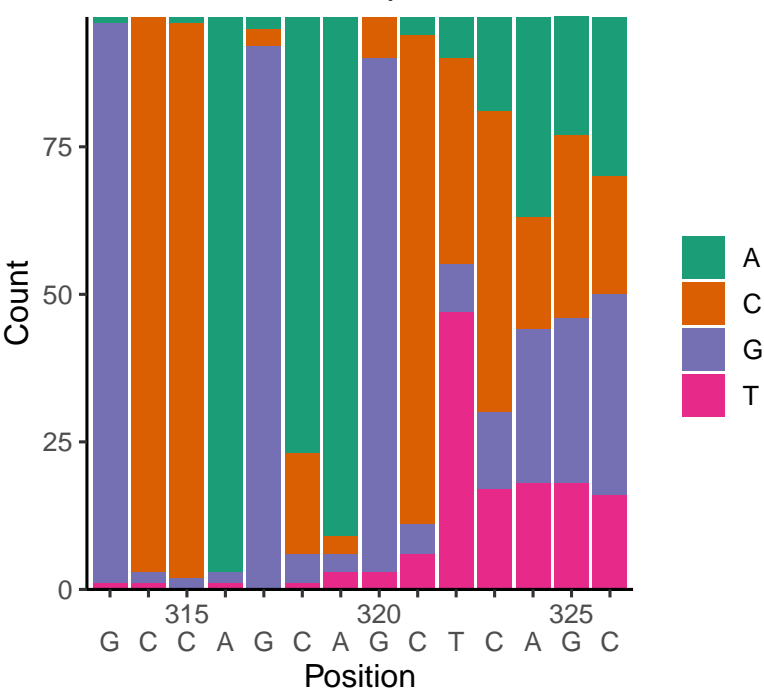
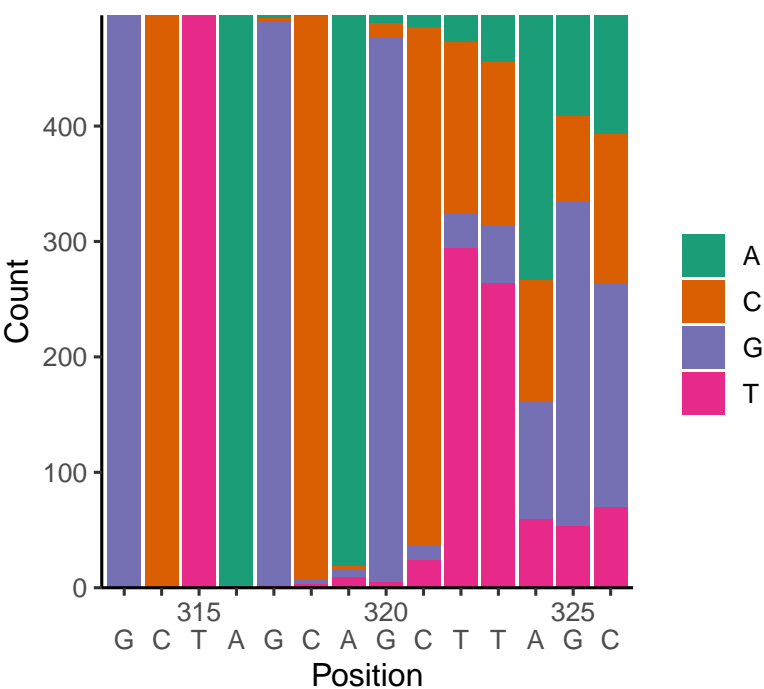


