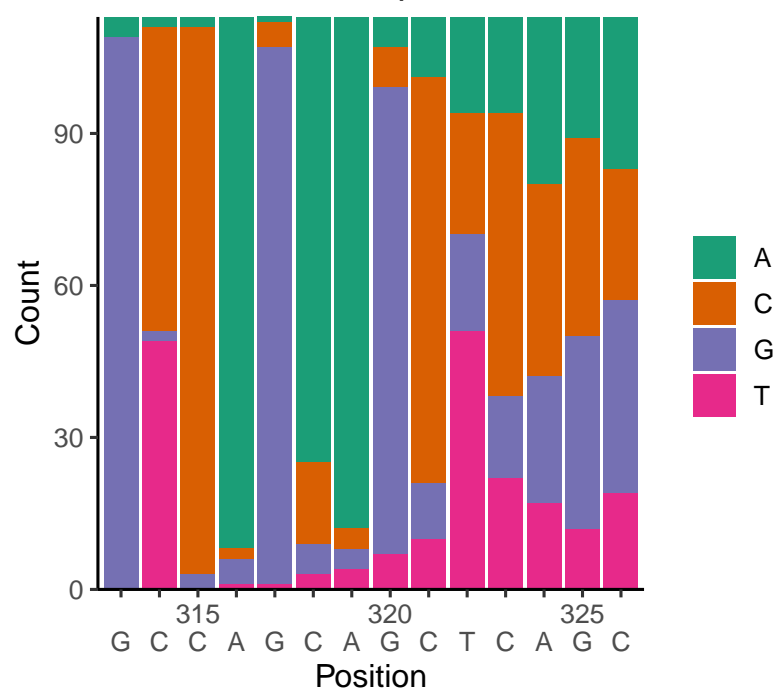
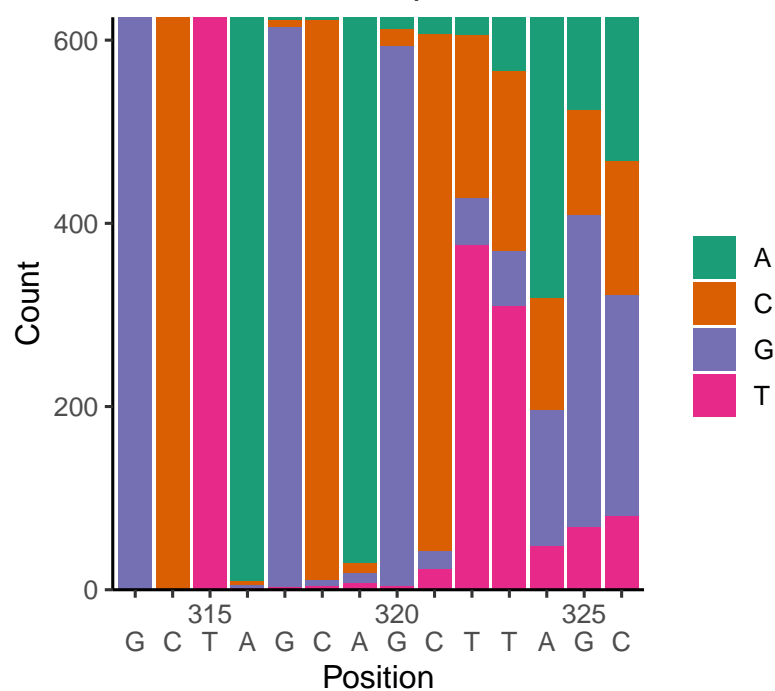


