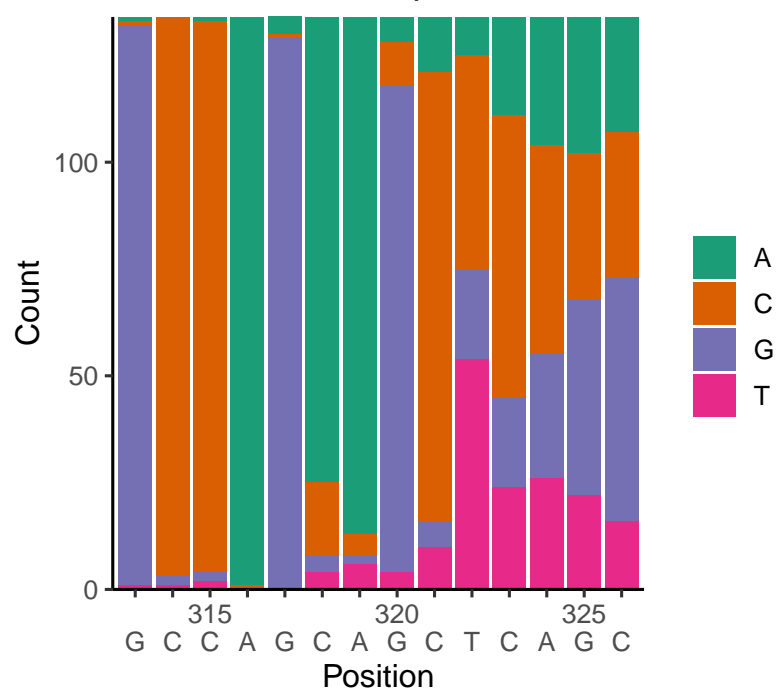
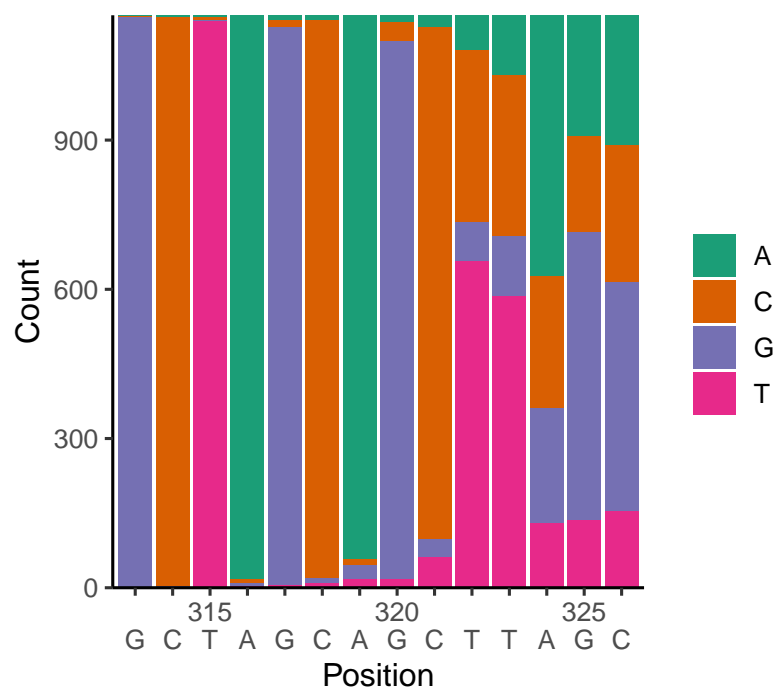


