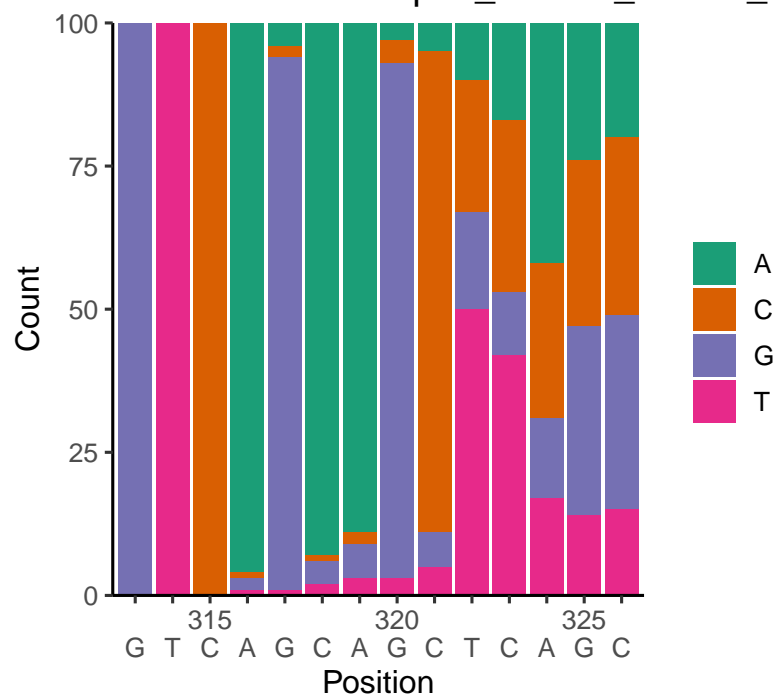
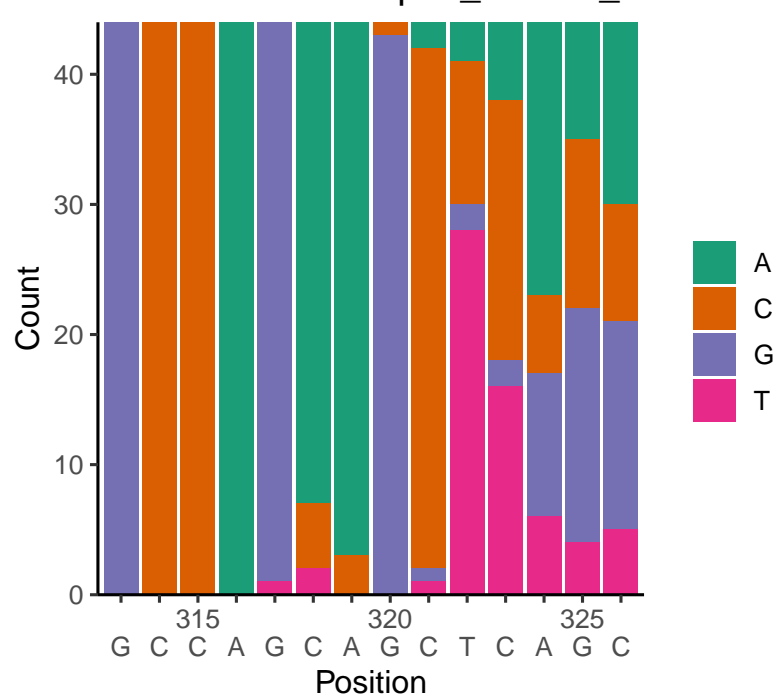


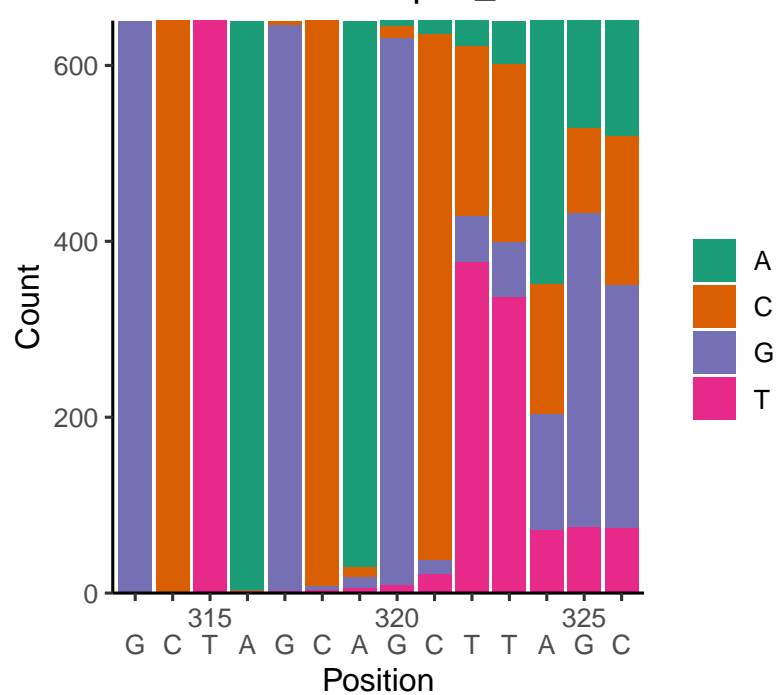
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



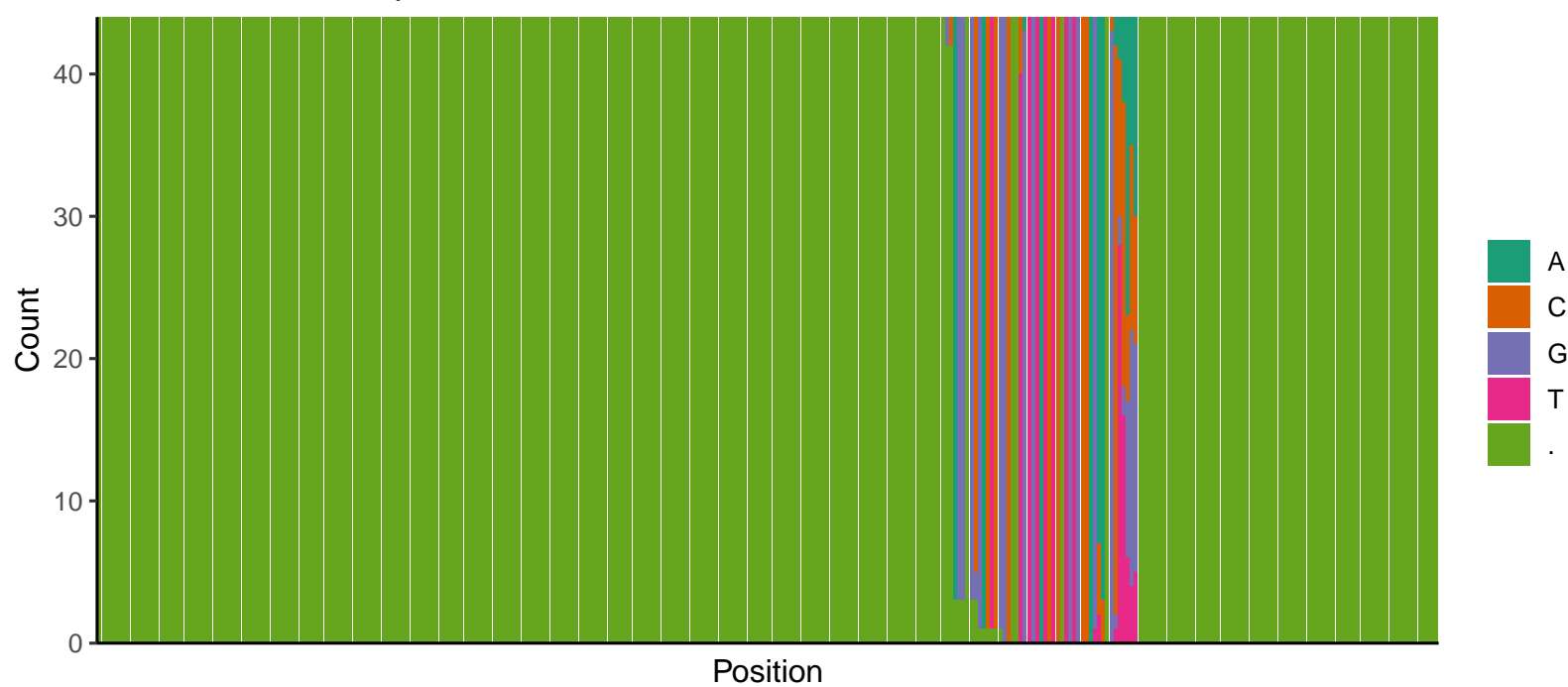
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