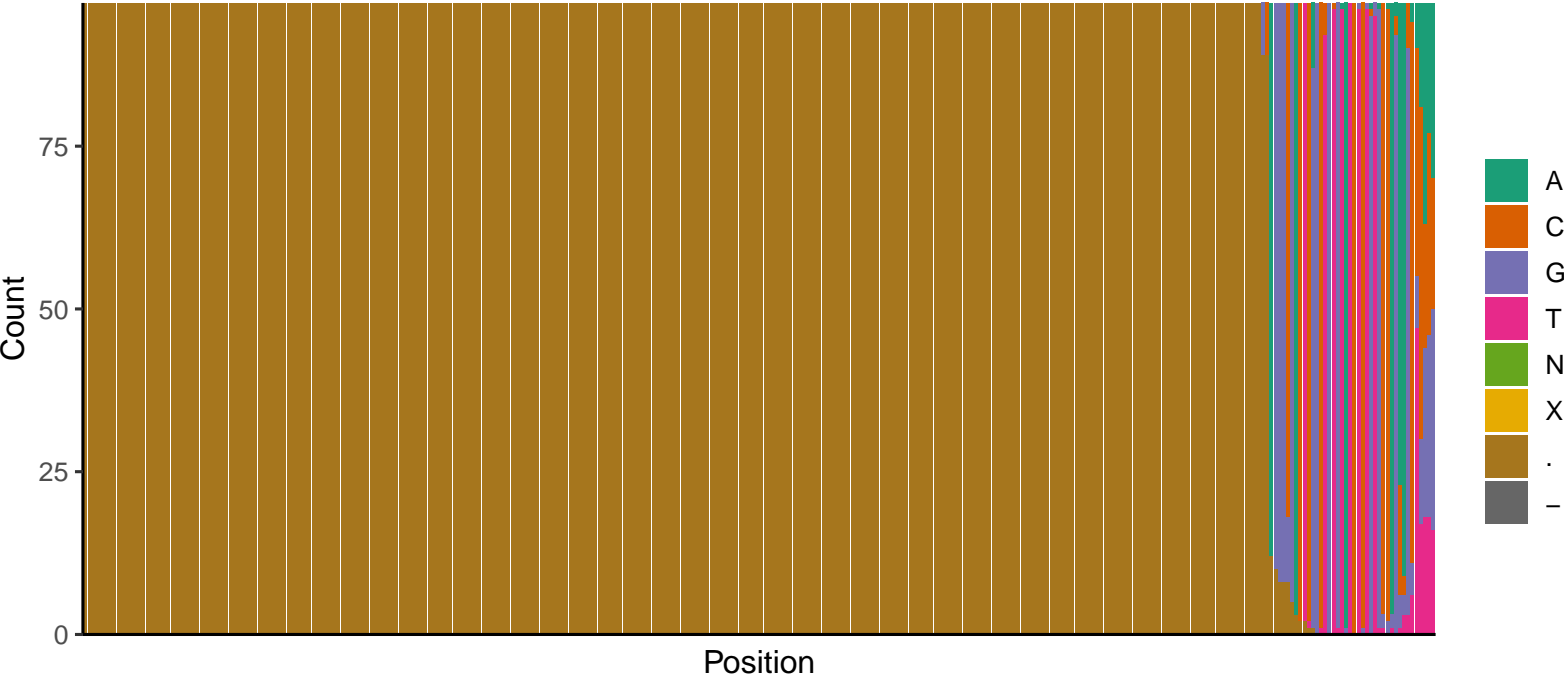
Gene TRBV7-1*ap01_T296C



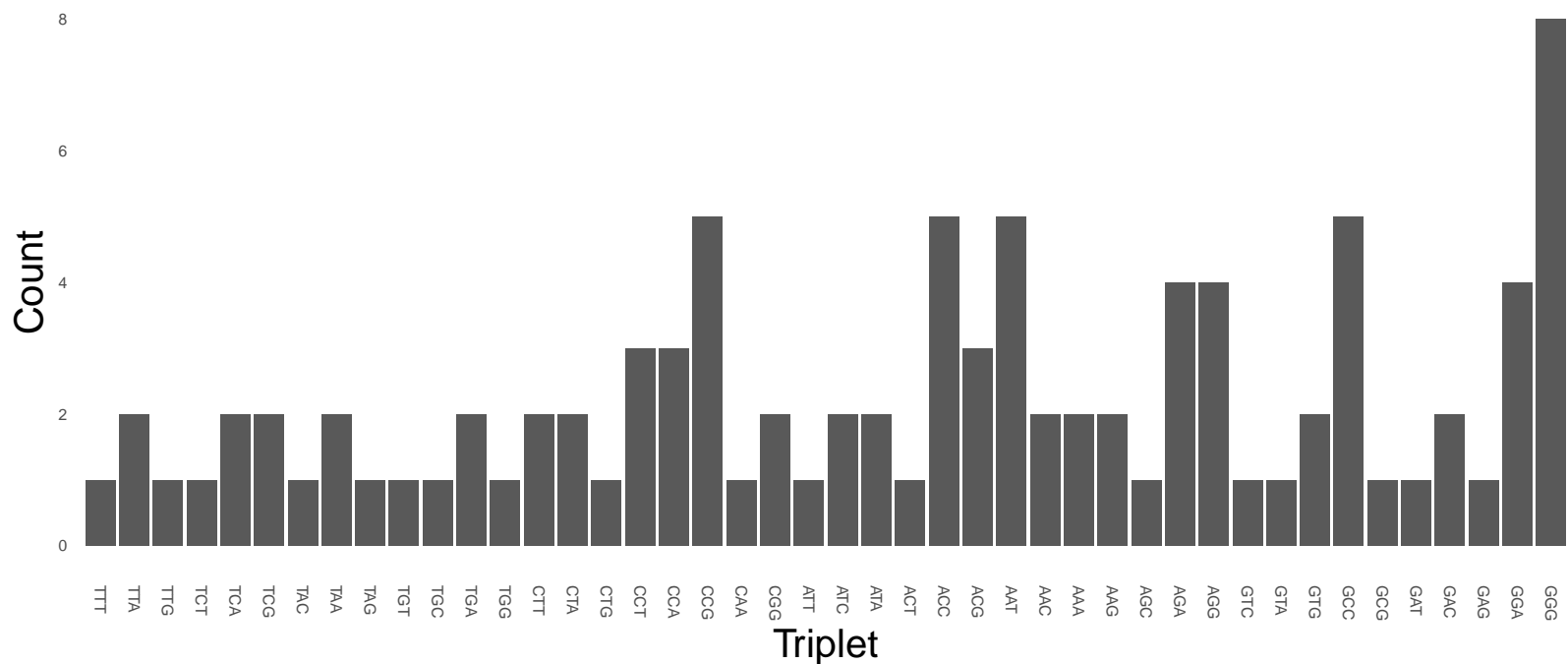
Gene TRBV7-7*ap01_C315T



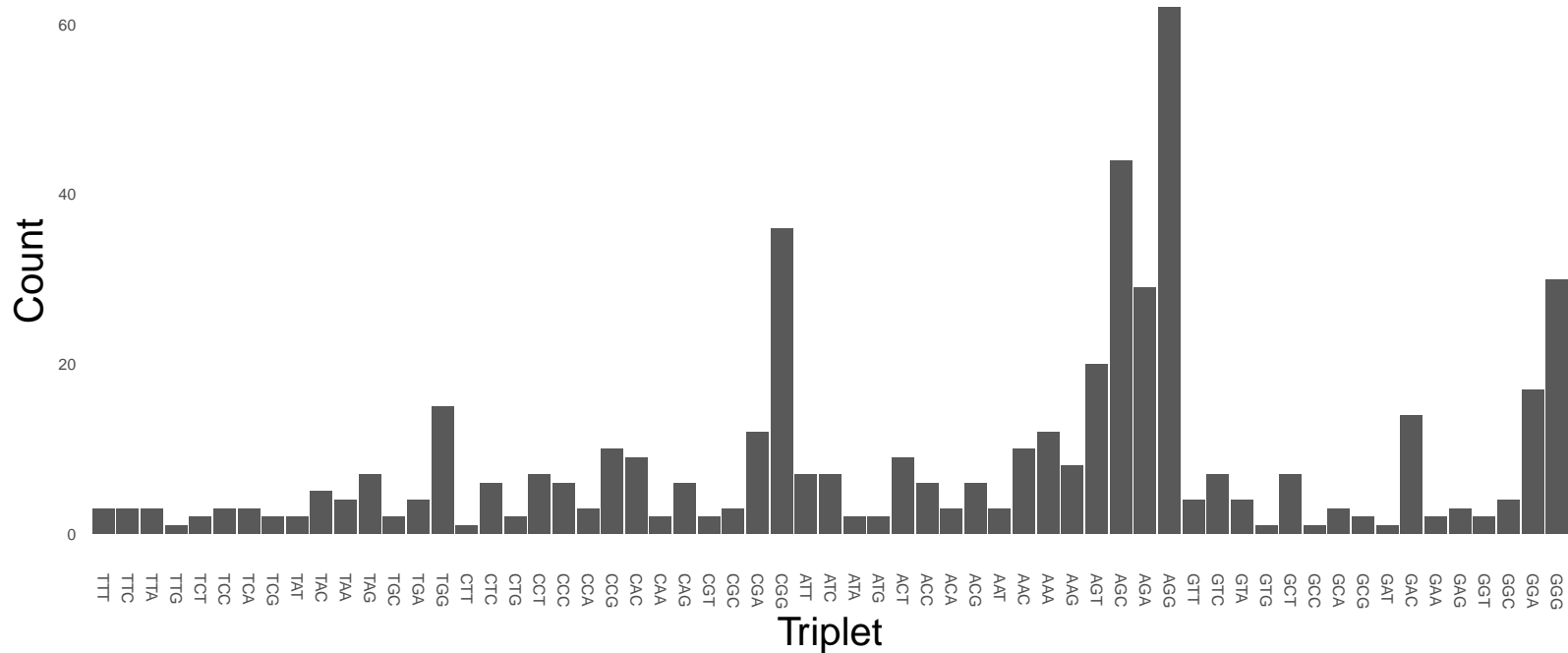
Gene TRBV7-1*ap01_T296C



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

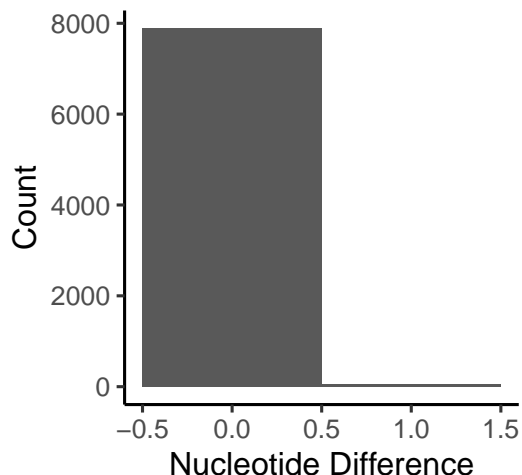


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



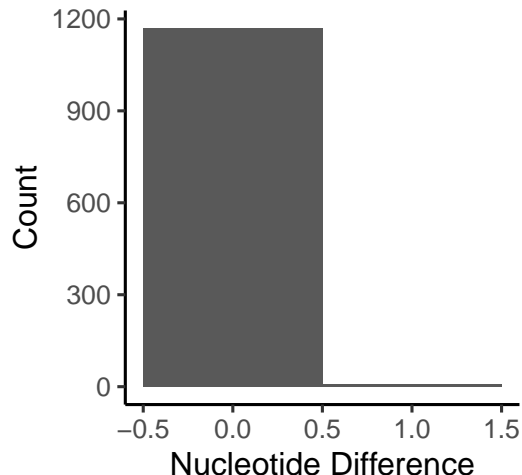
TRBV20-1*ap01

7933 sequences assigned
7887 (99.4%) exact matches, in which:
7823 unique CDR3
13 unique J



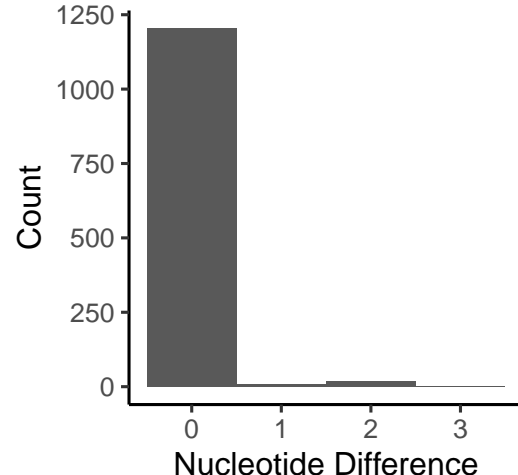
TRBV10-2*ap01

1177 sequences assigned
1169 (99.3%) exact matches, in which:
1157 unique CDR3
13 unique J



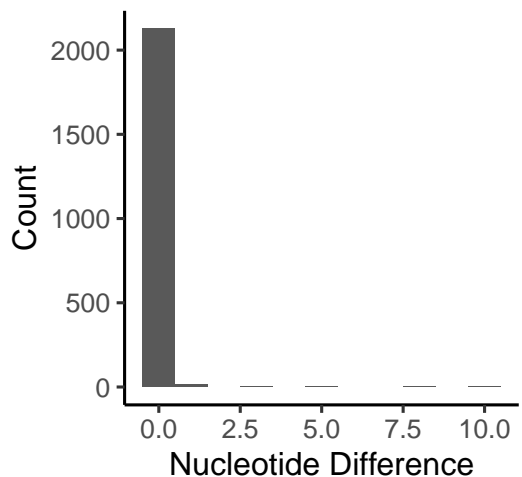
TRBV13*ap01

1234 sequences assigned
1204 (97.6%) exact matches, in which:
1187 unique CDR3
13 unique J



