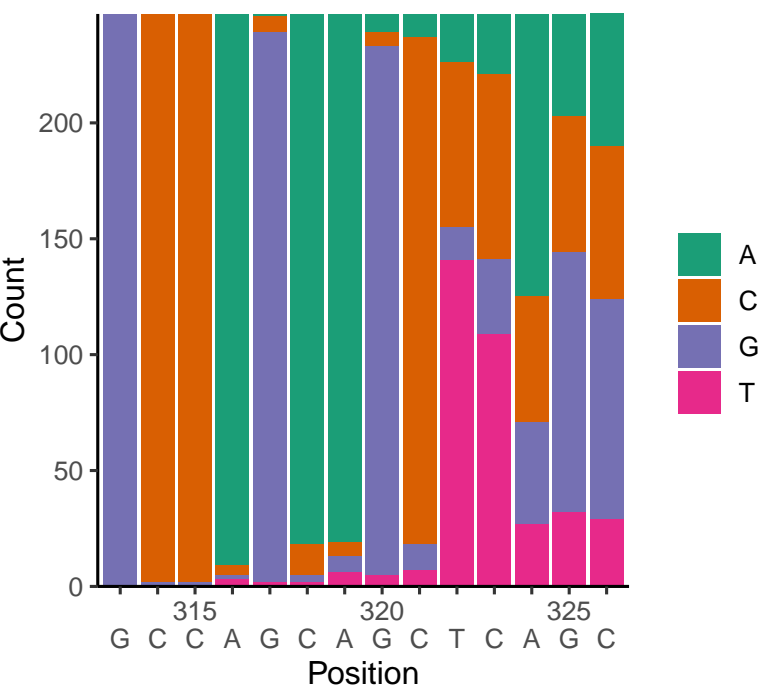
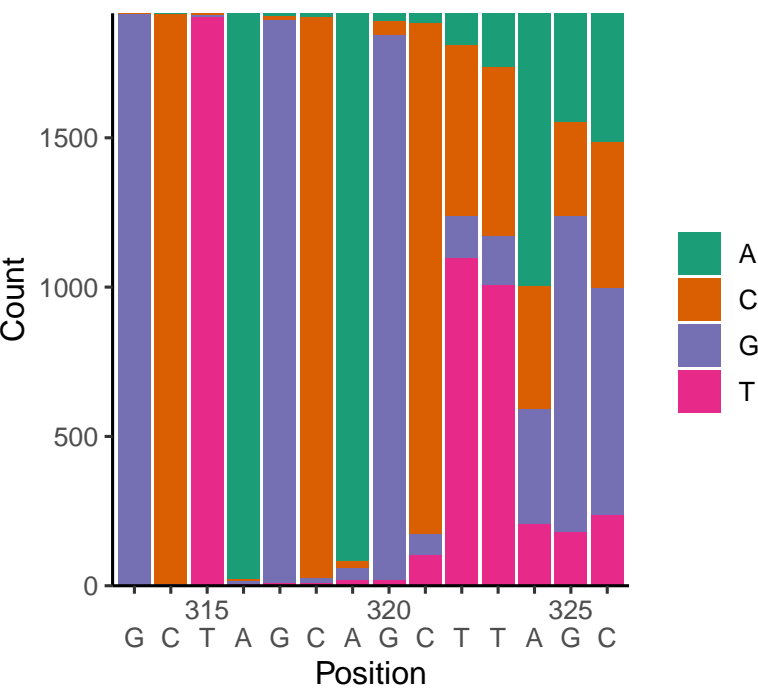


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



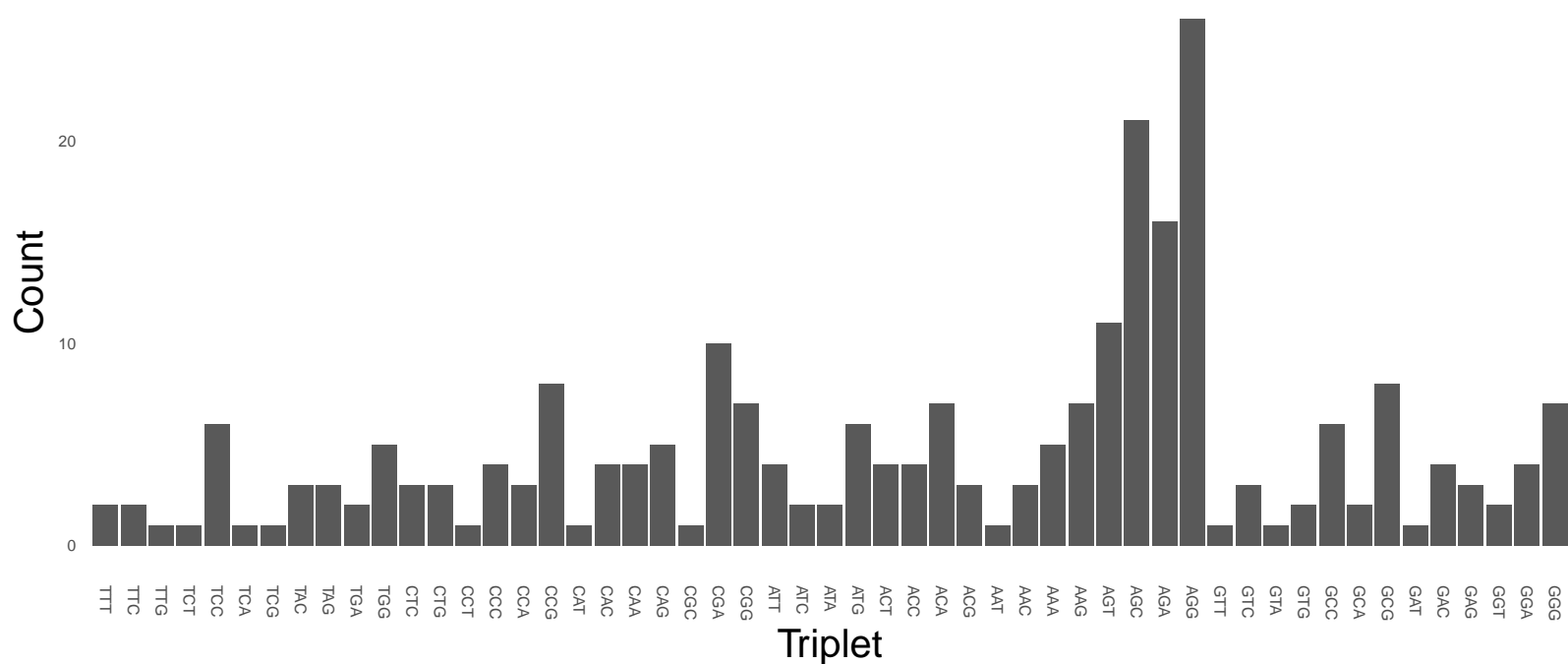
Gene TRBV7-1*ap01_G291C_T296C



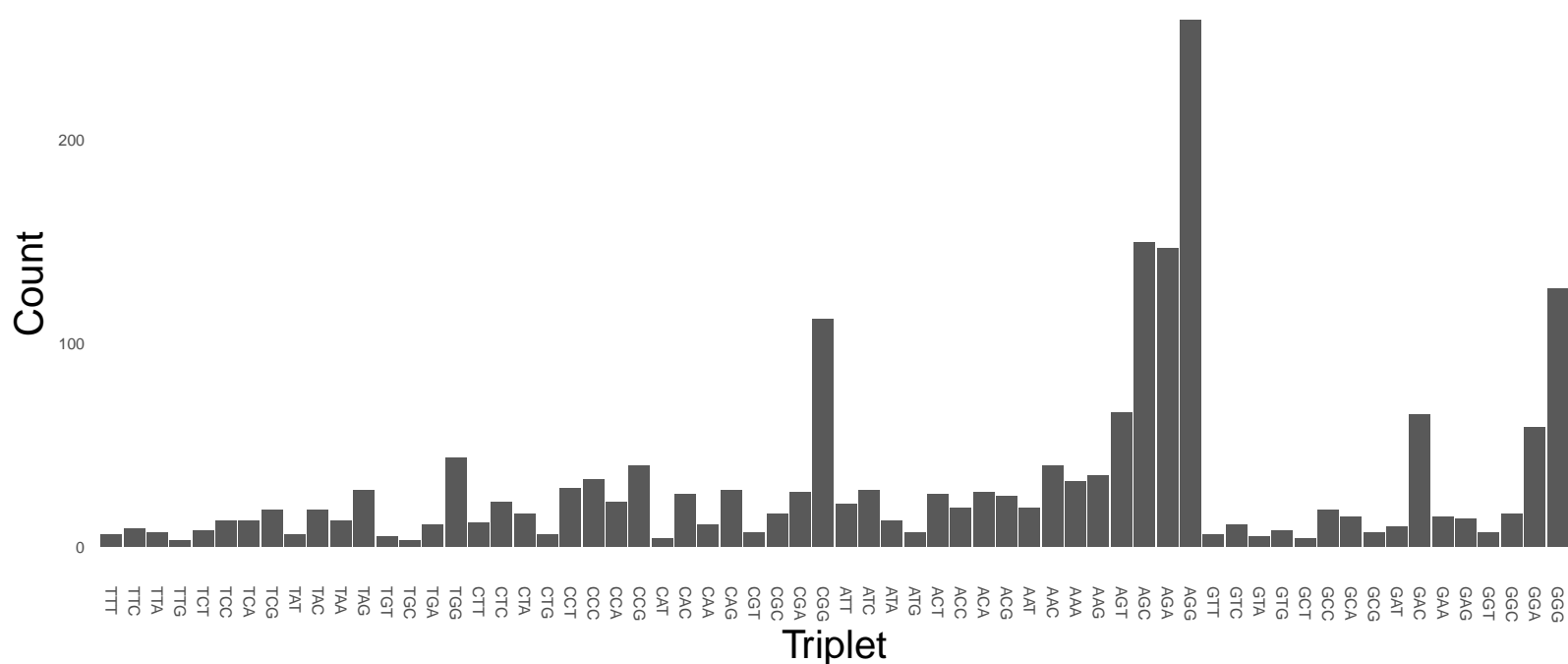
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

