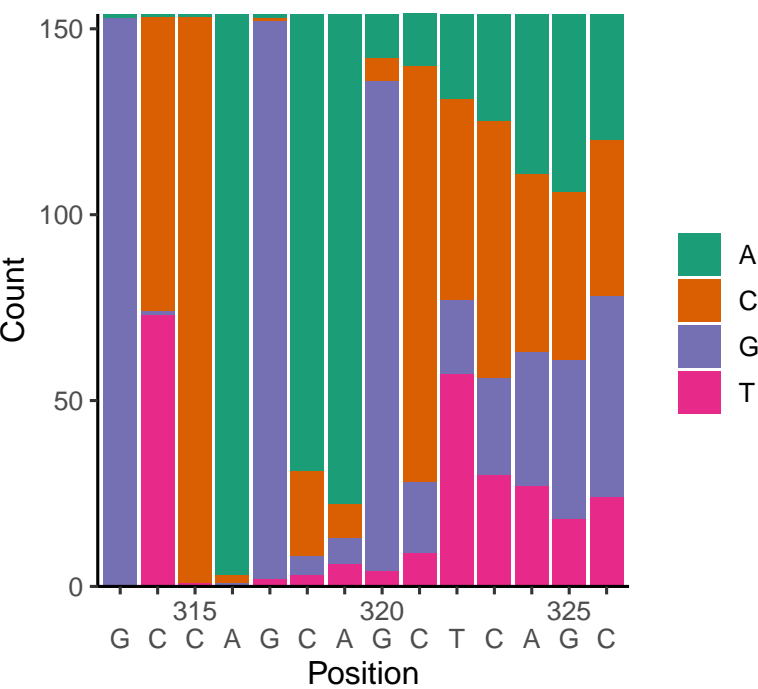
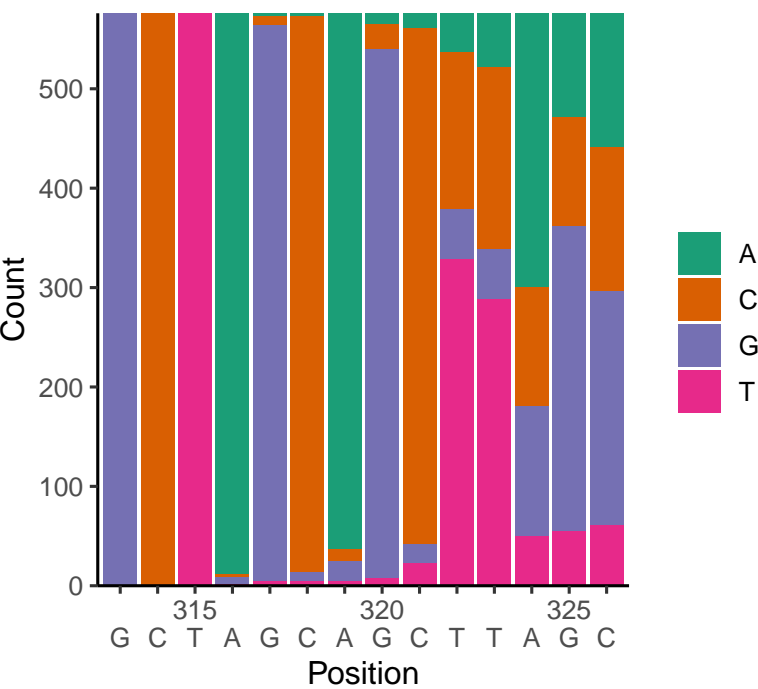