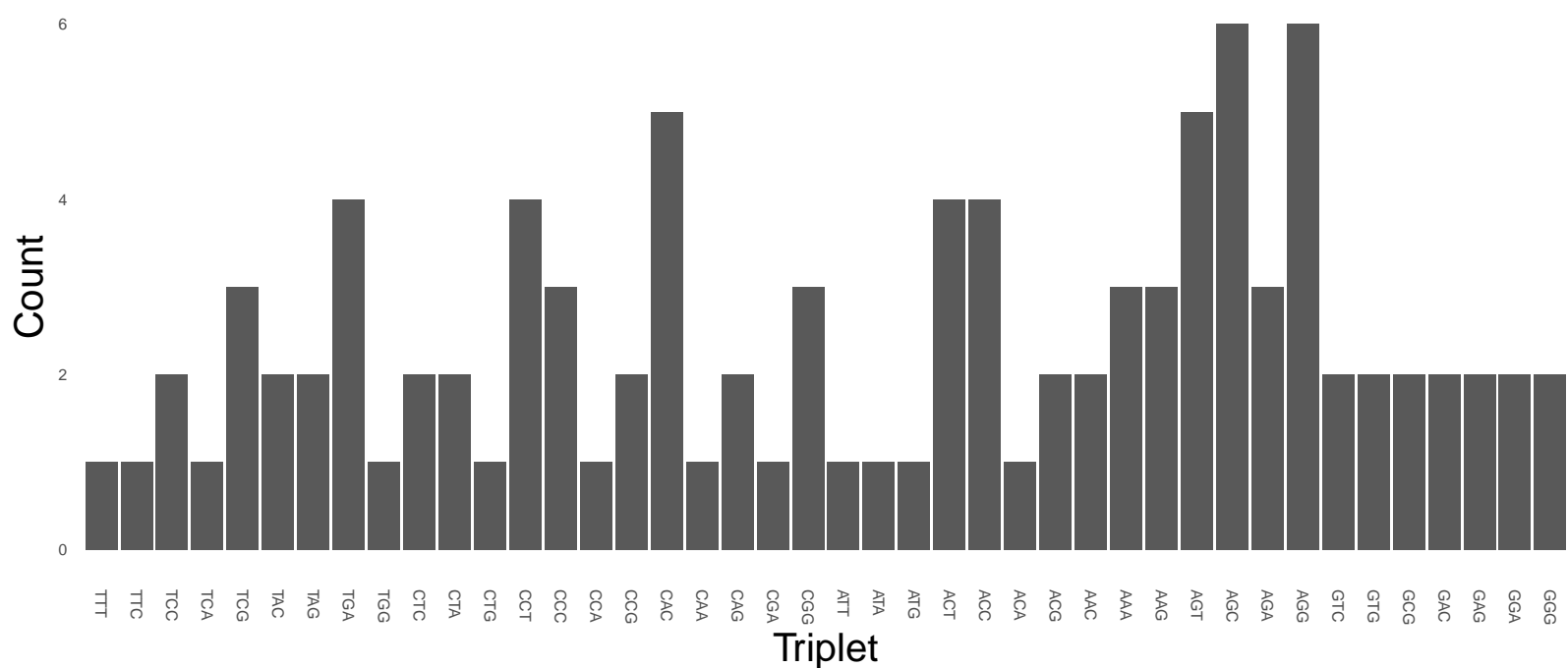
Gene TRBV7-1*ap01_G291C_T296C



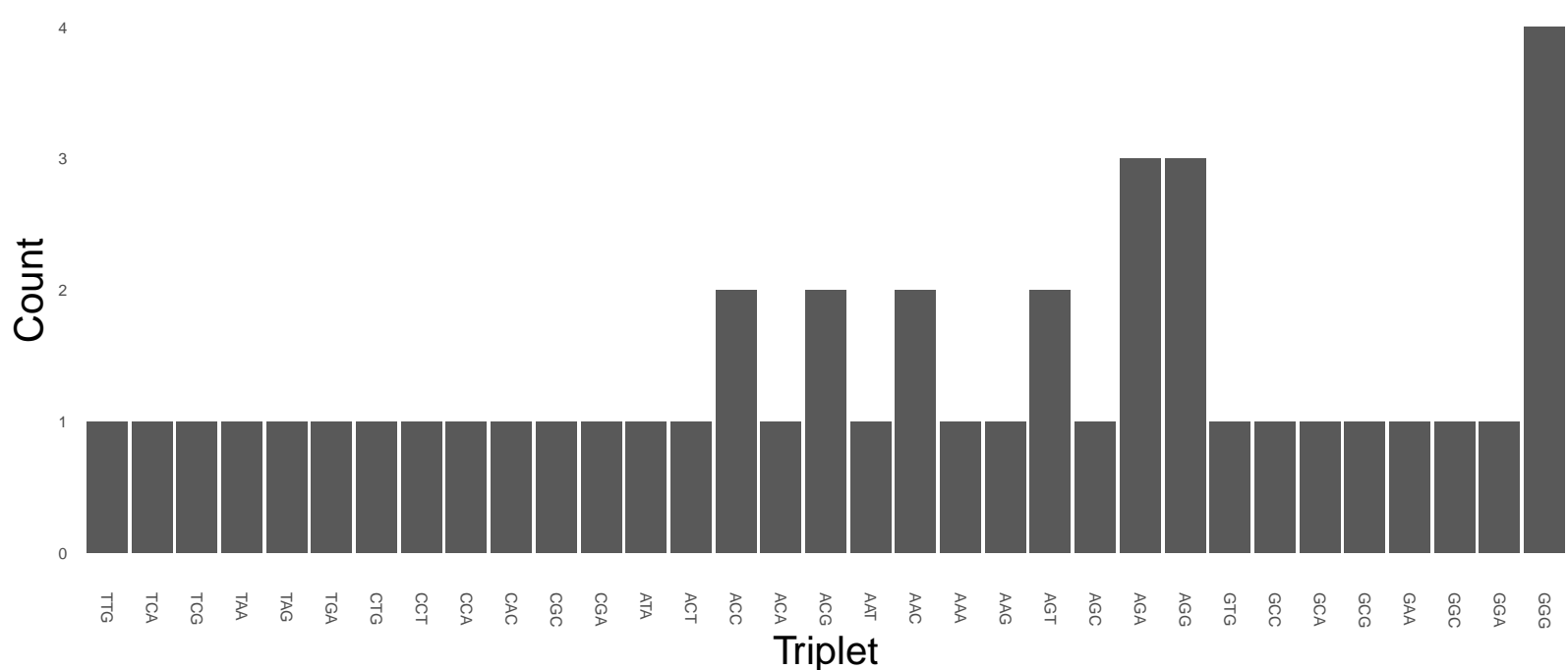
Gene TRBV7-7*ap01_C315T



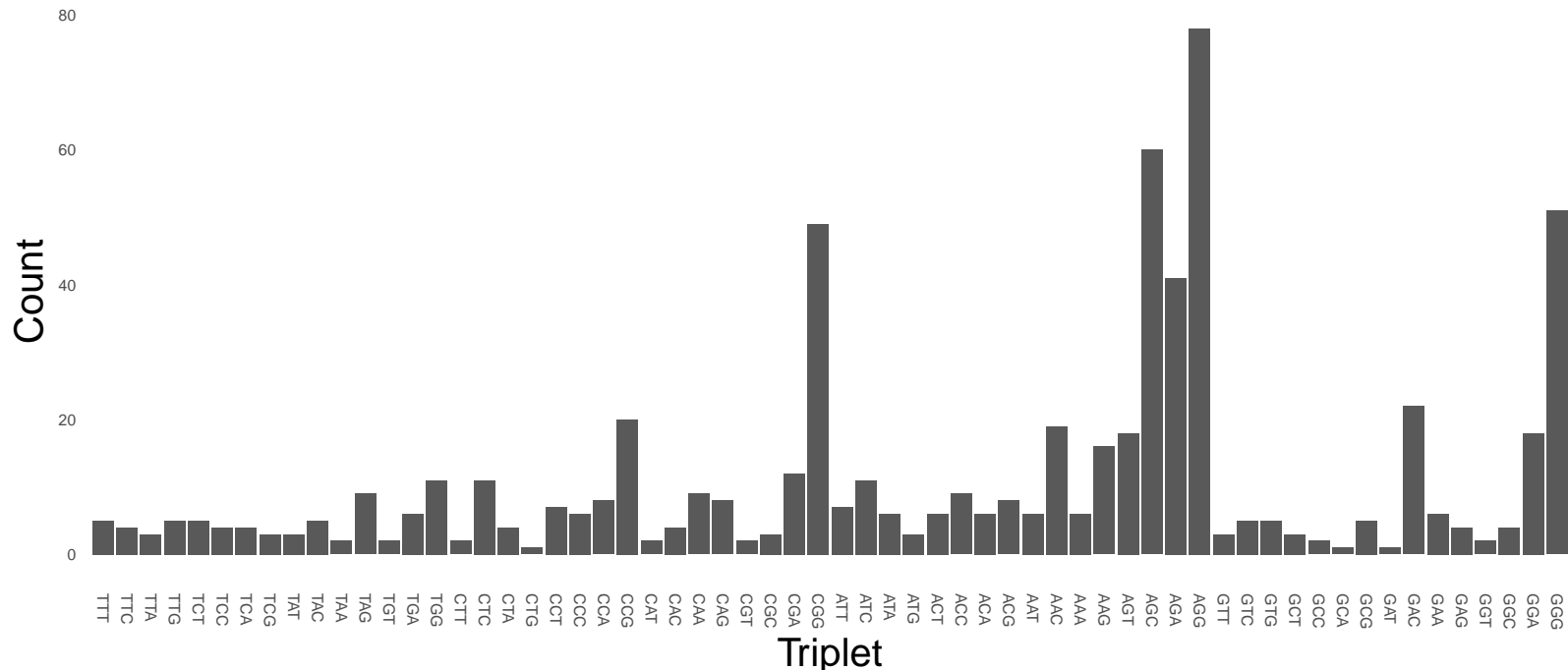
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

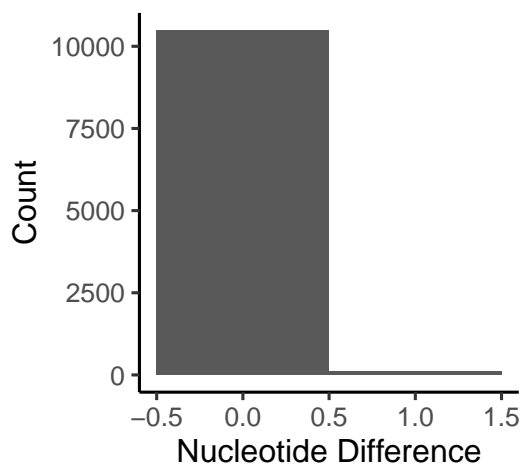


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



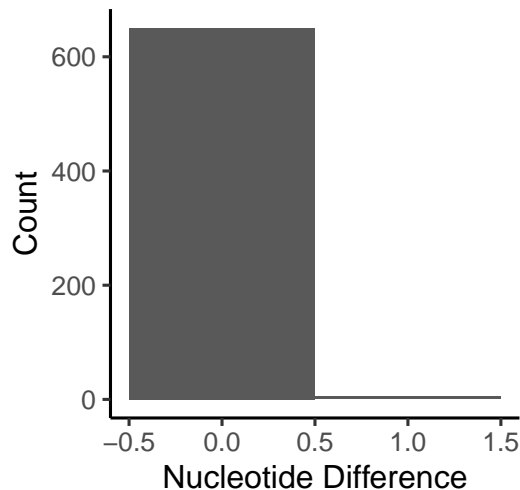
TRBV20-1*ap01

10596 sequences assigned
10491 (99%) exact matches, in which:
10373 unique CDR3
13 unique J



