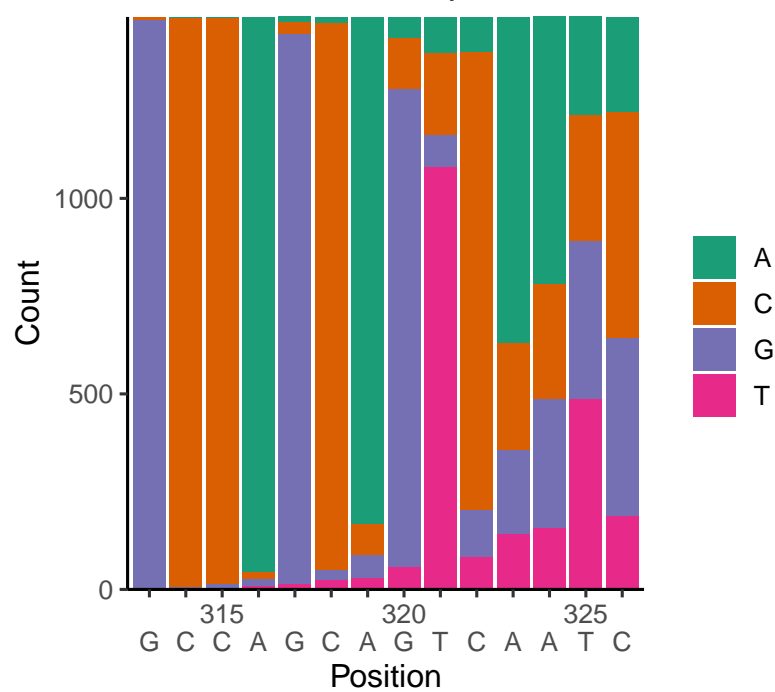
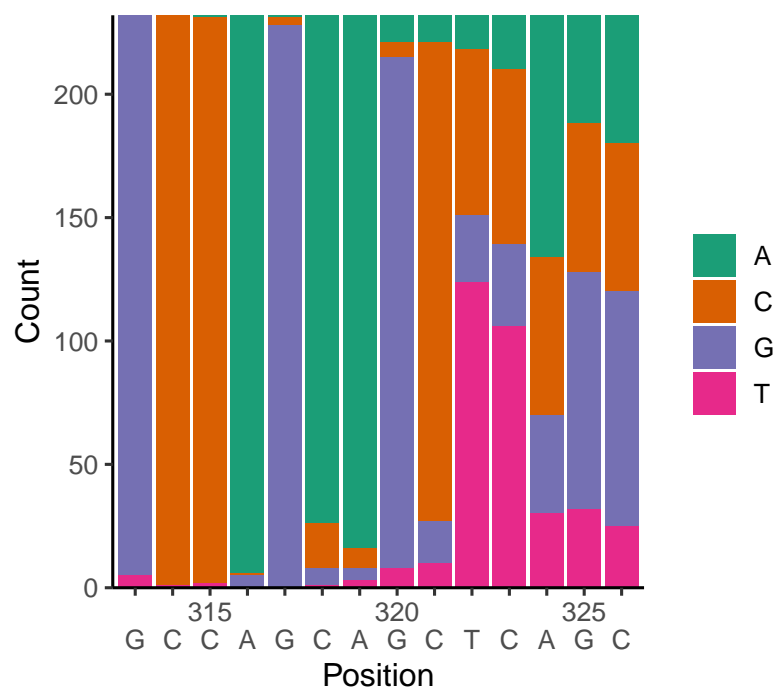


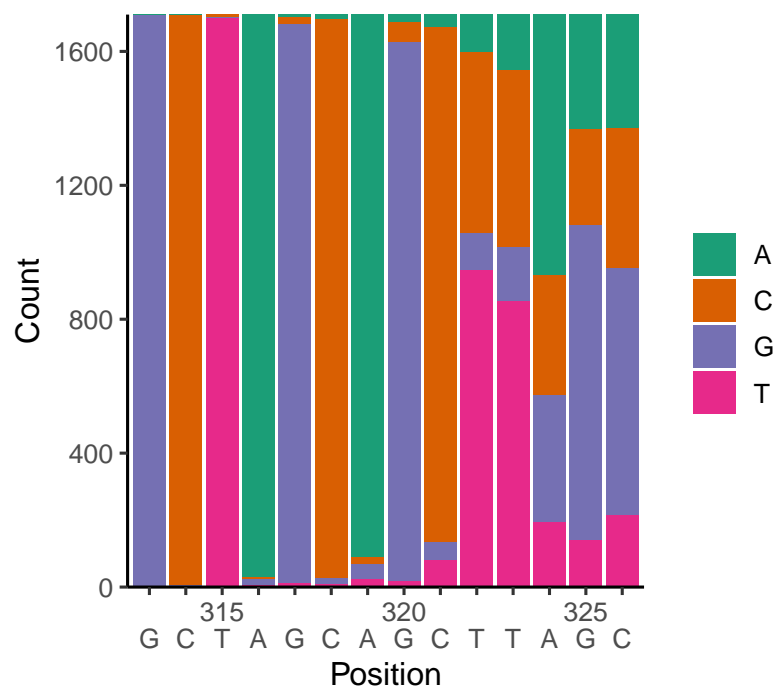
Gene TRBV23-1*ap01_T304C



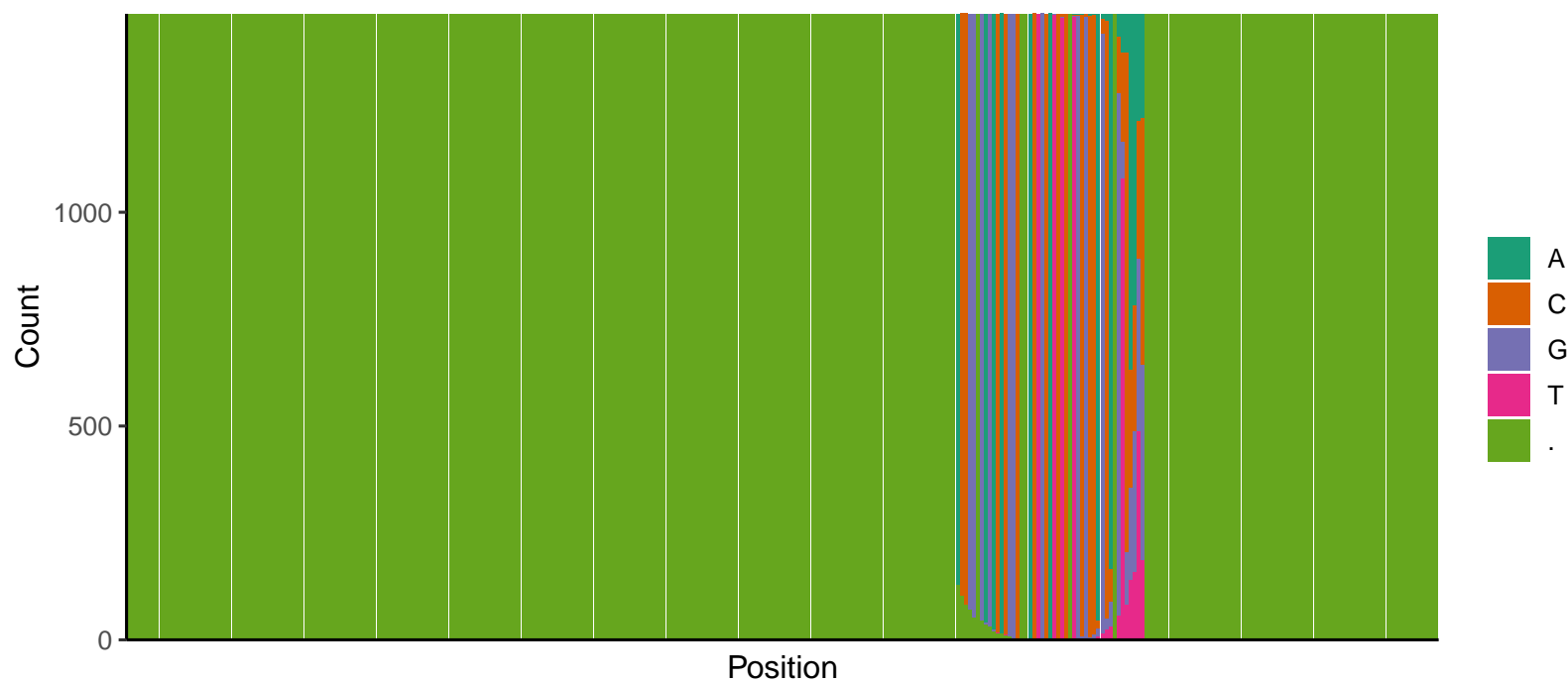
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



