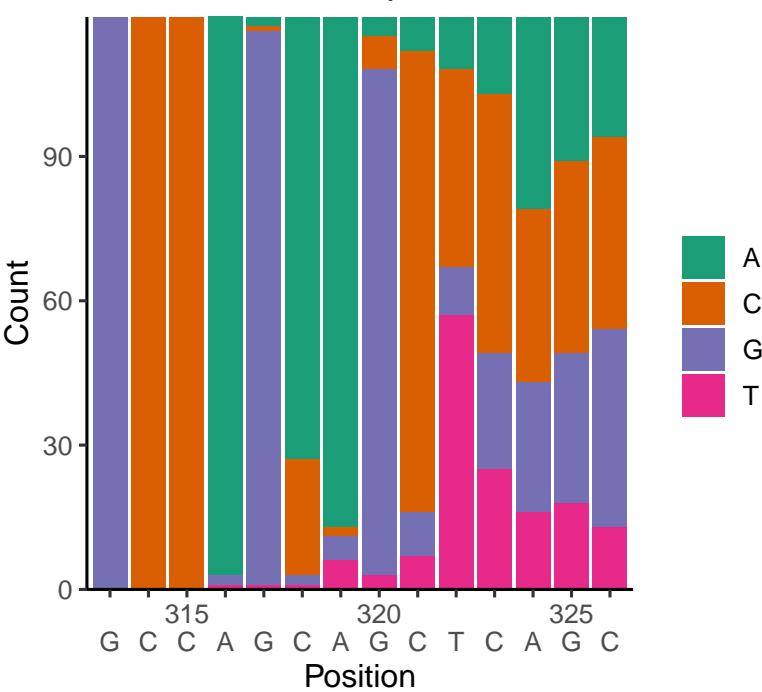
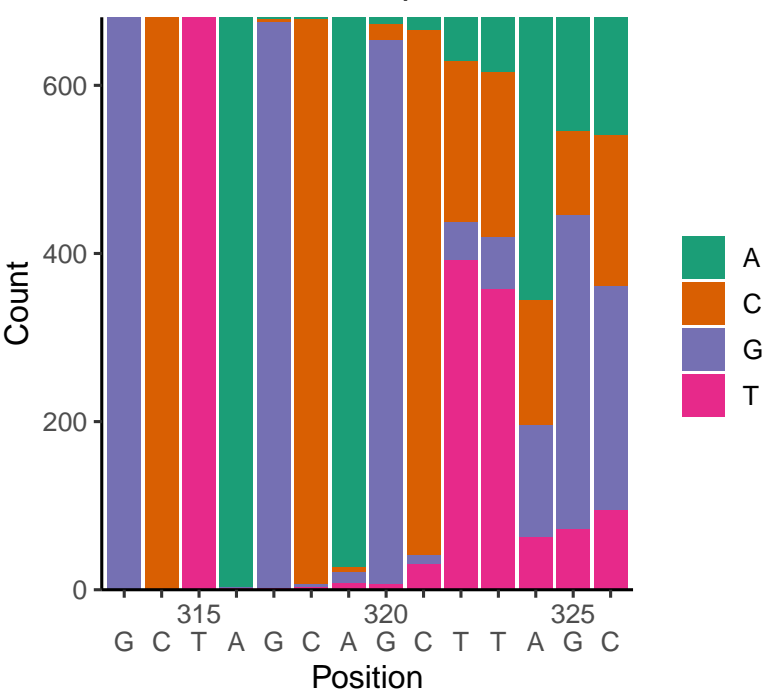