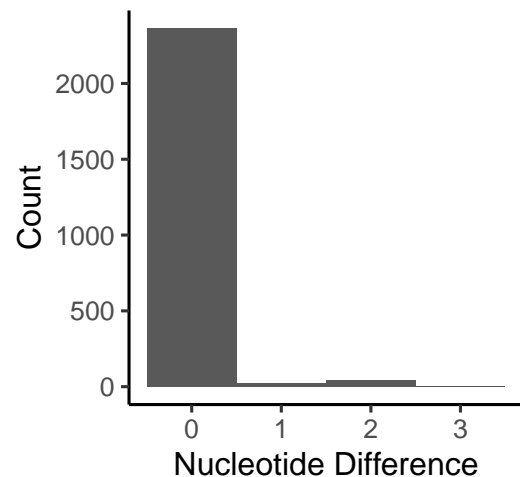
TRBV10-2*ap01

656 sequences assigned
651 (99.2%) exact matches, in which:
637 unique CDR3
13 unique J



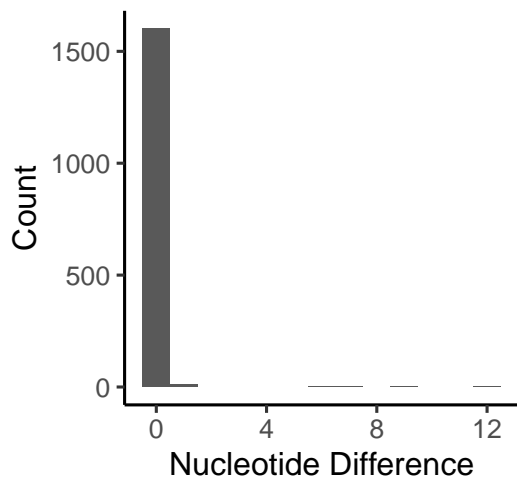
TRBV13*ap01

2429 sequences assigned
2363 (97.3%) exact matches, in which:
2303 unique CDR3
13 unique J



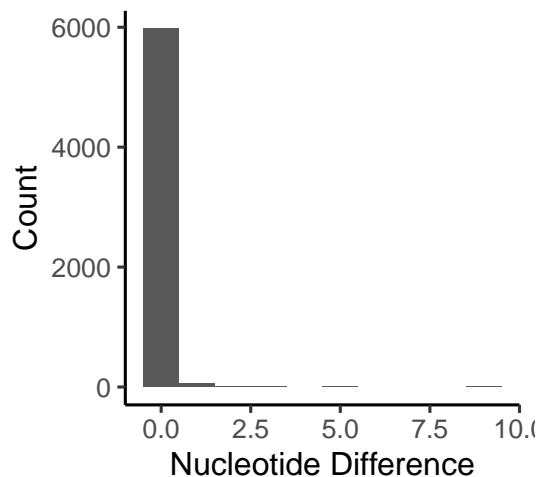
TRBV10-1*ap01

1618 sequences assigned
1601 (98.9%) exact matches, in which:
1568 unique CDR3
13 unique J



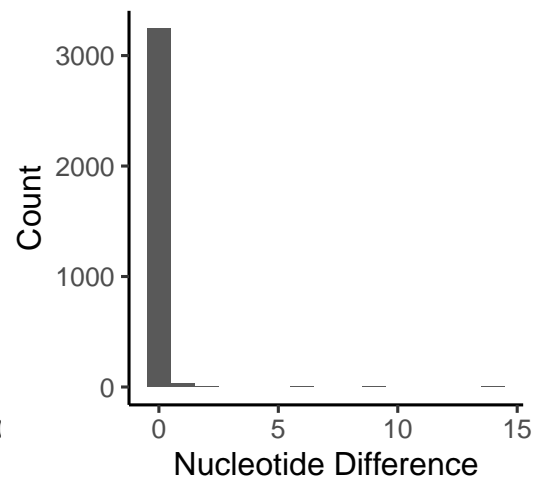
TRBV10-3*ap01

6041 sequences assigned
5975 (98.9%) exact matches, in which:
5861 unique CDR3
13 unique J



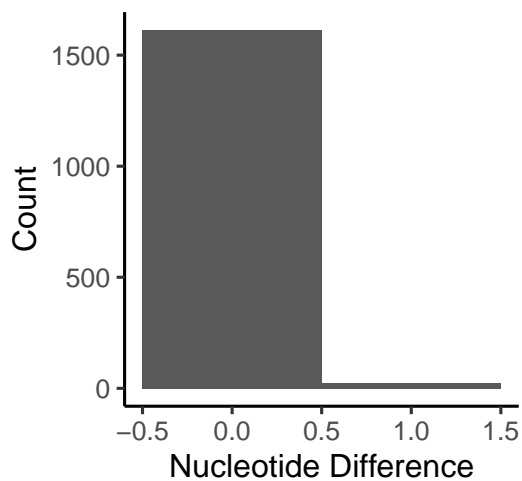
TRBV14*ap01

3279 sequences assigned
3243 (98.9%) exact matches, in which:
3200 unique CDR3
13 unique J



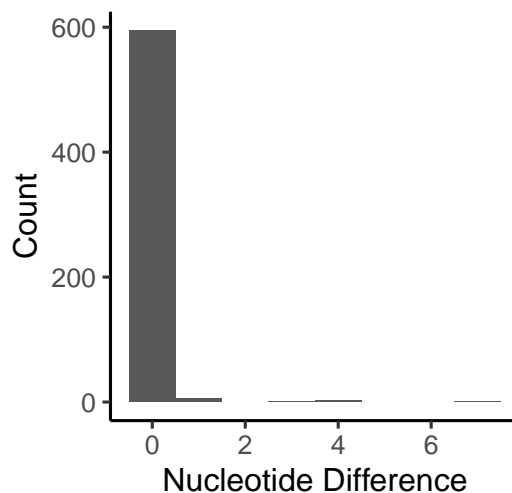
TRBV20-1*ap02

1636 sequences assigned
1613 (98.6%) exact matches, in which:
1604 unique CDR3
13 unique J



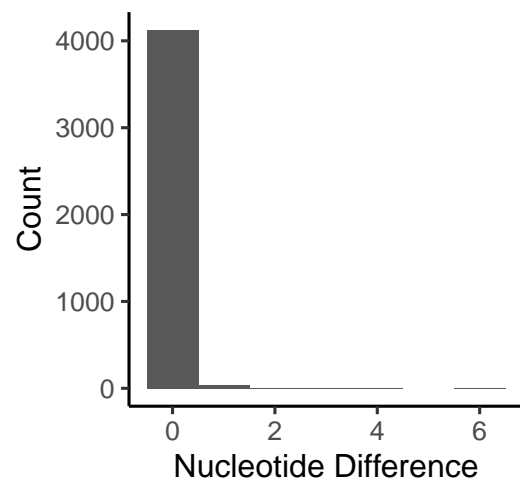
TRBV1*ap01

605 sequences assigned
595 (98.3%) exact matches, in which:
590 unique CDR3
13 unique J



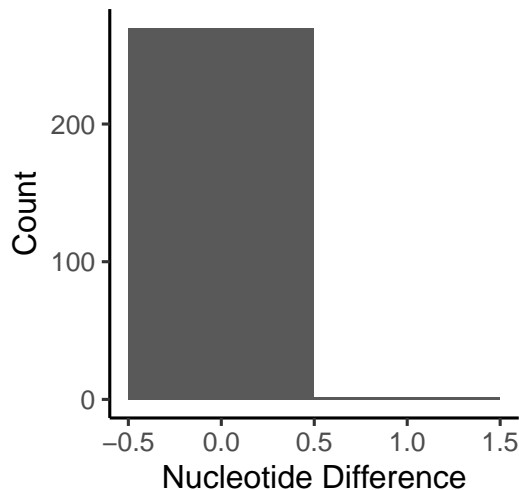
TRBV15*ap02

4166 sequences assigned
4124 (99%) exact matches, in which:
4062 unique CDR3
13 unique J



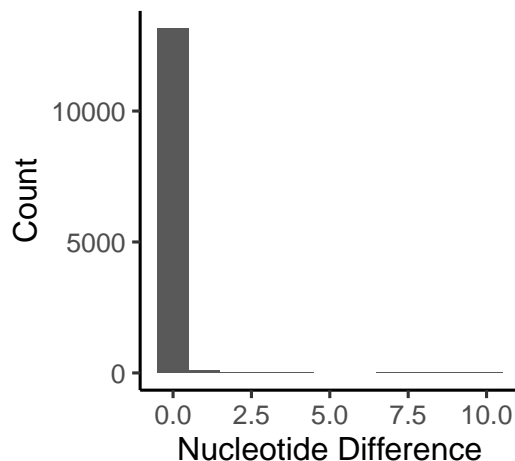
TRBV16*ap01

272 sequences assigned
270 (99.3%) exact matches, in which:
269 unique CDR3
12 unique J



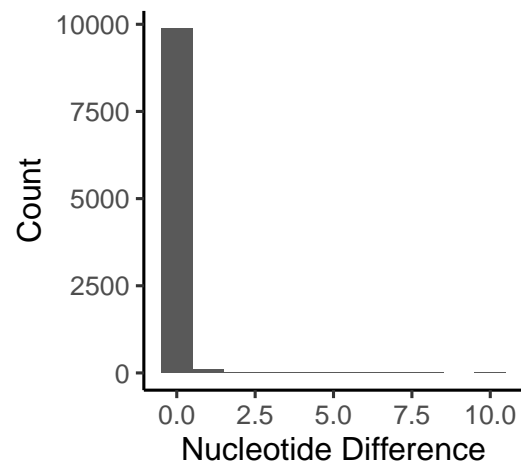
TRBV19*ap01

13293 sequences assigned
13165 (99%) exact matches, in which:
13063 unique CDR3
13 unique J



