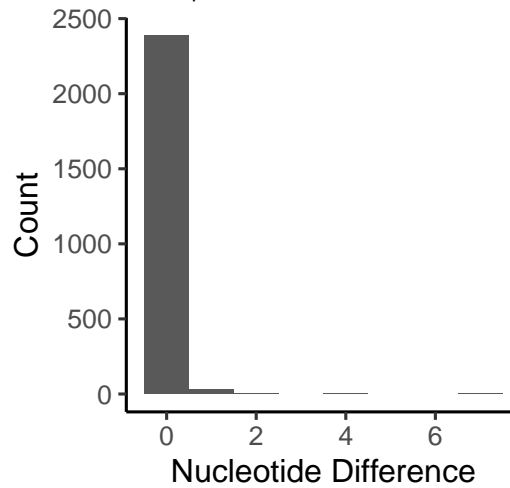
TRBV21-1*ap01

5248 sequences assigned
5166 (98.4%) exact matches, in which:
5043 unique CDR3
13 unique J



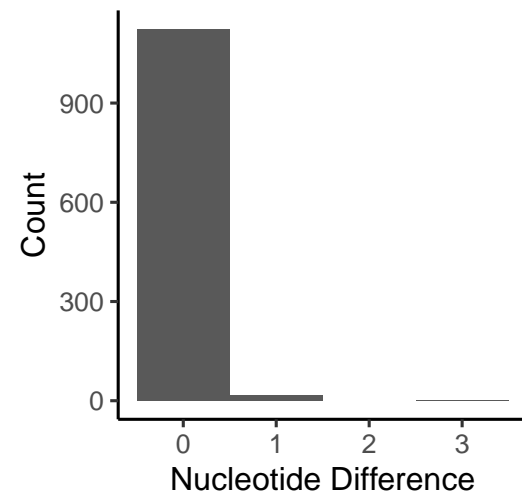
TRBV11-3*ap01

2417 sequences assigned
2386 (98.7%) exact matches, in which:
2335 unique CDR3
13 unique J



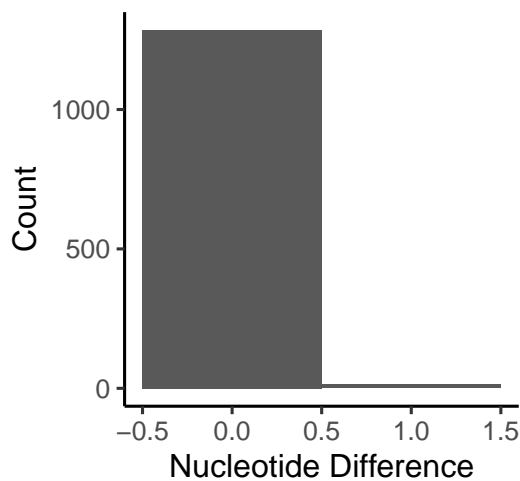
TRBV12-5*ap01

1142 sequences assigned
1124 (98.4%) exact matches, in which:
1100 unique CDR3
13 unique J



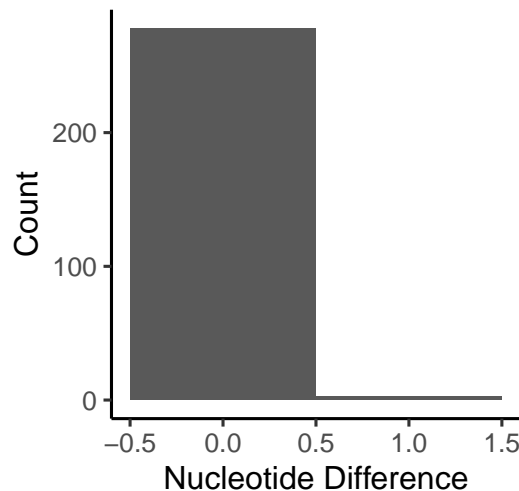
TRBV11-1*ap01

1299 sequences assigned
1285 (98.9%) exact matches, in which:
1252 unique CDR3
13 unique J



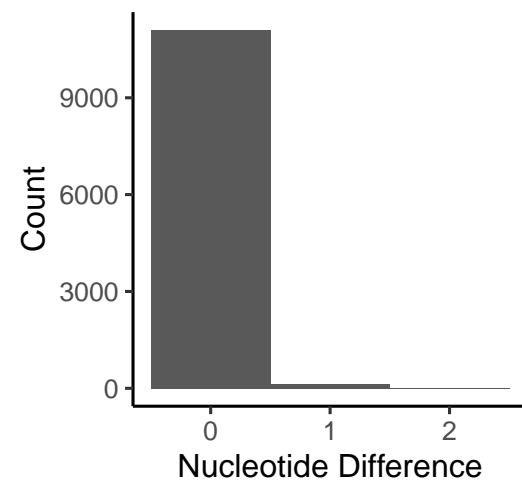
TRBV12-1*ap01

281 sequences assigned
278 (98.9%) exact matches, in which:
275 unique CDR3
13 unique J