Gene TRBV7-1*ap01_T296C



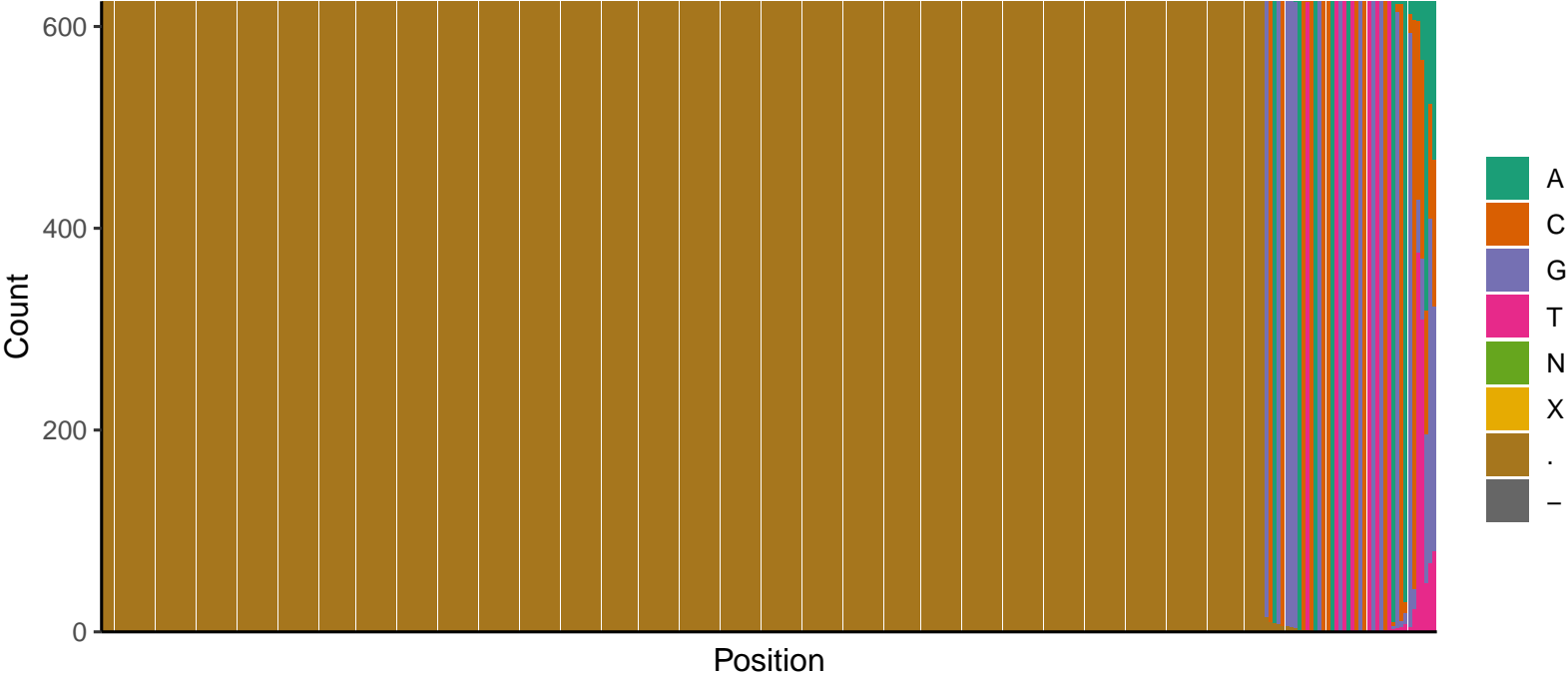
Gene TRBV7-7*ap01_C315T



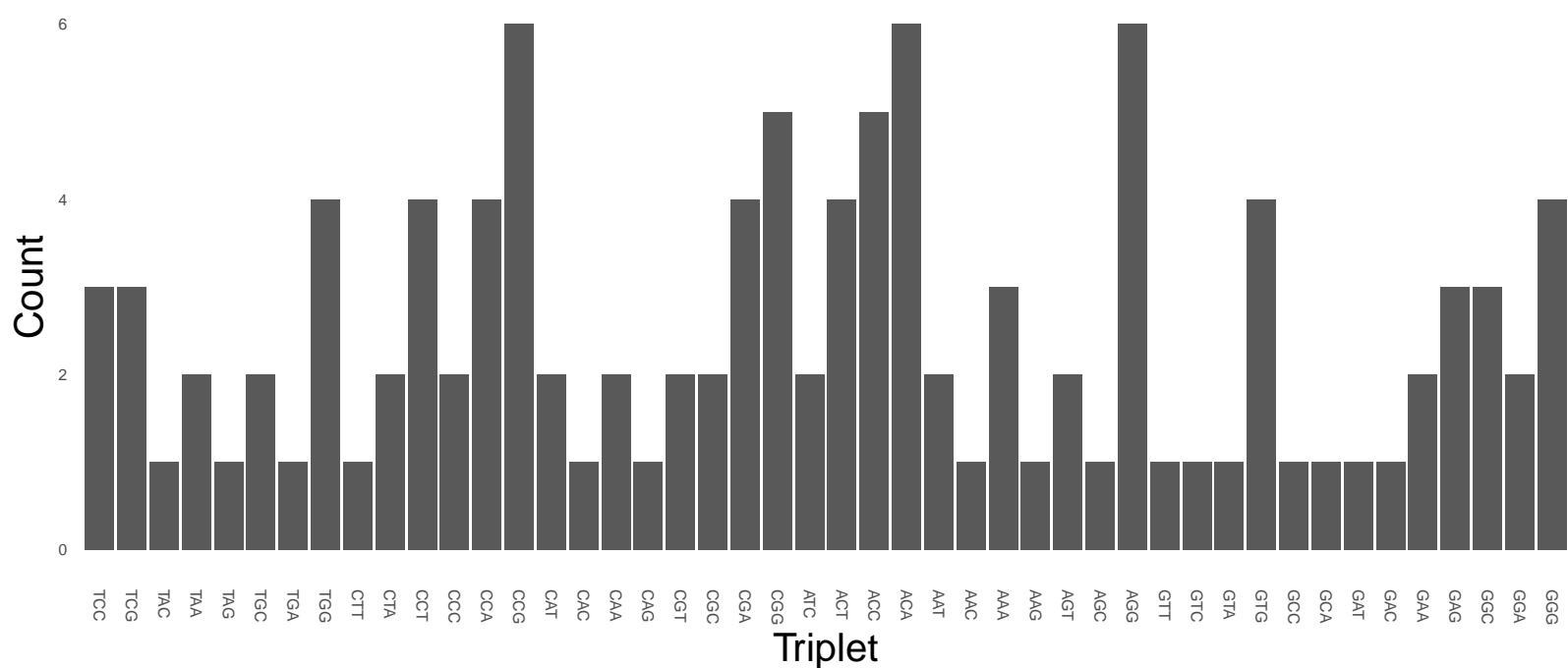
Gene TRBV7-1*ap01_T296C



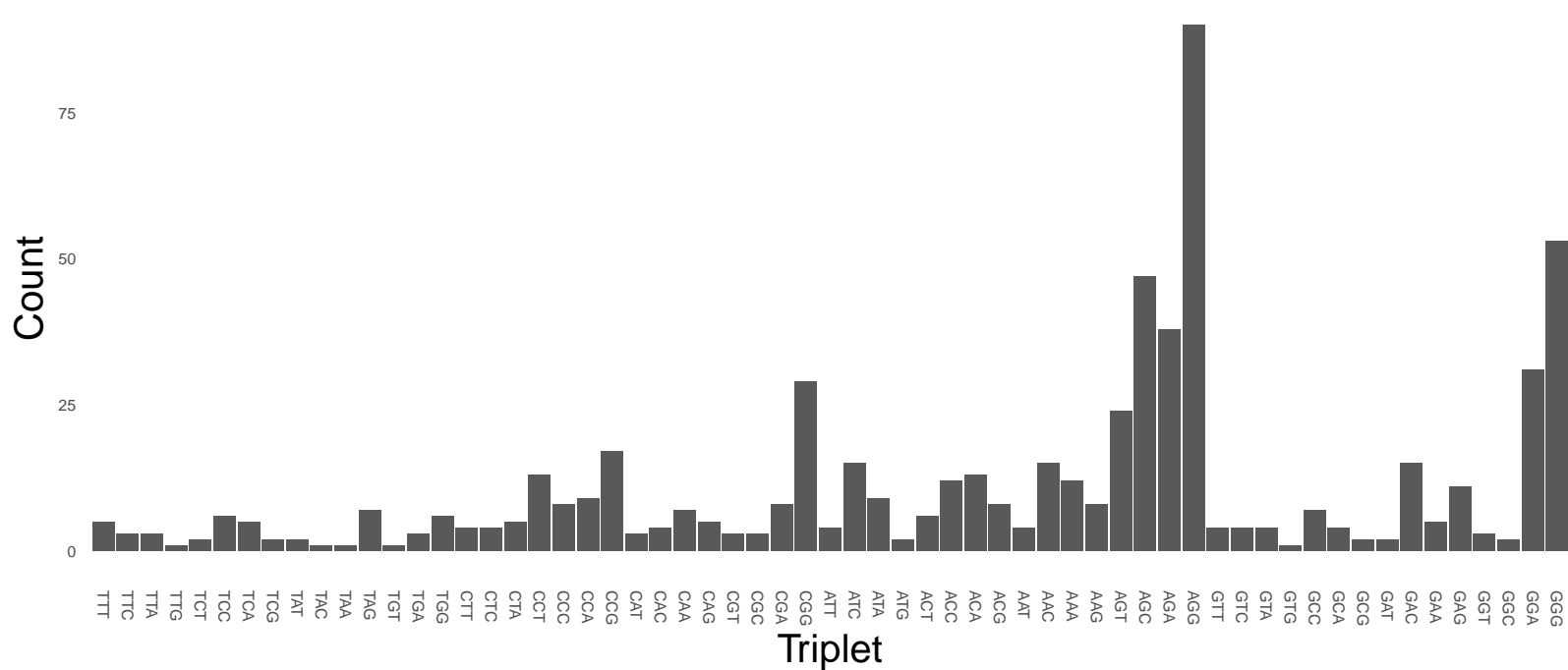
Gene TRBV7-7*ap01_C315T



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

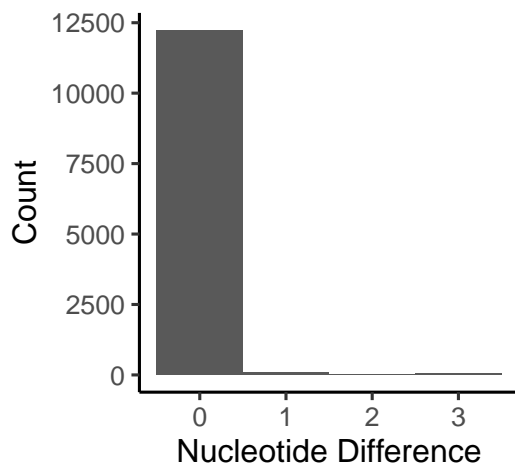


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



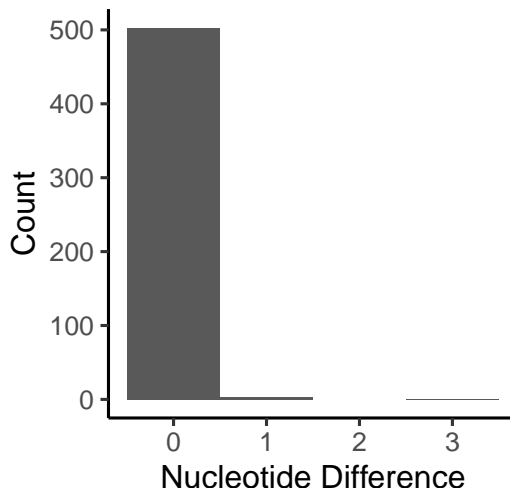
TRBV20-1*ap01

12423 sequences assigned
12236 (98.5%) exact matches, in which:
12070 unique CDR3
13 unique J



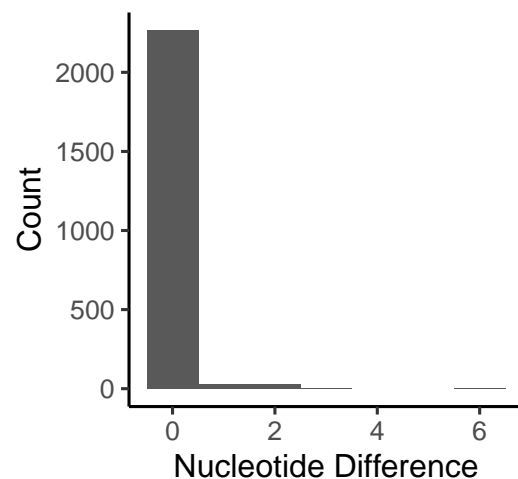
TRBV10-2*ap01

507 sequences assigned
503 (99.2%) exact matches, in which:
499 unique CDR3
13 unique J



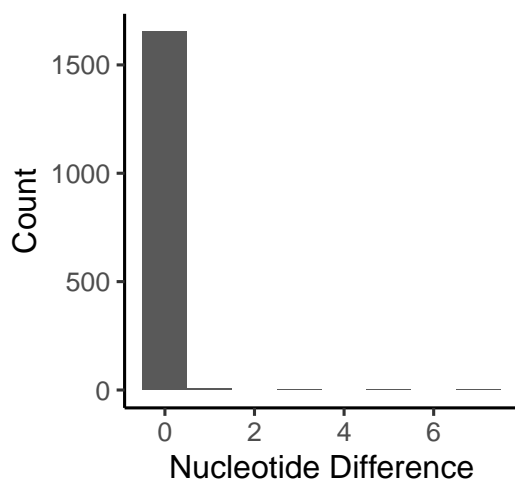
TRBV13*ap01

2328 sequences assigned
2265 (97.3%) exact matches, in which:
2236 unique CDR3
13 unique J



