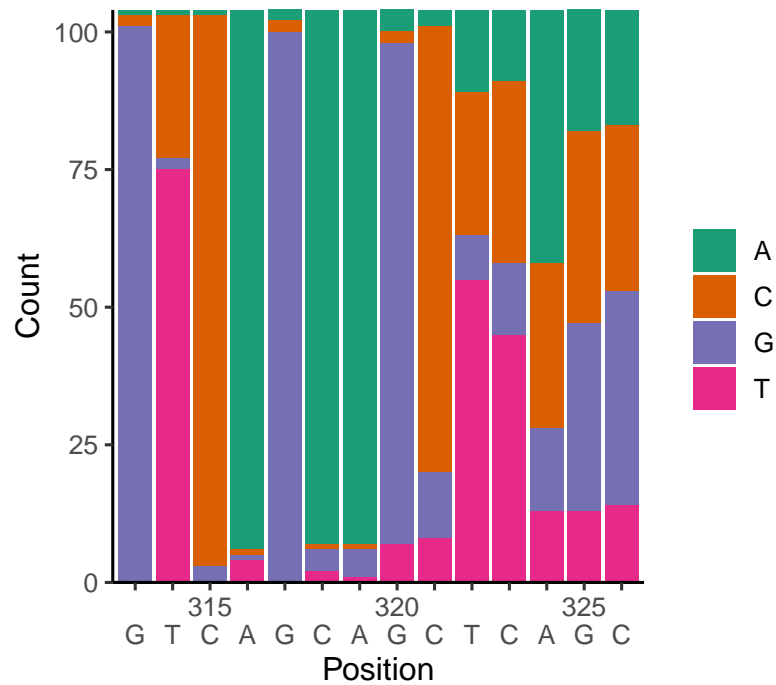
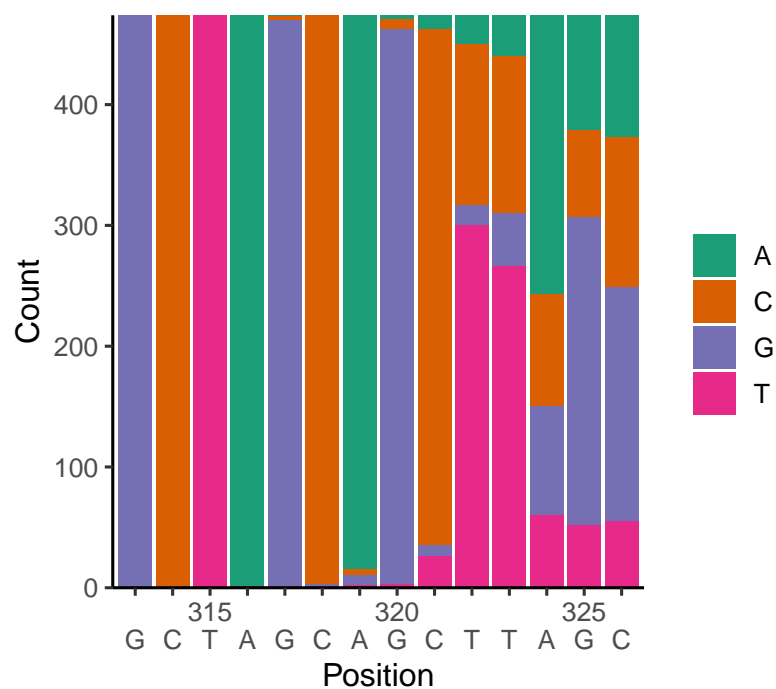


Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-7*ap01_C315T



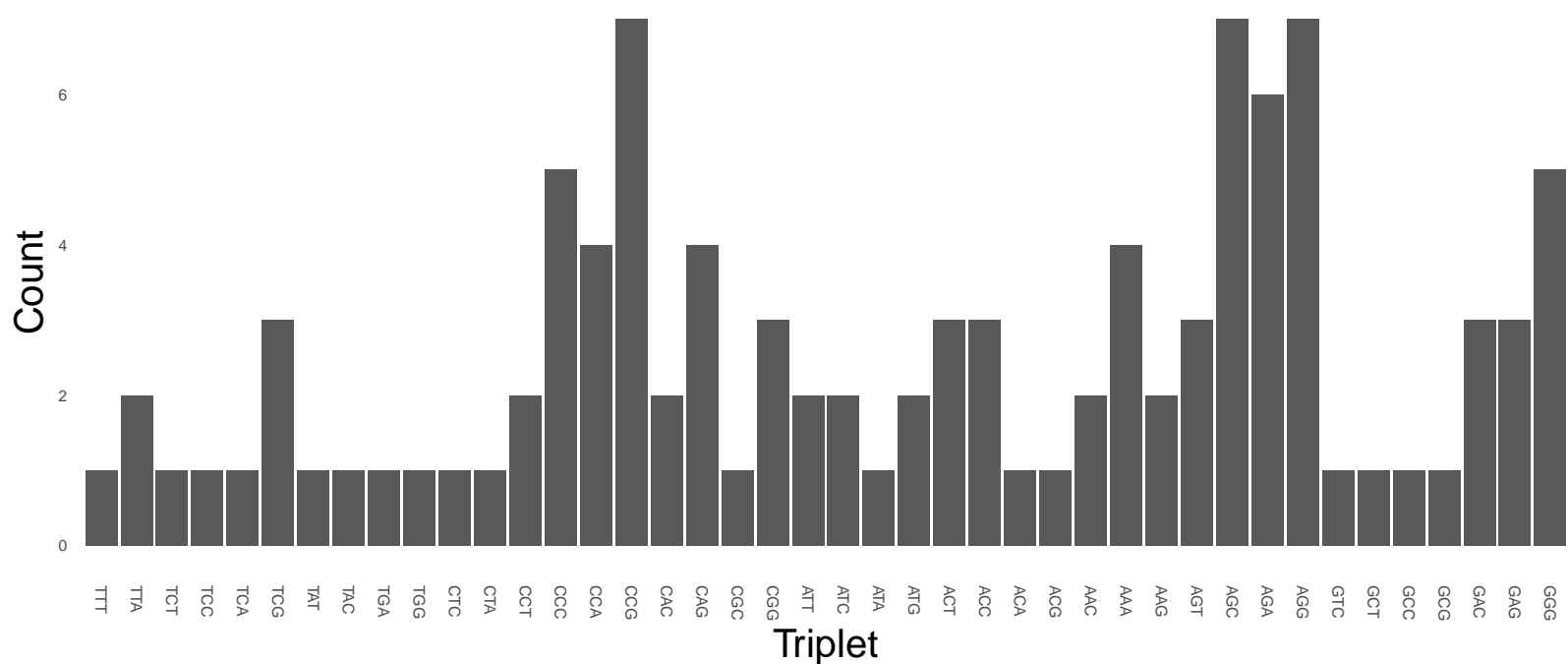
Gene TRBV7-1*ap01_G291C_T296C_C314T



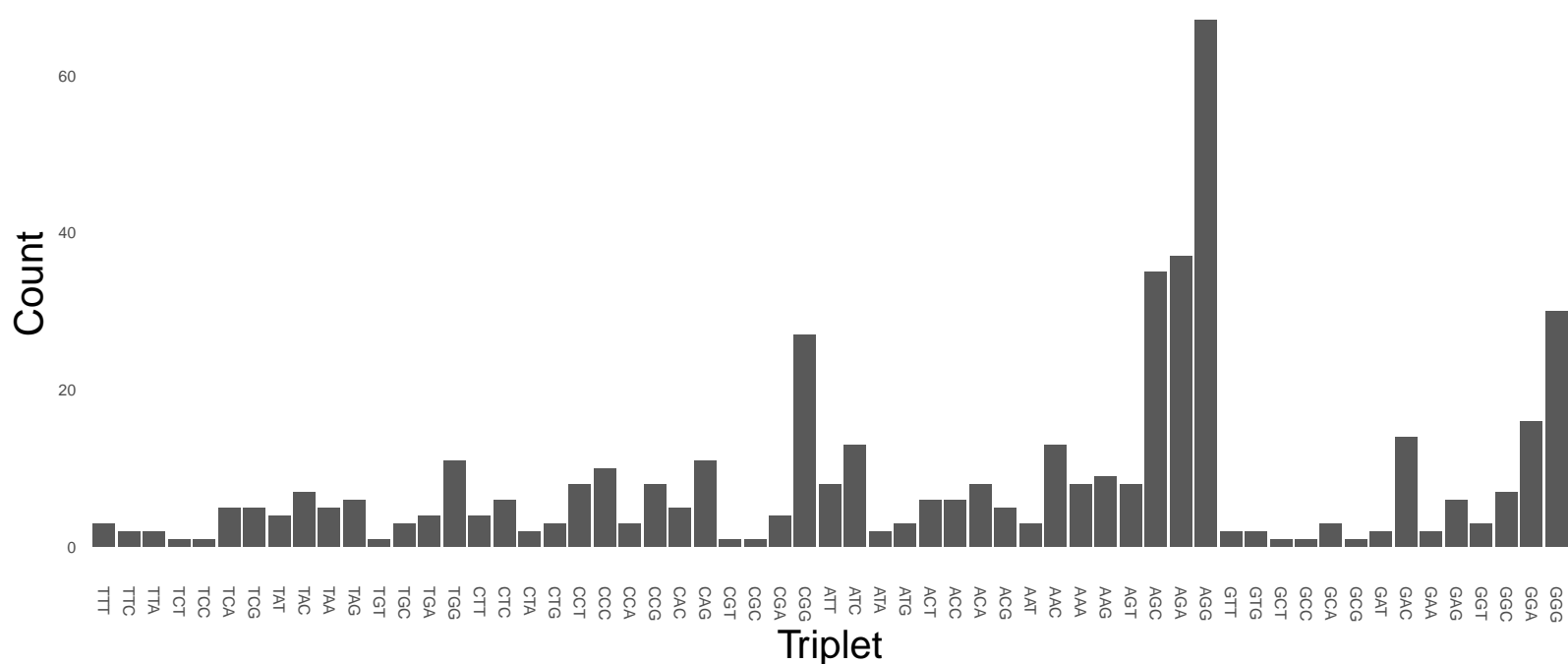
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