Gene TRBV7-1*ap01_T296C



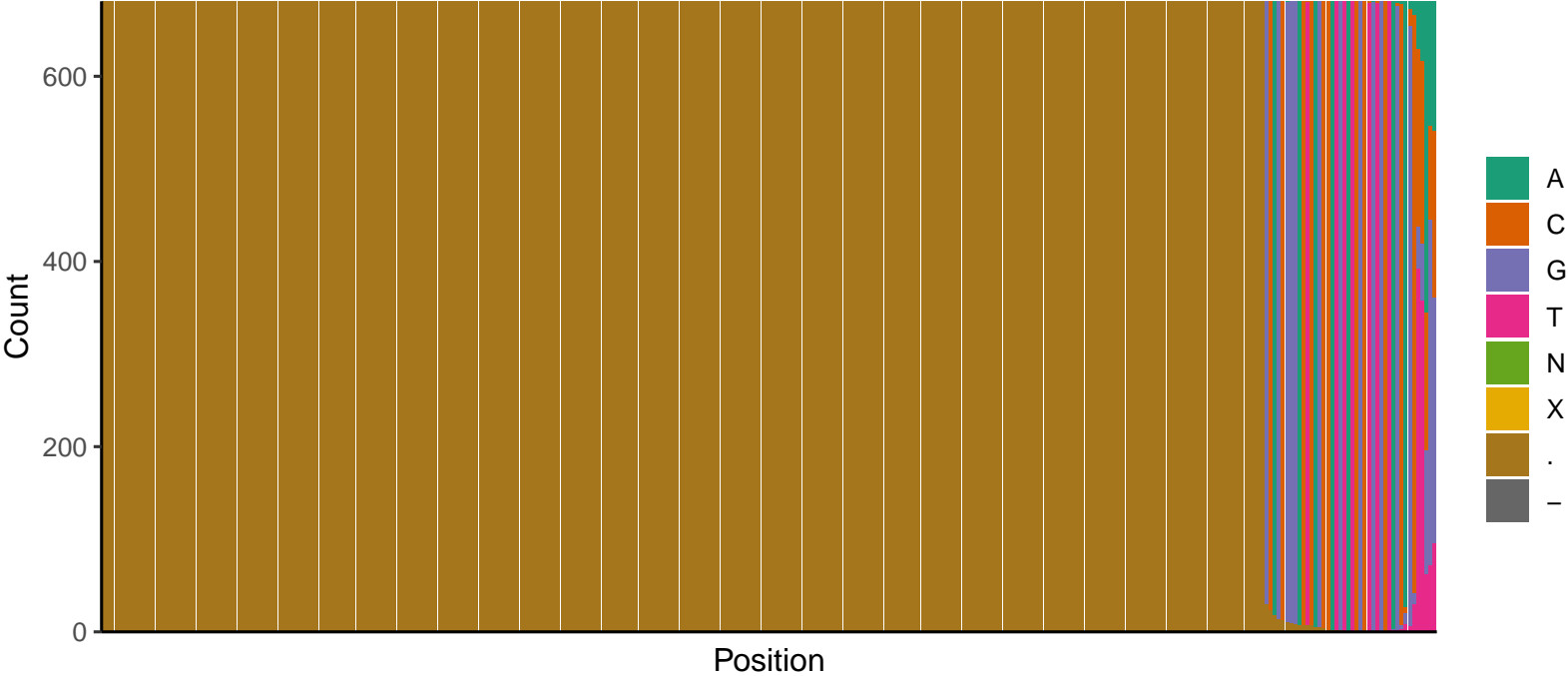
Gene TRBV7-7*ap01_C315T



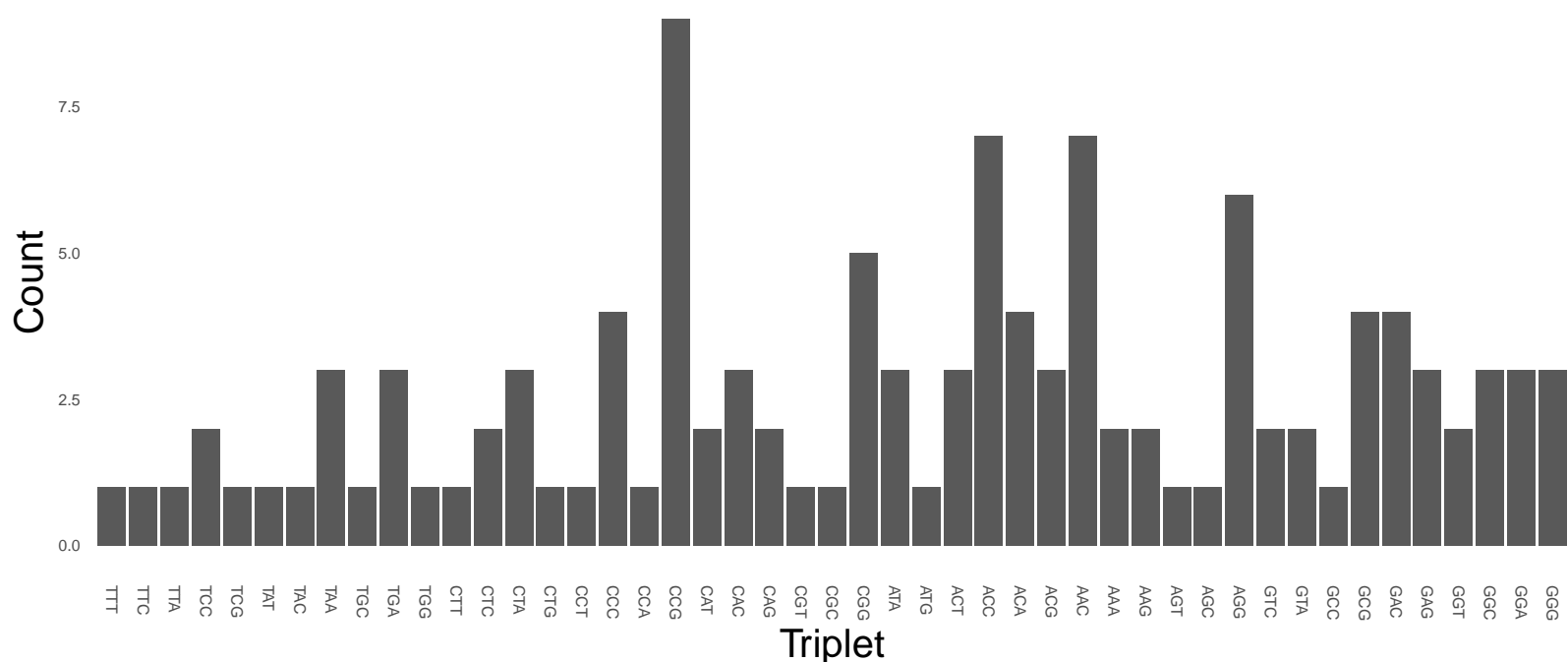
Gene TRBV7-1*ap01_T296C



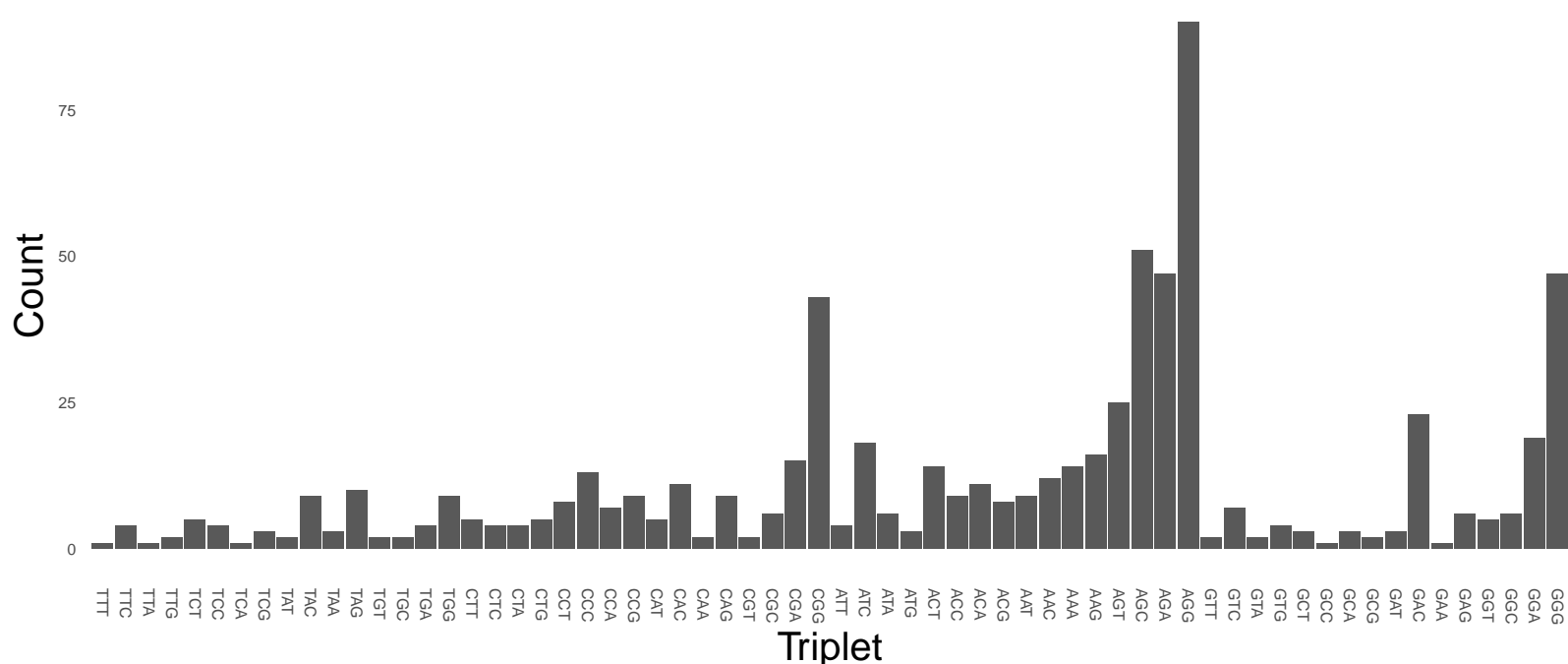
Gene TRBV7-7*ap01_C315T



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

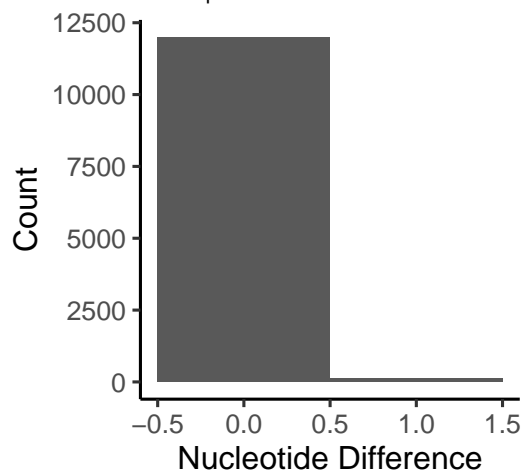


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



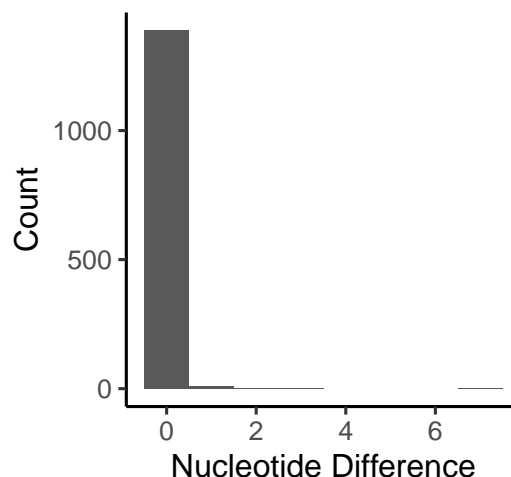
TRBV20-1*ap01

12130 sequences assigned
11998 (98.9%) exact matches, in which:
11850 unique CDR3
13 unique J



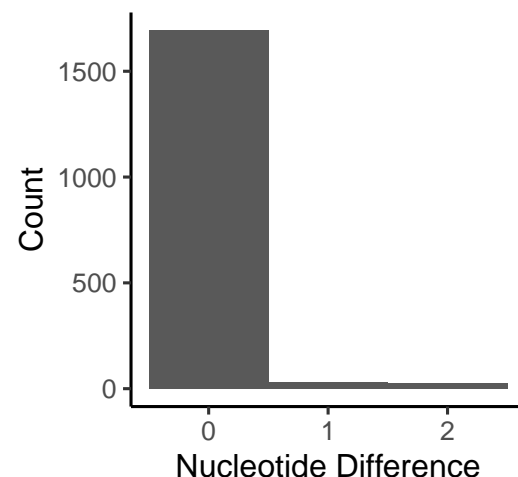
TRBV10-2*ap01

1400 sequences assigned
1388 (99.1%) exact matches, in which:
1362 unique CDR3
13 unique J



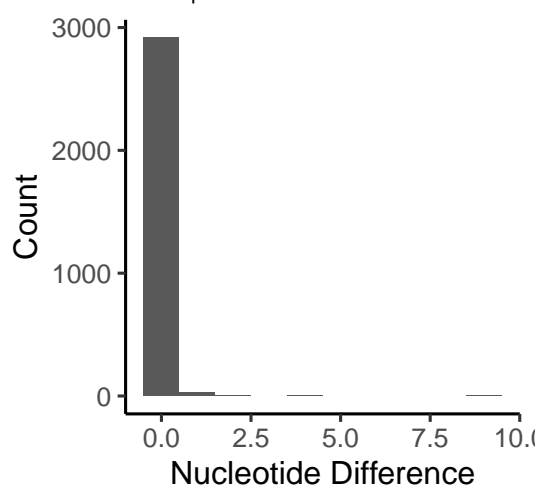
TRBV13*ap01

1753 sequences assigned
1693 (96.6%) exact matches, in which:
1660 unique CDR3
13 unique J



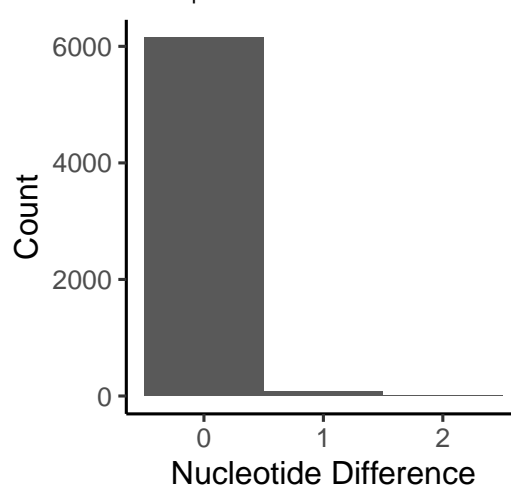
TRBV10-1*ap01

2949 sequences assigned
2917 (98.9%) exact matches, in which:
2863 unique CDR3
13 unique J