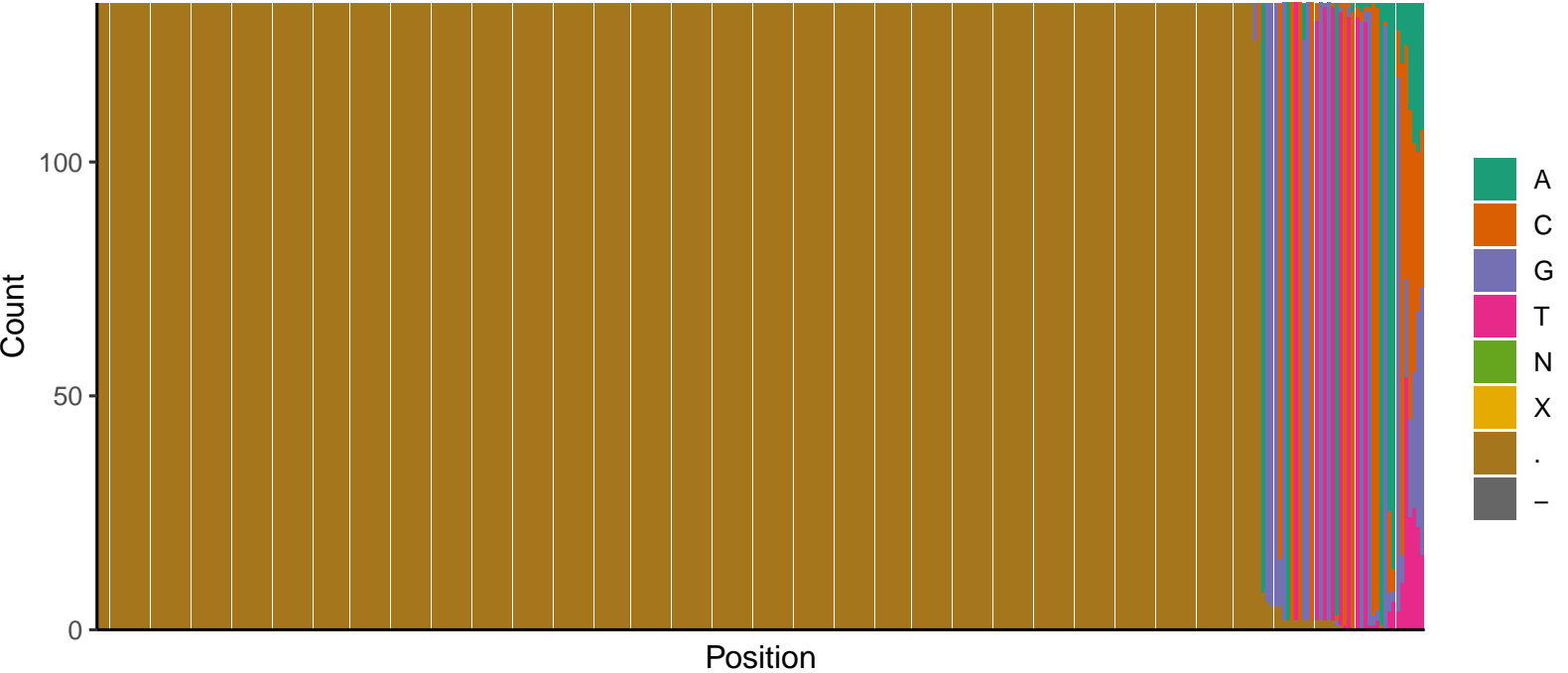
Gene TRBV7-1*ap01_T296C



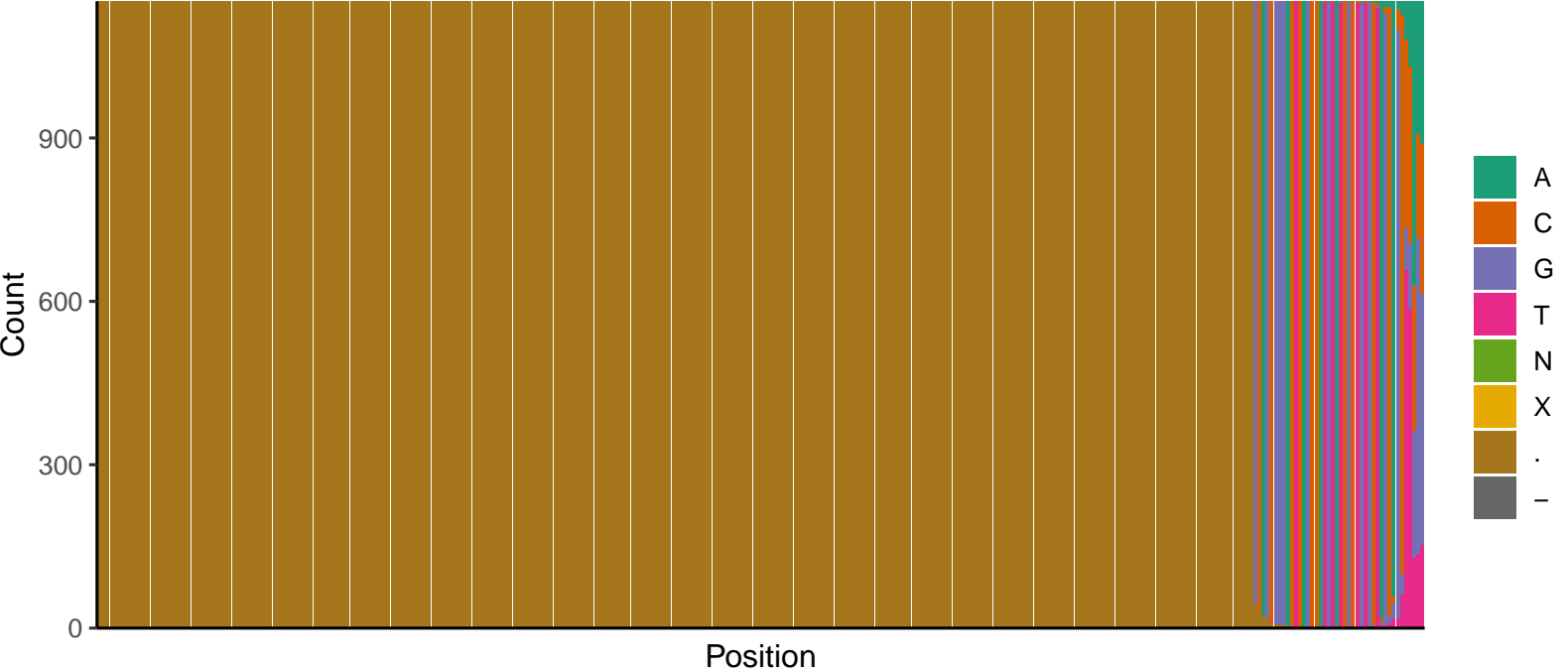
Gene TRBV7-7*ap01_C315T



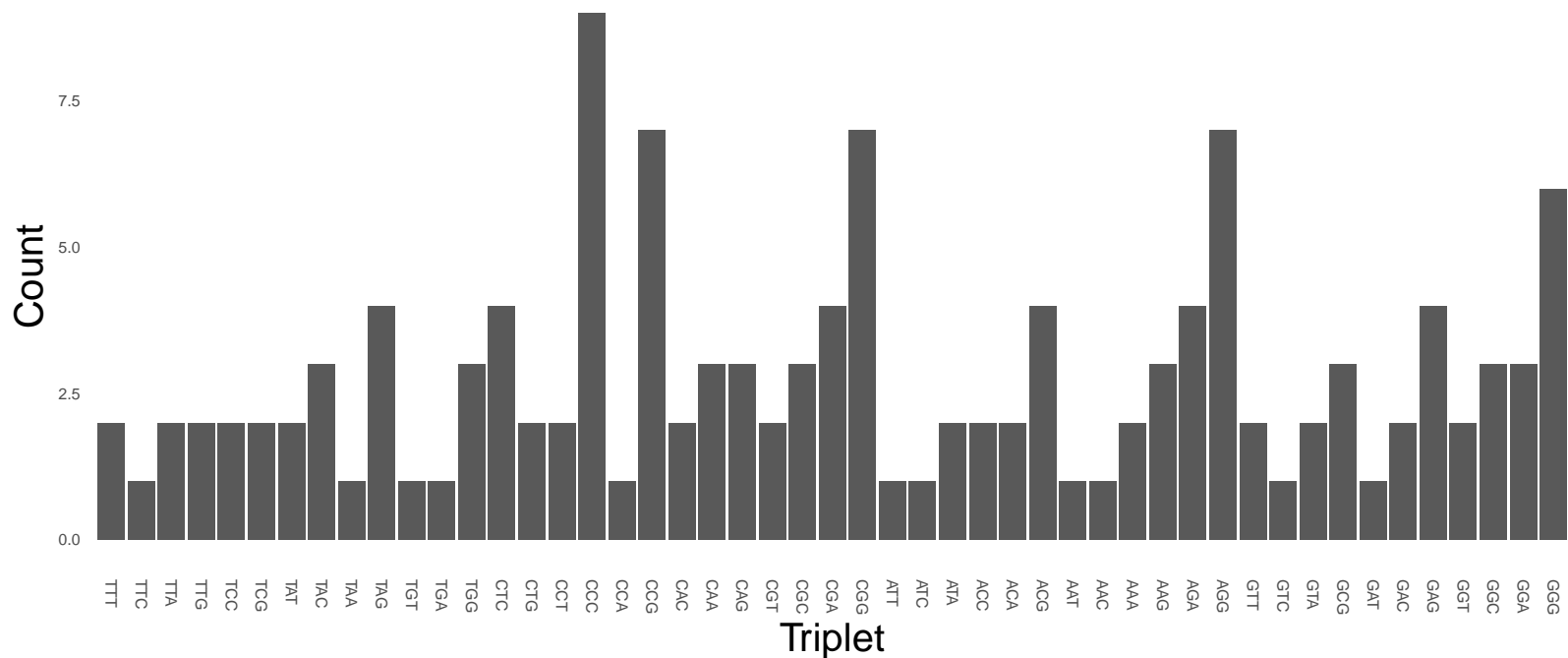
Gene TRBV7-1*ap01_T296C



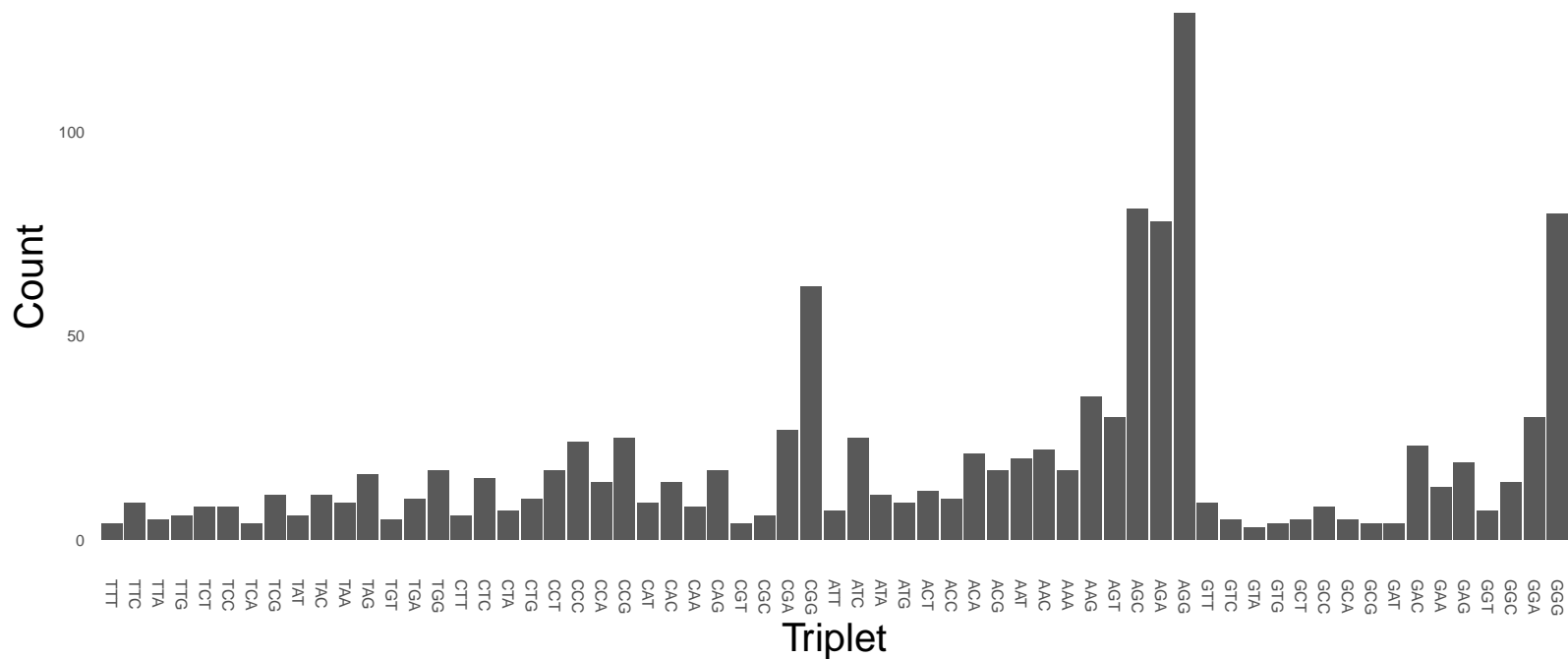
Gene TRBV7-7*ap01_C315T



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

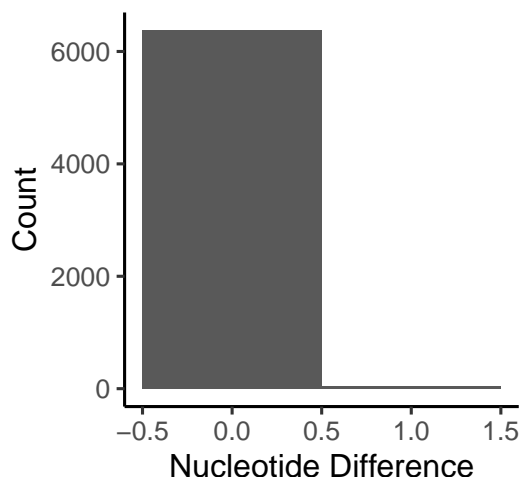


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



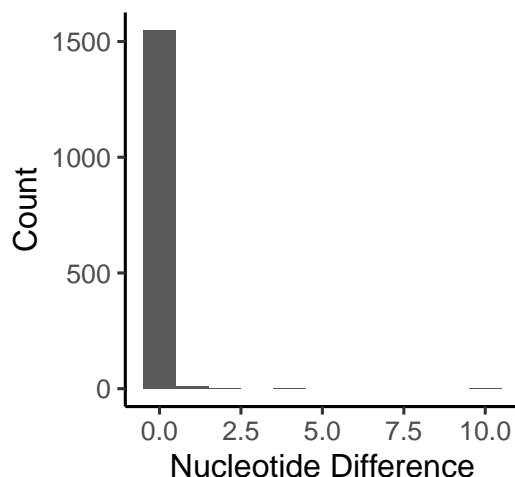
TRBV20-1*ap01

6426 sequences assigned
6375 (99.2%) exact matches, in which:
6324 unique CDR3
13 unique J