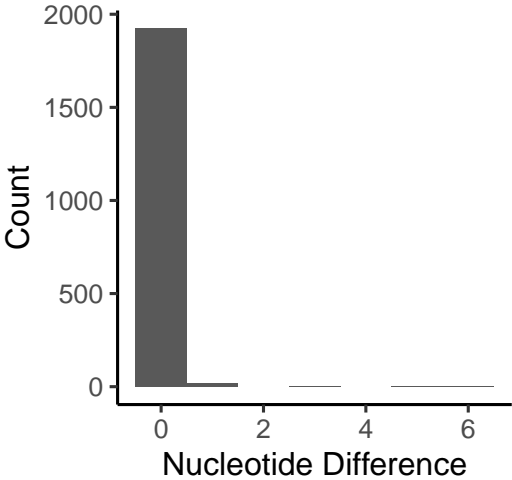
TRBV12-34*ap01

11250 sequences assigned
11098 (98.6%) exact matches, in which:
10863 unique CDR3
13 unique J



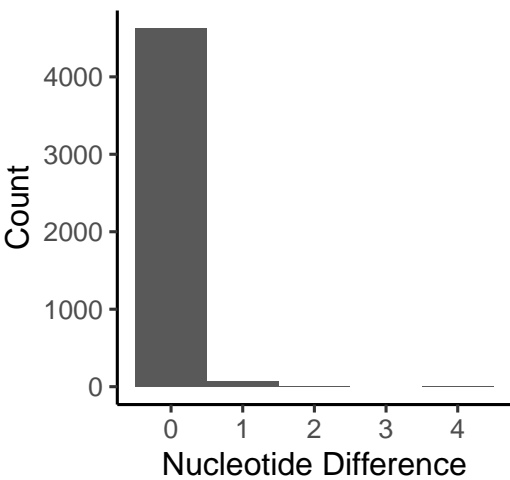
TRBV23-1*ap01

1951 sequences assigned
1924 (98.6%) exact matches, in which:
1867 unique CDR3
13 unique J



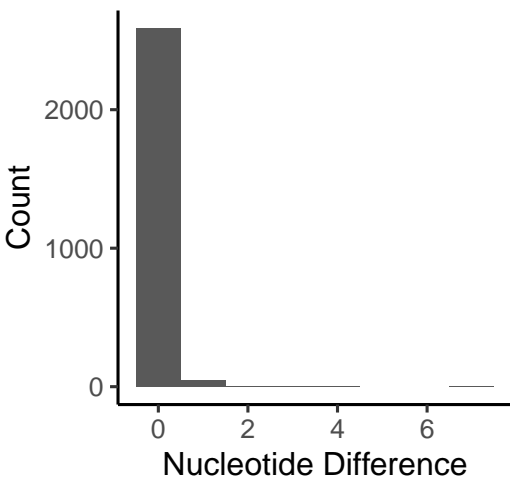
TRBV24-1*ap01

4696 sequences assigned
4625 (98.5%) exact matches, in which:
4526 unique CDR3
13 unique J



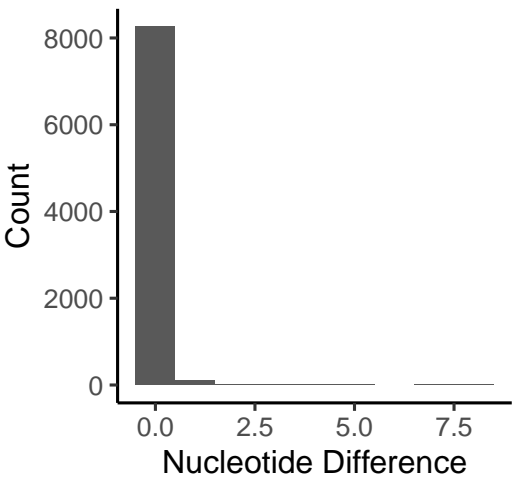
TRBV25-1*ap01

2638 sequences assigned
2587 (98.1%) exact matches, in which:
2544 unique CDR3
13 unique J



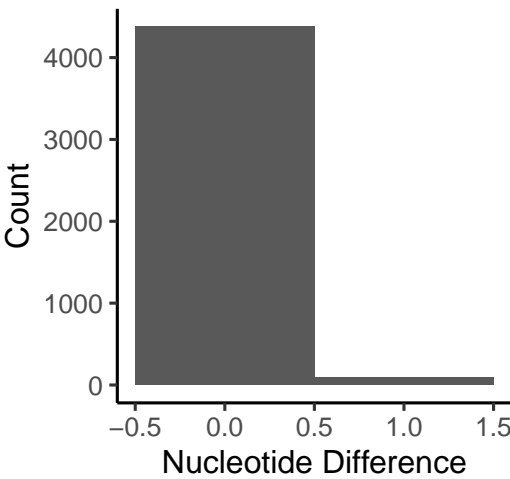
TRBV3-12*ap01

8384 sequences assigned
8259 (98.5%) exact matches, in which:
8035 unique CDR3
13 unique J



