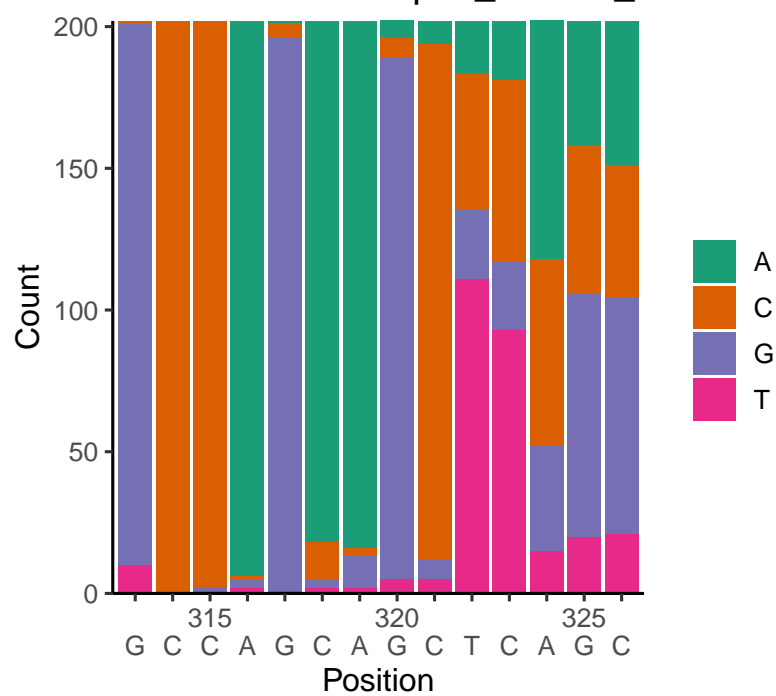
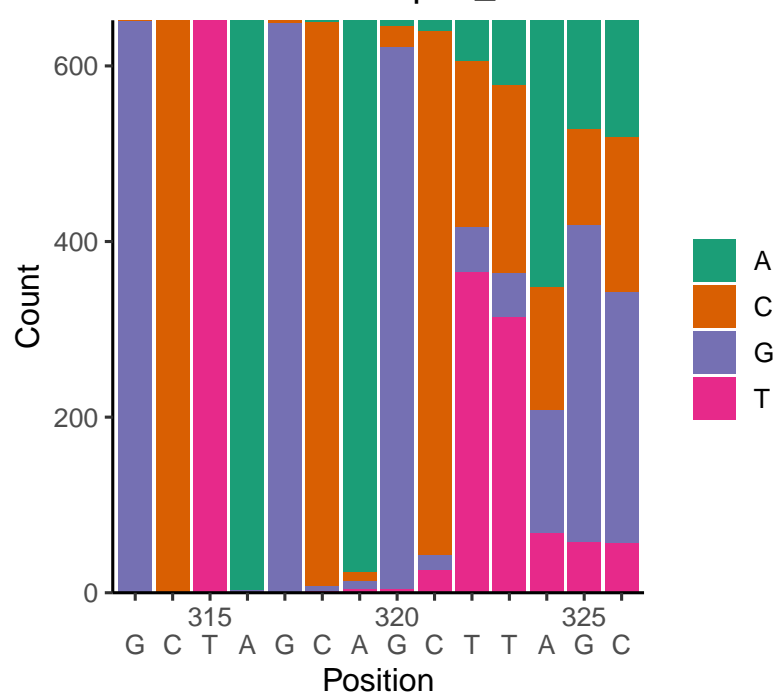