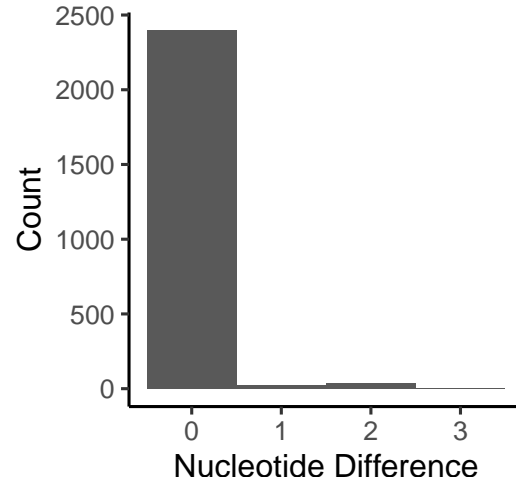
TRBV10-2*ap01

1562 sequences assigned
1548 (99.1%) exact matches, in which:
1507 unique CDR3
13 unique J



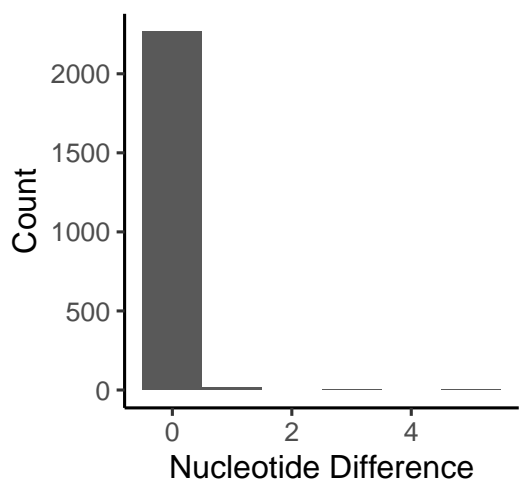
TRBV13*ap01

2458 sequences assigned
2397 (97.5%) exact matches, in which:
2336 unique CDR3
13 unique J



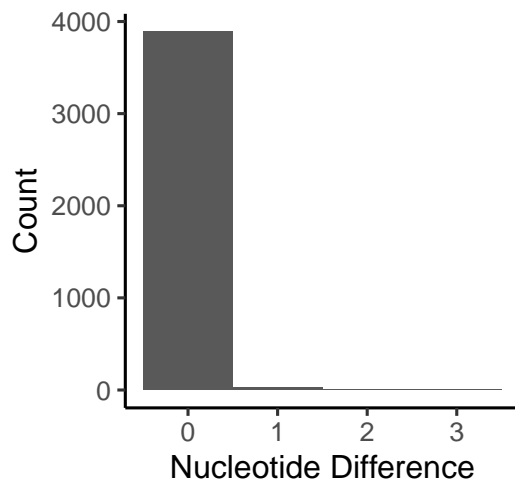
TRBV10-1*ap01

2286 sequences assigned
2266 (99.1%) exact matches, in which:
2229 unique CDR3
13 unique J



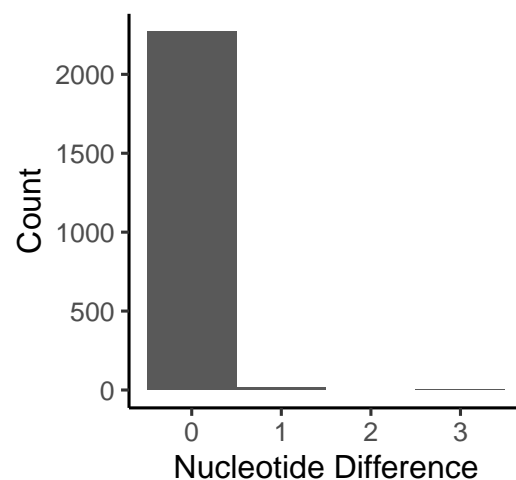
TRBV10-3*ap01

3923 sequences assigned
3889 (99.1%) exact matches, in which:
3807 unique CDR3
13 unique J



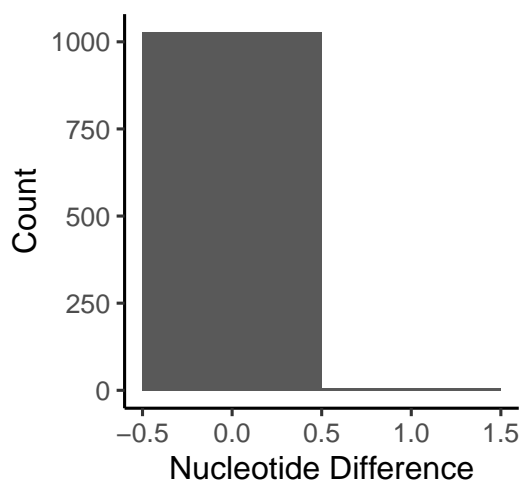
TRBV14*ap01

2284 sequences assigned
2270 (99.4%) exact matches, in which:
2244 unique CDR3
13 unique J



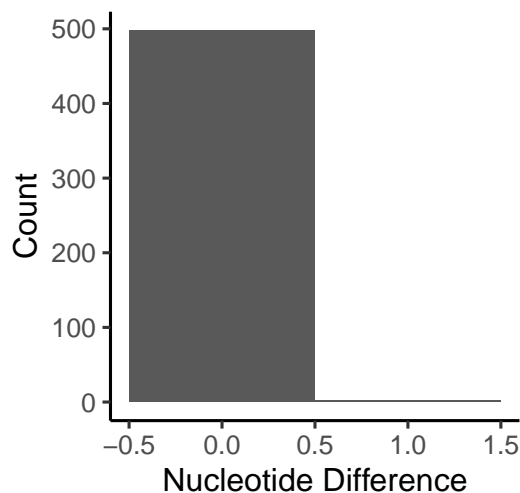
TRBV20-1*ap02

1034 sequences assigned
1028 (99.4%) exact matches, in which:
1016 unique CDR3
13 unique J



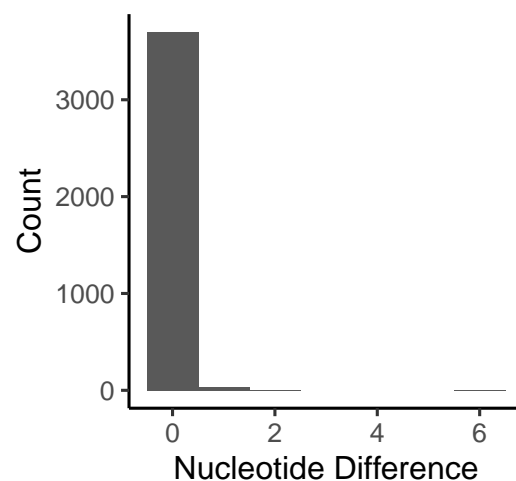
TRBV1*ap01

500 sequences assigned
498 (99.6%) exact matches, in which:
486 unique CDR3
13 unique J



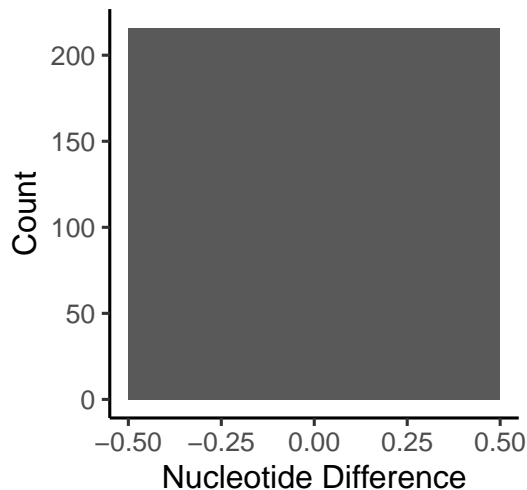
TRBV15*ap02

3734 sequences assigned
3699 (99.1%) exact matches, in which:
3607 unique CDR3
13 unique J



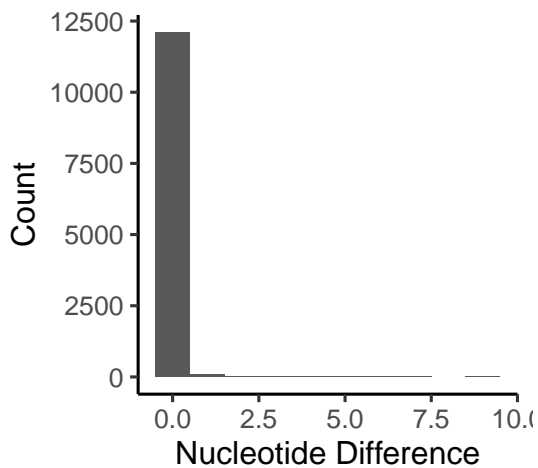
TRBV16*ap01

216 sequences assigned
216 (100%) exact matches, in which:
212 unique CDR3
13 unique J



