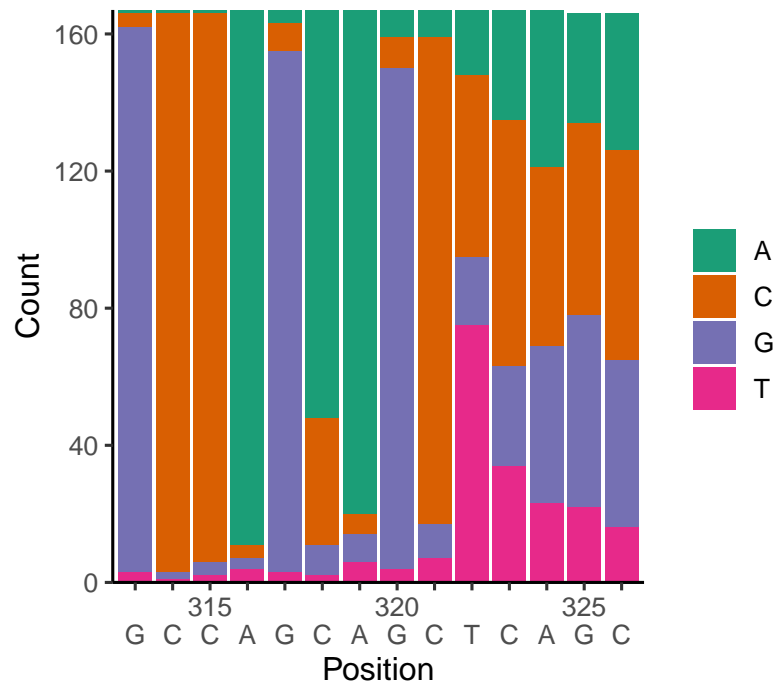
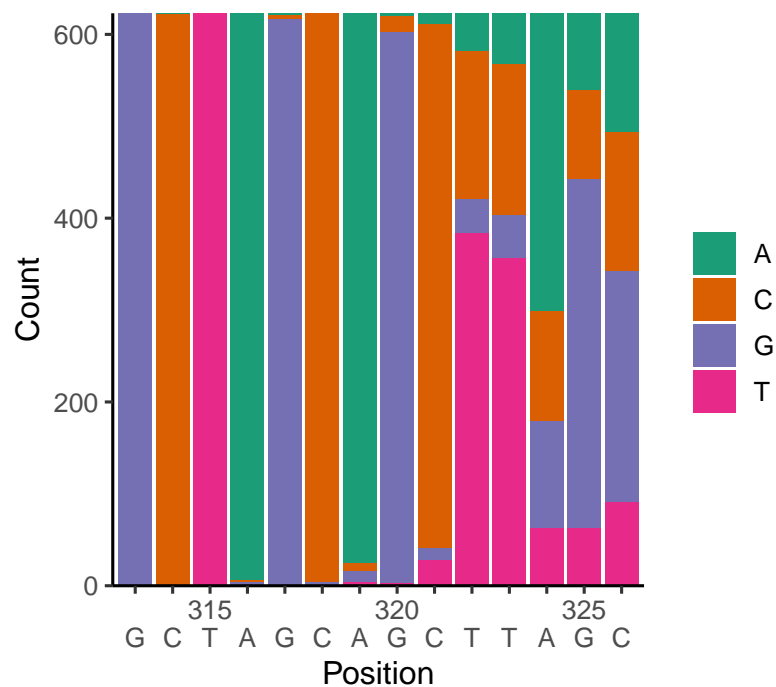