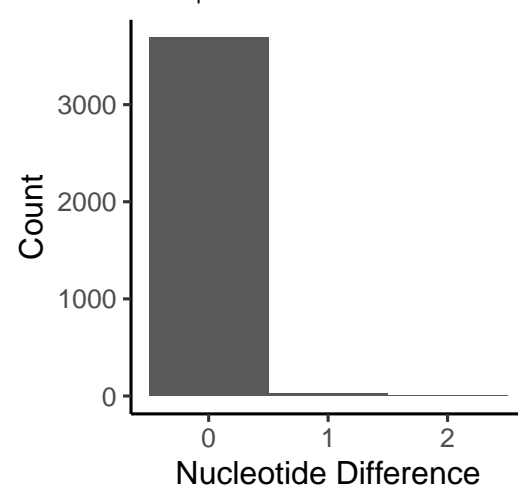
TRBV10-3*ap01

6226 sequences assigned
6148 (98.7%) exact matches, in which:
6024 unique CDR3
13 unique J



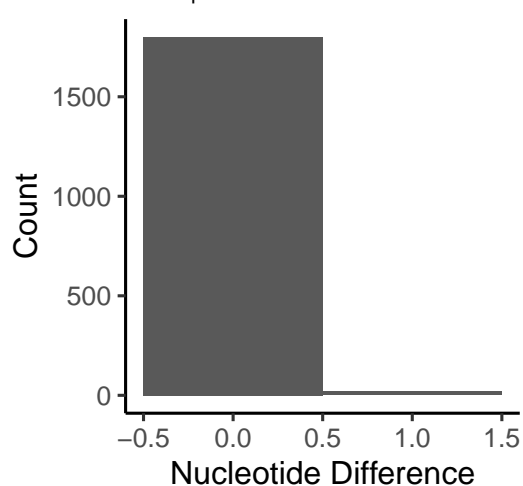
TRBV14*ap01

3718 sequences assigned
3689 (99.2%) exact matches, in which:
3645 unique CDR3
13 unique J



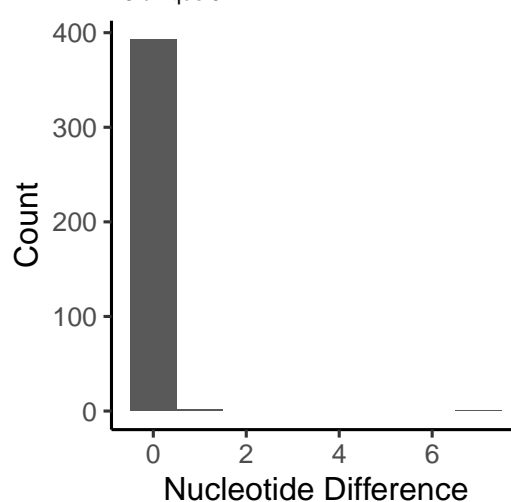
TRBV20-1*ap02

1819 sequences assigned
1800 (99%) exact matches, in which:
1781 unique CDR3
13 unique J



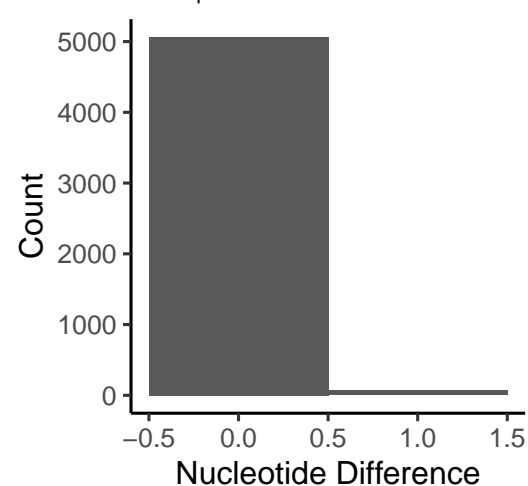
TRBV1*ap01

396 sequences assigned
393 (99.2%) exact matches, in which:
389 unique CDR3
13 unique J



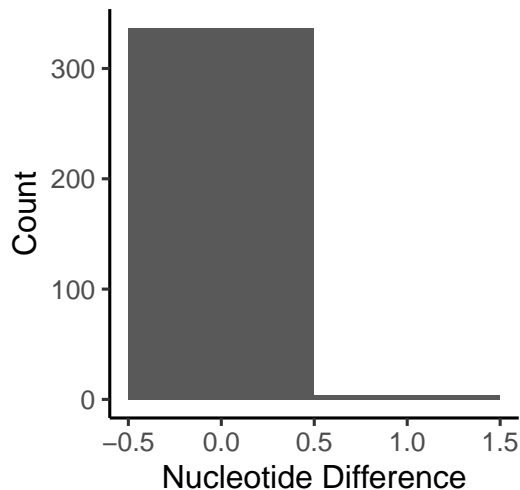
TRBV15*ap02

5133 sequences assigned
5064 (98.7%) exact matches, in which:
4979 unique CDR3
13 unique J



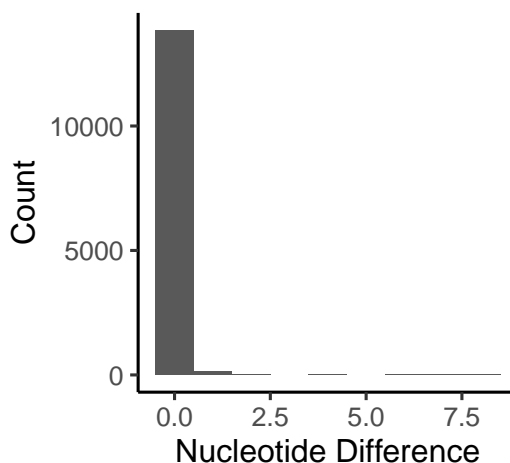
TRBV16*ap01

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



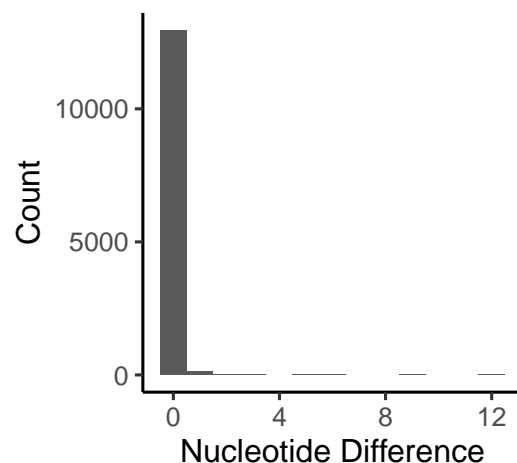
TRBV19*ap01

13984 sequences assigned
13850 (99%) exact matches, in which:
13756 unique CDR3
13 unique J



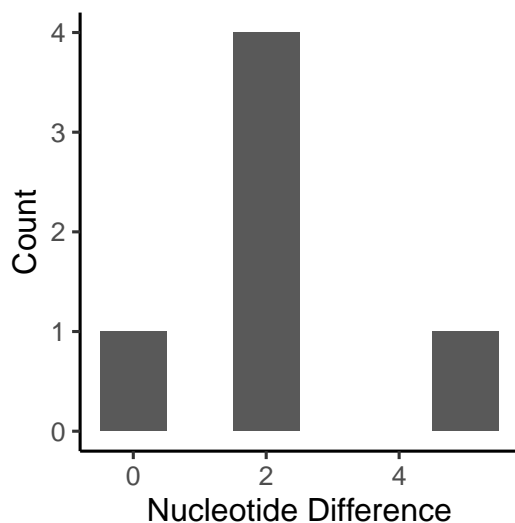
TRBV27*ap01

13094 sequences assigned
12958 (99%) exact matches, in which:
12777 unique CDR3
13 unique J