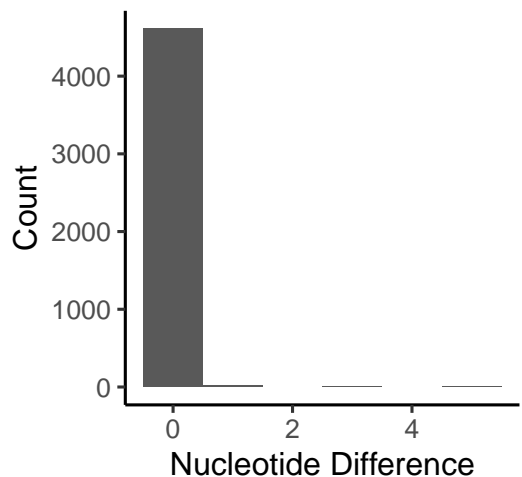
TRBV10-1*ap01

2147 sequences assigned
2127 (99.1%) exact matches, in which:
2094 unique CDR3
13 unique J



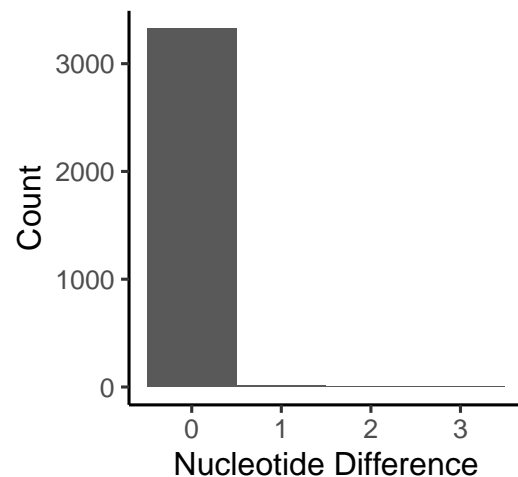
TRBV10-3*ap01

4636 sequences assigned
4610 (99.4%) exact matches, in which:
4560 unique CDR3
13 unique J



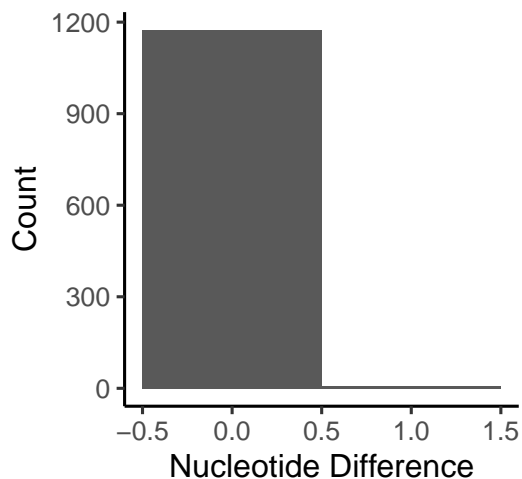
TRBV14*ap01

3341 sequences assigned
3324 (99.5%) exact matches, in which:
3302 unique CDR3
13 unique J



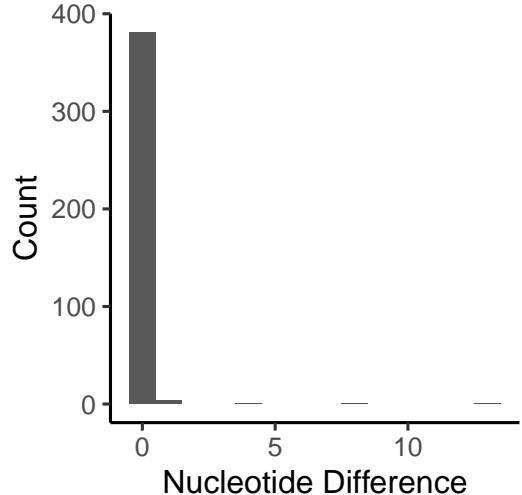
TRBV20-1*ap02

1182 sequences assigned
1174 (99.3%) exact matches, in which:
1167 unique CDR3
13 unique J



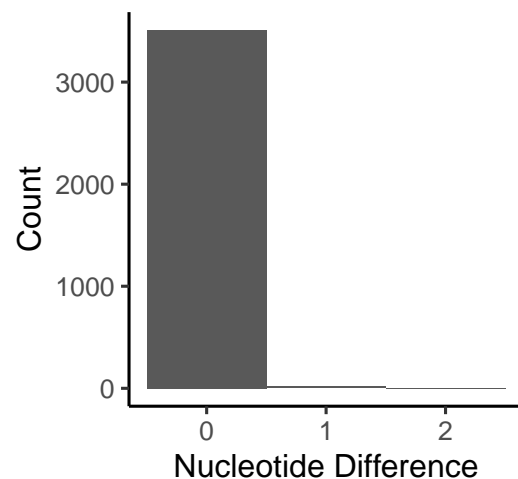
TRBV1*ap01

388 sequences assigned
381 (98.2%) exact matches, in which:
372 unique CDR3
13 unique J



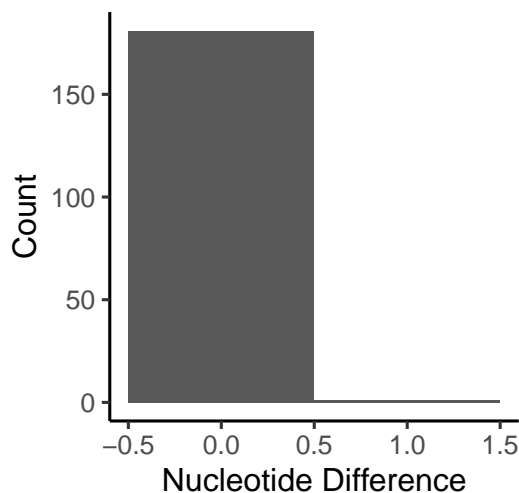
TRBV15*ap02

3529 sequences assigned
3510 (99.5%) exact matches, in which:
3457 unique CDR3
13 unique J



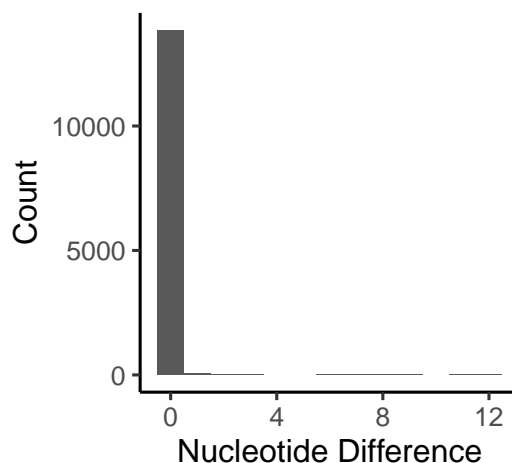
TRBV16*ap01

182 sequences assigned
181 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



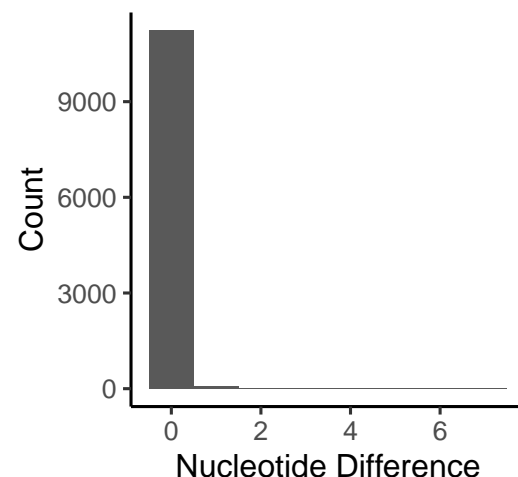
TRBV19*ap01

13937 sequences assigned
13850 (99.4%) exact matches, in which:
13780 unique CDR3
13 unique J



TRBV27*ap01

11320 sequences assigned
11234 (99.2%) exact matches, in which:
11113 unique CDR3
13 unique J



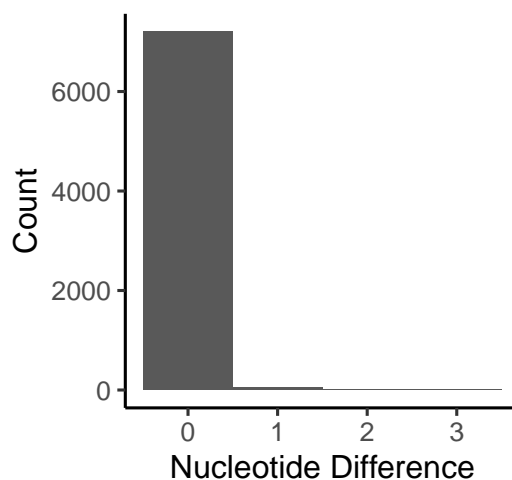
TRBV17*ap01

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



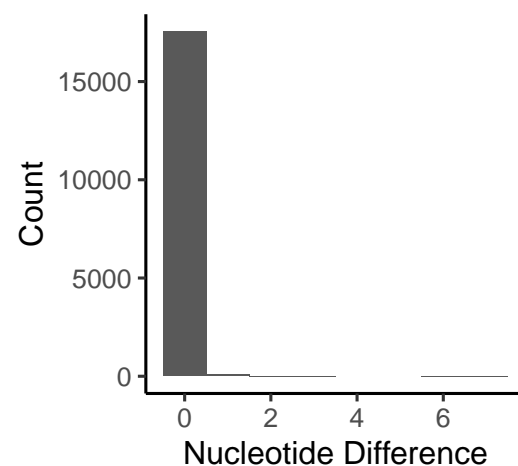
TRBV2*ap01

7252 sequences assigned
7202 (99.3%) exact matches, in which:
7116 unique CDR3
13 unique J