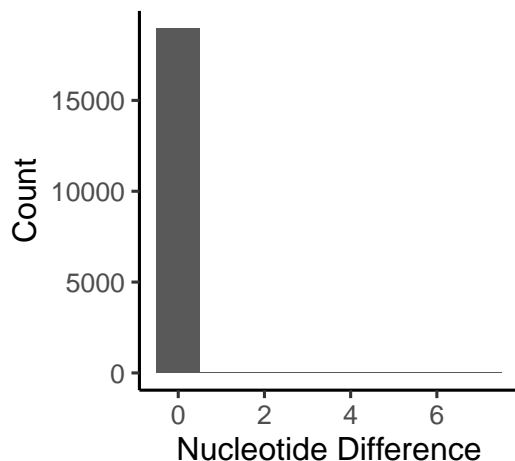


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



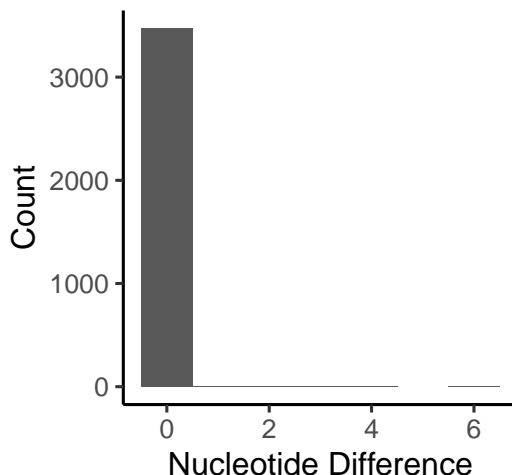
TRBV20-1*ap01

19047 sequences assigned
18977 (99.6%) exact matches, in which:
18962 unique CDR3
13 unique J



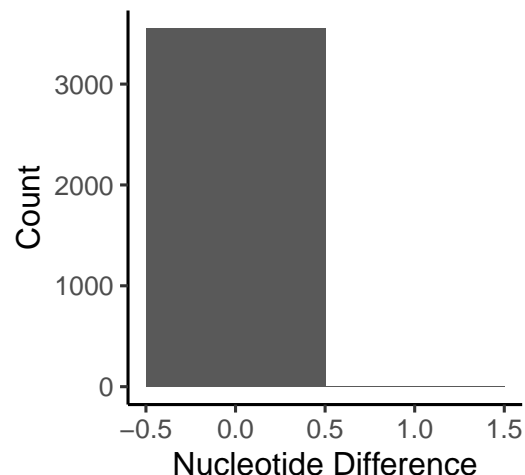
TRBV10-3*ap01

3484 sequences assigned
3472 (99.7%) exact matches, in which:
3469 unique CDR3
13 unique J



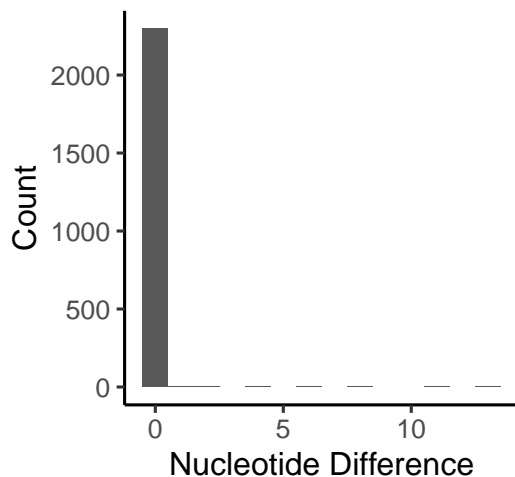
TRBV14*ap01

3555 sequences assigned
3552 (99.9%) exact matches, in which:
3552 unique CDR3
13 unique J



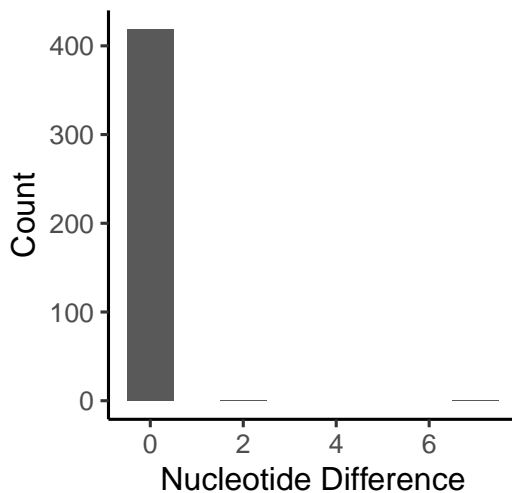
TRBV10-1*ap01

2306 sequences assigned
2297 (99.6%) exact matches, in which:
2297 unique CDR3
13 unique J



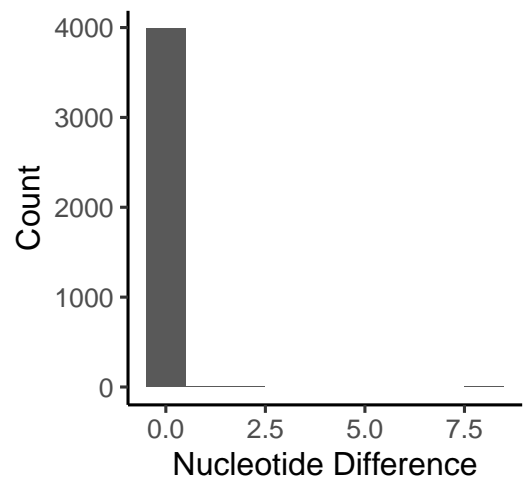
TRBV1*ap01

421 sequences assigned
419 (99.5%) exact matches, in which:
419 unique CDR3
13 unique J



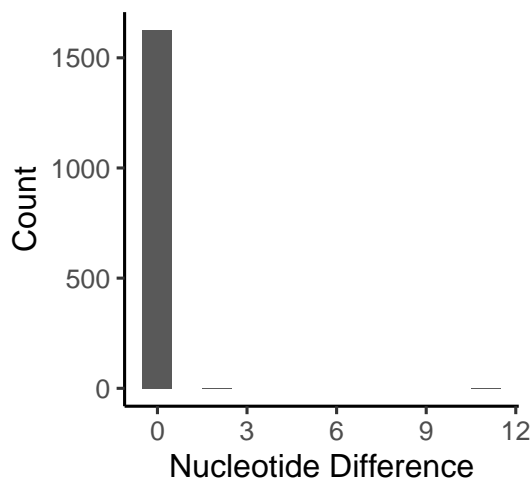
TRBV15*ap02

3996 sequences assigned
3987 (99.8%) exact matches, in which:
3974 unique CDR3
13 unique J