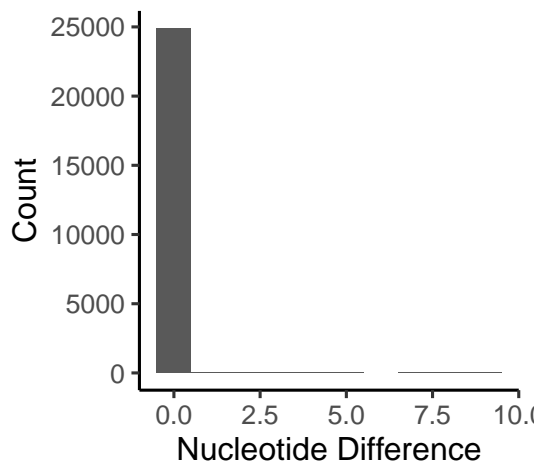


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



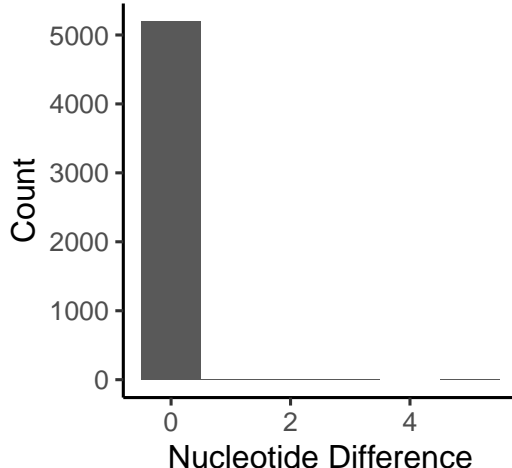
TRBV20-1*ap01

25015 sequences assigned
24909 (99.6%) exact matches, in which:
24884 unique CDR3
13 unique J



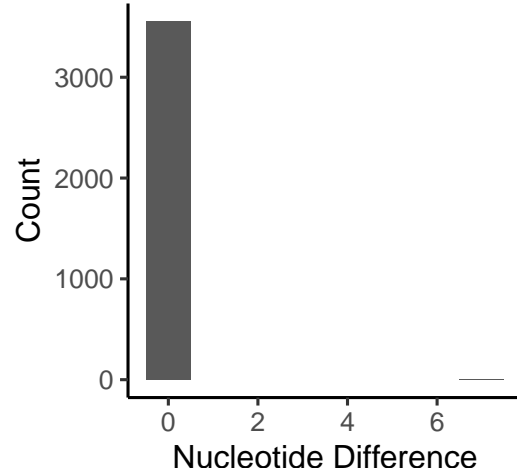
TRBV10-3*ap01

5207 sequences assigned
5197 (99.8%) exact matches, in which:
5196 unique CDR3
13 unique J



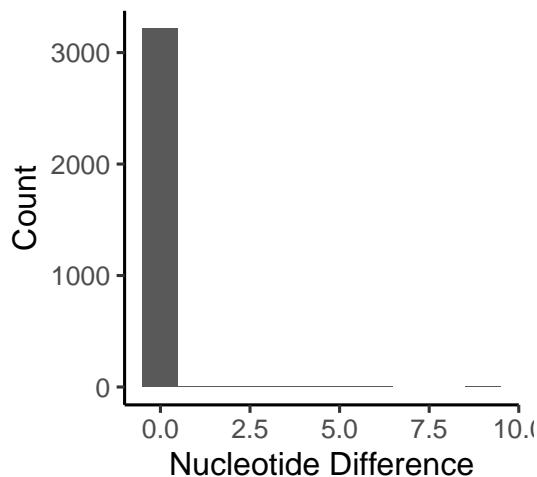
TRBV14*ap01

3556 sequences assigned
3554 (99.9%) exact matches, in which:
3554 unique CDR3
13 unique J



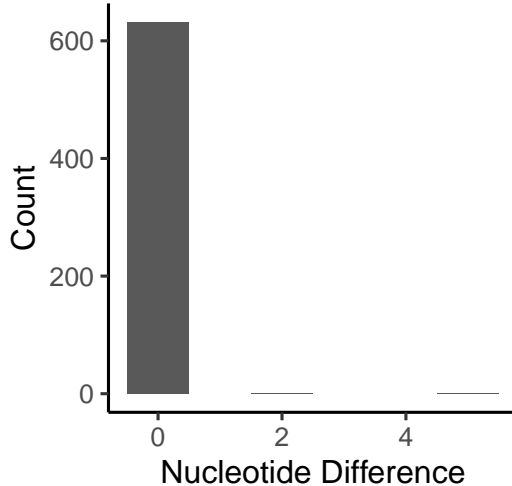
TRBV10-1*ap01

3226 sequences assigned
3214 (99.6%) exact matches, in which:
3214 unique CDR3
13 unique J



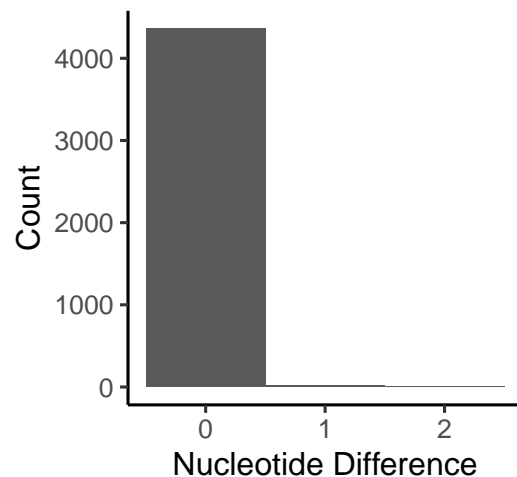
TRBV1*ap01

634 sequences assigned
632 (99.7%) exact matches, in which:
631 unique CDR3
13 unique J



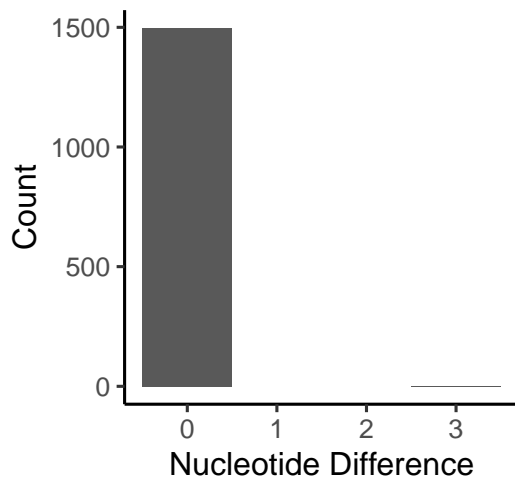
TRBV15*ap02

4375 sequences assigned
4360 (99.7%) exact matches, in which:
4352 unique CDR3
14 unique J