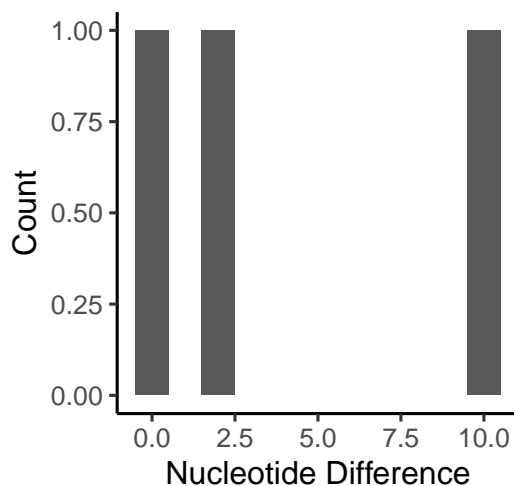
TRBV27*ap01

10001 sequences assigned
9889 (98.9%) exact matches, in which:
9692 unique CDR3
13 unique J



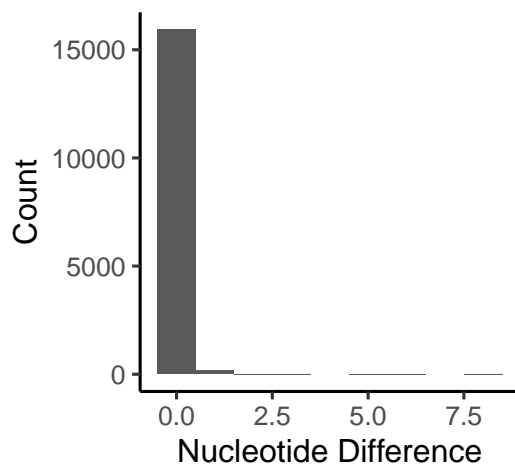
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



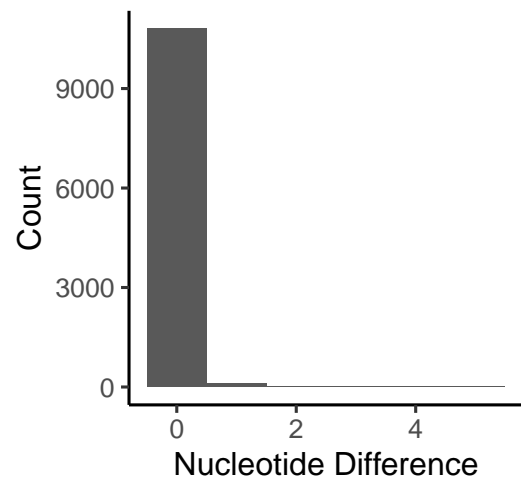
TRBV2*ap01

16125 sequences assigned
15938 (98.8%) exact matches, in which:
15660 unique CDR3
13 unique J



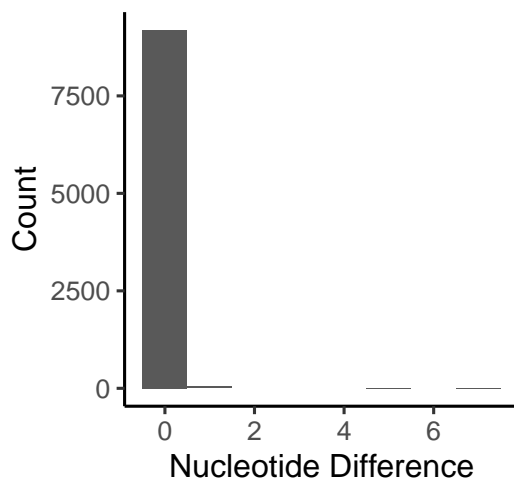
TRBV28*ap01

10908 sequences assigned
10804 (99%) exact matches, in which:
10636 unique CDR3
13 unique J



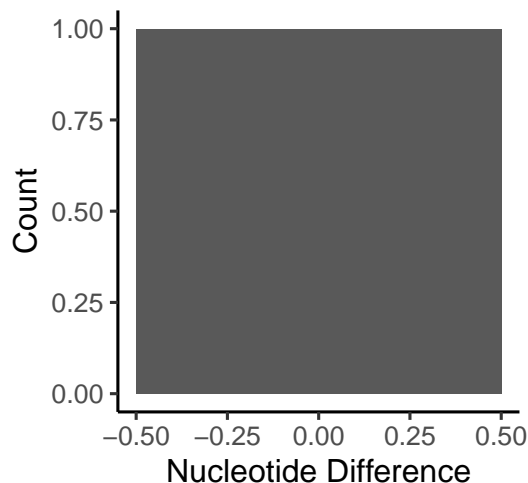
TRBV18*ap01

9239 sequences assigned
9189 (99.5%) exact matches, in which:
9101 unique CDR3
13 unique J



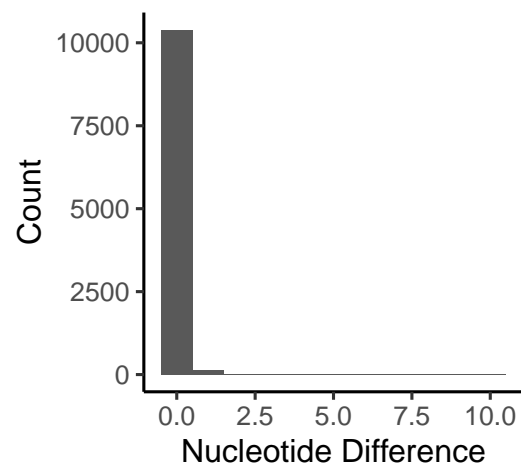
TRBV26*ap01

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



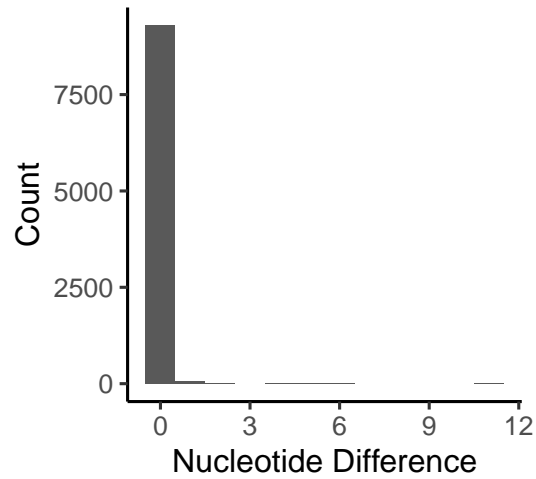
TRBV30*ap01

10564 sequences assigned
10392 (98.4%) exact matches, in which:
10276 unique CDR3
13 unique J



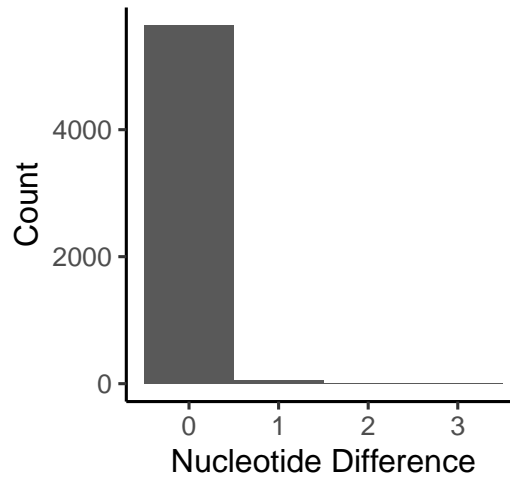
TRBV9*ap01

9378 sequences assigned
9295 (99.1%) exact matches, in which:
9182 unique CDR3
13 unique J



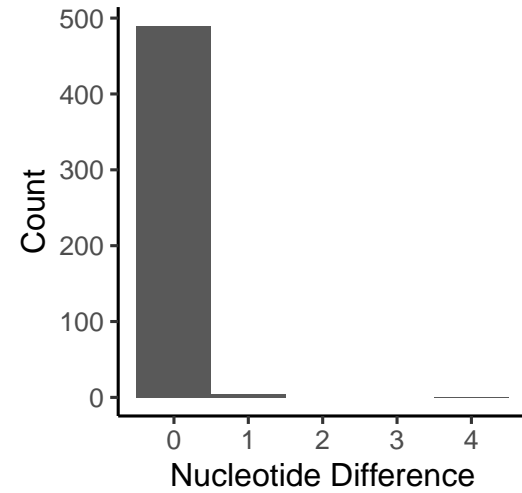
TRBV11-2*ap01

5708 sequences assigned
5642 (98.8%) exact matches, in which:
5567 unique CDR3
13 unique J



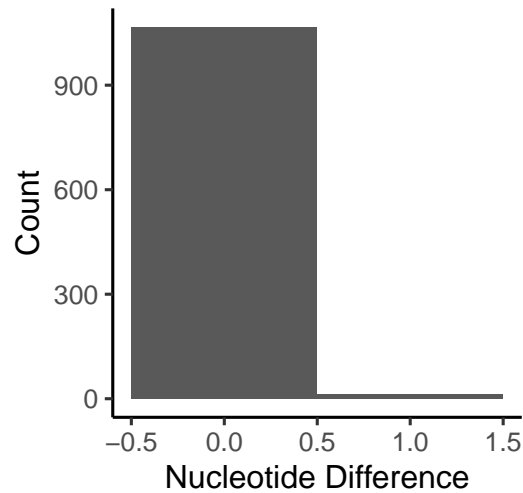
TRBV12-2*ap01

495 sequences assigned
490 (99%) exact matches, in which:
480 unique CDR3
13 unique J



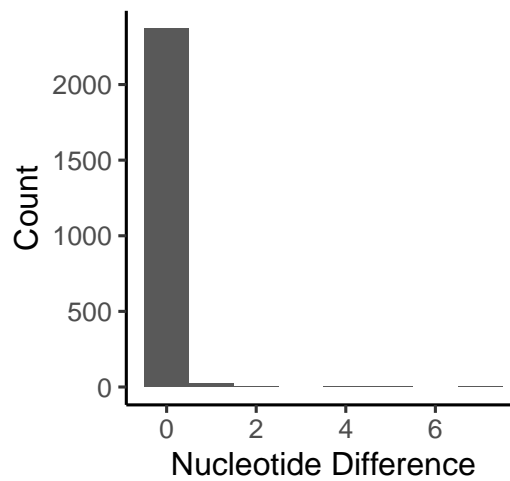
TRBV11-1*ap01

1080 sequences assigned
1067 (98.8%) exact matches, in which:
1054 unique CDR3
13 unique J