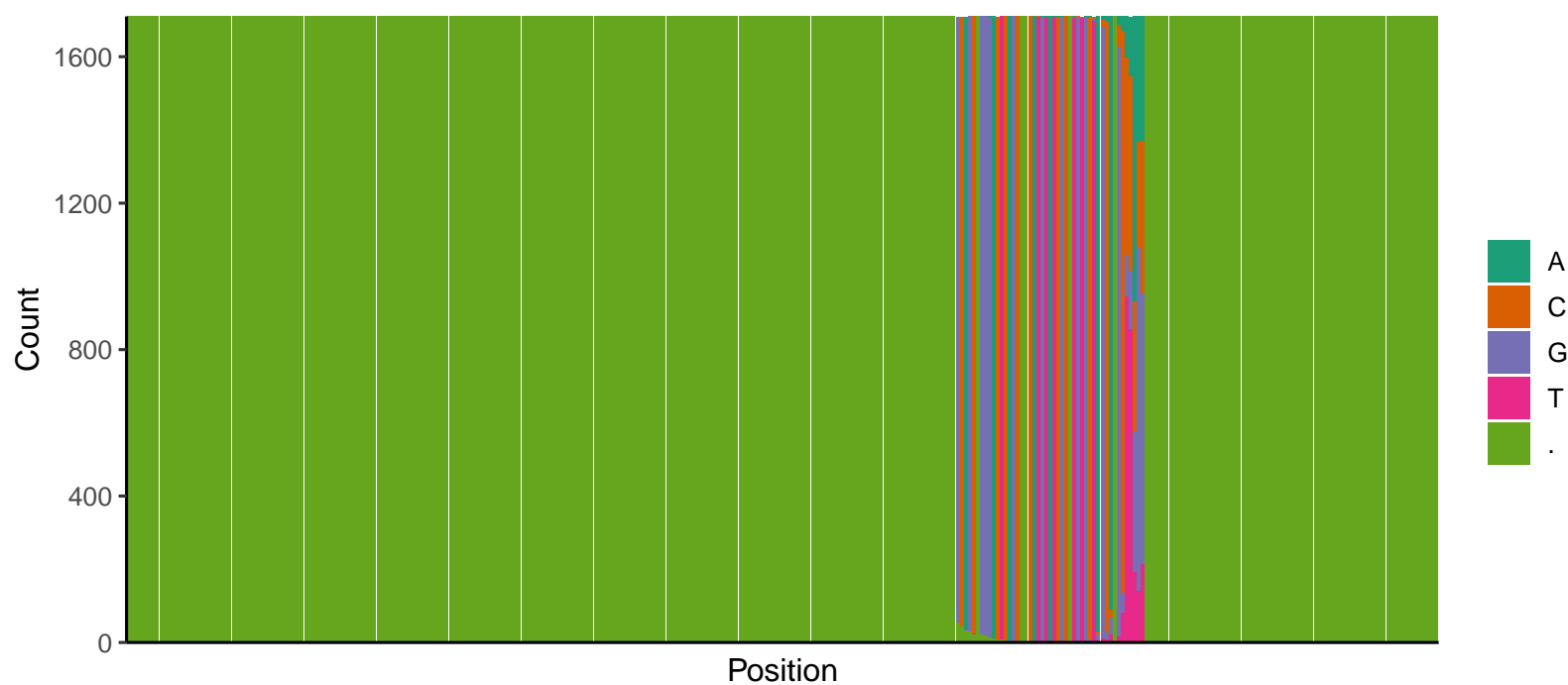
Gene TRBV23-1*ap01_T304C



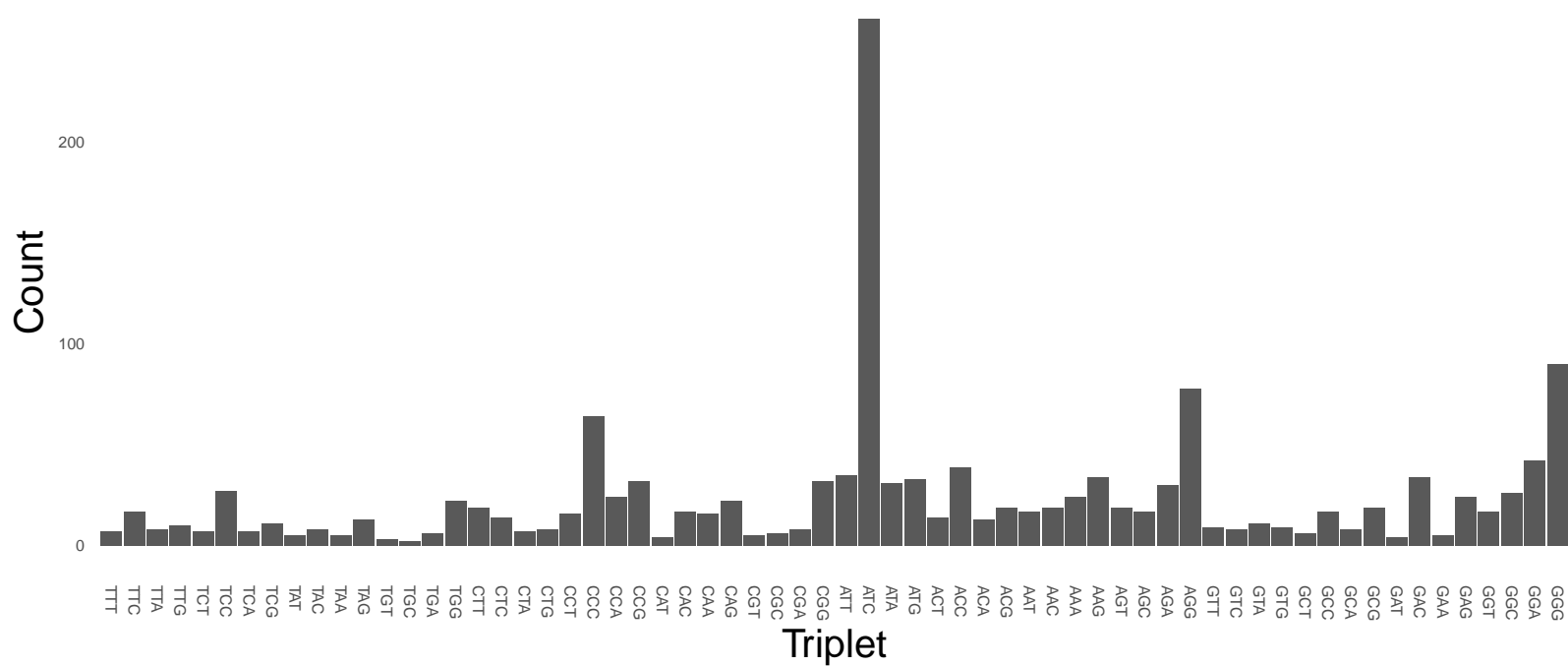
Gene TRBV7-1*ap01_G291C_T296C



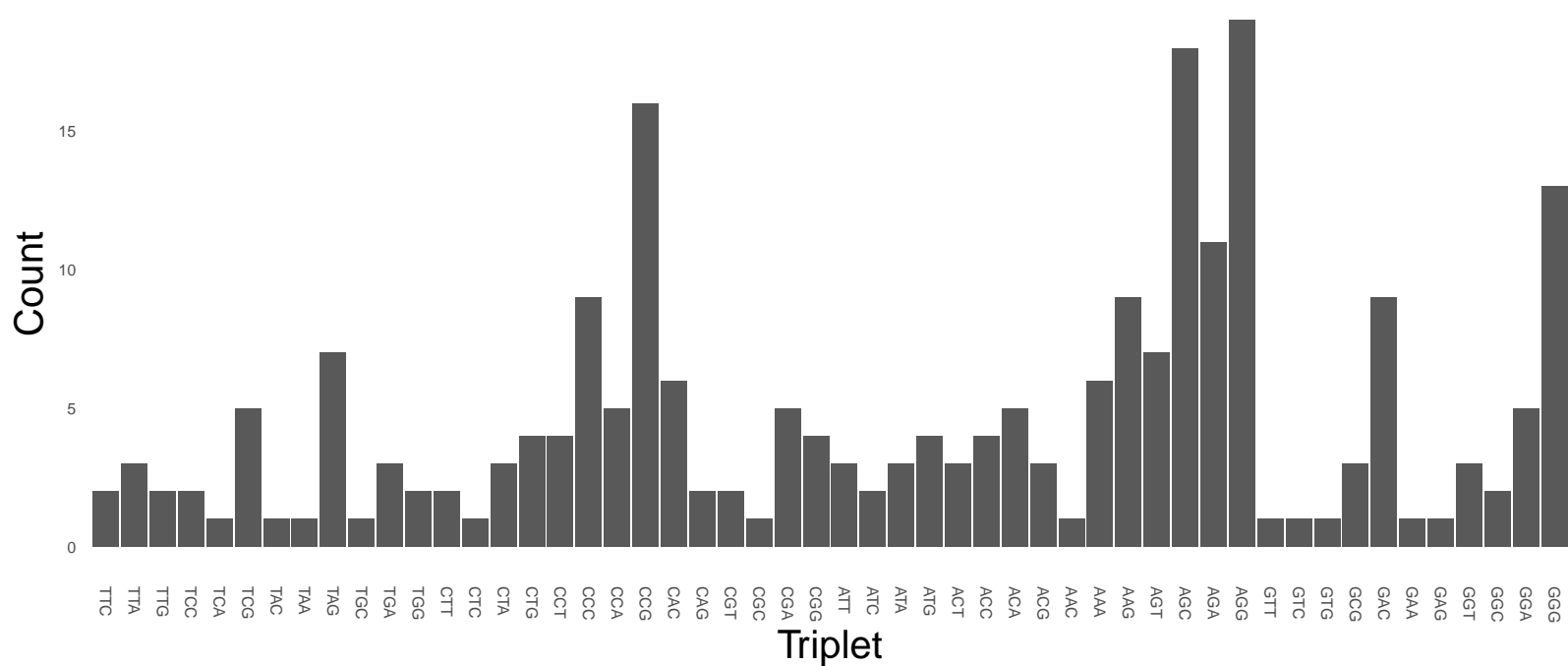
Gene TRBV7-7*ap01_C315T



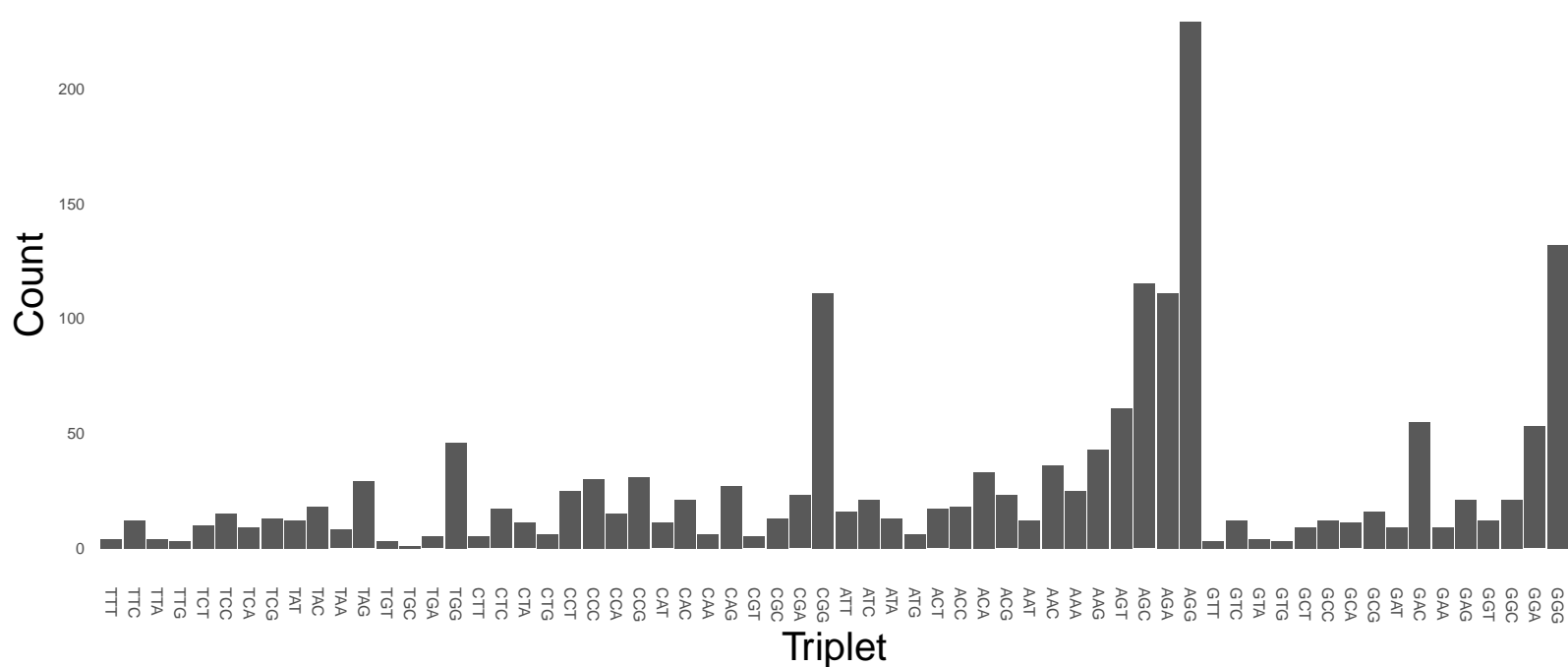
TRBV23–1*ap01_T304C– Final 3 nucleotides as a triplet