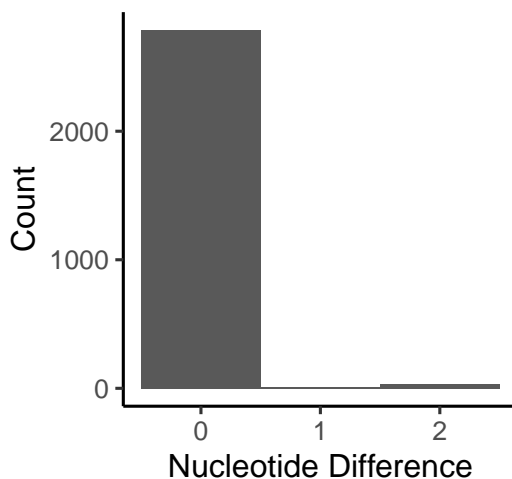
TRBV10-2*ap01

1628 sequences assigned
1626 (99.9%) exact matches, in which:
1626 unique CDR3
13 unique J



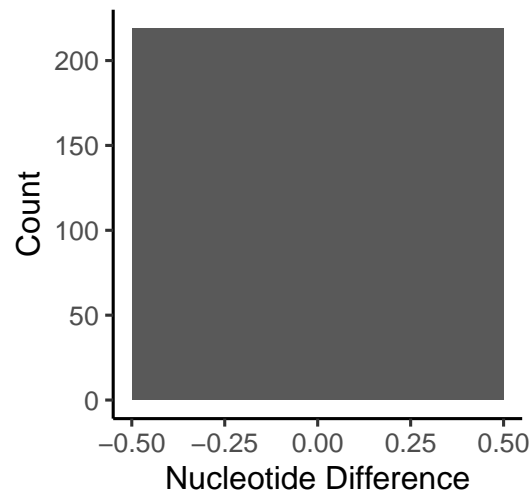
TRBV13*ap01

2829 sequences assigned
2787 (98.5%) exact matches, in which:
2779 unique CDR3
13 unique J



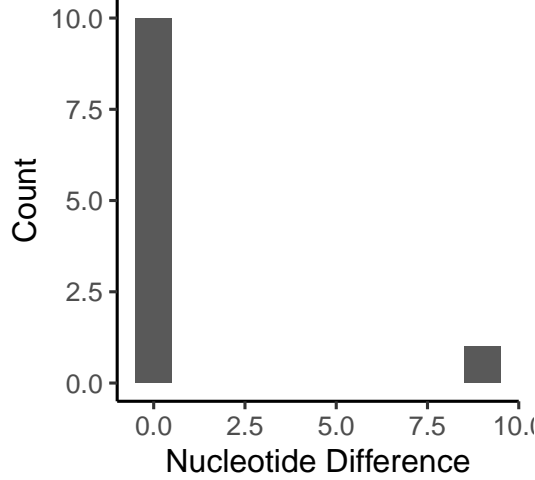
TRBV16*ap01

219 sequences assigned
219 (100%) exact matches, in which:
219 unique CDR3
13 unique J



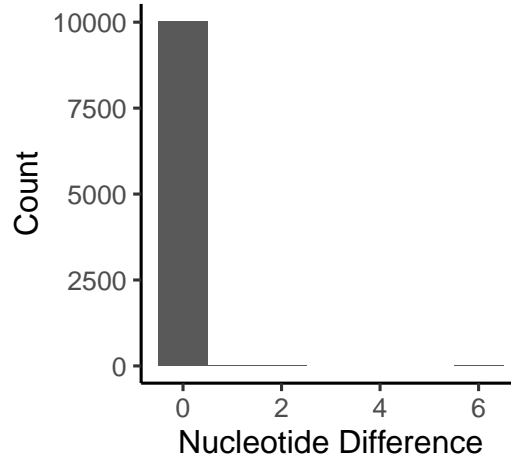
TRBV17*ap01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
6 unique J



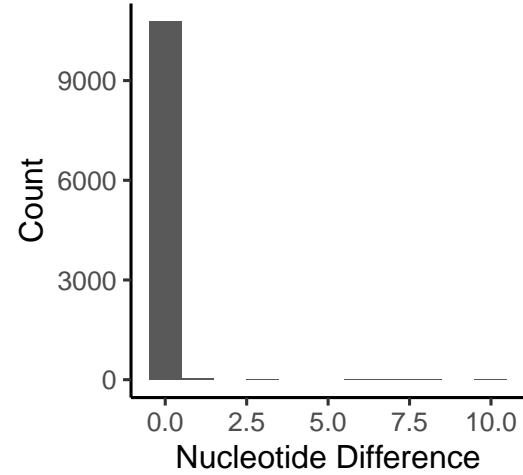
TRBV2*ap01

10063 sequences assigned
10030 (99.7%) exact matches, in which:
10008 unique CDR3
13 unique J



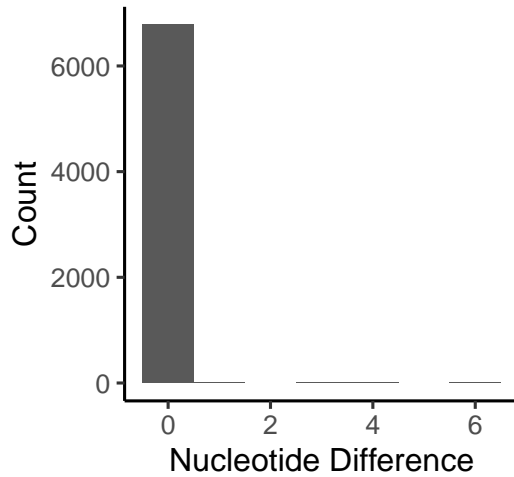
TRBV30*ap01

10846 sequences assigned
10781 (99.4%) exact matches, in which:
10762 unique CDR3
13 unique J



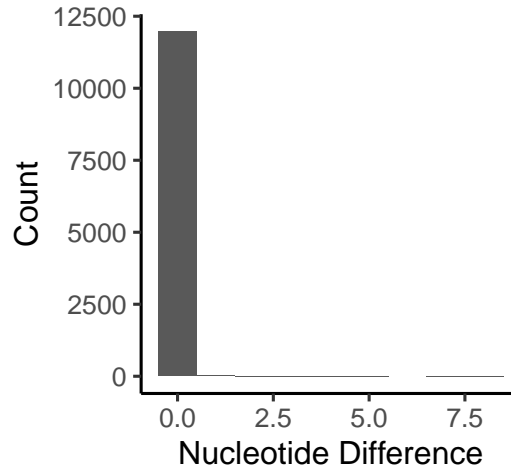
TRBV18*ap01

6793 sequences assigned
6780 (99.8%) exact matches, in which:
6779 unique CDR3
13 unique J



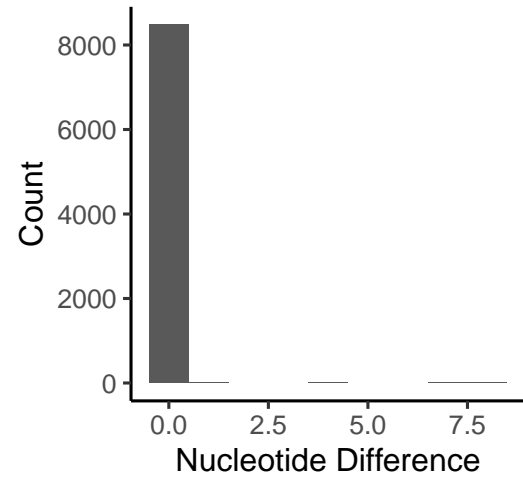
TRBV27*ap01

12020 sequences assigned
11971 (99.6%) exact matches, in which:
11940 unique CDR3
13 unique J



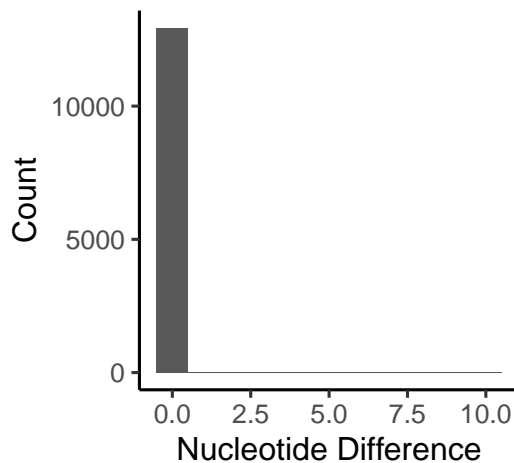
TRBV9*ap01

8495 sequences assigned
8480 (99.8%) exact matches, in which:
8472 unique CDR3
13 unique J