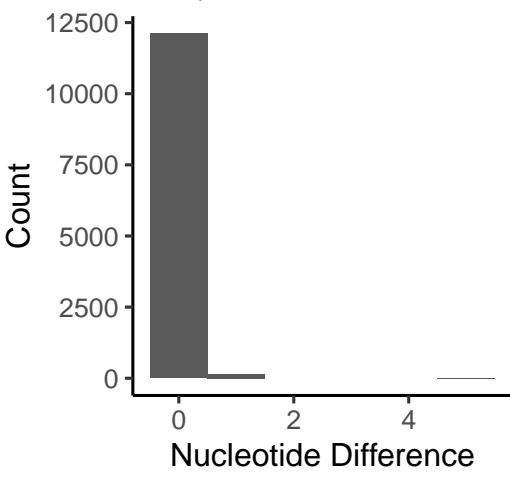
TRBV4-2*ap01

4467 sequences assigned
4377 (98%) exact matches, in which:
4277 unique CDR3
13 unique J



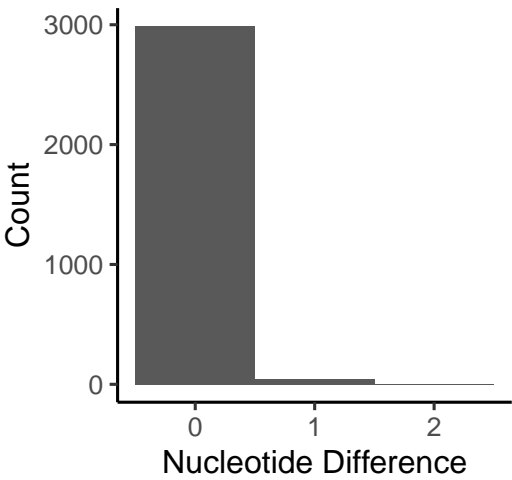
TRBV5-1*ap01

12266 sequences assigned
12117 (98.8%) exact matches, in which:
11768 unique CDR3
13 unique J



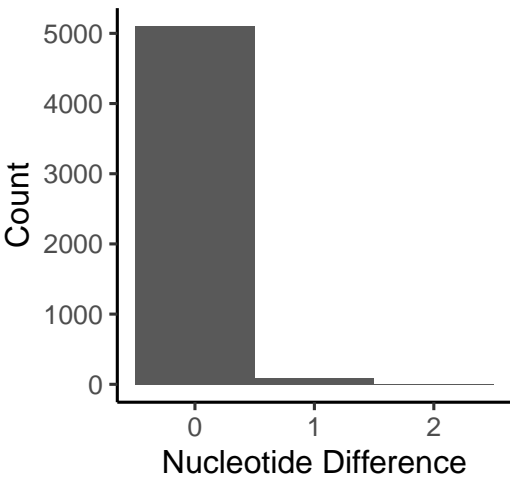
TRBV4-1*ap01

3037 sequences assigned
2989 (98.4%) exact matches, in which:
2914 unique CDR3
13 unique J



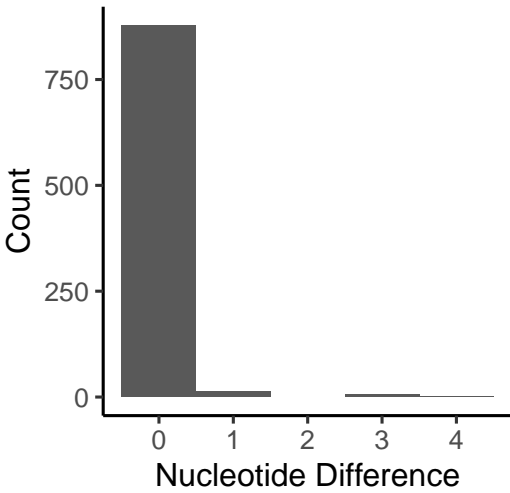
TRBV4-3*ap01

5196 sequences assigned
5104 (98.2%) exact matches, in which:
4971 unique CDR3
13 unique J



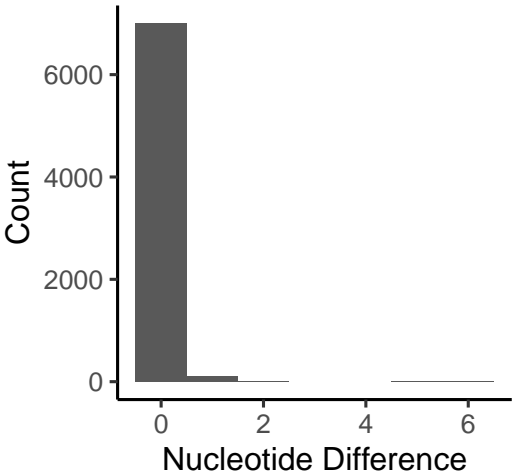
TRBV5-3*ap01

898 sequences assigned
878 (97.8%) exact matches, in which:
858 unique CDR3
13 unique J



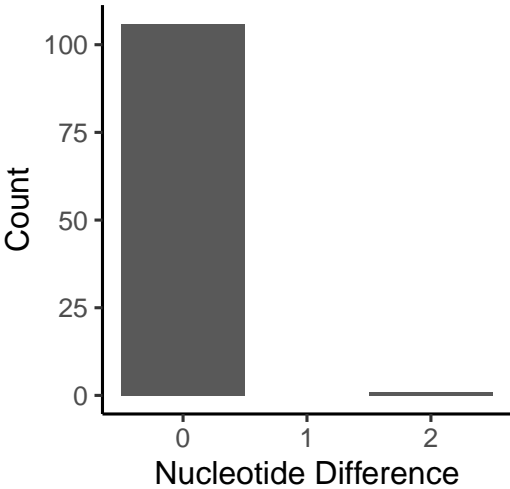
TRBV5-4*ap01

7110 sequences assigned
7001 (98.5%) exact matches, in which:
6813 unique CDR3
13 unique J