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

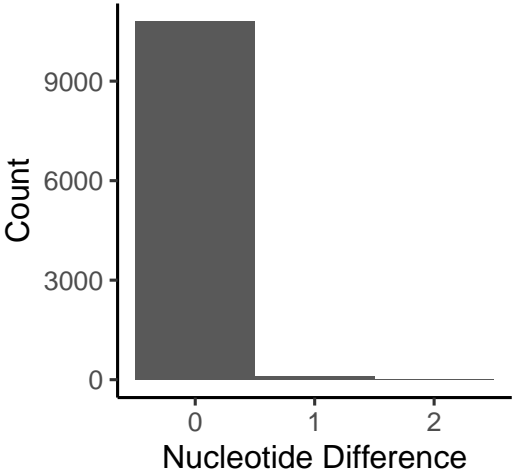


TRBV7–7*ap01_C315T– Final 3 nucleotides as a triplet



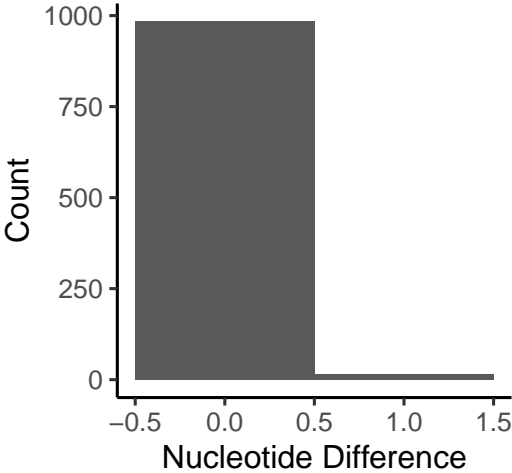
TRBV20-1*ap01

10919 sequences assigned
10801 (98.9%) exact matches, in which:
10647 unique CDR3
14 unique J



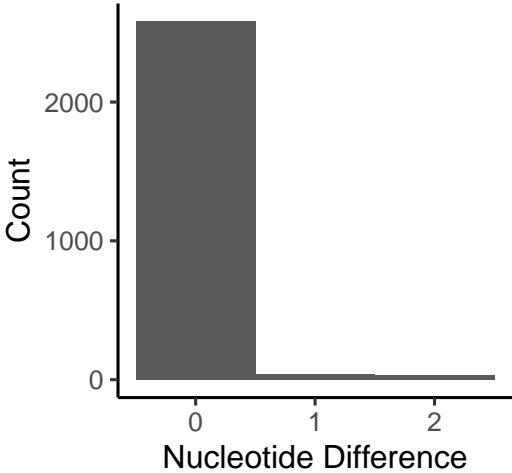
TRBV10-2*ap01

999 sequences assigned
984 (98.5%) exact matches, in which:
969 unique CDR3
13 unique J



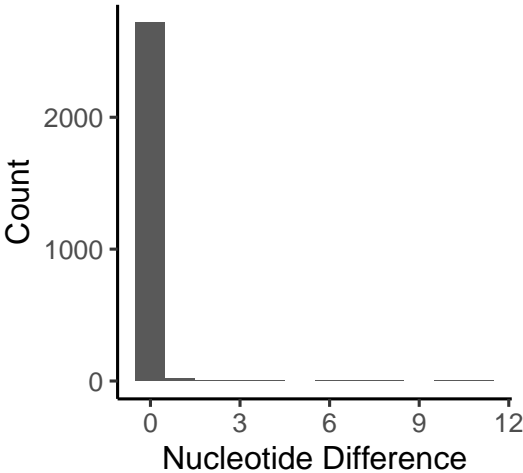
TRBV13*ap01

2654 sequences assigned
2581 (97.2%) exact matches, in which:
2502 unique CDR3
13 unique J



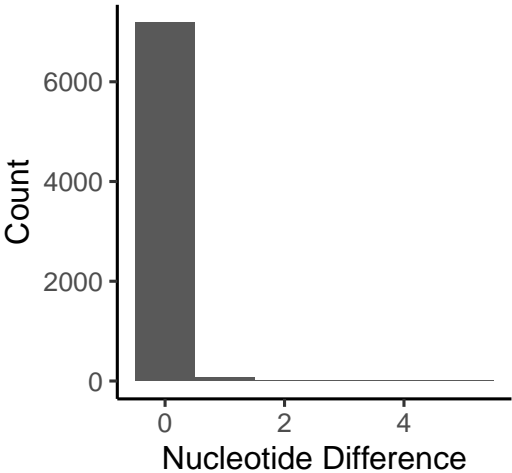
TRBV10-1*ap01

2747 sequences assigned
2717 (98.9%) exact matches, in which:
2634 unique CDR3
13 unique J



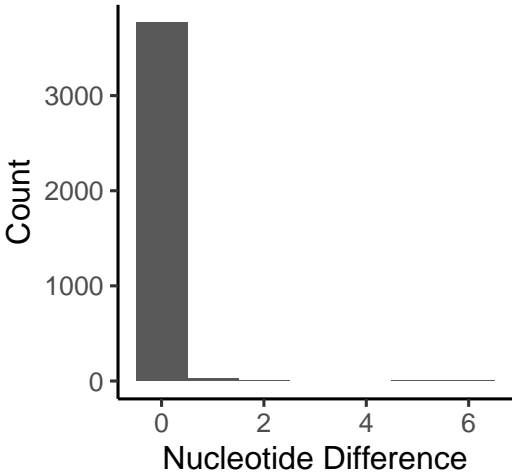
TRBV10-3*ap01

7272 sequences assigned
7184 (98.8%) exact matches, in which:
7039 unique CDR3
13 unique J



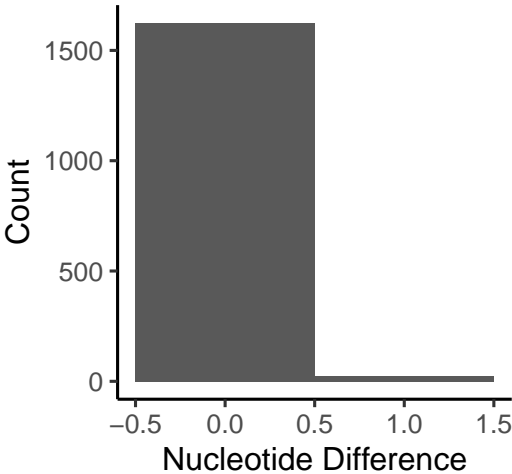
TRBV14*ap01

3796 sequences assigned
3766 (99.2%) exact matches, in which:
3711 unique CDR3
13 unique J



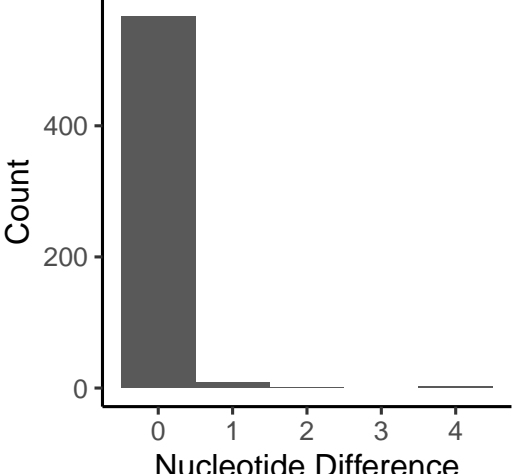
TRBV20-1*ap02

1648 sequences assigned
1624 (98.5%) exact matches, in which:
1598 unique CDR3
13 unique J



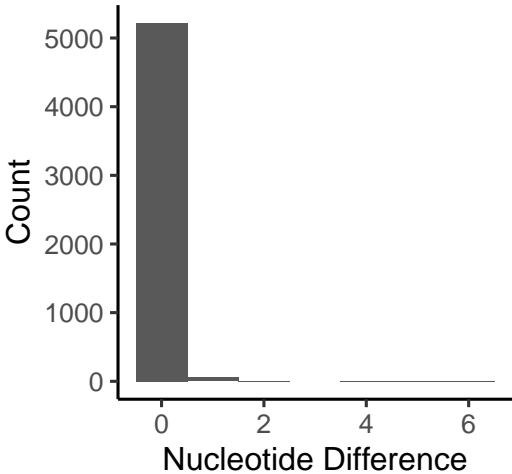
TRBV1*ap01

578 sequences assigned
567 (98.1%) exact matches, in which:
556 unique CDR3
13 unique J



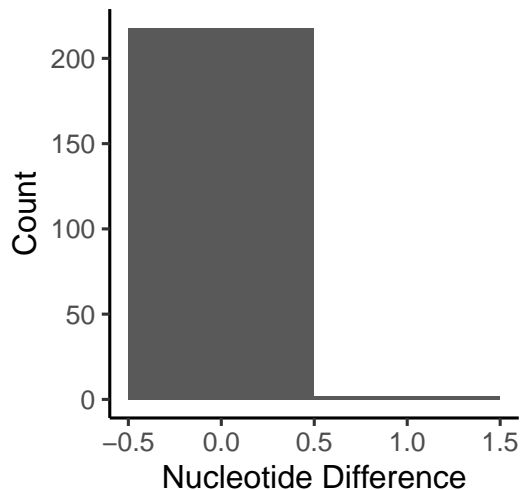
TRBV15*ap02

5282 sequences assigned
5218 (98.8%) exact matches, in which:
5093 unique CDR3
13 unique J