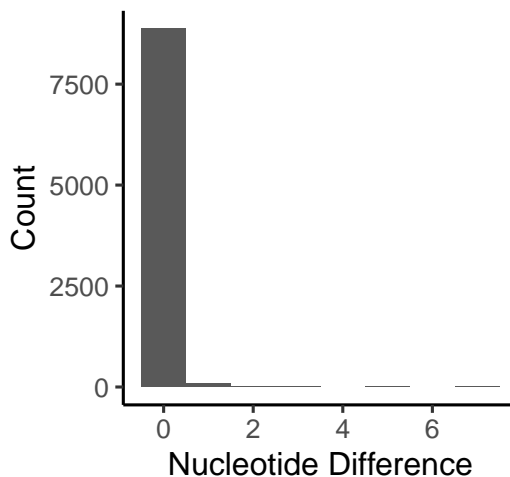
TRBV17*ap01

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



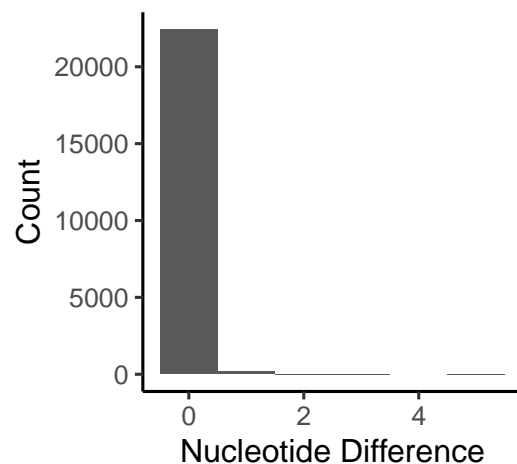
TRBV2*ap01

8975 sequences assigned
8872 (98.9%) exact matches, in which:
8721 unique CDR3
13 unique J



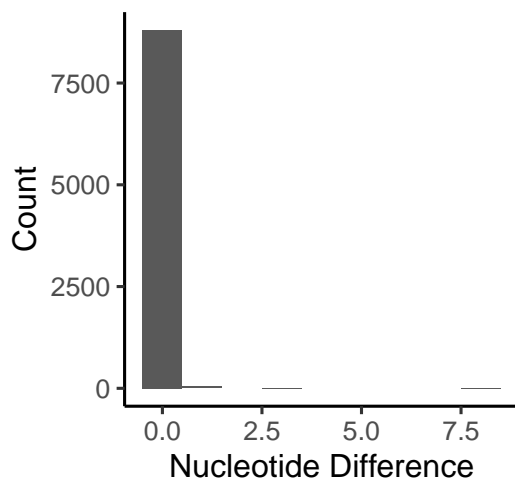
TRBV28*ap01

22620 sequences assigned
22427 (99.1%) exact matches, in which:
22187 unique CDR3
13 unique J



TRBV18*ap01

8849 sequences assigned
8802 (99.5%) exact matches, in which:
8741 unique CDR3
13 unique J



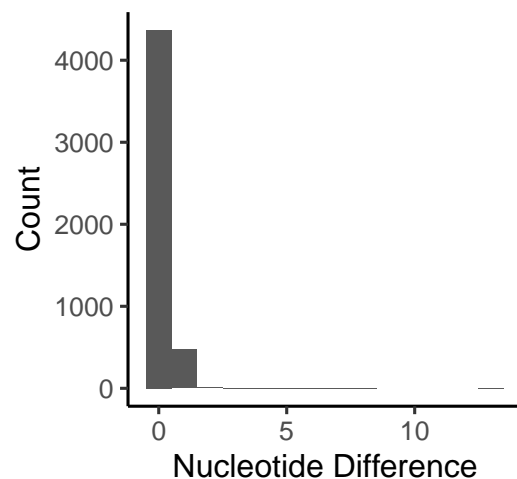
TRBV26*ap01

1 sequences assigned
No exact matches.



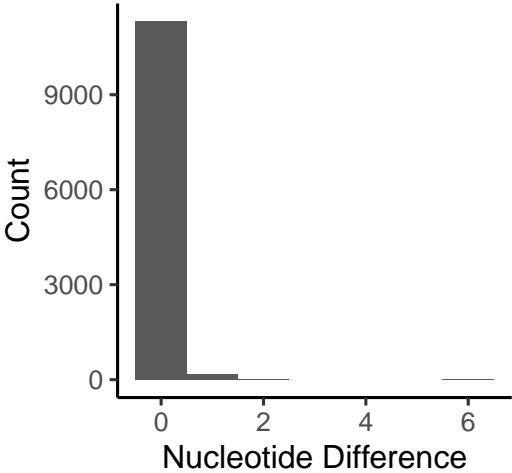
TRBV30*ap01

4857 sequences assigned
4368 (89.9%) exact matches, in which:
4288 unique CDR3
13 unique J



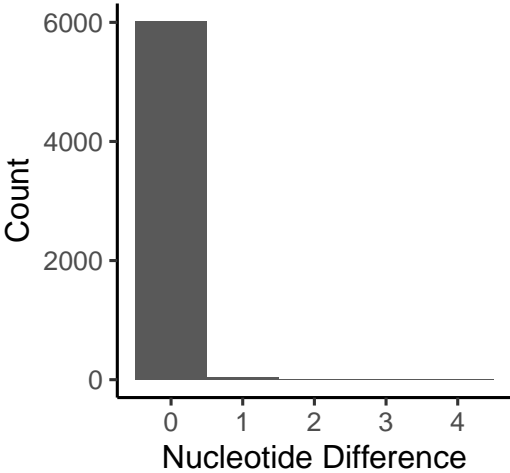
TRBV9*ap01

11490 sequences assigned
11315 (98.5%) exact matches, in which:
11195 unique CDR3
13 unique J



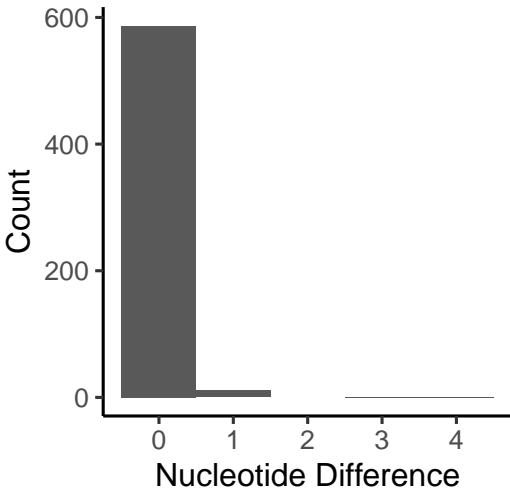
TRBV11-2*ap01

6068 sequences assigned
6016 (99.1%) exact matches, in which:
5945 unique CDR3
13 unique J



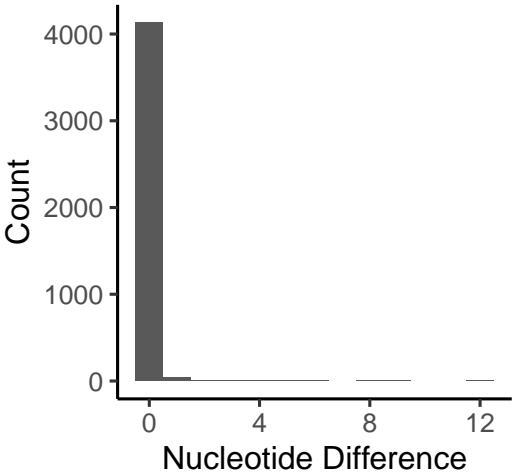
TRBV12-2*ap01

600 sequences assigned
587 (97.8%) exact matches, in which:
579 unique CDR3
13 unique J



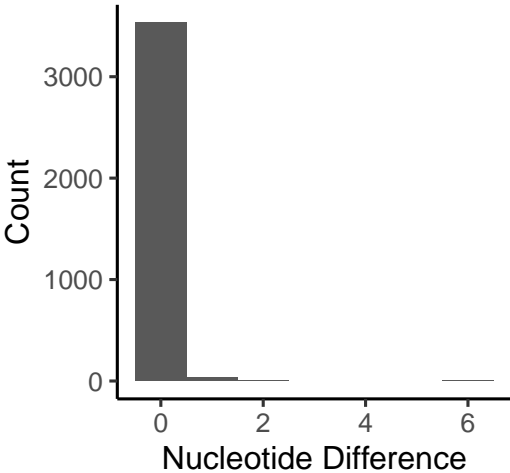
TRBV21-1*ap01

4186 sequences assigned
4130 (98.7%) exact matches, in which:
4109 unique CDR3
13 unique J



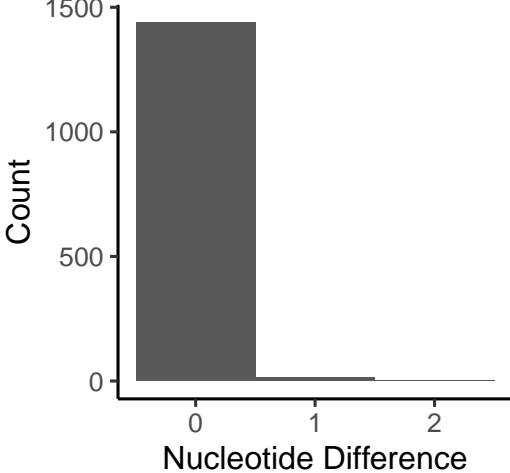
TRBV11-3*ap01

3568 sequences assigned
3532 (99%) exact matches, in which:
3503 unique CDR3
13 unique J



