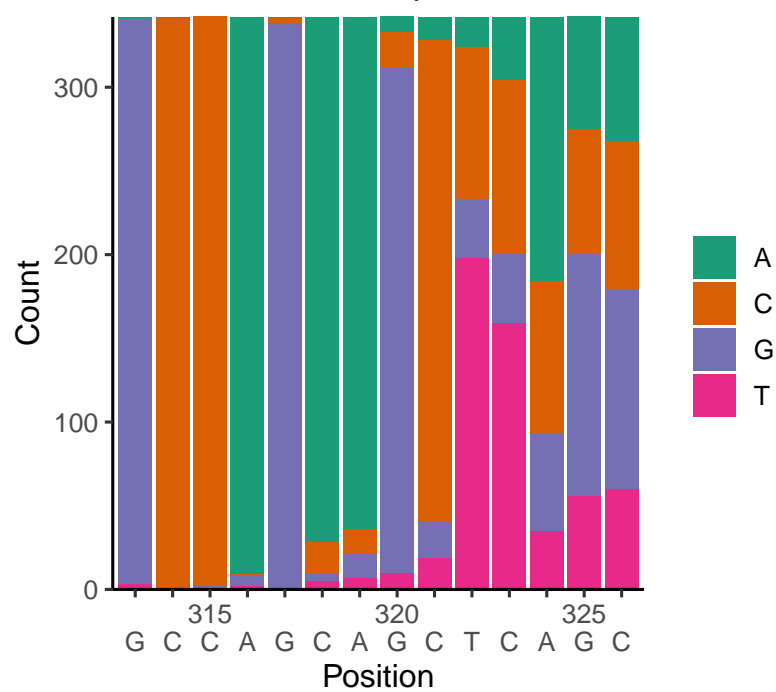
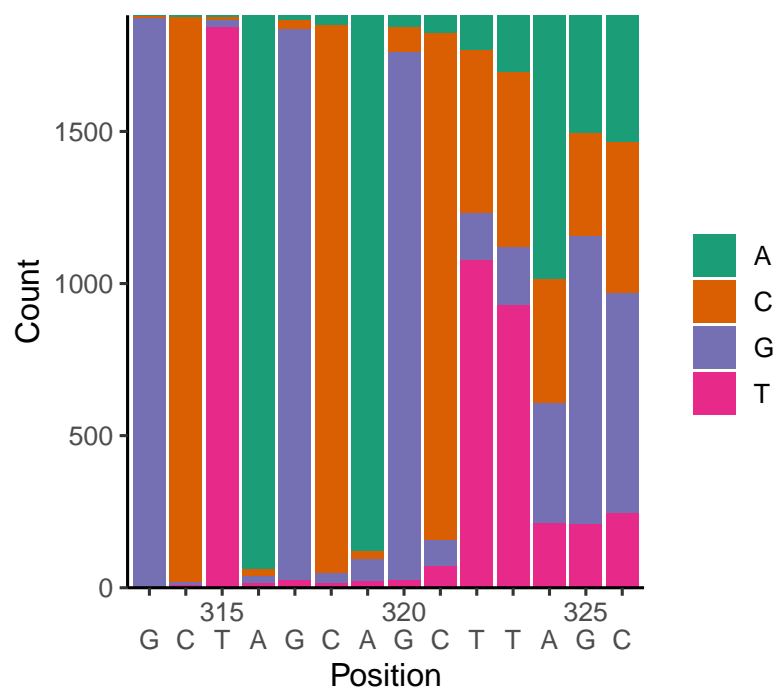