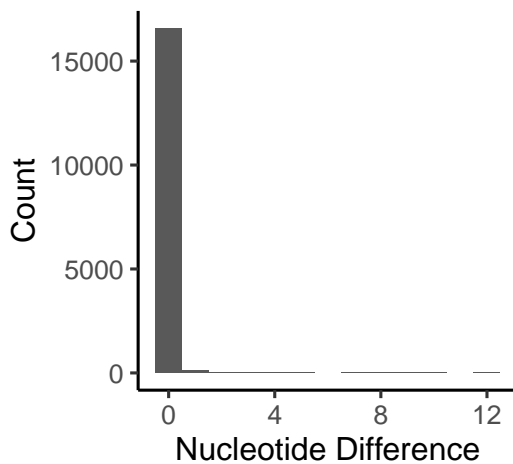
TRBV16*ap01

220 sequences assigned
218 (99.1%) exact matches, in which:
215 unique CDR3
13 unique J



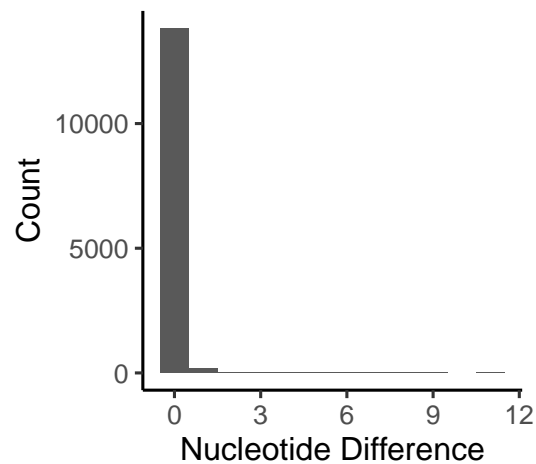
TRBV19*ap01

16742 sequences assigned
16585 (99.1%) exact matches, in which:
16411 unique CDR3
13 unique J



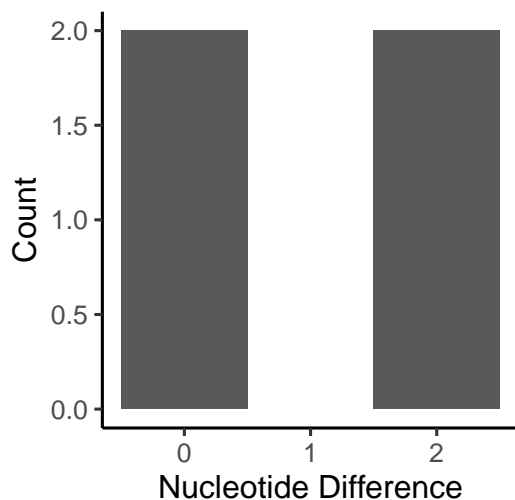
TRBV27*ap01

14011 sequences assigned
13826 (98.7%) exact matches, in which:
13457 unique CDR3
13 unique J



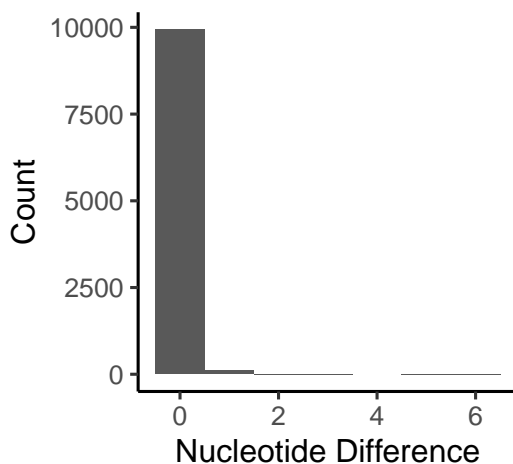
TRBV17*ap01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J



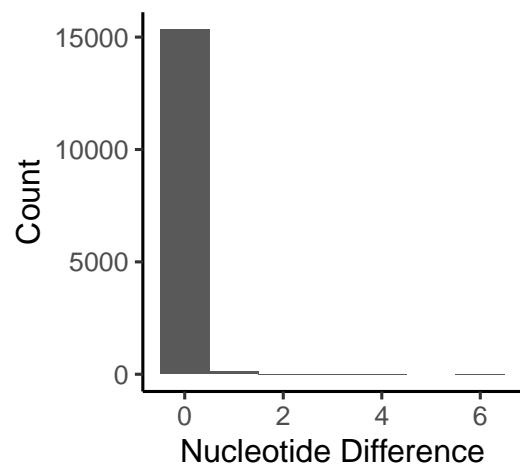
TRBV2*ap01

10049 sequences assigned
9939 (98.9%) exact matches, in which:
9752 unique CDR3
13 unique J



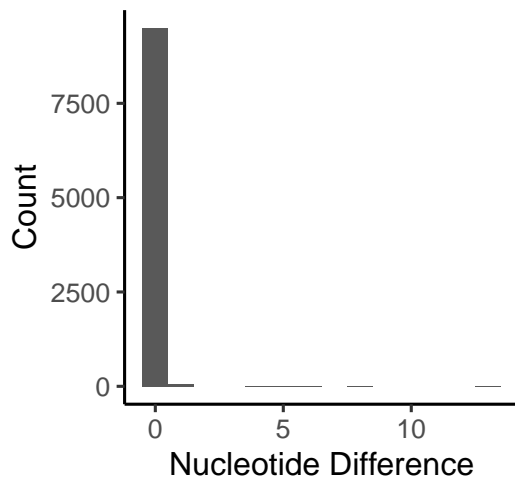
TRBV28*ap01

15480 sequences assigned
15340 (99.1%) exact matches, in which:
15034 unique CDR3
13 unique J



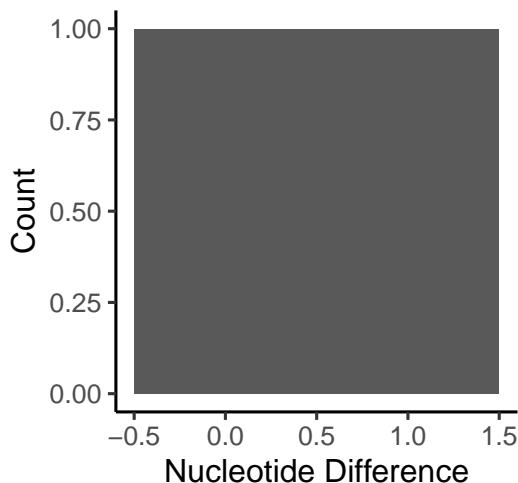
TRBV18*ap01

9564 sequences assigned
9495 (99.3%) exact matches, in which:
9397 unique CDR3
13 unique J



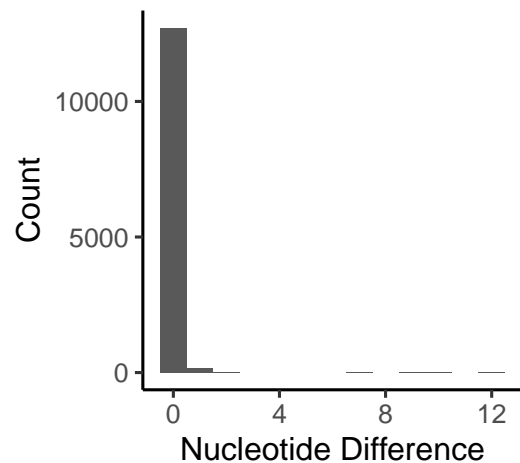
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



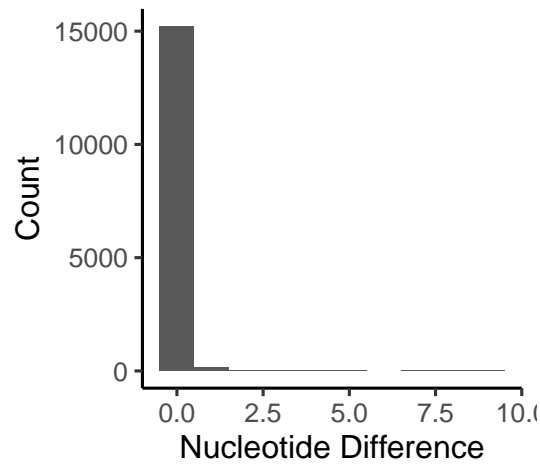
TRBV30*ap01

12906 sequences assigned
12717 (98.5%) exact matches, in which:
12511 unique CDR3
13 unique J



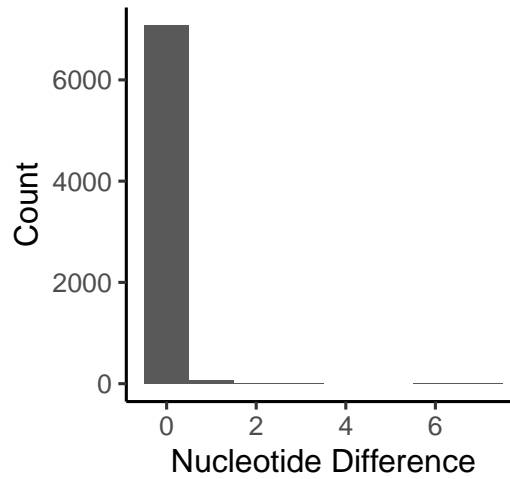
TRBV9*ap01

15400 sequences assigned
15220 (98.8%) exact matches, in which:
14938 unique CDR3
13 unique J



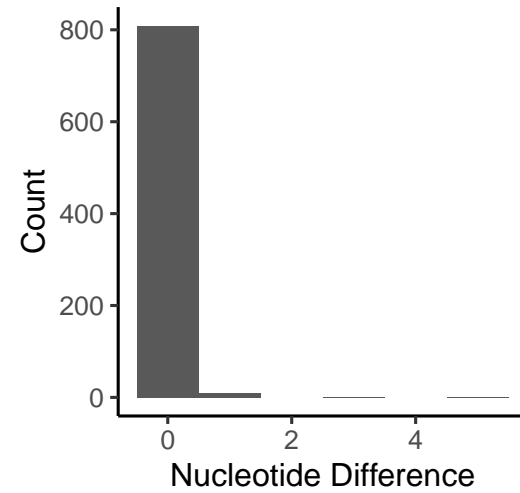
TRBV11-2*ap01

7154 sequences assigned
7076 (98.9%) exact matches, in which:
6946 unique CDR3
13 unique J