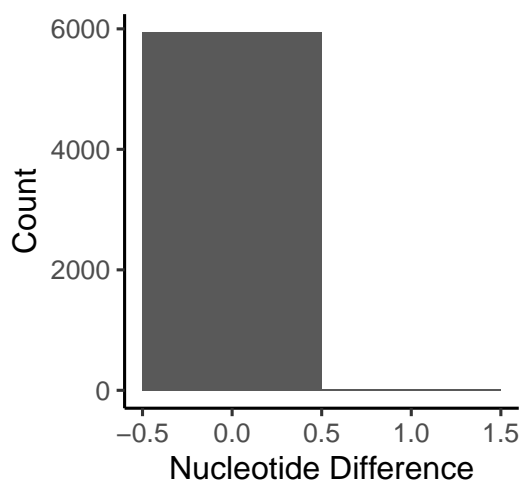
TRBV28*ap01

17644 sequences assigned
17549 (99.5%) exact matches, in which:
17423 unique CDR3
13 unique J



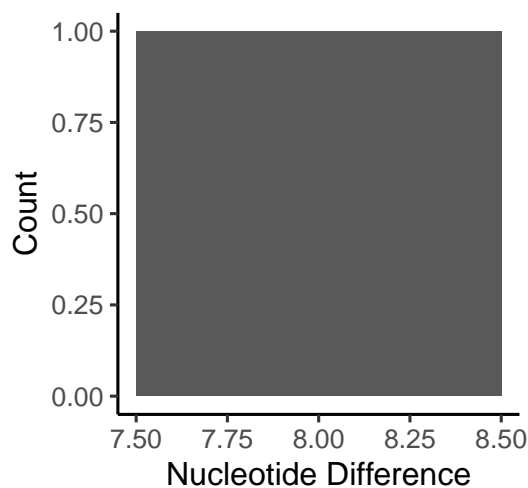
TRBV18*ap01

5970 sequences assigned
5947 (99.6%) exact matches, in which:
5909 unique CDR3
13 unique J



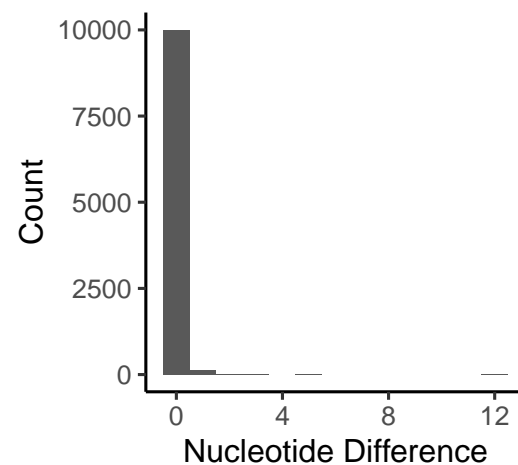
TRBV26*ap01

1 sequences assigned
No exact matches.



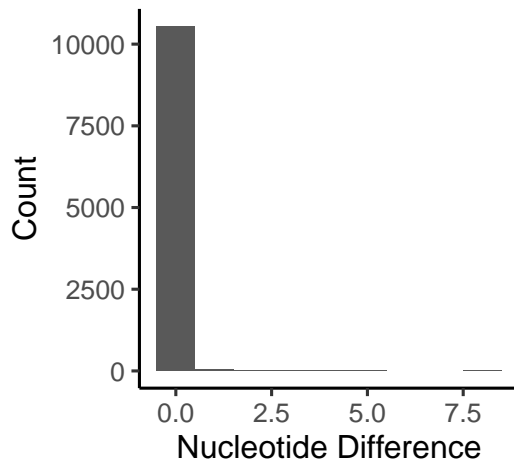
TRBV30*ap01

10139 sequences assigned
10003 (98.7%) exact matches, in which:
9780 unique CDR3
13 unique J



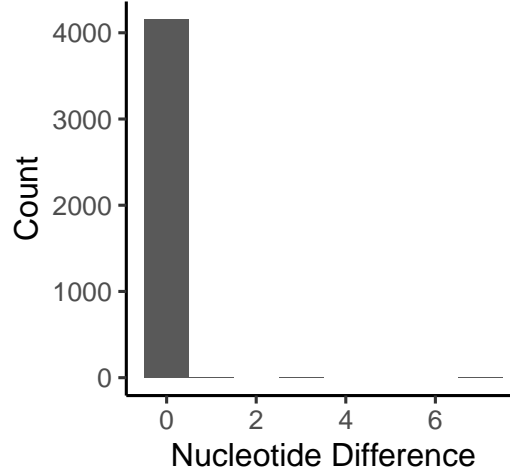
TRBV9*ap01

10600 sequences assigned
10550 (99.5%) exact matches, in which:
10491 unique CDR3
13 unique J



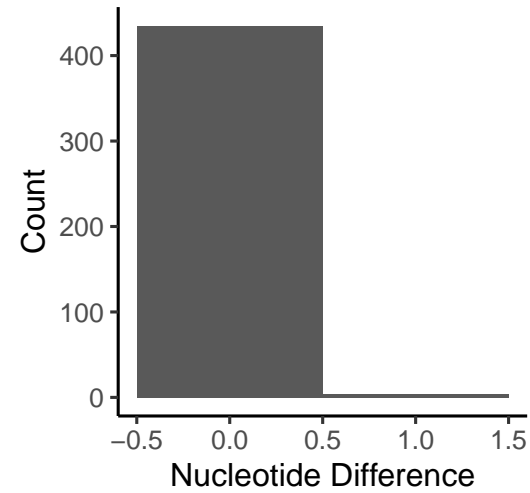
TRBV11-2*ap01

4169 sequences assigned
4155 (99.7%) exact matches, in which:
4134 unique CDR3
13 unique J



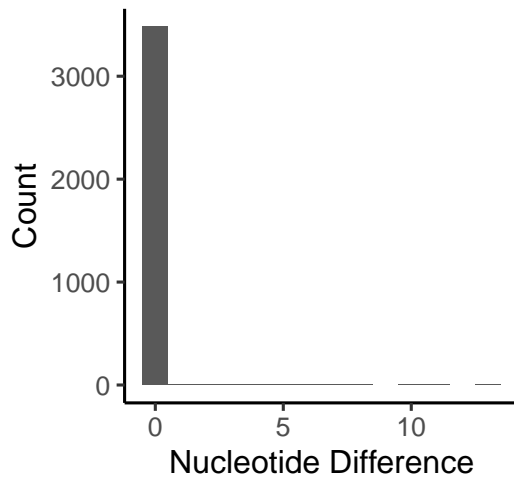
TRBV12-2*ap01

439 sequences assigned
435 (99.1%) exact matches, in which:
432 unique CDR3
13 unique J



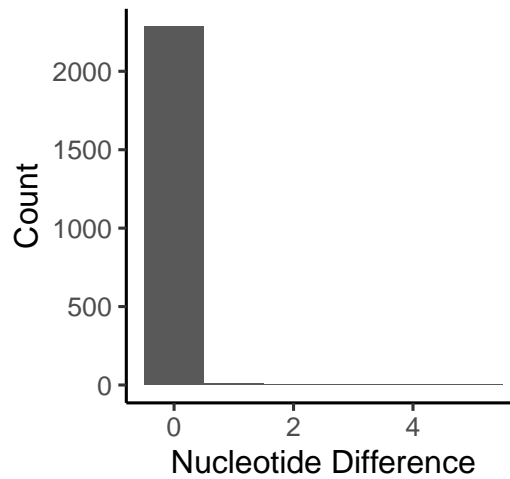
TRBV21-1*ap01

3510 sequences assigned
3481 (99.2%) exact matches, in which:
3468 unique CDR3
13 unique J



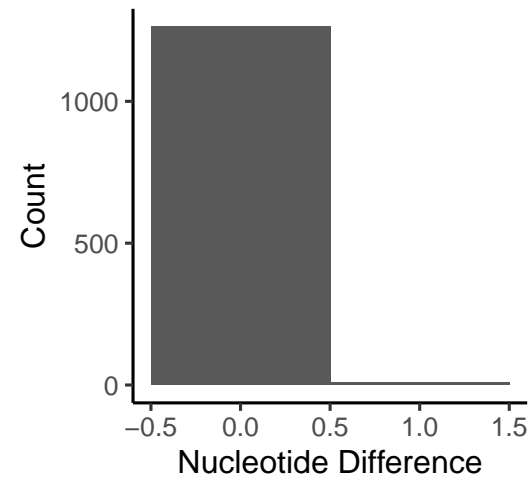
TRBV11-3*ap01

2299 sequences assigned
2284 (99.3%) exact matches, in which:
2274 unique CDR3
13 unique J