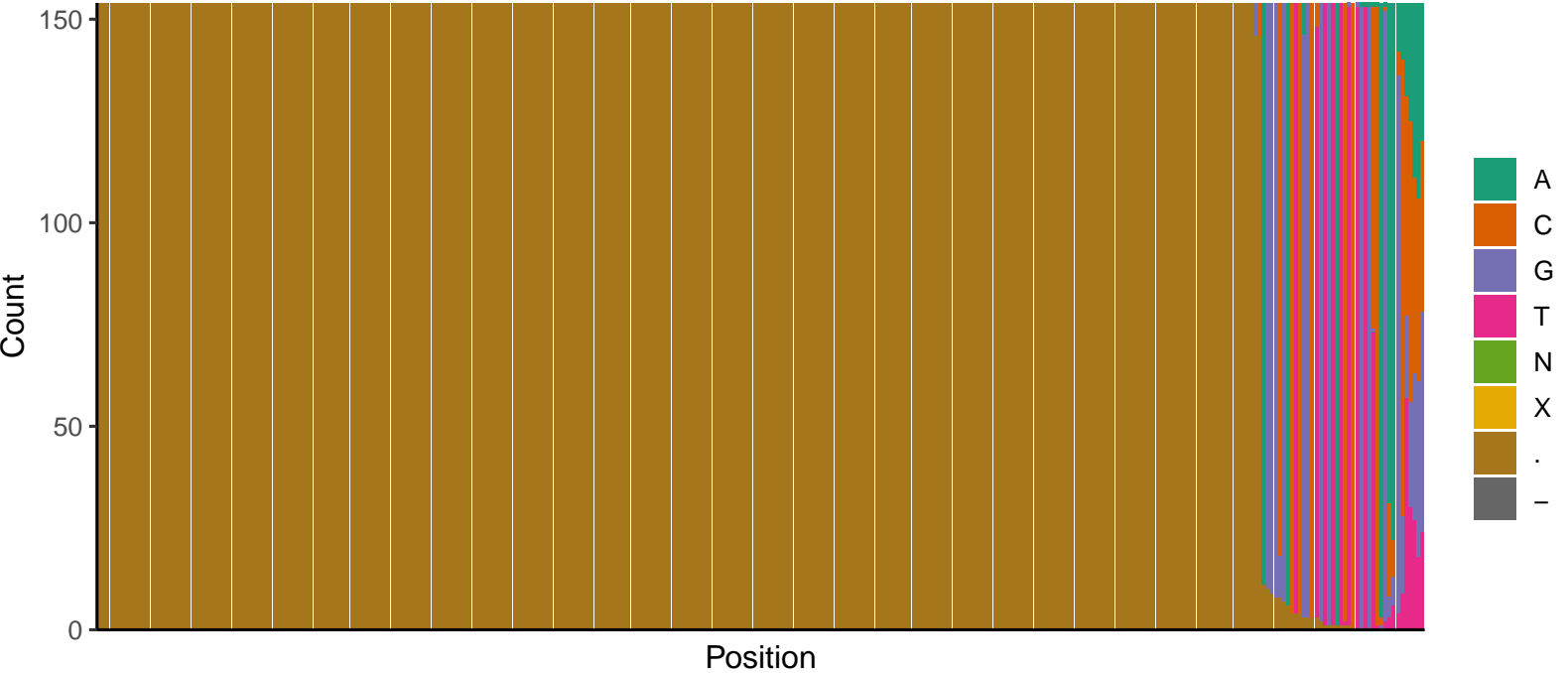
Gene TRBV7-1*ap01_T296C



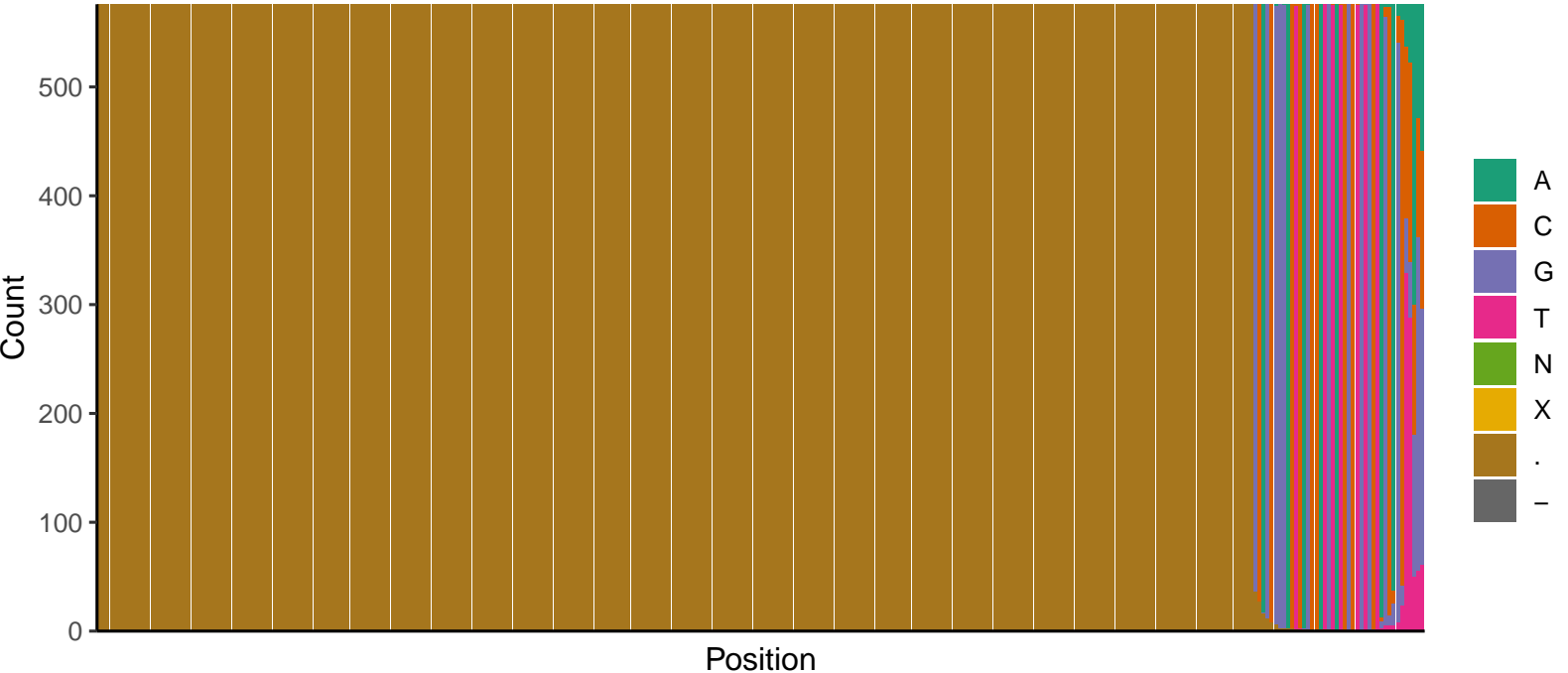
Gene TRBV7-7*ap01_C315T



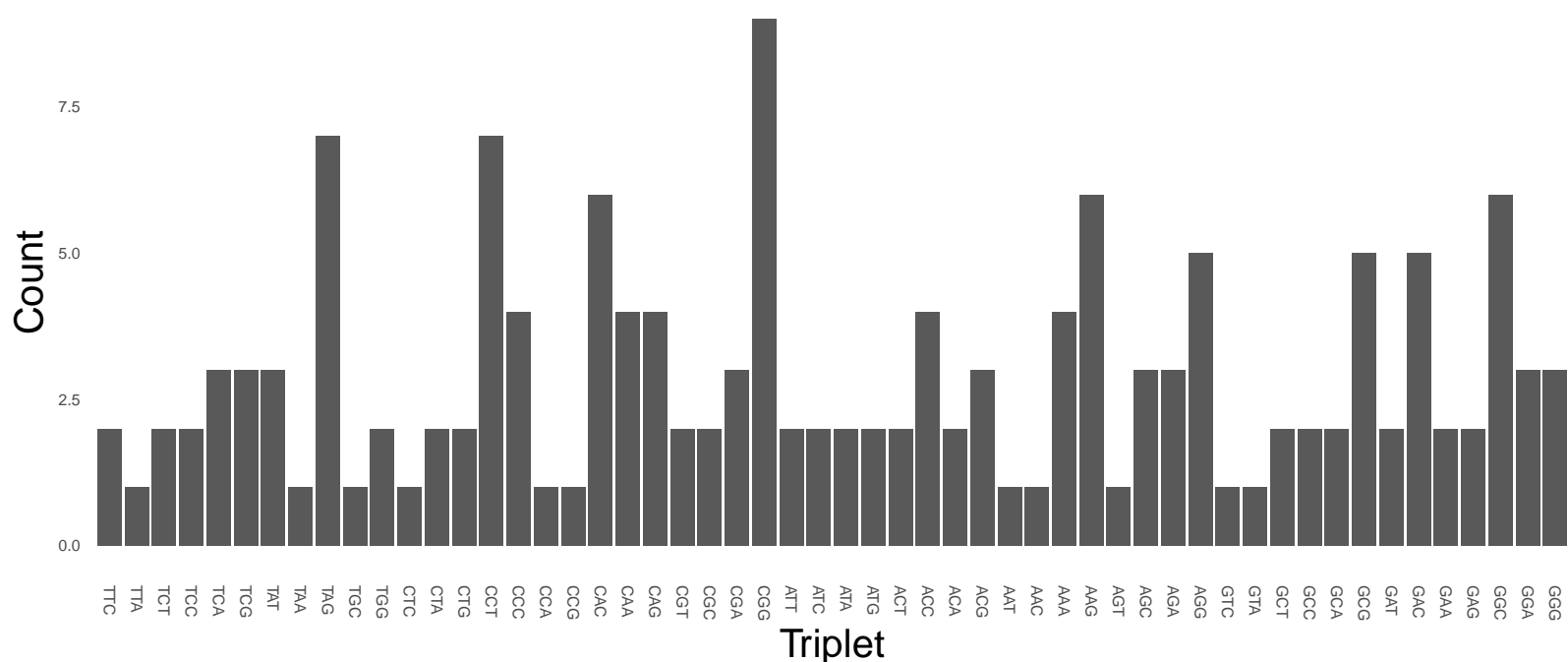
Gene TRBV7-1*ap01_T296C



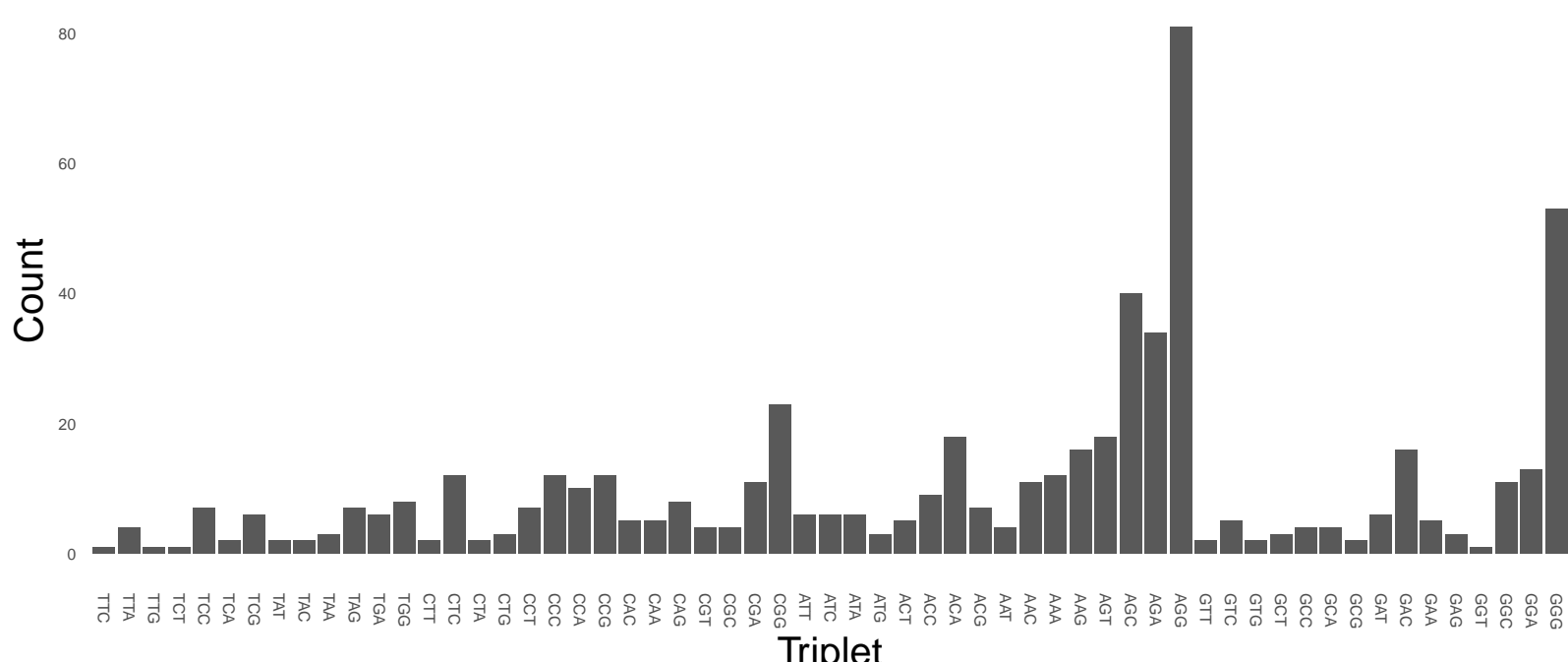
Gene TRBV7-7*ap01_C315T



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

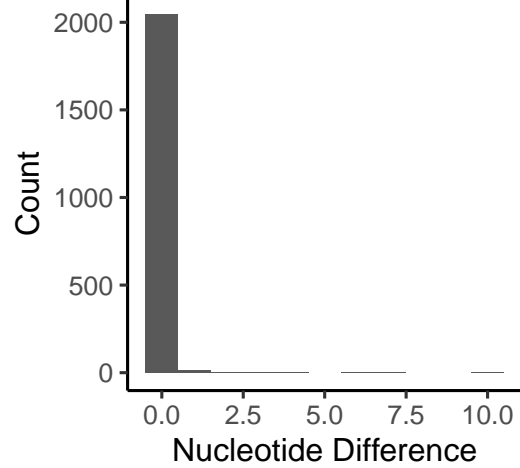


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



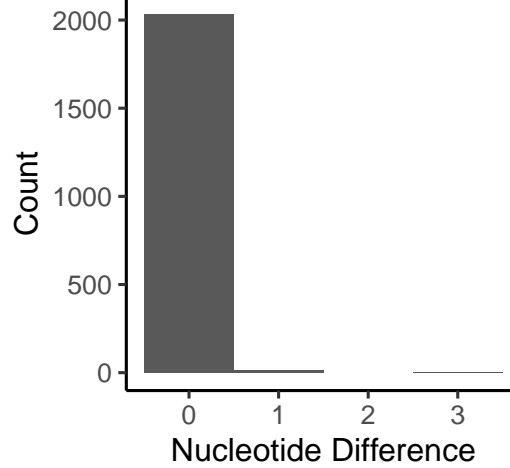
TRBV10-1*ap01

2066 sequences assigned
2045 (99%) exact matches, in which:
2008 unique CDR3
13 unique J



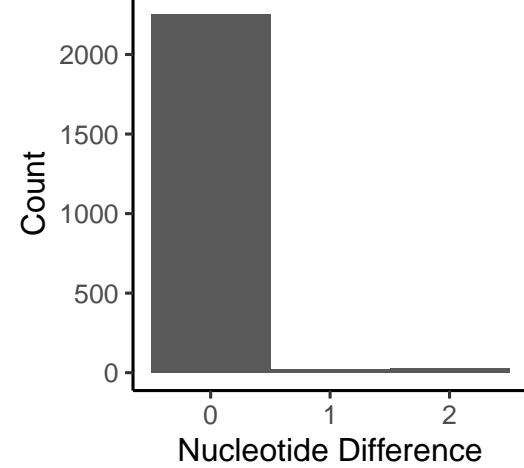
TRBV10-2*ap01

2050 sequences assigned
2032 (99.1%) exact matches, in which:
1971 unique CDR3
13 unique J