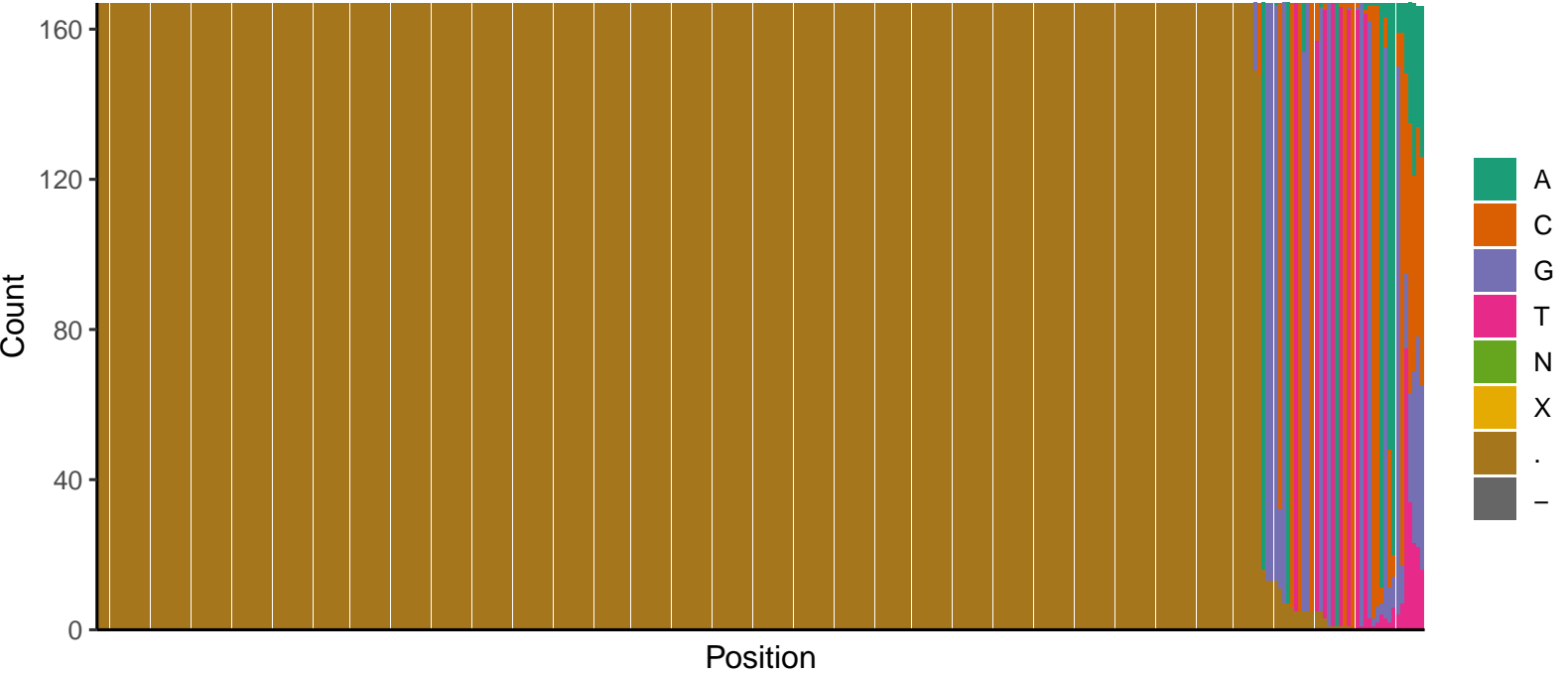
Gene TRBV7-1*ap01_T296C



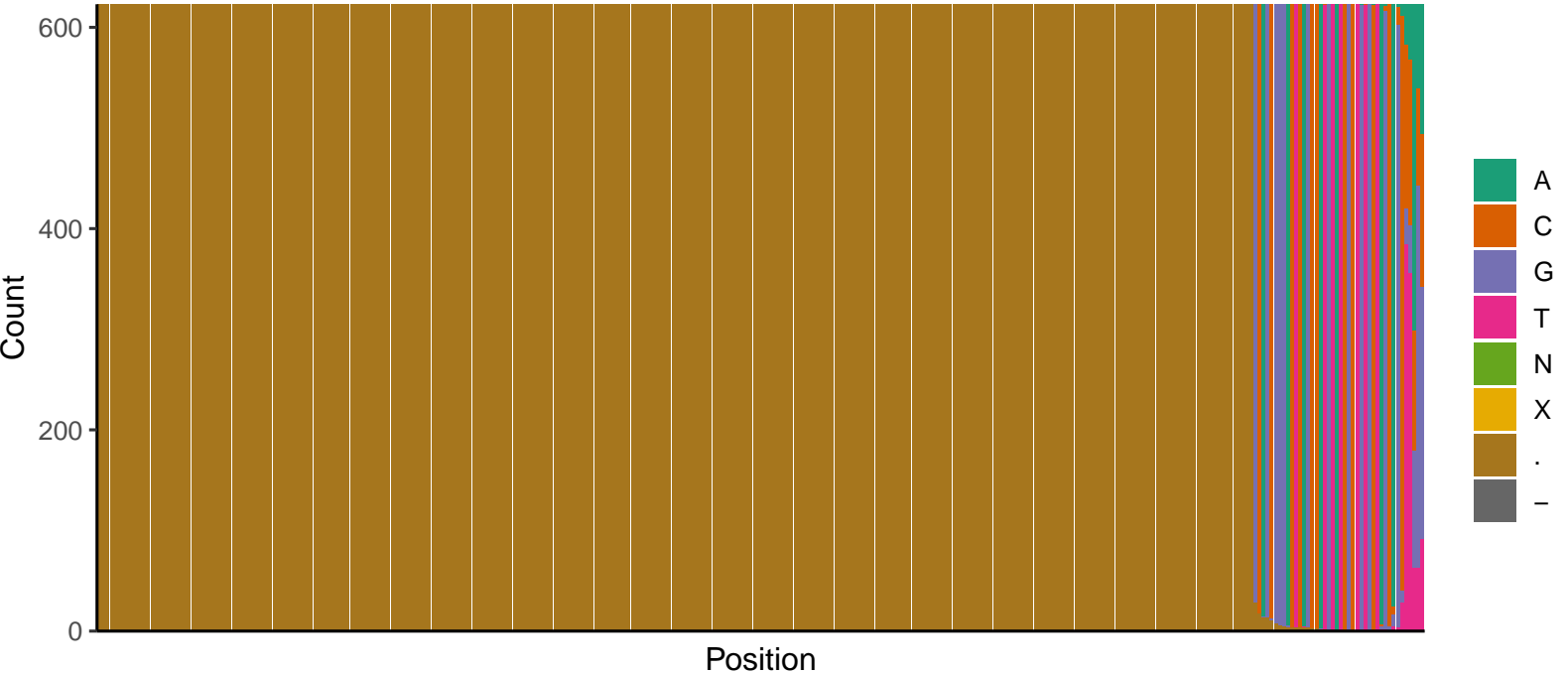
Gene TRBV7-7*ap01_C315T



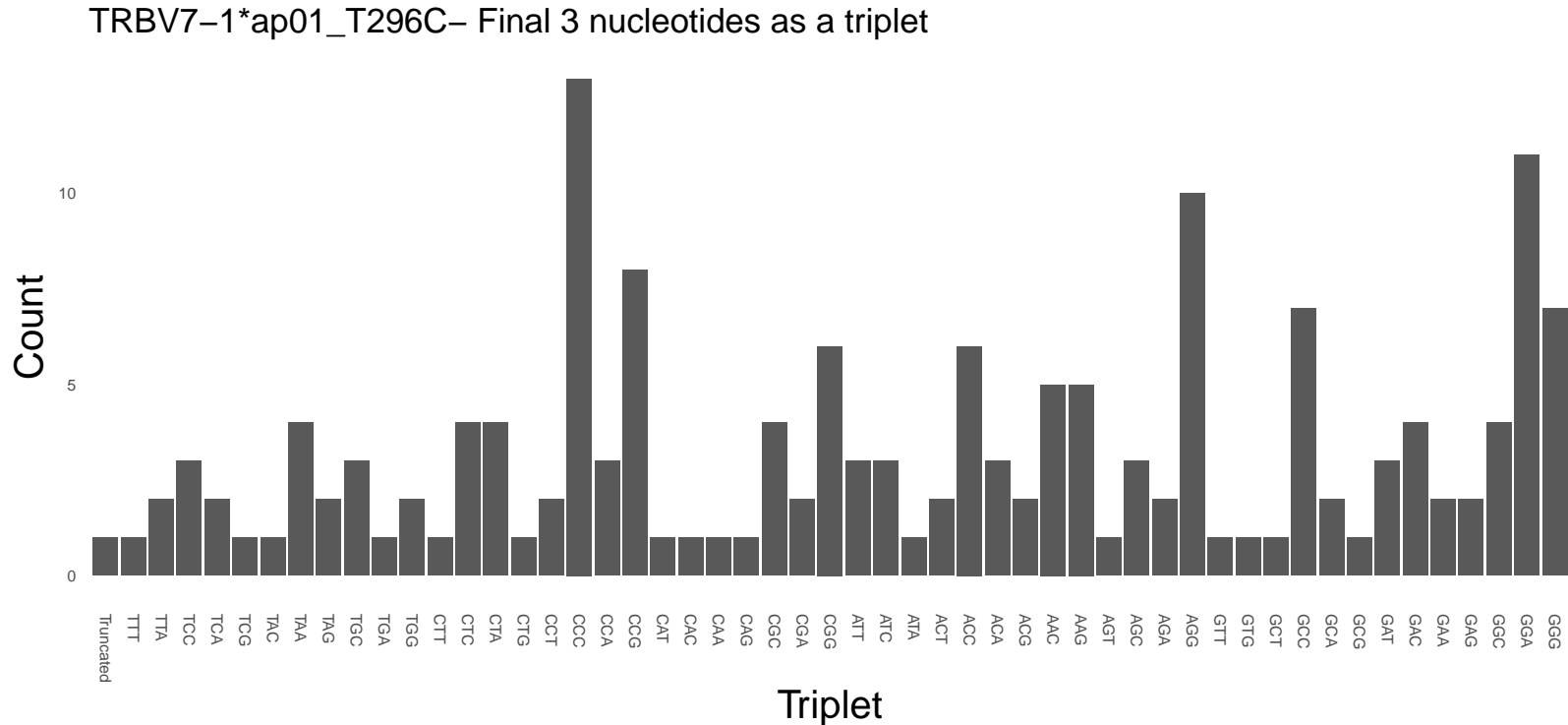
Gene TRBV7-1*ap01_T296C



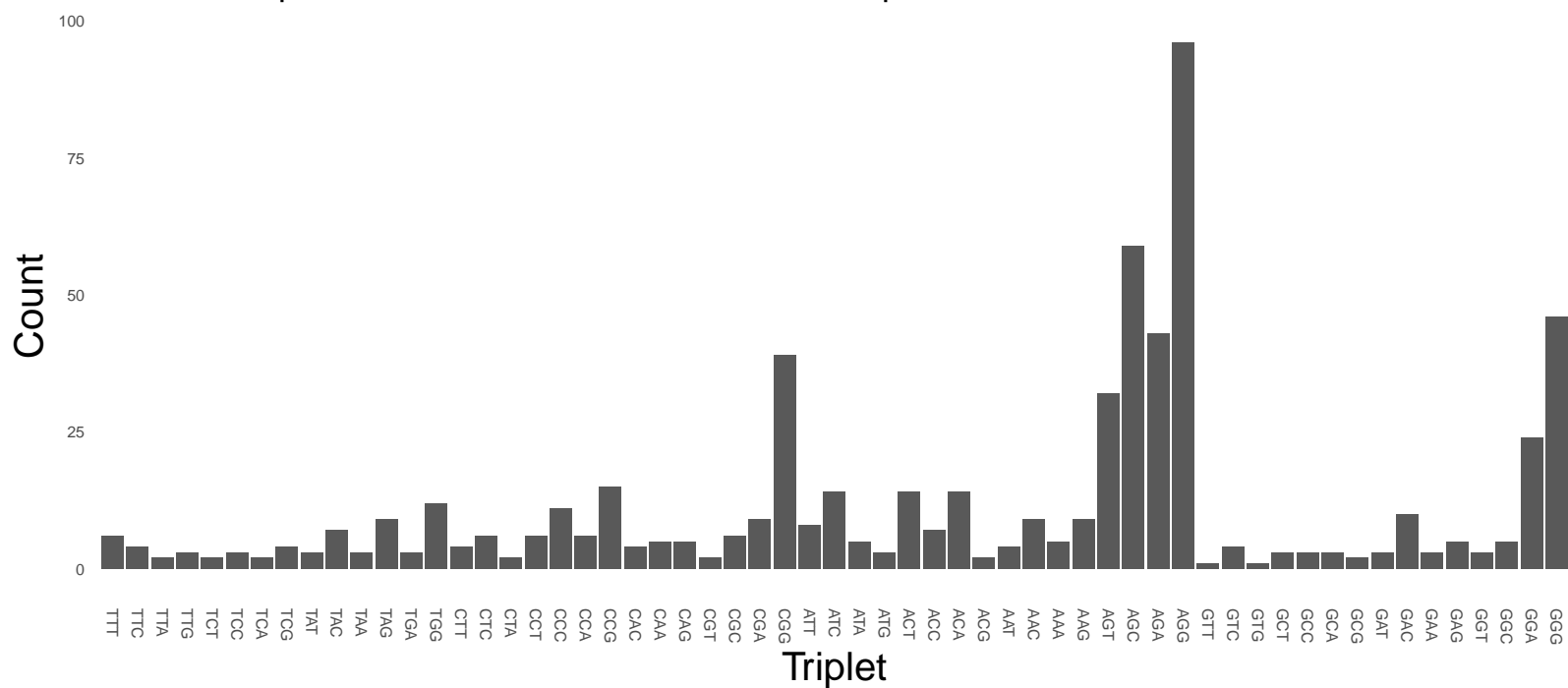
Gene TRBV7-7*ap01_C315T



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

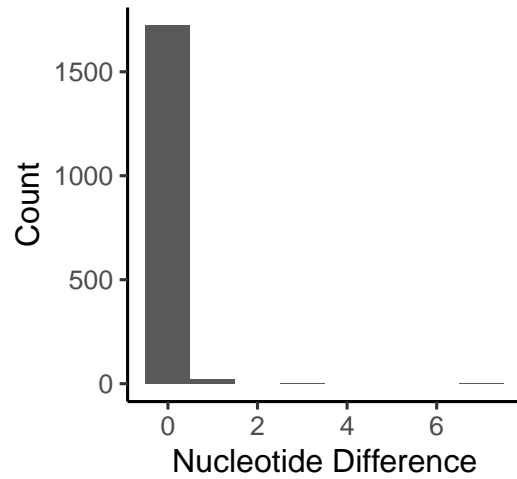


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



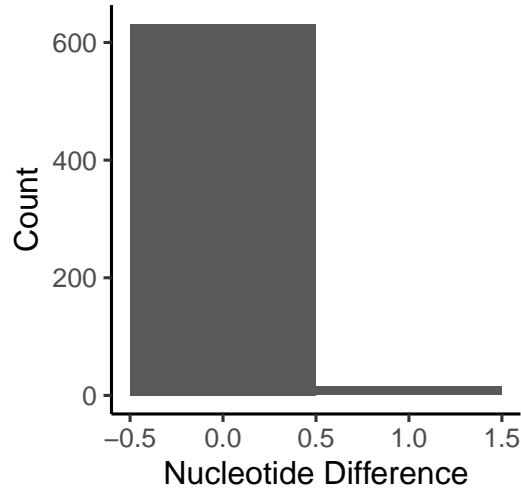
TRBV10-1*ap01

1746 sequences assigned
1723 (98.7%) exact matches, in which:
1669 unique CDR3
13 unique J