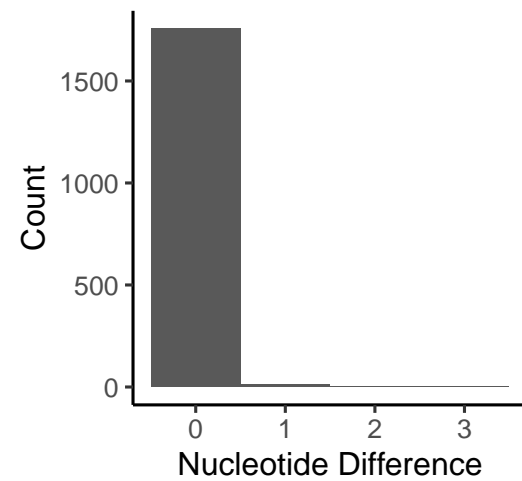
TRBV11-3*ap01

2398 sequences assigned
2369 (98.8%) exact matches, in which:
2346 unique CDR3
13 unique J



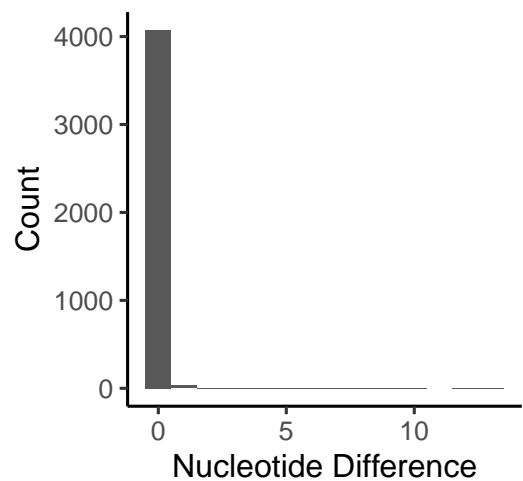
TRBV12-5*ap01

1770 sequences assigned
1756 (99.2%) exact matches, in which:
1734 unique CDR3
13 unique J



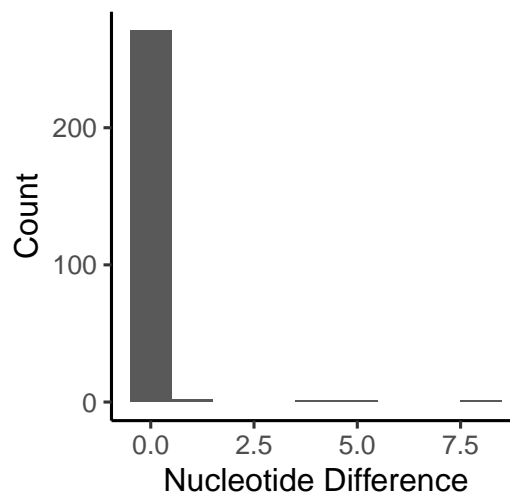
TRBV21-1*ap01

4138 sequences assigned
4074 (98.5%) exact matches, in which:
4027 unique CDR3
13 unique J



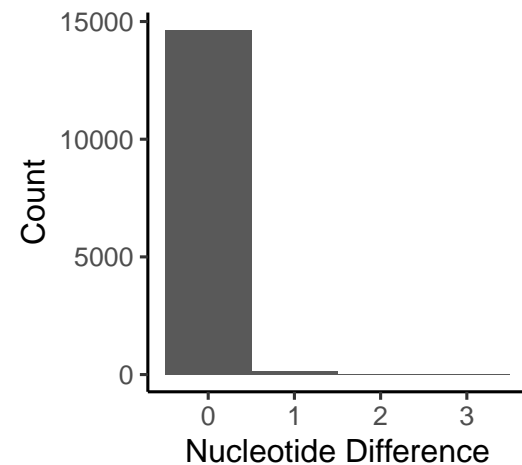
TRBV12-1*ap01

276 sequences assigned
271 (98.2%) exact matches, in which:
270 unique CDR3
13 unique J



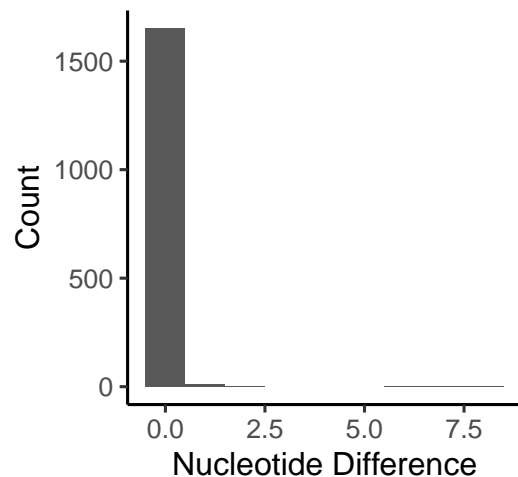
TRBV12-34*ap01

14799 sequences assigned
14649 (99%) exact matches, in which:
14428 unique CDR3
13 unique J



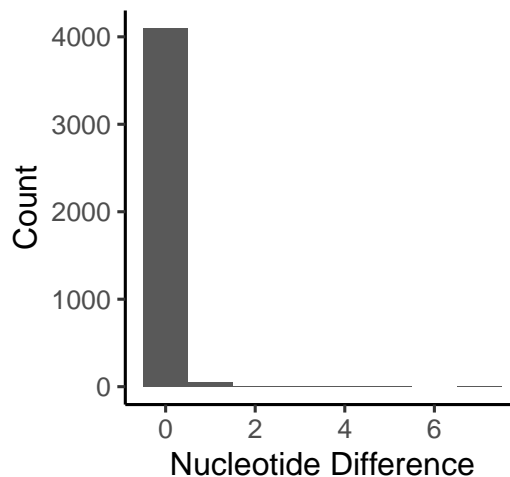
TRBV23-1*ap01

1670 sequences assigned
1651 (98.9%) exact matches, in which:
1631 unique CDR3
13 unique J



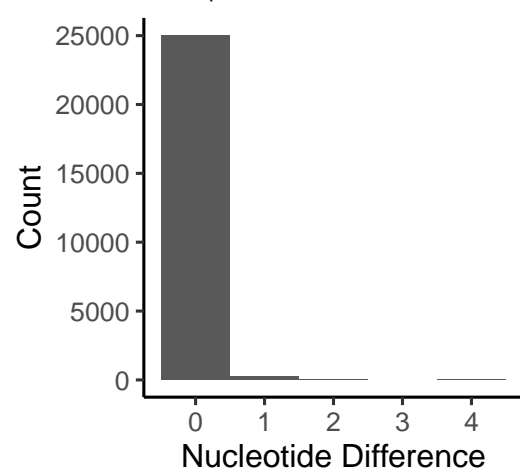
TRBV24-1*ap01

4158 sequences assigned
4096 (98.5%) exact matches, in which:
4049 unique CDR3
13 unique J



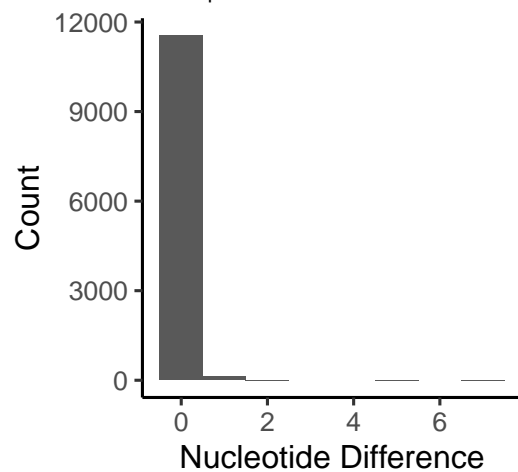
TRBV5-1*ap01

25280 sequences assigned
25035 (99%) exact matches, in which:
24542 unique CDR3
13 unique J



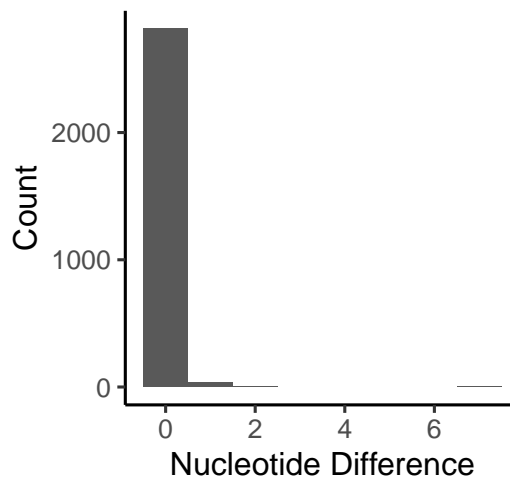
TRBV3-12*ap01

11677 sequences assigned
11549 (98.9%) exact matches, in which:
11362 unique CDR3
13 unique J



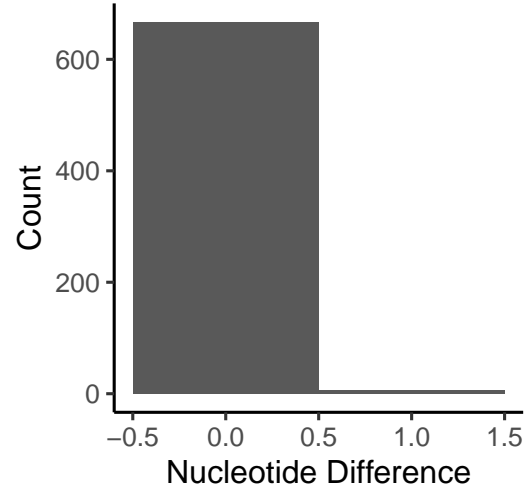
TRBV4-2*ap01

2854 sequences assigned
2816 (98.7%) exact matches, in which:
2764 unique CDR3
13 unique J