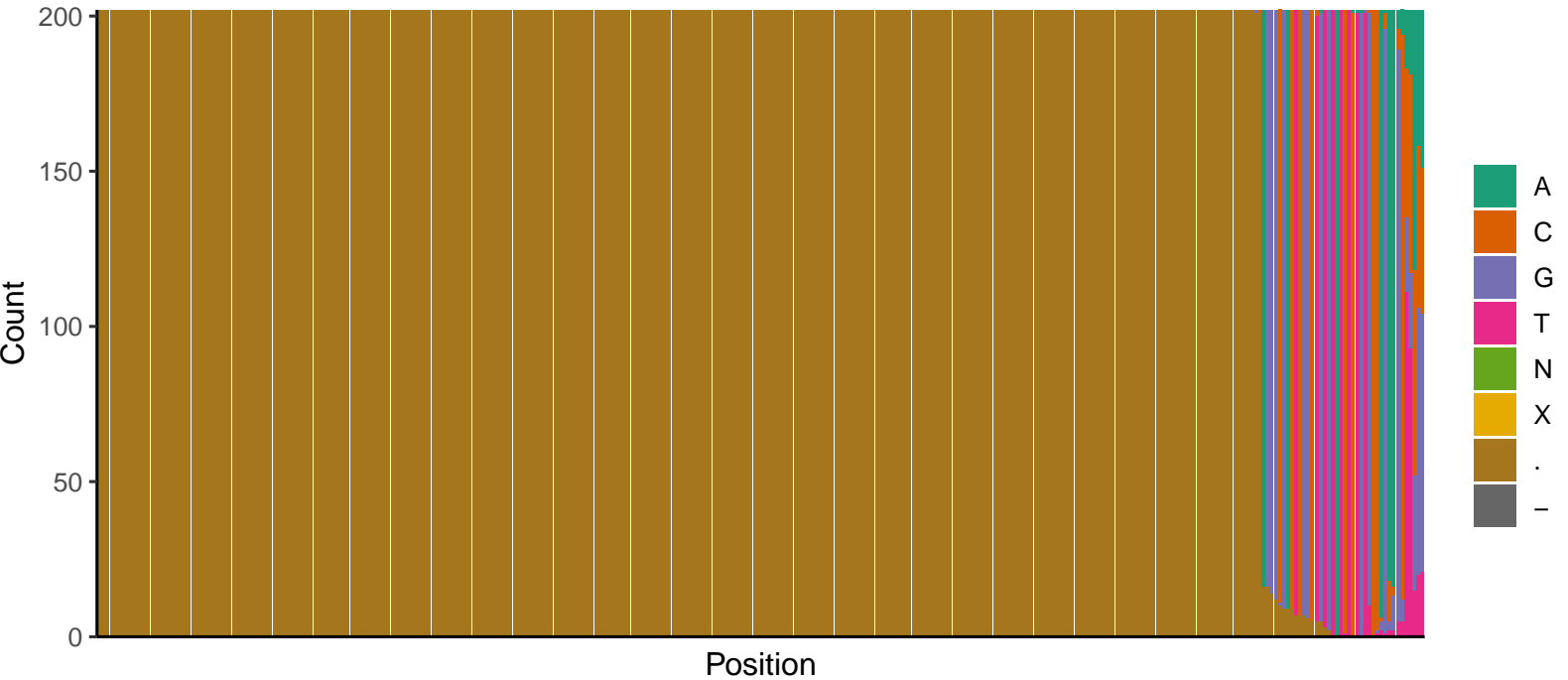
Gene TRBV7-1*ap01_G291C_T296C



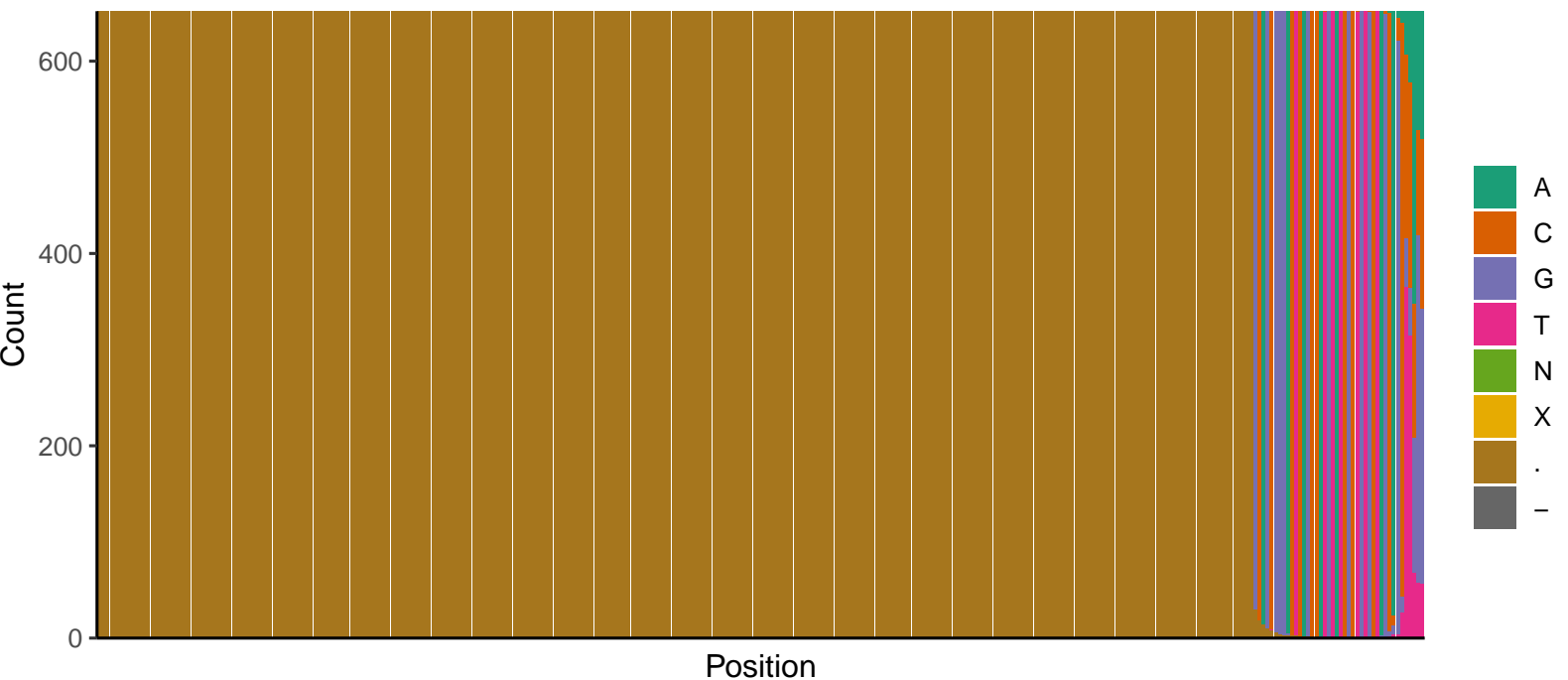
Gene TRBV7-7*ap01_C315T



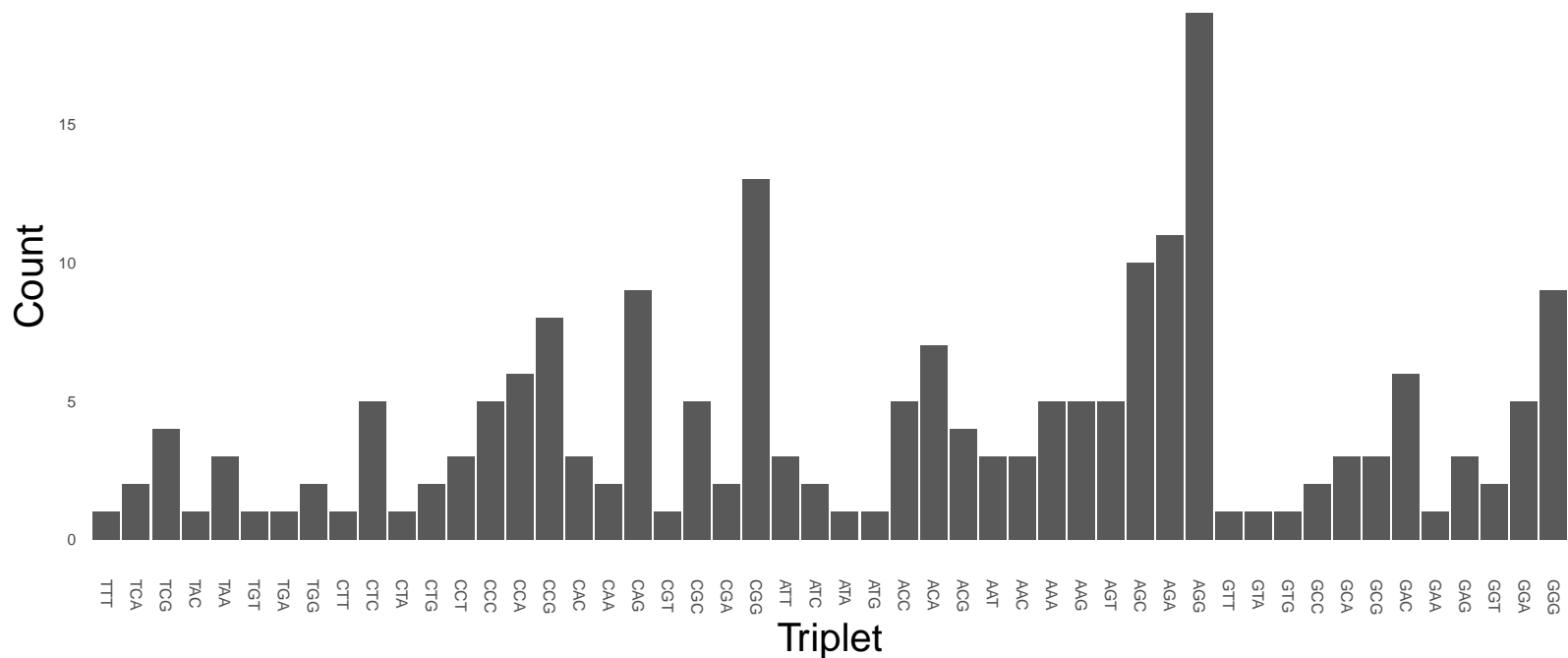
Gene TRBV7-1*ap01_G291C_T296C



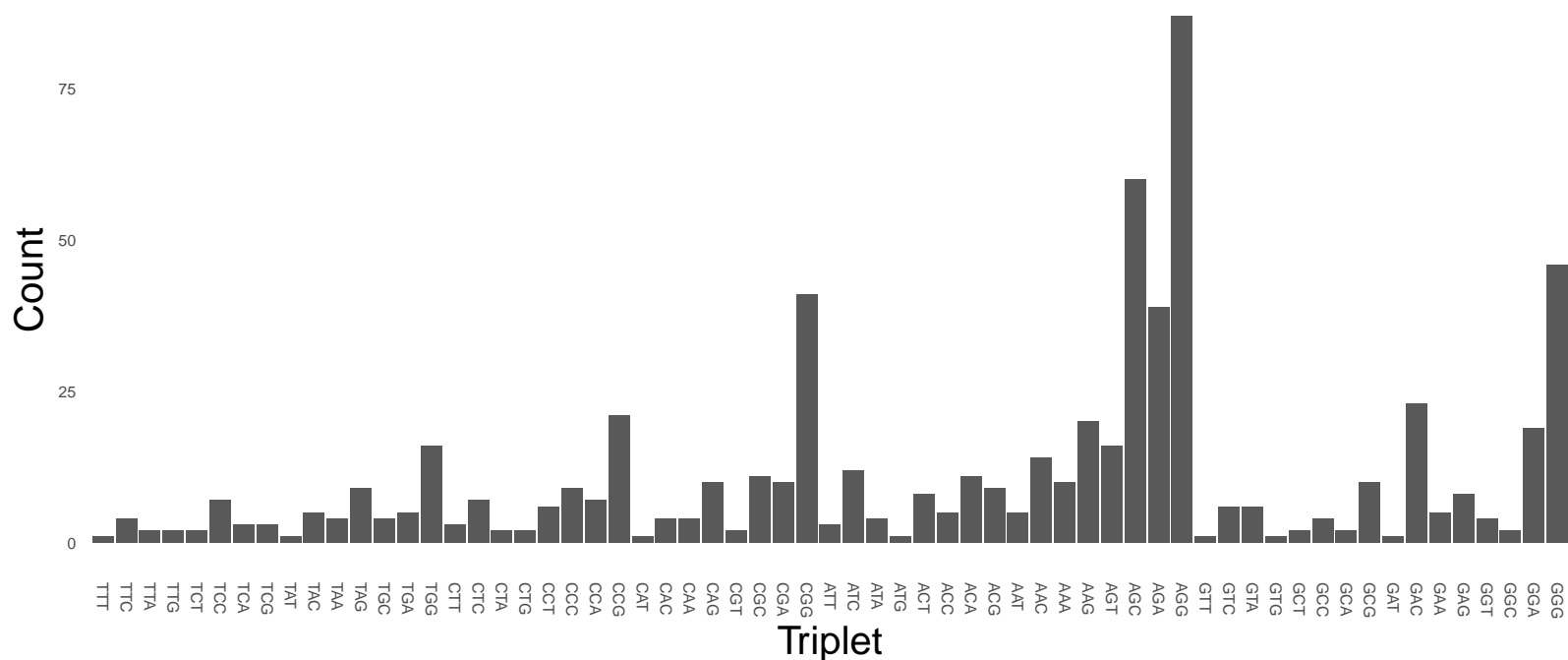
Gene TRBV7-7*ap01_C315T



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

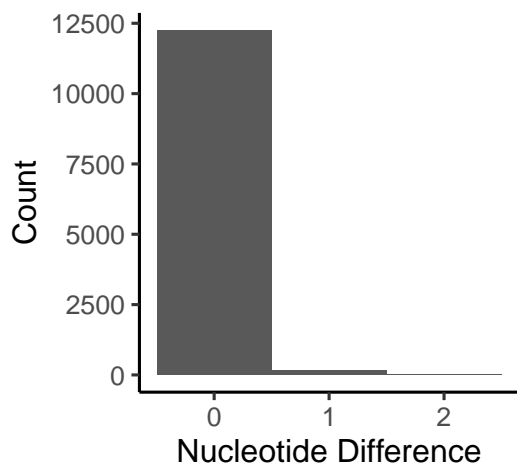


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