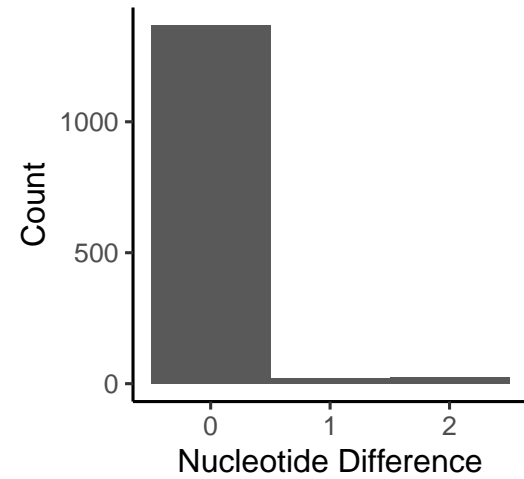
TRBV10-2*ap01

647 sequences assigned
632 (97.7%) exact matches, in which:
616 unique CDR3
13 unique J



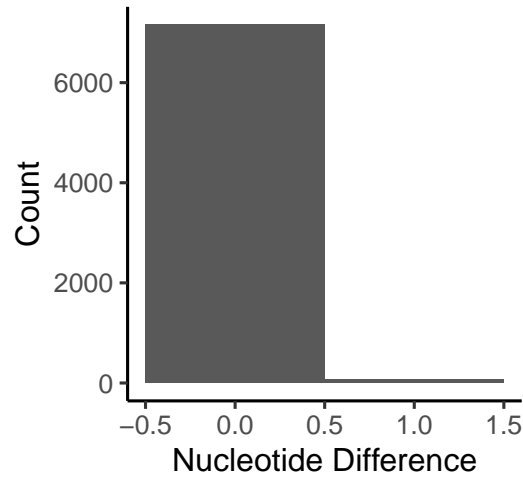
TRBV13*ap01

1413 sequences assigned
1368 (96.8%) exact matches, in which:
1331 unique CDR3
13 unique J



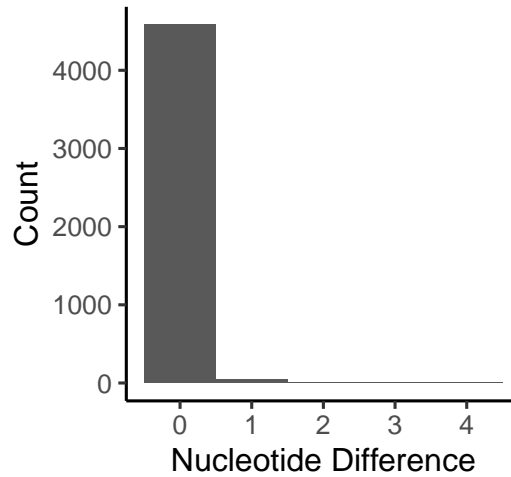
TRBV20-1*ap01

7231 sequences assigned
7157 (99%) exact matches, in which:
7043 unique CDR3
13 unique J



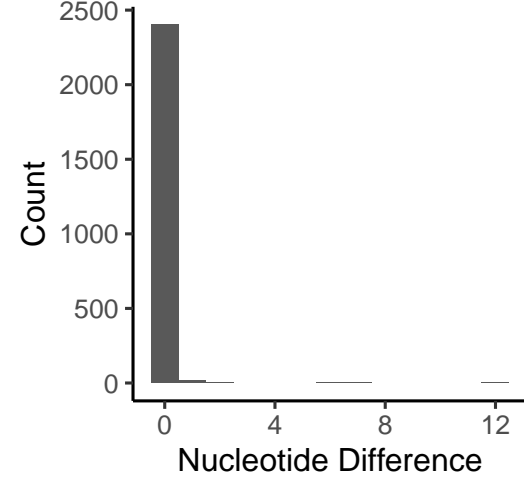
TRBV10-3*ap01

4633 sequences assigned
4583 (98.9%) exact matches, in which:
4486 unique CDR3
13 unique J



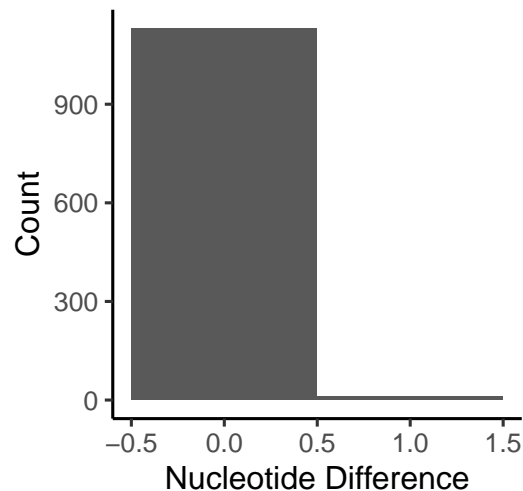
TRBV14*ap01

2428 sequences assigned
2402 (98.9%) exact matches, in which:
2370 unique CDR3
13 unique J



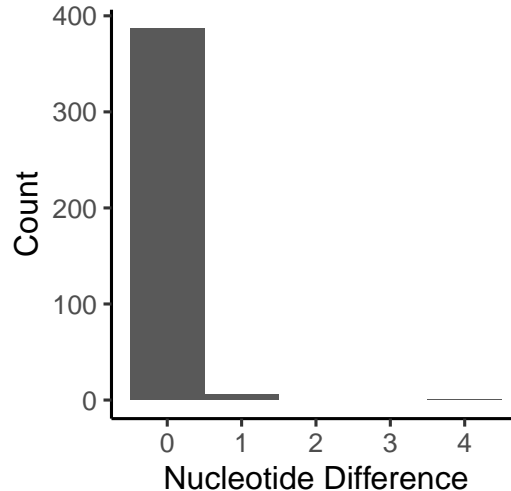
TRBV20-1*ap02

1141 sequences assigned
1131 (99.1%) exact matches, in which:
1112 unique CDR3
13 unique J



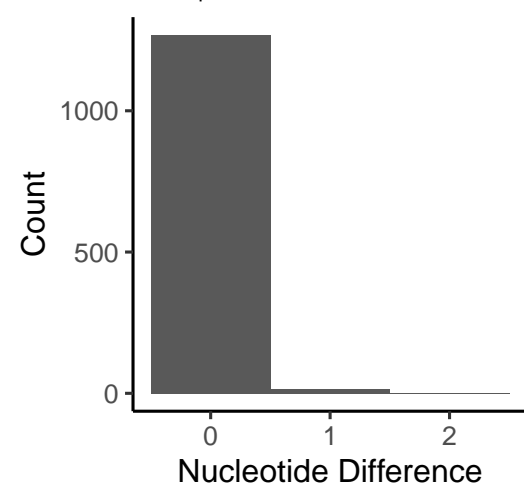
TRBV1*ap01

394 sequences assigned
387 (98.2%) exact matches, in which:
379 unique CDR3
13 unique J



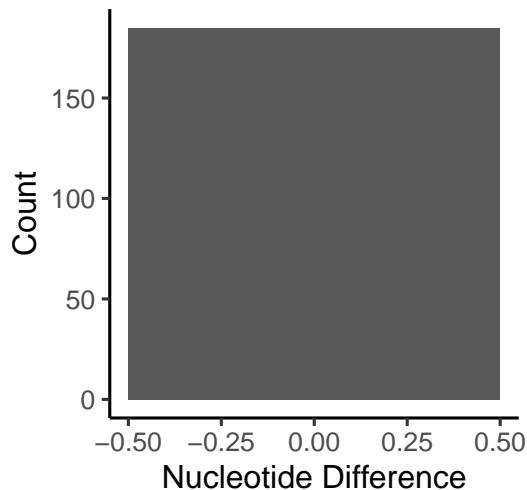
TRBV15*ap02

1285 sequences assigned
1268 (98.7%) exact matches, in which:
1232 unique CDR3
13 unique J



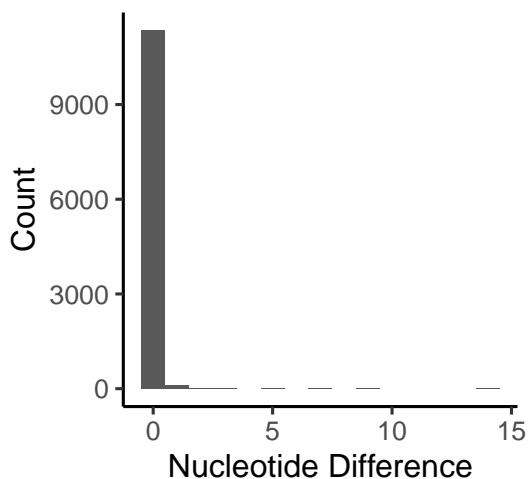
TRBV16*ap01

185 sequences assigned
185 (100%) exact matches, in which:
183 unique CDR3
13 unique J