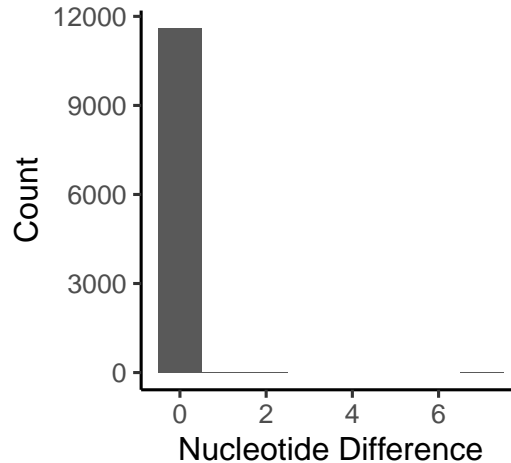
TRBV19*ap01

12990 sequences assigned
12939 (99.6%) exact matches, in which:
12939 unique CDR3
13 unique J



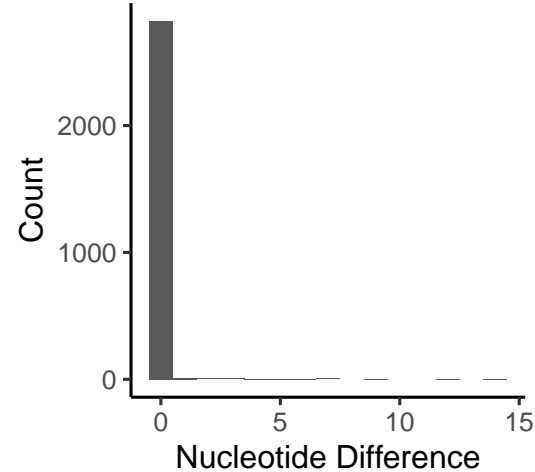
TRBV28*ap01

11639 sequences assigned
11615 (99.8%) exact matches, in which:
11614 unique CDR3
13 unique J



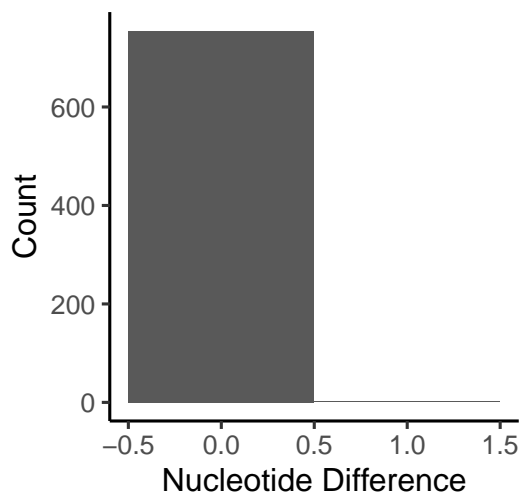
TRBV21-1*ap01

2863 sequences assigned
2824 (98.6%) exact matches, in which:
2824 unique CDR3
13 unique J



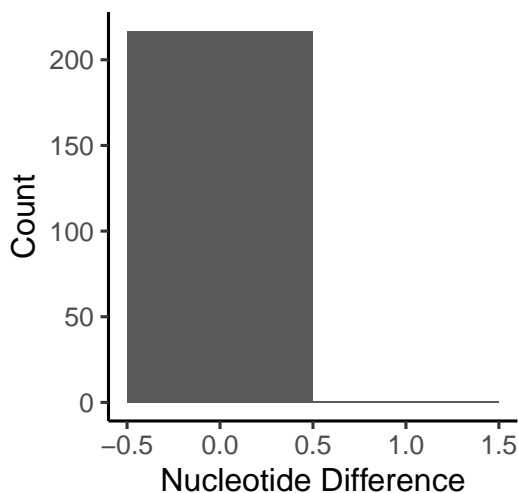
TRBV11-1*ap01

757 sequences assigned
755 (99.7%) exact matches, in which:
755 unique CDR3
13 unique J



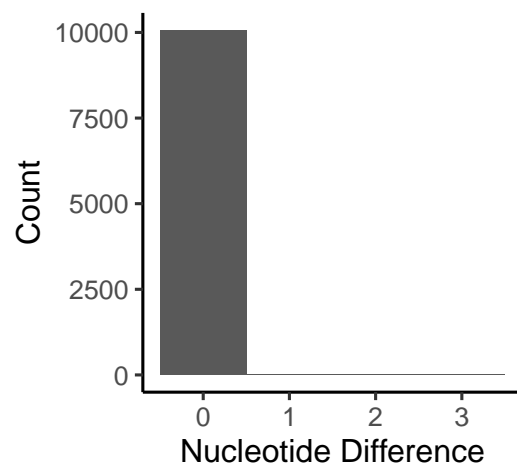
TRBV12-1*ap01

218 sequences assigned
217 (99.5%) exact matches, in which:
217 unique CDR3
13 unique J



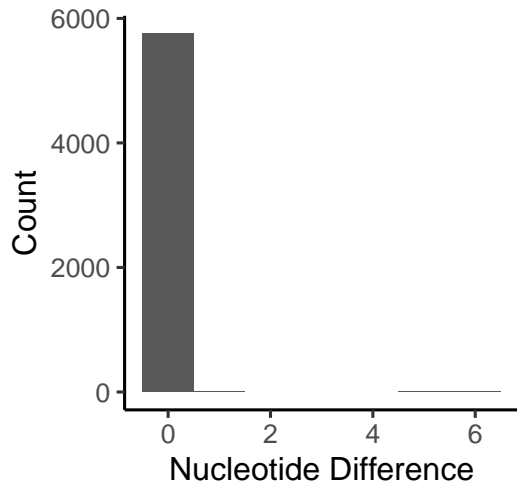
TRBV12-34*ap01

10096 sequences assigned
10067 (99.7%) exact matches, in which:
10061 unique CDR3
13 unique J



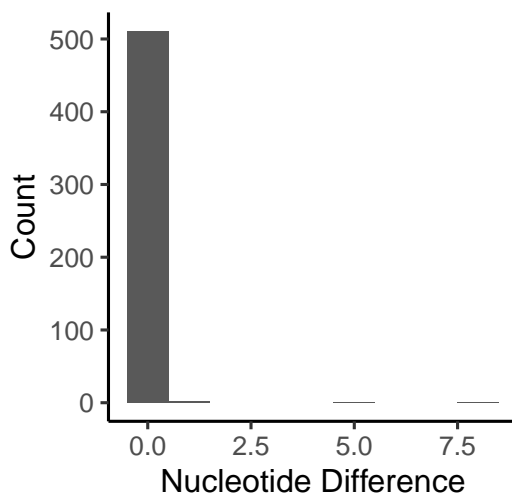
TRBV11-2*ap01

5765 sequences assigned
5754 (99.8%) exact matches, in which:
5751 unique CDR3
13 unique J



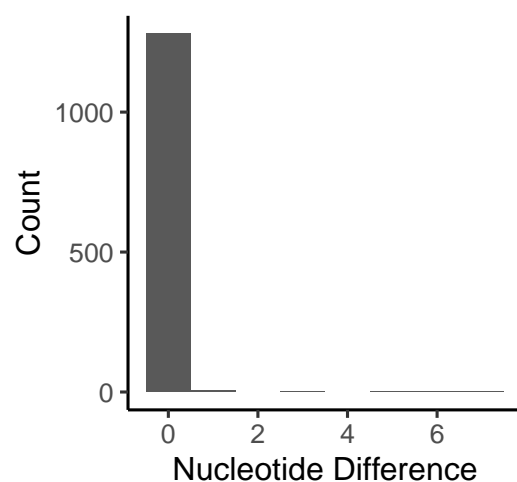
TRBV12-2*ap01

515 sequences assigned
511 (99.2%) exact matches, in which:
511 unique CDR3
13 unique J



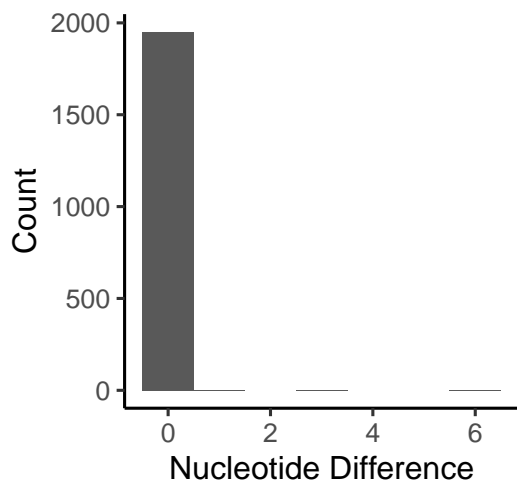
TRBV23-1*ap01

1291 sequences assigned
1280 (99.1%) exact matches, in which:
1280 unique CDR3
13 unique J