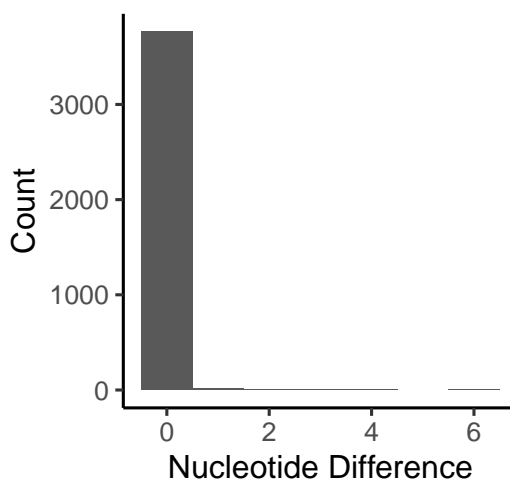
TRBV10-1*ap01

1664 sequences assigned
1653 (99.3%) exact matches, in which:
1646 unique CDR3
13 unique J



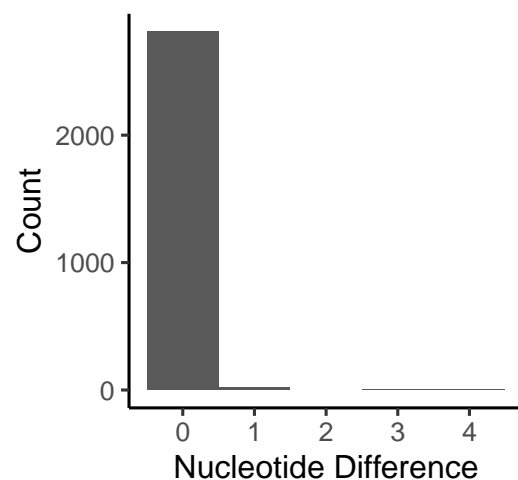
TRBV10-3*ap01

3785 sequences assigned
3764 (99.4%) exact matches, in which:
3743 unique CDR3
13 unique J



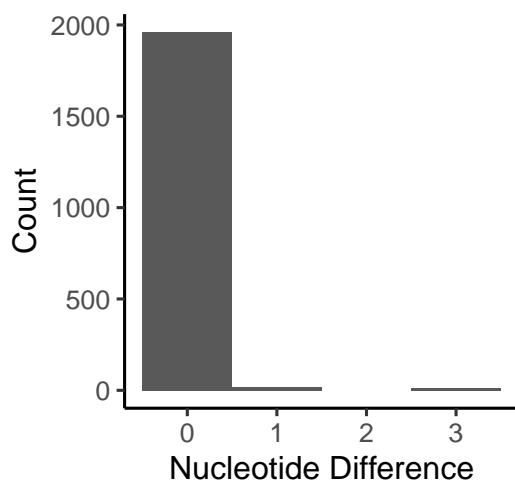
TRBV14*ap01

2833 sequences assigned
2812 (99.3%) exact matches, in which:
2788 unique CDR3
13 unique J



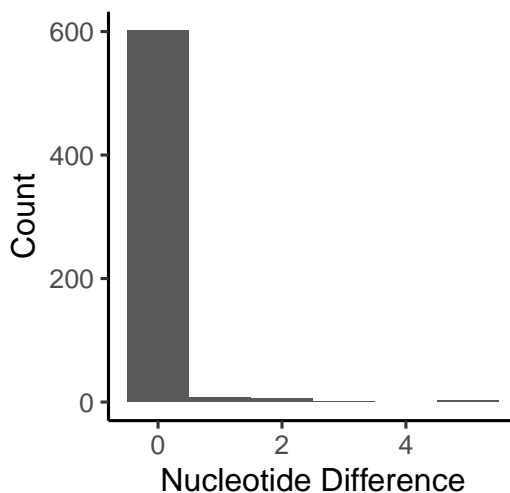
TRBV20-1*ap02

1993 sequences assigned
1961 (98.4%) exact matches, in which:
1937 unique CDR3
13 unique J



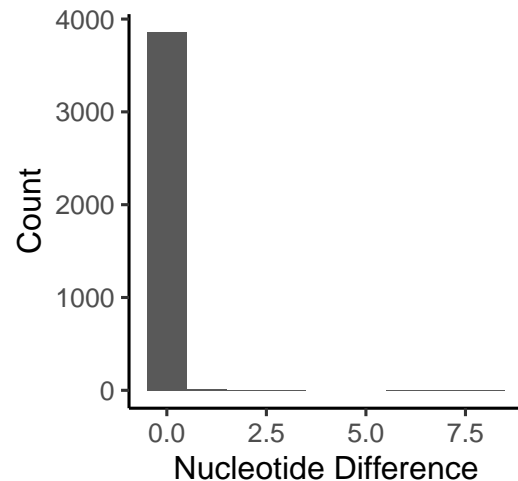
TRBV1*ap01

617 sequences assigned
602 (97.6%) exact matches, in which:
590 unique CDR3
13 unique J



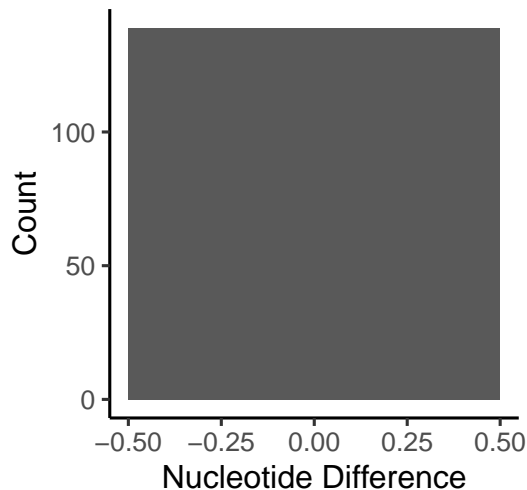
TRBV15*ap02

3885 sequences assigned
3860 (99.4%) exact matches, in which:
3829 unique CDR3
13 unique J



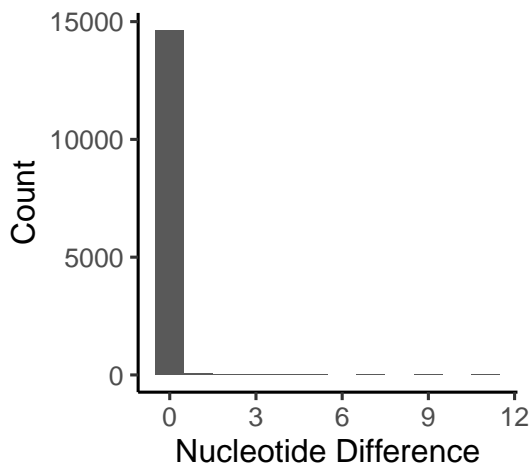
TRBV16*ap01

139 sequences assigned
139 (100%) exact matches, in which:
139 unique CDR3
13 unique J



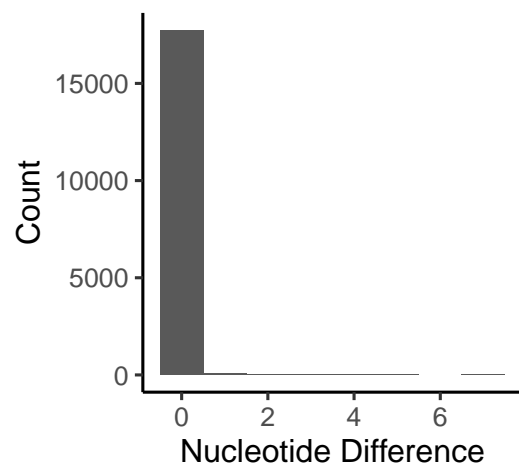
TRBV19*ap01

14745 sequences assigned
14638 (99.3%) exact matches, in which:
14538 unique CDR3
13 unique J



TRBV28*ap01

17869 sequences assigned
17740 (99.3%) exact matches, in which:
17620 unique CDR3
13 unique J