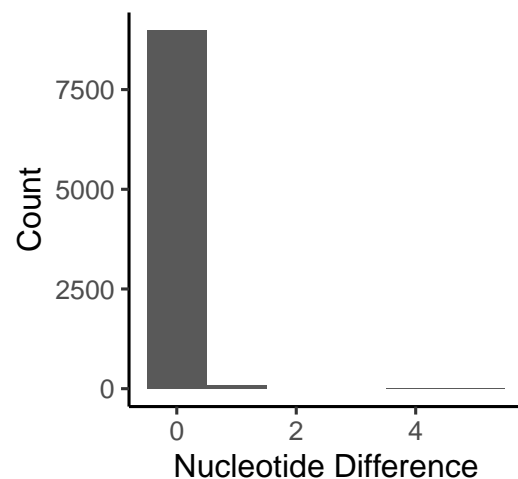
TRBV19*ap01

11468 sequences assigned
11348 (99%) exact matches, in which:
11216 unique CDR3
13 unique J



TRBV28*ap01

9087 sequences assigned
8984 (98.9%) exact matches, in which:
8798 unique CDR3
13 unique J



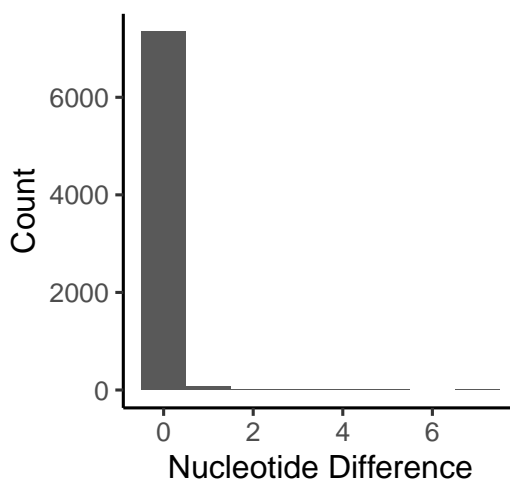
TRBV17*ap01

1 sequences assigned
No exact matches.



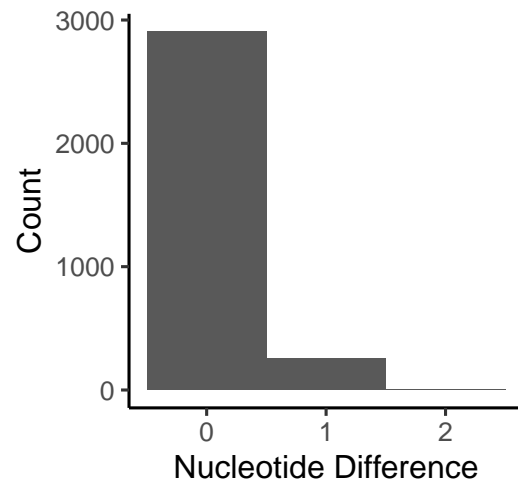
TRBV2*ap01

7416 sequences assigned
7344 (99%) exact matches, in which:
7221 unique CDR3
13 unique J



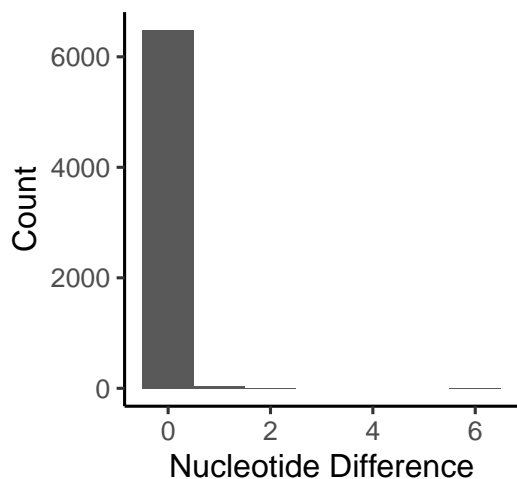
TRBV30*ap01

3166 sequences assigned
2905 (91.8%) exact matches, in which:
2874 unique CDR3
13 unique J



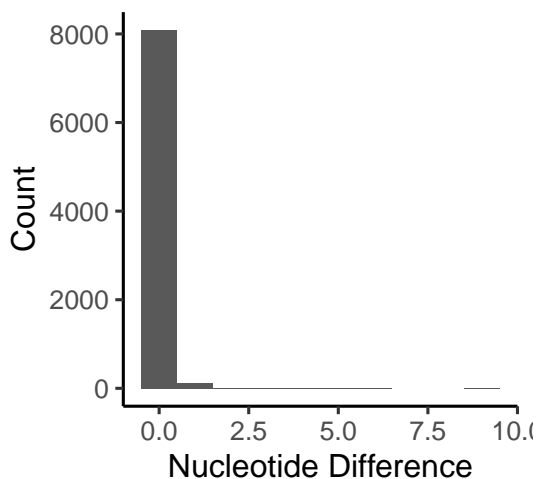
TRBV18*ap01

6530 sequences assigned
6484 (99.3%) exact matches, in which:
6398 unique CDR3
13 unique J



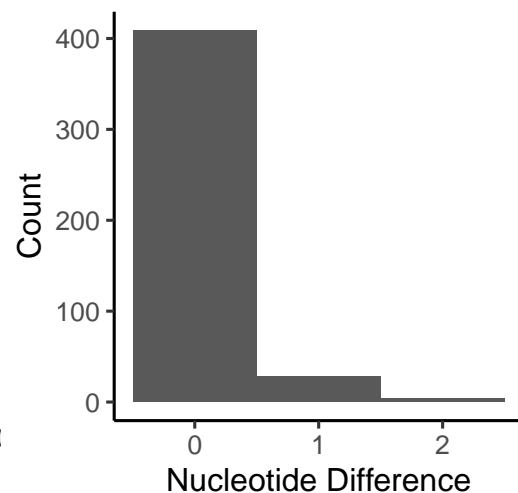
TRBV27*ap01

8218 sequences assigned
8088 (98.4%) exact matches, in which:
7898 unique CDR3
13 unique J



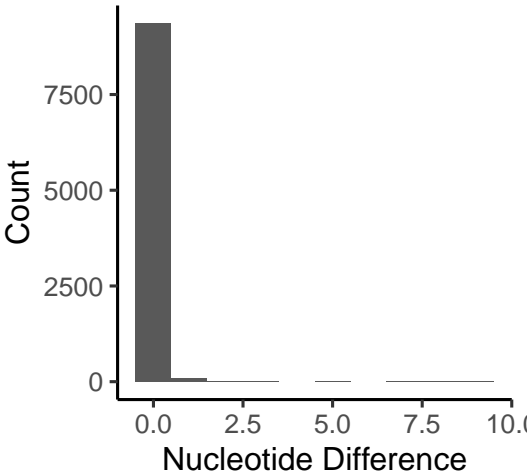
TRBV30*ap03

441 sequences assigned
409 (92.7%) exact matches, in which:
407 unique CDR3
13 unique J



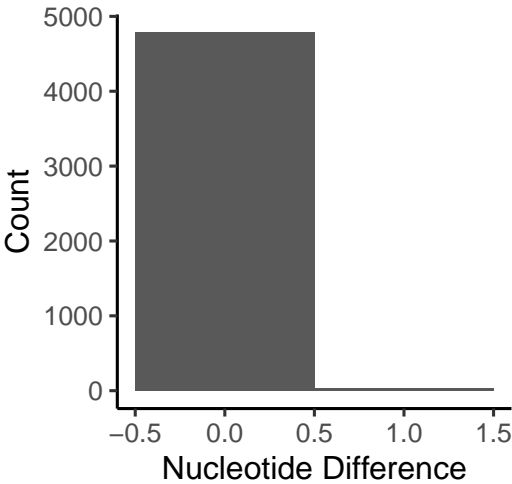
TRBV9*ap01

9455 sequences assigned
9358 (99%) exact matches, in which:
9190 unique CDR3
13 unique J



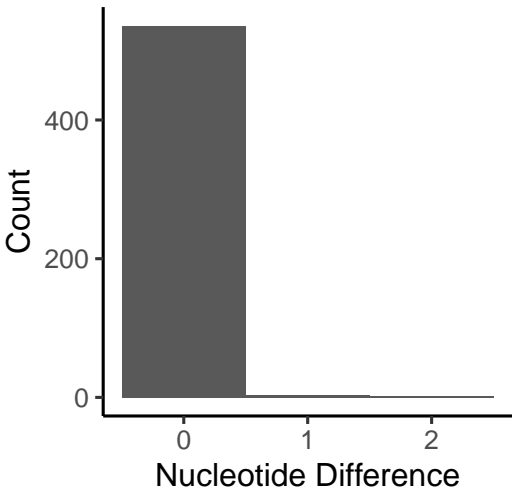
TRBV11-2*ap01

4816 sequences assigned
4786 (99.4%) exact matches, in which:
4694 unique CDR3
14 unique J



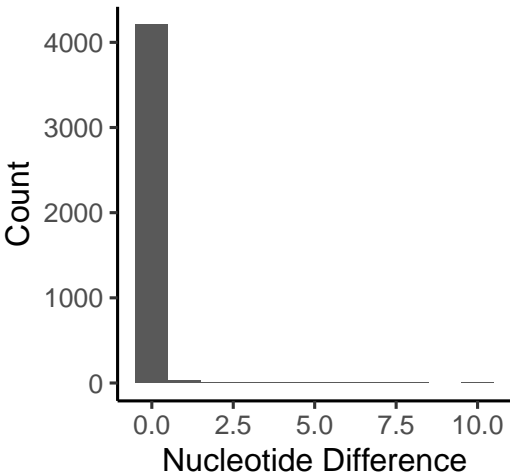
TRBV12-2*ap01

541 sequences assigned
536 (99.1%) exact matches, in which:
525 unique CDR3
13 unique J