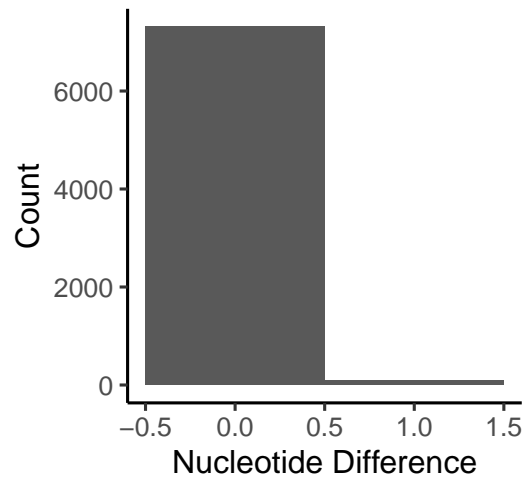
TRBV13*ap01

2302 sequences assigned
2252 (97.8%) exact matches, in which:
2195 unique CDR3
13 unique J



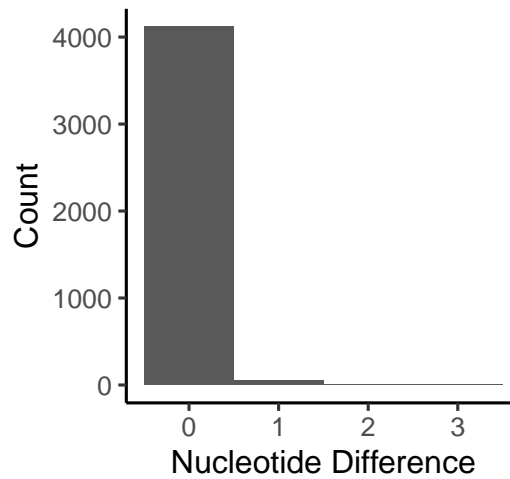
TRBV20-1*ap01

7414 sequences assigned
7312 (98.6%) exact matches, in which:
7184 unique CDR3
13 unique J



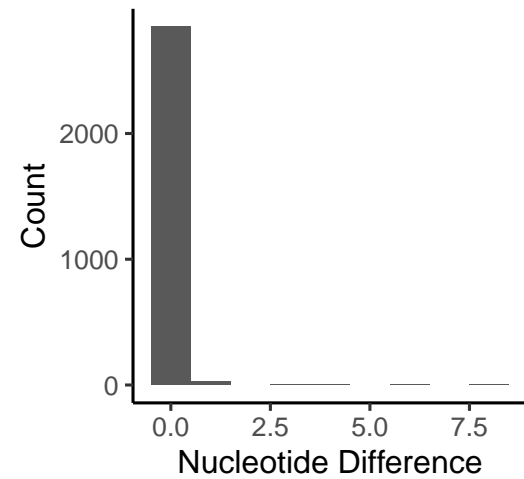
TRBV10-3*ap01

4172 sequences assigned
4119 (98.7%) exact matches, in which:
4037 unique CDR3
14 unique J



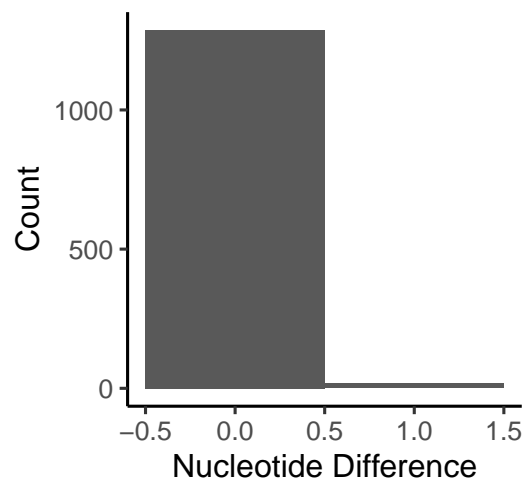
TRBV14*ap01

2883 sequences assigned
2849 (98.8%) exact matches, in which:
2792 unique CDR3
13 unique J



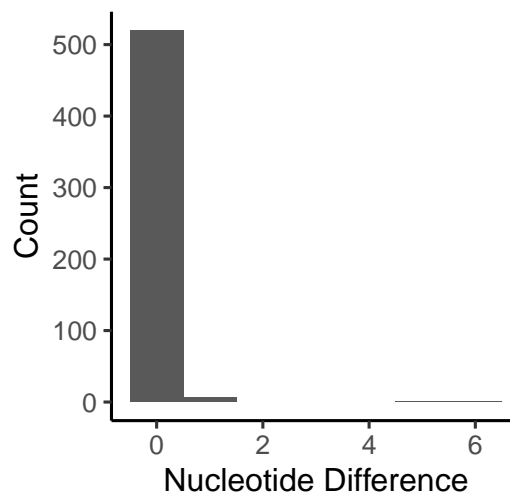
TRBV20-1*ap02

1304 sequences assigned
1287 (98.7%) exact matches, in which:
1261 unique CDR3
13 unique J



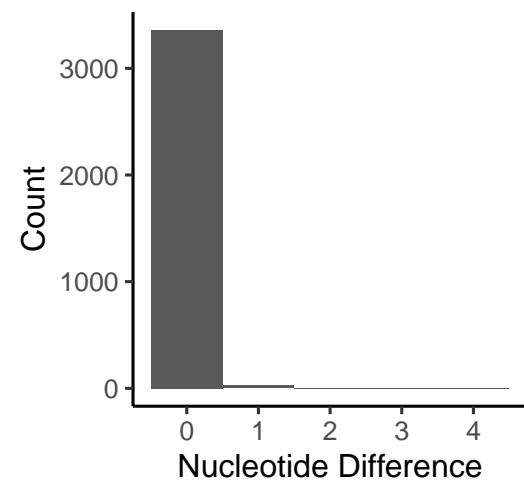
TRBV1*ap01

528 sequences assigned
520 (98.5%) exact matches, in which:
510 unique CDR3
13 unique J



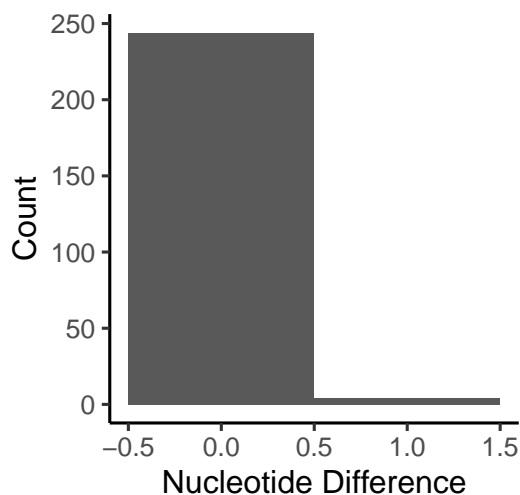
TRBV15*ap02

3390 sequences assigned
3359 (99.1%) exact matches, in which:
3284 unique CDR3
13 unique J



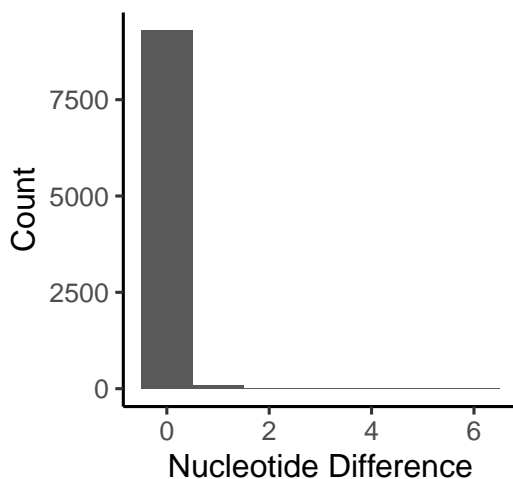
TRBV16*ap01

248 sequences assigned
244 (98.4%) exact matches, in which:
238 unique CDR3
13 unique J



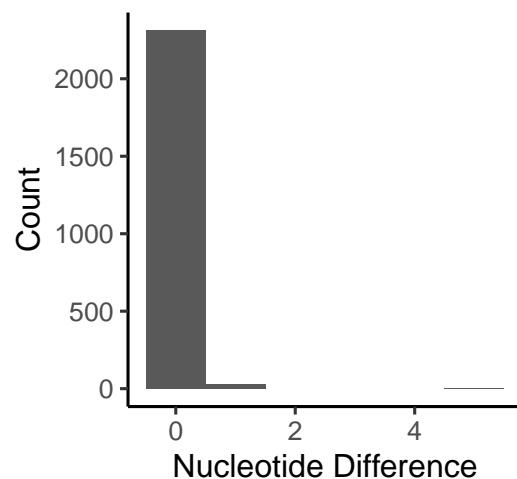
TRBV2*ap01

9406 sequences assigned
9297 (98.8%) exact matches, in which:
9094 unique CDR3
13 unique J



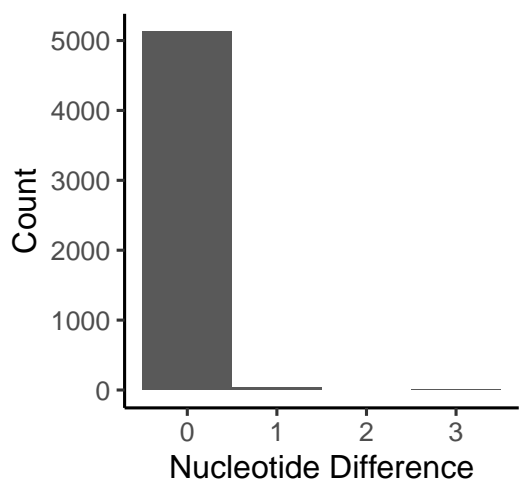
TRBV28*ap01

2342 sequences assigned
2312 (98.7%) exact matches, in which:
2264 unique CDR3
13 unique J