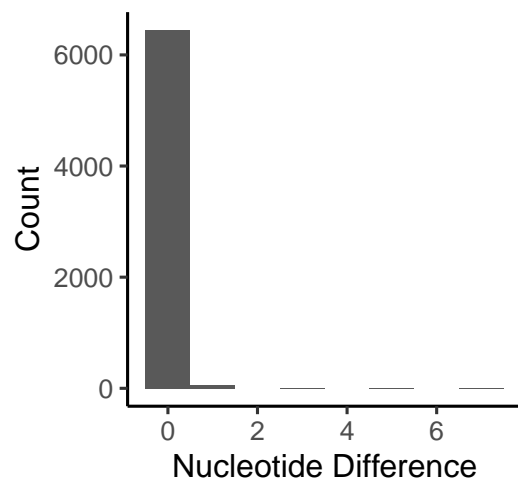
TRBV5-3*ap01

674 sequences assigned
667 (99%) exact matches, in which:
657 unique CDR3
13 unique J



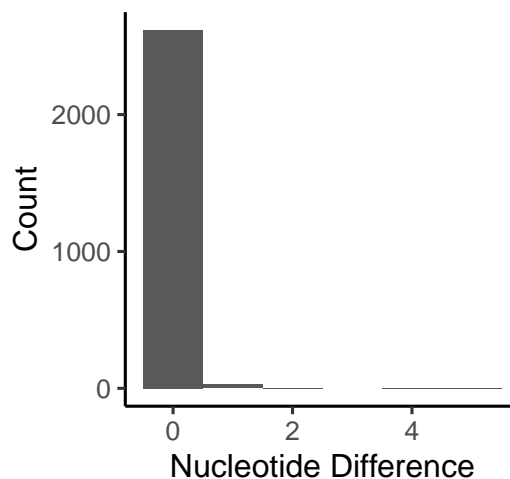
TRBV4-1*ap01

6511 sequences assigned
6447 (99%) exact matches, in which:
6336 unique CDR3
13 unique J



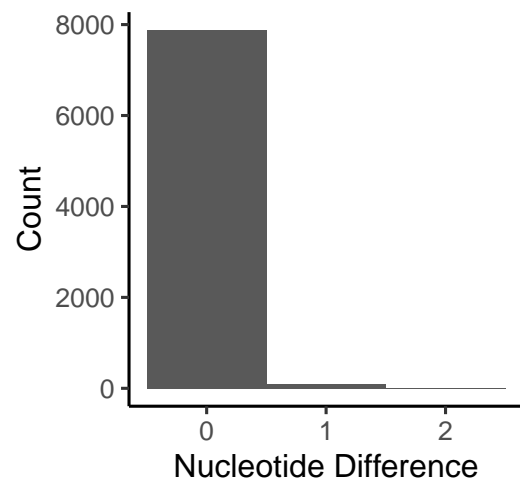
TRBV25-1*ap01

2649 sequences assigned
2618 (98.8%) exact matches, in which:
2573 unique CDR3
13 unique J



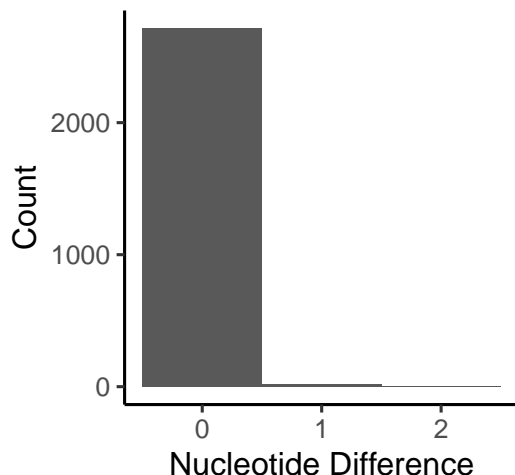
TRBV5-4*ap01

7974 sequences assigned
7880 (98.8%) exact matches, in which:
7736 unique CDR3
13 unique J



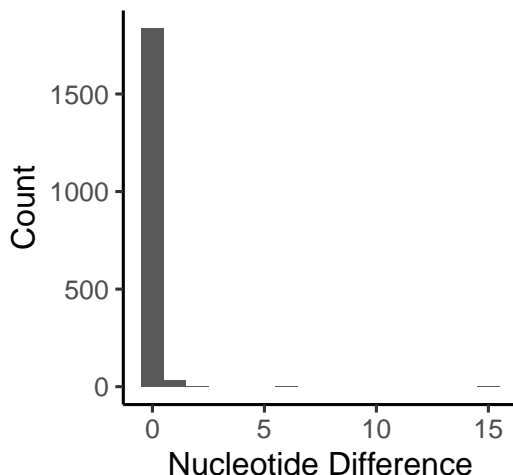
TRBV5-5*ap01

2736 sequences assigned
2714 (99.2%) exact matches, in which:
2684 unique CDR3
13 unique J



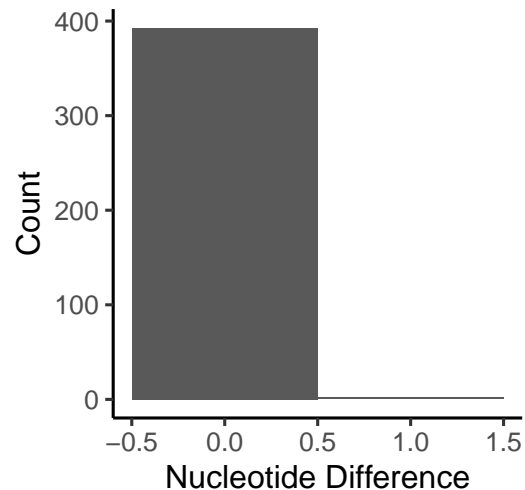
TRBV5-8*ap01

1874 sequences assigned
1836 (98%) exact matches, in which:
1813 unique CDR3
13 unique J



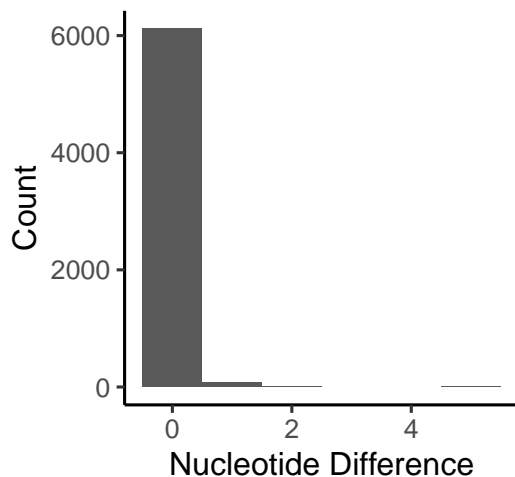
TRBV6-7*ap01

395 sequences assigned
393 (99.5%) exact matches, in which:
388 unique CDR3
13 unique J



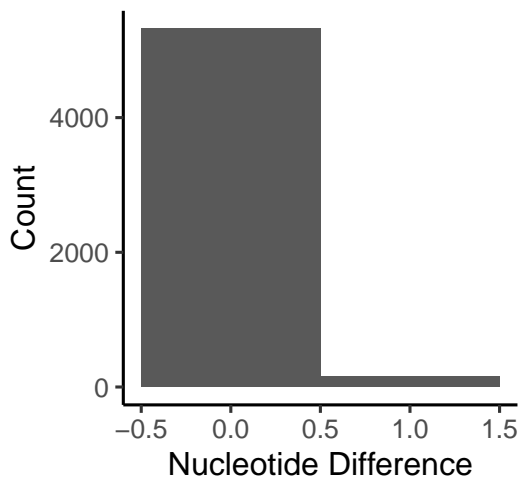
TRBV5-6*ap01

6189 sequences assigned
6117 (98.8%) exact matches, in which:
5964 unique CDR3
13 unique J



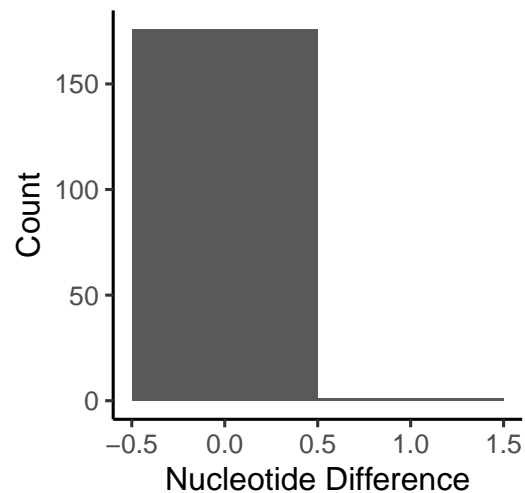
TRBV6-1*ap01

5479 sequences assigned
5320 (97.1%) exact matches, in which:
5232 unique CDR3
13 unique J



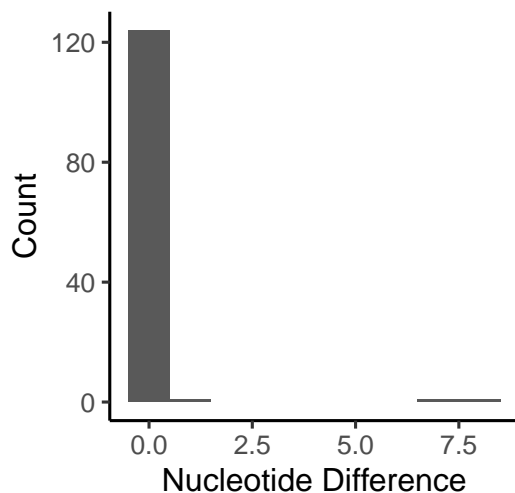
TRBV6-8*ap01

177 sequences assigned
176 (99.4%) exact matches, in which:
174 unique CDR3
13 unique J



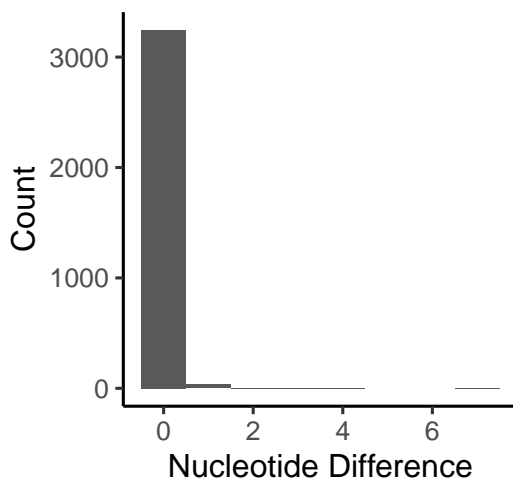
TRBV5-7*ap01

127 sequences assigned
124 (97.6%) exact matches, in which:
123 unique CDR3
12 unique J