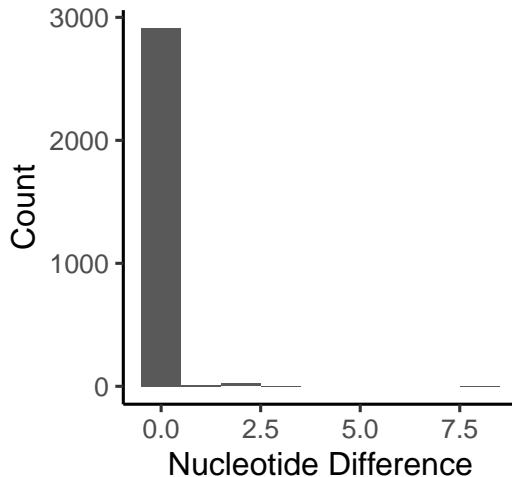
TRBV10-2*ap01

1499 sequences assigned
1497 (99.9%) exact matches, in which:
1497 unique CDR3
13 unique J



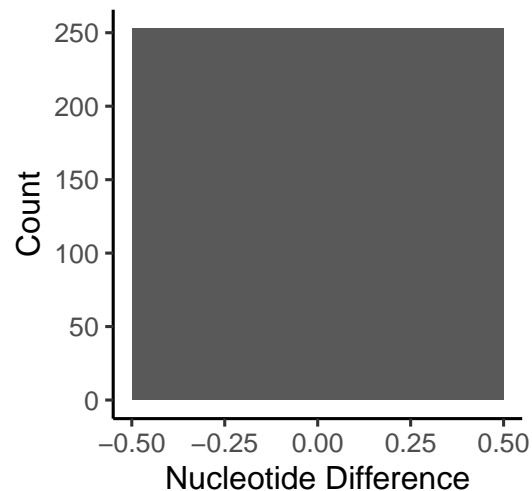
TRBV13*ap01

2949 sequences assigned
2913 (98.8%) exact matches, in which:
2906 unique CDR3
13 unique J



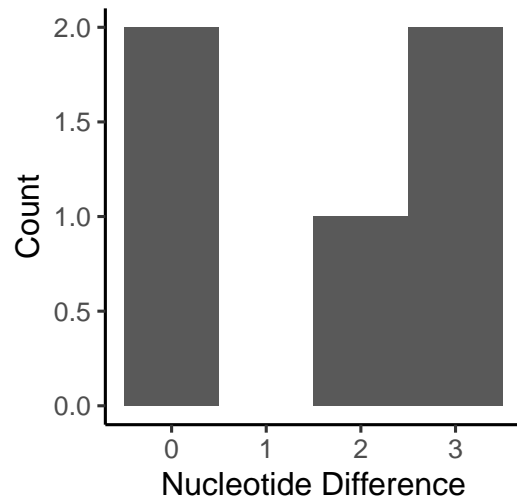
TRBV16*ap01

253 sequences assigned
253 (100%) exact matches, in which:
253 unique CDR3
13 unique J



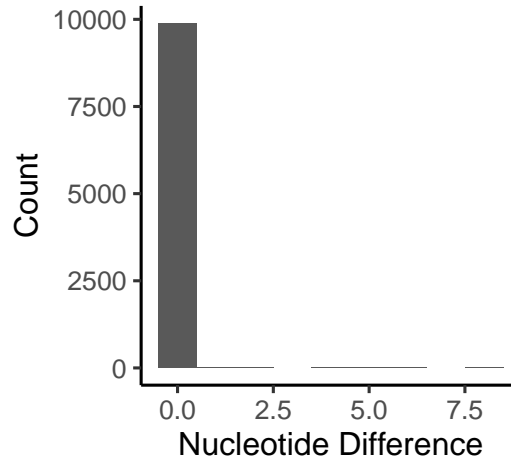
TRBV17*ap01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



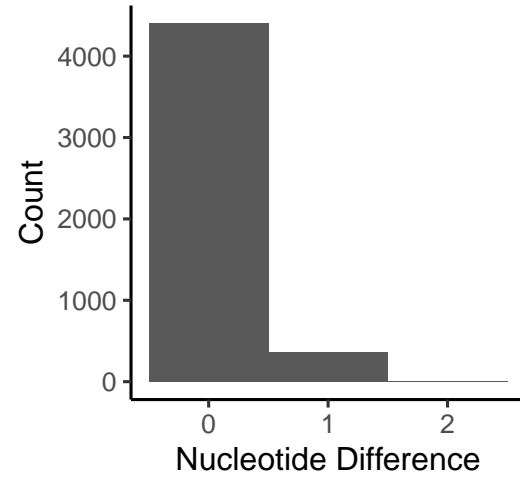
TRBV2*ap01

9925 sequences assigned
9891 (99.7%) exact matches, in which:
9862 unique CDR3
13 unique J



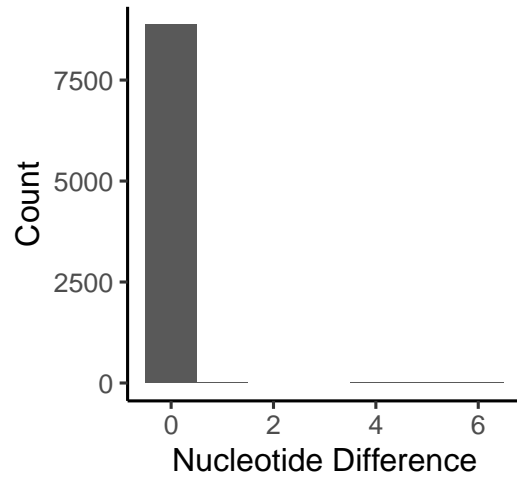
TRBV30*ap01

4770 sequences assigned
4402 (92.3%) exact matches, in which:
4389 unique CDR3
13 unique J



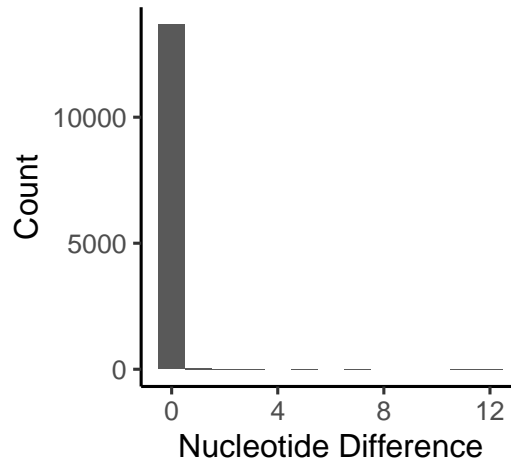
TRBV18*ap01

8884 sequences assigned
8870 (99.8%) exact matches, in which:
8867 unique CDR3
13 unique J



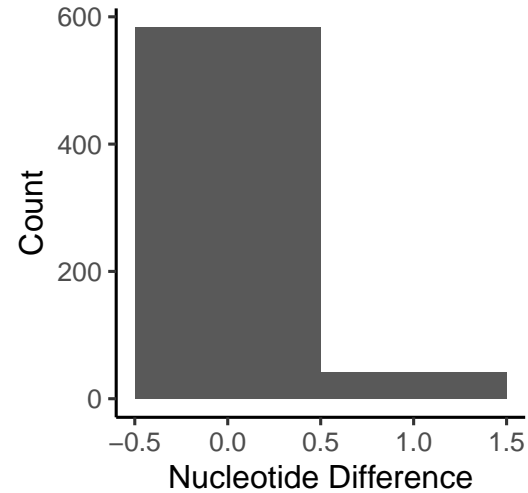
TRBV27*ap01

13733 sequences assigned
13679 (99.6%) exact matches, in which:
13628 unique CDR3
13 unique J



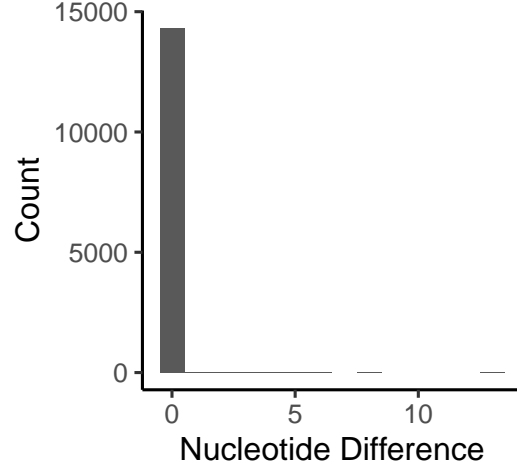
TRBV30*ap03

625 sequences assigned
584 (93.4%) exact matches, in which:
582 unique CDR3
13 unique J



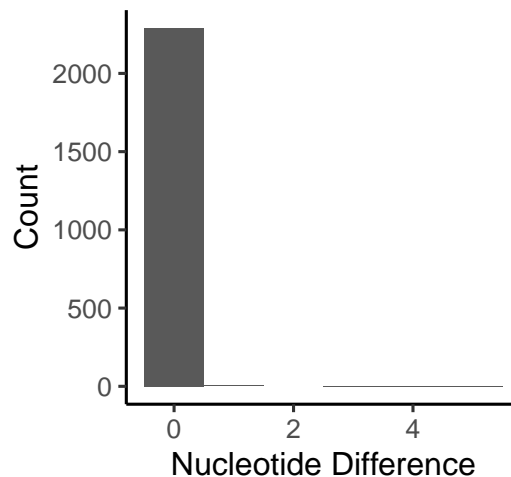
TRBV19*ap01

14374 sequences assigned
14331 (99.7%) exact matches, in which:
14330 unique CDR3
13 unique J