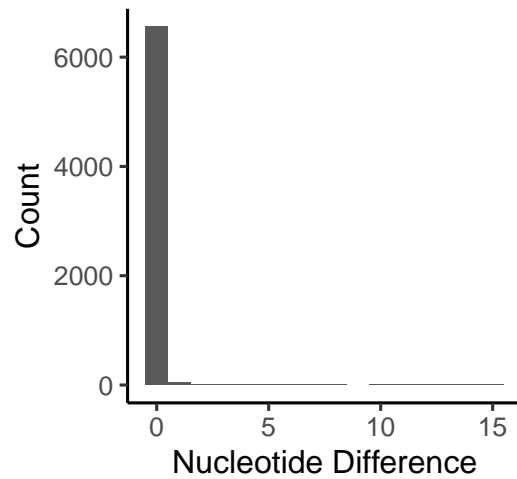
TRBV12-2*ap01

820 sequences assigned
809 (98.7%) exact matches, in which:
793 unique CDR3
13 unique J



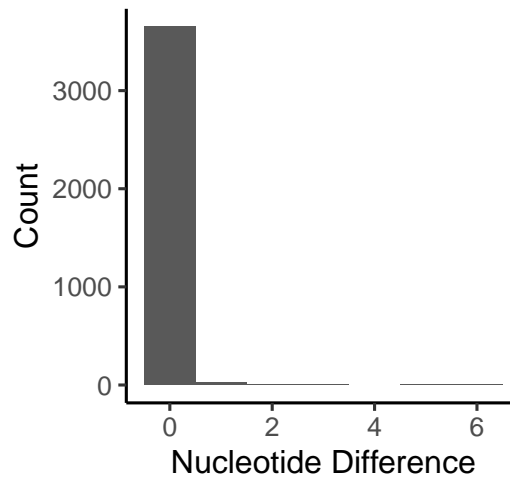
TRBV21-1*ap01

6650 sequences assigned
6557 (98.6%) exact matches, in which:
6470 unique CDR3
13 unique J



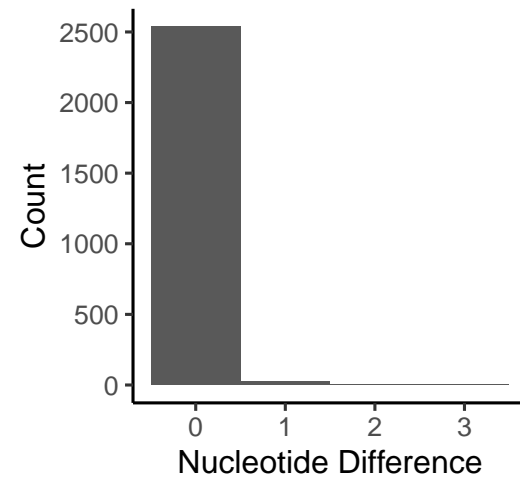
TRBV11-3*ap01

3685 sequences assigned
3651 (99.1%) exact matches, in which:
3595 unique CDR3
13 unique J



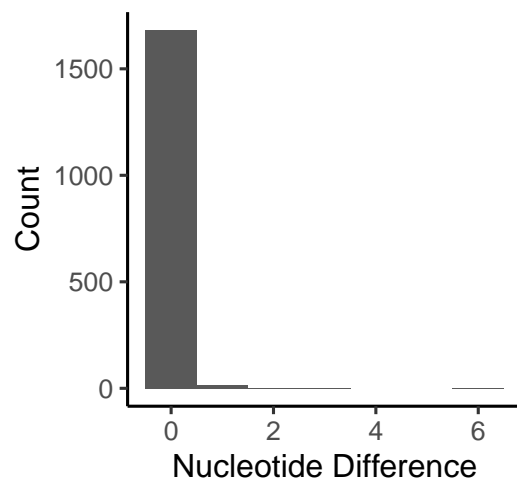
TRBV12-5*ap01

2565 sequences assigned
2537 (98.9%) exact matches, in which:
2486 unique CDR3
13 unique J



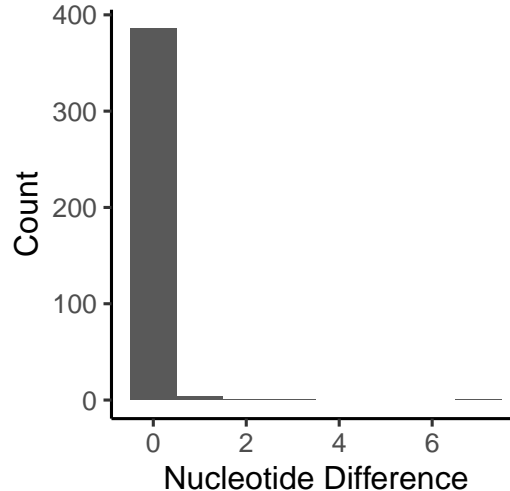
TRBV11-1*ap01

1702 sequences assigned
1682 (98.8%) exact matches, in which:
1652 unique CDR3
13 unique J



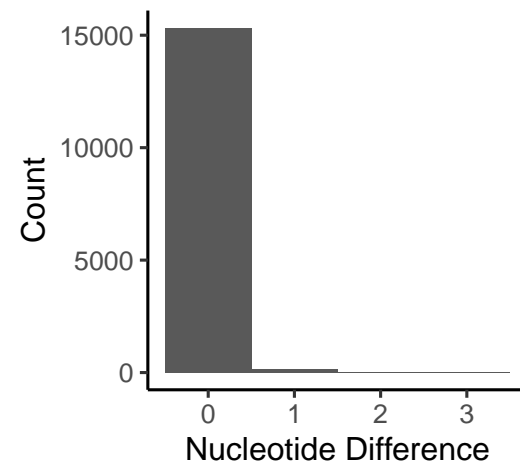
TRBV12-1*ap01

393 sequences assigned
386 (98.2%) exact matches, in which:
380 unique CDR3
13 unique J



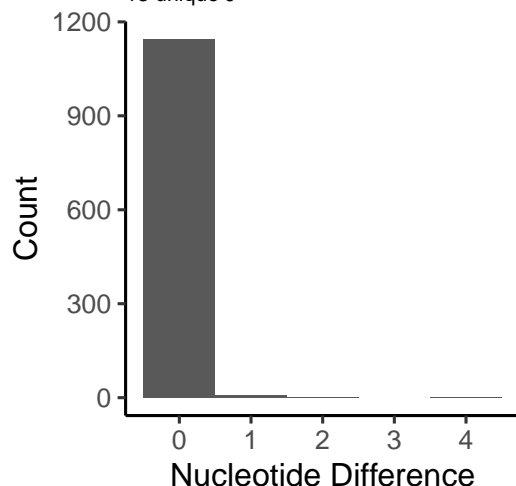
TRBV12-34*ap01

15497 sequences assigned
15330 (98.9%) exact matches, in which:
15036 unique CDR3
13 unique J



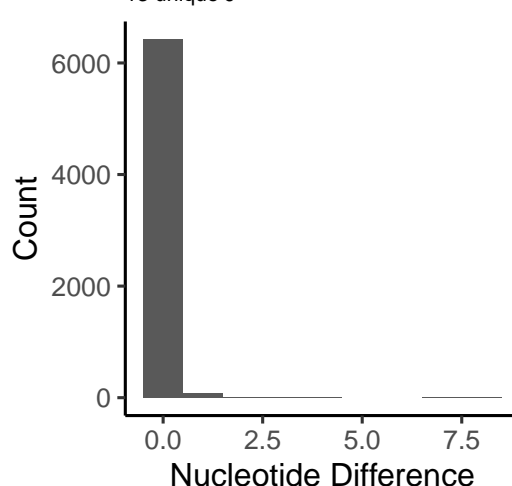
TRBV23-1*ap01

1155 sequences assigned
1144 (99%) exact matches, in which:
1122 unique CDR3
13 unique J



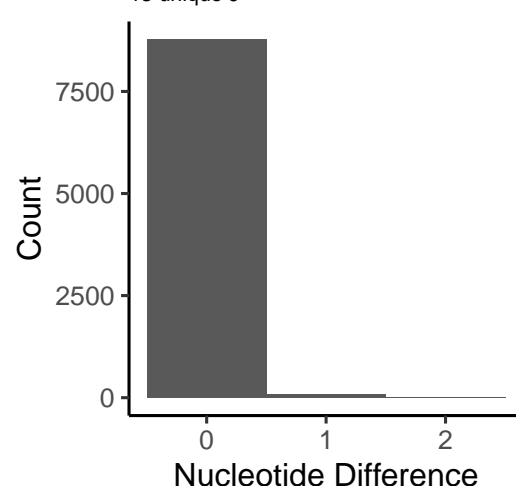
TRBV24-1*ap01

6520 sequences assigned
6422 (98.5%) exact matches, in which:
6321 unique CDR3
13 unique J



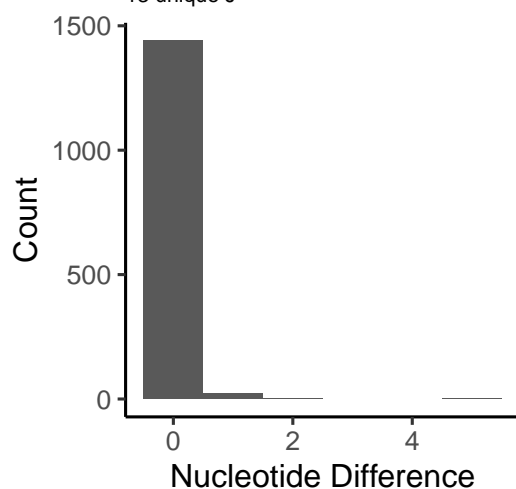
TRBV4-3*ap01

8861 sequences assigned
8774 (99%) exact matches, in which:
8583 unique CDR3
13 unique J



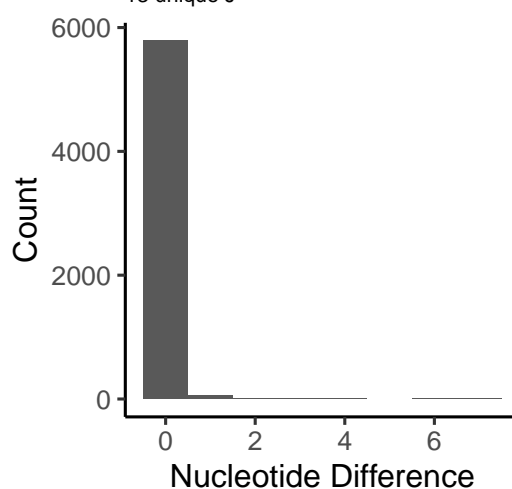
TRBV23-1*ap01_T304C

1464 sequences assigned
1440 (98.4%) exact matches, in which:
1412 unique CDR3
13 unique J