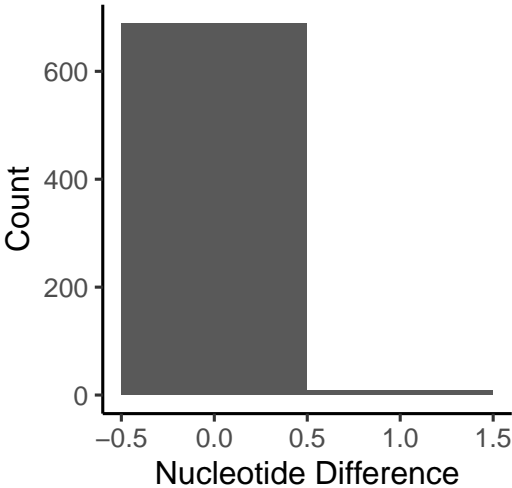
TRBV12-5*ap01

1453 sequences assigned
1438 (99%) exact matches, in which:
1426 unique CDR3
13 unique J



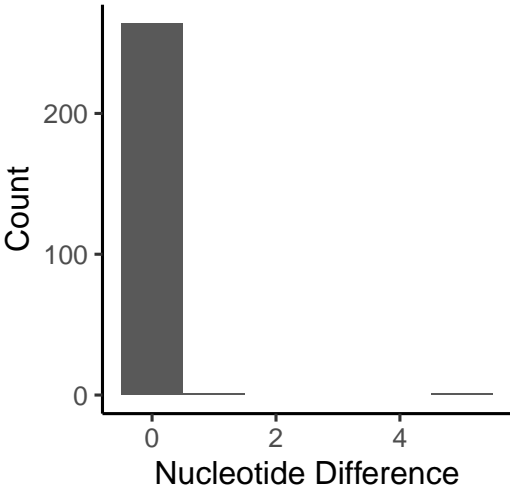
TRBV11-1*ap01

697 sequences assigned
689 (98.9%) exact matches, in which:
672 unique CDR3
13 unique J



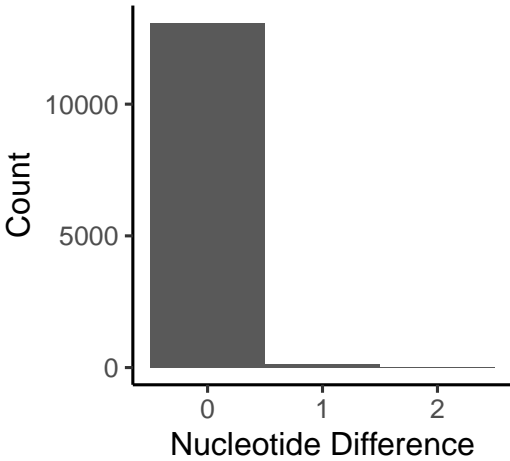
TRBV12-1*ap01

266 sequences assigned
264 (99.2%) exact matches, in which:
263 unique CDR3
13 unique J



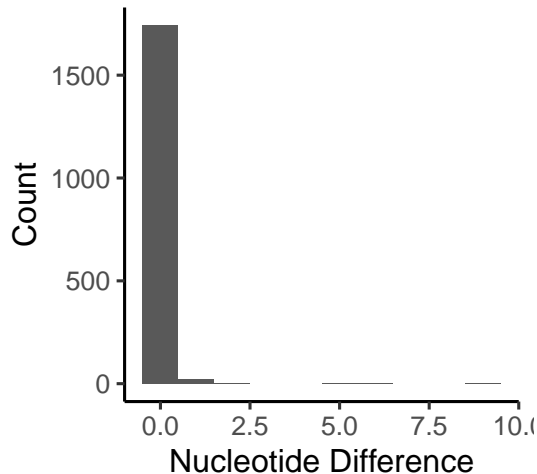
TRBV12-34*ap01

13214 sequences assigned
13089 (99.1%) exact matches, in which:
12907 unique CDR3
13 unique J



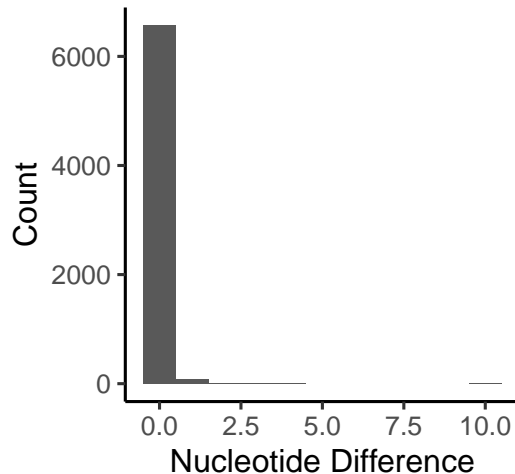
TRBV23-1*ap01

1768 sequences assigned
1742 (98.5%) exact matches, in which:
1724 unique CDR3
13 unique J



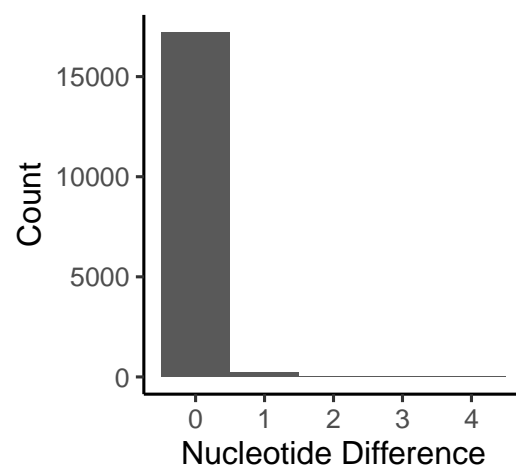
TRBV24-1*ap01

6650 sequences assigned
6568 (98.8%) exact matches, in which:
6469 unique CDR3
13 unique J



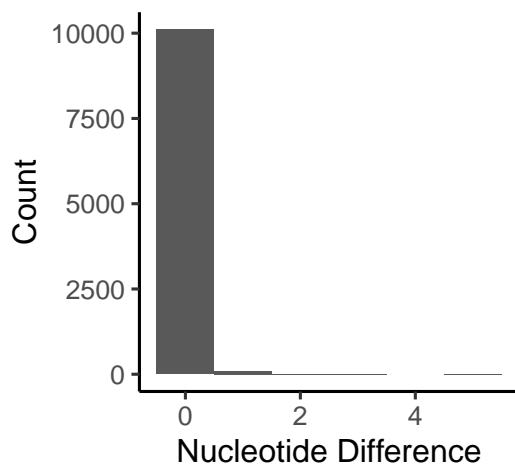
TRBV5-1*ap01

17456 sequences assigned
17221 (98.7%) exact matches, in which:
16917 unique CDR3
13 unique J



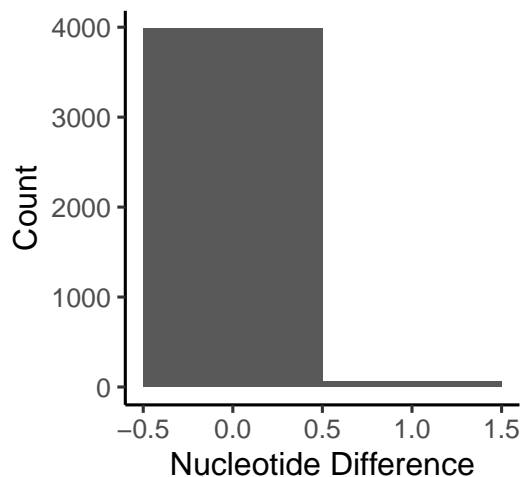
TRBV3-12*ap01

10208 sequences assigned
10109 (99%) exact matches, in which:
10029 unique CDR3
13 unique J



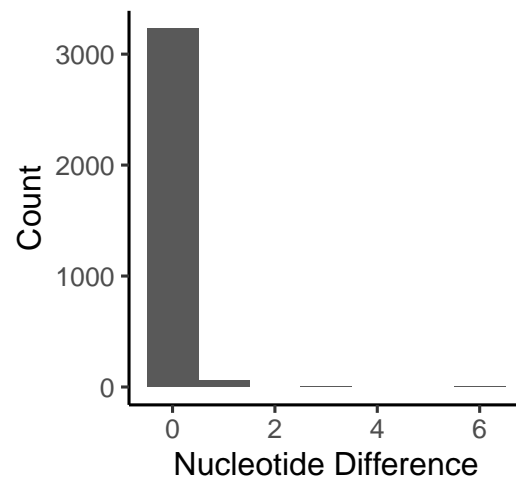
TRBV4-2*ap01

4045 sequences assigned
3983 (98.5%) exact matches, in which:
3920 unique CDR3
13 unique J



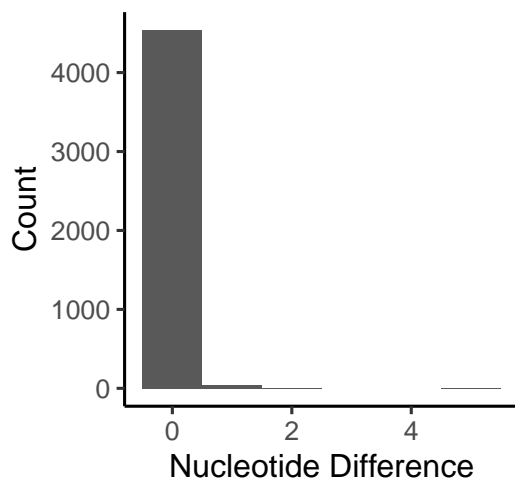
TRBV25-1*ap01

3292 sequences assigned
3229 (98.1%) exact matches, in which:
3177 unique CDR3
13 unique J