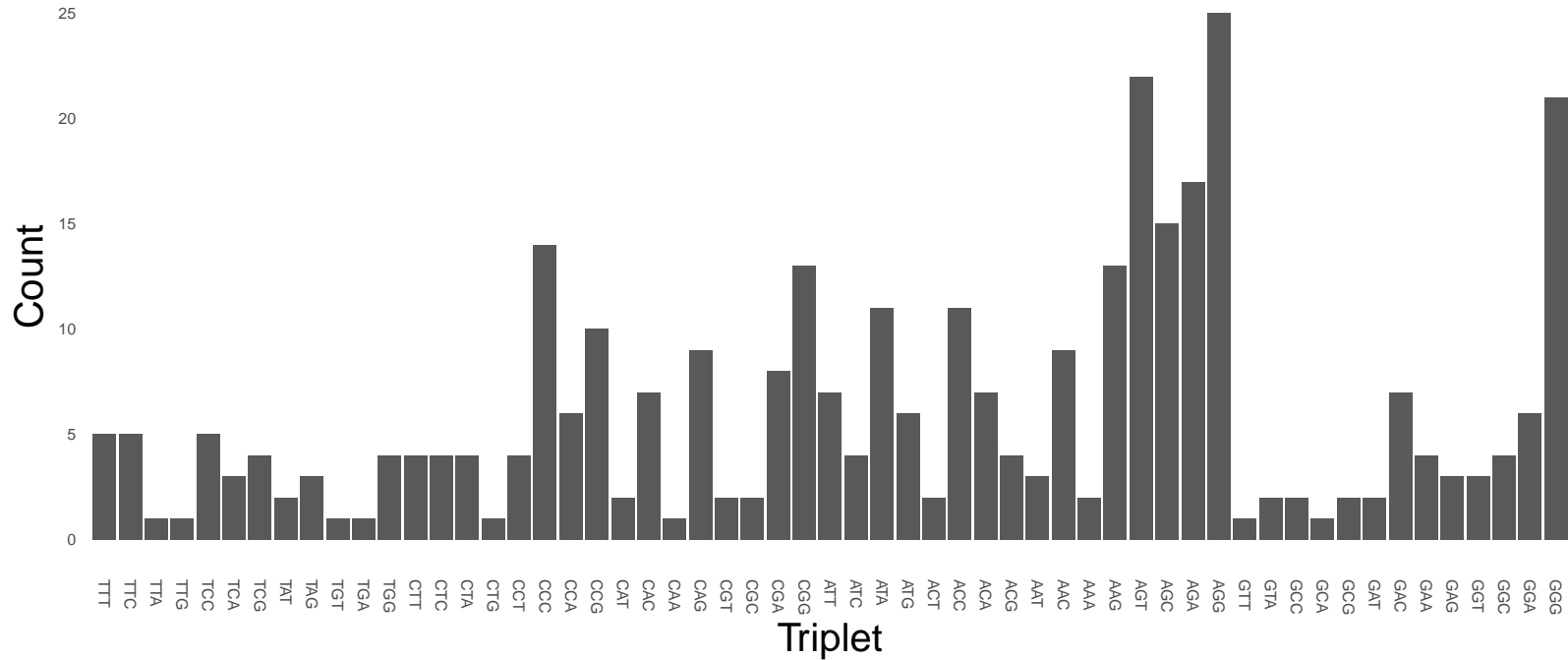
Gene TRBV7-1*ap01_G291C_T296C



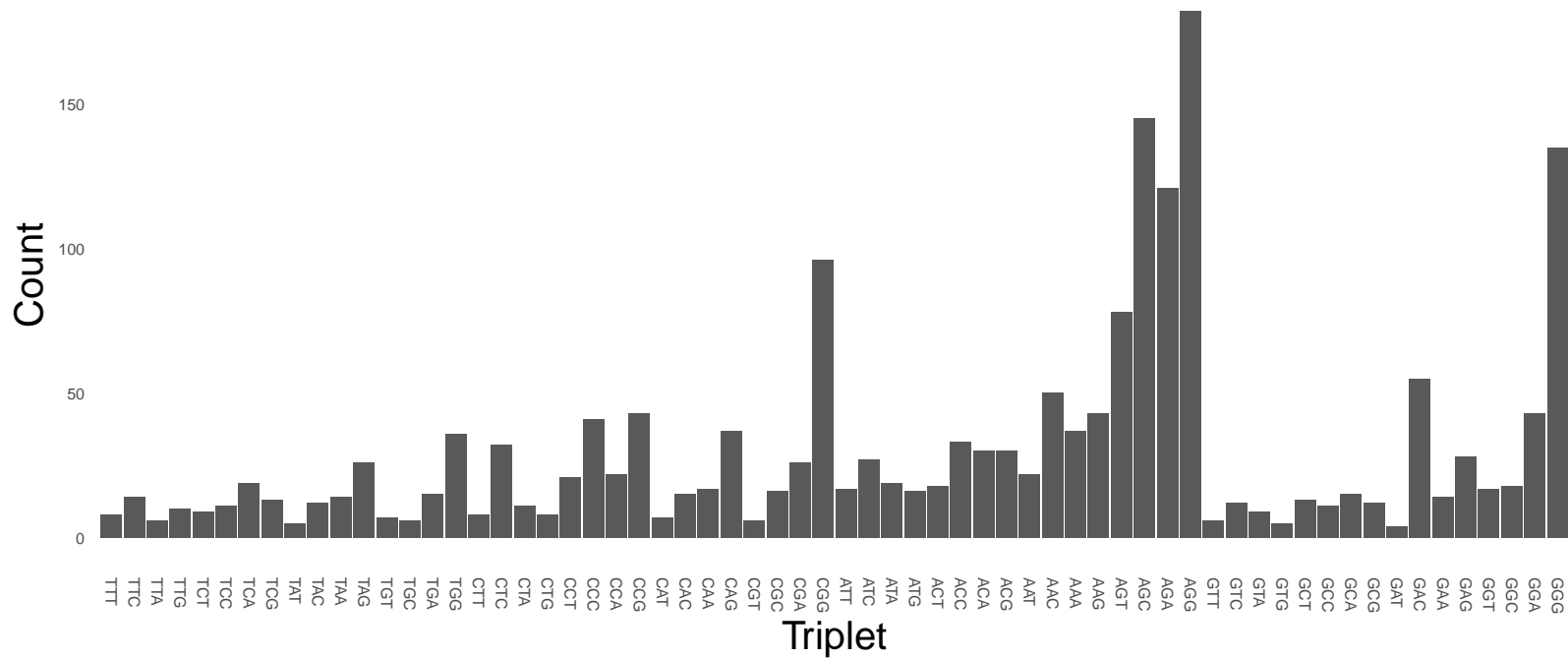
Gene TRBV7-7*ap01_C315T



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

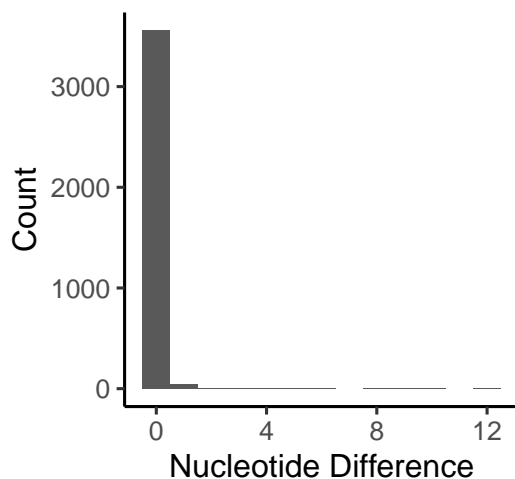


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



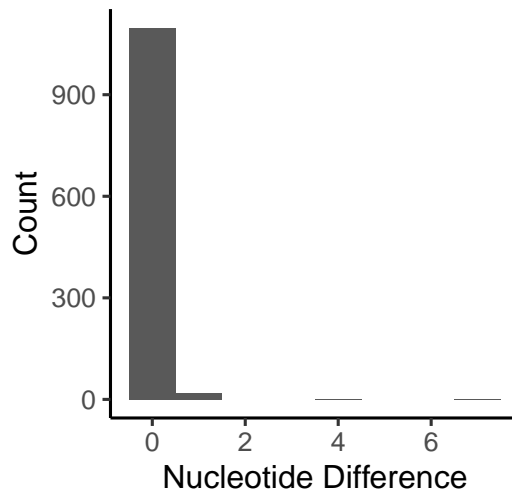
TRBV10-1*ap01

3622 sequences assigned
3558 (98.2%) exact matches, in which:
3492 unique CDR3
13 unique J



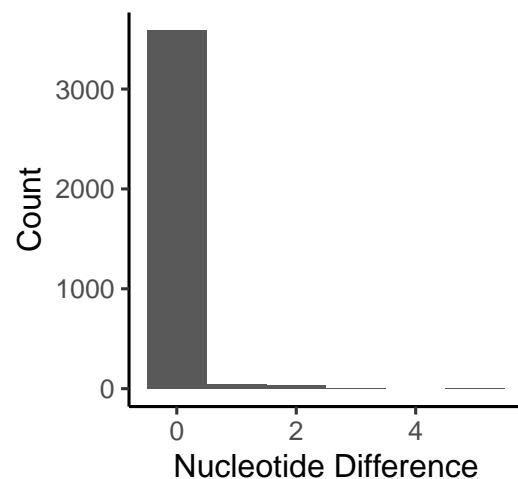
TRBV10-2*ap01

1120 sequences assigned
1098 (98%) exact matches, in which:
1073 unique CDR3
13 unique J



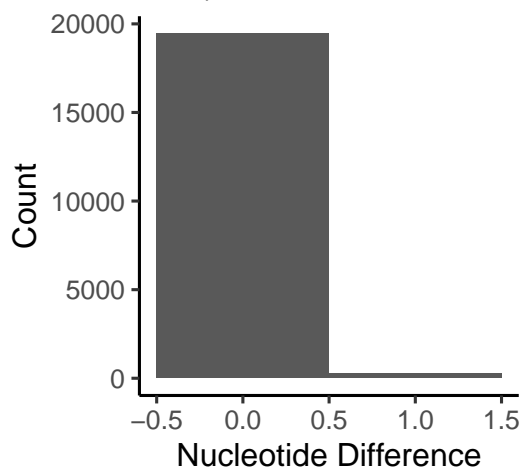
TRBV13*ap01

3671 sequences assigned
3587 (97.7%) exact matches, in which:
3515 unique CDR3
13 unique J



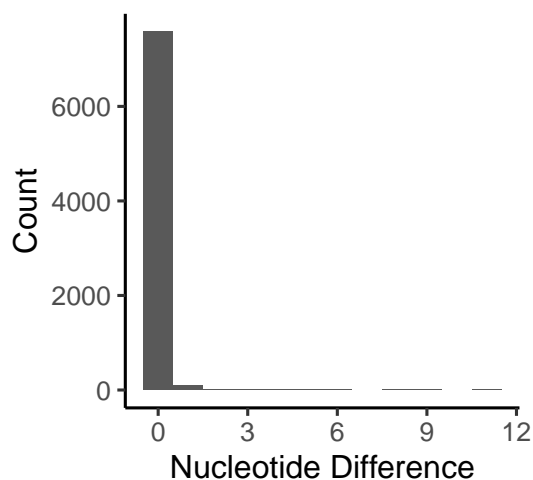
TRBV20-1*ap01

19723 sequences assigned
19458 (98.7%) exact matches, in which:
19145 unique CDR3
13 unique J



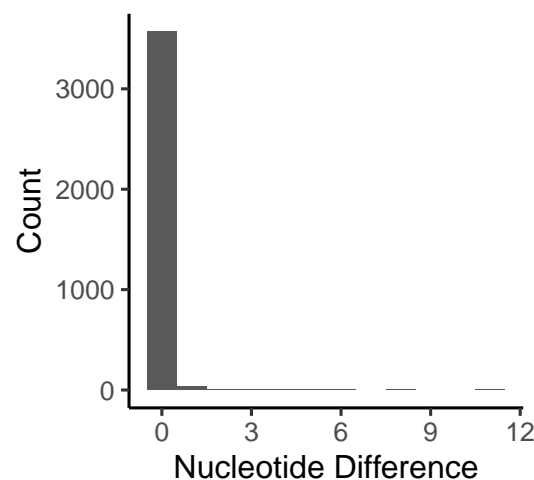
TRBV10-3*ap01

7694 sequences assigned
7580 (98.5%) exact matches, in which:
7433 unique CDR3
13 unique J



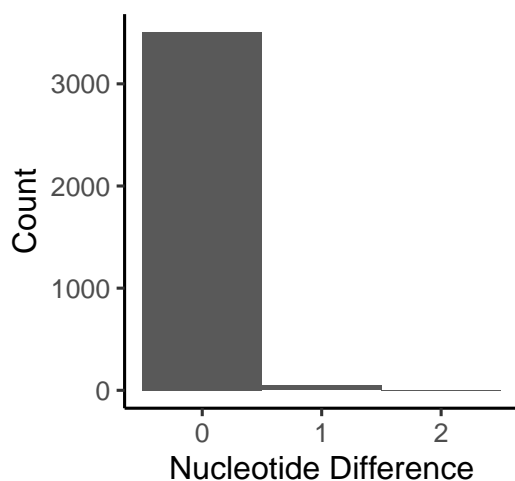
TRBV14*ap01

3618 sequences assigned
3569 (98.6%) exact matches, in which:
3505 unique CDR3
13 unique J



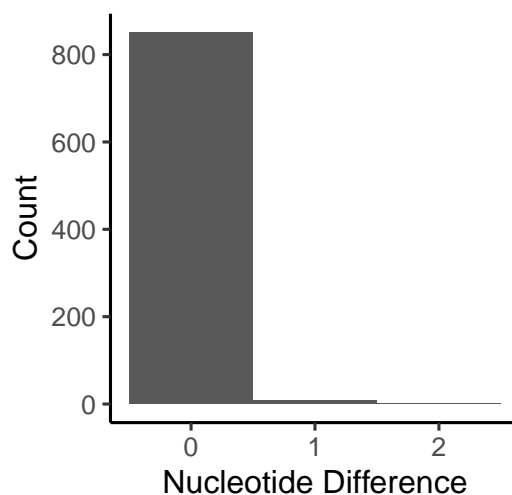
TRBV20-1*ap02

3554 sequences assigned
3507 (98.7%) exact matches, in which:
3440 unique CDR3
13 unique J