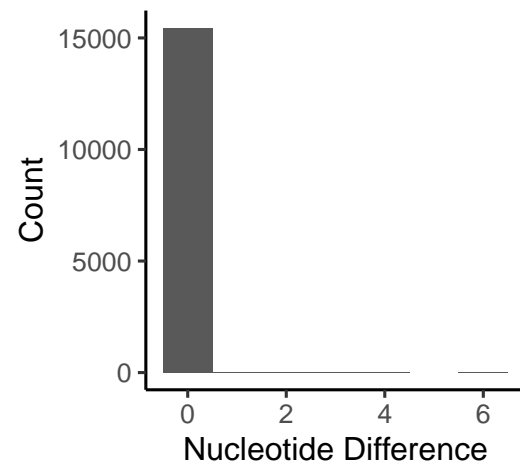
TRBV28*ap01

2298 sequences assigned
2290 (99.7%) exact matches, in which:
2288 unique CDR3
13 unique J



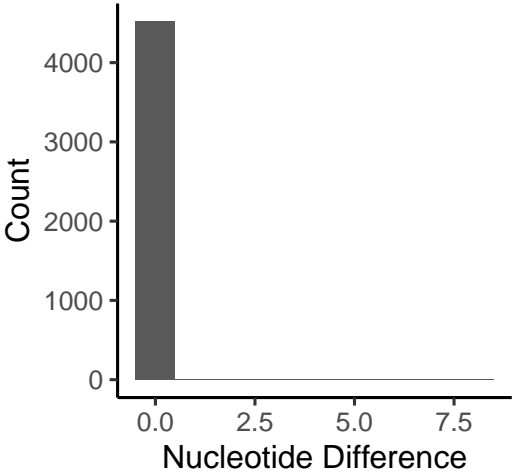
TRBV9*ap01

15484 sequences assigned
15454 (99.8%) exact matches, in which:
15435 unique CDR3
13 unique J



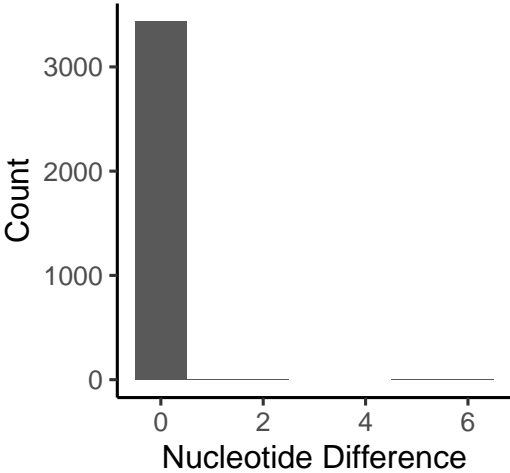
TRBV21-1*ap01

4557 sequences assigned
4520 (99.2%) exact matches, in which:
4520 unique CDR3
13 unique J



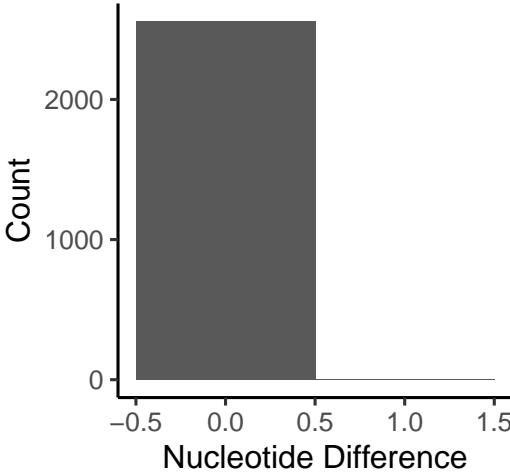
TRBV11-3*ap01

3446 sequences assigned
3436 (99.7%) exact matches, in which:
3435 unique CDR3
13 unique J



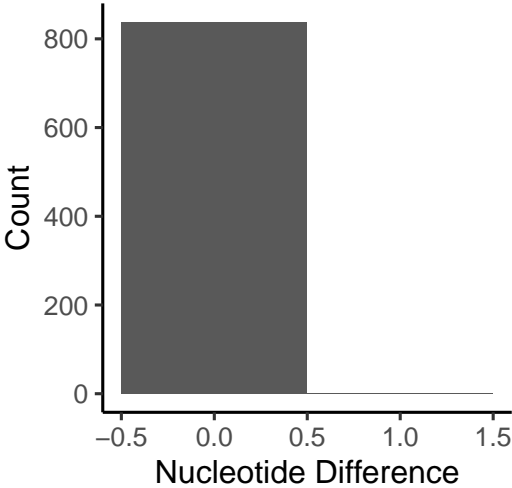
TRBV12-5*ap01

2561 sequences assigned
2557 (99.8%) exact matches, in which:
2556 unique CDR3
13 unique J



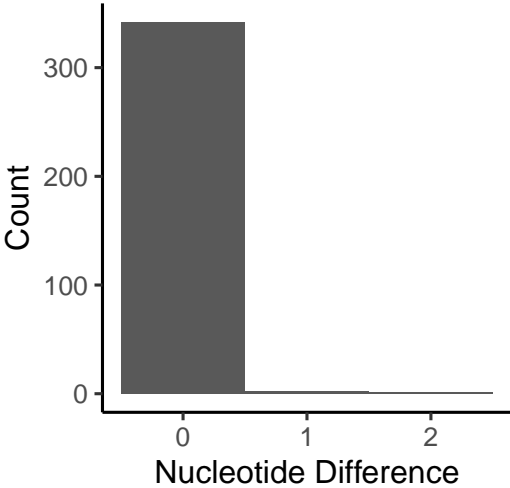
TRBV11-1*ap01

840 sequences assigned
838 (99.8%) exact matches, in which:
838 unique CDR3
13 unique J



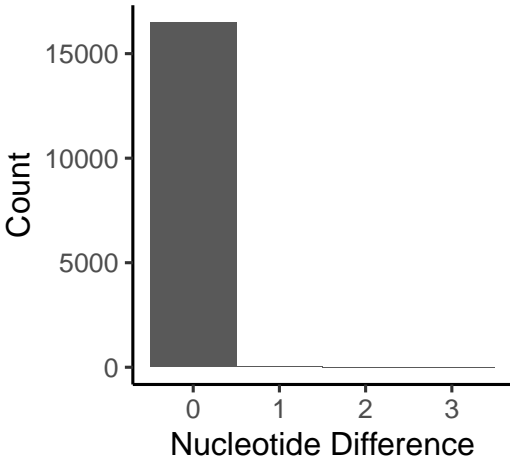
TRBV12-1*ap01

345 sequences assigned
342 (99.1%) exact matches, in which:
342 unique CDR3
13 unique J



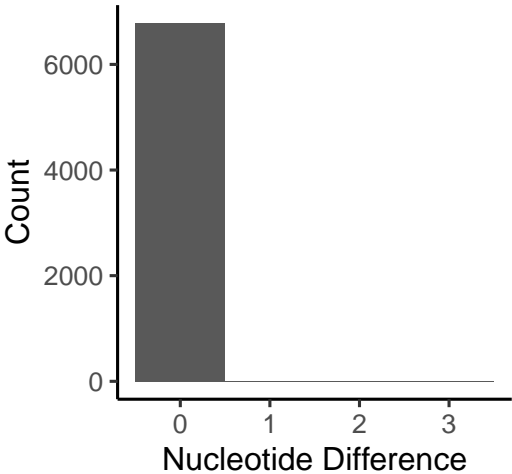
TRBV12-34*ap01

16527 sequences assigned
16491 (99.8%) exact matches, in which:
16485 unique CDR3
13 unique J



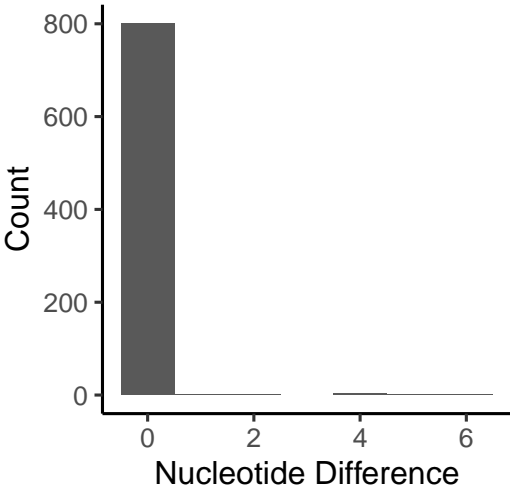
TRBV11-2*ap01

6796 sequences assigned
6783 (99.8%) exact matches, in which:
6779 unique CDR3
13 unique J