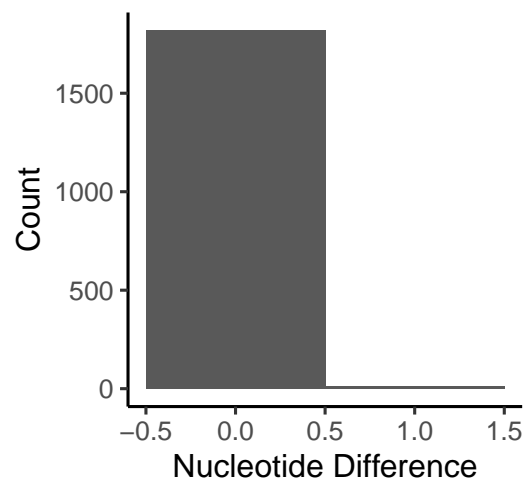
TRBV19*ap01

12228 sequences assigned
12111 (99%) exact matches, in which:
12012 unique CDR3
13 unique J



TRBV28*ap01

1830 sequences assigned
1819 (99.4%) exact matches, in which:
1792 unique CDR3
13 unique J



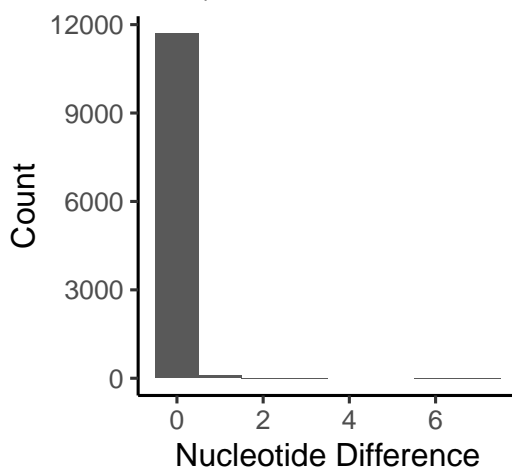
TRBV17*ap01

1 sequences assigned
No exact matches.



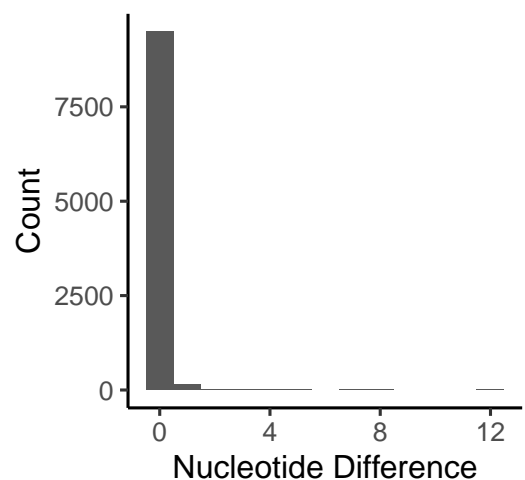
TRBV2*ap01

11803 sequences assigned
11700 (99.1%) exact matches, in which:
11472 unique CDR3
13 unique J



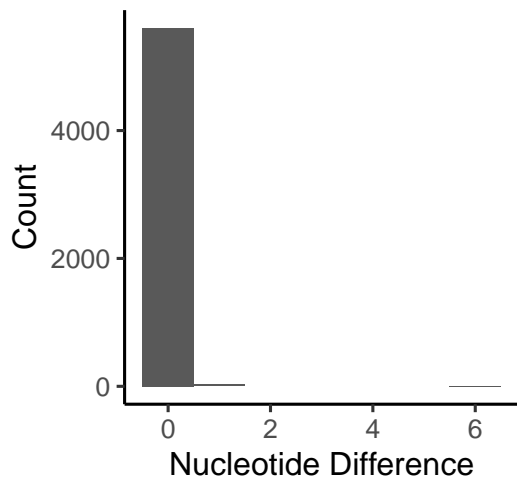
TRBV30*ap01

9642 sequences assigned
9489 (98.4%) exact matches, in which:
9097 unique CDR3
13 unique J



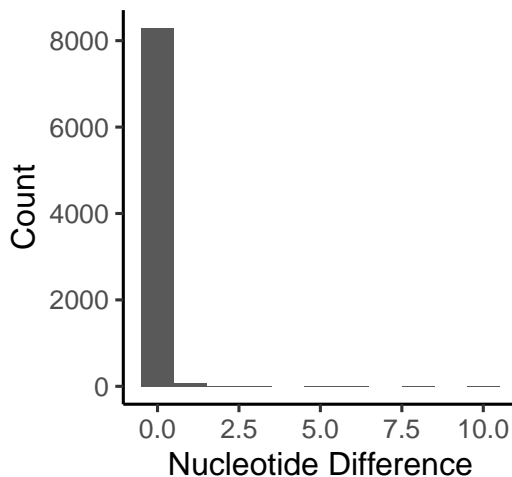
TRBV18*ap01

5633 sequences assigned
5603 (99.5%) exact matches, in which:
5551 unique CDR3
13 unique J



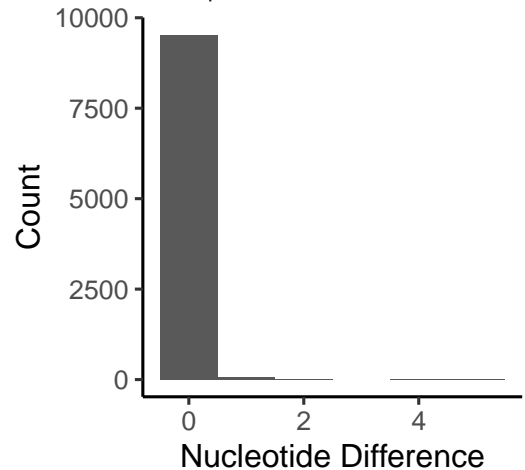
TRBV27*ap01

8379 sequences assigned
8292 (99%) exact matches, in which:
8142 unique CDR3
13 unique J



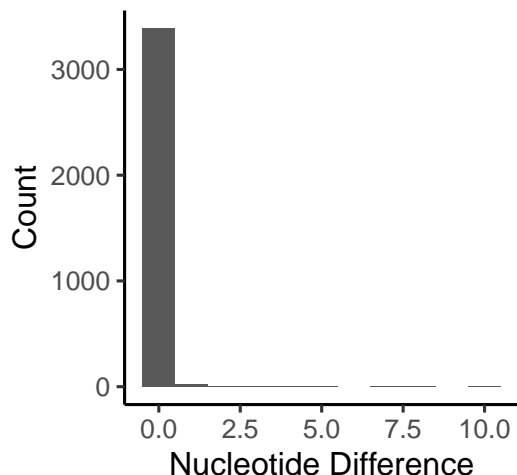
TRBV9*ap01

9598 sequences assigned
9529 (99.3%) exact matches, in which:
9446 unique CDR3
13 unique J



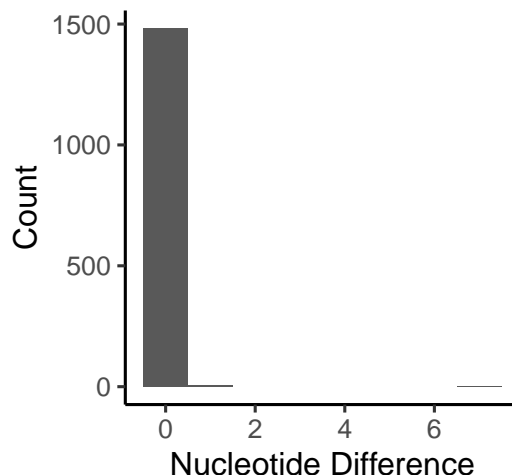
TRBV21-1*ap01

3430 sequences assigned
3388 (98.8%) exact matches, in which:
3359 unique CDR3
13 unique J



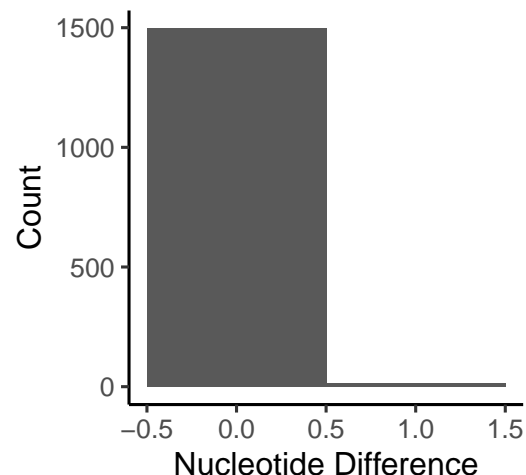
TRBV11-3*ap01

1491 sequences assigned
1482 (99.4%) exact matches, in which:
1475 unique CDR3
13 unique J



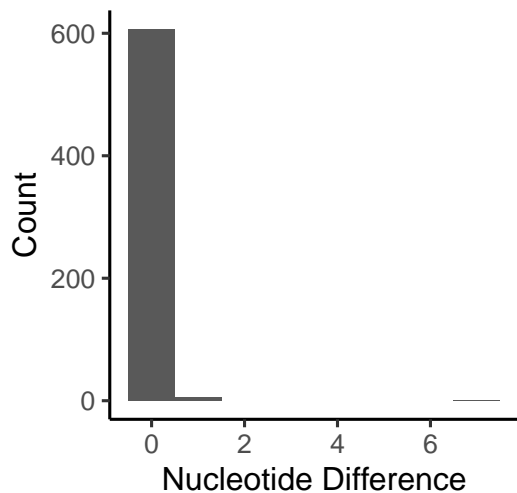
TRBV12-5*ap01

1513 sequences assigned
1497 (98.9%) exact matches, in which:
1474 unique CDR3
13 unique J