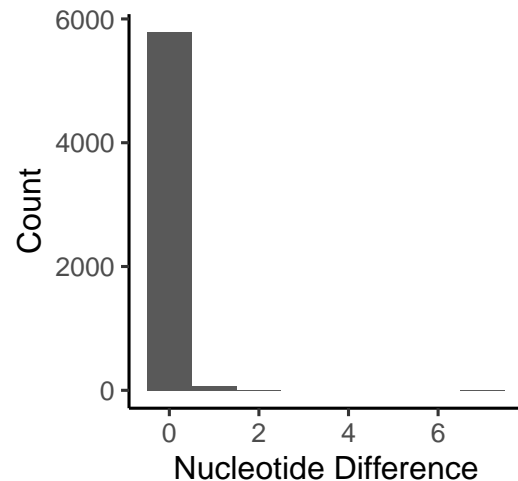
TRBV1*ap01

860 sequences assigned
851 (99%) exact matches, in which:
832 unique CDR3
13 unique J



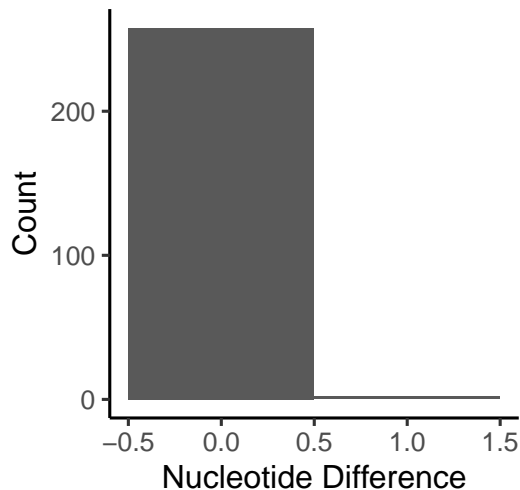
TRBV15*ap02

5860 sequences assigned
5788 (98.8%) exact matches, in which:
5676 unique CDR3
13 unique J



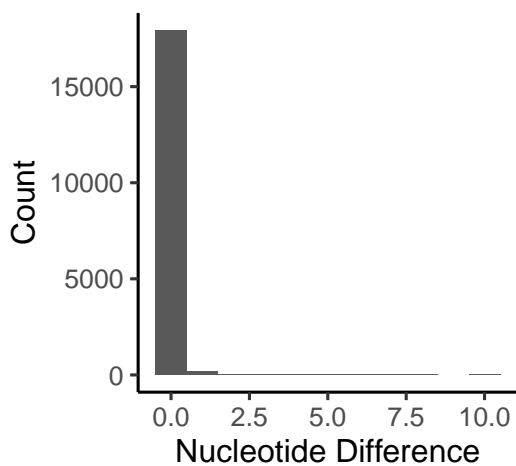
TRBV16*ap01

260 sequences assigned
258 (99.2%) exact matches, in which:
255 unique CDR3
13 unique J



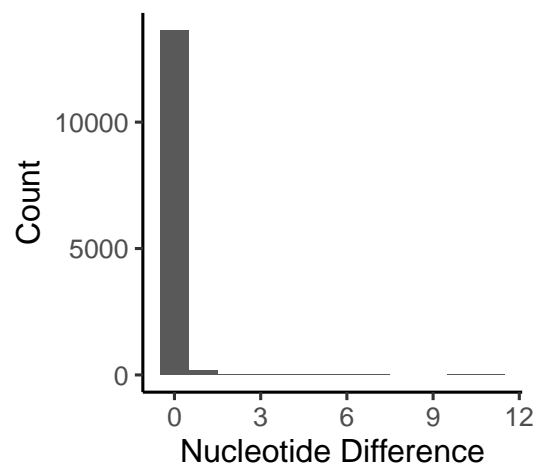
TRBV19*ap01

18150 sequences assigned
17939 (98.8%) exact matches, in which:
17776 unique CDR3
13 unique J



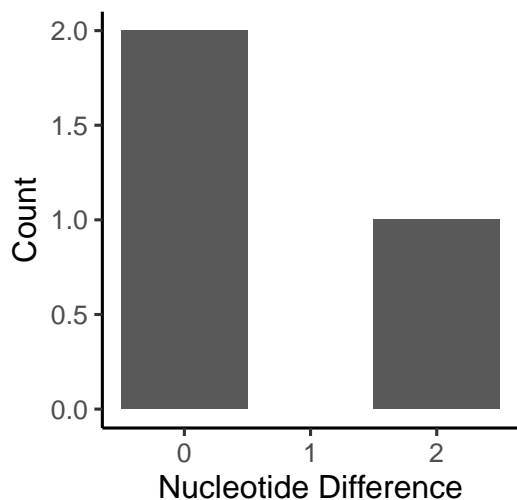
TRBV27*ap01

13831 sequences assigned
13638 (98.6%) exact matches, in which:
13327 unique CDR3
13 unique J



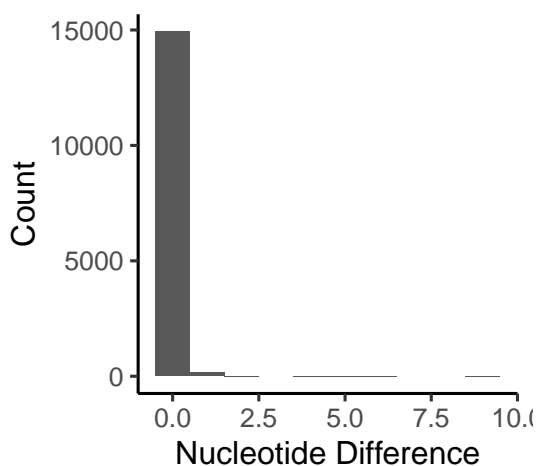
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



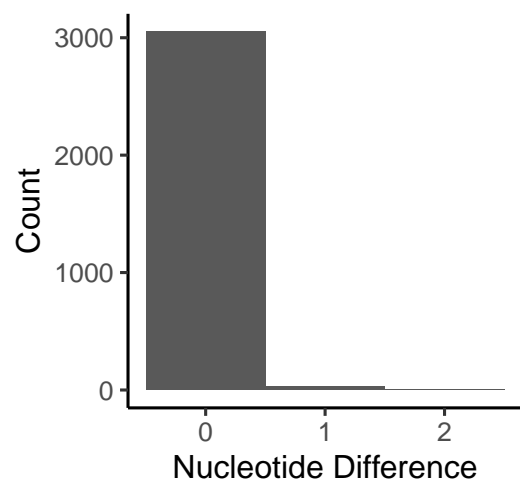
TRBV2*ap01

15116 sequences assigned
14936 (98.8%) exact matches, in which:
14603 unique CDR3
13 unique J



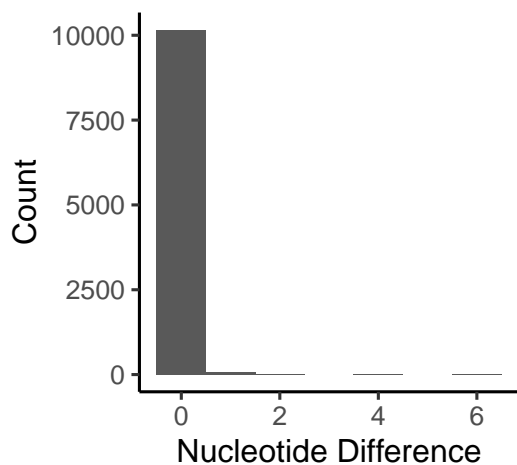
TRBV28*ap01

3080 sequences assigned
3051 (99.1%) exact matches, in which:
3011 unique CDR3
13 unique J



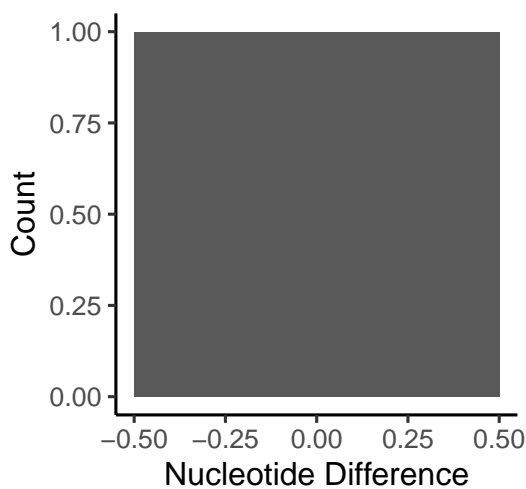
TRBV18*ap01

10225 sequences assigned
10161 (99.4%) exact matches, in which:
10065 unique CDR3
13 unique J