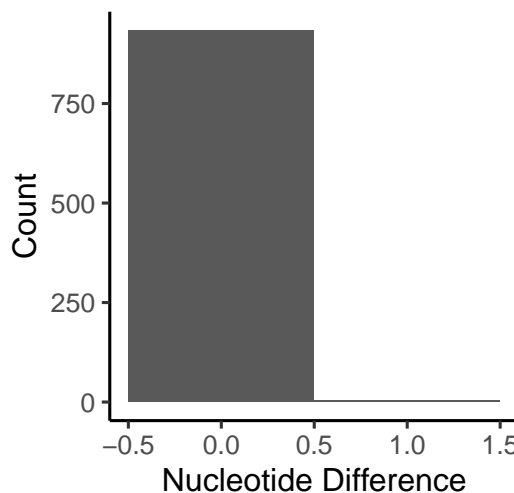
TRBV12-5*ap01

1273 sequences assigned
1263 (99.2%) exact matches, in which:
1253 unique CDR3
13 unique J



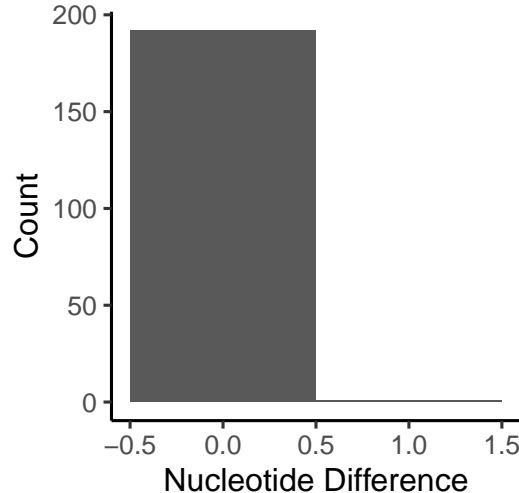
TRBV11-1*ap01

937 sequences assigned
934 (99.7%) exact matches, in which:
927 unique CDR3
13 unique J



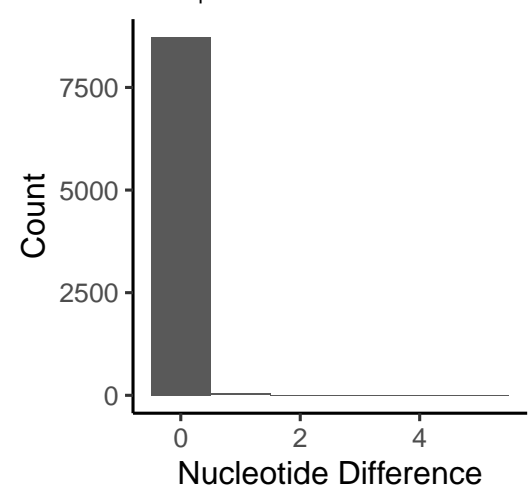
TRBV12-1*ap01

193 sequences assigned
192 (99.5%) exact matches, in which:
190 unique CDR3
12 unique J



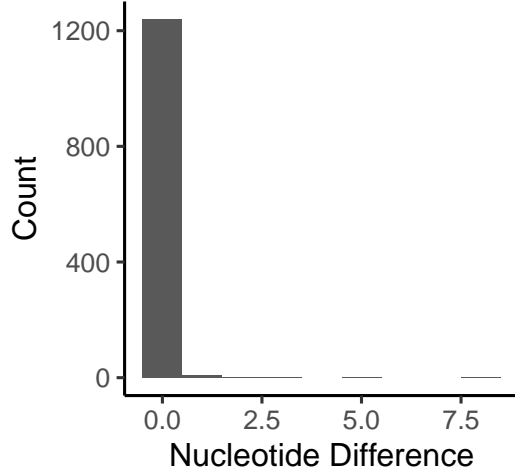
TRBV12-34*ap01

8777 sequences assigned
8728 (99.4%) exact matches, in which:
8634 unique CDR3
13 unique J



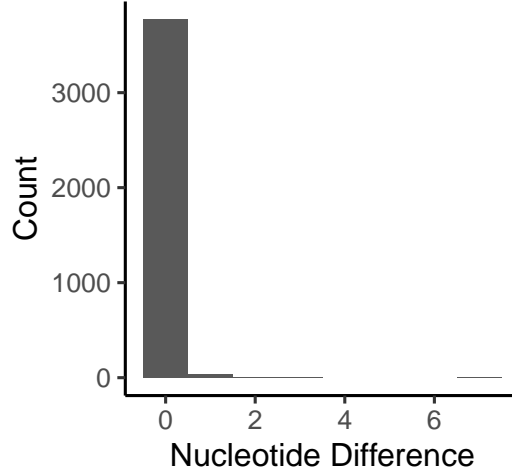
TRBV23–1*ap01

1252 sequences assigned
1239 (99%) exact matches, in which:
1227 unique CDR3
13 unique J



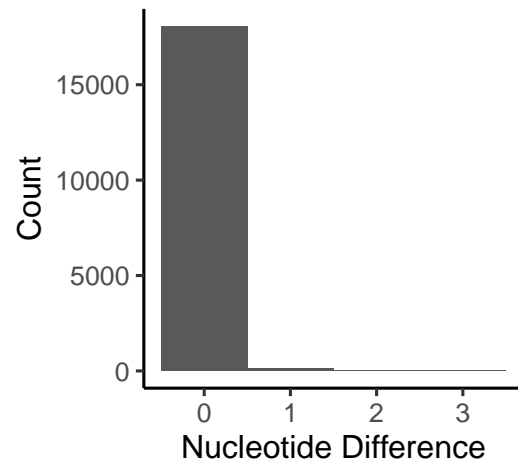
TRBV4–1*ap01

3807 sequences assigned
3771 (99.1%) exact matches, in which:
3718 unique CDR3
13 unique J



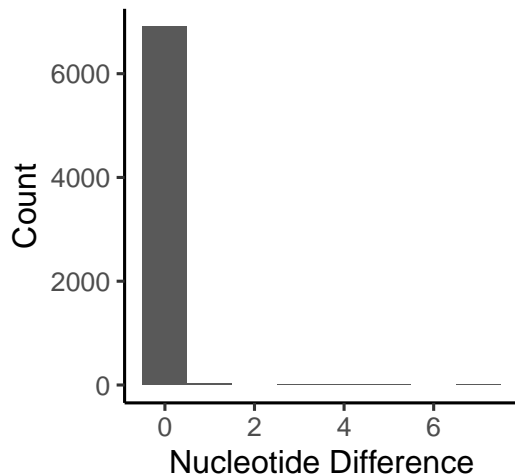
TRBV5–1*ap01

18203 sequences assigned
18069 (99.3%) exact matches, in which:
17831 unique CDR3
13 unique J



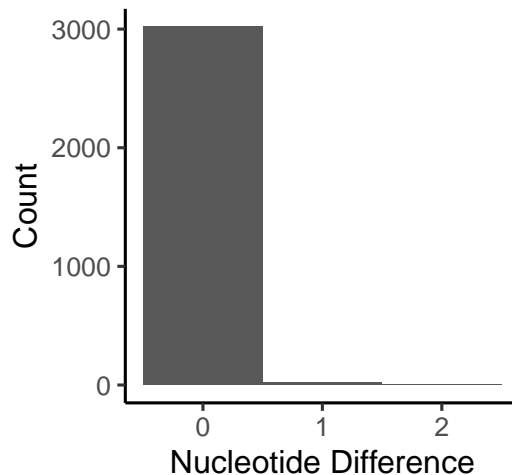
TRBV3–12*ap01

6944 sequences assigned
6905 (99.4%) exact matches, in which:
6868 unique CDR3
13 unique J



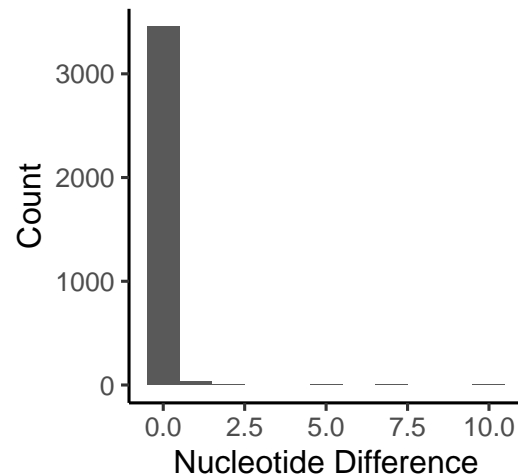
TRBV4–2*ap01

3042 sequences assigned
3020 (99.3%) exact matches, in which:
2987 unique CDR3
13 unique J