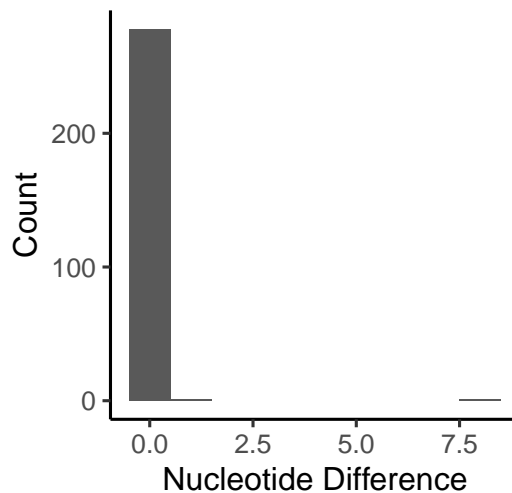
TRBV11-1*ap01

613 sequences assigned
607 (99%) exact matches, in which:
603 unique CDR3
13 unique J



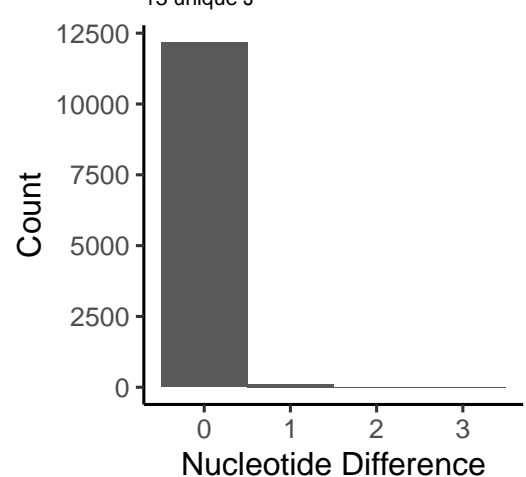
TRBV12-1*ap01

280 sequences assigned
278 (99.3%) exact matches, in which:
273 unique CDR3
13 unique J



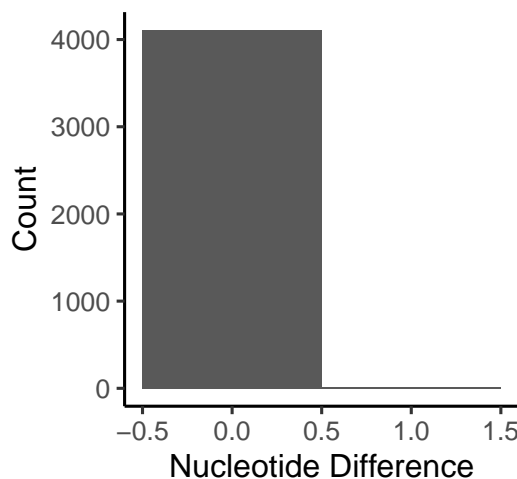
TRBV12-34*ap01

12302 sequences assigned
12172 (98.9%) exact matches, in which:
11966 unique CDR3
13 unique J



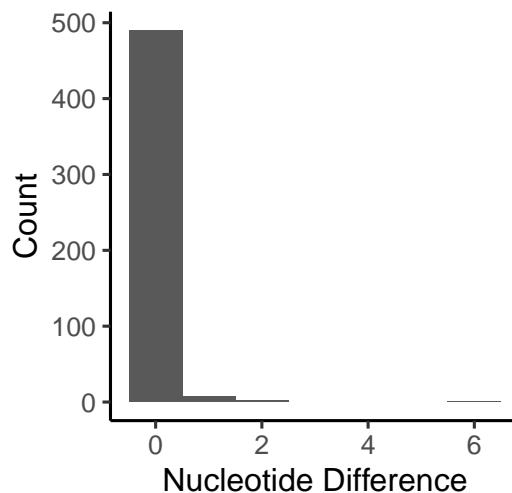
TRBV11-2*ap01

4122 sequences assigned
4109 (99.7%) exact matches, in which:
4079 unique CDR3
13 unique J



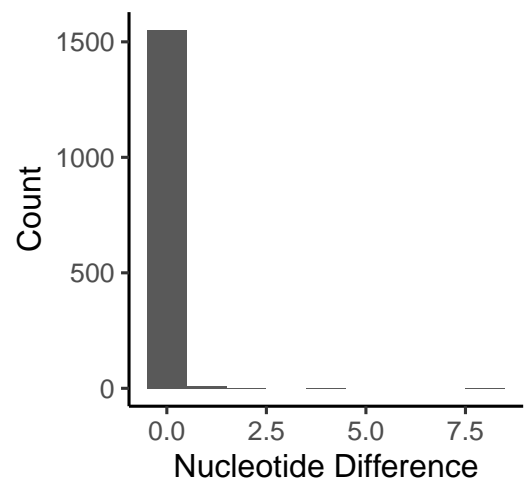
TRBV12-2*ap01

500 sequences assigned
490 (98%) exact matches, in which:
484 unique CDR3
13 unique J



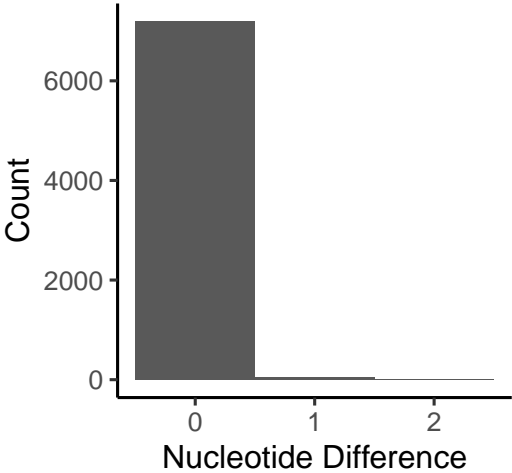
TRBV23-1*ap01

1564 sequences assigned
1551 (99.2%) exact matches, in which:
1528 unique CDR3
13 unique J



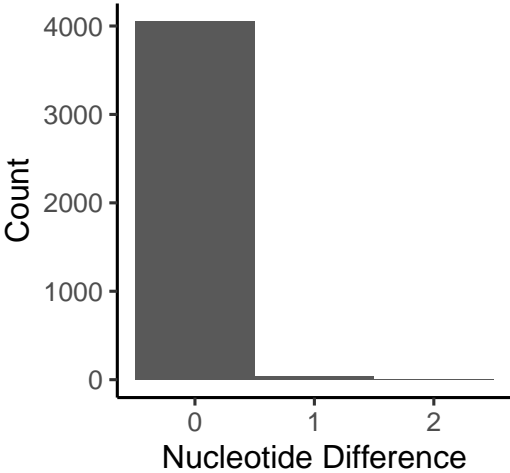
TRBV3-12*ap01

7244 sequences assigned
7193 (99.3%) exact matches, in which:
7126 unique CDR3
13 unique J



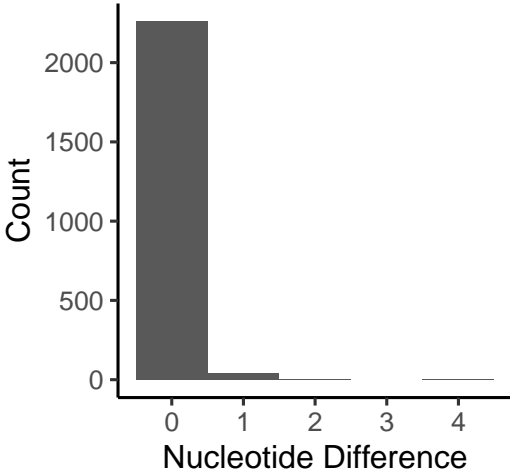
TRBV4-2*ap01

4088 sequences assigned
4052 (99.1%) exact matches, in which:
3968 unique CDR3
13 unique J



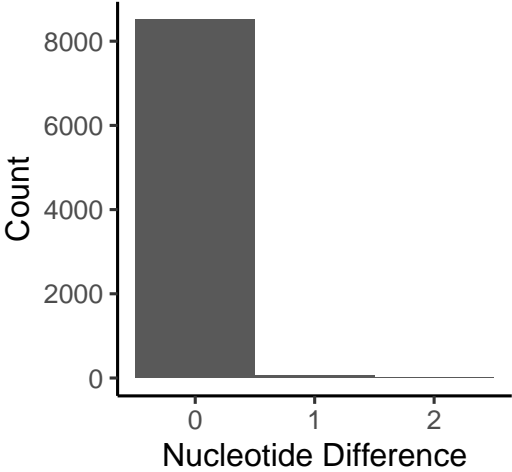
TRBV25-1*ap01

2307 sequences assigned
2260 (98%) exact matches, in which:
2177 unique CDR3
13 unique J



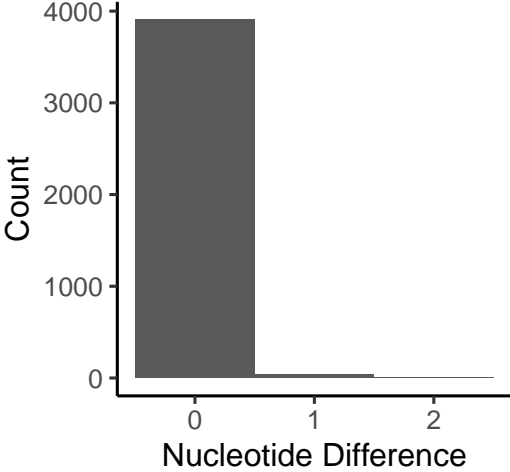
TRBV4-1*ap01

8579 sequences assigned
8510 (99.2%) exact matches, in which:
8320 unique CDR3
13 unique J