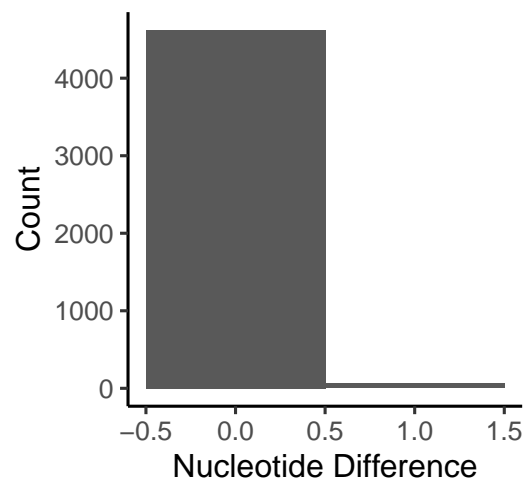
TRBV26*ap01

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



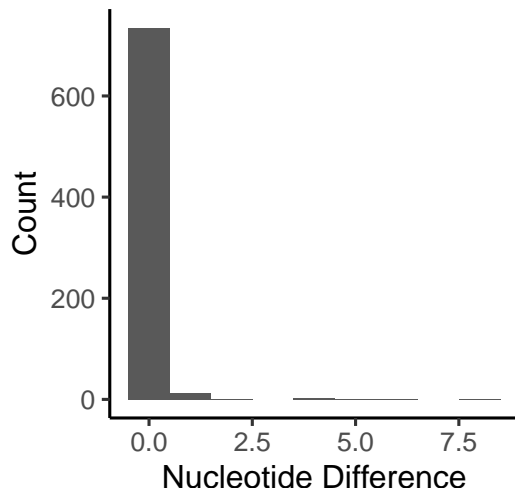
TRBV30*ap01

4682 sequences assigned
4621 (98.7%) exact matches, in which:
4565 unique CDR3
13 unique J



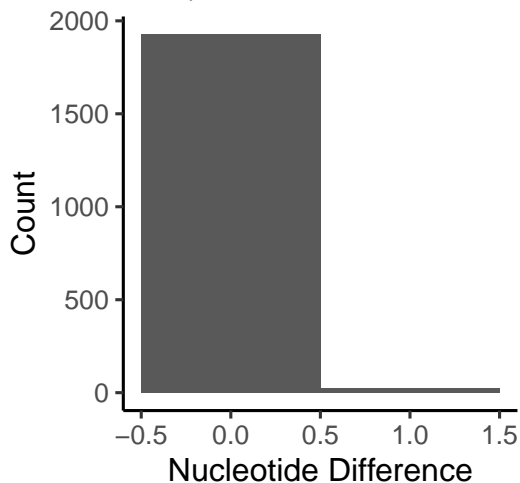
TRBV30*ap02

753 sequences assigned
735 (97.6%) exact matches, in which:
726 unique CDR3
13 unique J



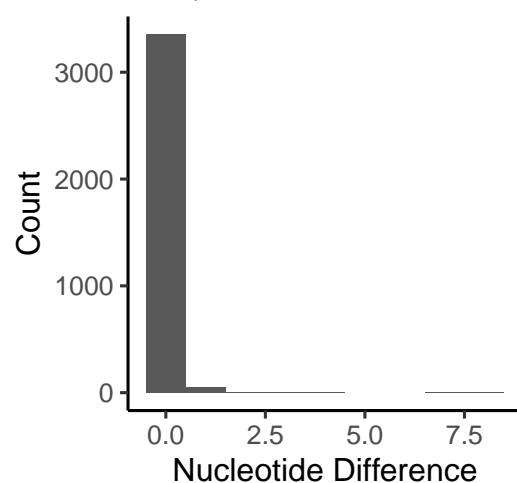
TRBV11-1*ap01

1949 sequences assigned
1927 (98.9%) exact matches, in which:
1886 unique CDR3
13 unique J



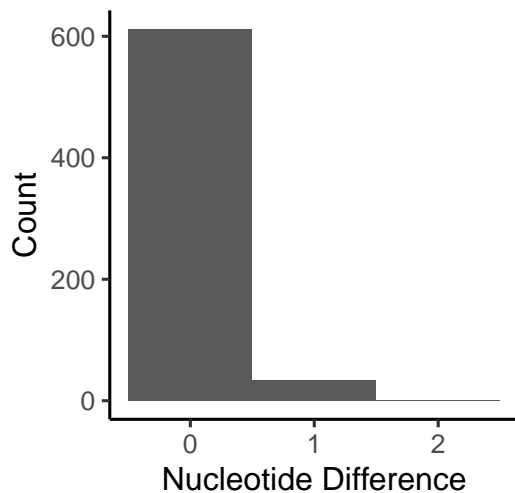
TRBV11-3*ap01

3407 sequences assigned
3354 (98.4%) exact matches, in which:
3296 unique CDR3
13 unique J



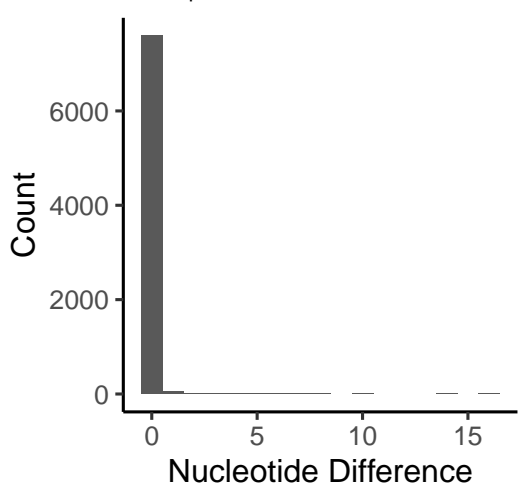
TRBV30*ap03

647 sequences assigned
612 (94.6%) exact matches, in which:
605 unique CDR3
13 unique J



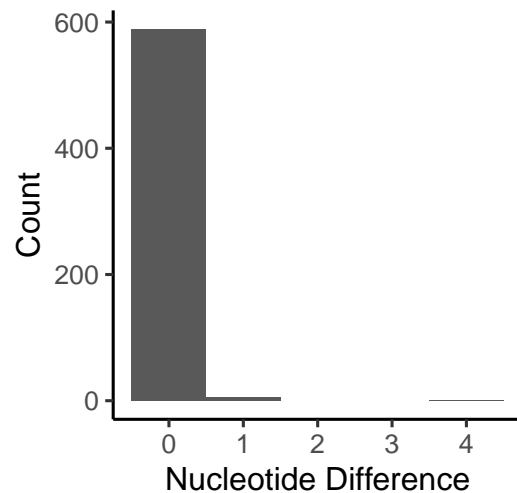
TRBV21-1*ap01

7703 sequences assigned
7594 (98.6%) exact matches, in which:
7503 unique CDR3
13 unique J



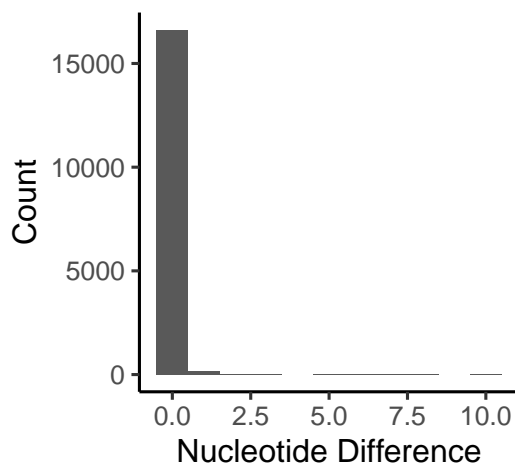
TRBV12-1*ap01

595 sequences assigned
589 (99%) exact matches, in which:
575 unique CDR3
13 unique J



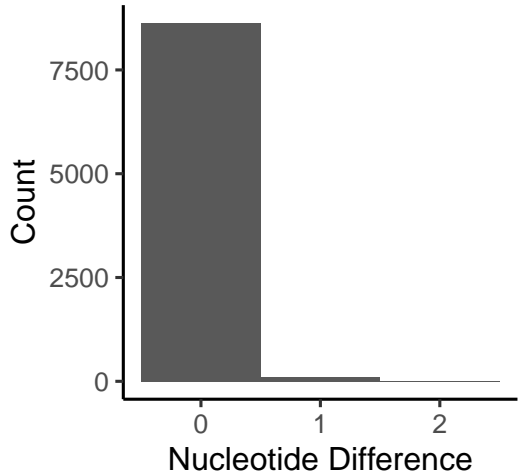
TRBV9*ap01

16820 sequences assigned
16624 (98.8%) exact matches, in which:
16355 unique CDR3
13 unique J