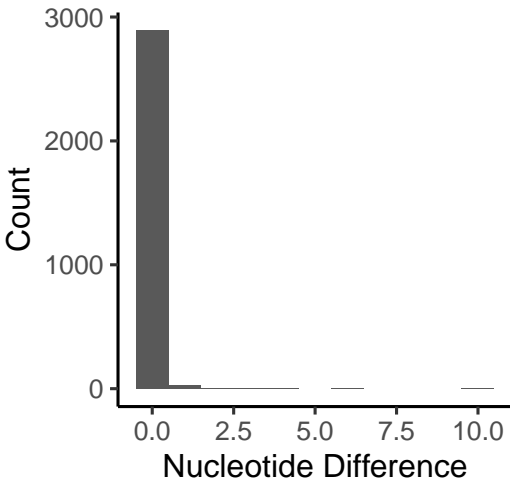
TRBV5-7*ap01

107 sequences assigned
106 (99.1%) exact matches, in which:
105 unique CDR3
13 unique J



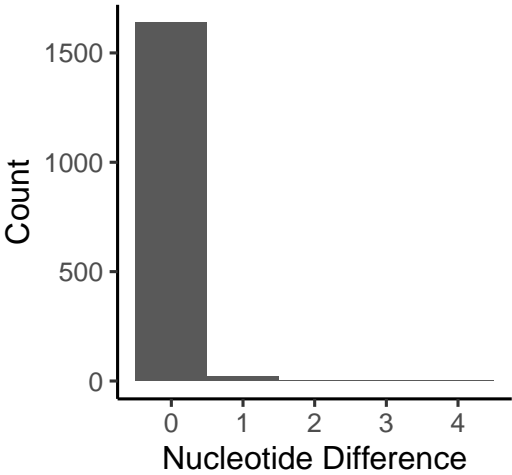
TRBV6-4*ap01

2933 sequences assigned
2892 (98.6%) exact matches, in which:
2829 unique CDR3
13 unique J



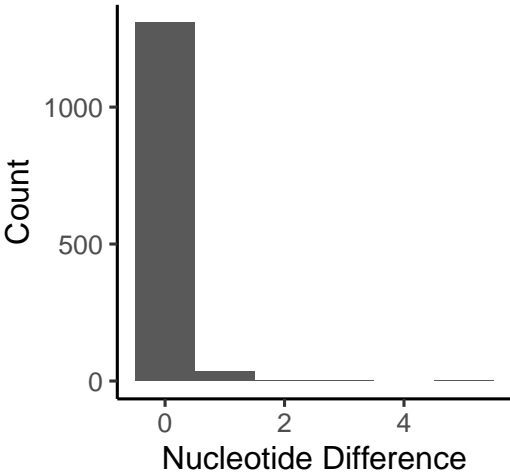
TRBV5-5*ap01

1661 sequences assigned
1638 (98.6%) exact matches, in which:
1617 unique CDR3
13 unique J



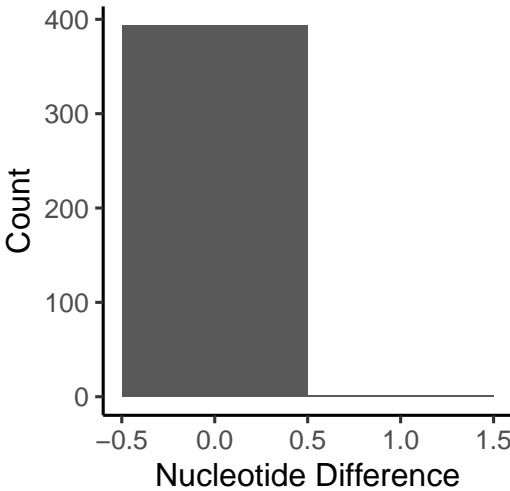
TRBV5-8*ap01

1346 sequences assigned
1308 (97.2%) exact matches, in which:
1284 unique CDR3
13 unique J



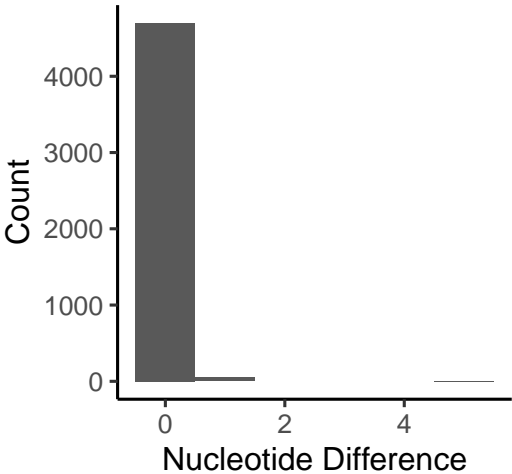
TRBV6-7*ap01

396 sequences assigned
394 (99.5%) exact matches, in which:
372 unique CDR3
13 unique J