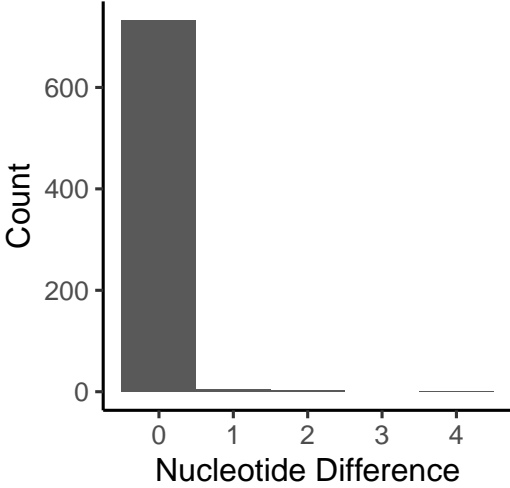
TRBV4-3*ap01

3945 sequences assigned
3906 (99%) exact matches, in which:
3811 unique CDR3
13 unique J



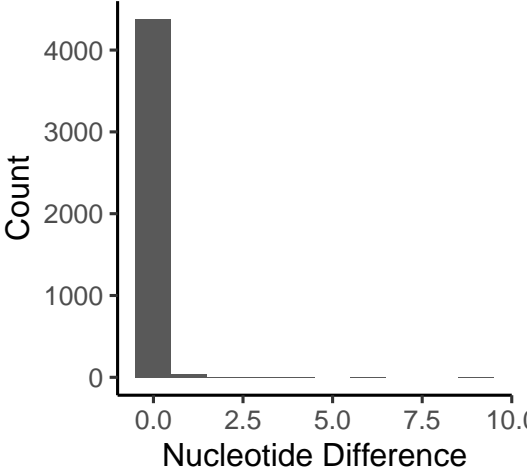
TRBV5-3*ap01

740 sequences assigned
733 (99.1%) exact matches, in which:
727 unique CDR3
13 unique J



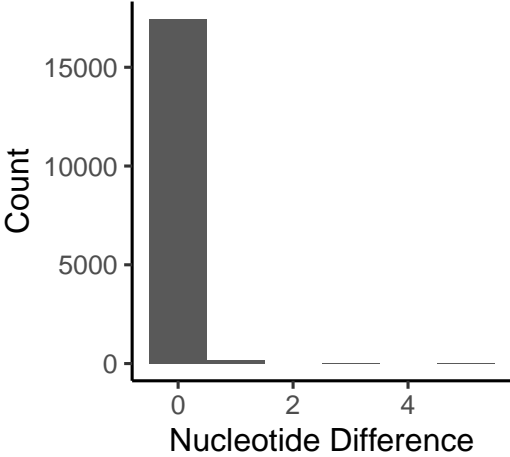
TRBV24-1*ap01

4438 sequences assigned
4379 (98.7%) exact matches, in which:
4283 unique CDR3
13 unique J



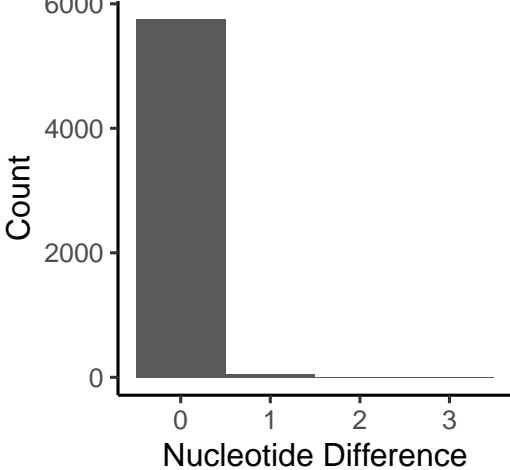
TRBV5-1*ap01

17617 sequences assigned
17454 (99.1%) exact matches, in which:
17110 unique CDR3
13 unique J



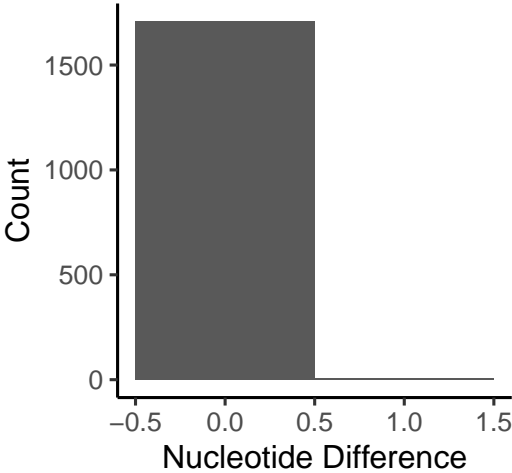
TRBV5-4*ap01

5813 sequences assigned
5755 (99%) exact matches, in which:
5619 unique CDR3
13 unique J



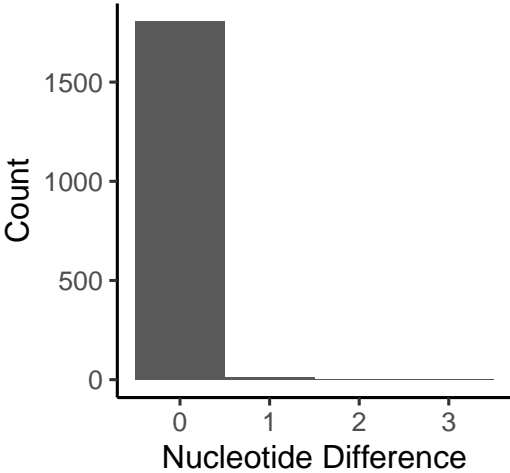
TRBV5-5*ap01

1713 sequences assigned
1708 (99.7%) exact matches, in which:
1700 unique CDR3
13 unique J



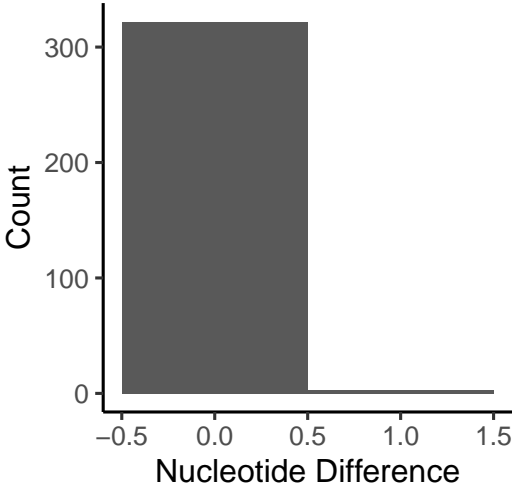
TRBV5-8*ap01

1820 sequences assigned
1806 (99.2%) exact matches, in which:
1774 unique CDR3
13 unique J



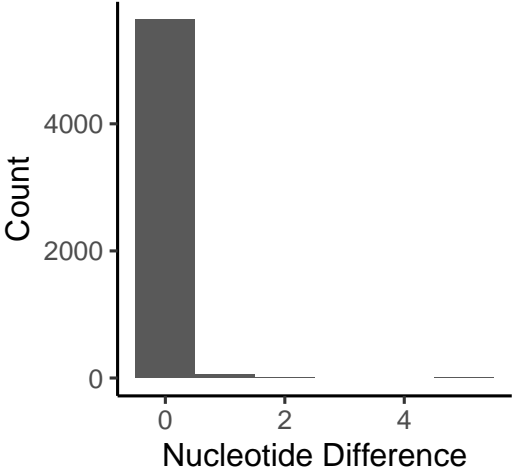
TRBV6-7*ap01

325 sequences assigned
322 (99.1%) exact matches, in which:
314 unique CDR3
13 unique J



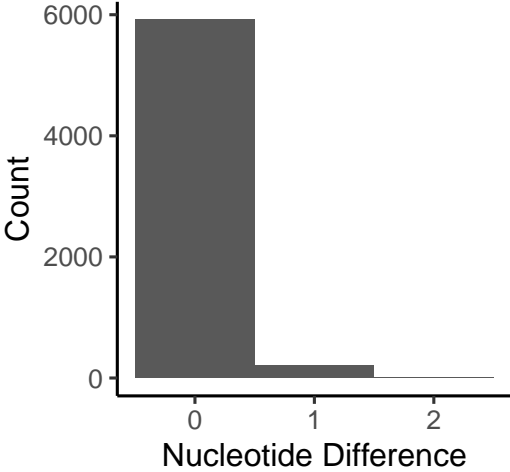
TRBV5-6*ap01

5699 sequences assigned
5638 (98.9%) exact matches, in which:
5444 unique CDR3
13 unique J



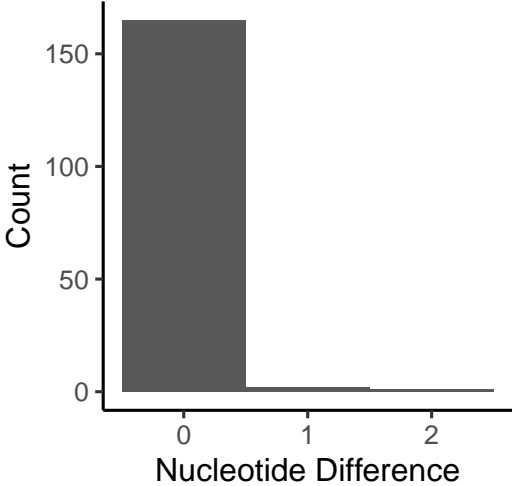
TRBV6-1*ap01

6118 sequences assigned
5917 (96.7%) exact matches, in which:
5762 unique CDR3
13 unique J