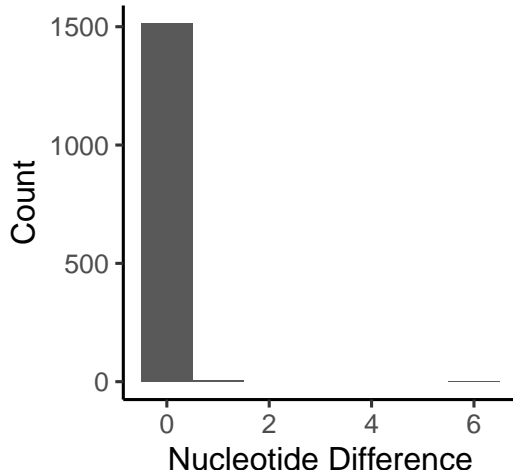
TRBV20-1*ap01

12436 sequences assigned
12256 (98.6%) exact matches, in which:
11952 unique CDR3
13 unique J



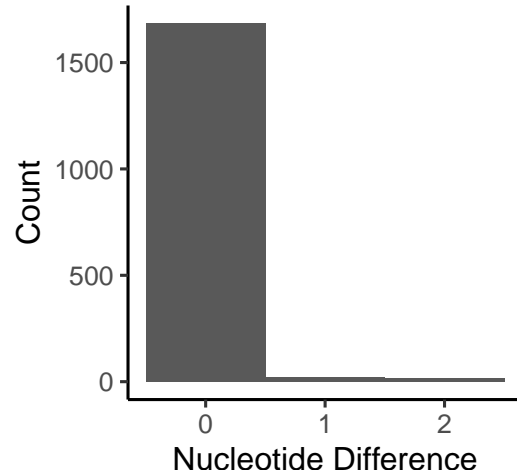
TRBV10-2*ap01

1523 sequences assigned
1514 (99.4%) exact matches, in which:
1479 unique CDR3
13 unique J



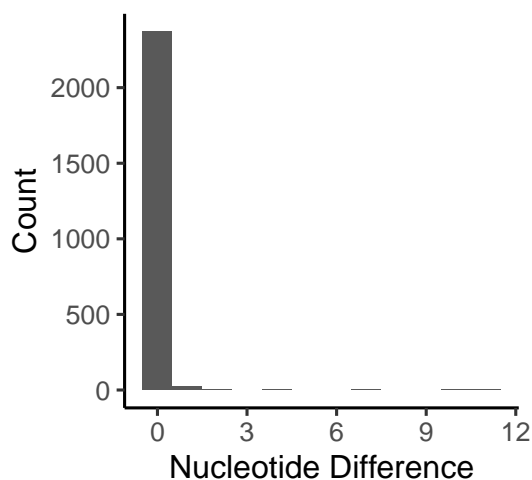
TRBV13*ap01

1724 sequences assigned
1684 (97.7%) exact matches, in which:
1624 unique CDR3
13 unique J