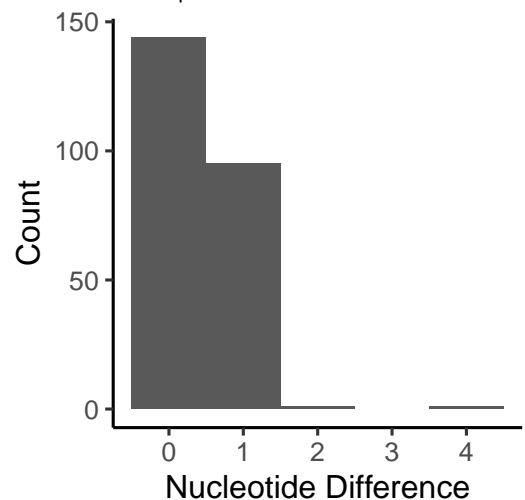
TRBV6-4*ap01

3292 sequences assigned
3245 (98.6%) exact matches, in which:
3212 unique CDR3
13 unique J



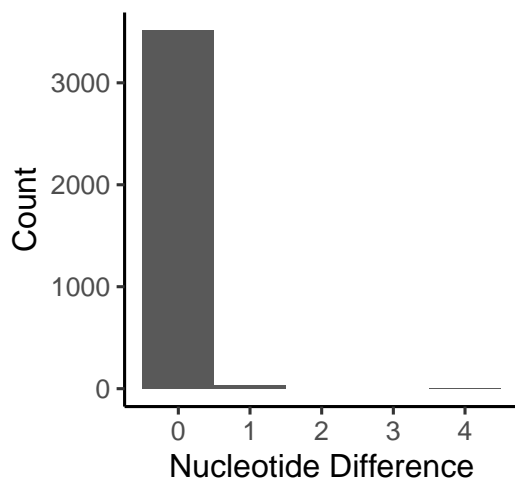
TRBV6-9*ap01

241 sequences assigned
144 (59.8%) exact matches, in which:
143 unique CDR3
12 unique J



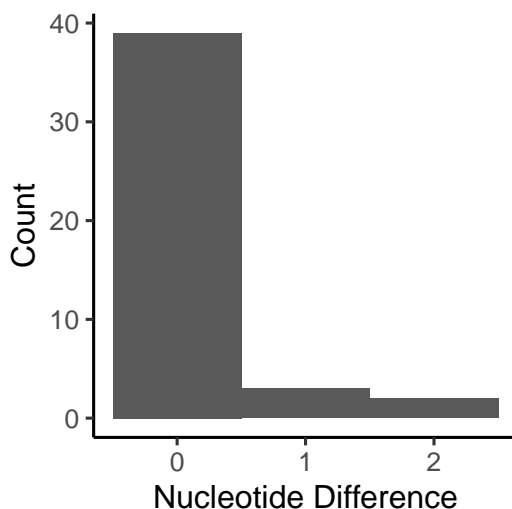
TRBV6-23*ap01

3553 sequences assigned
3514 (98.9%) exact matches, in which:
3464 unique CDR3
13 unique J



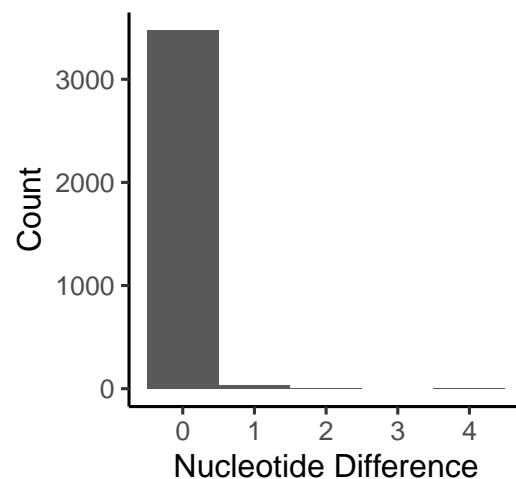
TRBV7-1*ap01_G291C_T

44 sequences assigned
39 (88.6%) exact matches, in which:
39 unique CDR3
12 unique J



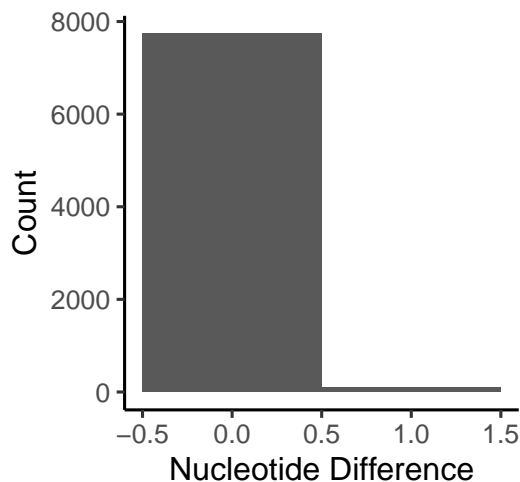
TRBV7-3*ap01

3510 sequences assigned
3474 (99%) exact matches, in which:
3444 unique CDR3
13 unique J



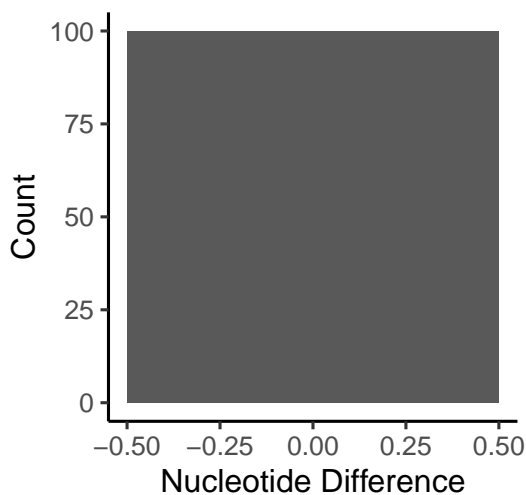
TRBV6-56*ap01

7829 sequences assigned
7736 (98.8%) exact matches, in which:
7567 unique CDR3
13 unique J



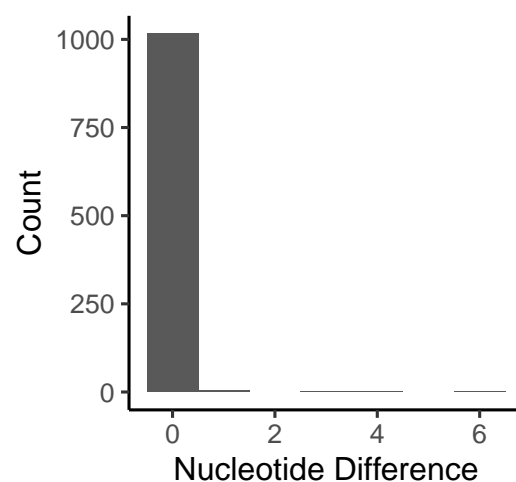
TRBV7-1*ap01_G291C_

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



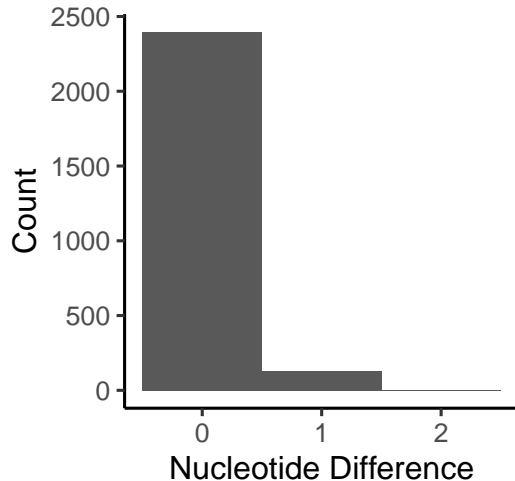
TRBV7-3*ap03

1024 sequences assigned
1016 (99.2%) exact matches, in which:
1002 unique CDR3
13 unique J



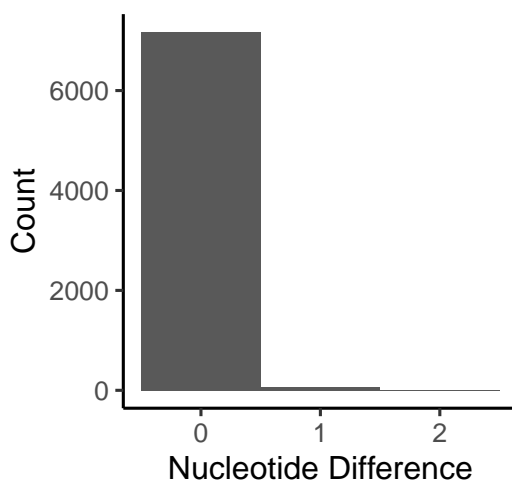
TRBV6-56*ap02

2527 sequences assigned
2396 (94.8%) exact matches, in which:
2364 unique CDR3
13 unique J



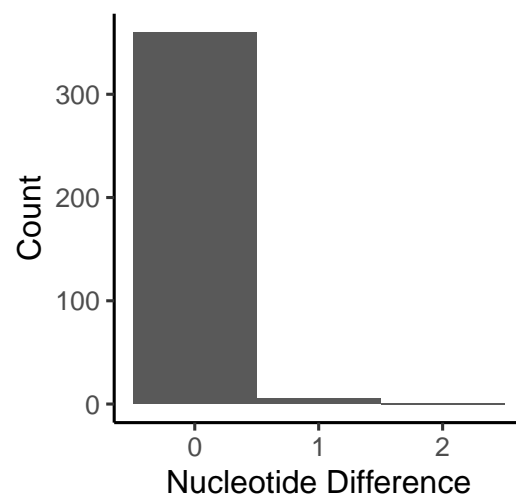
TRBV7-2*ap01

7236 sequences assigned
7171 (99.1%) exact matches, in which:
7086 unique CDR3
13 unique J