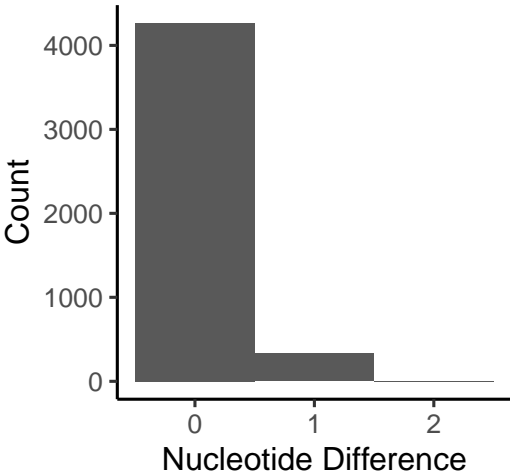
TRBV5-6*ap01

4751 sequences assigned
4698 (98.9%) exact matches, in which:
4566 unique CDR3
13 unique J



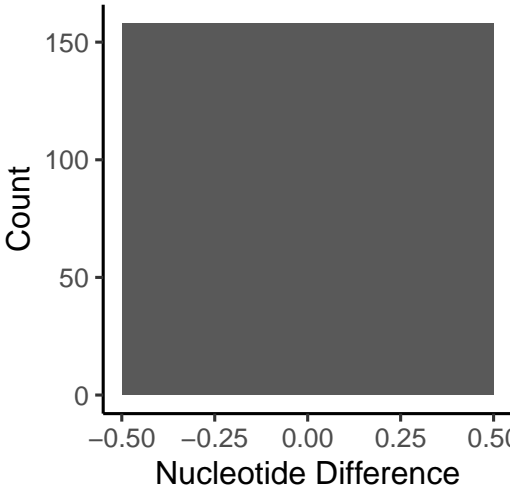
TRBV6-1*ap01

4599 sequences assigned
4266 (92.8%) exact matches, in which:
4164 unique CDR3
13 unique J



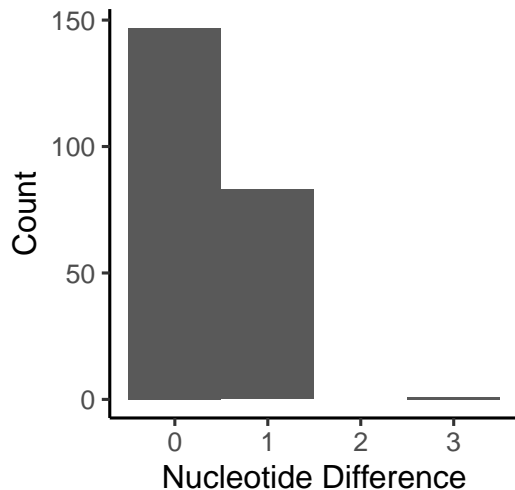
TRBV6-8*ap01

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



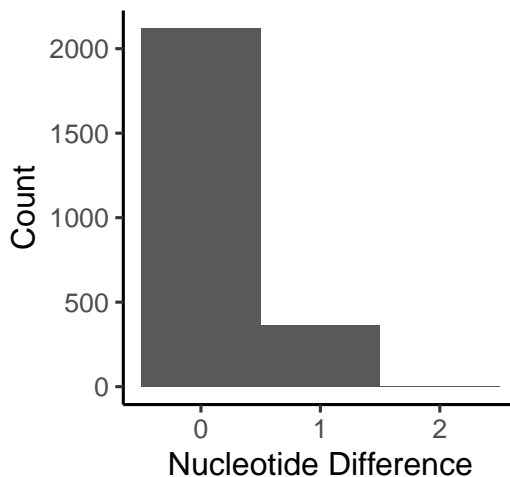
TRBV6-9*ap01

231 sequences assigned
147 (63.6%) exact matches, in which:
145 unique CDR3
13 unique J



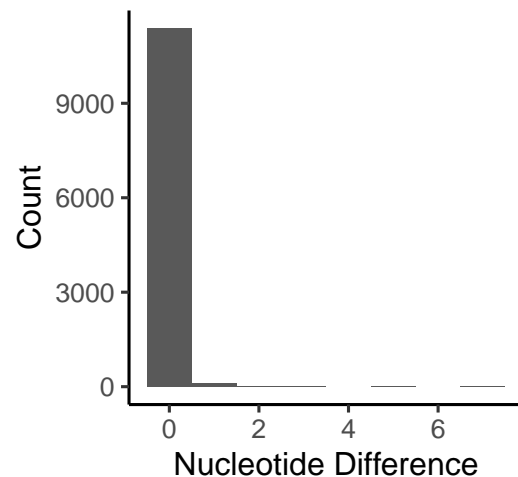
TRBV6-56*ap02

2489 sequences assigned
2120 (85.2%) exact matches, in which:
2067 unique CDR3
13 unique J