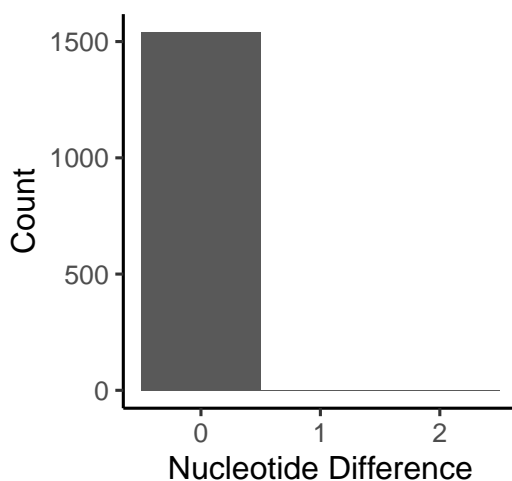
TRBV11-3*ap01

1954 sequences assigned
1950 (99.8%) exact matches, in which:
1950 unique CDR3
13 unique J



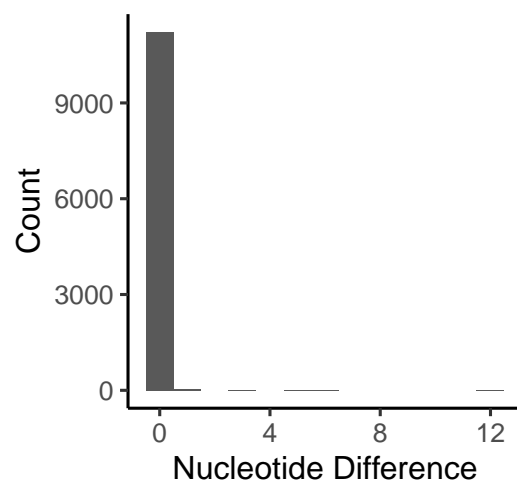
TRBV12-5*ap01

1544 sequences assigned
1541 (99.8%) exact matches, in which:
1540 unique CDR3
13 unique J



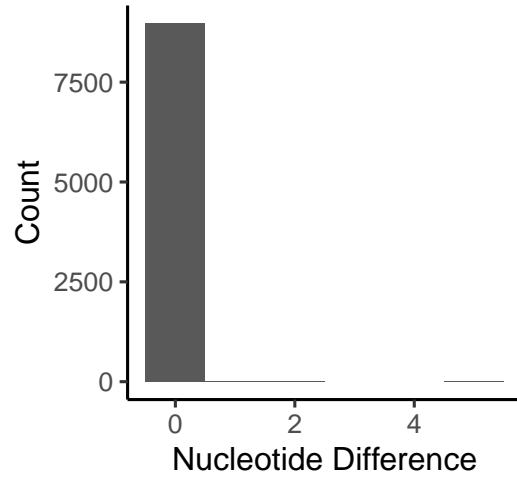
TRBV3-12*ap01

11269 sequences assigned
11220 (99.6%) exact matches, in which:
11200 unique CDR3
13 unique J



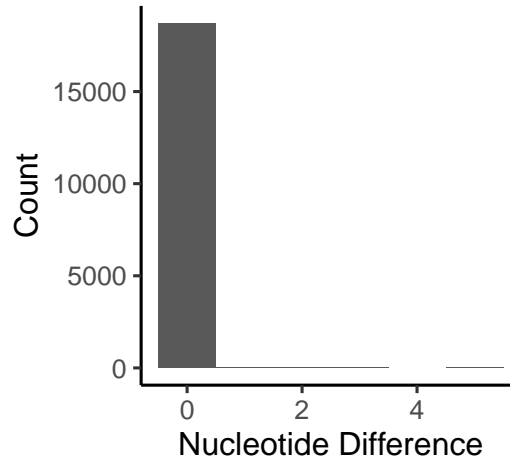
TRBV4-1*ap01

8984 sequences assigned
8971 (99.9%) exact matches, in which:
8959 unique CDR3
13 unique J



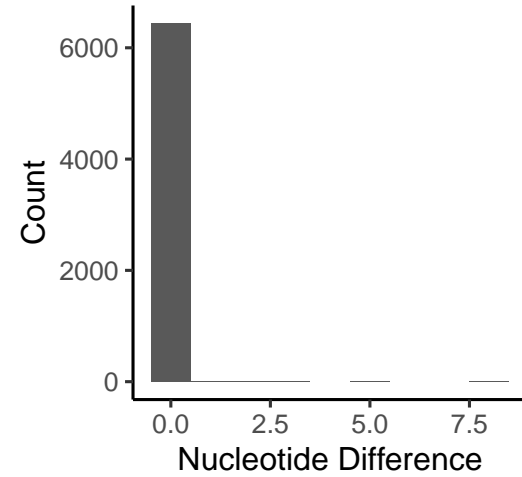
TRBV5-1*ap01

18750 sequences assigned
18712 (99.8%) exact matches, in which:
18669 unique CDR3
13 unique J



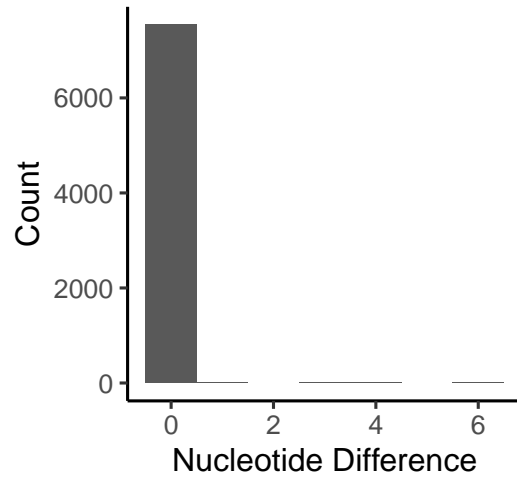
TRBV5-4*ap01

6457 sequences assigned
6438 (99.7%) exact matches, in which:
6437 unique CDR3
13 unique J



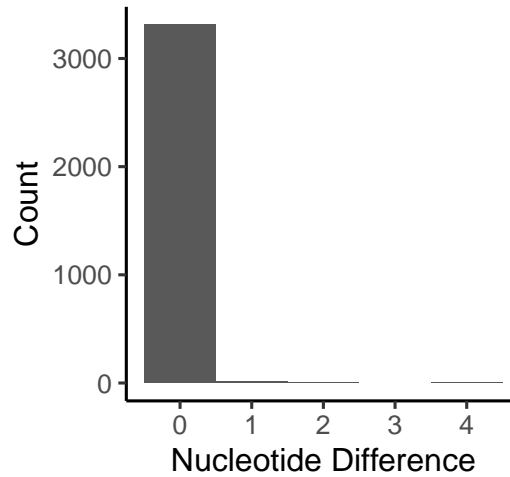
TRBV24-1*ap01

7566 sequences assigned
7540 (99.7%) exact matches, in which:
7527 unique CDR3
13 unique J



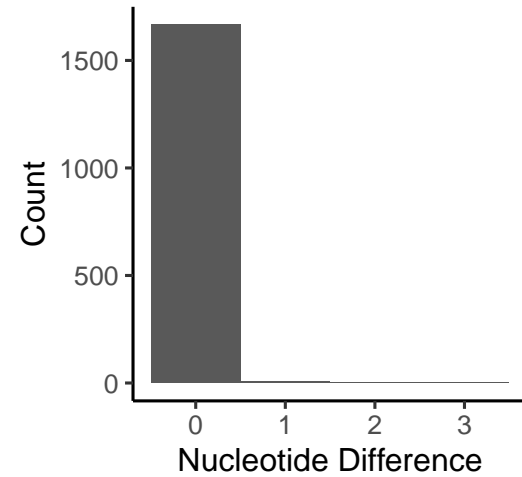
TRBV25-1*ap01

3330 sequences assigned
3312 (99.5%) exact matches, in which:
3302 unique CDR3
13 unique J



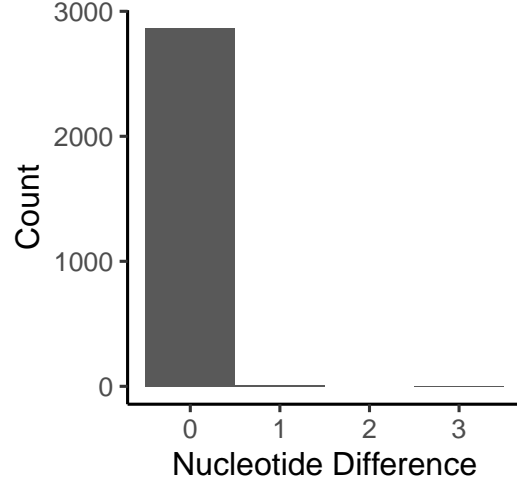
TRBV5-5*ap01

1674 sequences assigned
1666 (99.5%) exact matches, in which:
1662 unique CDR3
13 unique J