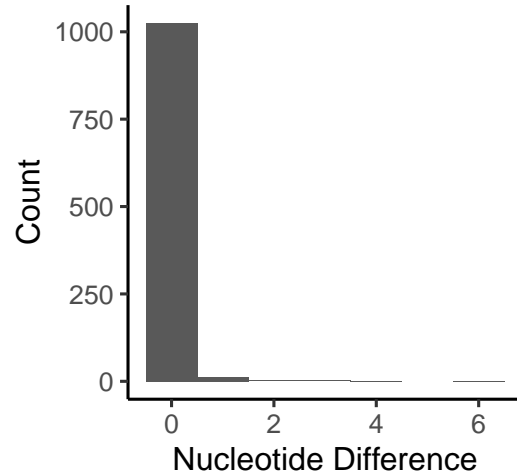
TRBV11-2*ap01

8732 sequences assigned
8629 (98.8%) exact matches, in which:
8443 unique CDR3
13 unique J



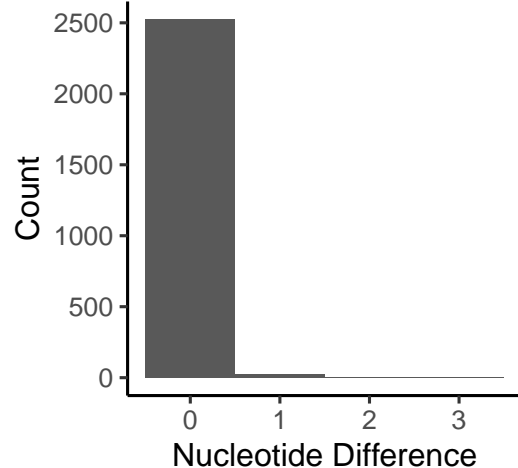
TRBV12-2*ap01

1044 sequences assigned
1025 (98.2%) exact matches, in which:
1012 unique CDR3
13 unique J



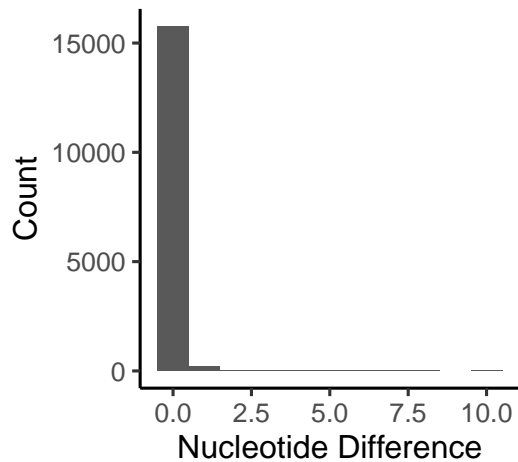
TRBV12-5*ap01

2553 sequences assigned
2524 (98.9%) exact matches, in which:
2480 unique CDR3
13 unique J



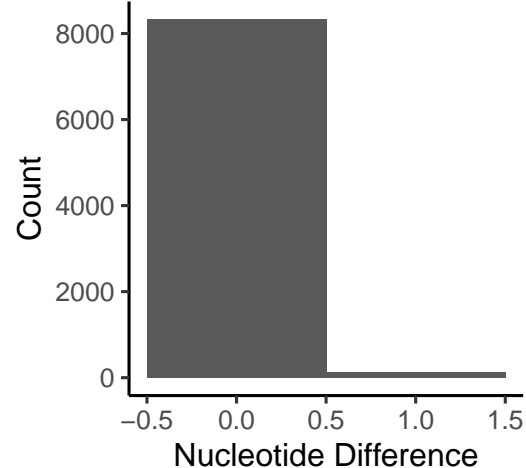
TRBV3-12*ap01

16017 sequences assigned
15773 (98.5%) exact matches, in which:
15465 unique CDR3
13 unique J



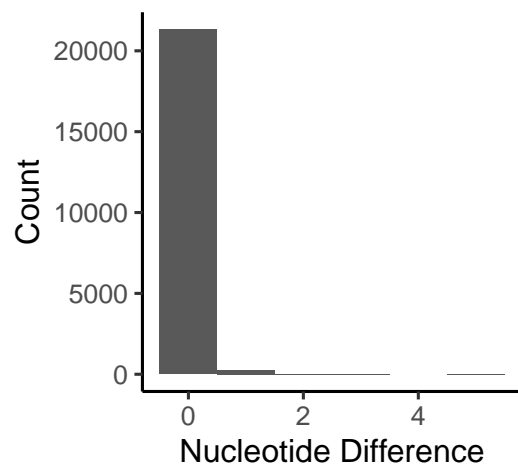
TRBV4-2*ap01

8446 sequences assigned
8328 (98.6%) exact matches, in which:
8177 unique CDR3
13 unique J



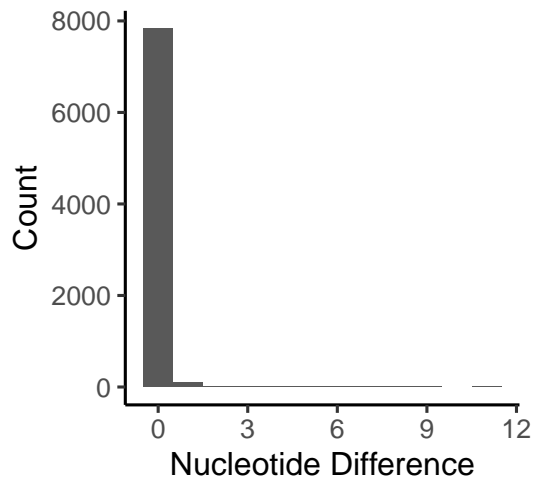
TRBV12-34*ap01

21582 sequences assigned
21320 (98.8%) exact matches, in which:
20902 unique CDR3
13 unique J



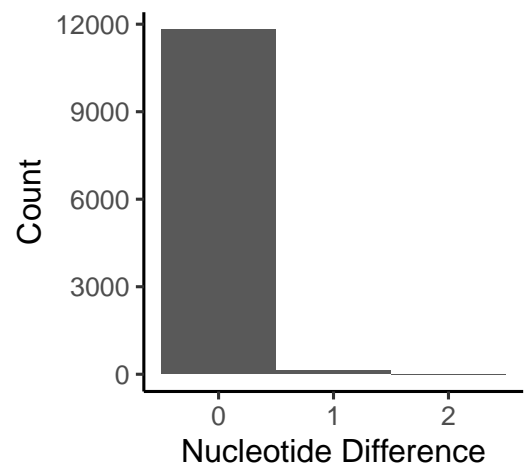
TRBV24-1*ap01

7943 sequences assigned
7829 (98.6%) exact matches, in which:
7689 unique CDR3
13 unique J



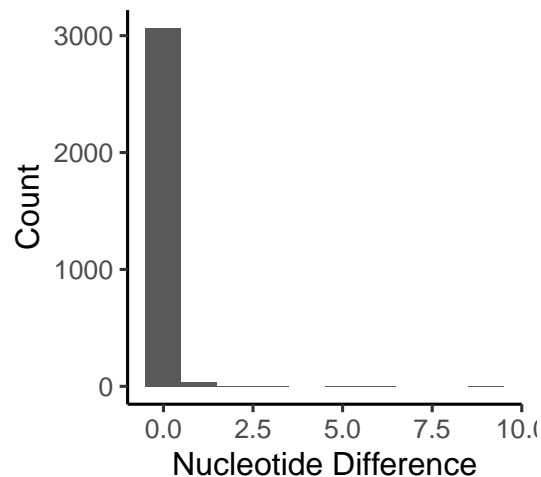
TRBV4-3*ap01

11953 sequences assigned
11819 (98.9%) exact matches, in which:
11573 unique CDR3
13 unique J



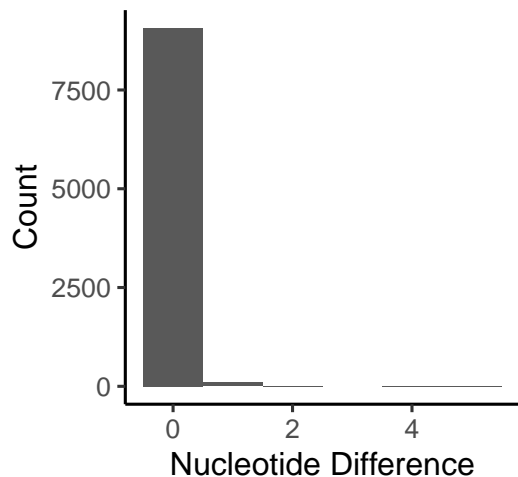
TRBV23-1*ap01

3111 sequences assigned
3065 (98.5%) exact matches, in which:
3004 unique CDR3
13 unique J



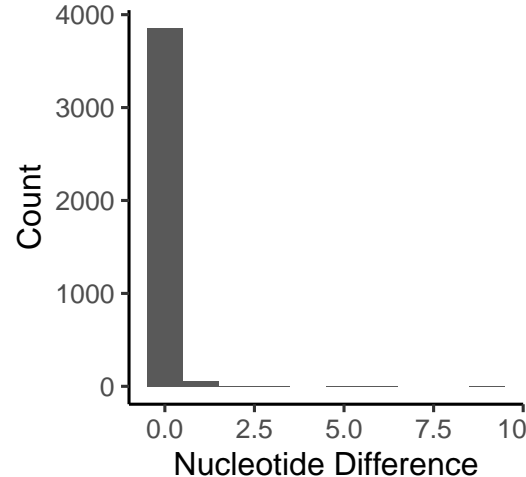
TRBV4-1*ap01

9166 sequences assigned
9067 (98.9%) exact matches, in which:
8919 unique CDR3
13 unique J