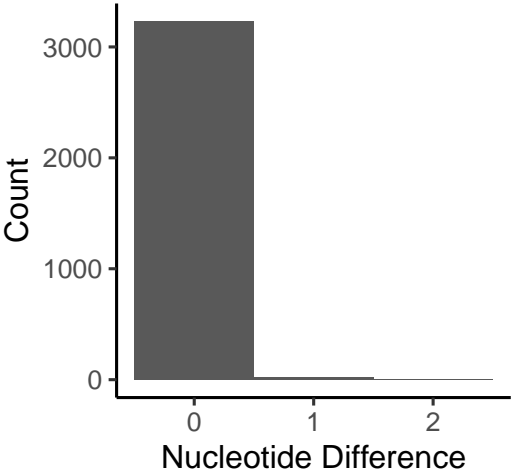
TRBV7-4*ap01

366 sequences assigned
360 (98.4%) exact matches, in which:
355 unique CDR3
13 unique J



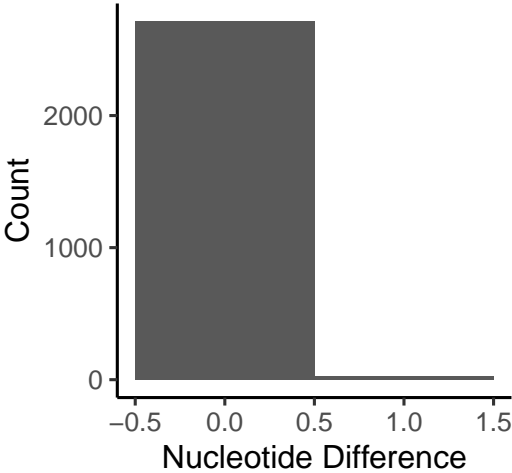
TRBV7-6*ap01

3252 sequences assigned
3230 (99.3%) exact matches, in which:
3188 unique CDR3
13 unique J



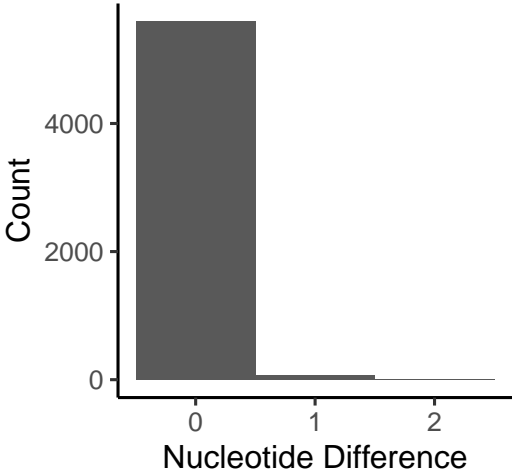
TRBV7-8*ap01

2741 sequences assigned
2713 (99%) exact matches, in which:
2676 unique CDR3
13 unique J



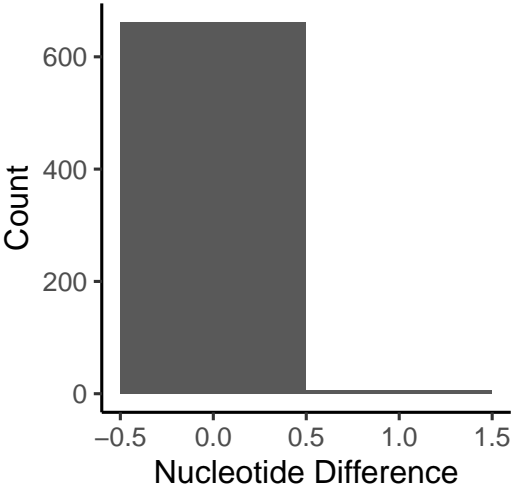
TRBV29-1*ap01

5671 sequences assigned
5594 (98.6%) exact matches, in which:
5494 unique CDR3
13 unique J



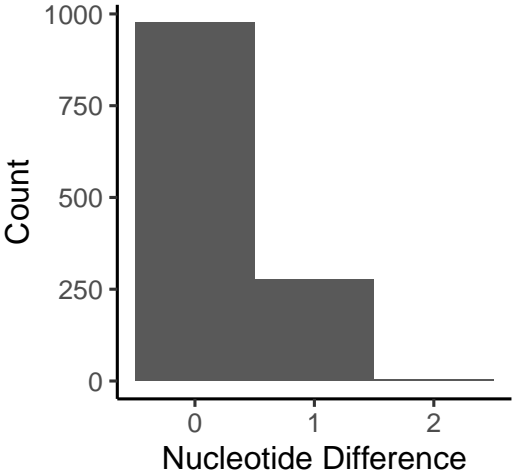
TRBV7-7*ap01

668 sequences assigned
662 (99.1%) exact matches, in which:
647 unique CDR3
13 unique J



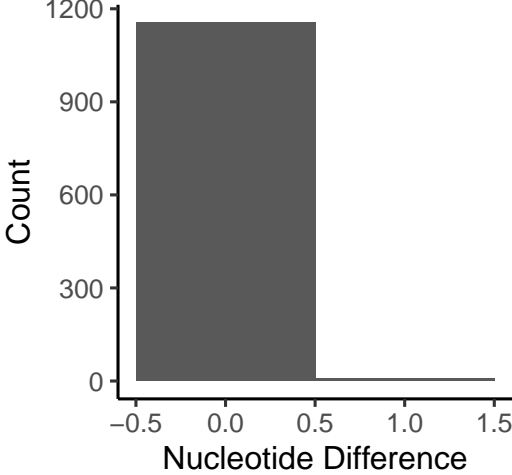
TRBV7-8*ap03

1256 sequences assigned
976 (77.7%) exact matches, in which:
964 unique CDR3
13 unique J



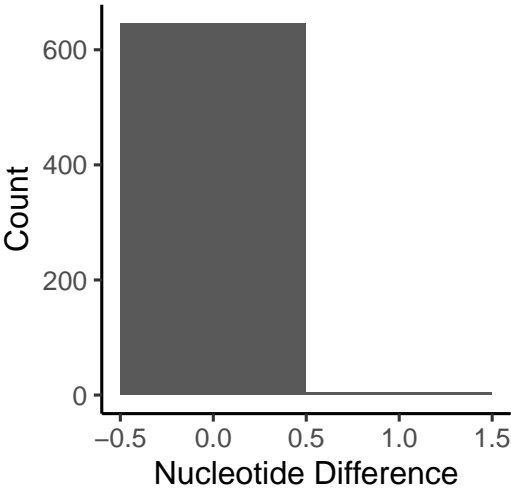
TRBV29-1*ap02

1164 sequences assigned
1155 (99.2%) exact matches, in which:
1138 unique CDR3
13 unique J



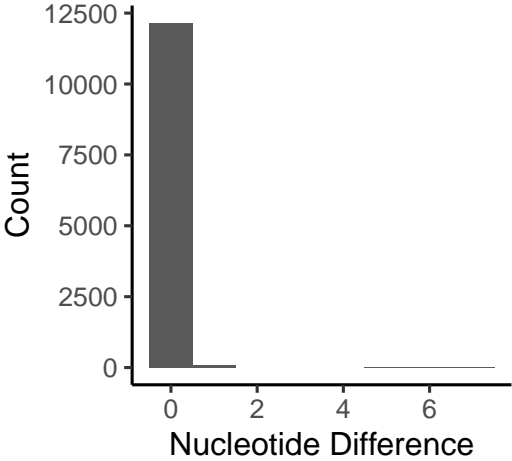
TRBV7-7*ap01_C315T

651 sequences assigned
646 (99.2%) exact matches, in which:
640 unique CDR3
13 unique J

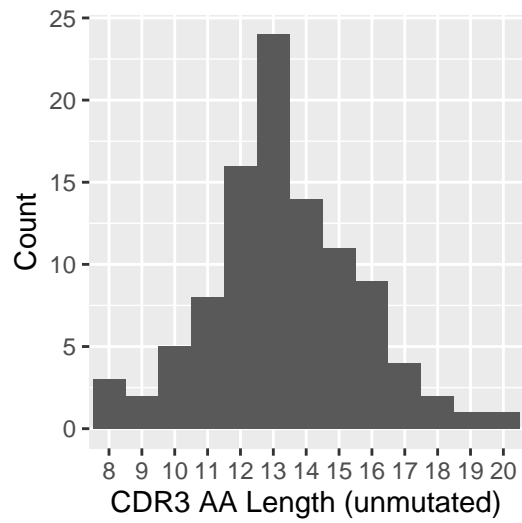


TRBV7-9*ap01

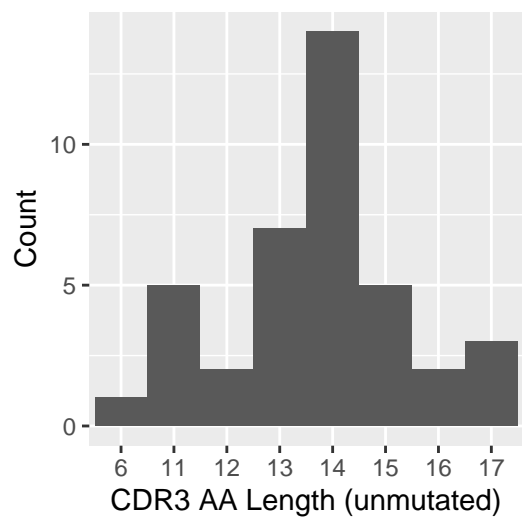
12263 sequences assigned
12159 (99.2%) exact matches, in which:
12021 unique CDR3
13 unique J



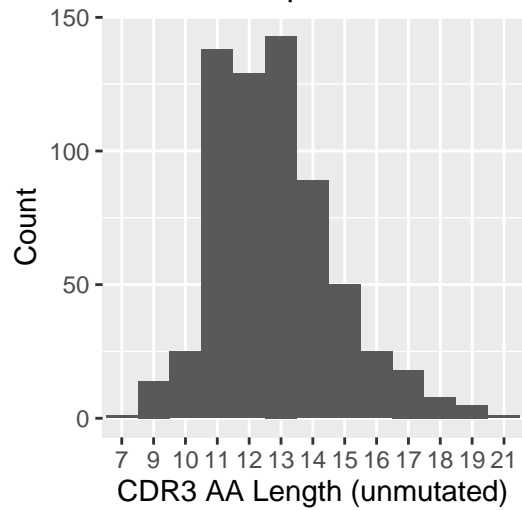
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]