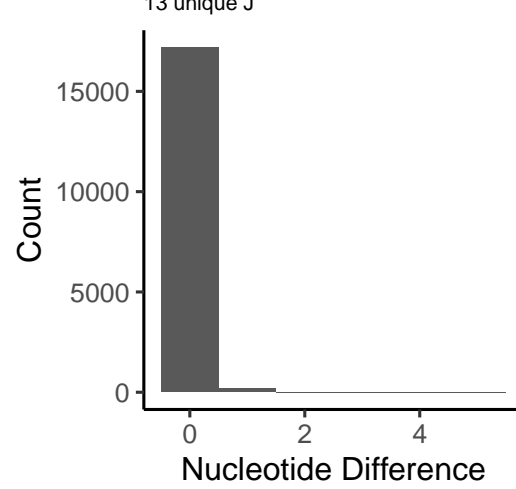
TRBV4-1*ap01

5857 sequences assigned
5787 (98.8%) exact matches, in which:
5641 unique CDR3
13 unique J



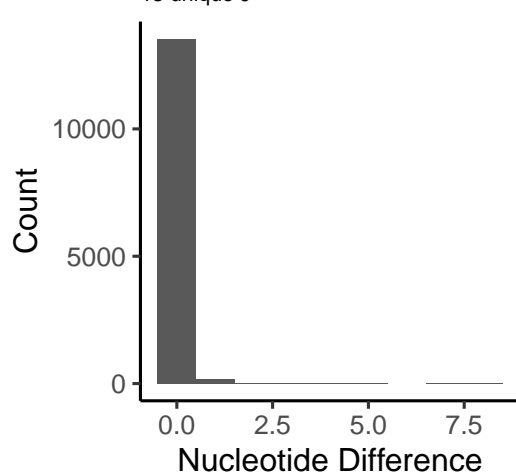
TRBV5-1*ap01

17377 sequences assigned
17188 (98.9%) exact matches, in which:
16749 unique CDR3
13 unique J



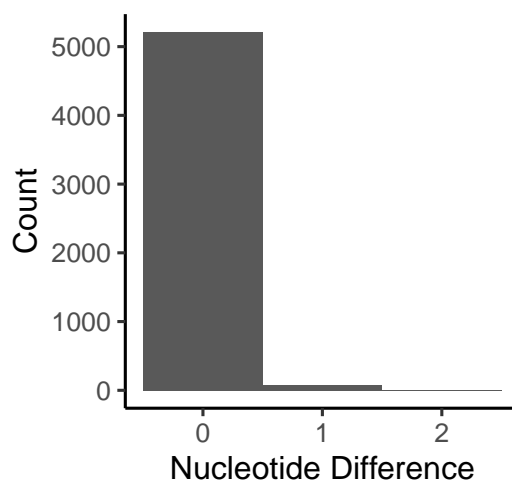
TRBV3-12*ap01

13751 sequences assigned
13539 (98.5%) exact matches, in which:
13250 unique CDR3
13 unique J



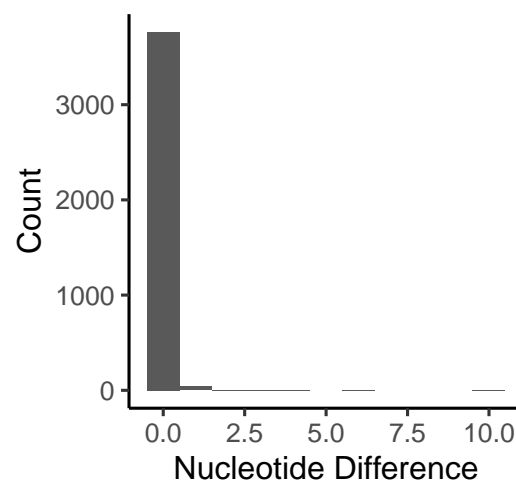
TRBV4-2*ap01

5295 sequences assigned
5212 (98.4%) exact matches, in which:
5107 unique CDR3
13 unique J



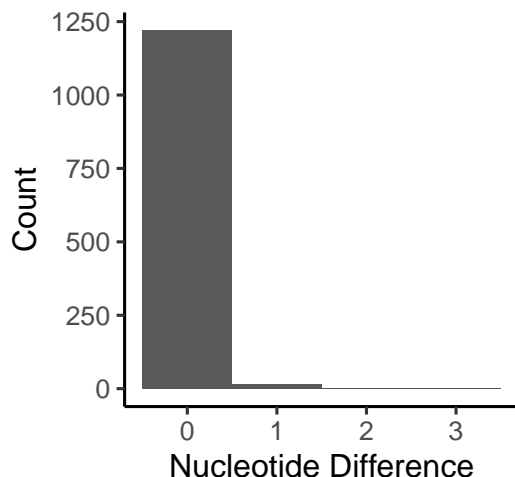
TRBV25-1*ap01

3814 sequences assigned
3763 (98.7%) exact matches, in which:
3675 unique CDR3
13 unique J



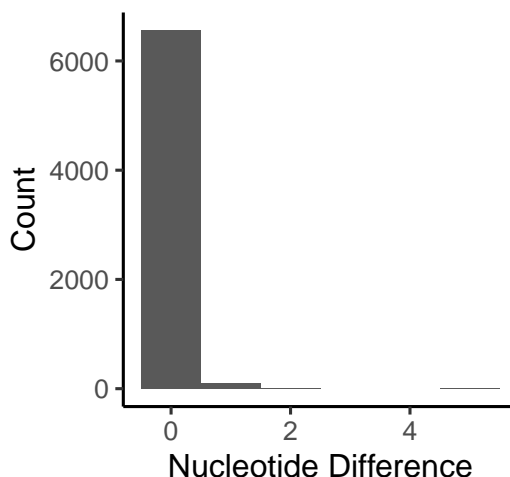
TRBV5-3*ap01

1243 sequences assigned
1220 (98.1%) exact matches, in which:
1206 unique CDR3
13 unique J



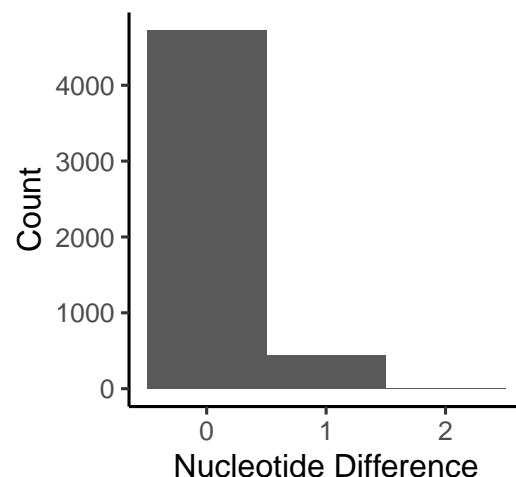
TRBV5-6*ap01

6657 sequences assigned
6559 (98.5%) exact matches, in which:
6374 unique CDR3
13 unique J



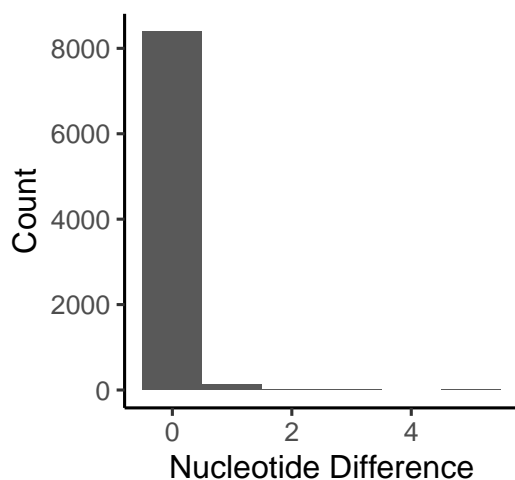
TRBV6-1*ap01

5167 sequences assigned
4723 (91.4%) exact matches, in which:
4615 unique CDR3
13 unique J



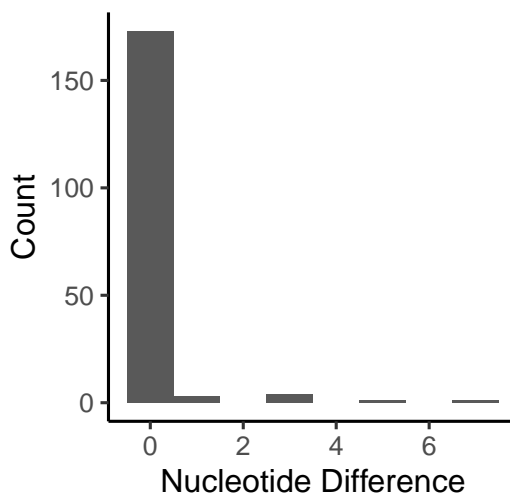
TRBV5-4*ap01

8528 sequences assigned
8389 (98.4%) exact matches, in which:
8199 unique CDR3
13 unique J



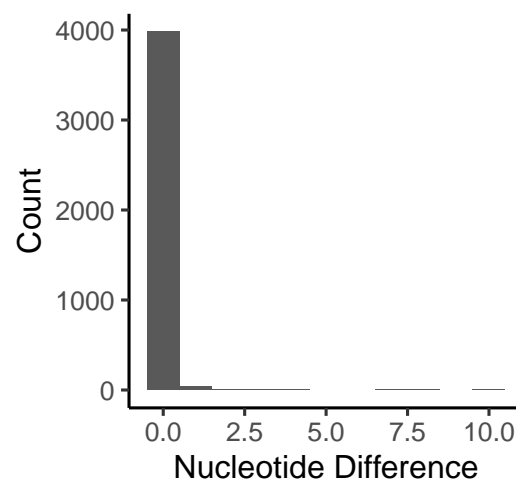
TRBV5-7*ap01

182 sequences assigned
173 (95.1%) exact matches, in which:
170 unique CDR3
13 unique J