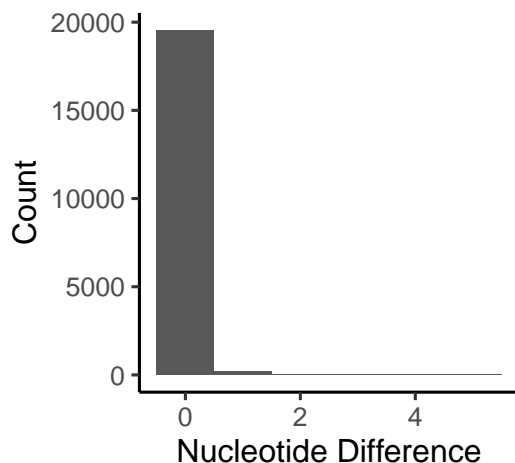
TRBV25-1*ap01

3924 sequences assigned
3856 (98.3%) exact matches, in which:
3785 unique CDR3
13 unique J



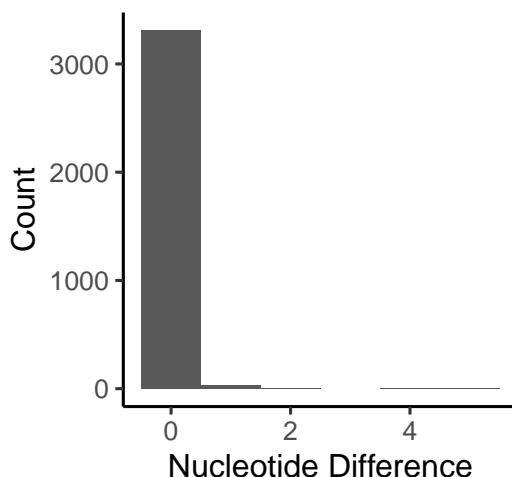
TRBV5-1*ap01

19781 sequences assigned
19549 (98.8%) exact matches, in which:
19121 unique CDR3
13 unique J



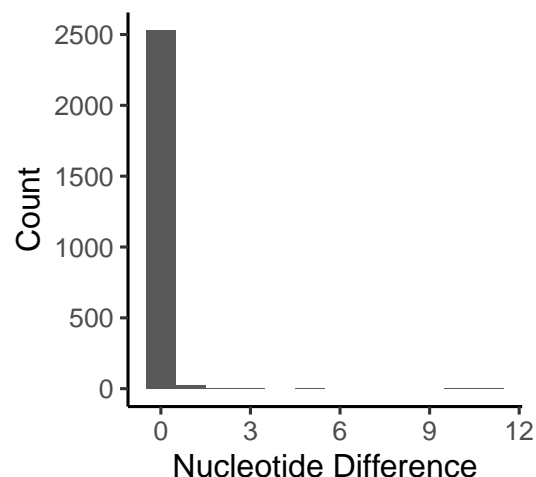
TRBV5-5*ap01

3342 sequences assigned
3310 (99%) exact matches, in which:
3283 unique CDR3
13 unique J



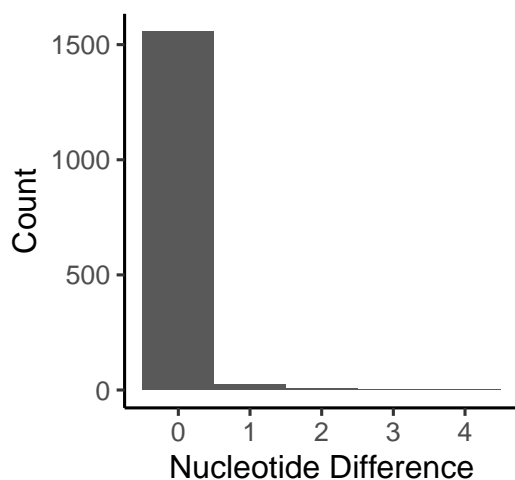
TRBV5-8*ap01

2561 sequences assigned
2529 (98.8%) exact matches, in which:
2490 unique CDR3
13 unique J



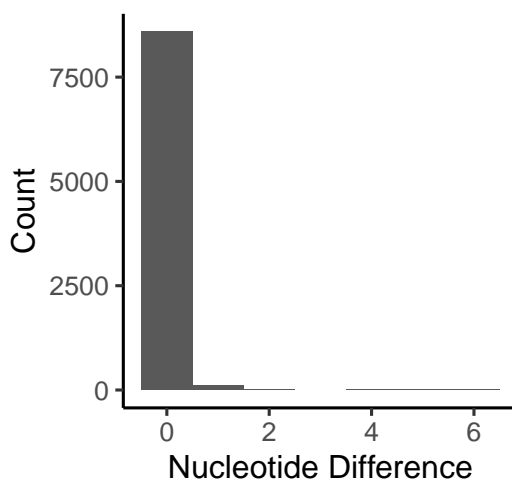
TRBV5-3*ap01

1587 sequences assigned
1556 (98%) exact matches, in which:
1531 unique CDR3
13 unique J



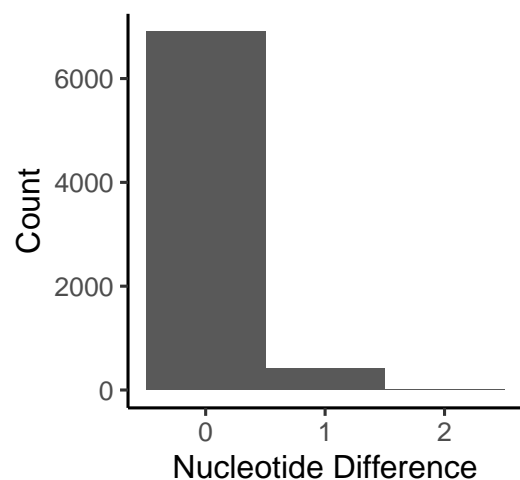
TRBV5-6*ap01

8704 sequences assigned
8588 (98.7%) exact matches, in which:
8396 unique CDR3
13 unique J



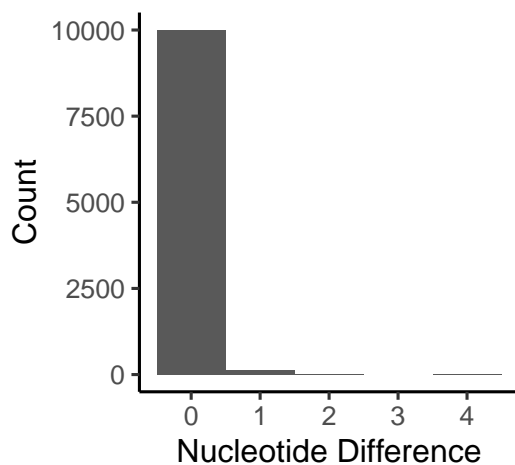
TRBV6-1*ap01

7324 sequences assigned
6902 (94.2%) exact matches, in which:
6753 unique CDR3
14 unique J



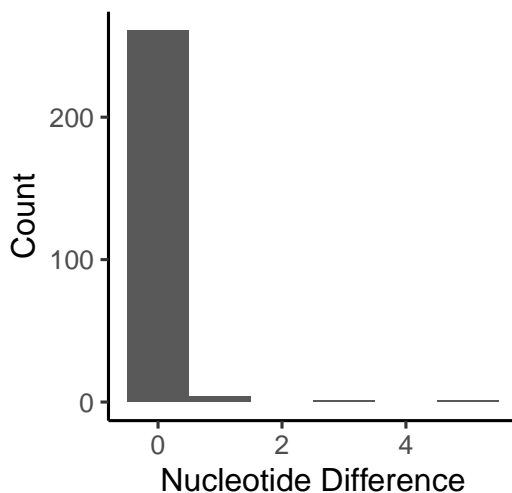
TRBV5-4*ap01

10128 sequences assigned
10006 (98.8%) exact matches, in which:
9825 unique CDR3
13 unique J



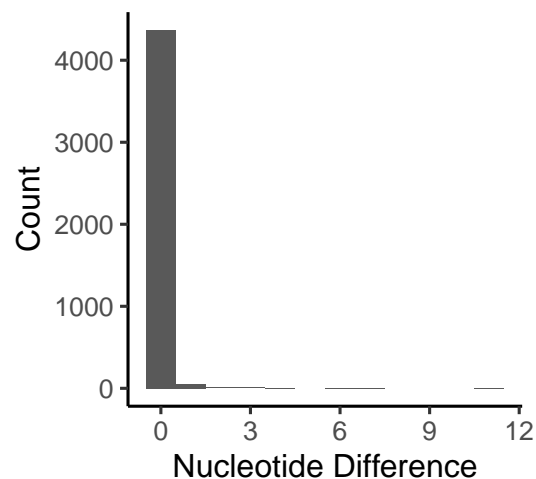
TRBV5-7*ap01

267 sequences assigned
261 (97.8%) exact matches, in which:
257 unique CDR3
13 unique J