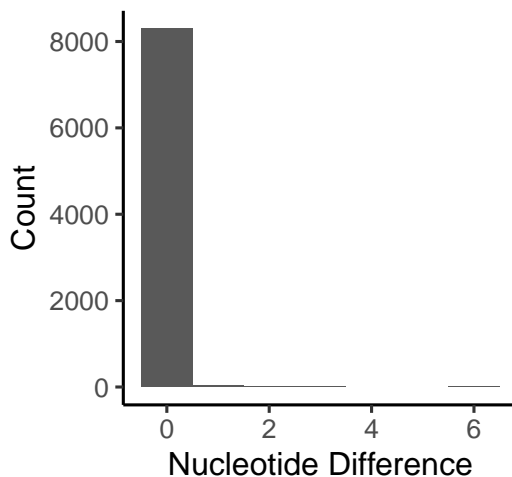
TRBV17*ap01

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



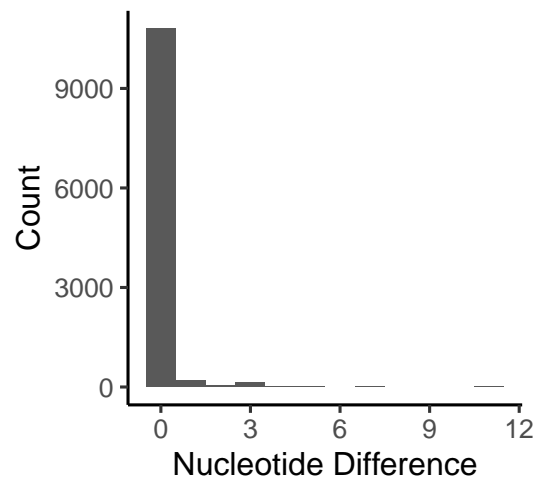
TRBV2*ap01

8365 sequences assigned
8296 (99.2%) exact matches, in which:
8250 unique CDR3
13 unique J



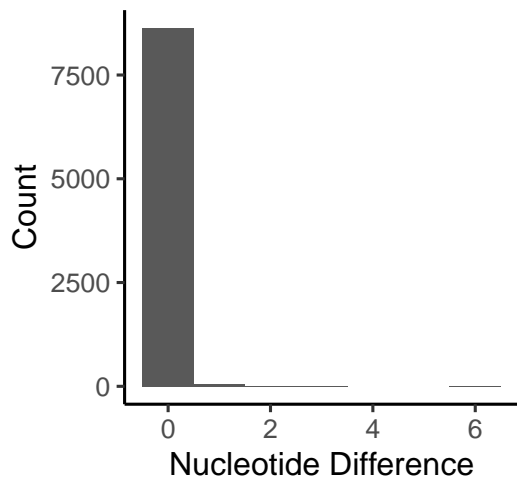
TRBV30*ap01

11173 sequences assigned
10800 (96.7%) exact matches, in which:
10583 unique CDR3
13 unique J



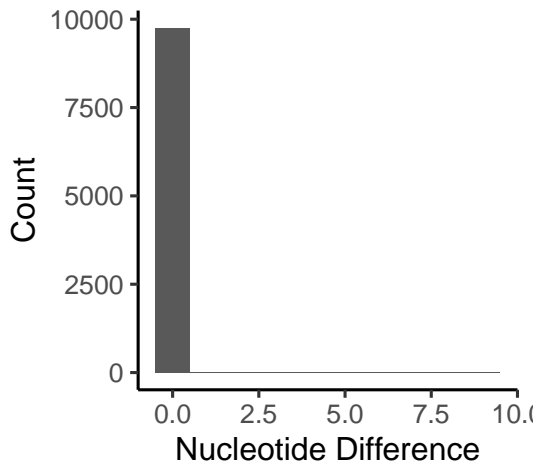
TRBV18*ap01

8709 sequences assigned
8631 (99.1%) exact matches, in which:
8508 unique CDR3
13 unique J



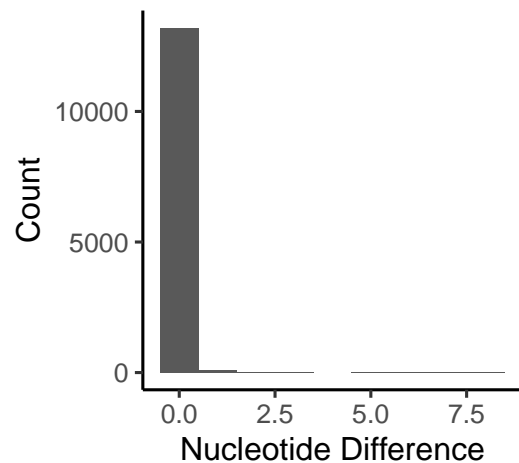
TRBV27*ap01

9814 sequences assigned
9757 (99.4%) exact matches, in which:
9689 unique CDR3
13 unique J



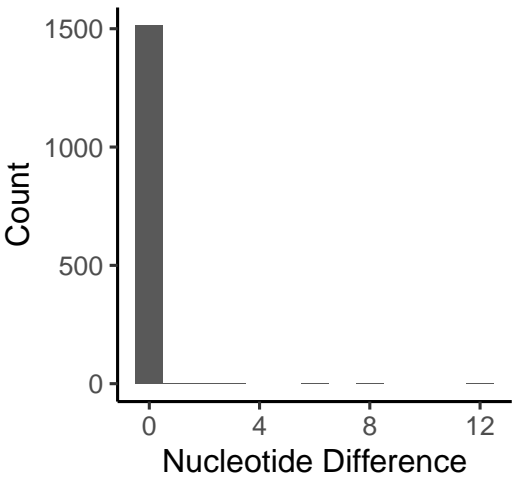
TRBV9*ap01

13338 sequences assigned
13204 (99%) exact matches, in which:
13066 unique CDR3
13 unique J



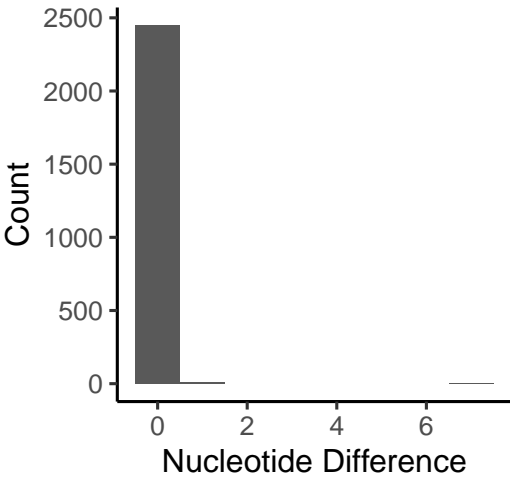
TRBV21-1*ap01

1530 sequences assigned
1514 (99%) exact matches, in which:
1513 unique CDR3
13 unique J



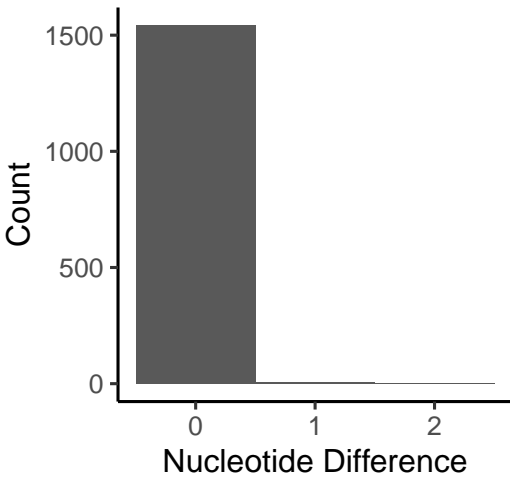
TRBV11-3*ap01

2457 sequences assigned
2448 (99.6%) exact matches, in which:
2431 unique CDR3
13 unique J



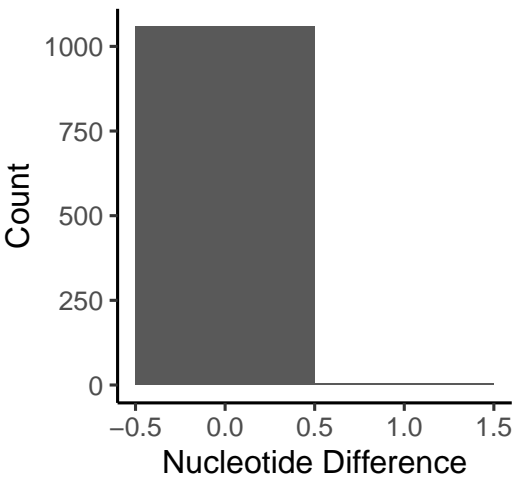
TRBV12-5*ap01

1549 sequences assigned
1542 (99.5%) exact matches, in which:
1534 unique CDR3
13 unique J



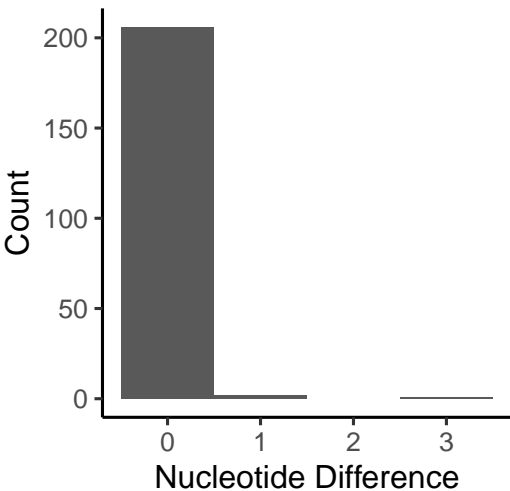
TRBV11-1*ap01

1061 sequences assigned
1058 (99.7%) exact matches, in which:
1050 unique CDR3
13 unique J