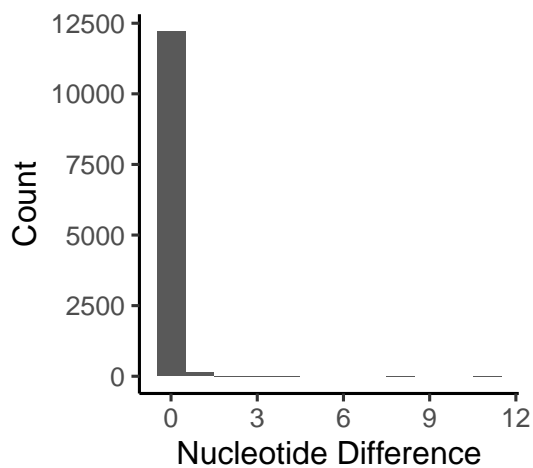
TRBV7-2*ap01

11505 sequences assigned
11378 (98.9%) exact matches, in which:
11095 unique CDR3
13 unique J



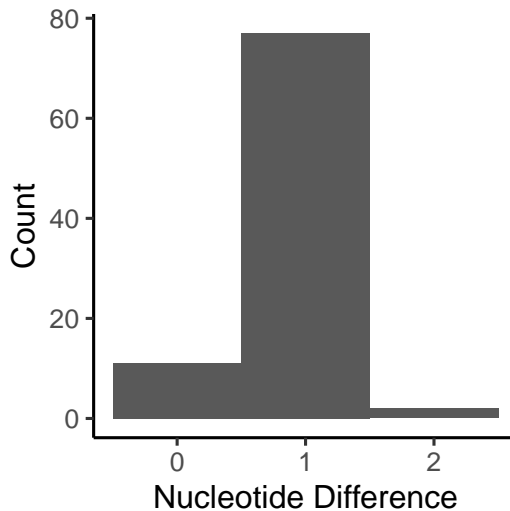
TRBV6-23*ap01

12361 sequences assigned
12208 (98.8%) exact matches, in which:
11850 unique CDR3
13 unique J



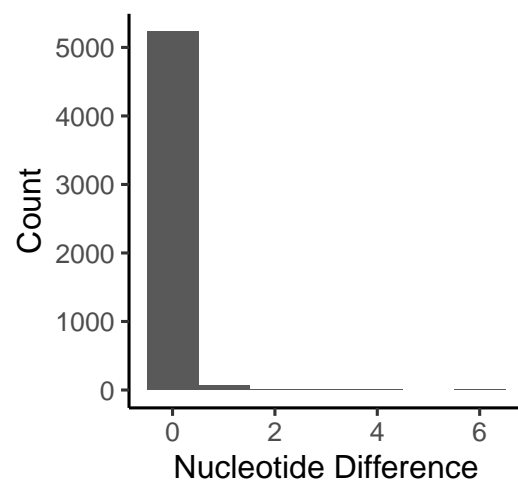
TRBV7-1*ap01_T296C

90 sequences assigned
11 (12.2%) exact matches, in which:
11 unique CDR3
7 unique J



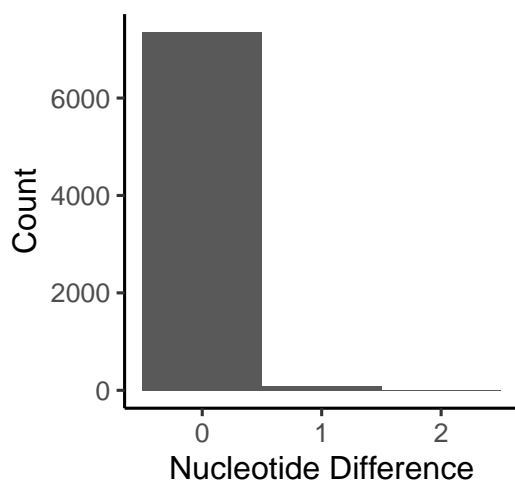
TRBV7-3*ap01

5300 sequences assigned
5229 (98.7%) exact matches, in which:
5133 unique CDR3
13 unique J



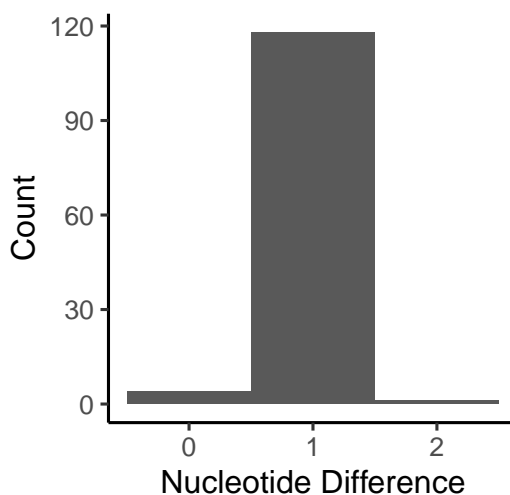
TRBV6-56*ap01

7447 sequences assigned
7355 (98.8%) exact matches, in which:
7134 unique CDR3
13 unique J