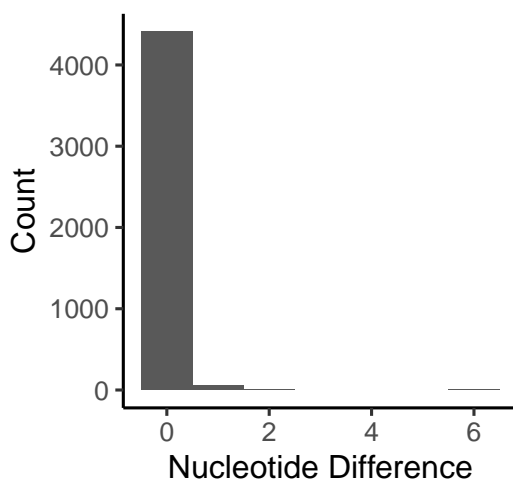
TRBV10-1*ap01

2397 sequences assigned
2370 (98.9%) exact matches, in which:
2304 unique CDR3
13 unique J



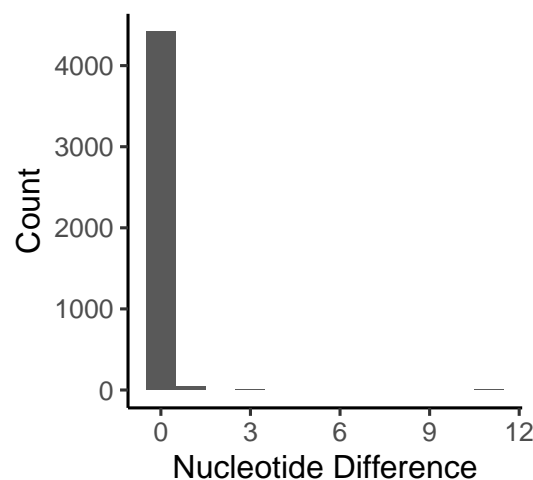
TRBV10-3*ap01

4466 sequences assigned
4409 (98.7%) exact matches, in which:
4263 unique CDR3
13 unique J



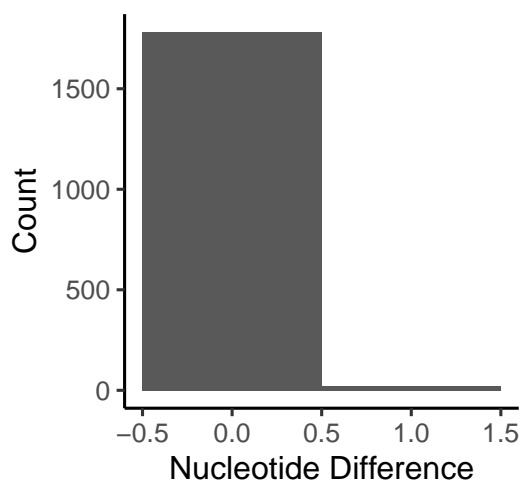
TRBV14*ap01

4458 sequences assigned
4418 (99.1%) exact matches, in which:
4317 unique CDR3
13 unique J