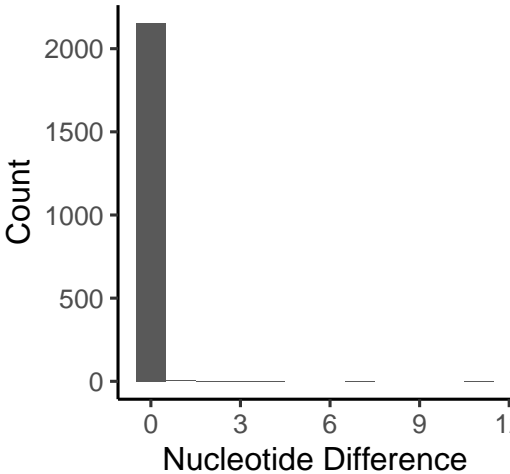
TRBV12-2*ap01

808 sequences assigned
801 (99.1%) exact matches, in which:
801 unique CDR3
13 unique J



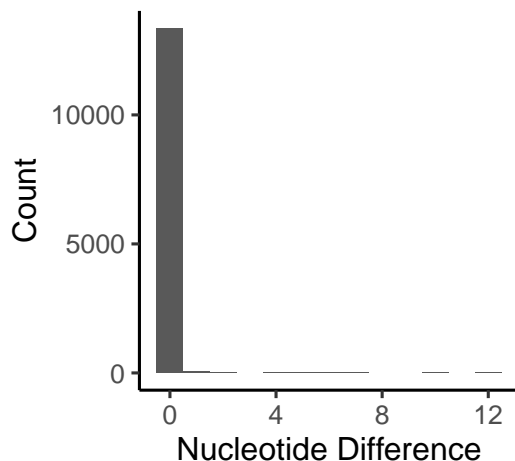
TRBV23-1*ap01

2167 sequences assigned
2154 (99.4%) exact matches, in which:
2153 unique CDR3
13 unique J



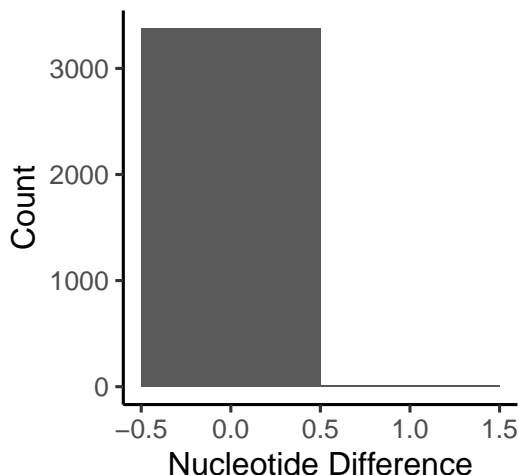
TRBV3-12*ap01

13433 sequences assigned
13362 (99.5%) exact matches, in which:
13337 unique CDR3
13 unique J



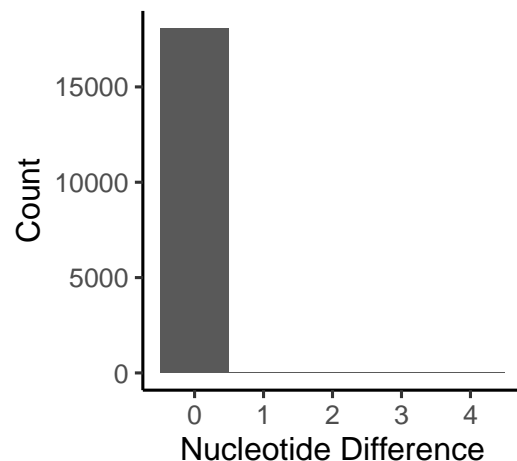
TRBV4-2*ap01

3391 sequences assigned
3377 (99.6%) exact matches, in which:
3372 unique CDR3
13 unique J



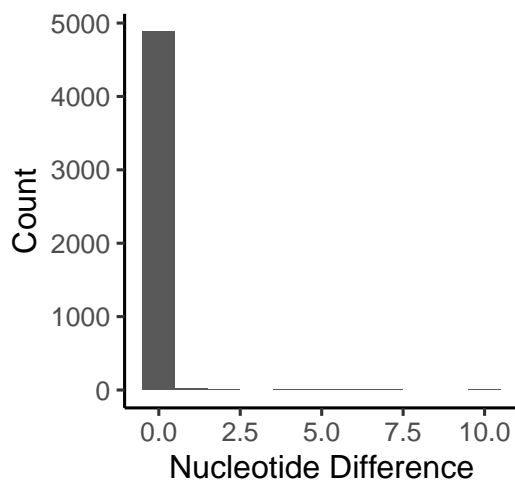
TRBV5-1*ap01

18127 sequences assigned
18081 (99.7%) exact matches, in which:
18020 unique CDR3
13 unique J



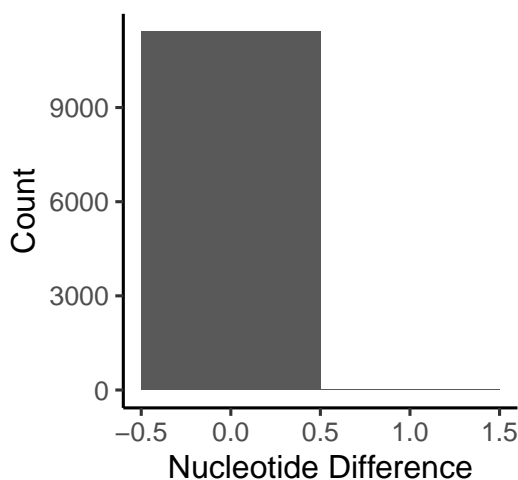
TRBV24-1*ap01

4917 sequences assigned
4882 (99.3%) exact matches, in which:
4868 unique CDR3
13 unique J



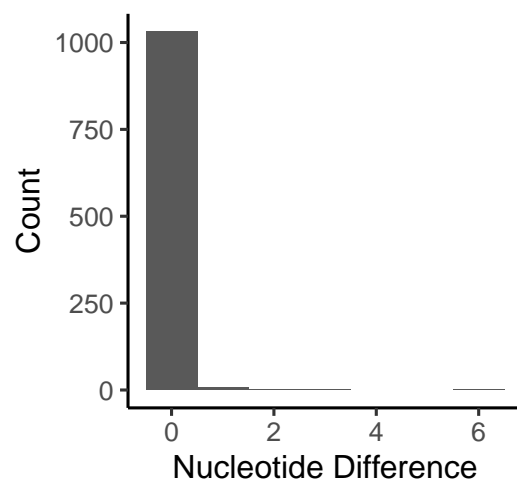
TRBV4-3*ap01

11433 sequences assigned
11416 (99.9%) exact matches, in which:
11398 unique CDR3
13 unique J



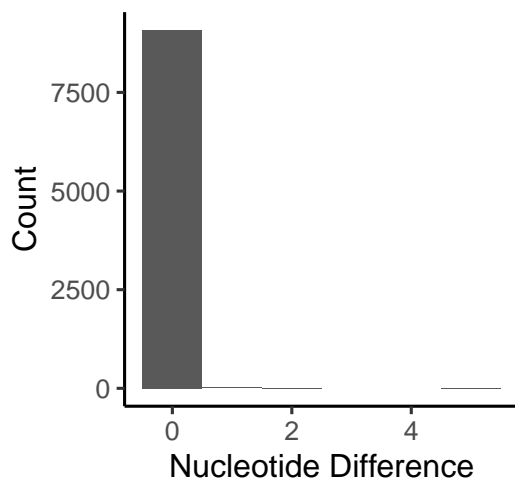
TRBV5-3*ap01

1042 sequences assigned
1031 (98.9%) exact matches, in which:
1031 unique CDR3
13 unique J



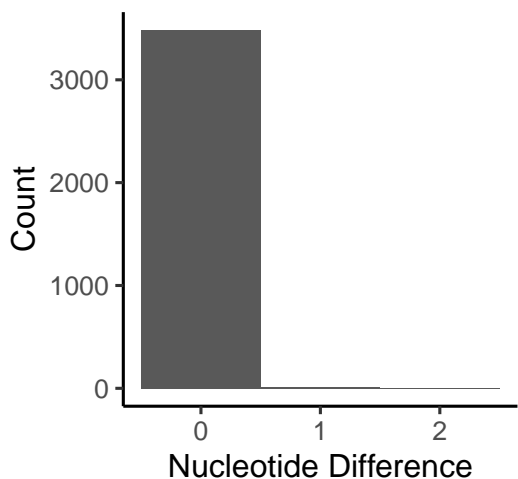
TRBV4-1*ap01

9102 sequences assigned
9081 (99.8%) exact matches, in which:
9070 unique CDR3
13 unique J