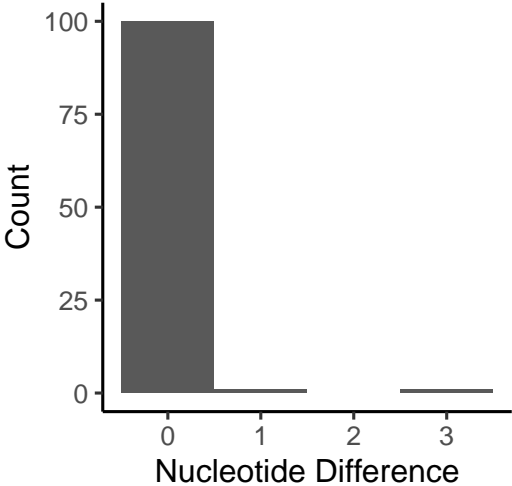
TRBV6-8*ap01

168 sequences assigned
165 (98.2%) exact matches, in which:
158 unique CDR3
13 unique J



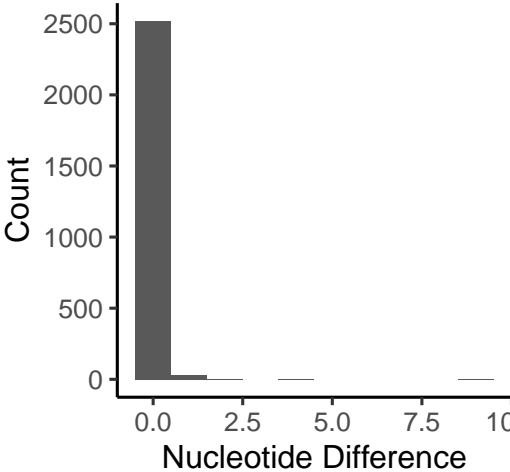
TRBV5-7*ap01

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



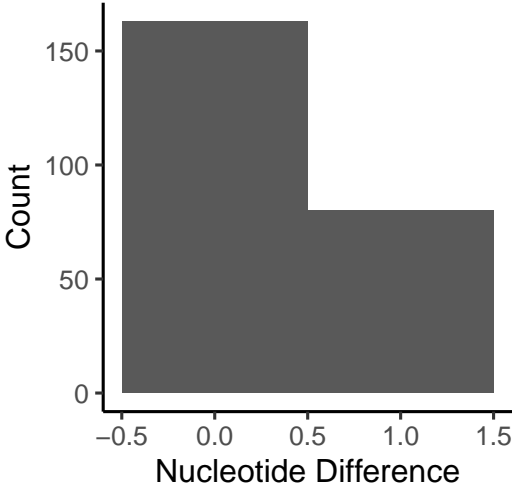
TRBV6-4*ap01

2552 sequences assigned
2519 (98.7%) exact matches, in which:
2482 unique CDR3
13 unique J



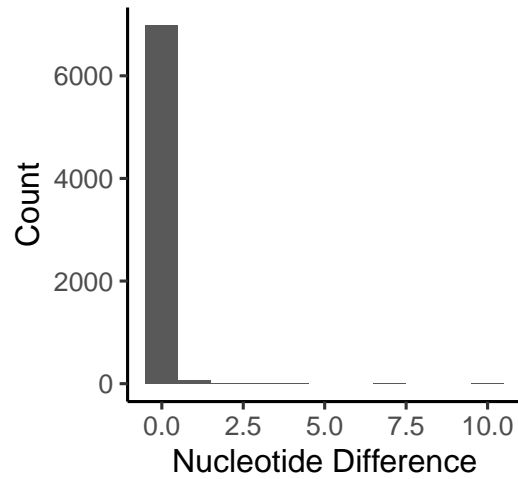
TRBV6-9*ap01

243 sequences assigned
163 (67.1%) exact matches, in which:
158 unique CDR3
13 unique J



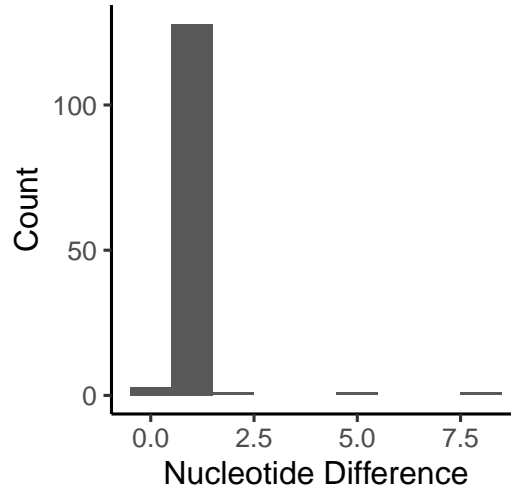
TRBV6-23*ap01

7067 sequences assigned
6982 (98.8%) exact matches, in which:
6741 unique CDR3
13 unique J



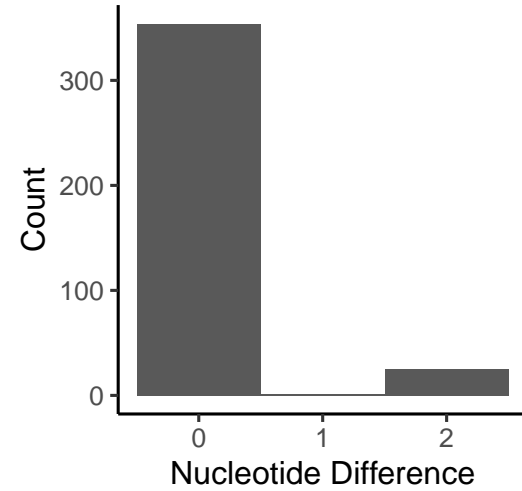
TRBV7-1*ap01_T296C

134 sequences assigned
3 (2.2%) exact matches, in which:
3 unique CDR3
3 unique J



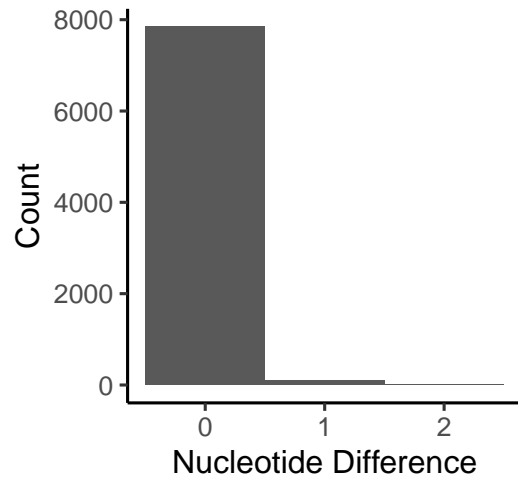
TRBV7-4*ap01

380 sequences assigned
354 (93.2%) exact matches, in which:
348 unique CDR3
13 unique J



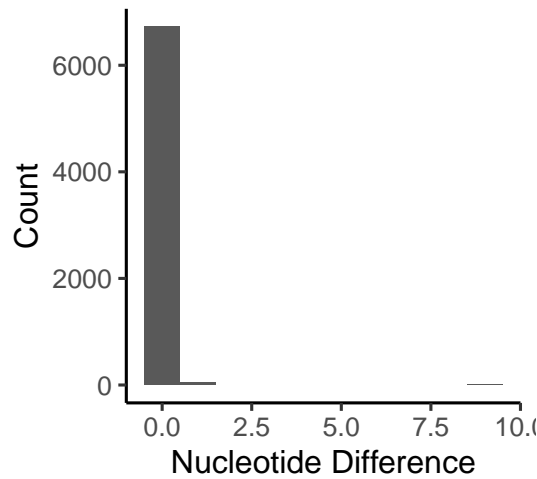
TRBV6-56*ap01

7935 sequences assigned
7846 (98.9%) exact matches, in which:
7612 unique CDR3
13 unique J



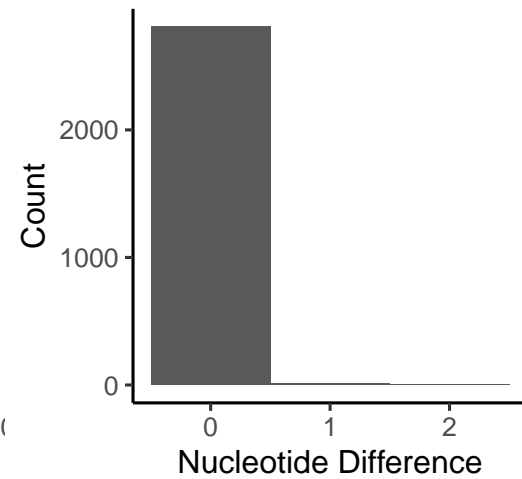
TRBV7-2*ap01

6764 sequences assigned
6723 (99.4%) exact matches, in which:
6634 unique CDR3
13 unique J