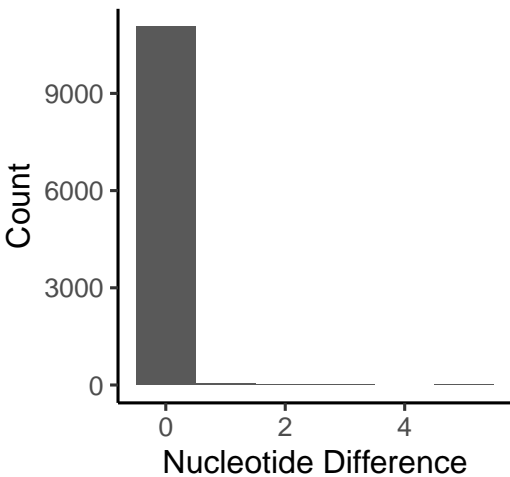
TRBV12-1*ap01

209 sequences assigned
206 (98.6%) exact matches, in which:
206 unique CDR3
13 unique J



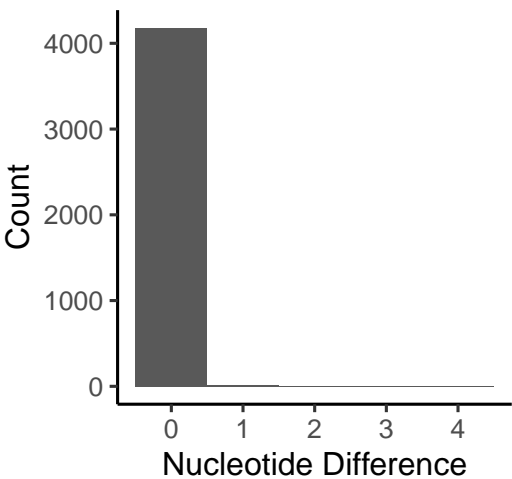
TRBV12-34*ap01

11123 sequences assigned
11058 (99.4%) exact matches, in which:
10969 unique CDR3
13 unique J



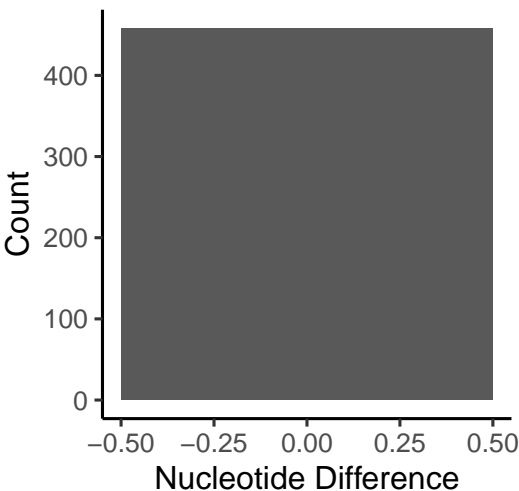
TRBV11-2*ap01

4198 sequences assigned
4178 (99.5%) exact matches, in which:
4153 unique CDR3
13 unique J



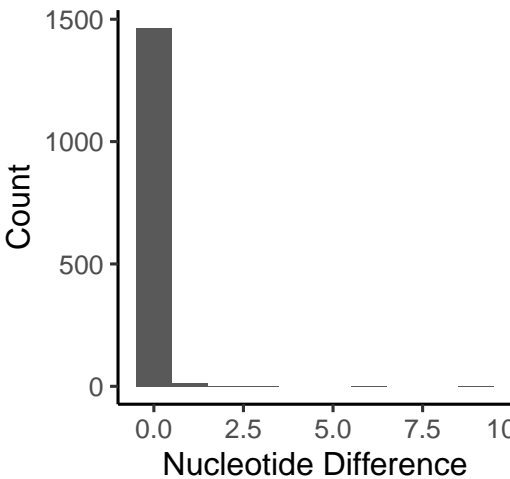
TRBV12-2*ap01

458 sequences assigned
458 (100%) exact matches, in which:
458 unique CDR3
13 unique J



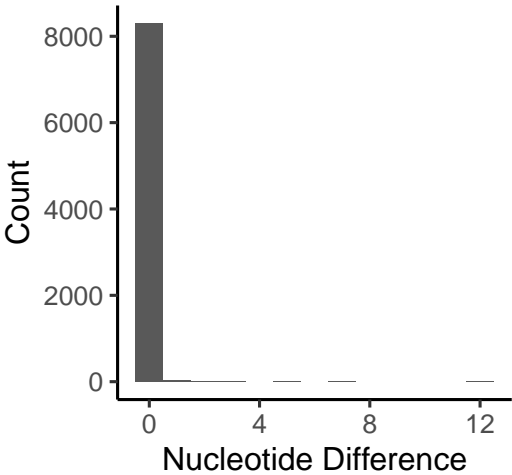
TRBV23-1*ap01

1482 sequences assigned
1464 (98.8%) exact matches, in which:
1462 unique CDR3
13 unique J



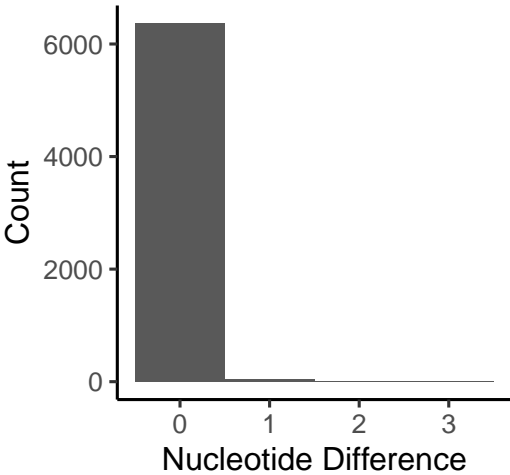
TRBV3-12*ap01

8352 sequences assigned
8298 (99.4%) exact matches, in which:
8255 unique CDR3
13 unique J



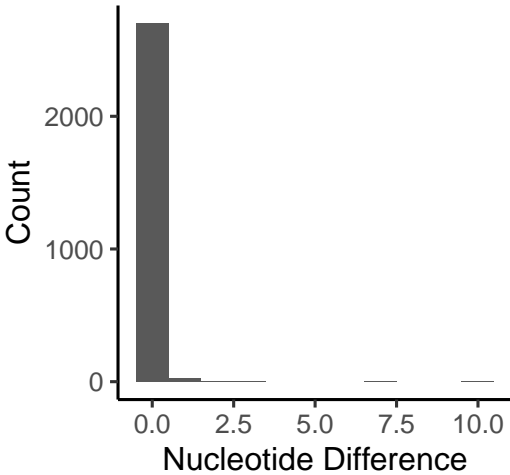
TRBV4-2*ap01

6436 sequences assigned
6366 (98.9%) exact matches, in which:
6291 unique CDR3
13 unique J



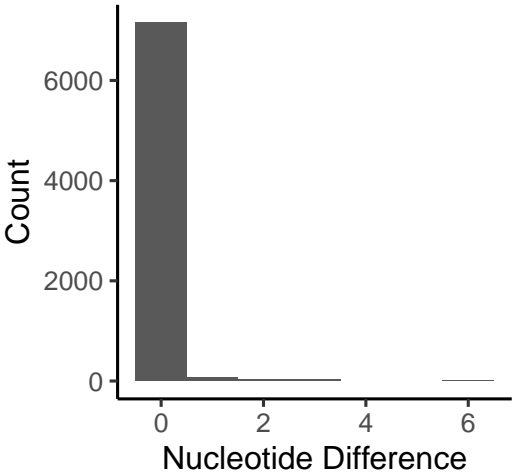
TRBV25-1*ap01

2738 sequences assigned
2700 (98.6%) exact matches, in which:
2672 unique CDR3
13 unique J



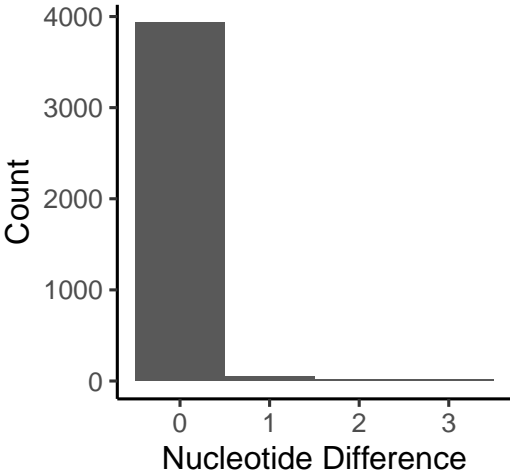
TRBV4-1*ap01

7277 sequences assigned
7152 (98.3%) exact matches, in which:
7069 unique CDR3
13 unique J