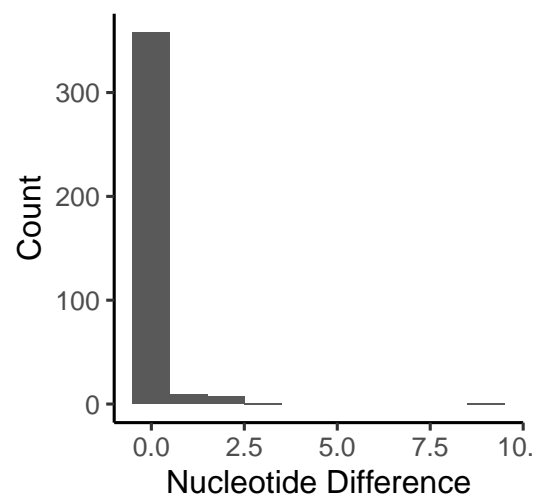
TRBV7-1*ap01_T296C_

123 sequences assigned
4 (3.3%) exact matches, in which:
4 unique CDR3
4 unique J



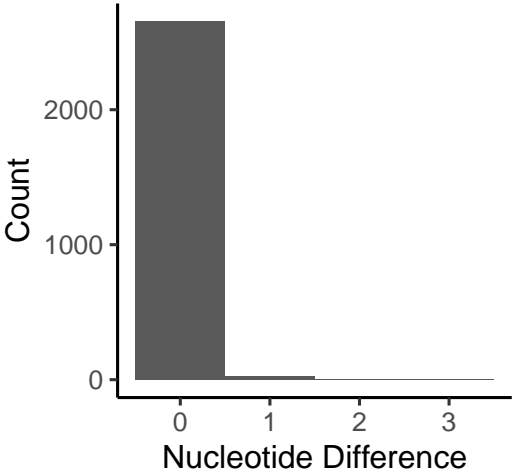
TRBV7-4*ap01

376 sequences assigned
358 (95.2%) exact matches, in which:
346 unique CDR3
13 unique J



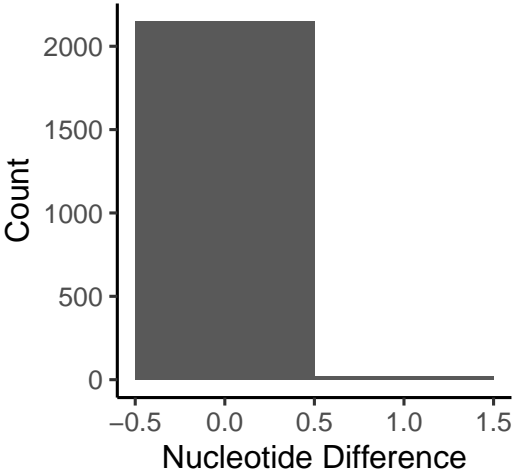
TRBV7-6*ap01

2683 sequences assigned
2654 (98.9%) exact matches, in which:
2584 unique CDR3
13 unique J



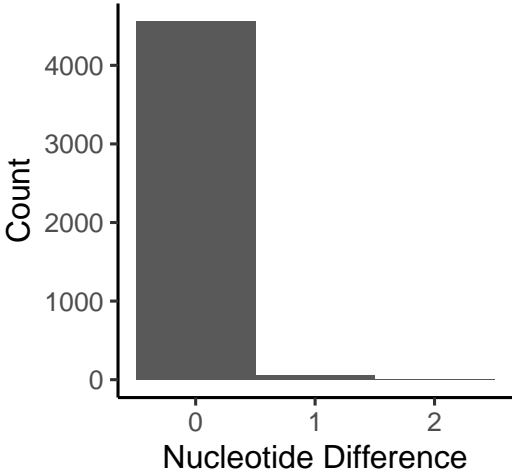
TRBV7-8*ap01

2171 sequences assigned
2149 (99%) exact matches, in which:
2070 unique CDR3
13 unique J



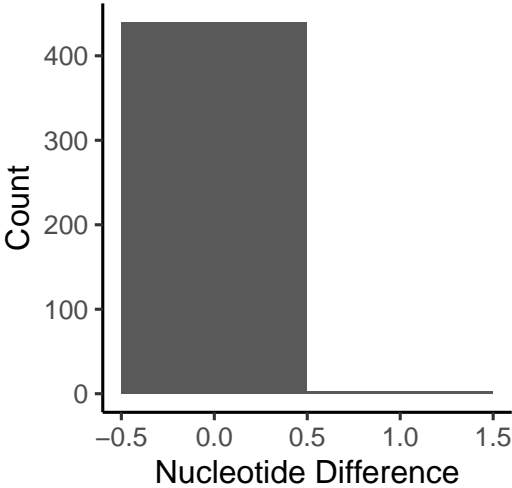
TRBV29-1*ap01

4615 sequences assigned
4559 (98.8%) exact matches, in which:
4449 unique CDR3
13 unique J



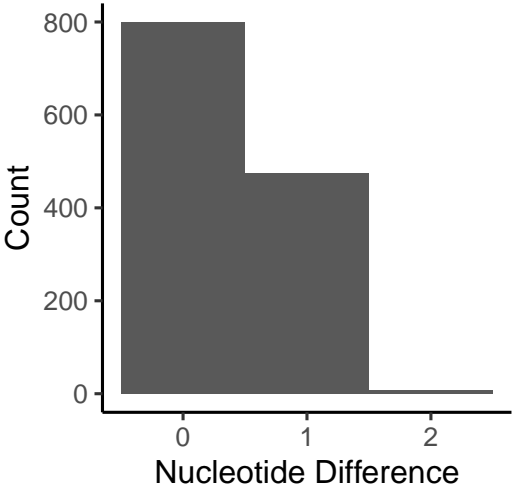
TRBV7-7*ap01

443 sequences assigned
440 (99.3%) exact matches, in which:
431 unique CDR3
13 unique J