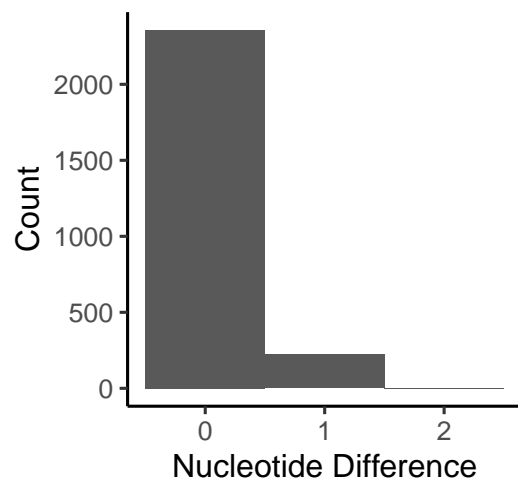
TRBV7-6*ap01

2822 sequences assigned
2809 (99.5%) exact matches, in which:
2742 unique CDR3
13 unique J



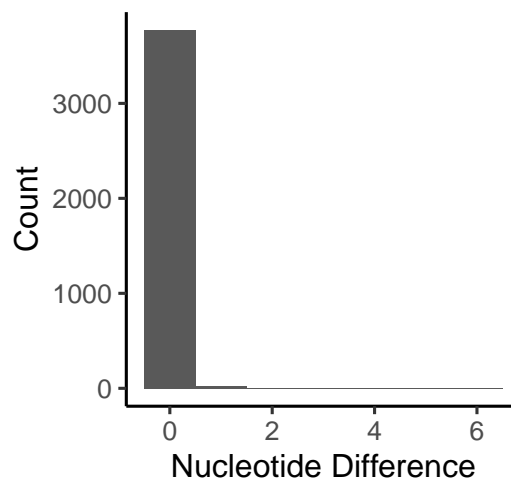
TRBV6-56*ap02

2581 sequences assigned
2357 (91.3%) exact matches, in which:
2300 unique CDR3
13 unique J



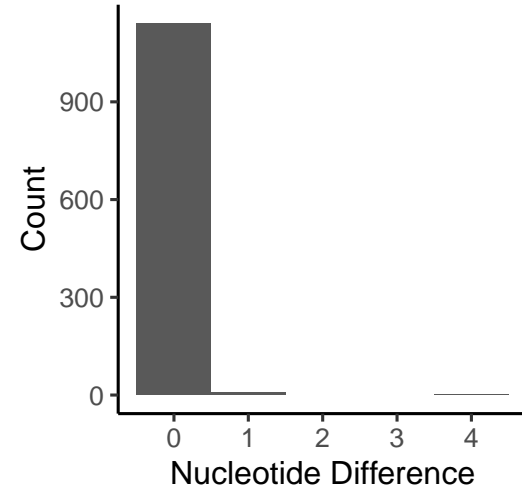
TRBV7-3*ap01

3804 sequences assigned
3772 (99.2%) exact matches, in which:
3747 unique CDR3
13 unique J



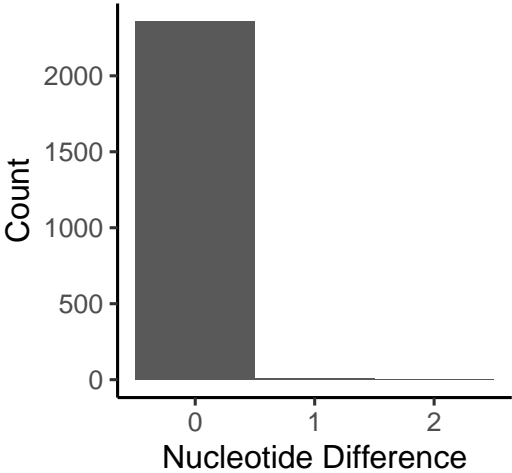
TRBV7-7*ap01_C315T

1151 sequences assigned
1141 (99.1%) exact matches, in which:
1117 unique CDR3
13 unique J



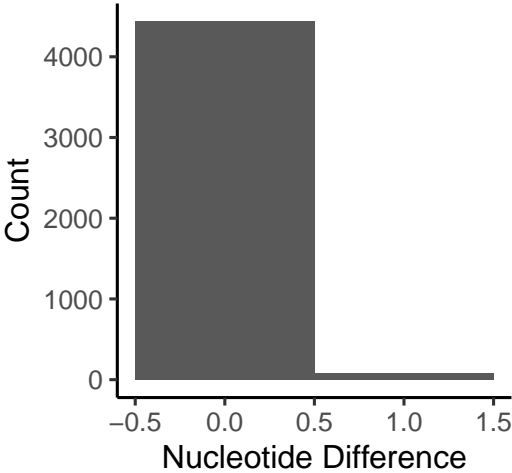
TRBV7-8*ap01

2371 sequences assigned
2358 (99.5%) exact matches, in which:
2330 unique CDR3
13 unique J



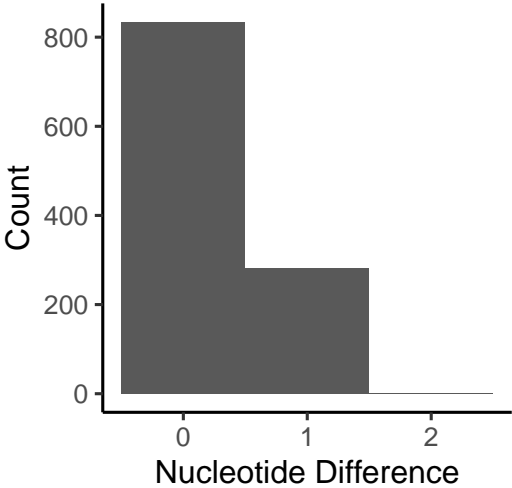
TRBV29-1*ap01

4520 sequences assigned
4438 (98.2%) exact matches, in which:
4239 unique CDR3
13 unique J



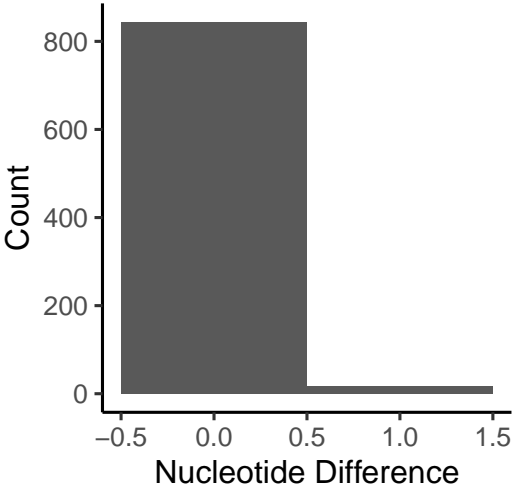
TRBV7-8*ap03

1116 sequences assigned
834 (74.7%) exact matches, in which:
825 unique CDR3
13 unique J



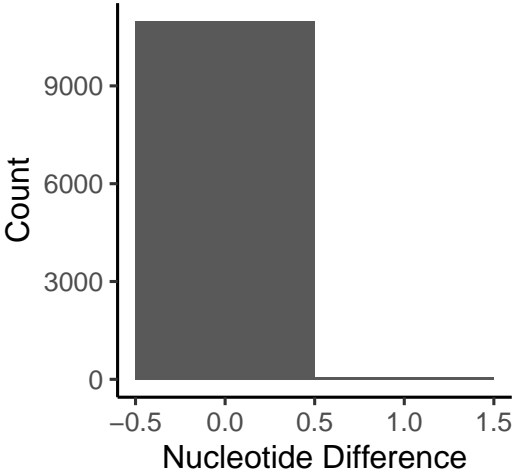
TRBV29-1*ap02

862 sequences assigned
844 (97.9%) exact matches, in which:
814 unique CDR3
13 unique J

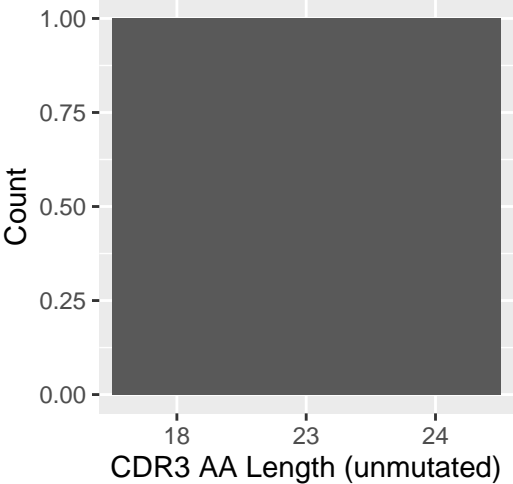


TRBV7-9*ap01

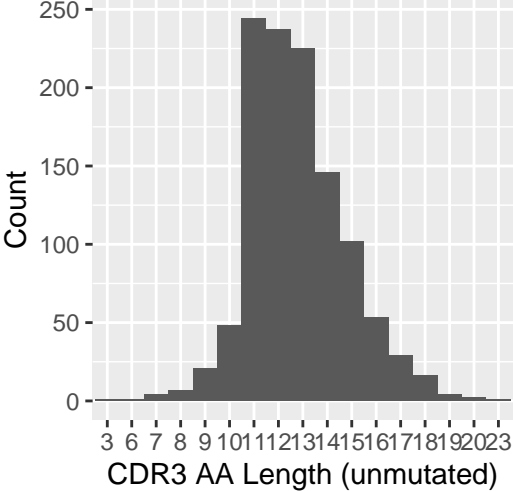
11063 sequences assigned
10988 (99.3%) exact matches, in which:
10808 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]