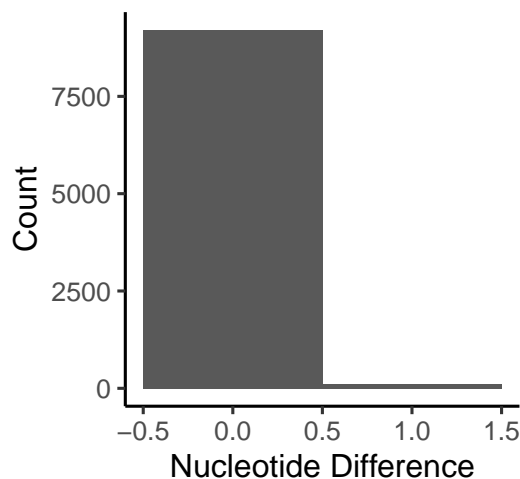
TRBV4-1*ap01

4587 sequences assigned
4539 (99%) exact matches, in which:
4472 unique CDR3
13 unique J



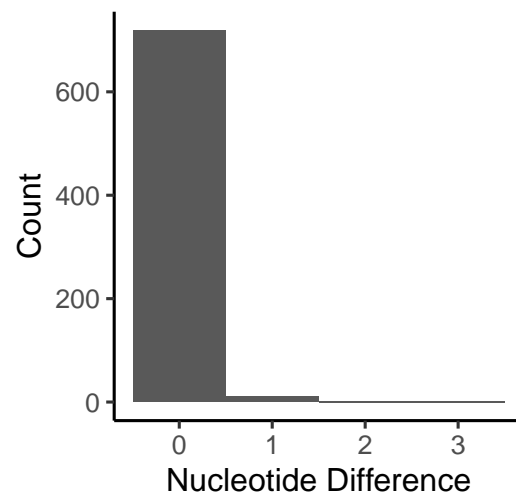
TRBV4-3*ap01

9314 sequences assigned
9204 (98.8%) exact matches, in which:
9048 unique CDR3
13 unique J



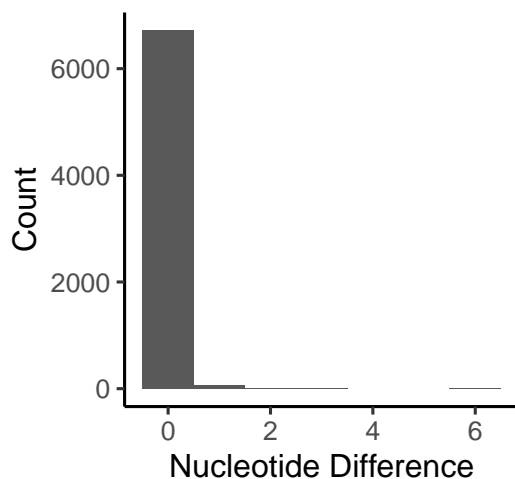
TRBV5-3*ap01

733 sequences assigned
719 (98.1%) exact matches, in which:
707 unique CDR3
13 unique J



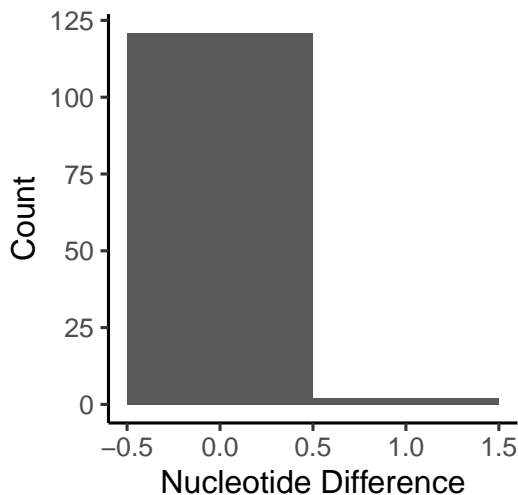
TRBV5-4*ap01

6779 sequences assigned
6717 (99.1%) exact matches, in which:
6602 unique CDR3
13 unique J



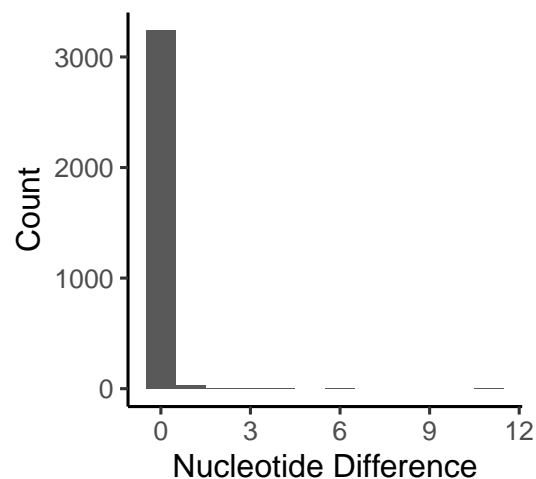
TRBV5-7*ap01

123 sequences assigned
121 (98.4%) exact matches, in which:
117 unique CDR3
13 unique J



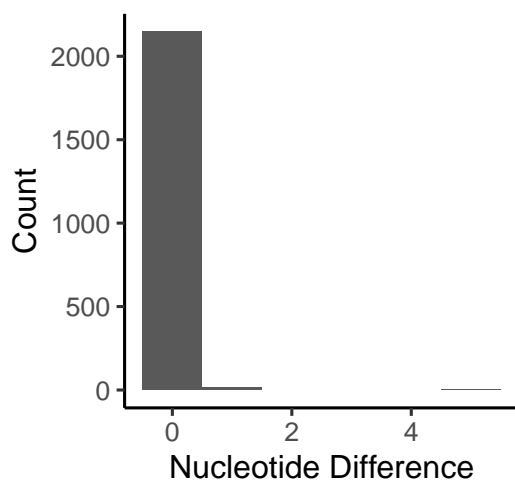
TRBV6-4*ap01

3281 sequences assigned
3240 (98.8%) exact matches, in which:
3210 unique CDR3
13 unique J



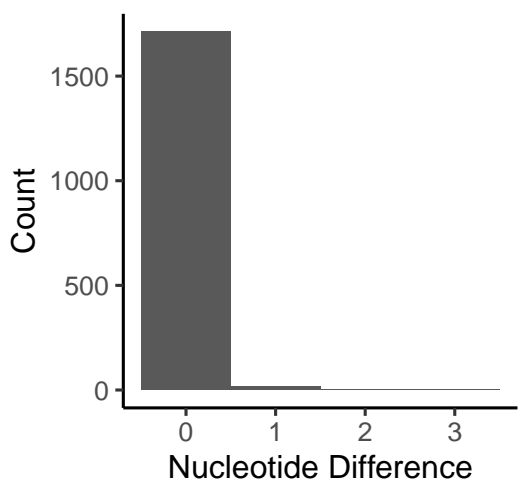
TRBV5-5*ap01

2162 sequences assigned
2147 (99.3%) exact matches, in which:
2135 unique CDR3
13 unique J



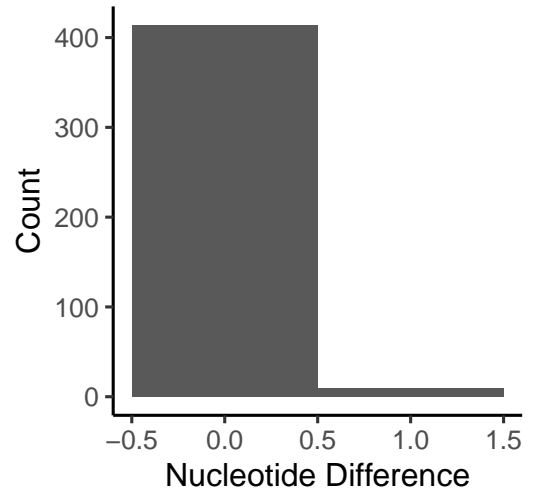
TRBV5-8*ap01

1731 sequences assigned
1712 (98.9%) exact matches, in which:
1686 unique CDR3
13 unique J



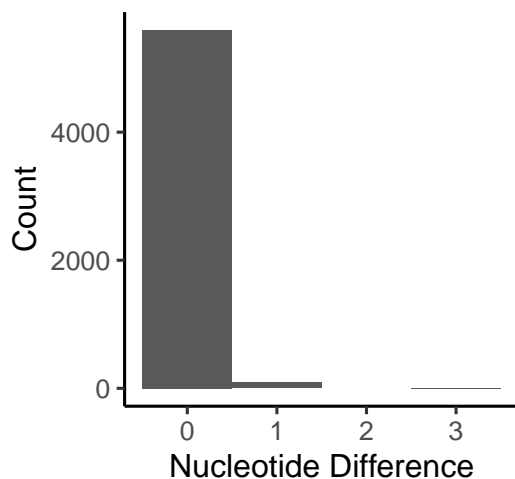
TRBV6-7*ap01

424 sequences assigned
414 (97.6%) exact matches, in which:
406 unique CDR3
13 unique J