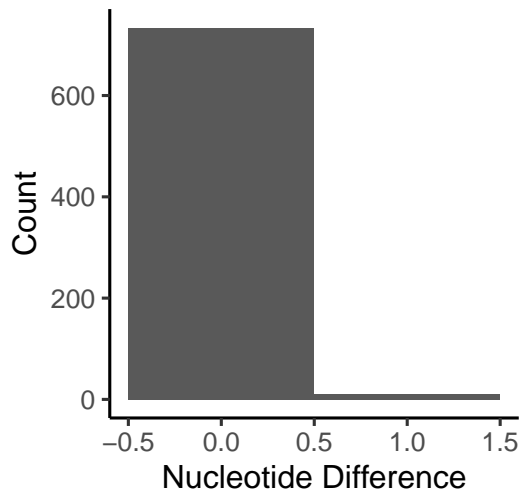
TRBV6-4*ap01

4443 sequences assigned
4368 (98.3%) exact matches, in which:
4263 unique CDR3
13 unique J



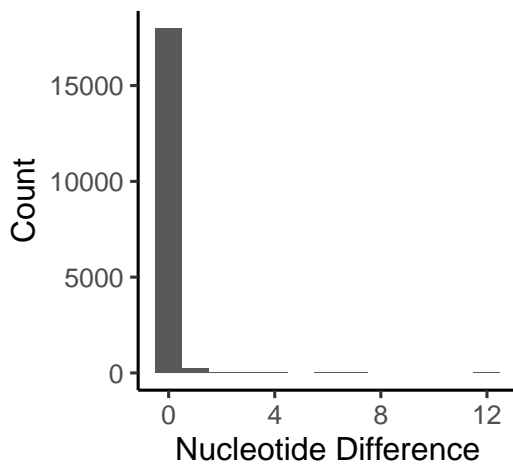
TRBV6-7*ap01

745 sequences assigned
734 (98.5%) exact matches, in which:
719 unique CDR3
13 unique J



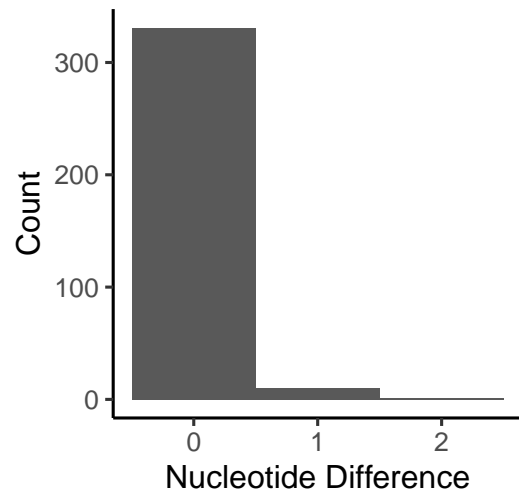
TRBV6-23*ap01

18229 sequences assigned
17999 (98.7%) exact matches, in which:
17588 unique CDR3
13 unique J



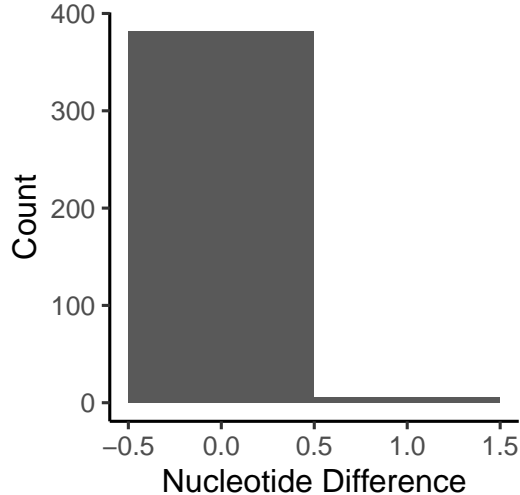
TRBV7-1*ap01_G291C_

342 sequences assigned
331 (96.8%) exact matches, in which:
323 unique CDR3
13 unique J



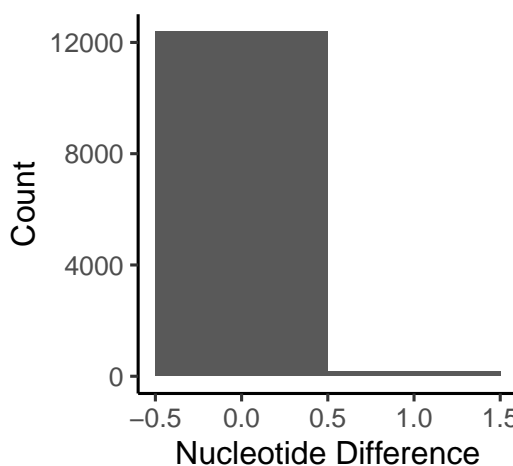
TRBV6-8*ap01

388 sequences assigned
382 (98.5%) exact matches, in which:
375 unique CDR3
13 unique J



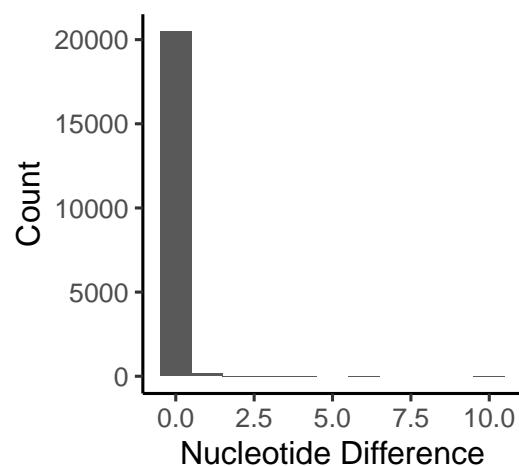
TRBV6-56*ap01

12561 sequences assigned
12394 (98.7%) exact matches, in which:
12128 unique CDR3
13 unique J



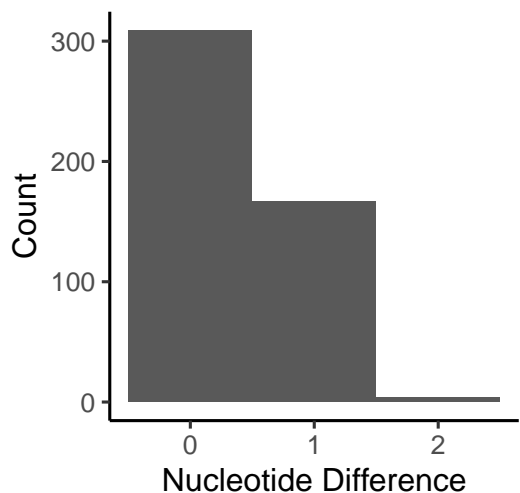
TRBV7-2*ap01

20651 sequences assigned
20486 (99.2%) exact matches, in which:
20143 unique CDR3
13 unique J



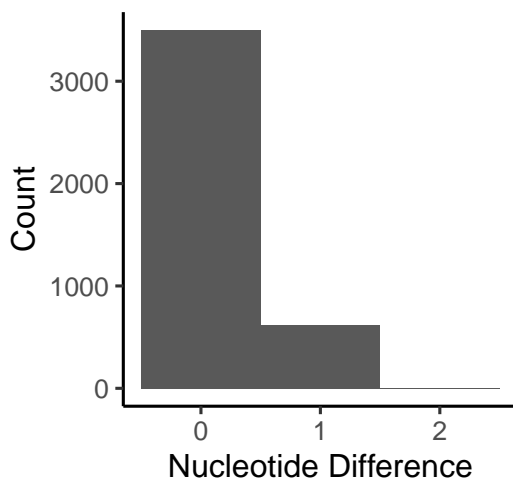
TRBV6-9*ap01

480 sequences assigned
309 (64.4%) exact matches, in which:
302 unique CDR3
13 unique J



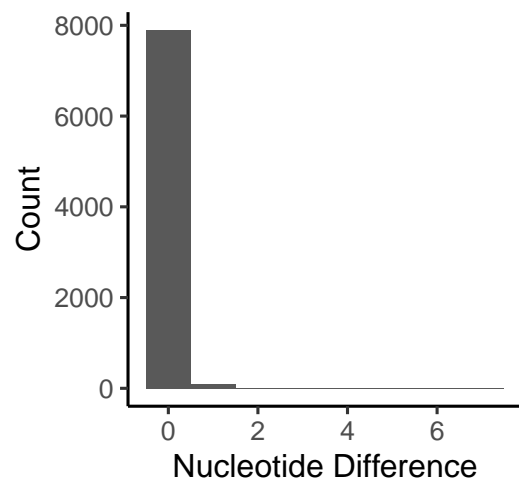
TRBV6-56*ap02

4122 sequences assigned
3500 (84.9%) exact matches, in which:
3418 unique CDR3
13 unique J