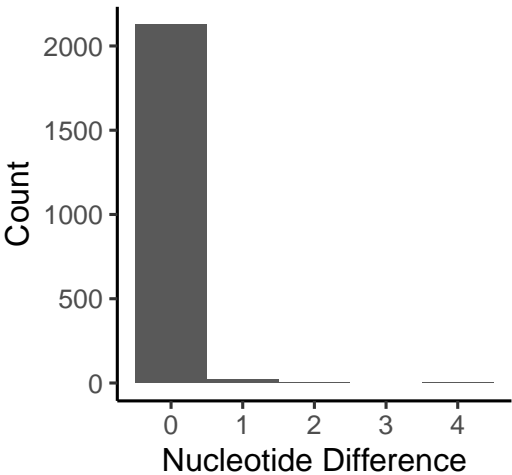
TRBV21-1*ap01

4262 sequences assigned
4207 (98.7%) exact matches, in which:
4147 unique CDR3
13 unique J



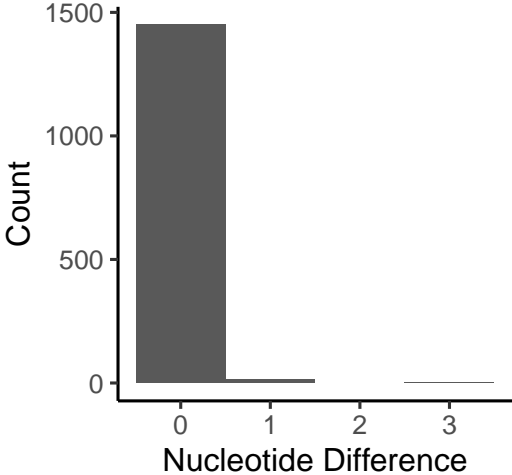
TRBV11-3*ap01

2149 sequences assigned
2126 (98.9%) exact matches, in which:
2094 unique CDR3
13 unique J



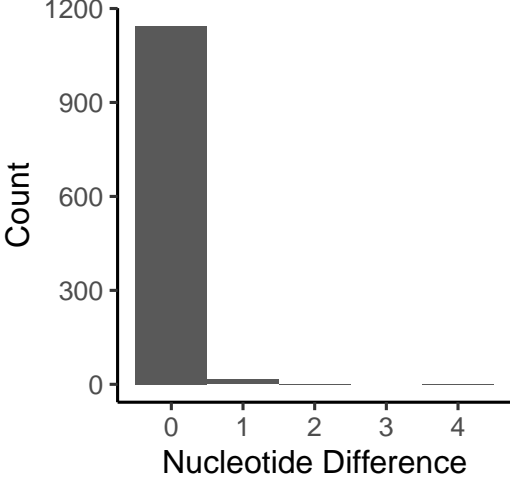
TRBV12-5*ap01

1466 sequences assigned
1450 (98.9%) exact matches, in which:
1421 unique CDR3
13 unique J



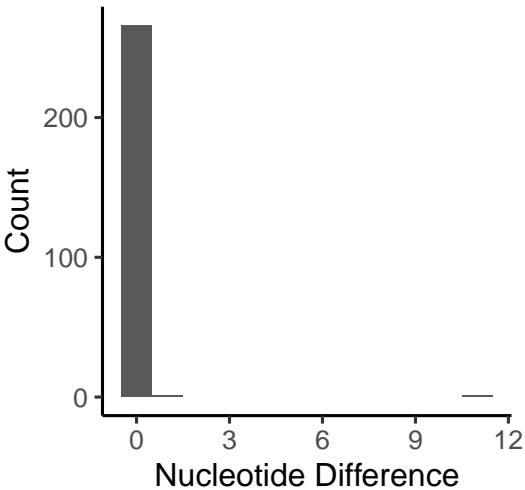
TRBV11-1*ap01

1161 sequences assigned
1144 (98.5%) exact matches, in which:
1123 unique CDR3
13 unique J



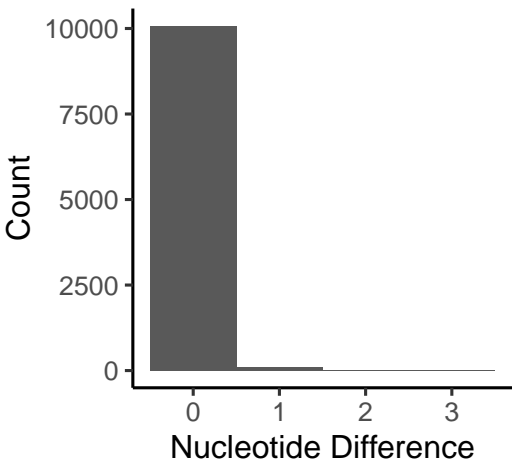
TRBV12-1*ap01

268 sequences assigned
266 (99.3%) exact matches, in which:
261 unique CDR3
13 unique J



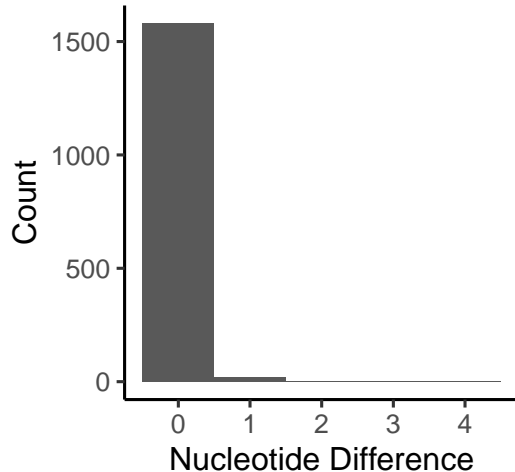
TRBV12-34*ap01

10184 sequences assigned
10079 (99%) exact matches, in which:
9901 unique CDR3
13 unique J



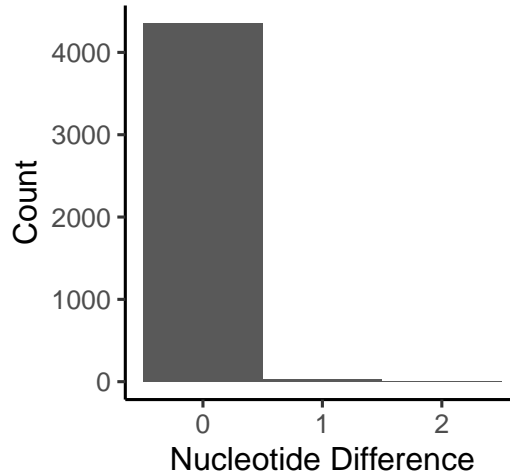
TRBV23-1*ap01

1605 sequences assigned
1580 (98.4%) exact matches, in which:
1543 unique CDR3
13 unique J



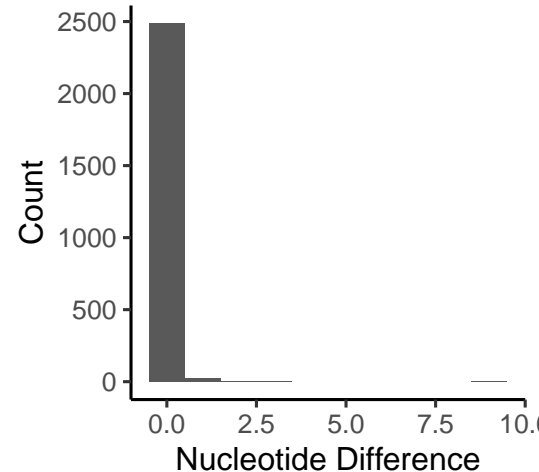
TRBV4-1*ap01

4389 sequences assigned
4352 (99.2%) exact matches, in which:
4277 unique CDR3
13 unique J



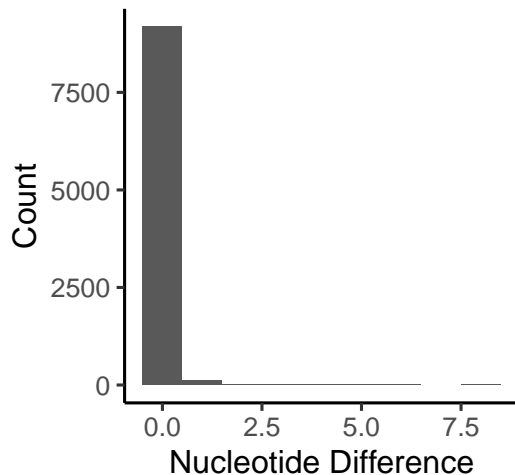
TRBV25-1*ap01

2520 sequences assigned
2487 (98.7%) exact matches, in which:
2448 unique CDR3
13 unique J