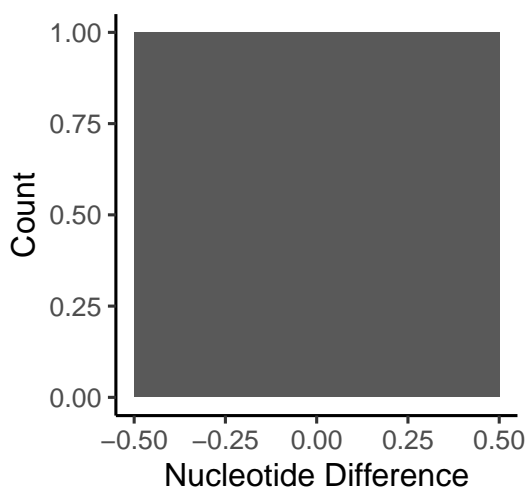
TRBV18*ap01

5159 sequences assigned
5126 (99.4%) exact matches, in which:
5044 unique CDR3
13 unique J



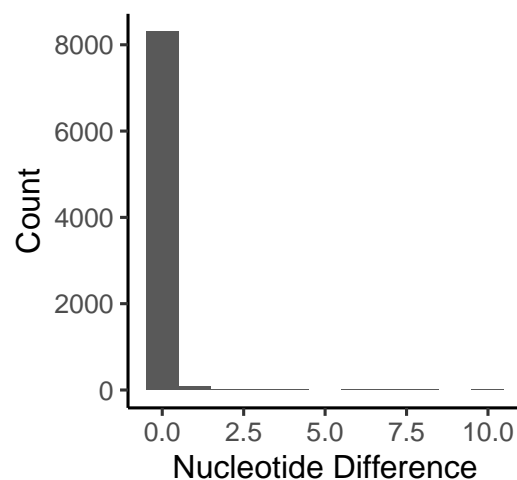
TRBV26*ap01

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



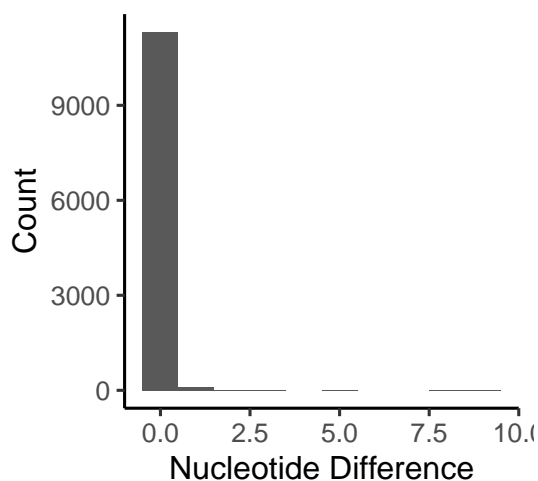
TRBV30*ap01

8407 sequences assigned
8302 (98.8%) exact matches, in which:
8170 unique CDR3
13 unique J



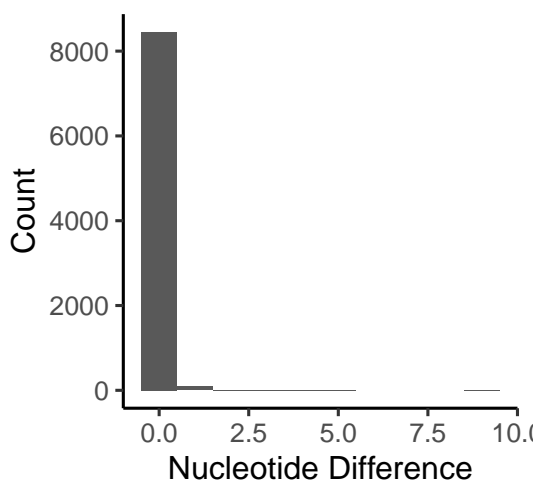
TRBV19*ap01

11443 sequences assigned
11314 (98.9%) exact matches, in which:
11155 unique CDR3
13 unique J



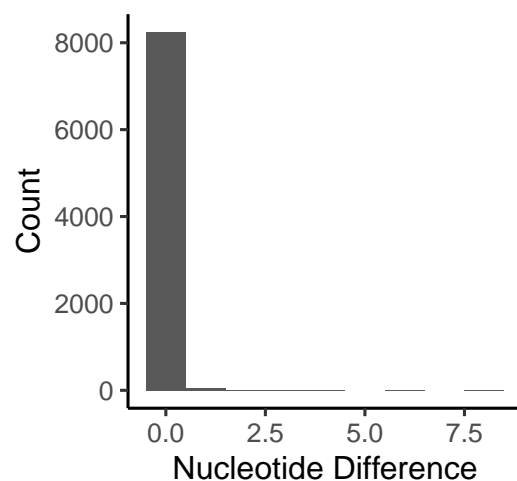
TRBV27*ap01

8548 sequences assigned
8450 (98.9%) exact matches, in which:
8299 unique CDR3
13 unique J



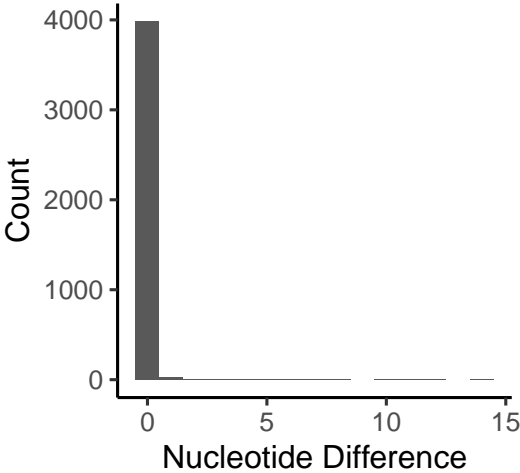
TRBV9*ap01

8316 sequences assigned
8246 (99.2%) exact matches, in which:
8109 unique CDR3
13 unique J



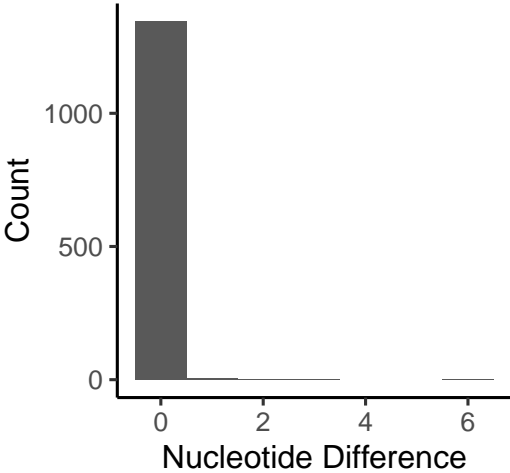
TRBV21-1*ap01

4039 sequences assigned
3983 (98.6%) exact matches, in which:
3943 unique CDR3
13 unique J



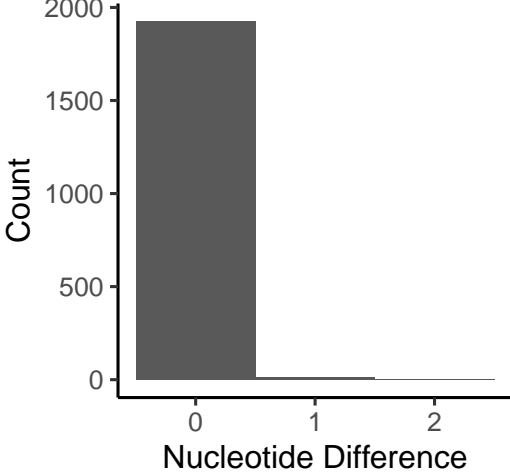
TRBV11-3*ap01

1353 sequences assigned
1345 (99.4%) exact matches, in which:
1325 unique CDR3
13 unique J



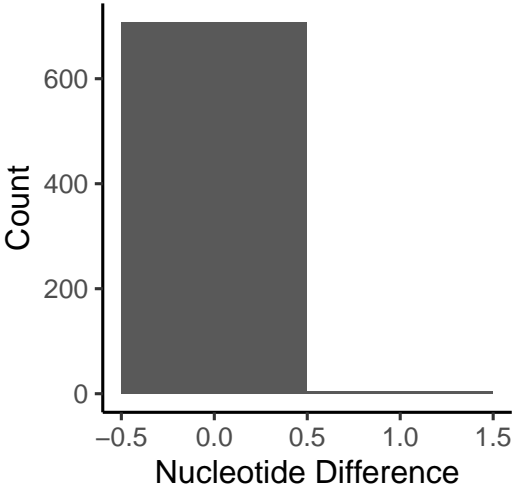
TRBV12-5*ap01

1940 sequences assigned
1925 (99.2%) exact matches, in which:
1902 unique CDR3
13 unique J



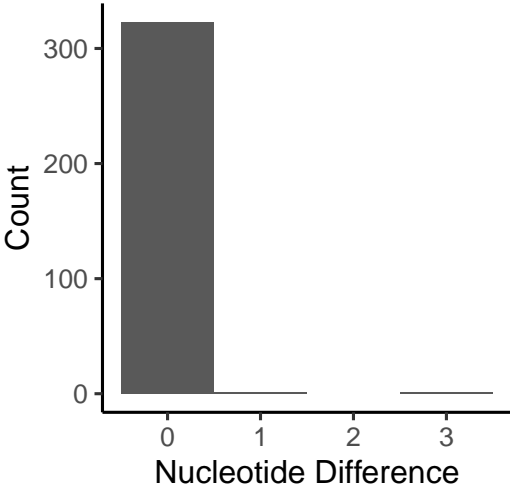
TRBV11-1*ap01

712 sequences assigned
708 (99.4%) exact matches, in which:
705 unique CDR3
13 unique J