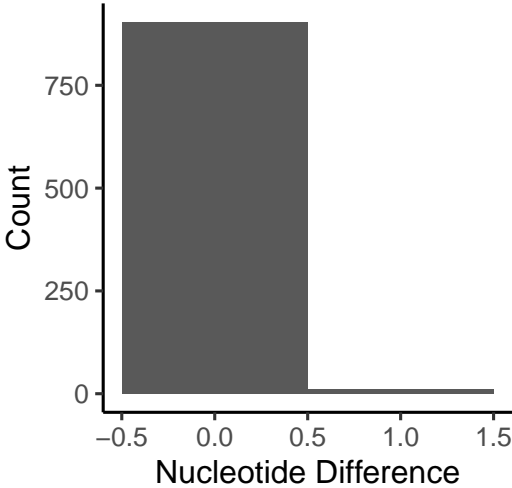
TRBV7-8*ap03

1281 sequences assigned
800 (62.5%) exact matches, in which:
777 unique CDR3
13 unique J



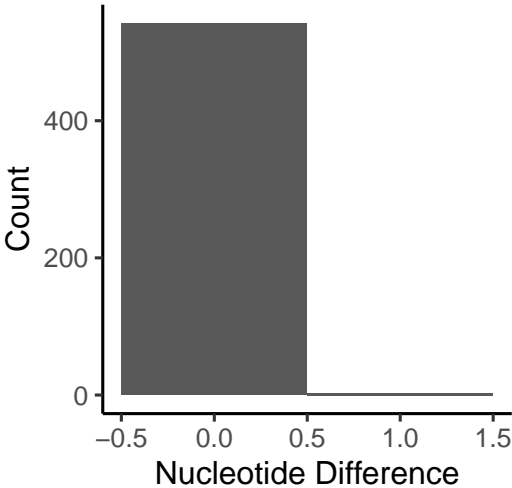
TRBV29-1*ap02

914 sequences assigned
904 (98.9%) exact matches, in which:
885 unique CDR3
13 unique J



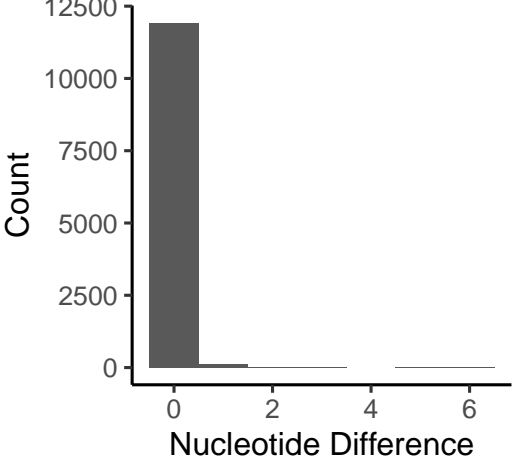
TRBV7-7*ap01_C315T

545 sequences assigned
542 (99.4%) exact matches, in which:
530 unique CDR3
13 unique J

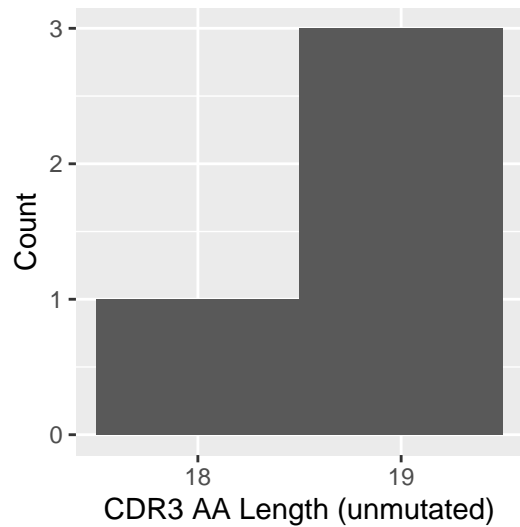


TRBV7-9*ap01

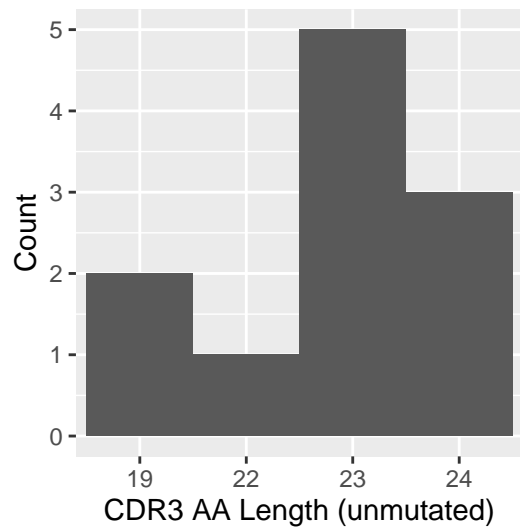
12037 sequences assigned
11925 (99.1%) exact matches, in which:
11724 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