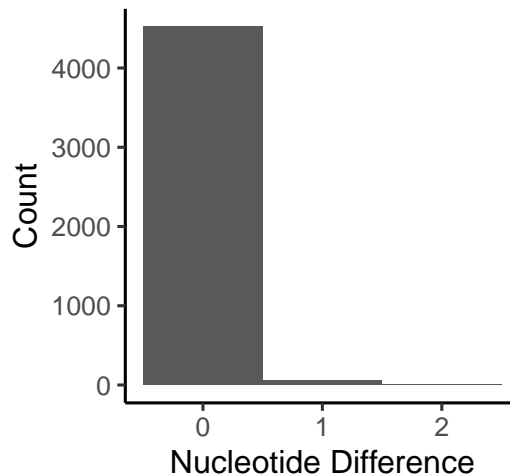
TRBV3-12*ap01

9297 sequences assigned
9183 (98.8%) exact matches, in which:
9014 unique CDR3
13 unique J



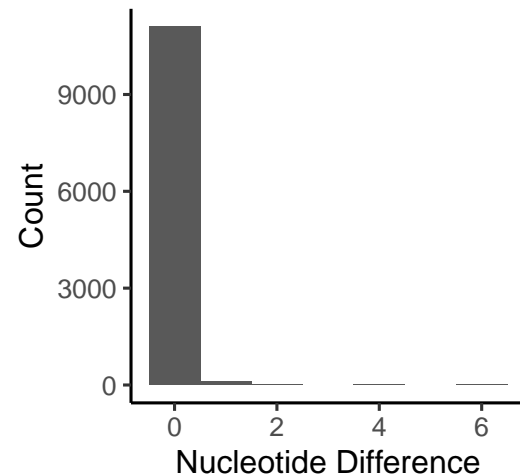
TRBV4-2*ap01

4581 sequences assigned
4521 (98.7%) exact matches, in which:
4436 unique CDR3
13 unique J



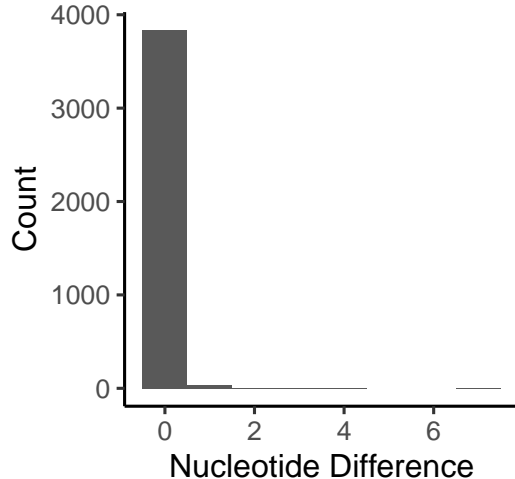
TRBV5-1*ap01

11215 sequences assigned
11099 (99%) exact matches, in which:
10816 unique CDR3
13 unique J



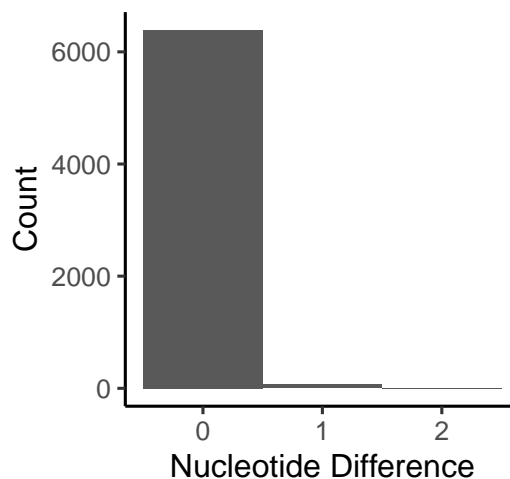
TRBV24-1*ap01

3881 sequences assigned
3836 (98.8%) exact matches, in which:
3771 unique CDR3
13 unique J



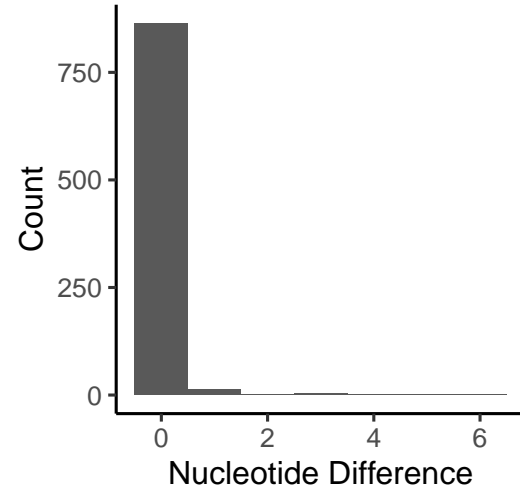
TRBV4-3*ap01

6459 sequences assigned
6389 (98.9%) exact matches, in which:
6272 unique CDR3
13 unique J



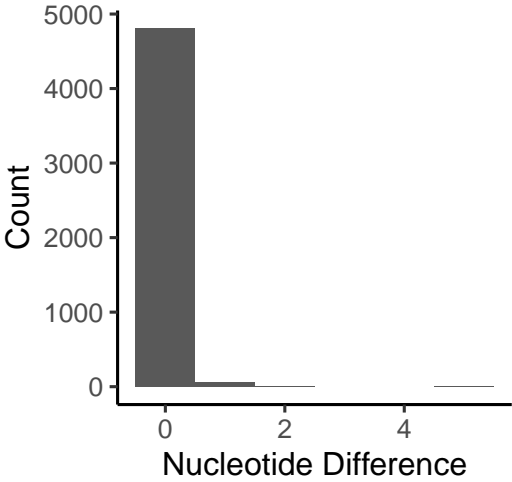
TRBV5-3*ap01

884 sequences assigned
864 (97.7%) exact matches, in which:
846 unique CDR3
13 unique J



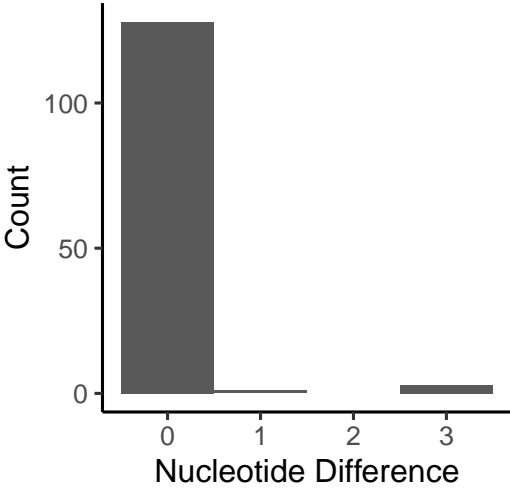
TRBV5-4*ap01

4878 sequences assigned
4807 (98.5%) exact matches, in which:
4720 unique CDR3
13 unique J



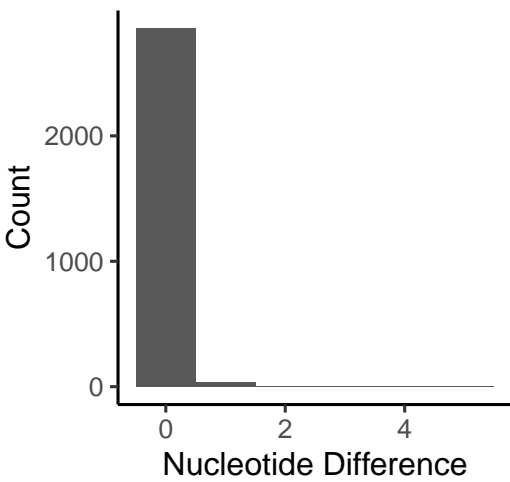
TRBV5-7*ap01

132 sequences assigned
128 (97%) exact matches, in which:
126 unique CDR3
13 unique J



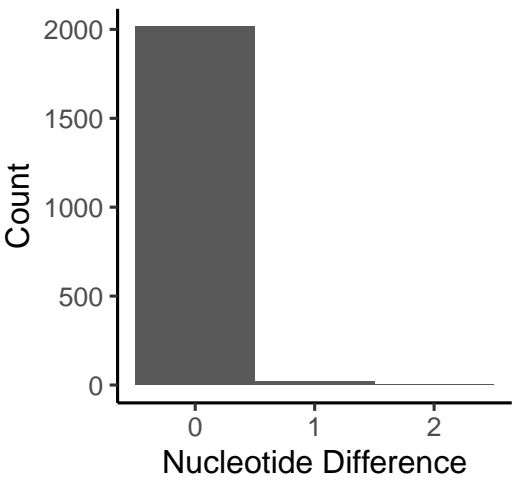
TRBV6-4*ap01

2908 sequences assigned
2857 (98.2%) exact matches, in which:
2811 unique CDR3
13 unique J



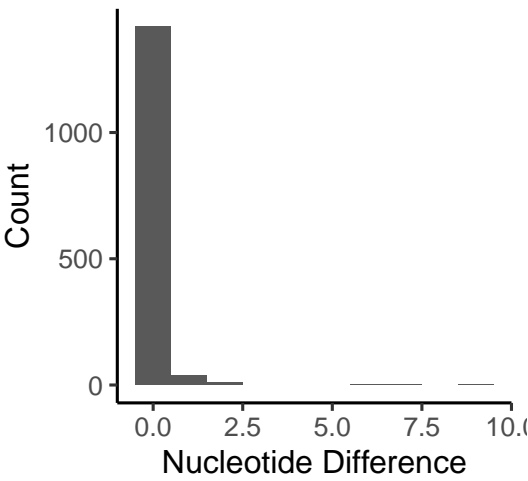
TRBV5-5*ap01

2033 sequences assigned
2015 (99.1%) exact matches, in which:
1974 unique CDR3
13 unique J