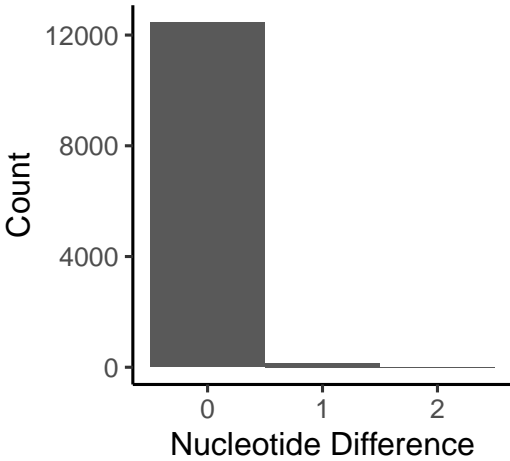
TRBV12-1*ap01

325 sequences assigned
323 (99.4%) exact matches, in which:
320 unique CDR3
13 unique J



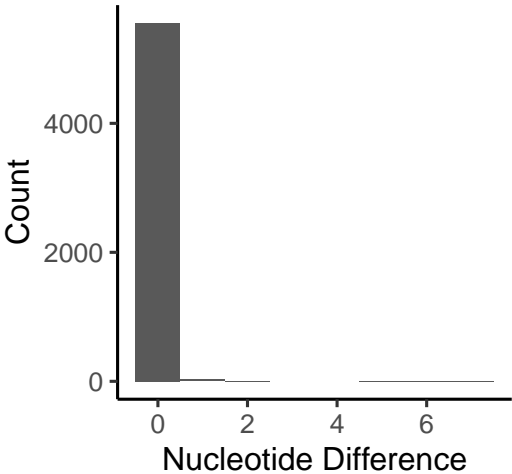
TRBV12-34*ap01

12604 sequences assigned
12455 (98.8%) exact matches, in which:
12164 unique CDR3
13 unique J



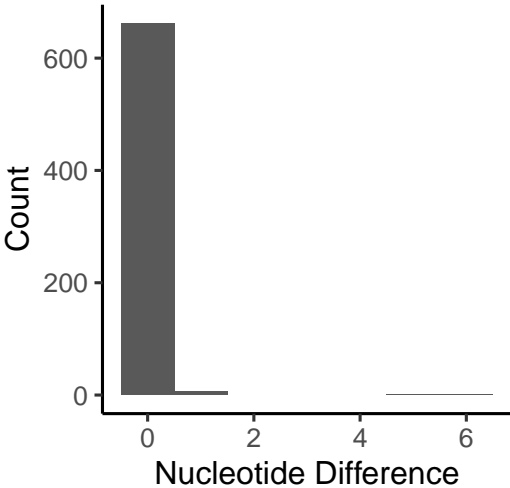
TRBV11-2*ap01

5594 sequences assigned
5555 (99.3%) exact matches, in which:
5499 unique CDR3
13 unique J



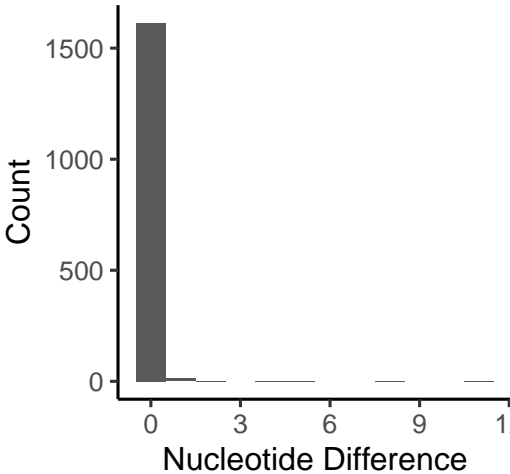
TRBV12-2*ap01

670 sequences assigned
662 (98.8%) exact matches, in which:
653 unique CDR3
13 unique J



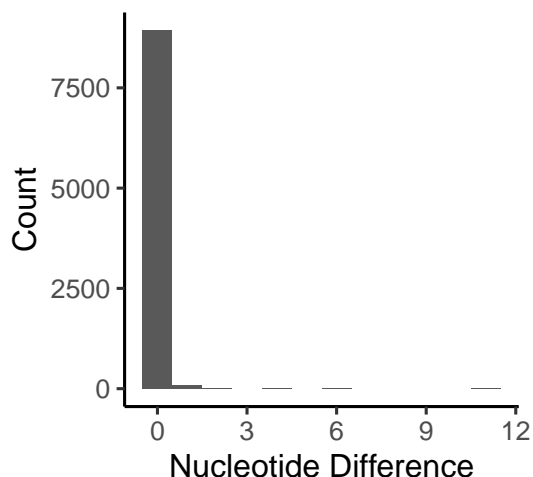
TRBV23-1*ap01

1631 sequences assigned
1613 (98.9%) exact matches, in which:
1586 unique CDR3
13 unique J



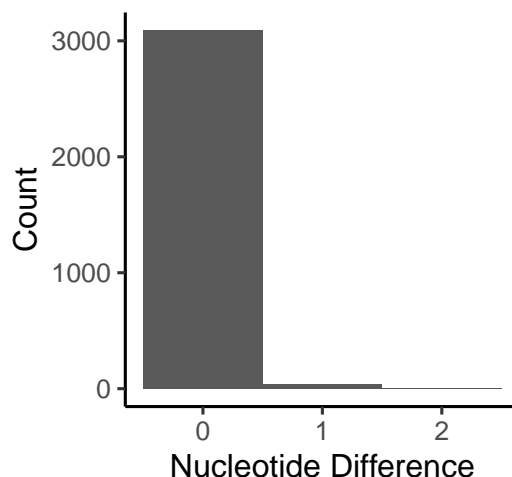
TRBV3-12*ap01

9013 sequences assigned
8932 (99.1%) exact matches, in which:
8818 unique CDR3
13 unique J



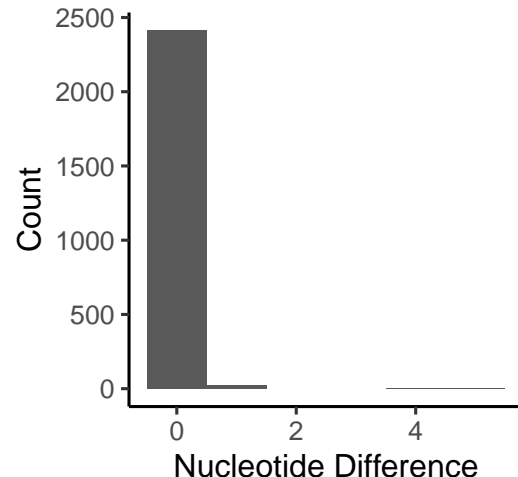
TRBV4-2*ap01

3128 sequences assigned
3090 (98.8%) exact matches, in which:
3008 unique CDR3
13 unique J



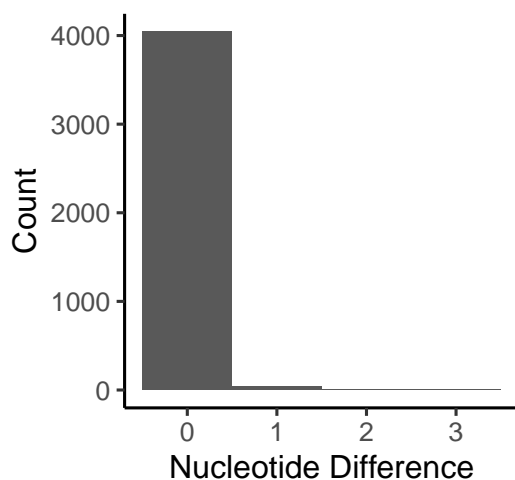
TRBV25-1*ap01

2441 sequences assigned
2413 (98.9%) exact matches, in which:
2364 unique CDR3
13 unique J



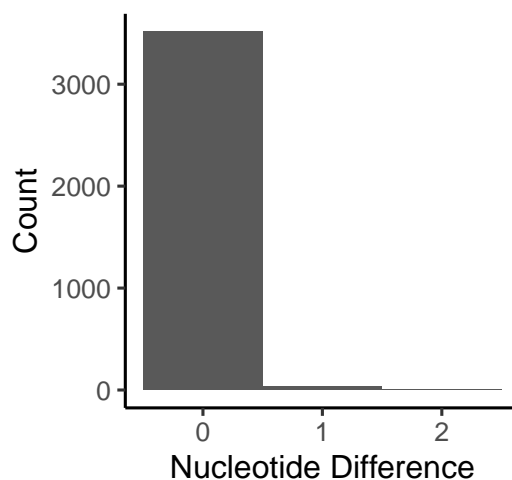
TRBV4-1*ap01

4088 sequences assigned
4043 (98.9%) exact matches, in which:
3938 unique CDR3
13 unique J



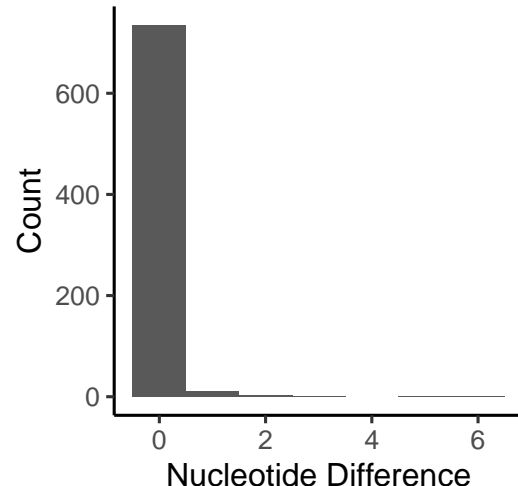
TRBV4-3*ap01

3553 sequences assigned
3515 (98.9%) exact matches, in which:
3429 unique CDR3
13 unique J