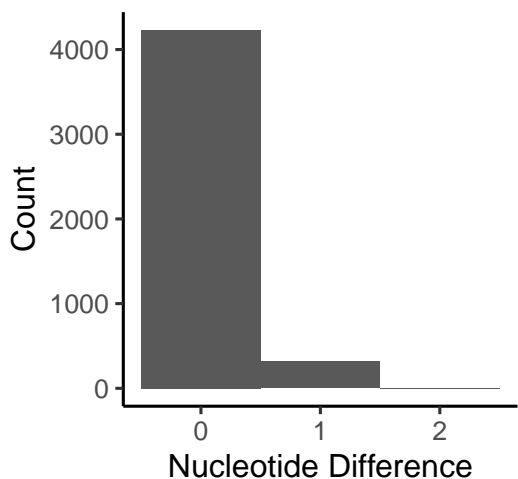
TRBV5-6*ap01

5686 sequences assigned
5595 (98.4%) exact matches, in which:
5467 unique CDR3
13 unique J



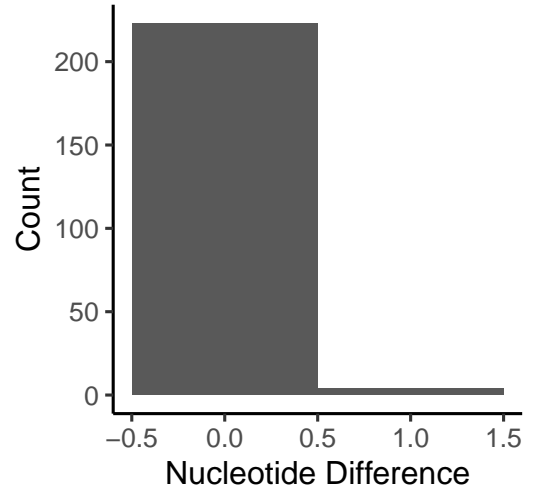
TRBV6-1*ap01

4548 sequences assigned
4230 (93%) exact matches, in which:
4146 unique CDR3
13 unique J



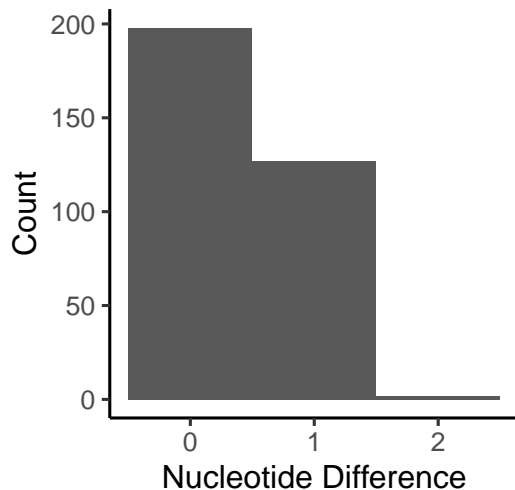
TRBV6-8*ap01

227 sequences assigned
223 (98.2%) exact matches, in which:
216 unique CDR3
13 unique J



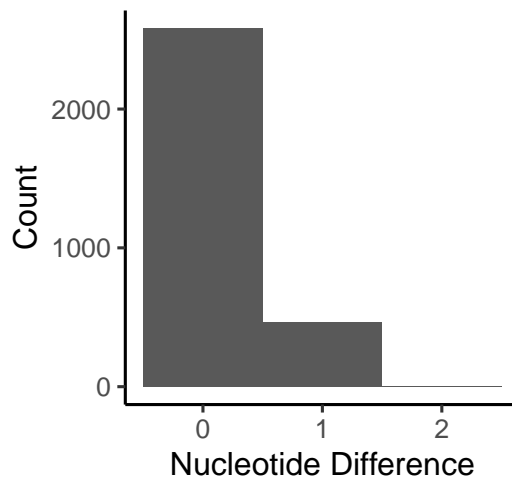
TRBV6-9*ap01

327 sequences assigned
198 (60.6%) exact matches, in which:
194 unique CDR3
13 unique J



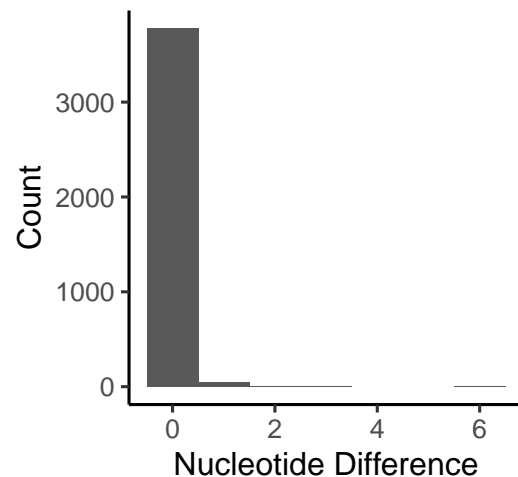
TRBV6-56*ap02

3053 sequences assigned
2581 (84.5%) exact matches, in which:
2520 unique CDR3
13 unique J



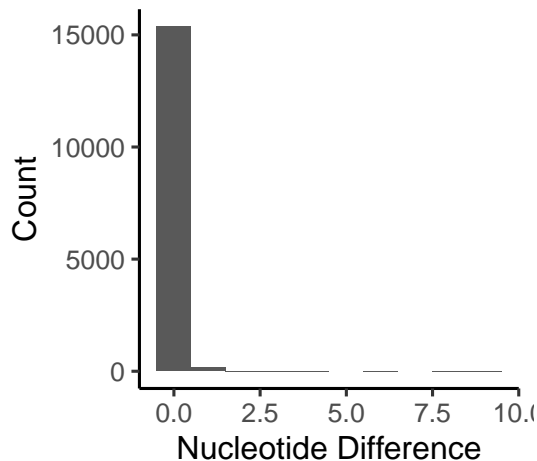
TRBV7-3*ap01

3823 sequences assigned
3777 (98.8%) exact matches, in which:
3743 unique CDR3
13 unique J



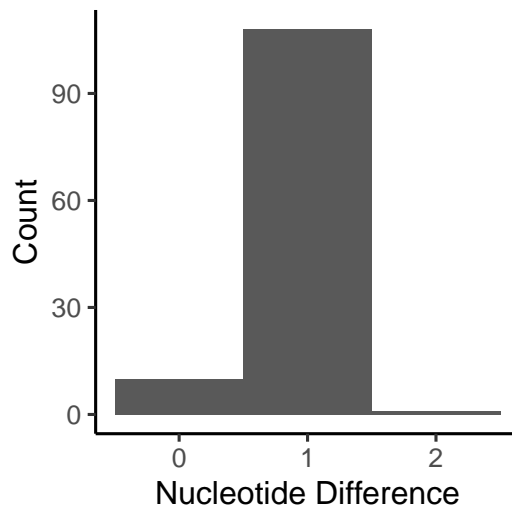
TRBV6-23*ap01

15572 sequences assigned
15375 (98.7%) exact matches, in which:
15010 unique CDR3
13 unique J



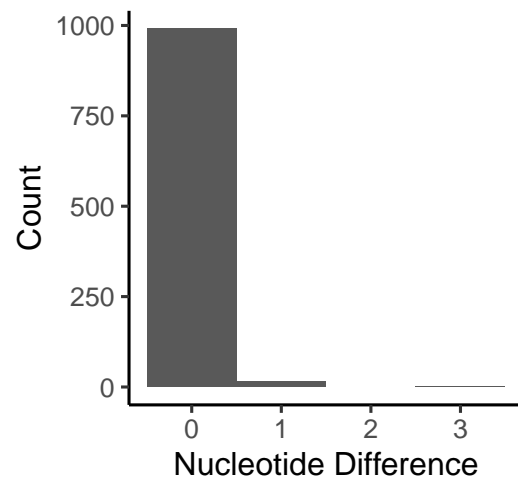
TRBV7-1*ap01_T296C

119 sequences assigned
10 (8.4%) exact matches, in which:
10 unique CDR3
5 unique J



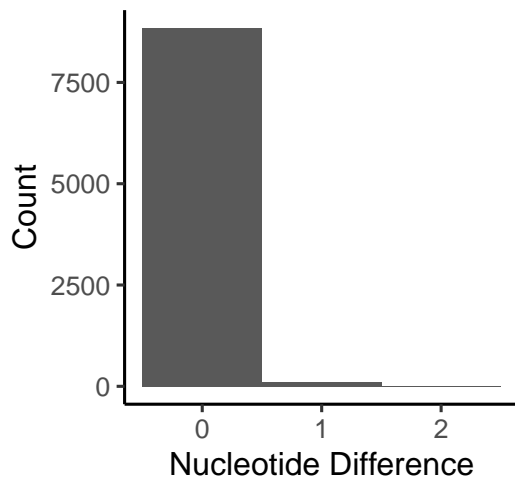
TRBV7-3*ap02

1008 sequences assigned
991 (98.3%) exact matches, in which:
981 unique CDR3
13 unique J