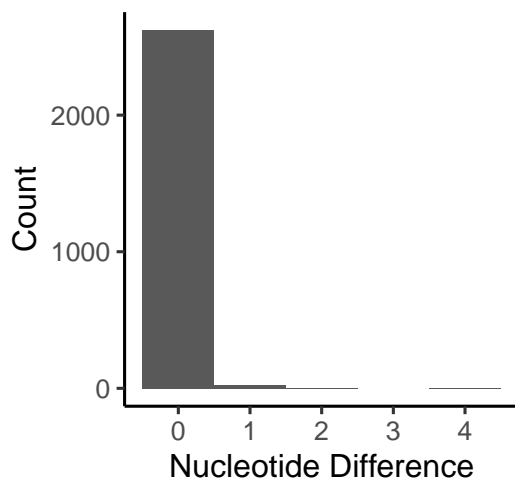
TRBV6-4*ap01

4043 sequences assigned
3981 (98.5%) exact matches, in which:
3914 unique CDR3
13 unique J



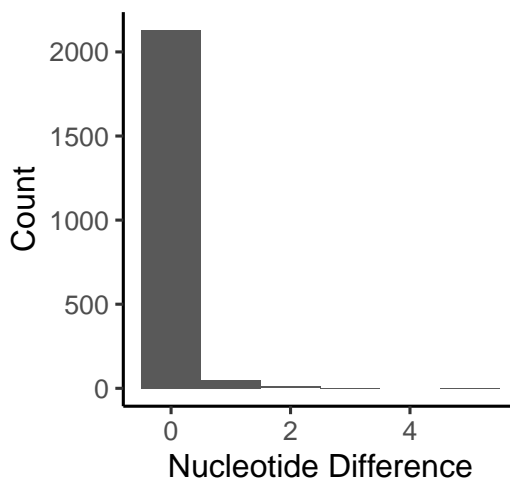
TRBV5-5*ap01

2651 sequences assigned
2623 (98.9%) exact matches, in which:
2598 unique CDR3
13 unique J



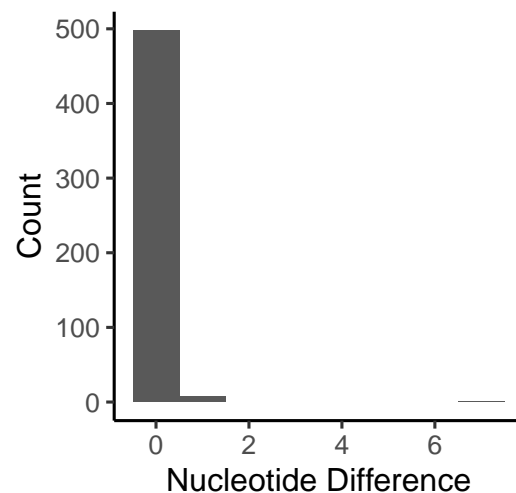
TRBV5-8*ap01

2191 sequences assigned
2130 (97.2%) exact matches, in which:
2091 unique CDR3
13 unique J



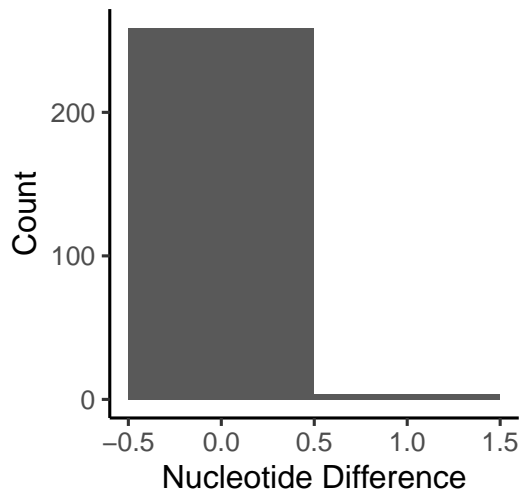
TRBV6-7*ap01

506 sequences assigned
498 (98.4%) exact matches, in which:
481 unique CDR3
13 unique J



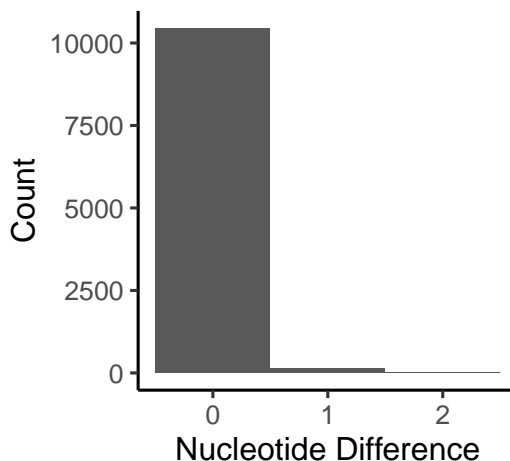
TRBV6-8*ap01

263 sequences assigned
259 (98.5%) exact matches, in which:
250 unique CDR3
13 unique J



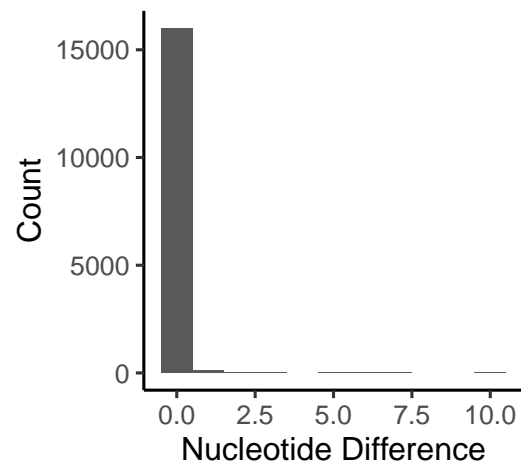
TRBV6-56*ap01

10581 sequences assigned
10450 (98.8%) exact matches, in which:
10175 unique CDR3
13 unique J



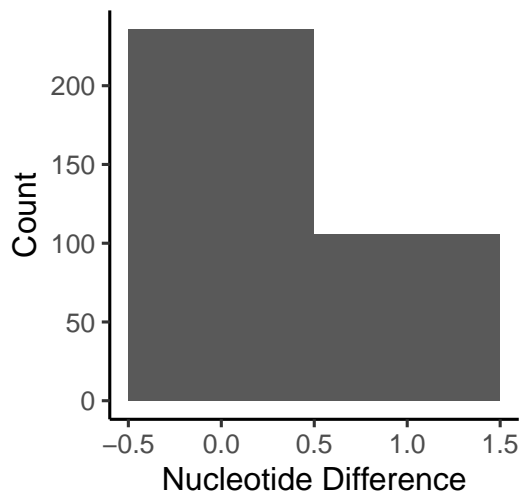
TRBV7-2*ap01

16135 sequences assigned
16004 (99.2%) exact matches, in which:
15752 unique CDR3
13 unique J



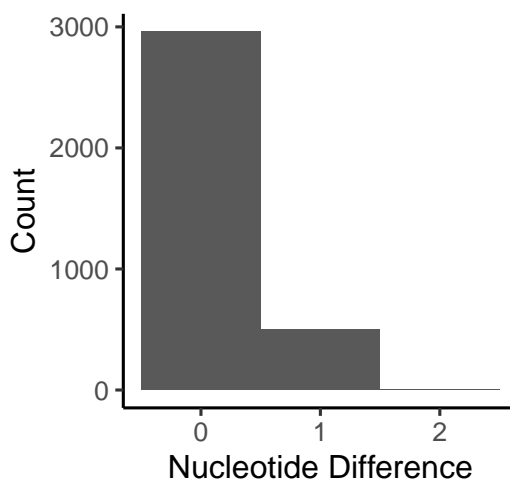
TRBV6-9*ap01

342 sequences assigned
236 (69%) exact matches, in which:
228 unique CDR3
13 unique J



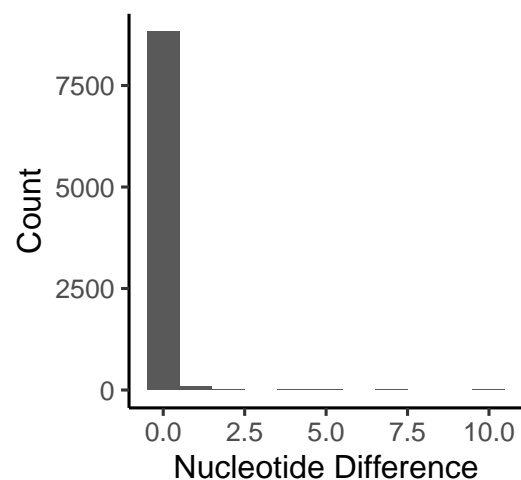
TRBV6-56*ap02

3467 sequences assigned
2960 (85.4%) exact matches, in which:
2884 unique CDR3
13 unique J



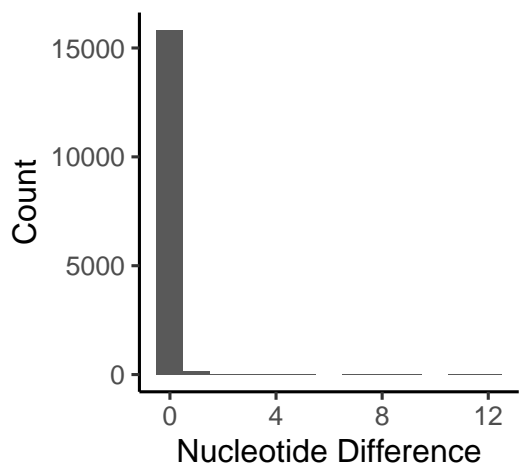
TRBV7-3*ap01

8909 sequences assigned
8825 (99.1%) exact matches, in which:
8701 unique CDR3
13 unique J



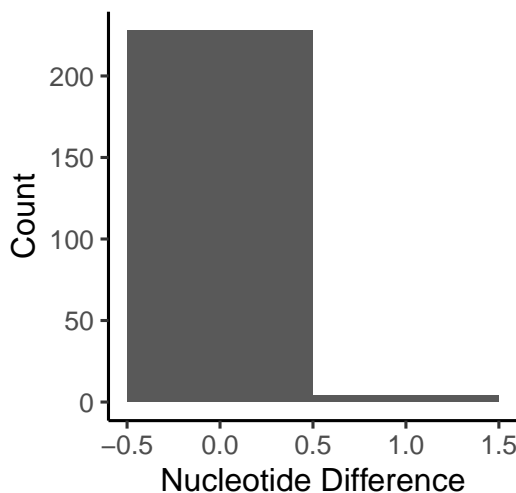
TRBV6-23*ap01

16022 sequences assigned
15836 (98.8%) exact matches, in which:
15396 unique CDR3
13 unique J