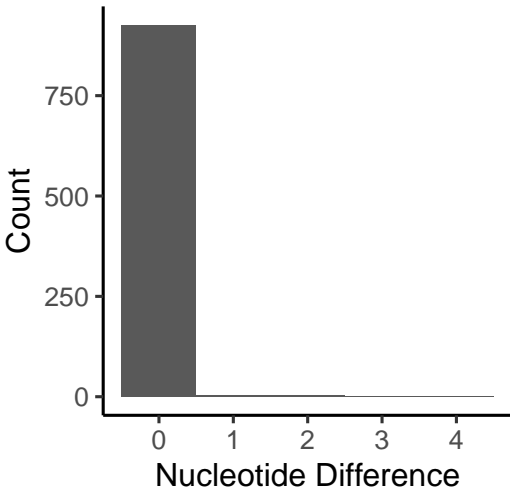
TRBV4-3*ap01

4017 sequences assigned
3932 (97.9%) exact matches, in which:
3873 unique CDR3
13 unique J



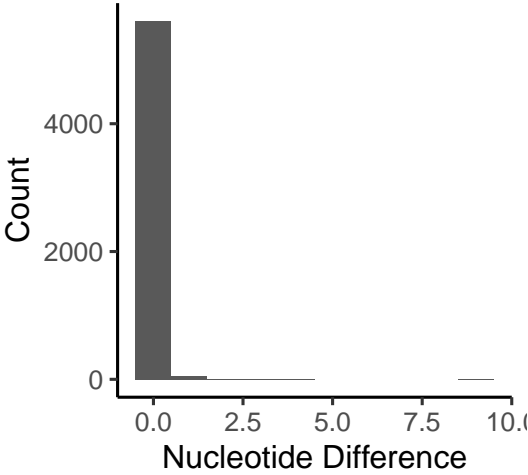
TRBV5-3*ap01

937 sequences assigned
926 (98.8%) exact matches, in which:
925 unique CDR3
13 unique J



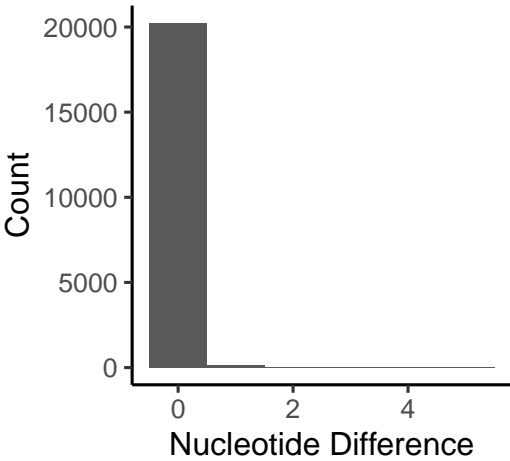
TRBV24-1*ap01

5675 sequences assigned
5607 (98.8%) exact matches, in which:
5555 unique CDR3
13 unique J



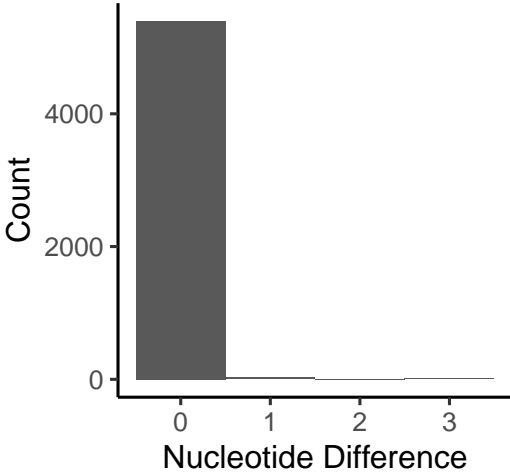
TRBV5-1*ap01

20431 sequences assigned
20249 (99.1%) exact matches, in which:
20037 unique CDR3
14 unique J



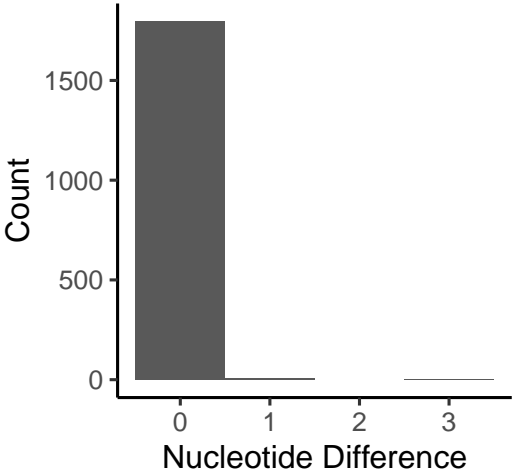
TRBV5-4*ap01

5437 sequences assigned
5397 (99.3%) exact matches, in which:
5357 unique CDR3
13 unique J



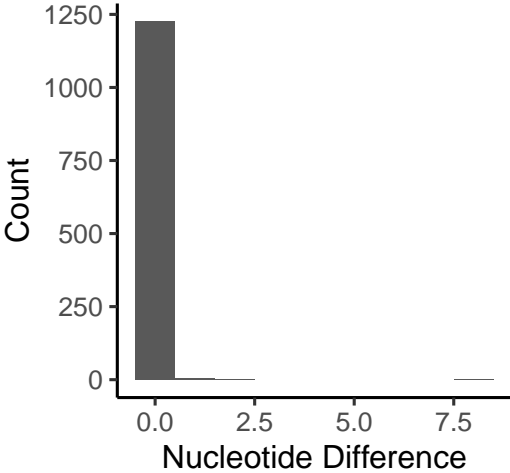
TRBV5-5*ap01

1805 sequences assigned
1796 (99.5%) exact matches, in which:
1788 unique CDR3
13 unique J



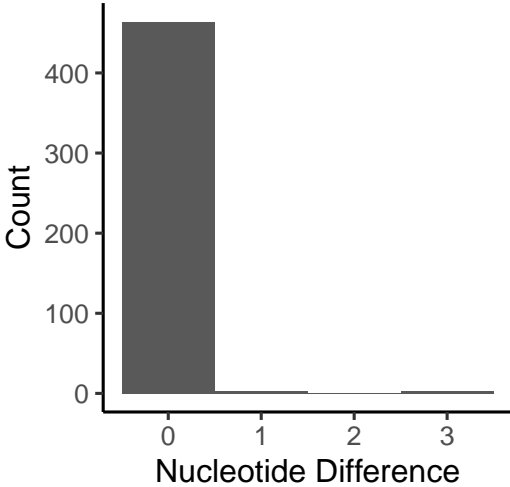
TRBV5-8*ap01

1234 sequences assigned
1226 (99.4%) exact matches, in which:
1220 unique CDR3
13 unique J



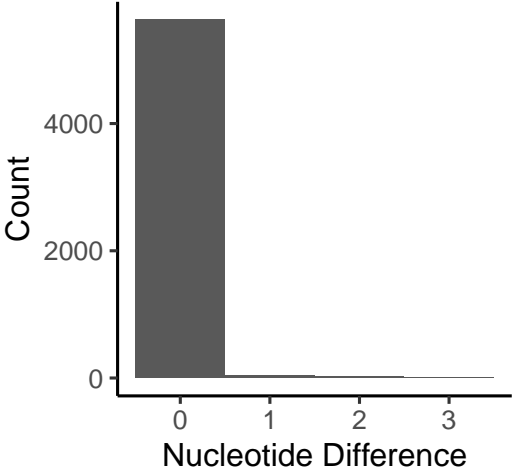
TRBV6-7*ap01

471 sequences assigned
464 (98.5%) exact matches, in which:
463 unique CDR3
13 unique J



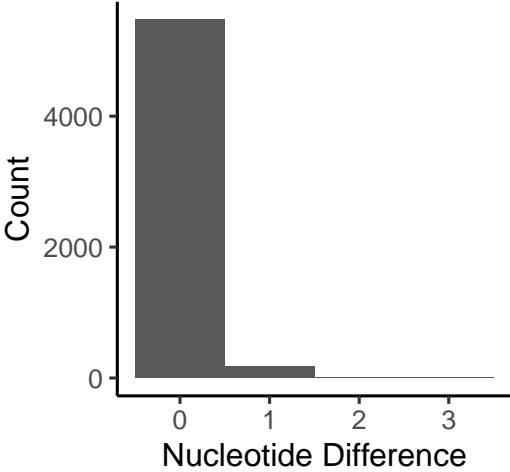
TRBV5-6*ap01

5701 sequences assigned
5632 (98.8%) exact matches, in which:
5568 unique CDR3
13 unique J