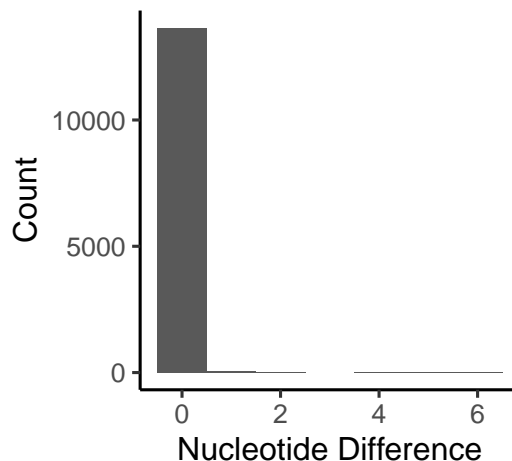
TRBV6-56*ap01

8957 sequences assigned
8842 (98.7%) exact matches, in which:
8646 unique CDR3
13 unique J



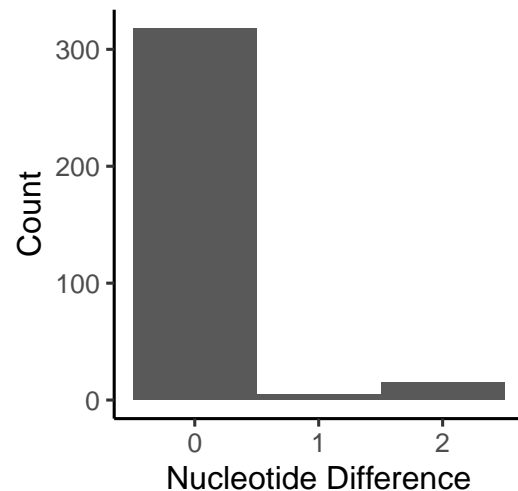
TRBV7-2*ap01

13734 sequences assigned
13650 (99.4%) exact matches, in which:
13478 unique CDR3
13 unique J



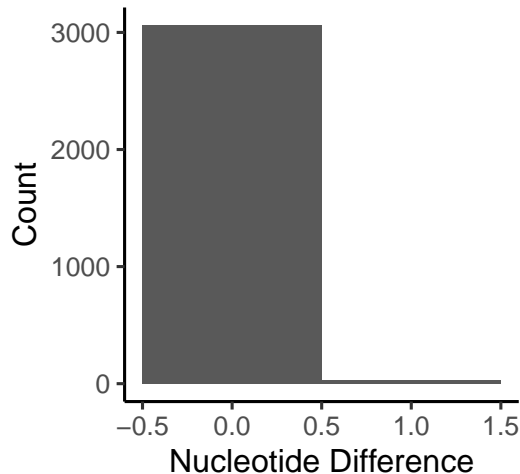
TRBV7-4*ap01

338 sequences assigned
318 (94.1%) exact matches, in which:
314 unique CDR3
13 unique J



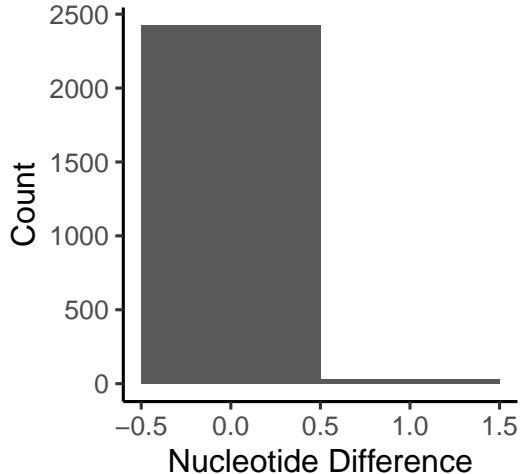
TRBV7-6*ap01

3093 sequences assigned
3060 (98.9%) exact matches, in which:
3012 unique CDR3
13 unique J



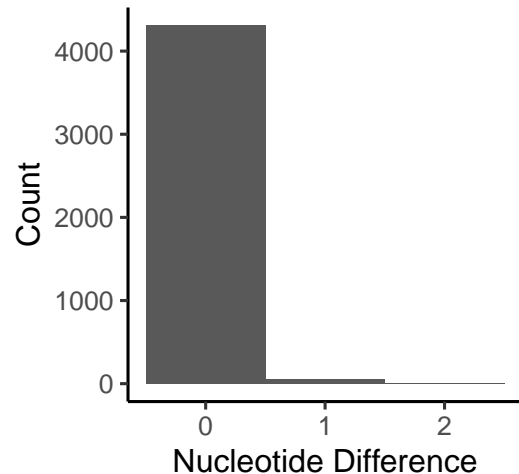
TRBV7-8*ap01

2452 sequences assigned
2424 (98.9%) exact matches, in which:
2396 unique CDR3
13 unique J



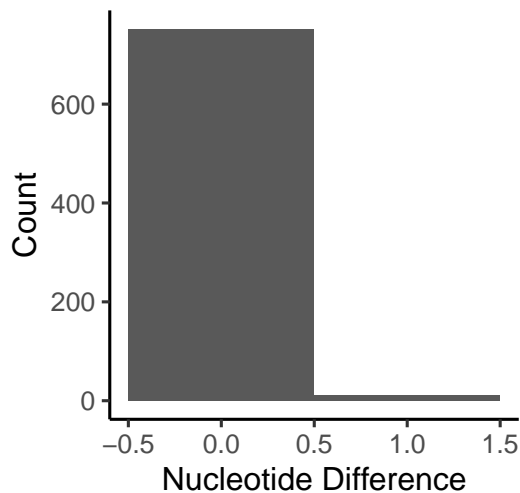
TRBV29-1*ap01

4364 sequences assigned
4309 (98.7%) exact matches, in which:
4192 unique CDR3
13 unique J



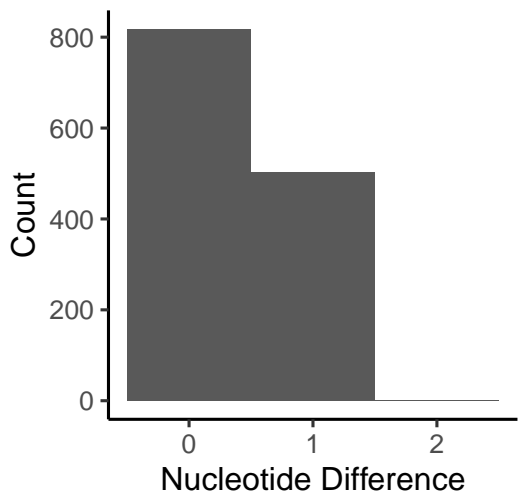
TRBV7-7*ap01

763 sequences assigned
752 (98.6%) exact matches, in which:
741 unique CDR3
13 unique J



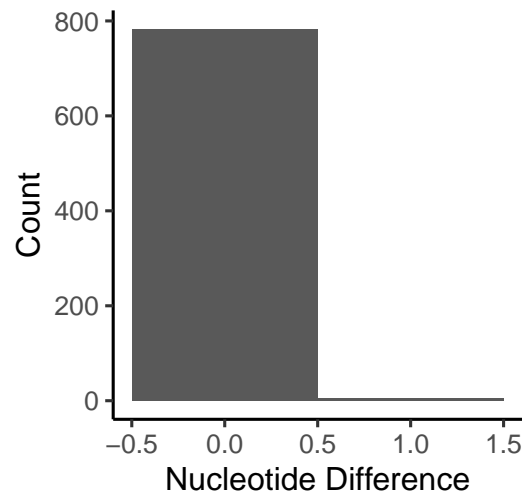
TRBV7-8*ap03

1322 sequences assigned
818 (61.9%) exact matches, in which:
803 unique CDR3
13 unique J



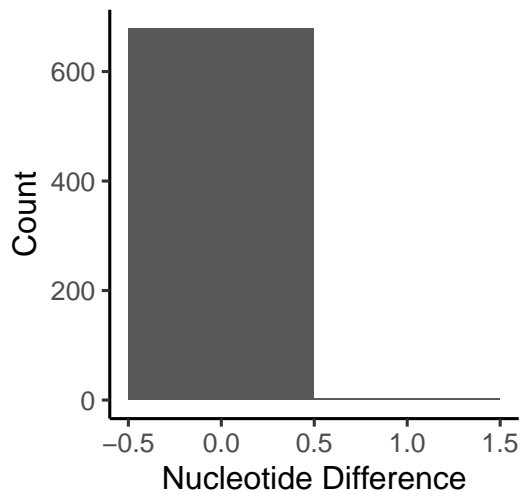
TRBV29-1*ap02

788 sequences assigned
783 (99.4%) exact matches, in which:
772 unique CDR3
13 unique J



TRBV7-7*ap01_C315T

681 sequences assigned
679 (99.7%) exact matches, in which:
664 unique CDR3
13 unique J



TRBV7-9*ap01

12475 sequences assigned
12315 (98.7%) exact matches, in which:
12143 unique CDR3
13 unique J