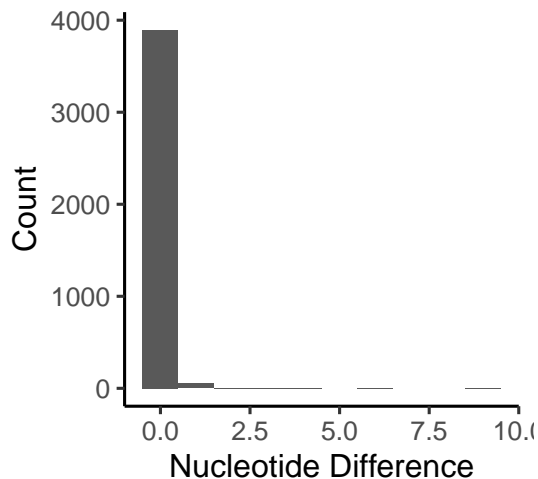
TRBV5-3*ap01

752 sequences assigned
735 (97.7%) exact matches, in which:
722 unique CDR3
13 unique J



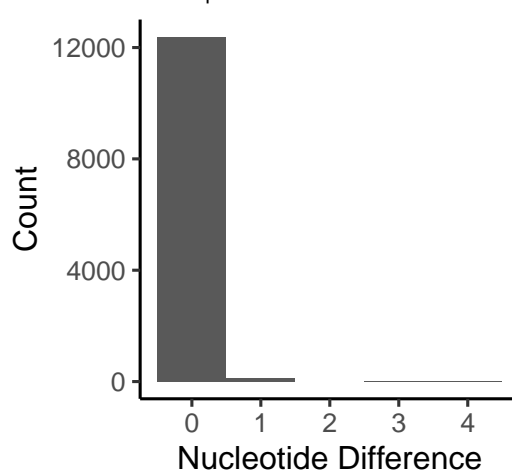
TRBV24-1*ap01

3960 sequences assigned
3893 (98.3%) exact matches, in which:
3817 unique CDR3
13 unique J



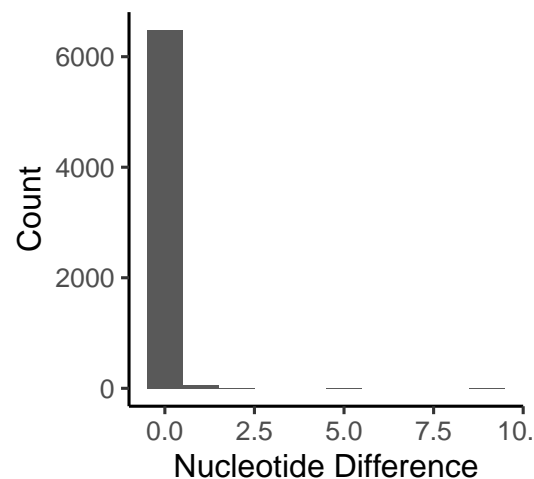
TRBV5-1*ap01

12517 sequences assigned
12386 (99%) exact matches, in which:
12052 unique CDR3
13 unique J



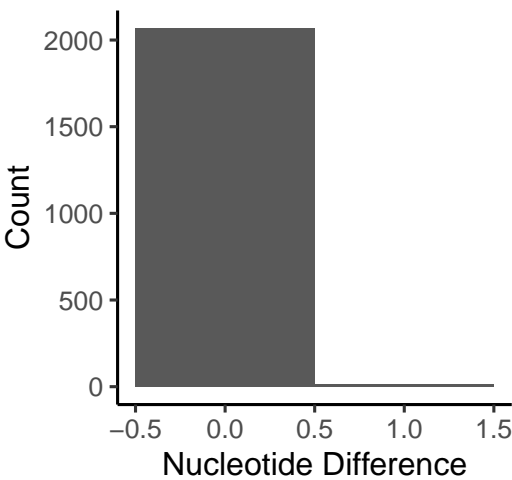
TRBV5-4*ap01

6545 sequences assigned
6482 (99%) exact matches, in which:
6327 unique CDR3
13 unique J



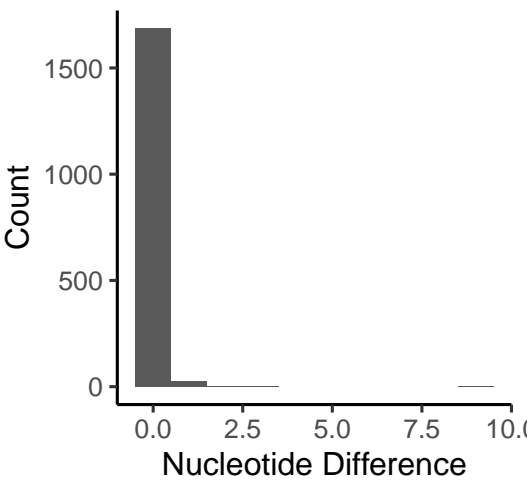
TRBV5-5*ap01

2083 sequences assigned
2067 (99.2%) exact matches, in which:
2056 unique CDR3
13 unique J



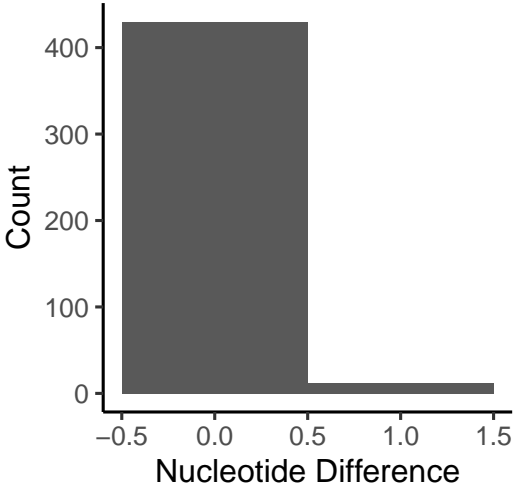
TRBV5-8*ap01

1714 sequences assigned
1686 (98.4%) exact matches, in which:
1651 unique CDR3
13 unique J



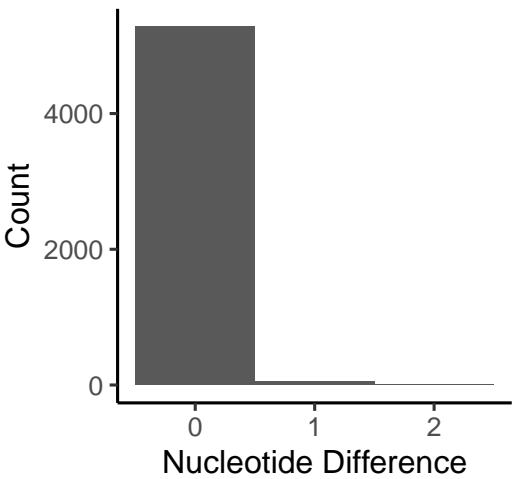
TRBV6-7*ap01

442 sequences assigned
430 (97.3%) exact matches, in which:
409 unique CDR3
13 unique J



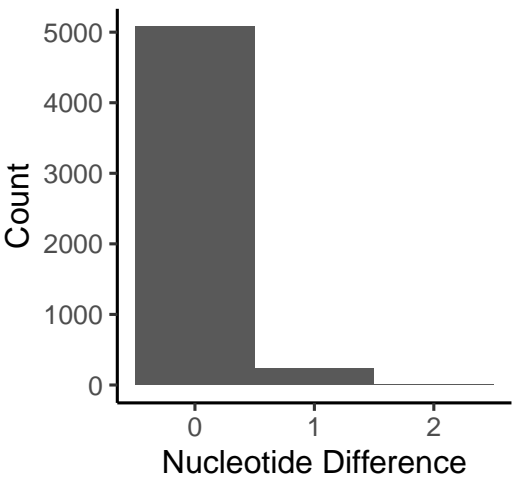
TRBV5-6*ap01

5328 sequences assigned
5279 (99.1%) exact matches, in which:
5138 unique CDR3
13 unique J



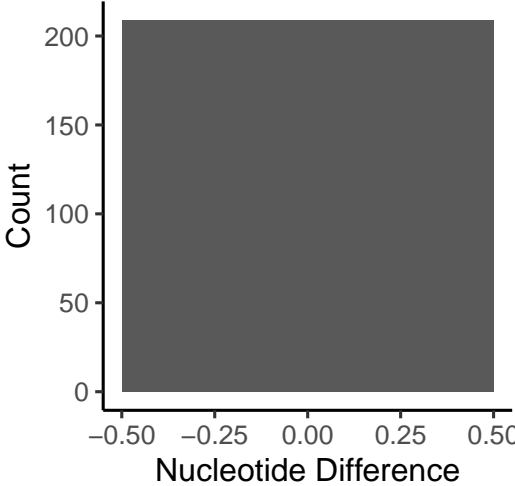
TRBV6-1*ap01

5315 sequences assigned
5077 (95.5%) exact matches, in which:
4953 unique CDR3
13 unique J



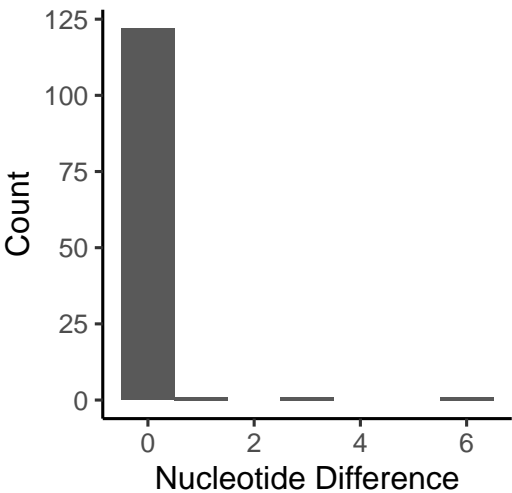
TRBV6-8*ap01

209 sequences assigned
209 (100%) exact matches, in which:
202 unique CDR3
13 unique J