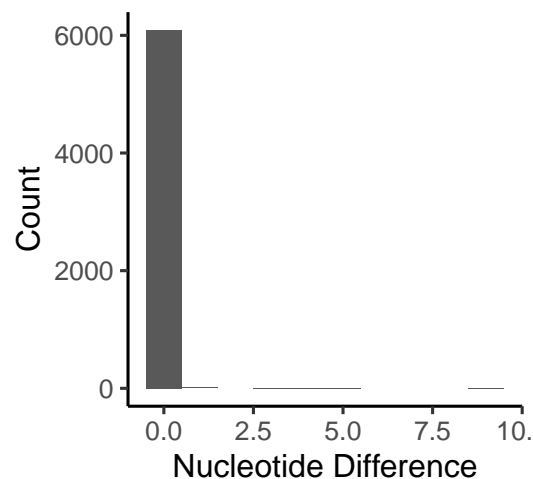
TRBV25-1*ap01

3498 sequences assigned
3484 (99.6%) exact matches, in which:
3478 unique CDR3
13 unique J



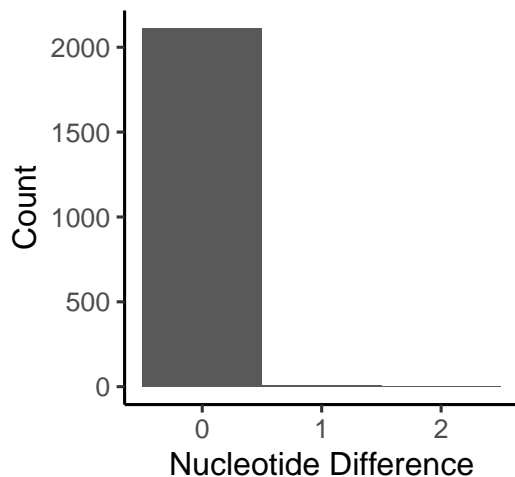
TRBV5-4*ap01

6107 sequences assigned
6090 (99.7%) exact matches, in which:
6085 unique CDR3
13 unique J



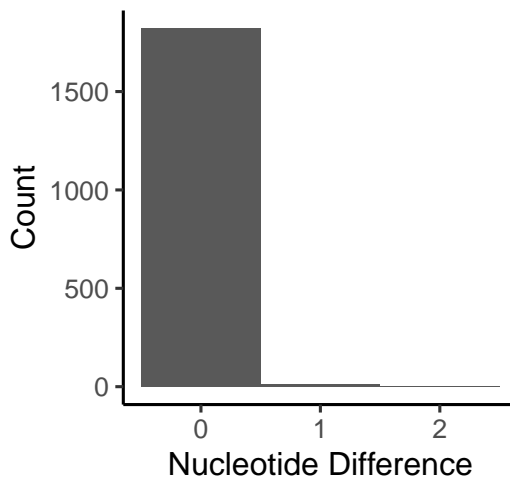
TRBV5-5*ap01

2118 sequences assigned
2111 (99.7%) exact matches, in which:
2110 unique CDR3
13 unique J



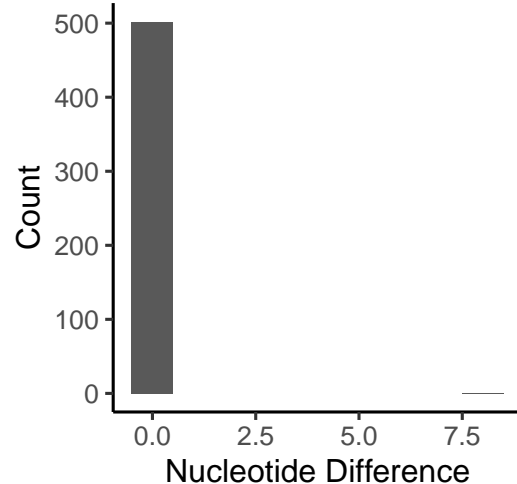
TRBV5-8*ap01

1834 sequences assigned
1821 (99.3%) exact matches, in which:
1821 unique CDR3
13 unique J



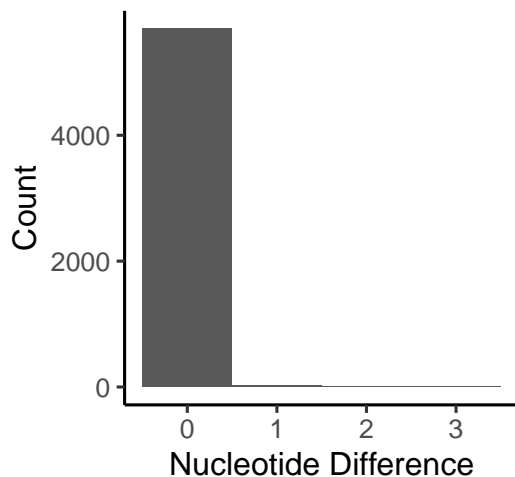
TRBV6-7*ap01

503 sequences assigned
502 (99.8%) exact matches, in which:
502 unique CDR3
13 unique J



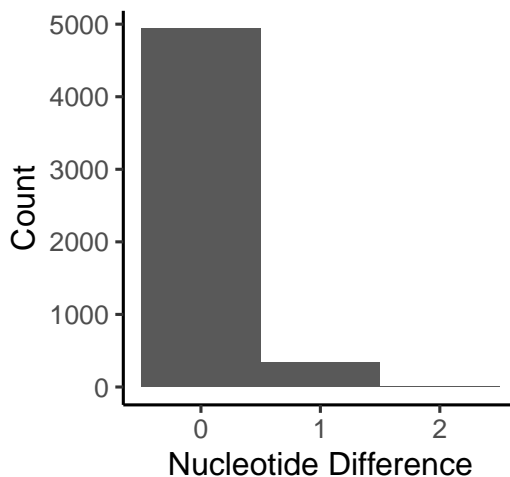
TRBV5-6*ap01

5711 sequences assigned
5693 (99.7%) exact matches, in which:
5667 unique CDR3
13 unique J



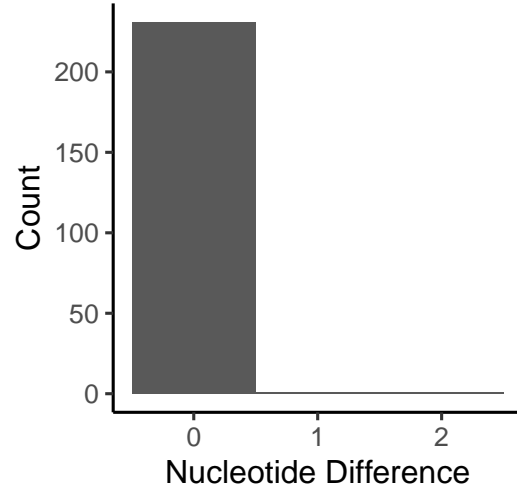
TRBV6-1*ap01

5276 sequences assigned
4937 (93.6%) exact matches, in which:
4933 unique CDR3
13 unique J



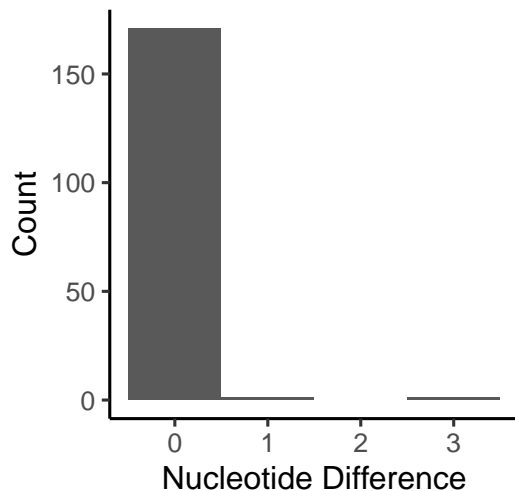
TRBV6-8*ap01

233 sequences assigned
231 (99.1%) exact matches, in which:
231 unique CDR3
13 unique J