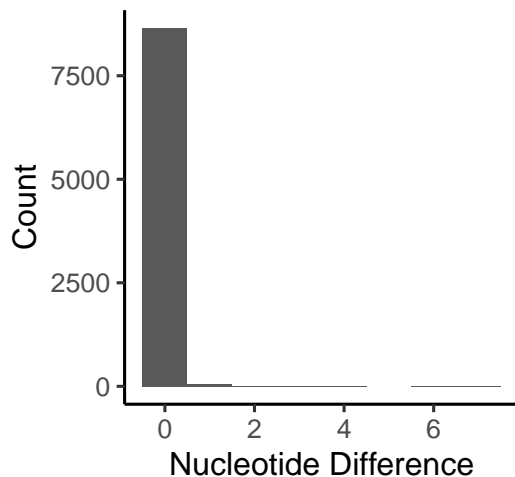
TRBV25–1*ap01

3492 sequences assigned
3454 (98.9%) exact matches, in which:
3388 unique CDR3
13 unique J



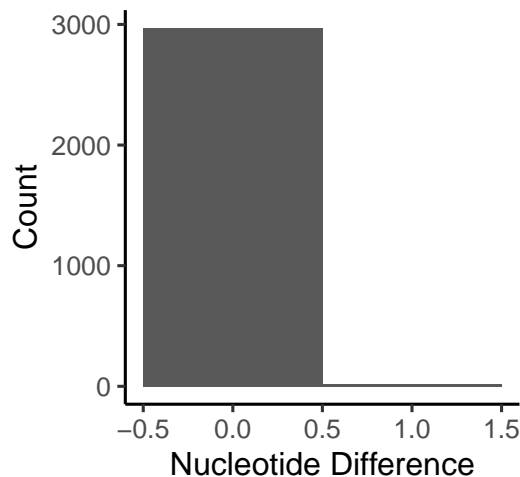
TRBV24–1*ap01

8716 sequences assigned
8652 (99.3%) exact matches, in which:
8563 unique CDR3
13 unique J



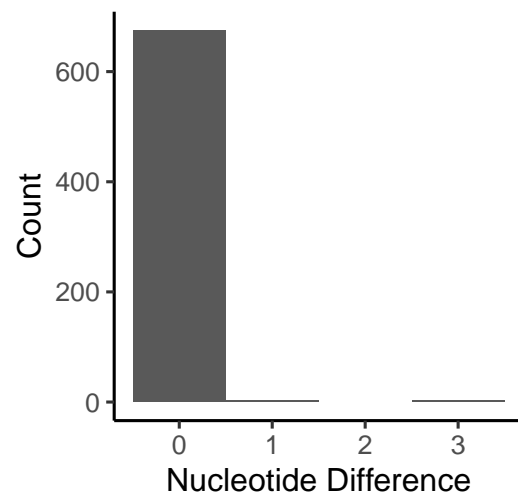
TRBV4–3*ap01

2991 sequences assigned
2970 (99.3%) exact matches, in which:
2922 unique CDR3
13 unique J



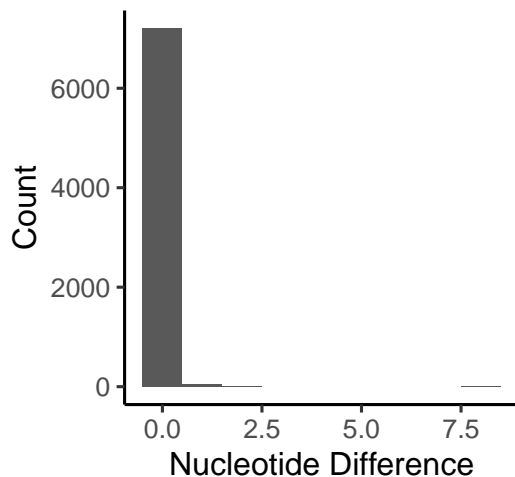
TRBV5–3*ap01

681 sequences assigned
675 (99.1%) exact matches, in which:
666 unique CDR3
13 unique J



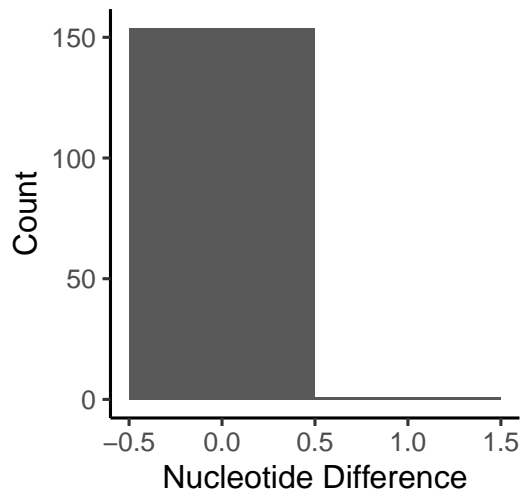
TRBV5-4*ap01

7253 sequences assigned
7203 (99.3%) exact matches, in which:
7109 unique CDR3
13 unique J



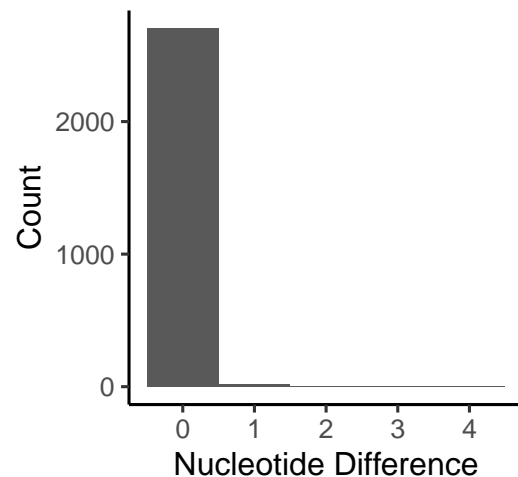
TRBV5-7*ap01

155 sequences assigned
154 (99.4%) exact matches, in which:
147 unique CDR3
13 unique J



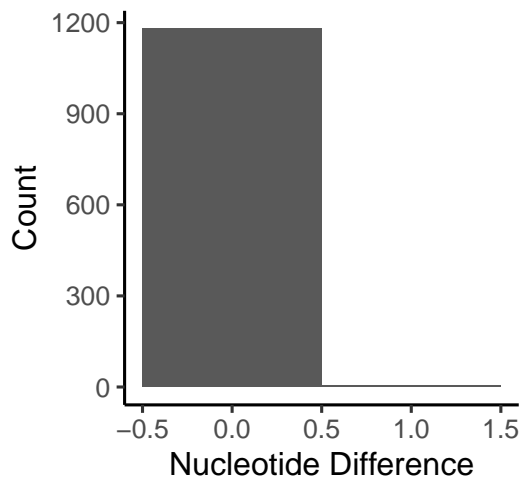
TRBV6-4*ap01

2729 sequences assigned
2703 (99%) exact matches, in which:
2687 unique CDR3
13 unique J



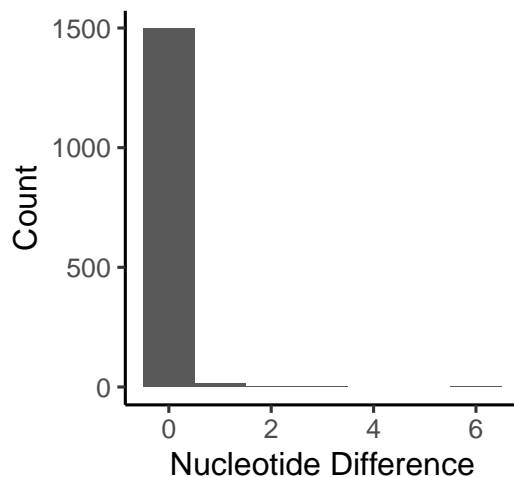
TRBV5-5*ap01

1186 sequences assigned
1180 (99.5%) exact matches, in which:
1175 unique CDR3
13 unique J



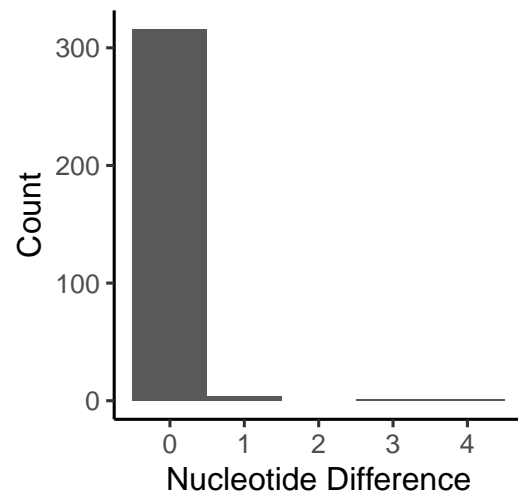
TRBV5-8*ap01

1516 sequences assigned
1497 (98.7%) exact matches, in which:
1480 unique CDR3
13 unique J