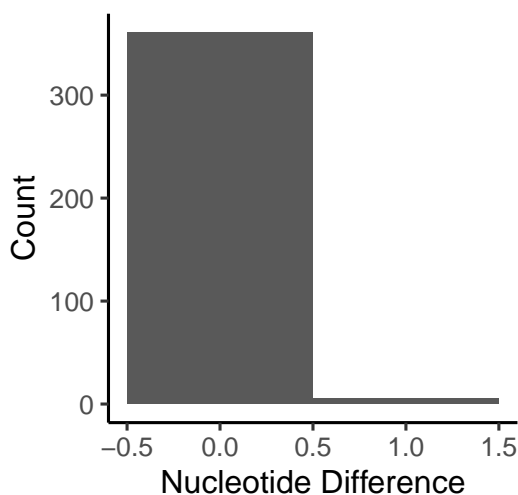
TRBV20-1*ap02

1802 sequences assigned
1782 (98.9%) exact matches, in which:
1740 unique CDR3
13 unique J



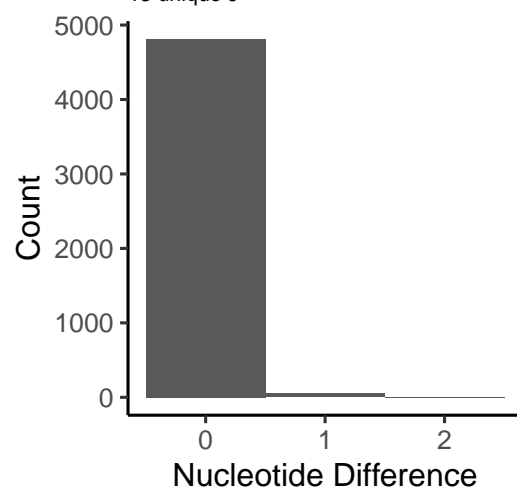
TRBV1*ap01

366 sequences assigned
361 (98.6%) exact matches, in which:
355 unique CDR3
13 unique J



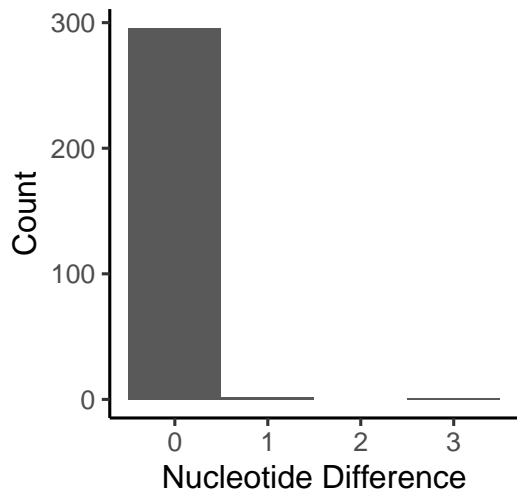
TRBV15*ap02

4864 sequences assigned
4812 (98.9%) exact matches, in which:
4679 unique CDR3
13 unique J



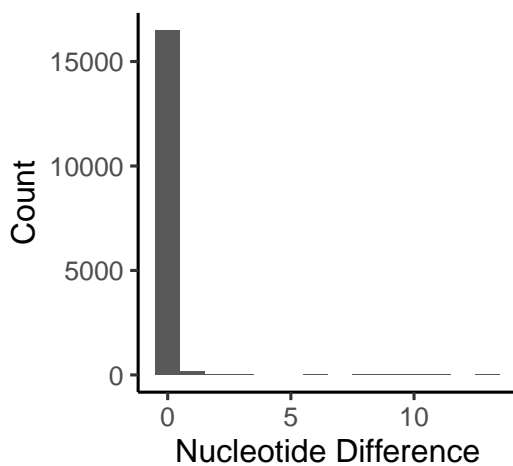
TRBV16*ap01

299 sequences assigned
296 (99%) exact matches, in which:
294 unique CDR3
13 unique J



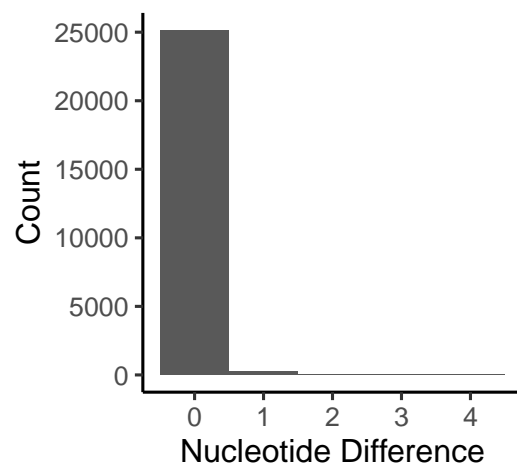
TRBV19*ap01

16713 sequences assigned
16501 (98.7%) exact matches, in which:
16217 unique CDR3
13 unique J



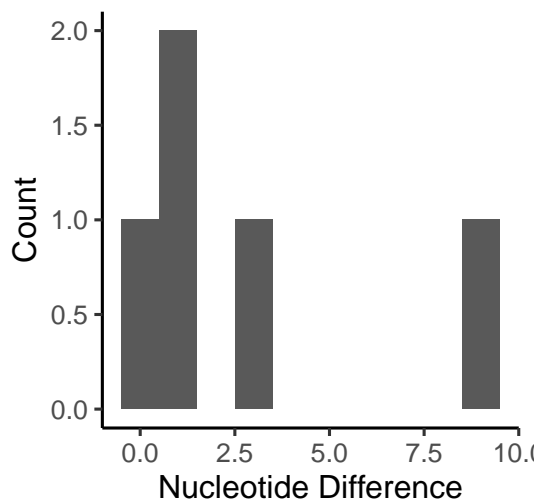
TRBV28*ap01

25386 sequences assigned
25149 (99.1%) exact matches, in which:
24473 unique CDR3
13 unique J