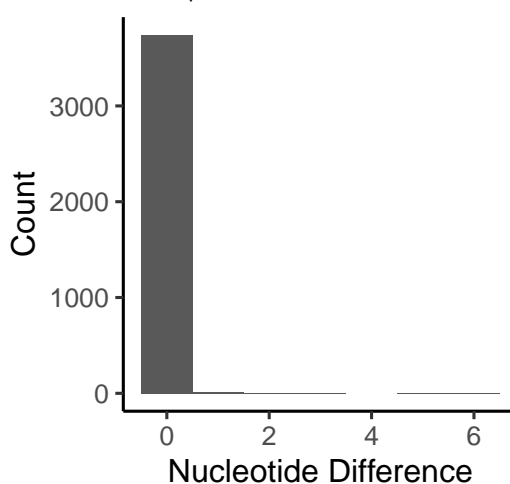
TRBV5-7*ap01

173 sequences assigned
171 (98.8%) exact matches, in which:
171 unique CDR3
13 unique J



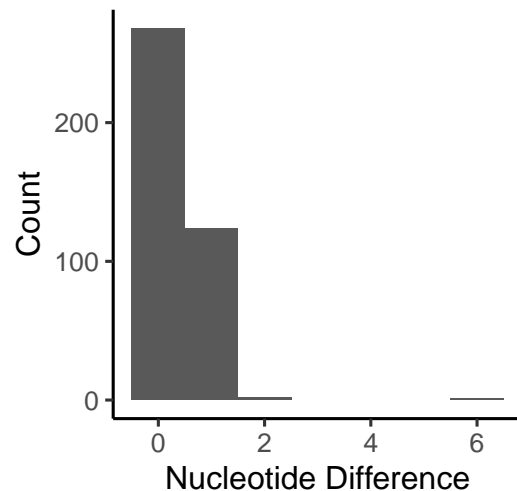
TRBV6-4*ap01

3758 sequences assigned
3740 (99.5%) exact matches, in which:
3739 unique CDR3
13 unique J



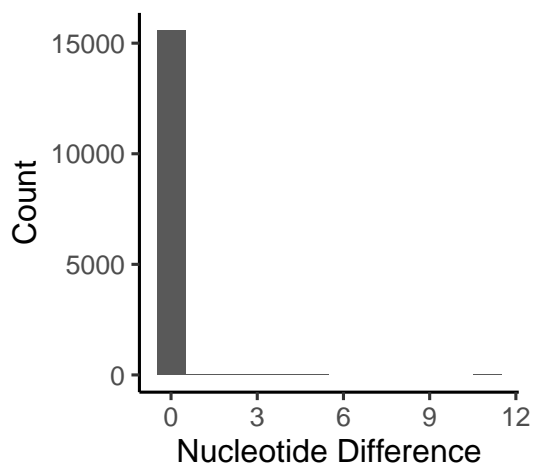
TRBV6-9*ap01

395 sequences assigned
268 (67.8%) exact matches, in which:
268 unique CDR3
13 unique J



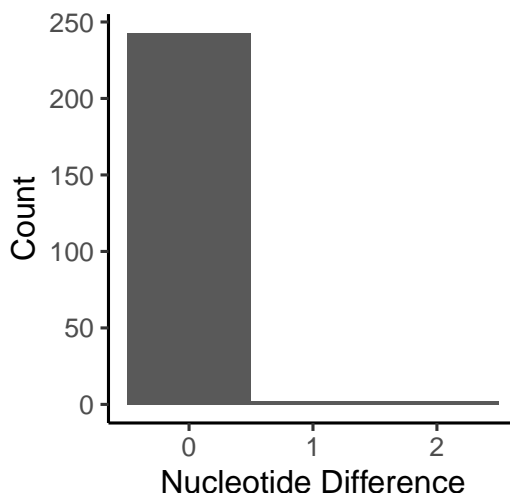
TRBV6-23*ap01

15643 sequences assigned
15589 (99.7%) exact matches, in which:
15545 unique CDR3
13 unique J



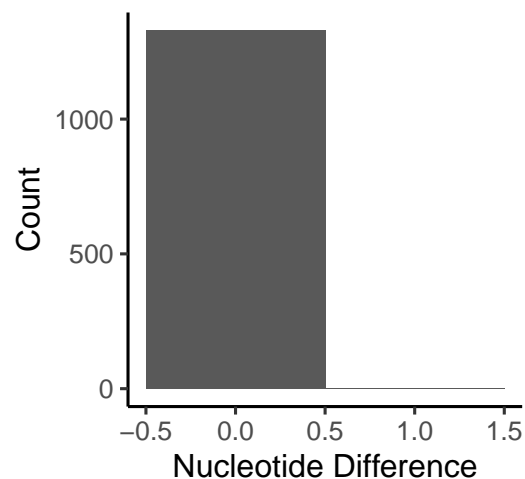
TRBV7-1*ap01_G291C_

247 sequences assigned
243 (98.4%) exact matches, in which:
243 unique CDR3
13 unique J



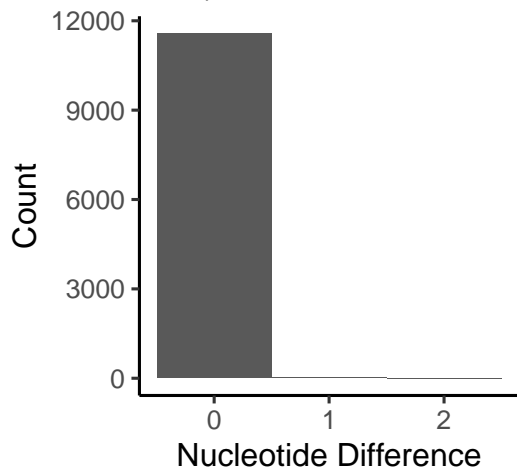
TRBV7-3*ap02

1332 sequences assigned
1329 (99.8%) exact matches, in which:
1329 unique CDR3
13 unique J



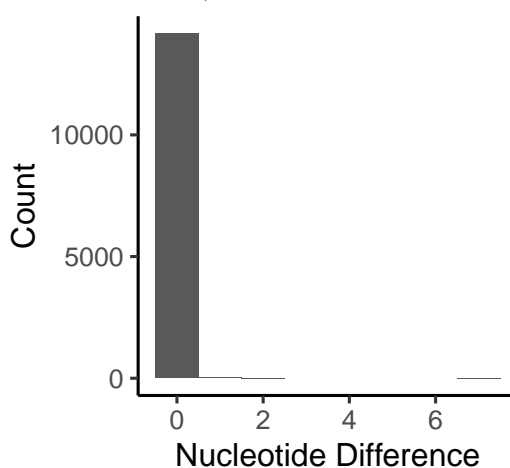
TRBV6-56*ap01

11601 sequences assigned
11574 (99.8%) exact matches, in which:
11556 unique CDR3
13 unique J



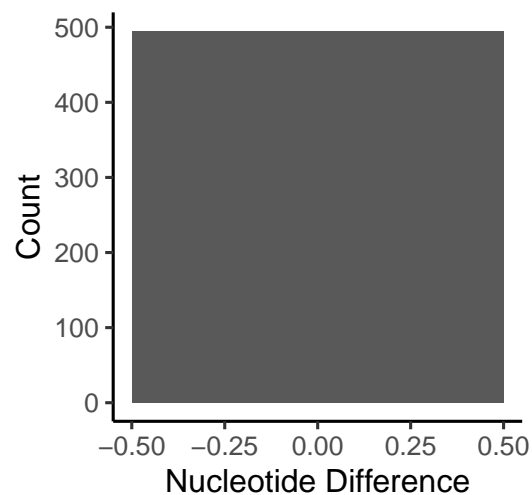
TRBV7-2*ap01

14200 sequences assigned
14168 (99.8%) exact matches, in which:
14162 unique CDR3
13 unique J



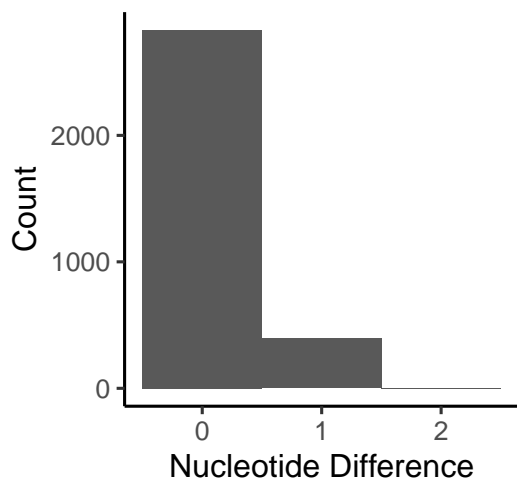
TRBV7-4*ap01

495 sequences assigned
495 (100%) exact matches, in which:
495 unique CDR3
13 unique J