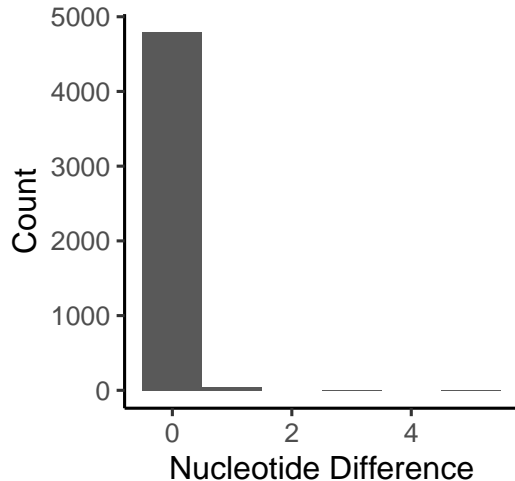
TRBV6-7*ap01

322 sequences assigned
316 (98.1%) exact matches, in which:
309 unique CDR3
13 unique J



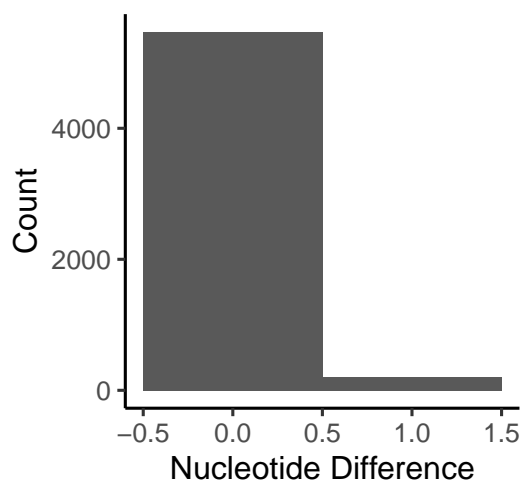
TRBV5-6*ap01

4845 sequences assigned
4795 (99%) exact matches, in which:
4689 unique CDR3
13 unique J



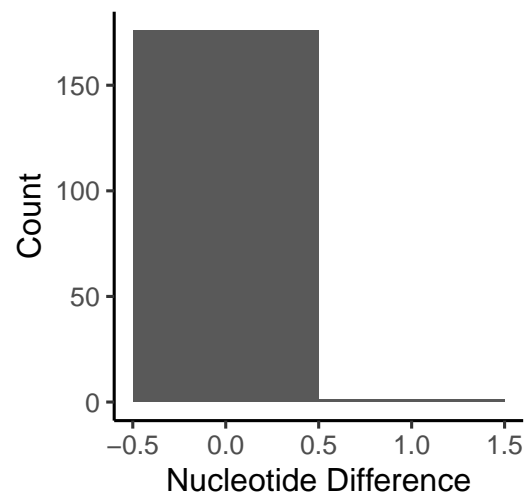
TRBV6-1*ap01

5669 sequences assigned
5469 (96.5%) exact matches, in which:
5395 unique CDR3
13 unique J



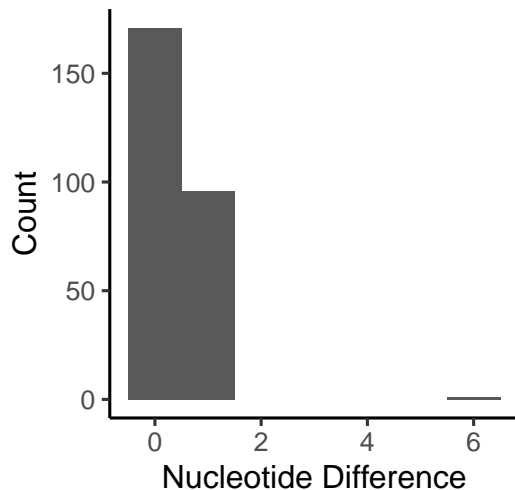
TRBV6-8*ap01

177 sequences assigned
176 (99.4%) exact matches, in which:
175 unique CDR3
13 unique J



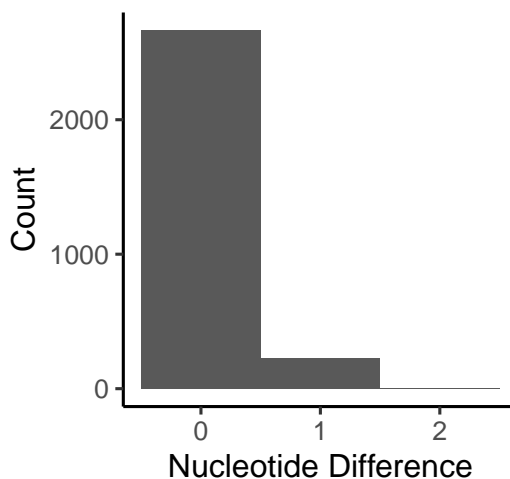
TRBV6-9*ap01

268 sequences assigned
171 (63.8%) exact matches, in which:
169 unique CDR3
13 unique J



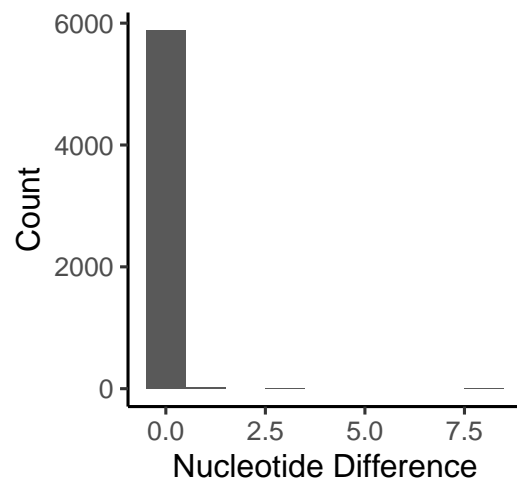
TRBV6-56*ap02

2893 sequences assigned
2664 (92.1%) exact matches, in which:
2613 unique CDR3
13 unique J



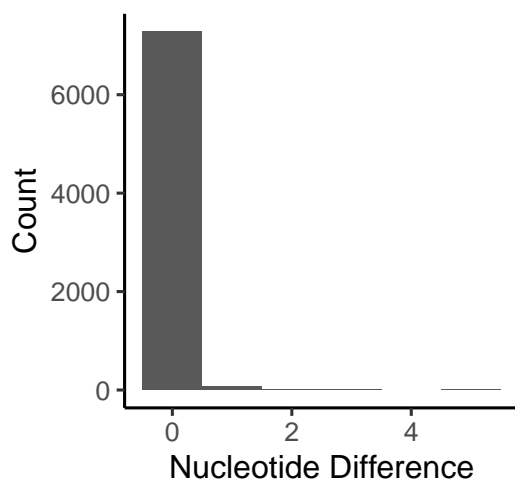
TRBV7-3*ap01

5911 sequences assigned
5881 (99.5%) exact matches, in which:
5843 unique CDR3
13 unique J



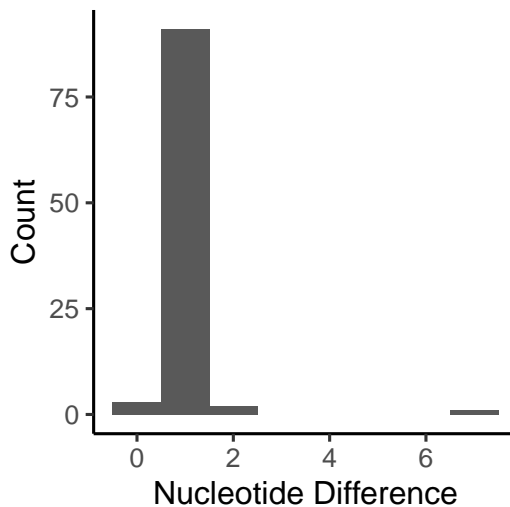
TRBV6-23*ap01

7363 sequences assigned
7280 (98.9%) exact matches, in which:
7139 unique CDR3
13 unique J



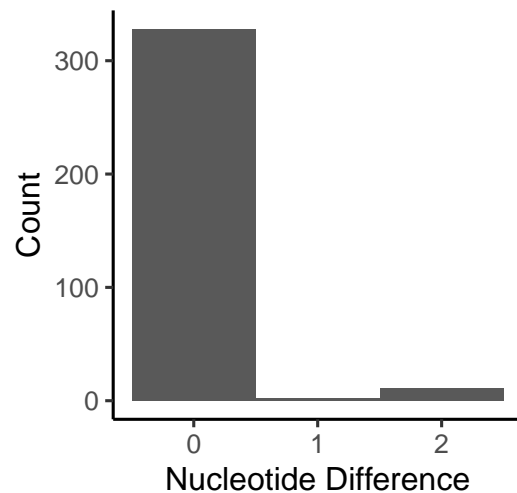
TRBV7-1*ap01_T296C

97 sequences assigned
3 (3.1%) exact matches, in which:
3 unique CDR3
3 unique J



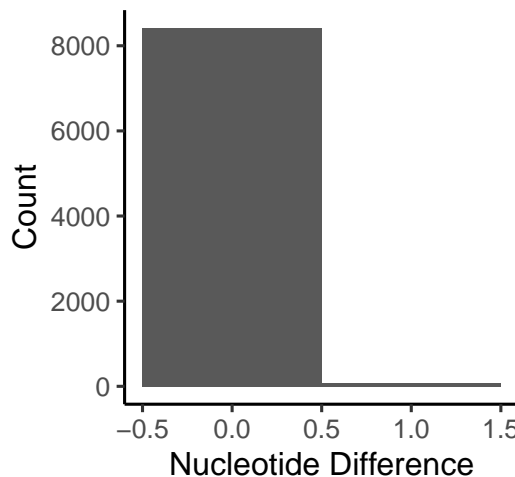
TRBV7-4*ap01

341 sequences assigned
328 (96.2%) exact matches, in which:
322 unique CDR3
13 unique J