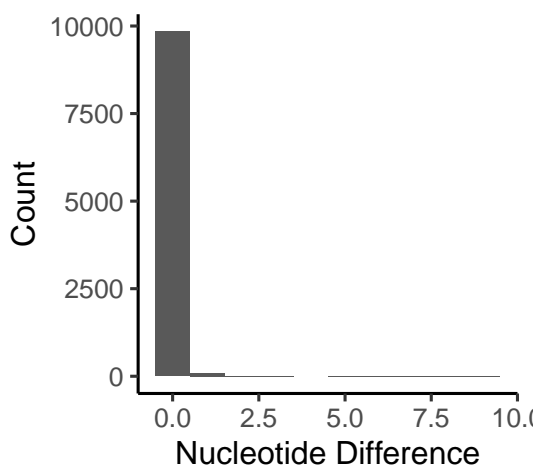
TRBV17*ap01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



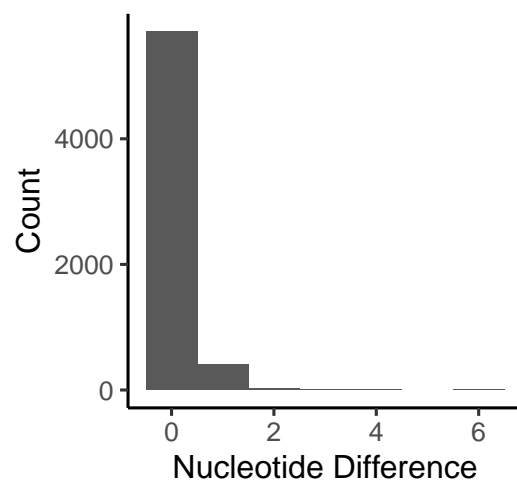
TRBV2*ap01

9955 sequences assigned
9844 (98.9%) exact matches, in which:
9608 unique CDR3
13 unique J



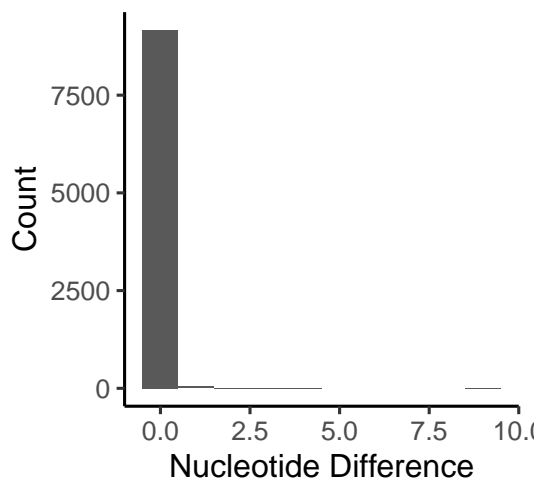
TRBV30*ap01

6130 sequences assigned
5705 (93.1%) exact matches, in which:
5623 unique CDR3
13 unique J



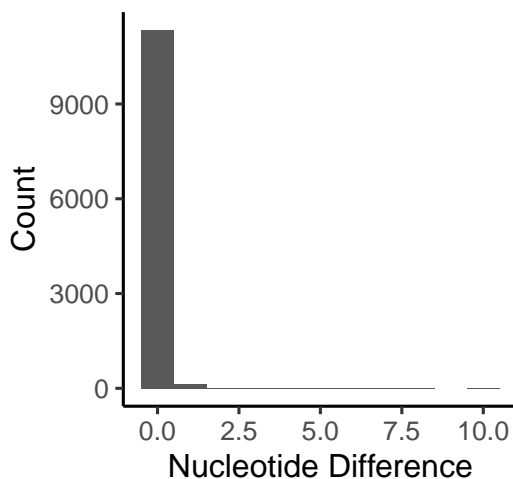
TRBV18*ap01

9223 sequences assigned
9166 (99.4%) exact matches, in which:
8977 unique CDR3
13 unique J



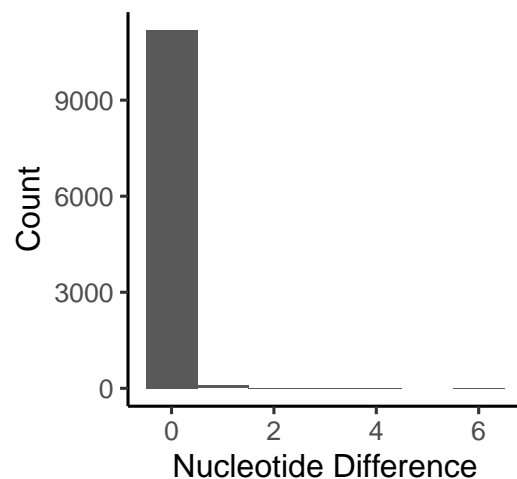
TRBV27*ap01

11490 sequences assigned
11340 (98.7%) exact matches, in which:
11000 unique CDR3
13 unique J



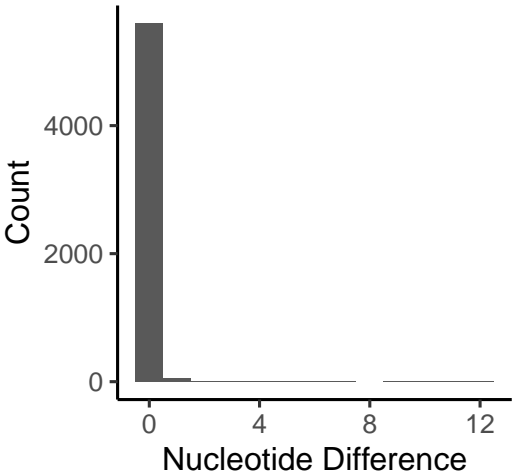
TRBV9*ap01

11287 sequences assigned
11190 (99.1%) exact matches, in which:
10935 unique CDR3
13 unique J



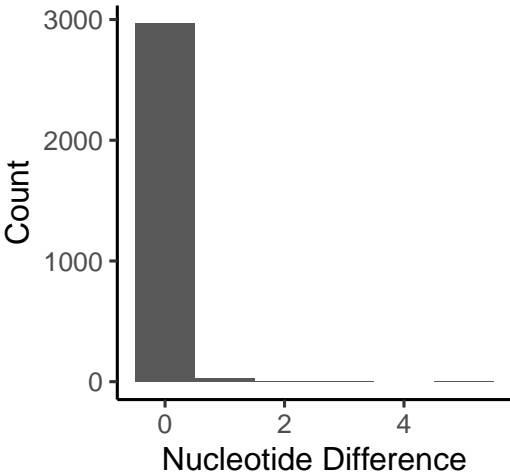
TRBV21-1*ap01

5694 sequences assigned
5597 (98.3%) exact matches, in which:
5460 unique CDR3
14 unique J