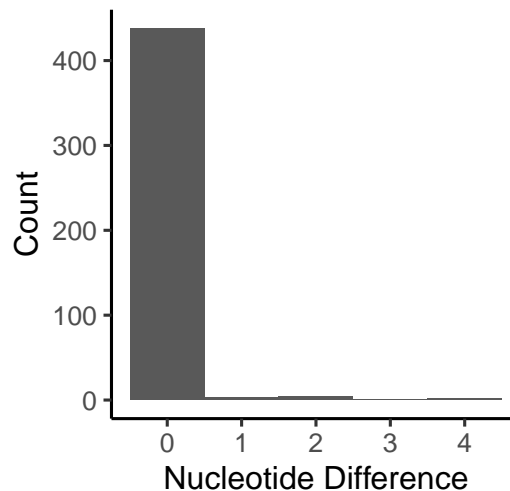
TRBV4-2*ap01

2876 sequences assigned
2866 (99.7%) exact matches, in which:
2863 unique CDR3
13 unique J



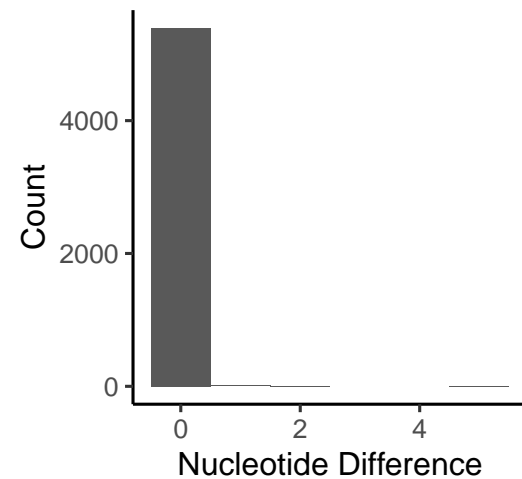
TRBV5-3*ap01

448 sequences assigned
438 (97.8%) exact matches, in which:
438 unique CDR3
13 unique J



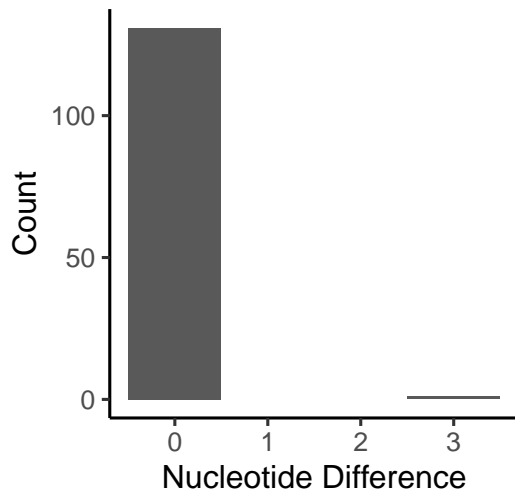
TRBV5-6*ap01

5409 sequences assigned
5394 (99.7%) exact matches, in which:
5379 unique CDR3
13 unique J



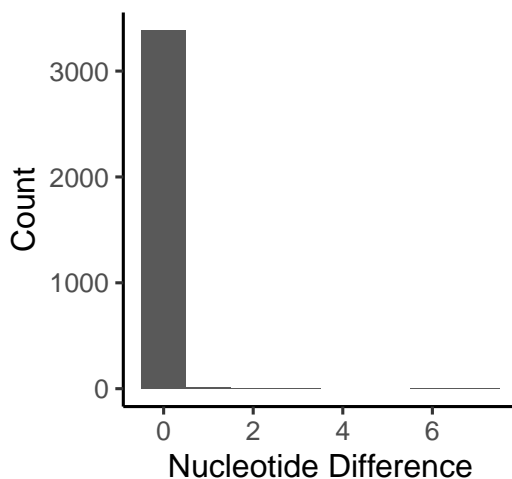
TRBV5-7*ap01

132 sequences assigned
131 (99.2%) exact matches, in which:
131 unique CDR3
12 unique J



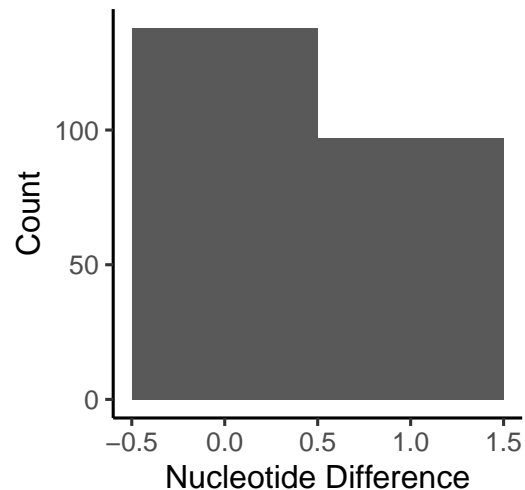
TRBV6-4*ap01

3404 sequences assigned
3384 (99.4%) exact matches, in which:
3383 unique CDR3
13 unique J



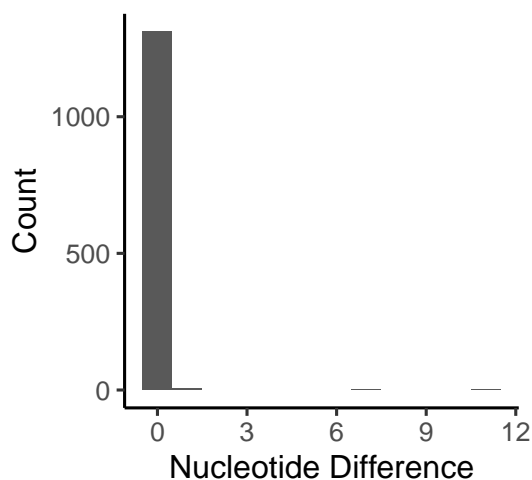
TRBV6-9*ap01

235 sequences assigned
138 (58.7%) exact matches, in which:
138 unique CDR3
13 unique J



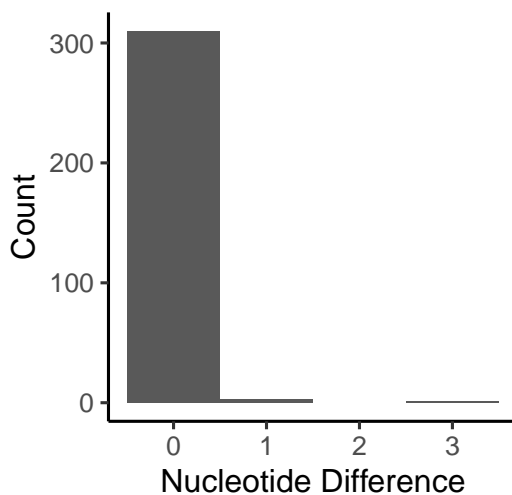
TRBV5-8*ap01

1317 sequences assigned
1311 (99.5%) exact matches, in which:
1311 unique CDR3
13 unique J



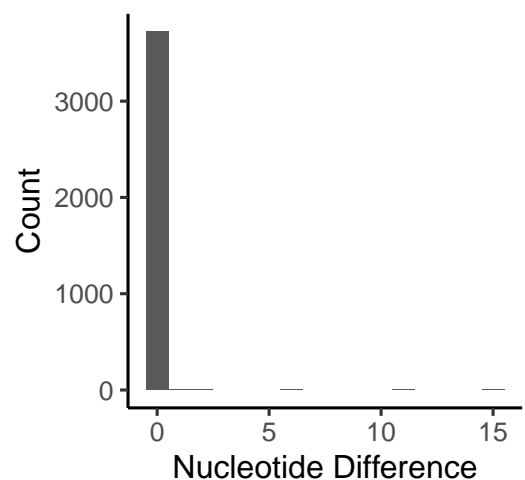
TRBV6-7*ap01

314 sequences assigned
310 (98.7%) exact matches, in which:
310 unique CDR3
13 unique J