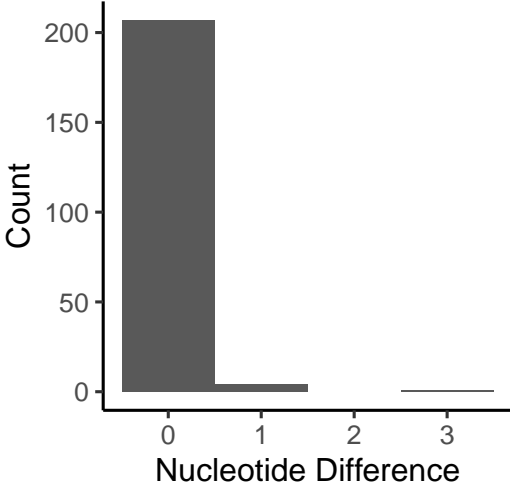
TRBV6-1*ap01

5665 sequences assigned
5473 (96.6%) exact matches, in which:
5405 unique CDR3
13 unique J



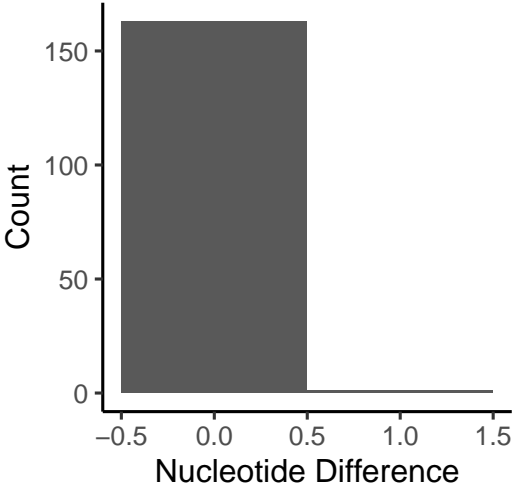
TRBV6-8*ap01

212 sequences assigned
207 (97.6%) exact matches, in which:
205 unique CDR3
13 unique J



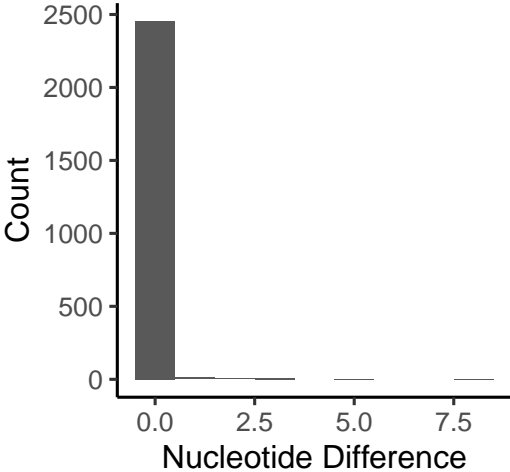
TRBV5-7*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
163 unique CDR3
12 unique J



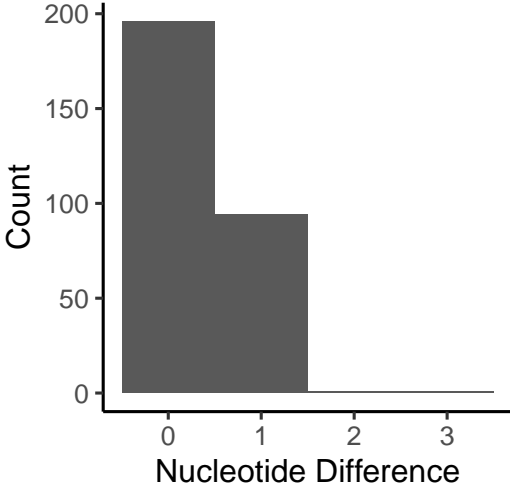
TRBV6-4*ap01

2486 sequences assigned
2455 (98.8%) exact matches, in which:
2434 unique CDR3
13 unique J



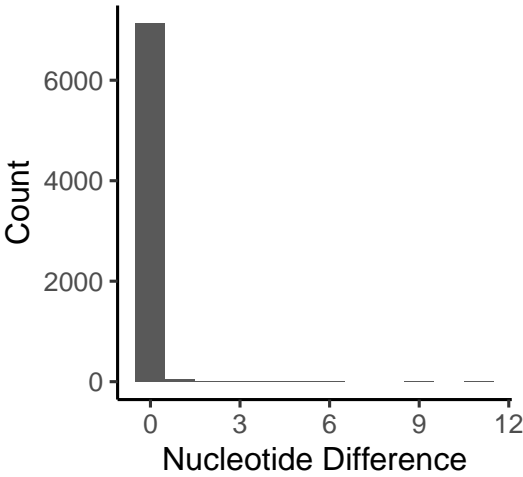
TRBV6-9*ap01

292 sequences assigned
196 (67.1%) exact matches, in which:
195 unique CDR3
13 unique J



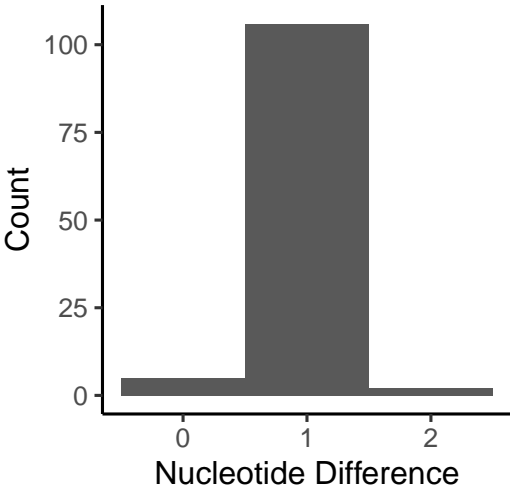
TRBV6-23*ap01

7202 sequences assigned
7131 (99%) exact matches, in which:
7051 unique CDR3
13 unique J



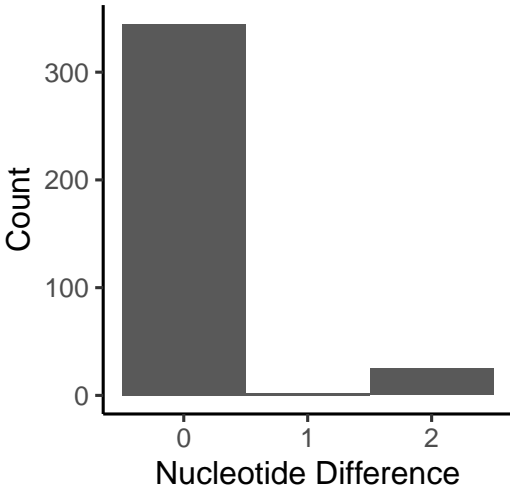
TRBV7-1*ap01_T296C

113 sequences assigned
5 (4.4%) exact matches, in which:
5 unique CDR3
5 unique J



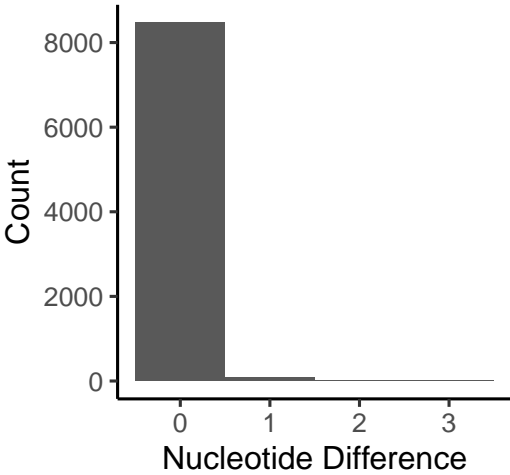
TRBV7-4*ap01

372 sequences assigned
345 (92.7%) exact matches, in which:
344 unique CDR3
13 unique J



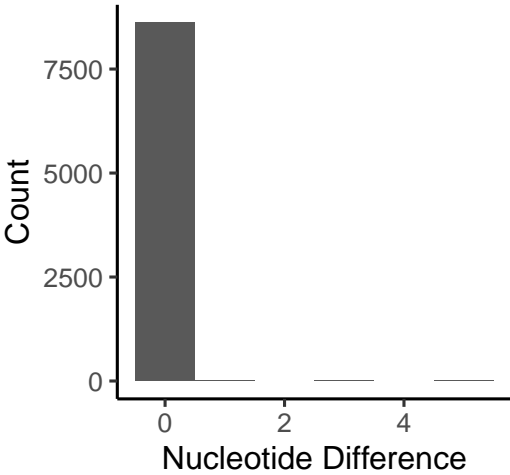
TRBV6-56*ap01

8564 sequences assigned
8469 (98.9%) exact matches, in which:
8342 unique CDR3
13 unique J