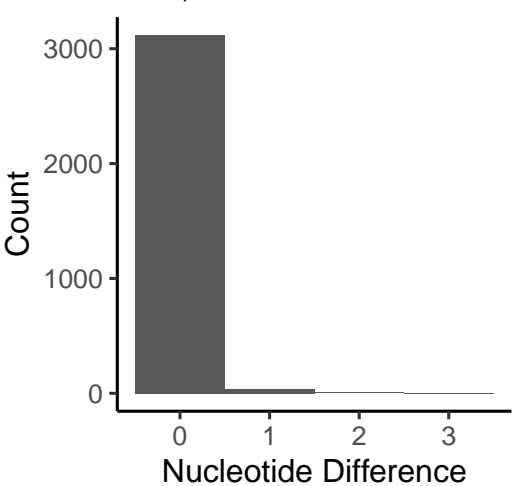
TRBV5-7*ap01

125 sequences assigned
122 (97.6%) exact matches, in which:
119 unique CDR3
12 unique J



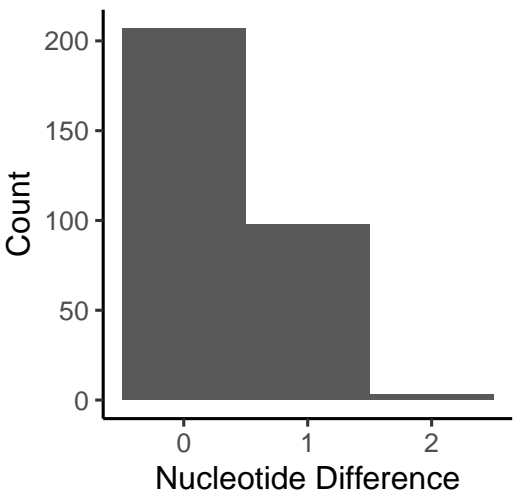
TRBV6-4*ap01

3166 sequences assigned
3119 (98.5%) exact matches, in which:
3076 unique CDR3
13 unique J



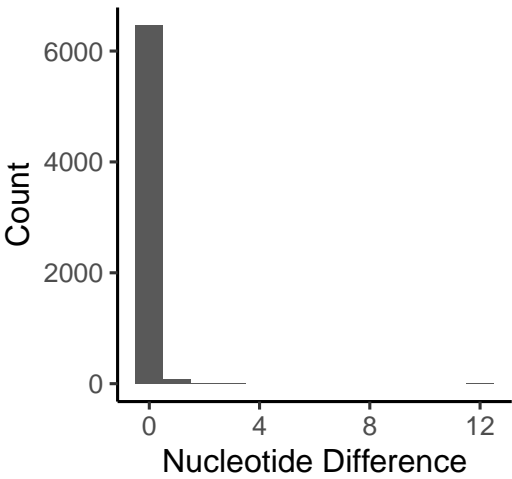
TRBV6-9*ap01

308 sequences assigned
207 (67.2%) exact matches, in which:
195 unique CDR3
13 unique J



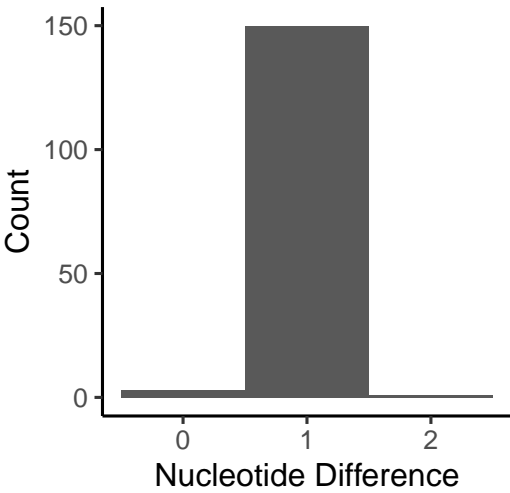
TRBV6-23*ap01

6543 sequences assigned
6462 (98.8%) exact matches, in which:
6290 unique CDR3
13 unique J



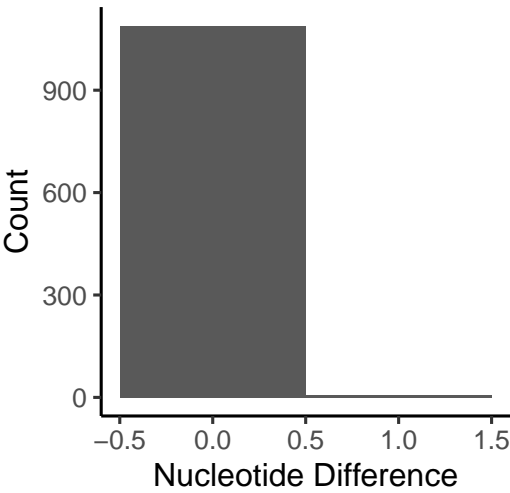
TRBV7-1*ap01_T296C

154 sequences assigned
3 (1.9%) exact matches, in which:
3 unique CDR3
2 unique J



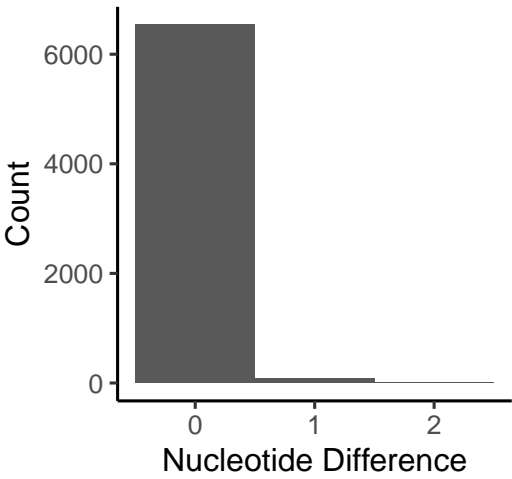
TRBV7-3*ap03

1097 sequences assigned
1089 (99.3%) exact matches, in which:
1072 unique CDR3
13 unique J



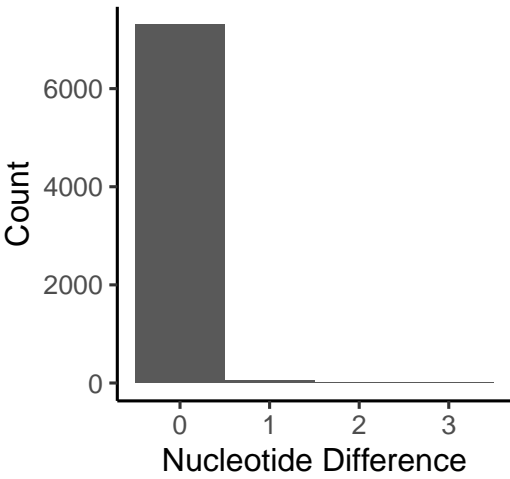
TRBV6-56*ap01

6615 sequences assigned
6538 (98.8%) exact matches, in which:
6364 unique CDR3
13 unique J



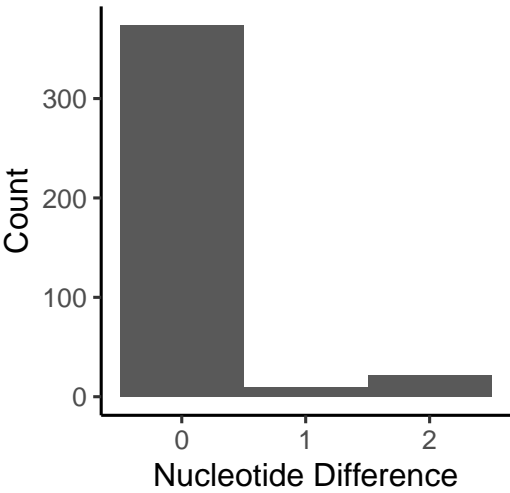
TRBV7-2*ap01

7365 sequences assigned
7302 (99.1%) exact matches, in which:
7158 unique CDR3
13 unique J



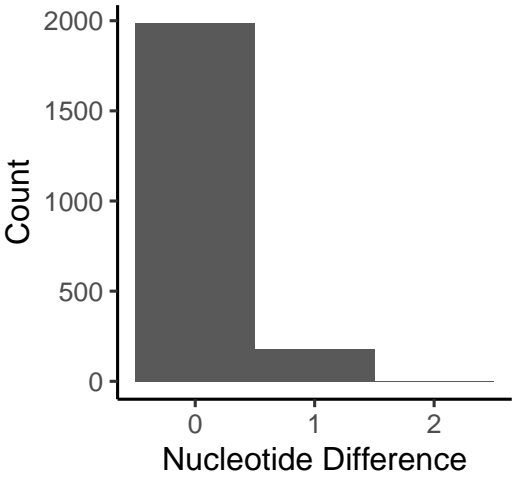
TRBV7-4*ap01

406 sequences assigned
374 (92.1%) exact matches, in which:
368 unique CDR3
13 unique J



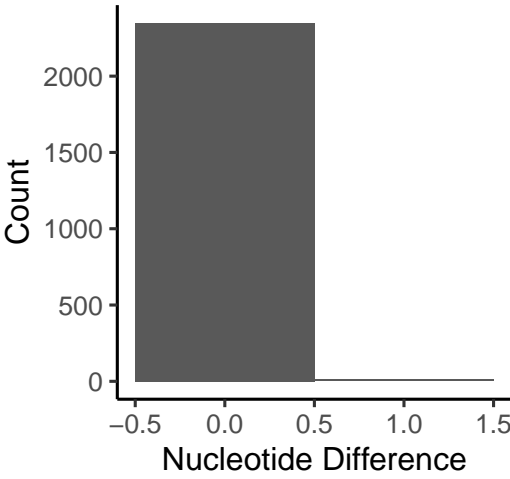
TRBV6-56*ap02

2167 sequences assigned
1987 (91.7%) exact matches, in which:
1942 unique CDR3
13 unique J