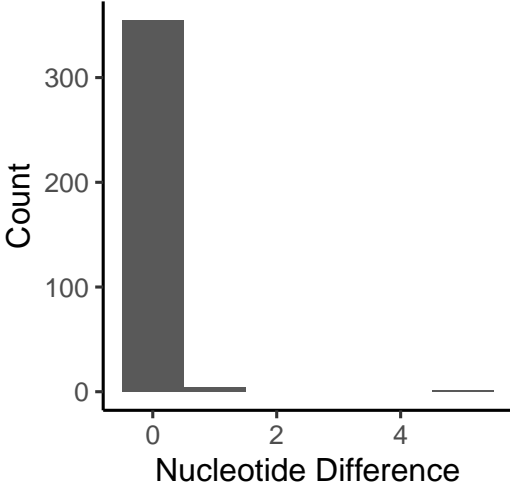
TRBV5-8*ap01

1471 sequences assigned
1419 (96.5%) exact matches, in which:
1395 unique CDR3
13 unique J



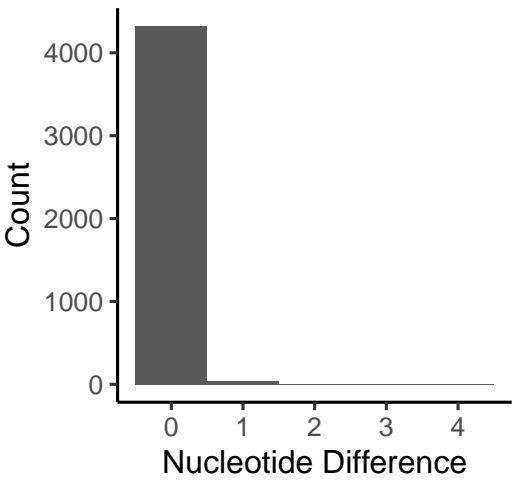
TRBV6-7*ap01

360 sequences assigned
355 (98.6%) exact matches, in which:
349 unique CDR3
13 unique J



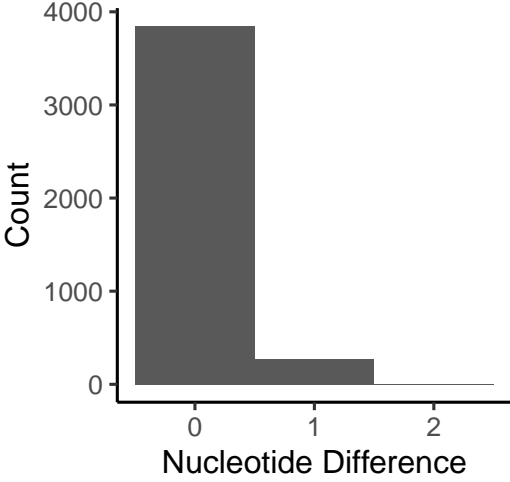
TRBV5-6*ap01

4368 sequences assigned
4323 (99%) exact matches, in which:
4219 unique CDR3
13 unique J



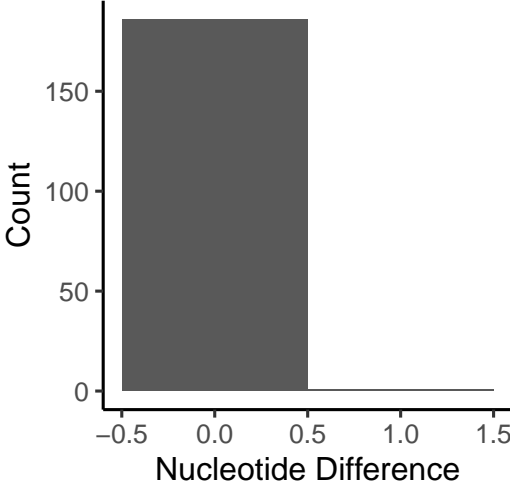
TRBV6-1*ap01

4122 sequences assigned
3847 (93.3%) exact matches, in which:
3769 unique CDR3
13 unique J



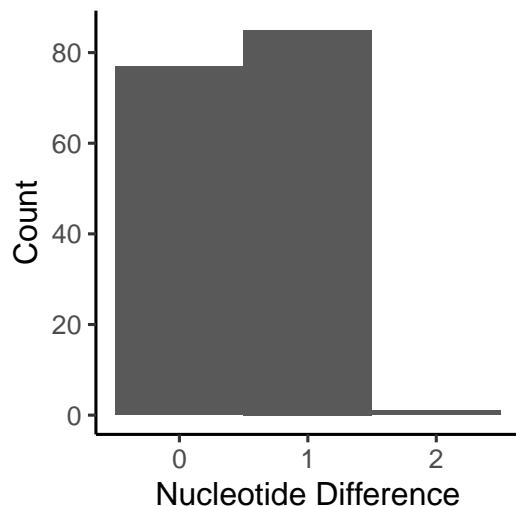
TRBV6-8*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
184 unique CDR3
13 unique J



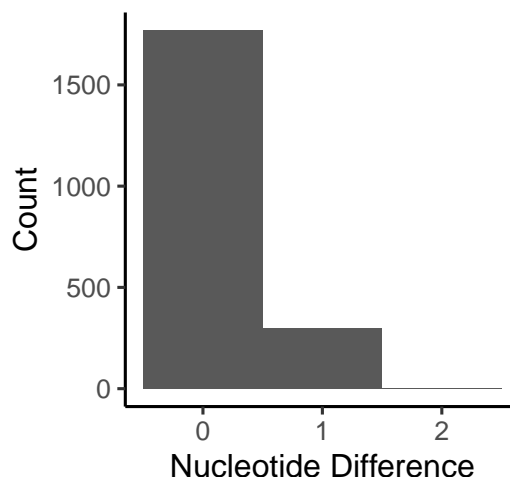
TRBV6-9*ap01

163 sequences assigned
77 (47.2%) exact matches, in which:
75 unique CDR3
12 unique J



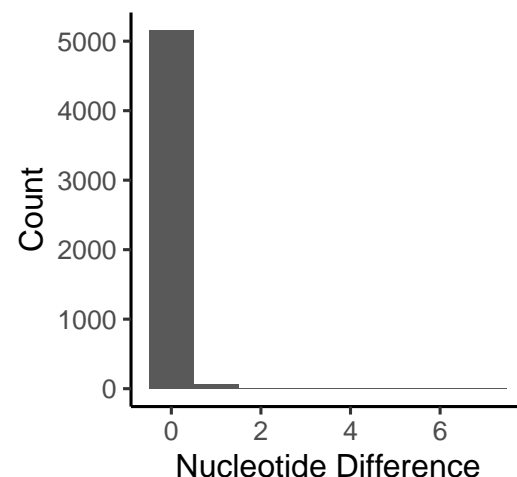
TRBV6-56*ap02

2067 sequences assigned
1769 (85.6%) exact matches, in which:
1737 unique CDR3
13 unique J



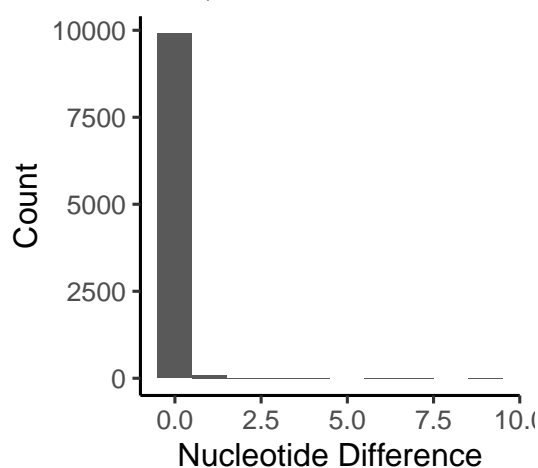
TRBV7-3*ap01

5224 sequences assigned
5155 (98.7%) exact matches, in which:
5089 unique CDR3
13 unique J



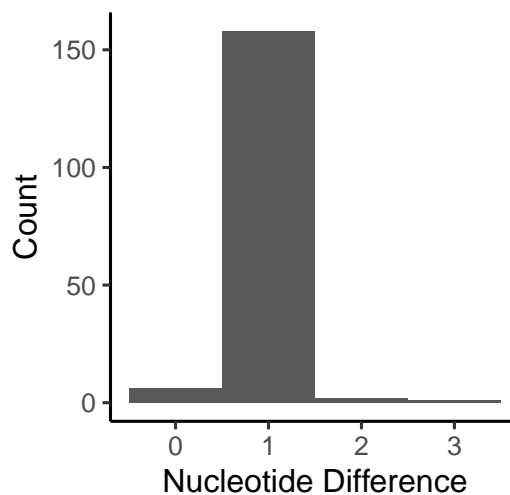
TRBV6-23*ap01

10018 sequences assigned
9908 (98.9%) exact matches, in which:
9726 unique CDR3
13 unique J



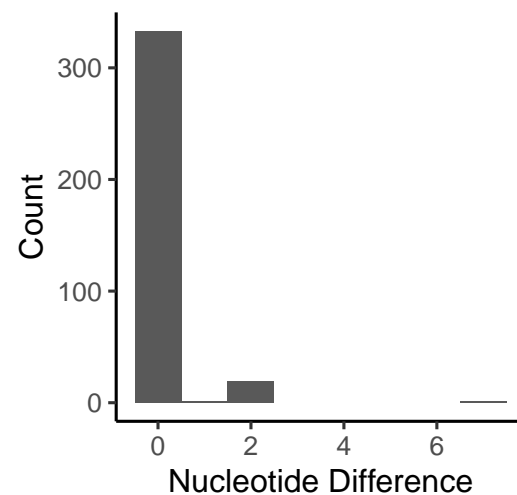
TRBV7-1*ap01_T296C

167 sequences assigned
6 (3.6%) exact matches, in which:
6 unique CDR3
5 unique J