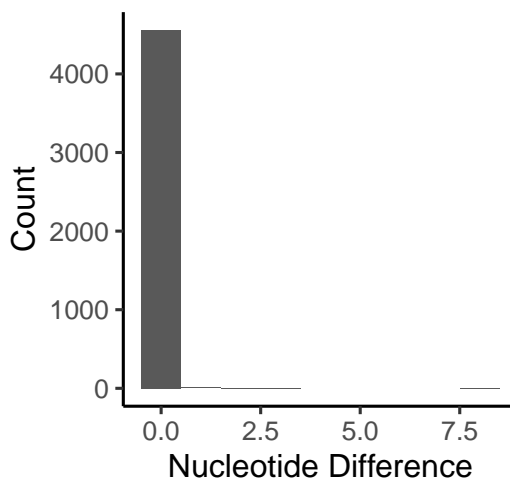
TRBV6-56*ap02

3231 sequences assigned
2833 (87.7%) exact matches, in which:
2829 unique CDR3
13 unique J



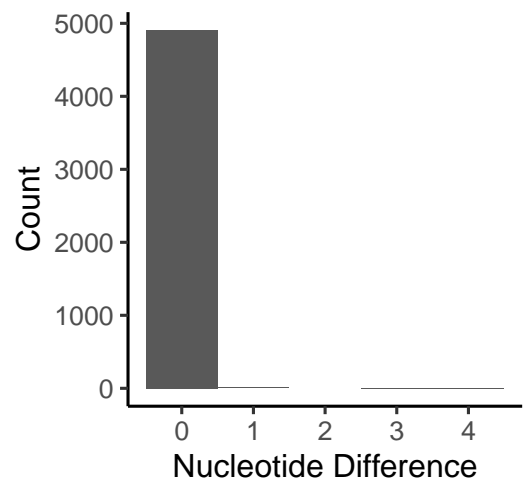
TRBV7-3*ap01

4571 sequences assigned
4558 (99.7%) exact matches, in which:
4551 unique CDR3
13 unique J



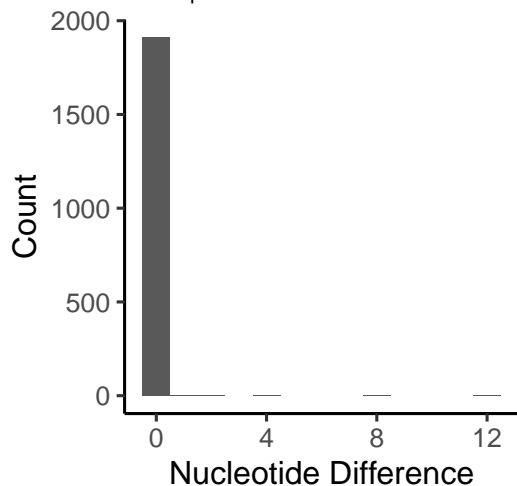
TRBV7-6*ap01

4920 sequences assigned
4908 (99.8%) exact matches, in which:
4901 unique CDR3
13 unique J



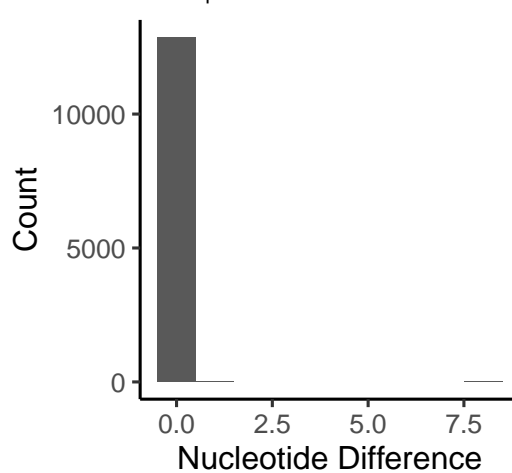
TRBV7-7*ap01_C315T

1917 sequences assigned
1911 (99.7%) exact matches, in which:
1910 unique CDR3
13 unique J



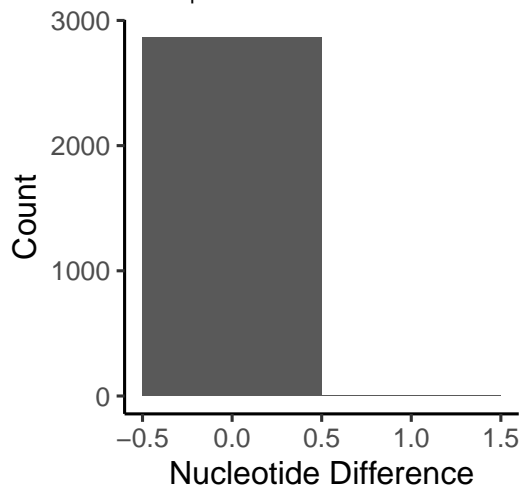
TRBV7-9*ap01

12894 sequences assigned
12871 (99.8%) exact matches, in which:
12866 unique CDR3
13 unique J



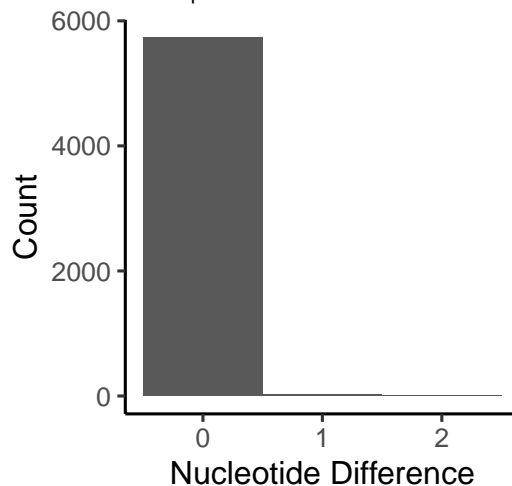
TRBV7-8*ap01

2865 sequences assigned
2862 (99.9%) exact matches, in which:
2861 unique CDR3
13 unique J



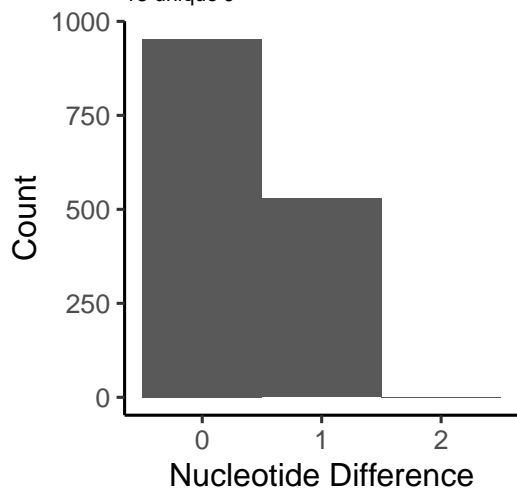
TRBV29-1*ap01

5754 sequences assigned
5730 (99.6%) exact matches, in which:
5710 unique CDR3
13 unique J



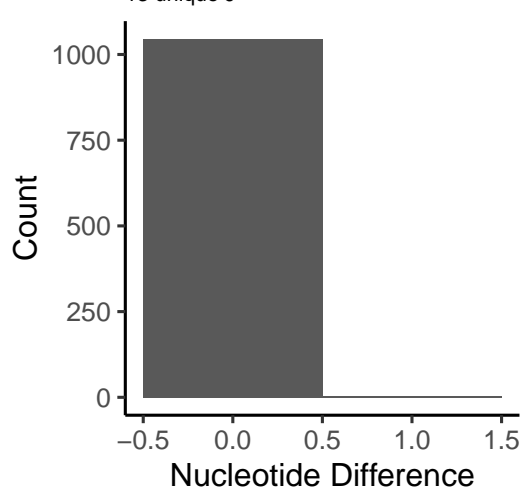
TRBV7-8*ap03

1483 sequences assigned
953 (64.3%) exact matches, in which:
953 unique CDR3
13 unique J

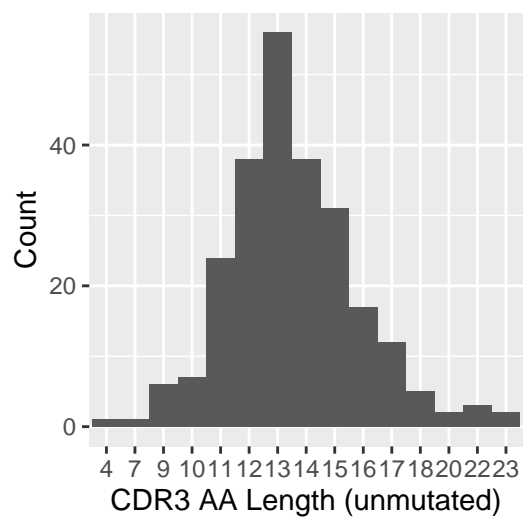


TRBV29-1*ap02

1049 sequences assigned
1045 (99.6%) exact matches, in which:
1041 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