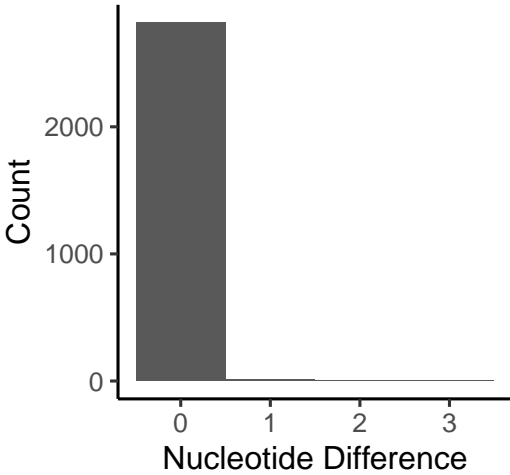
TRBV7-2*ap01

8639 sequences assigned
8614 (99.7%) exact matches, in which:
8550 unique CDR3
13 unique J



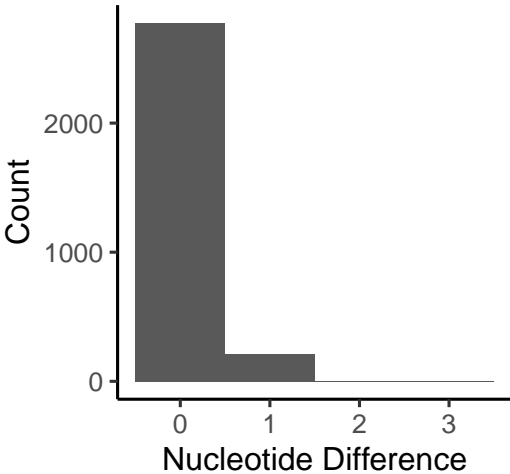
TRBV7-6*ap01

2833 sequences assigned
2819 (99.5%) exact matches, in which:
2806 unique CDR3
13 unique J



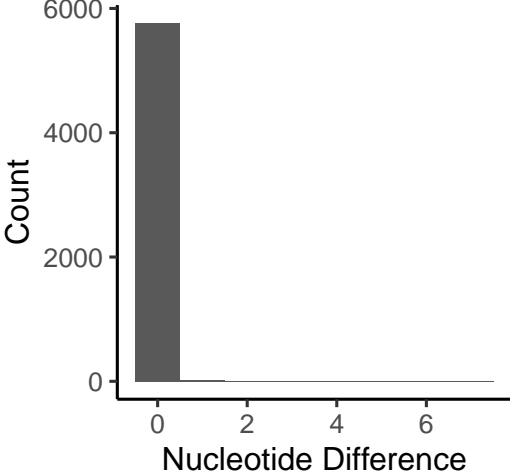
TRBV6-56*ap02

2994 sequences assigned
2775 (92.7%) exact matches, in which:
2724 unique CDR3
13 unique J



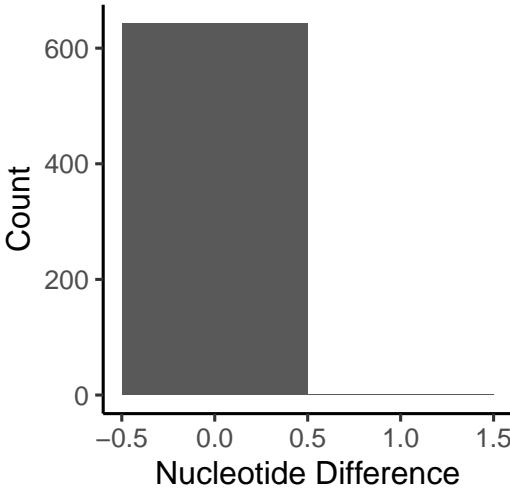
TRBV7-3*ap01

5798 sequences assigned
5765 (99.4%) exact matches, in which:
5727 unique CDR3
13 unique J



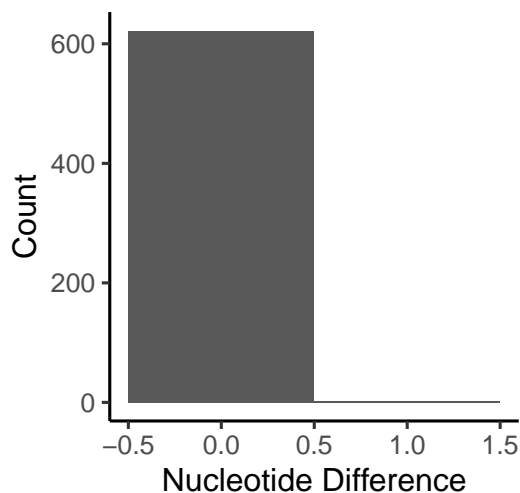
TRBV7-7*ap01

644 sequences assigned
643 (99.8%) exact matches, in which:
640 unique CDR3
12 unique J



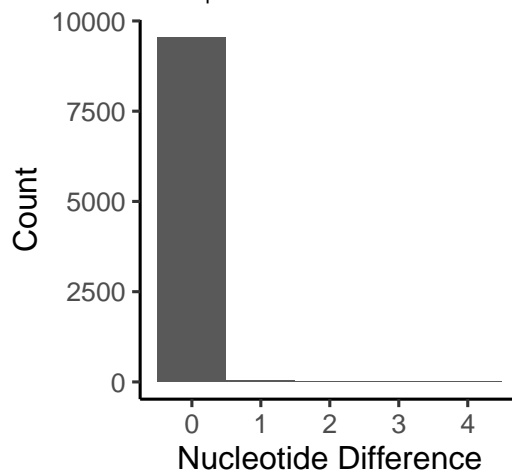
TRBV7-7*ap01_C315T

625 sequences assigned
622 (99.5%) exact matches, in which:
617 unique CDR3
13 unique J



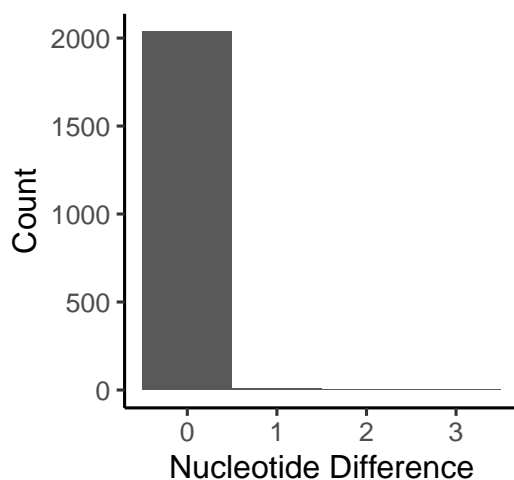
TRBV7-9*ap01

9602 sequences assigned
9551 (99.5%) exact matches, in which:
9473 unique CDR3
13 unique J



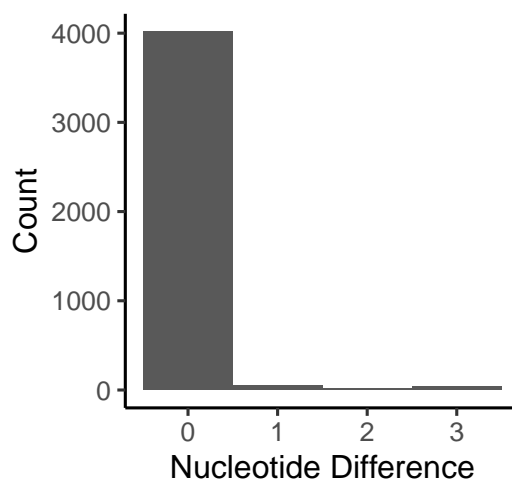
TRBV7-8*ap01

2045 sequences assigned
2036 (99.6%) exact matches, in which:
2026 unique CDR3
13 unique J



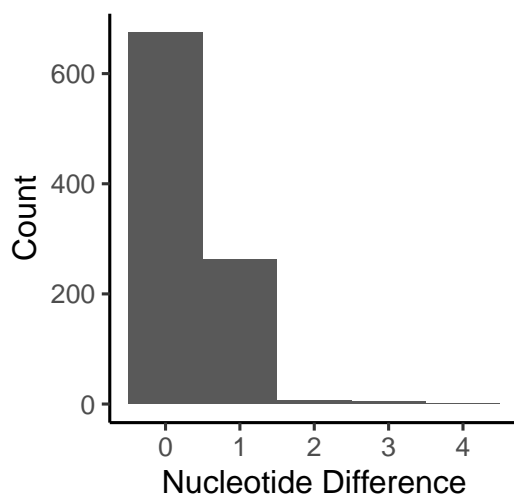
TRBV29-1*ap01

4121 sequences assigned
4016 (97.5%) exact matches, in which:
3942 unique CDR3
13 unique J



TRBV7-8*ap03

949 sequences assigned
675 (71.1%) exact matches, in which:
670 unique CDR3
13 unique J



TRBV29-1*ap02

872 sequences assigned
859 (98.5%) exact matches, in which:
841 unique CDR3
13 unique J