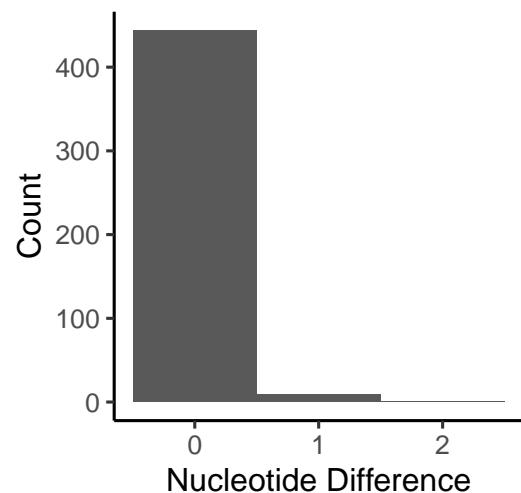
TRBV7-1*ap01_G291C_

232 sequences assigned
228 (98.3%) exact matches, in which:
226 unique CDR3
13 unique J



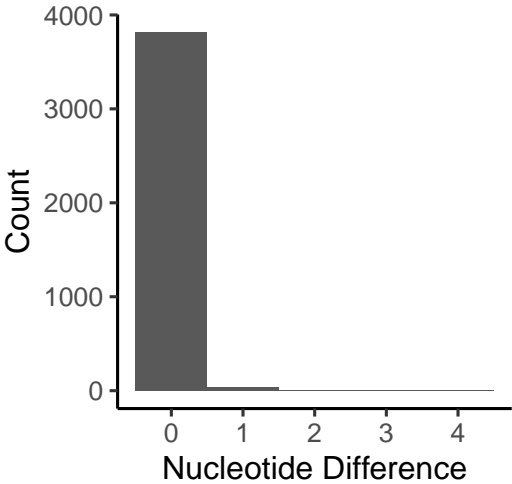
TRBV7-4*ap01

454 sequences assigned
444 (97.8%) exact matches, in which:
431 unique CDR3
13 unique J



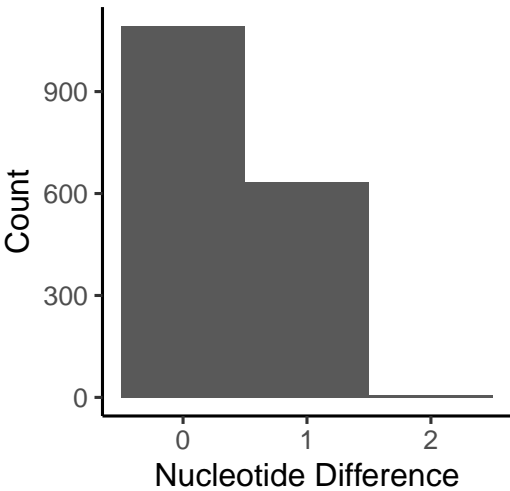
TRBV7-6*ap01

3856 sequences assigned
3814 (98.9%) exact matches, in which:
3723 unique CDR3
13 unique J



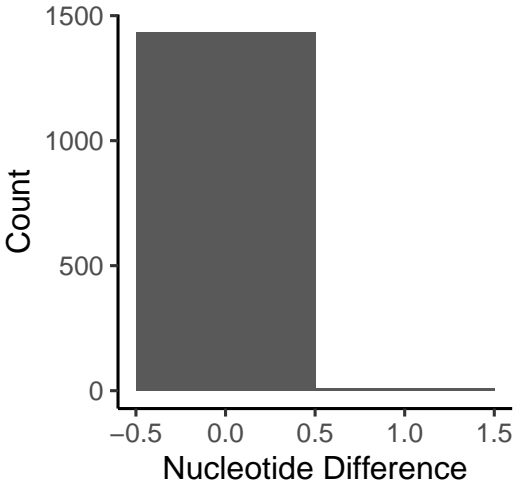
TRBV7-8*ap03

1735 sequences assigned
1094 (63.1%) exact matches, in which:
1068 unique CDR3
13 unique J



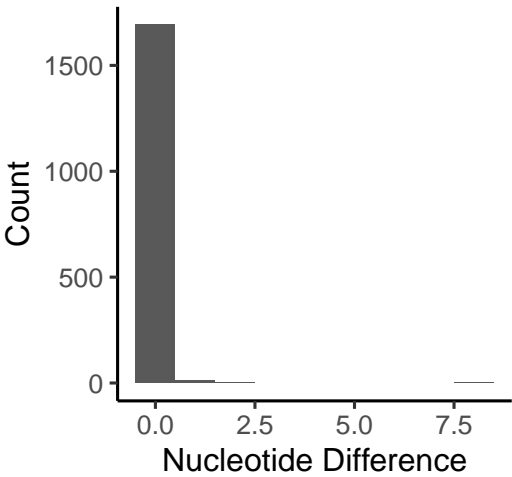
TRBV29-1*ap02

1444 sequences assigned
1433 (99.2%) exact matches, in which:
1401 unique CDR3
13 unique J



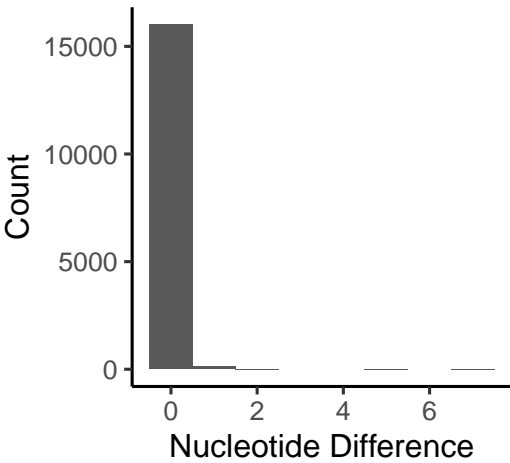
TRBV7-7*ap01_C315T

1710 sequences assigned
1692 (98.9%) exact matches, in which:
1666 unique CDR3
13 unique J



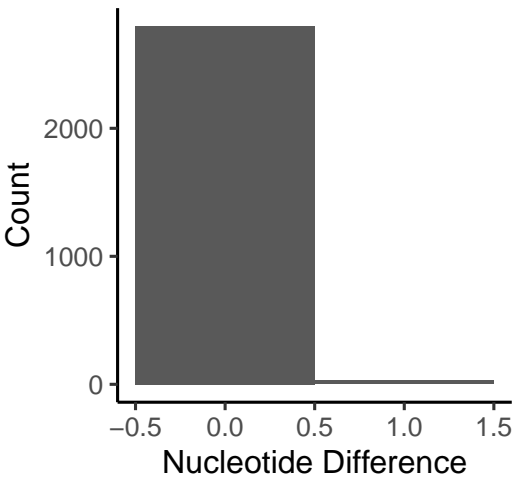
TRBV7-9*ap01

16142 sequences assigned
16017 (99.2%) exact matches, in which:
15766 unique CDR3
13 unique J



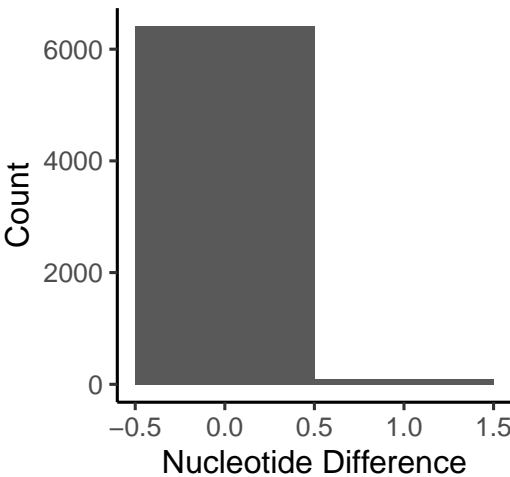
TRBV7-8*ap01

2828 sequences assigned
2799 (99%) exact matches, in which:
2739 unique CDR3
13 unique J

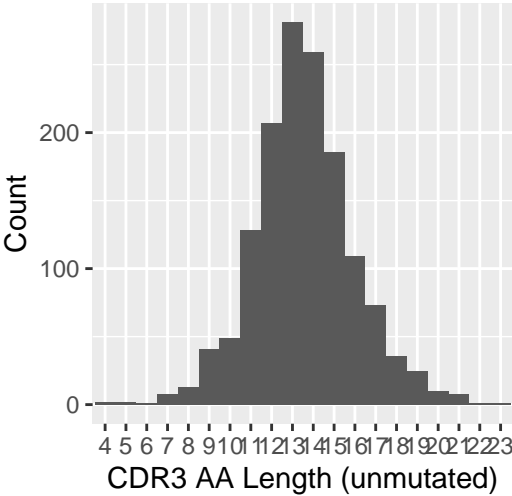


TRBV29-1*ap01

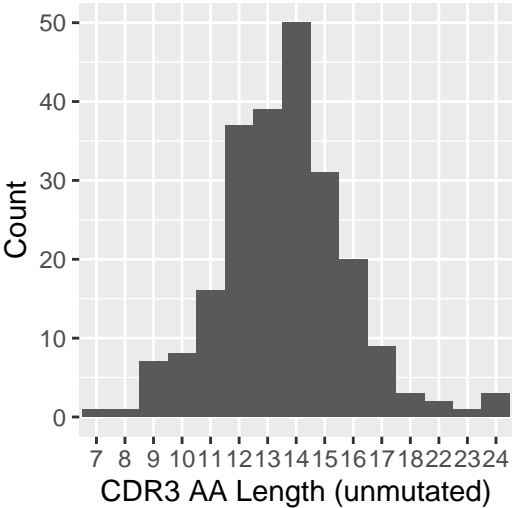
6513 sequences assigned
6414 (98.5%) exact matches, in which:
6271 unique CDR3
13 unique J



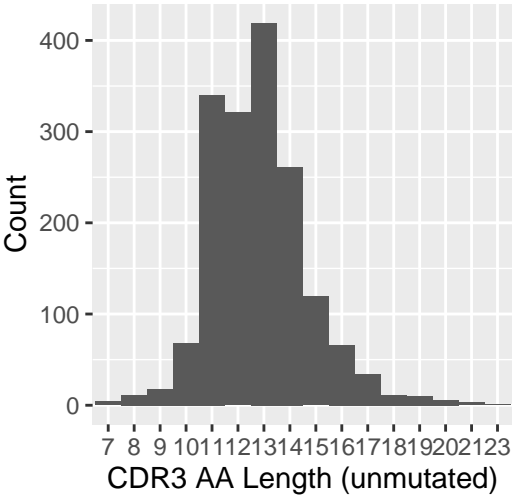
TRBV23-1*ap01_T304C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.