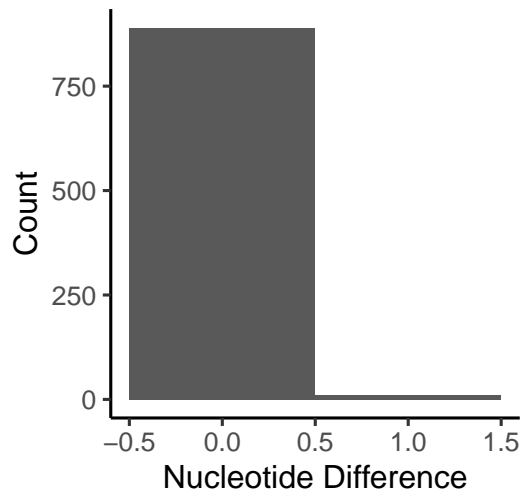
TRBV7-3*ap01

8002 sequences assigned
7896 (98.7%) exact matches, in which:
7798 unique CDR3
13 unique J



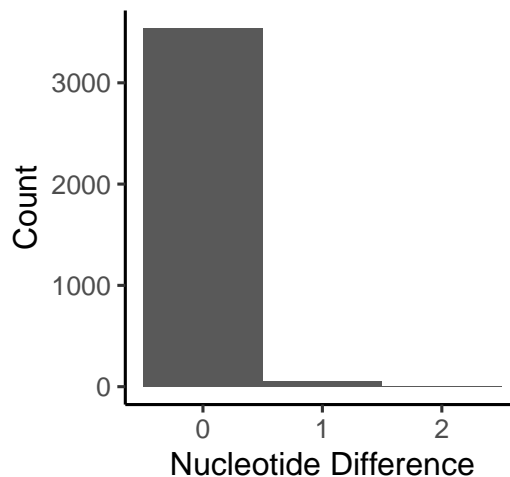
TRBV7-4*ap01

900 sequences assigned
890 (98.9%) exact matches, in which:
871 unique CDR3
13 unique J



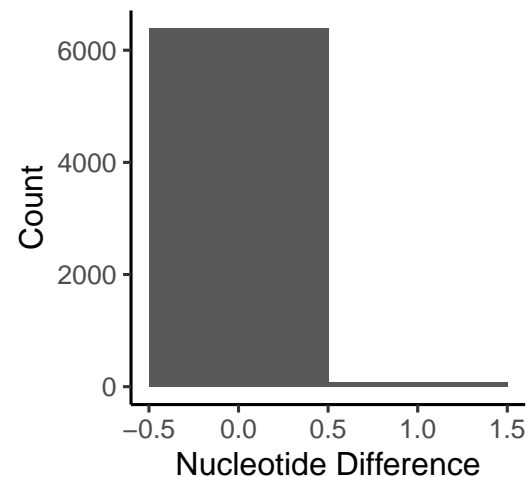
TRBV7-8*ap01

3592 sequences assigned
3537 (98.5%) exact matches, in which:
3464 unique CDR3
13 unique J



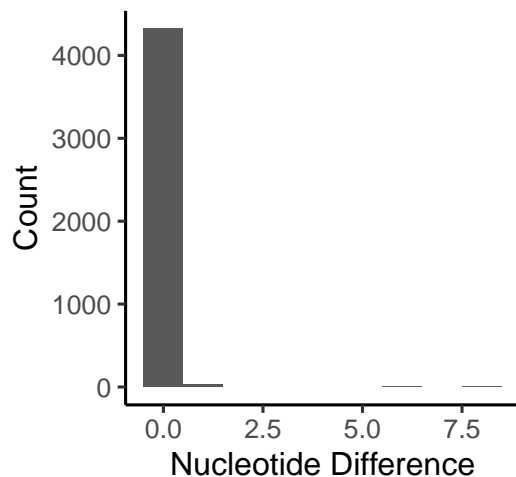
TRBV29-1*ap01

6472 sequences assigned
6389 (98.7%) exact matches, in which:
6297 unique CDR3
13 unique J



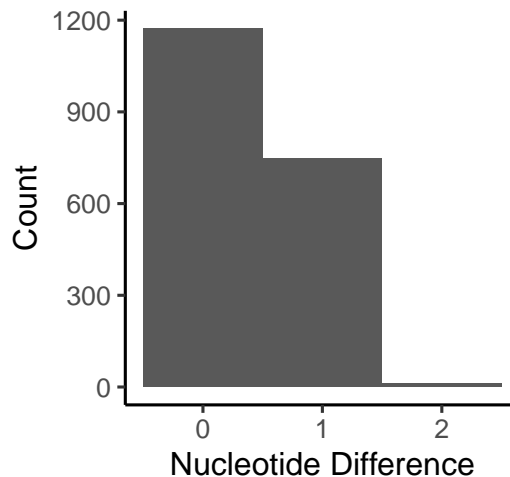
TRBV7-6*ap01

4360 sequences assigned
4322 (99.1%) exact matches, in which:
4234 unique CDR3
13 unique J



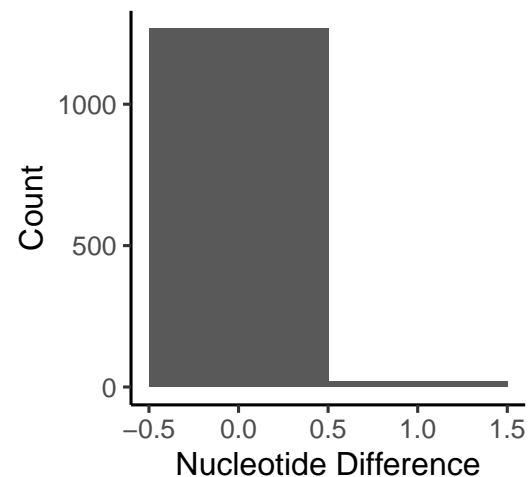
TRBV7-8*ap03

1930 sequences assigned
1172 (60.7%) exact matches, in which:
1146 unique CDR3
13 unique J



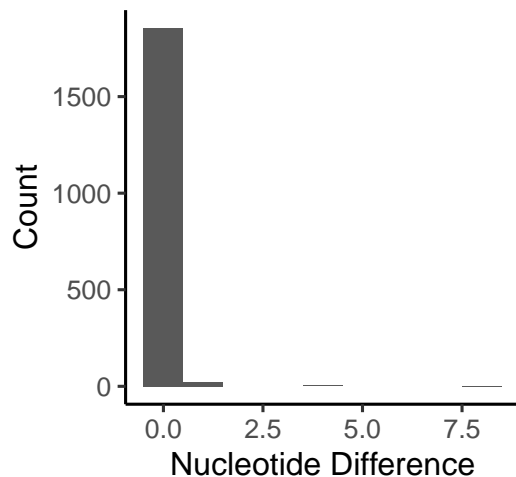
TRBV29-1*ap02

1287 sequences assigned
1267 (98.4%) exact matches, in which:
1240 unique CDR3
13 unique J



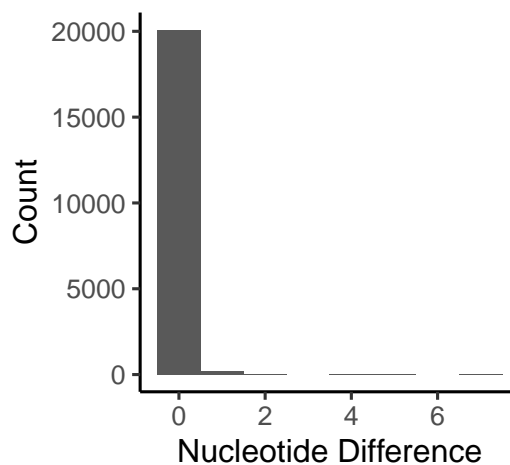
TRBV7-7*ap01_C315T

1882 sequences assigned
1855 (98.6%) exact matches, in which:
1825 unique CDR3
13 unique J

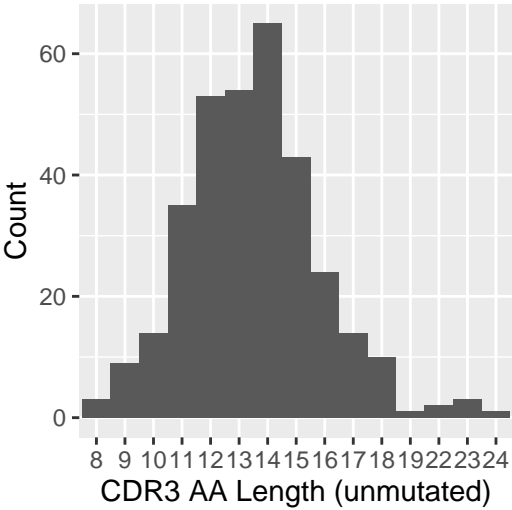


TRBV7-9*ap01

20303 sequences assigned
20089 (98.9%) exact matches, in which:
19787 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