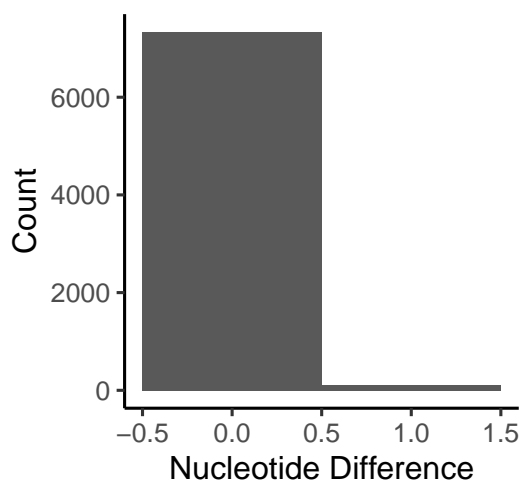
TRBV6-23*ap01

3728 sequences assigned
3721 (99.8%) exact matches, in which:
3717 unique CDR3
13 unique J



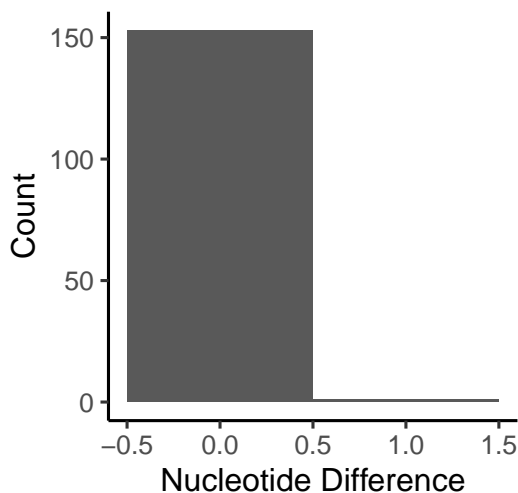
TRBV6-1*ap01

7443 sequences assigned
7334 (98.5%) exact matches, in which:
7328 unique CDR3
13 unique J



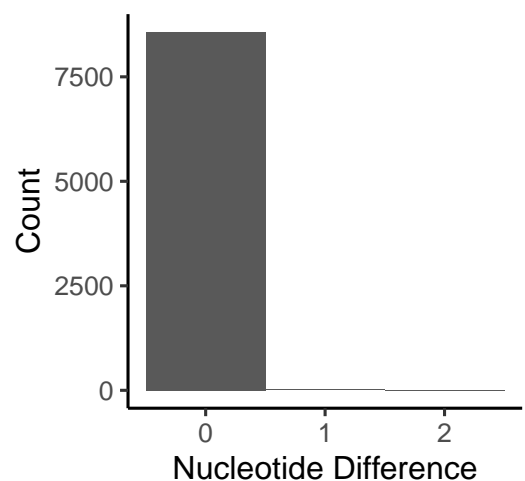
TRBV6-8*ap01

154 sequences assigned
153 (99.4%) exact matches, in which:
153 unique CDR3
12 unique J



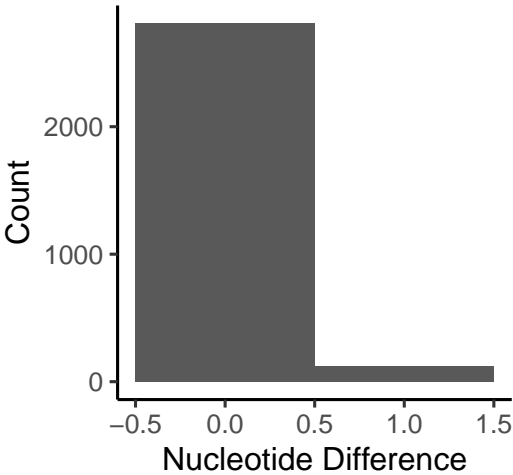
TRBV6-56*ap01

8592 sequences assigned
8571 (99.8%) exact matches, in which:
8560 unique CDR3
13 unique J



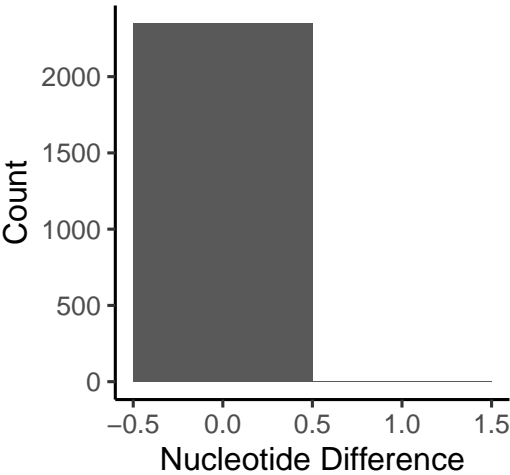
TRBV6-56*ap02

2931 sequences assigned
2810 (95.9%) exact matches, in which:
2806 unique CDR3
13 unique J



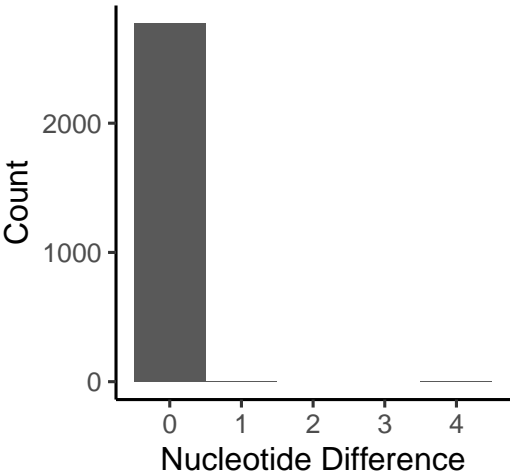
TRBV7-3*ap01

2355 sequences assigned
2349 (99.7%) exact matches, in which:
2345 unique CDR3
13 unique J



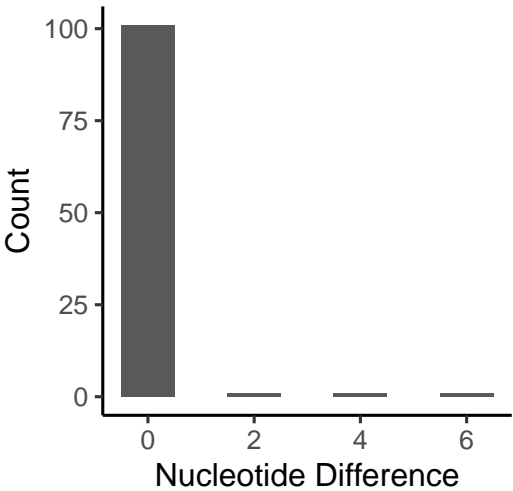
TRBV7-6*ap01

2780 sequences assigned
2772 (99.7%) exact matches, in which:
2771 unique CDR3
13 unique J



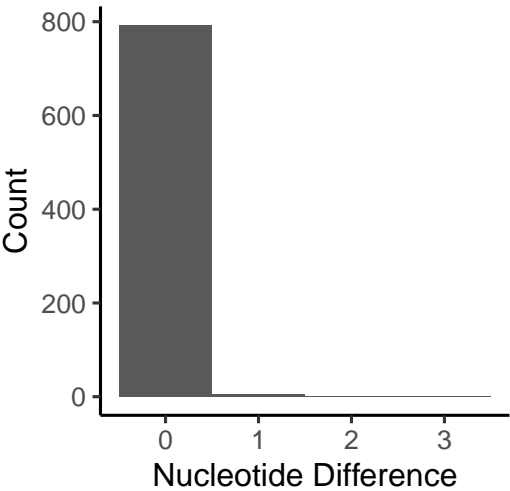
TRBV7-1*ap01_G291C_

104 sequences assigned
101 (97.1%) exact matches, in which:
101 unique CDR3
11 unique J



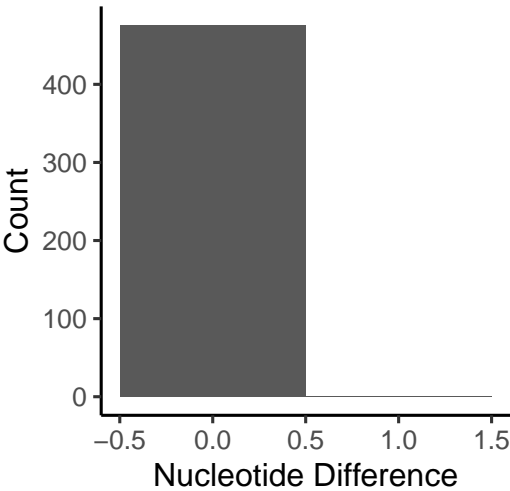
TRBV7-3*ap03

801 sequences assigned
793 (99%) exact matches, in which:
793 unique CDR3
12 unique J