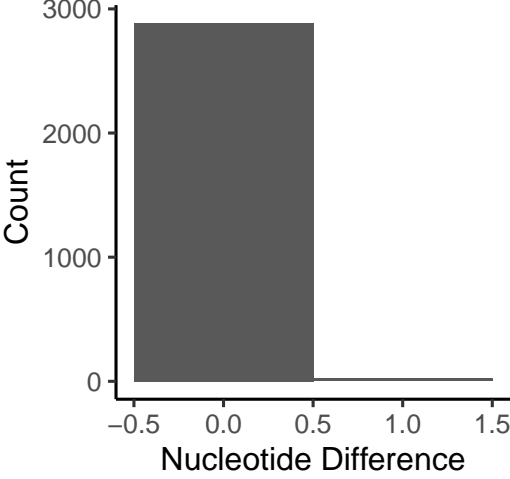
TRBV7-3*ap01

2360 sequences assigned
2348 (99.5%) exact matches, in which:
2312 unique CDR3
13 unique J



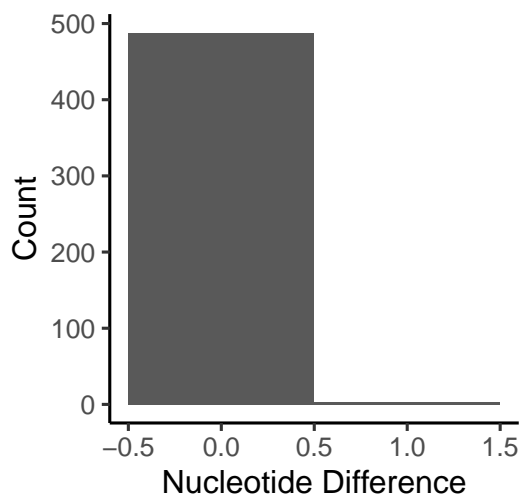
TRBV7-6*ap01

2909 sequences assigned
2886 (99.2%) exact matches, in which:
2825 unique CDR3
13 unique J



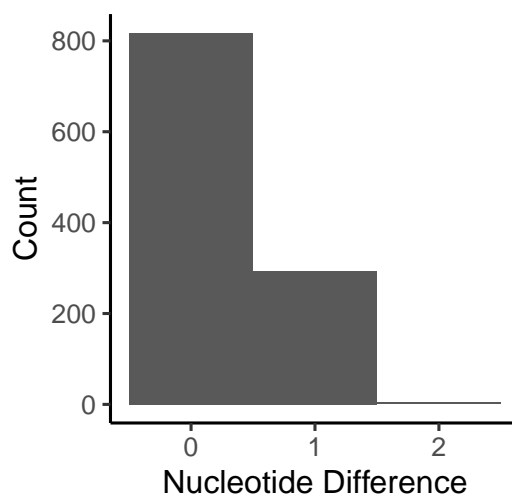
TRBV7-7*ap01

491 sequences assigned
488 (99.4%) exact matches, in which:
477 unique CDR3
13 unique J



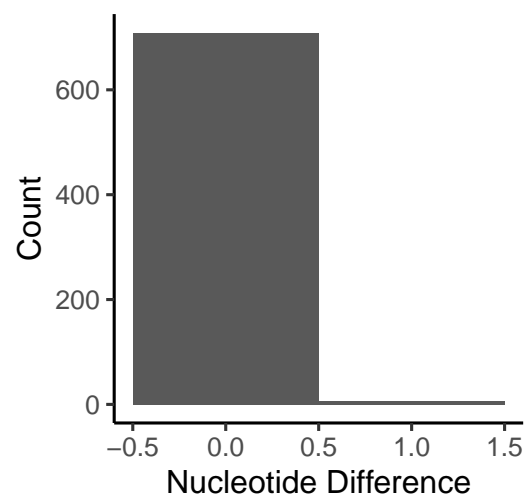
TRBV7-8*ap03

1116 sequences assigned
818 (73.3%) exact matches, in which:
799 unique CDR3
13 unique J



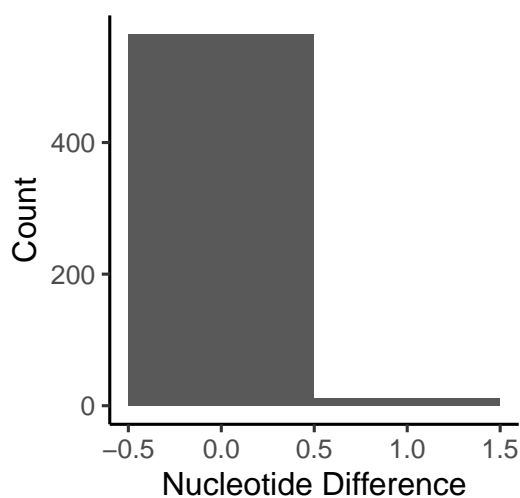
TRBV29-1*ap02

715 sequences assigned
709 (99.2%) exact matches, in which:
695 unique CDR3
13 unique J



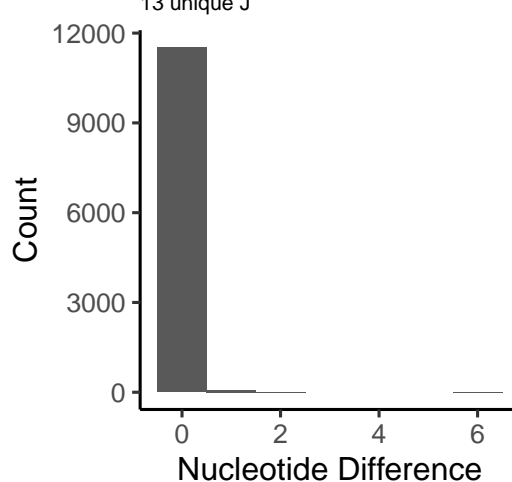
TRBV7-7*ap01_C315T

576 sequences assigned
565 (98.1%) exact matches, in which:
554 unique CDR3
13 unique J



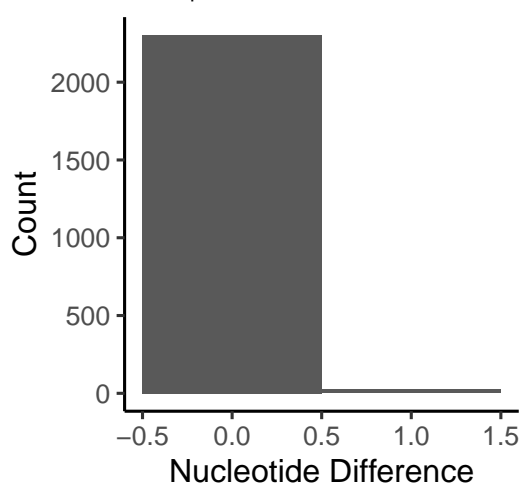
TRBV7-9*ap01

11606 sequences assigned
11520 (99.3%) exact matches, in which:
11290 unique CDR3
13 unique J



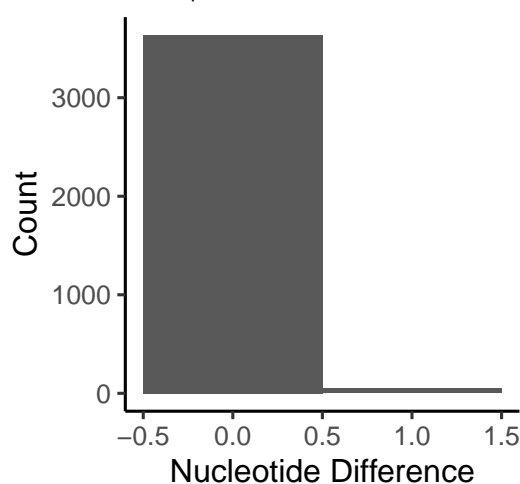
TRBV7-8*ap01

2327 sequences assigned
2303 (99%) exact matches, in which:
2259 unique CDR3
13 unique J

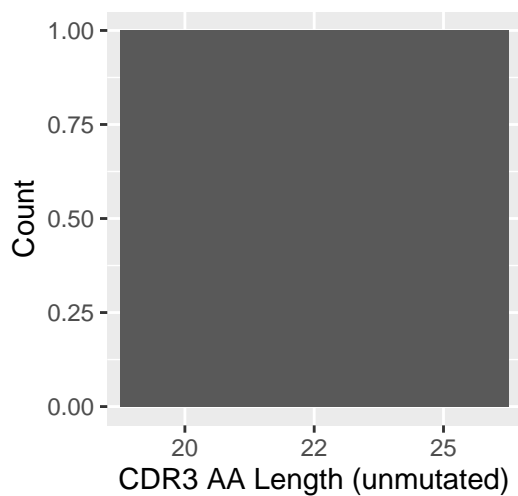


TRBV29-1*ap01

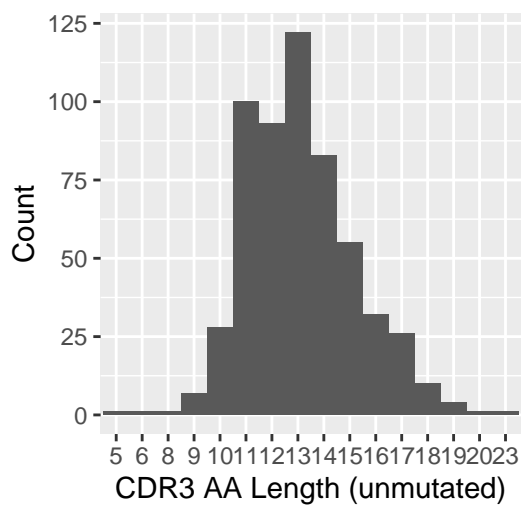
3683 sequences assigned
3636 (98.7%) exact matches, in which:
3563 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]