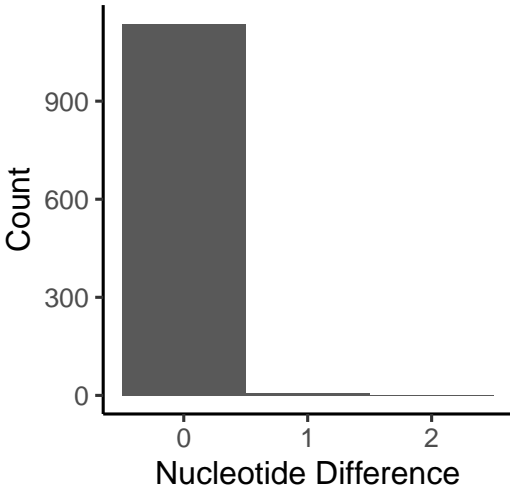
TRBV11-3*ap01

2998 sequences assigned
2968 (99%) exact matches, in which:
2893 unique CDR3
13 unique J



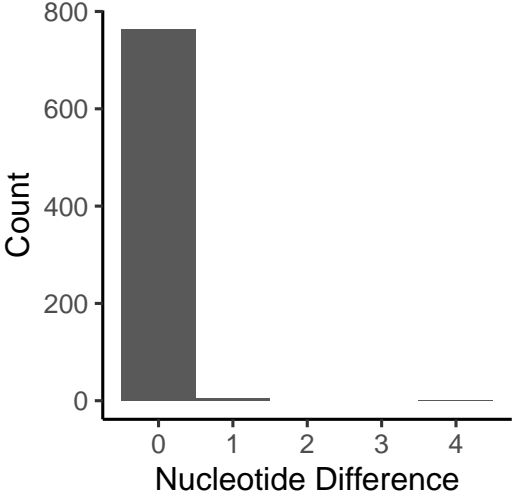
TRBV12-5*ap01

1146 sequences assigned
1137 (99.2%) exact matches, in which:
1109 unique CDR3
13 unique J



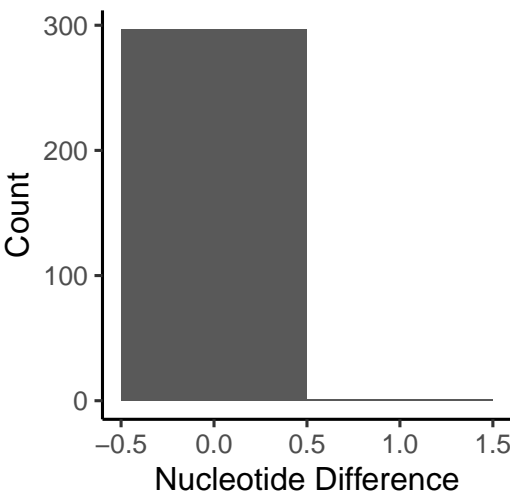
TRBV11-1*ap01

771 sequences assigned
764 (99.1%) exact matches, in which:
749 unique CDR3
13 unique J



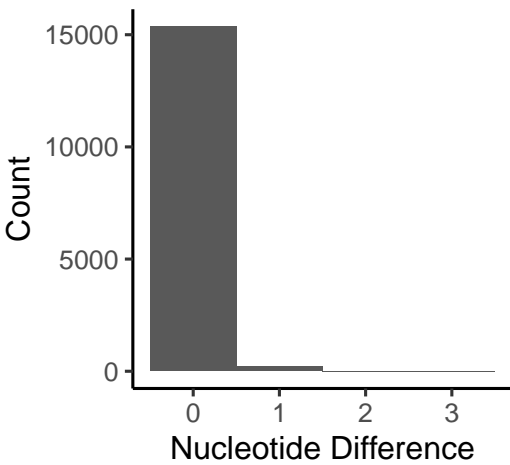
TRBV12-1*ap01

298 sequences assigned
297 (99.7%) exact matches, in which:
285 unique CDR3
13 unique J



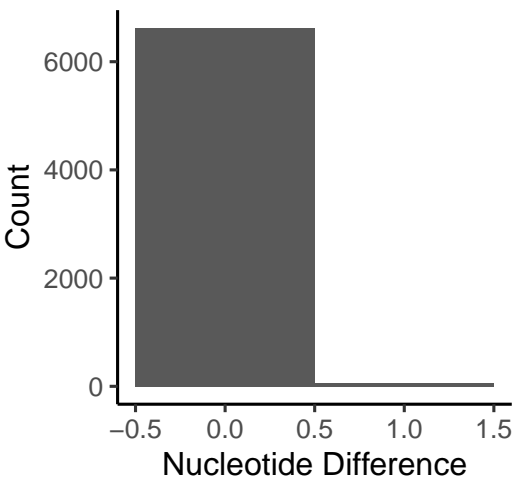
TRBV12-34*ap01

15574 sequences assigned
15368 (98.7%) exact matches, in which:
14984 unique CDR3
13 unique J



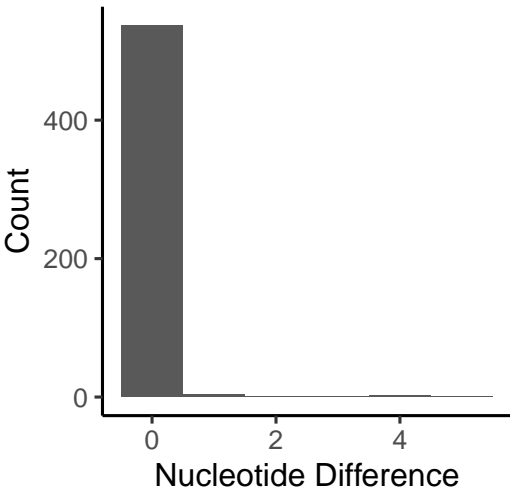
TRBV11-2*ap01

6680 sequences assigned
6622 (99.1%) exact matches, in which:
6470 unique CDR3
13 unique J