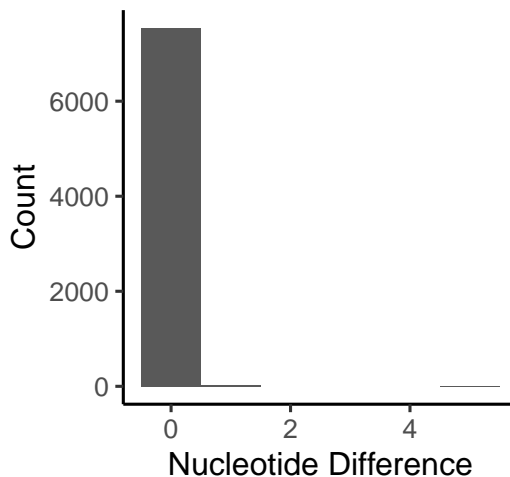
TRBV6-56*ap01

8490 sequences assigned
8416 (99.1%) exact matches, in which:
8272 unique CDR3
13 unique J



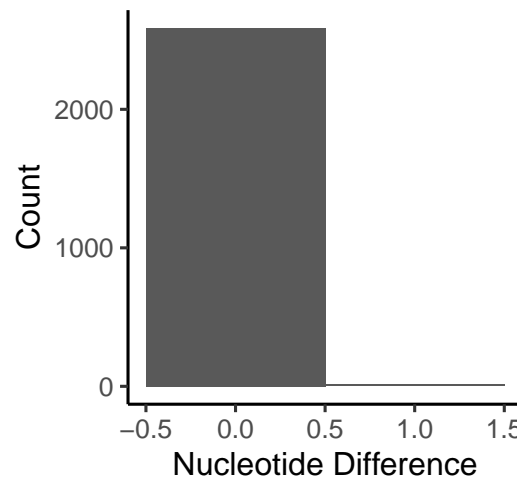
TRBV7-2*ap01

7570 sequences assigned
7539 (99.6%) exact matches, in which:
7462 unique CDR3
13 unique J



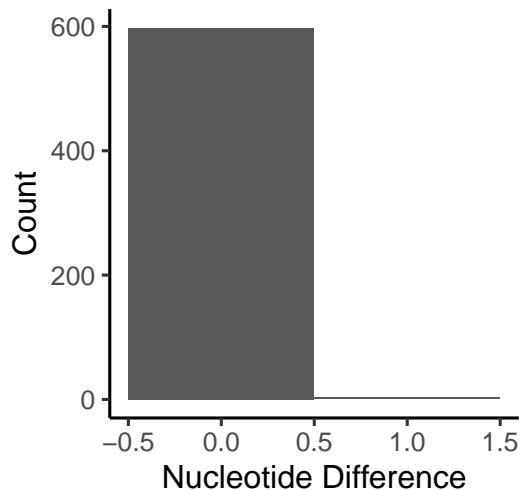
TRBV7-6*ap01

2600 sequences assigned
2587 (99.5%) exact matches, in which:
2560 unique CDR3
13 unique J



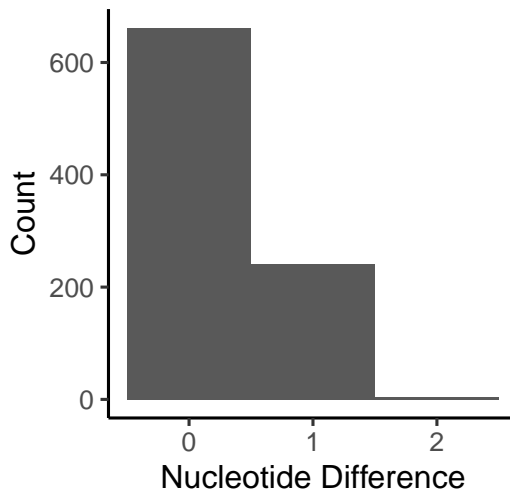
TRBV7-7*ap01

601 sequences assigned
598 (99.5%) exact matches, in which:
594 unique CDR3
13 unique J



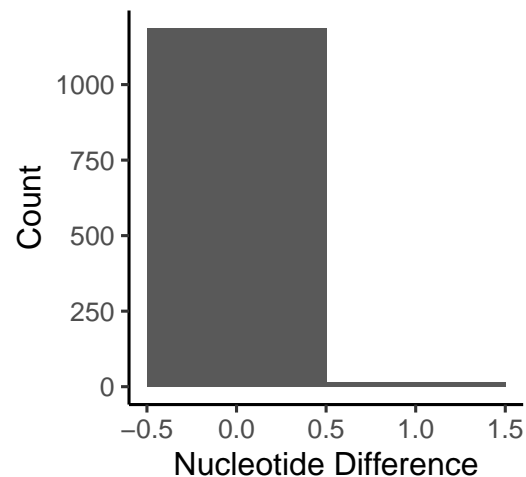
TRBV7-8*ap03

907 sequences assigned
662 (73%) exact matches, in which:
655 unique CDR3
13 unique J



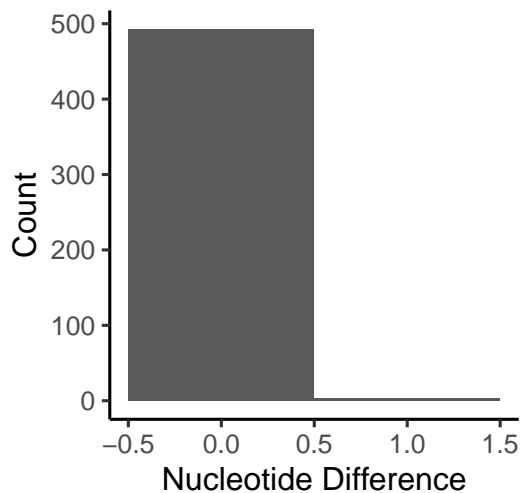
TRBV29-1*ap02

1200 sequences assigned
1186 (98.8%) exact matches, in which:
1156 unique CDR3
13 unique J



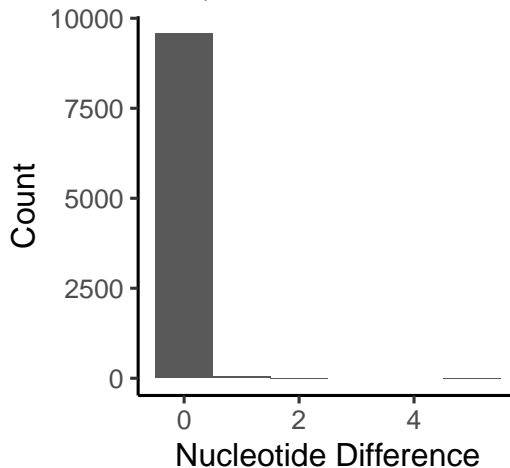
TRBV7-7*ap01_C315T

496 sequences assigned
493 (99.4%) exact matches, in which:
486 unique CDR3
13 unique J



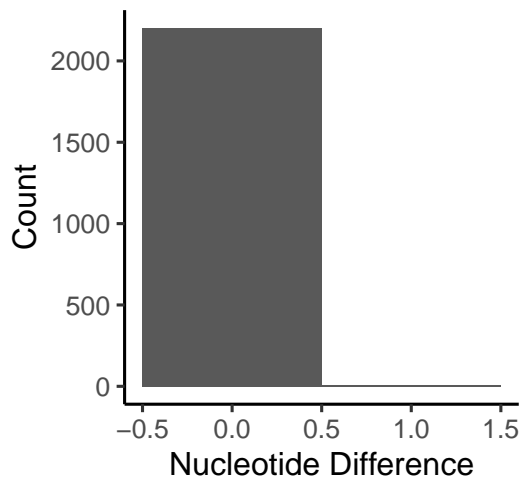
TRBV7-9*ap01

9629 sequences assigned
9578 (99.5%) exact matches, in which:
9482 unique CDR3
13 unique J



TRBV7-8*ap01

2209 sequences assigned
2202 (99.7%) exact matches, in which:
2188 unique CDR3
13 unique J



TRBV29-1*ap01

6795 sequences assigned
6705 (98.7%) exact matches, in which:
6544 unique CDR3
13 unique J