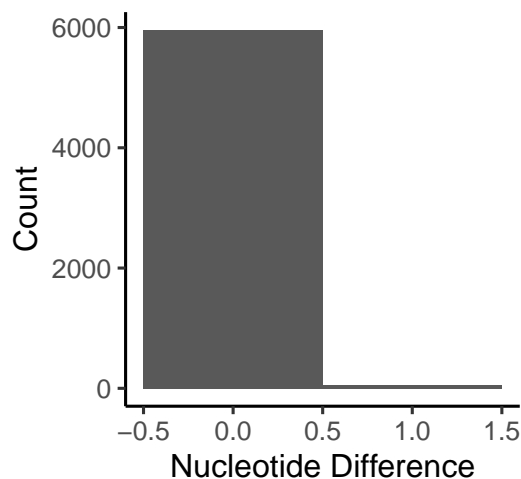
TRBV7-4*ap01

354 sequences assigned
333 (94.1%) exact matches, in which:
328 unique CDR3
13 unique J



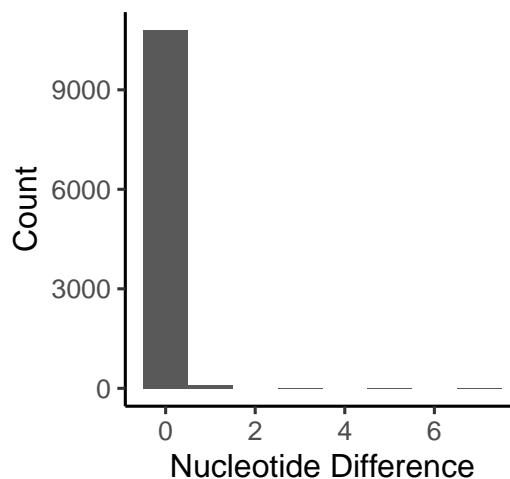
TRBV6-56*ap01

6011 sequences assigned
5958 (99.1%) exact matches, in which:
5856 unique CDR3
13 unique J



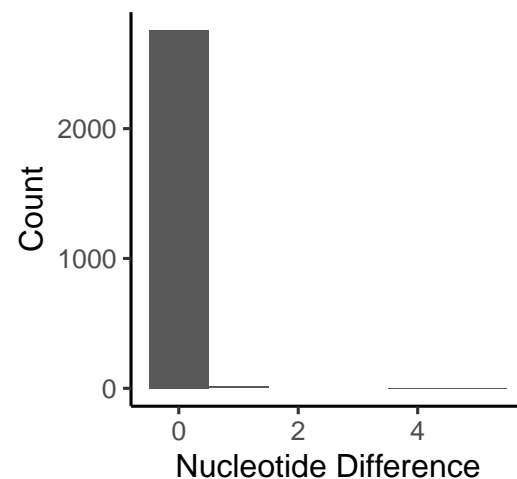
TRBV7-2*ap01

10901 sequences assigned
10802 (99.1%) exact matches, in which:
10640 unique CDR3
13 unique J



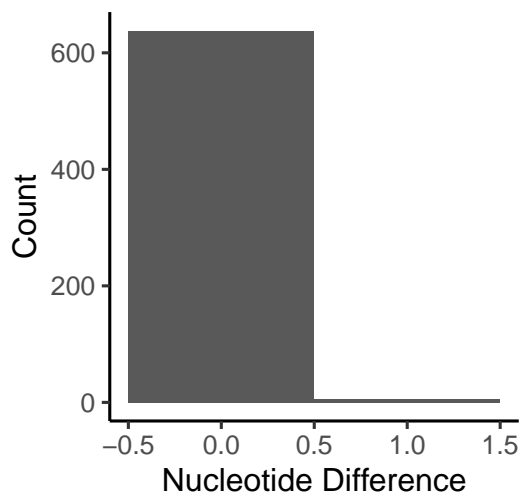
TRBV7-6*ap01

2774 sequences assigned
2759 (99.5%) exact matches, in which:
2697 unique CDR3
13 unique J



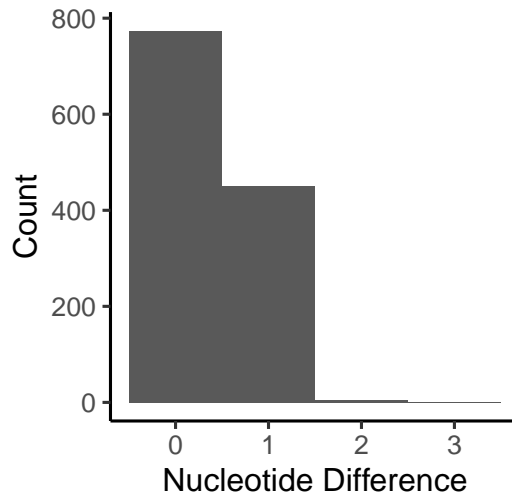
TRBV7-7*ap01

644 sequences assigned
638 (99.1%) exact matches, in which:
627 unique CDR3
13 unique J



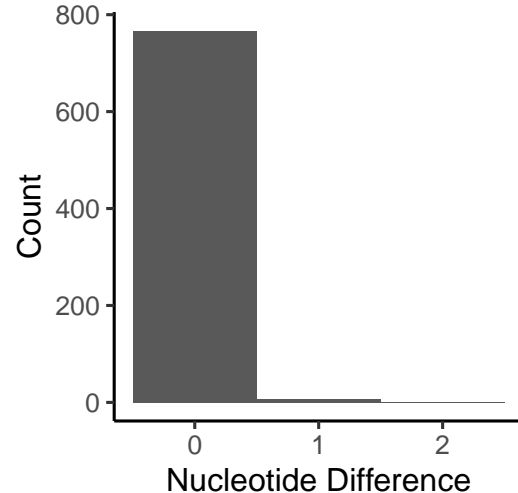
TRBV7-8*ap03

1231 sequences assigned
774 (62.9%) exact matches, in which:
755 unique CDR3
13 unique J



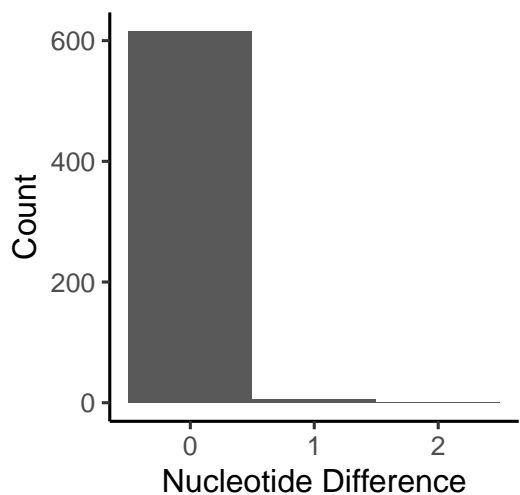
TRBV29-1*ap02

775 sequences assigned
767 (99%) exact matches, in which:
750 unique CDR3
13 unique J



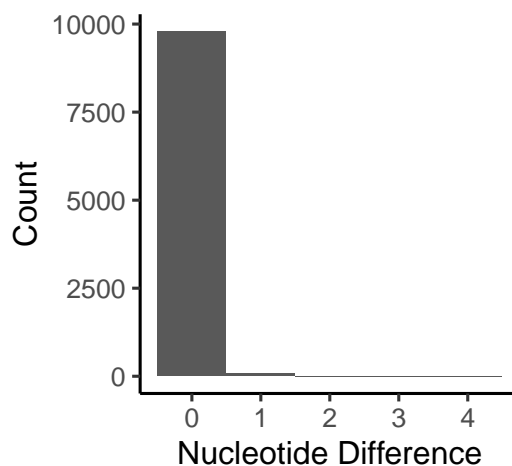
TRBV7-7*ap01_C315T

623 sequences assigned
616 (98.9%) exact matches, in which:
610 unique CDR3
13 unique J



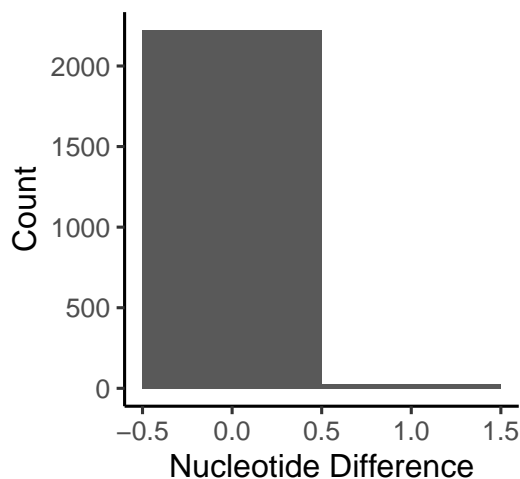
TRBV7-9*ap01

9877 sequences assigned
9790 (99.1%) exact matches, in which:
9660 unique CDR3
13 unique J



TRBV7-8*ap01

2250 sequences assigned
2223 (98.8%) exact matches, in which:
2161 unique CDR3
13 unique J



TRBV29-1*ap01

3760 sequences assigned
3723 (99%) exact matches, in which:
3670 unique CDR3
13 unique J