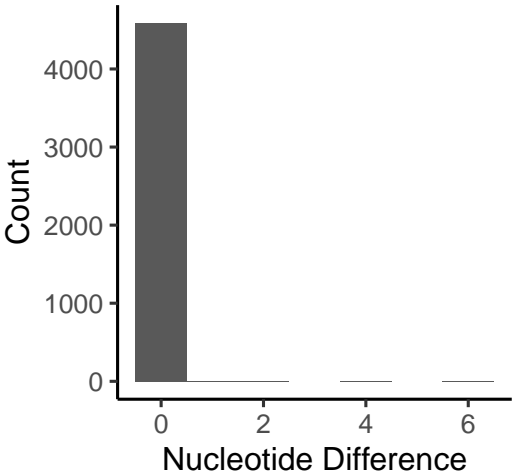
TRBV7-7*ap01

477 sequences assigned
476 (99.8%) exact matches, in which:
476 unique CDR3
13 unique J



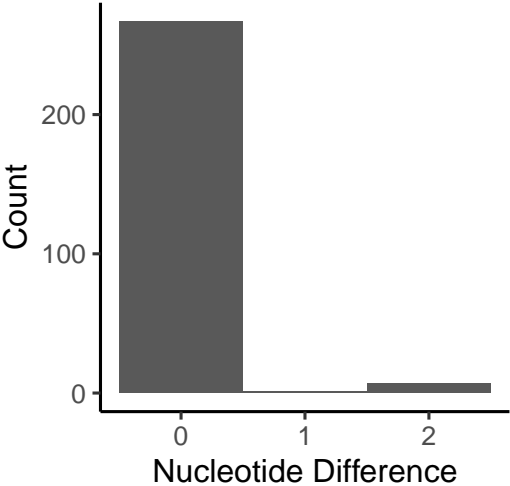
TRBV7-2*ap01

4596 sequences assigned
4588 (99.8%) exact matches, in which:
4586 unique CDR3
13 unique J



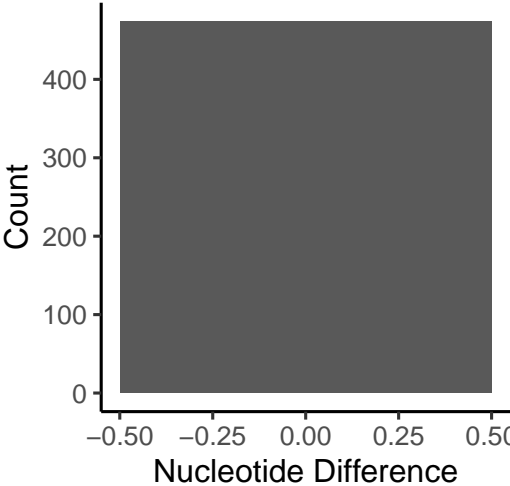
TRBV7-4*ap01

275 sequences assigned
267 (97.1%) exact matches, in which:
267 unique CDR3
13 unique J



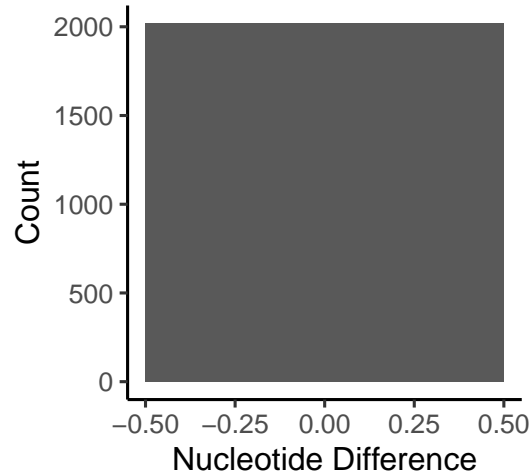
TRBV7-7*ap01_C315T

474 sequences assigned
474 (100%) exact matches, in which:
474 unique CDR3
13 unique J



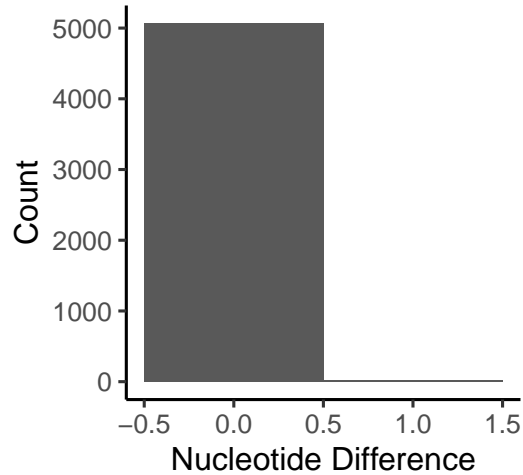
TRBV7-8*ap01

2019 sequences assigned
2019 (100%) exact matches, in which:
2019 unique CDR3
13 unique J



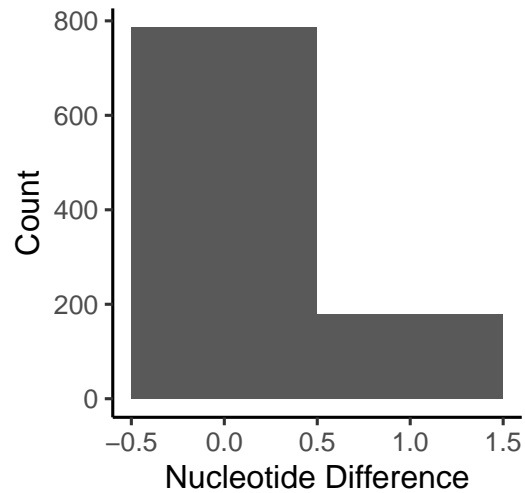
TRBV29-1*ap01

5086 sequences assigned
5066 (99.6%) exact matches, in which:
5049 unique CDR3
13 unique J



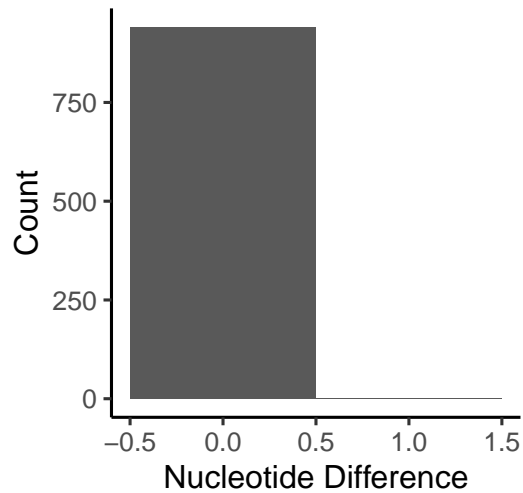
TRBV7-8*ap03

965 sequences assigned
787 (81.6%) exact matches, in which:
787 unique CDR3
13 unique J



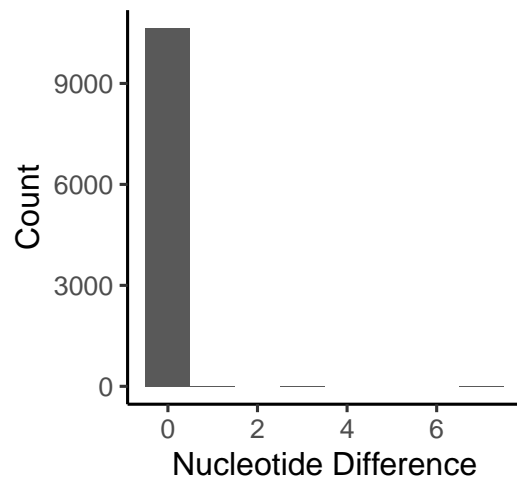
TRBV29-1*ap02

943 sequences assigned
941 (99.8%) exact matches, in which:
938 unique CDR3
13 unique J

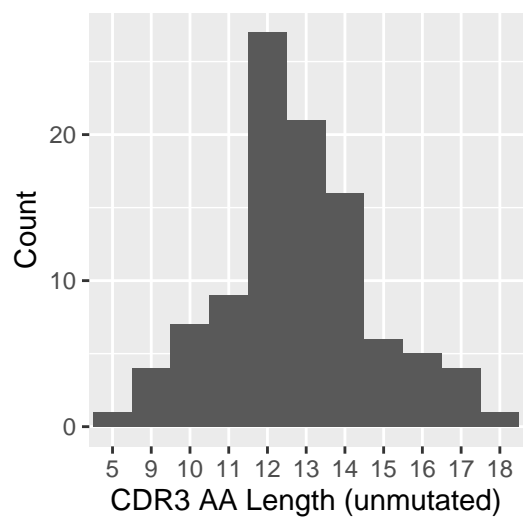


TRBV7-9*ap01

10662 sequences assigned
10646 (99.8%) exact matches, in which:
10644 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