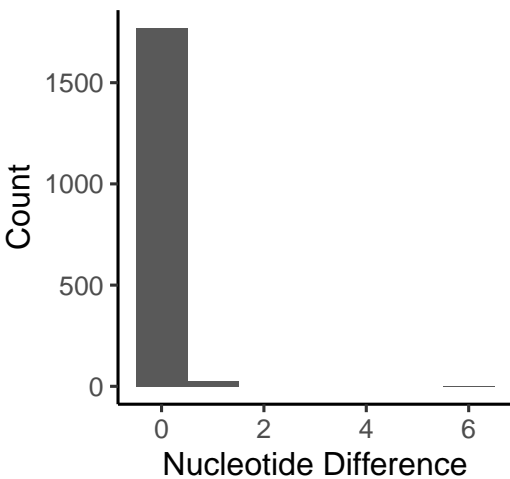
TRBV12-2*ap01

545 sequences assigned
537 (98.5%) exact matches, in which:
523 unique CDR3
13 unique J



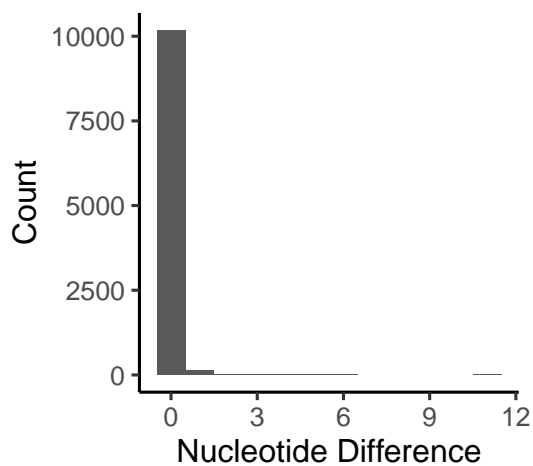
TRBV23-1*ap01

1797 sequences assigned
1770 (98.5%) exact matches, in which:
1719 unique CDR3
13 unique J



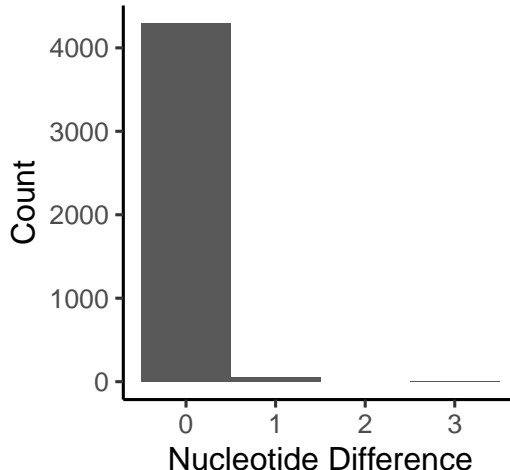
TRBV3-12*ap01

10311 sequences assigned
10179 (98.7%) exact matches, in which:
9886 unique CDR3
13 unique J



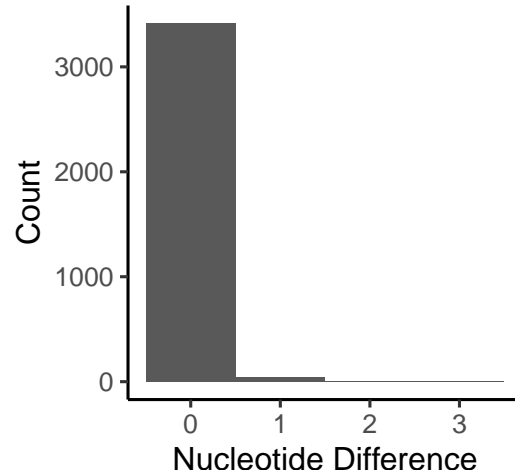
TRBV4-2*ap01

4348 sequences assigned
4293 (98.7%) exact matches, in which:
4184 unique CDR3
13 unique J



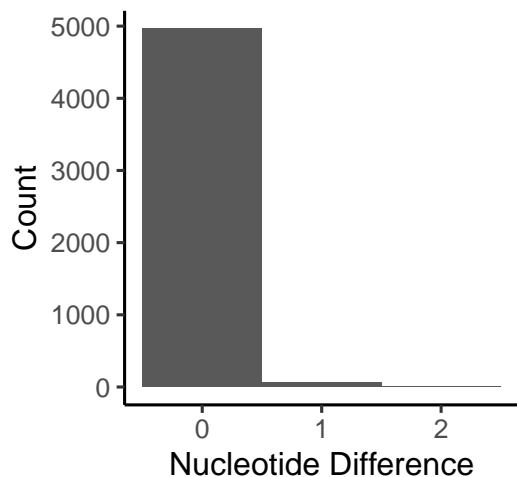
TRBV25-1*ap01

3459 sequences assigned
3414 (98.7%) exact matches, in which:
3345 unique CDR3
13 unique J



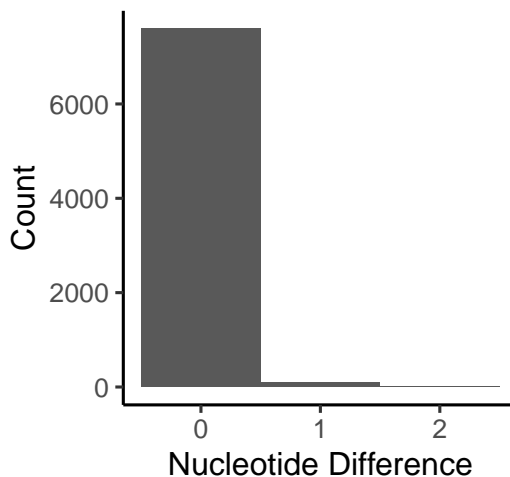
TRBV4-1*ap01

5024 sequences assigned
4964 (98.8%) exact matches, in which:
4840 unique CDR3
13 unique J



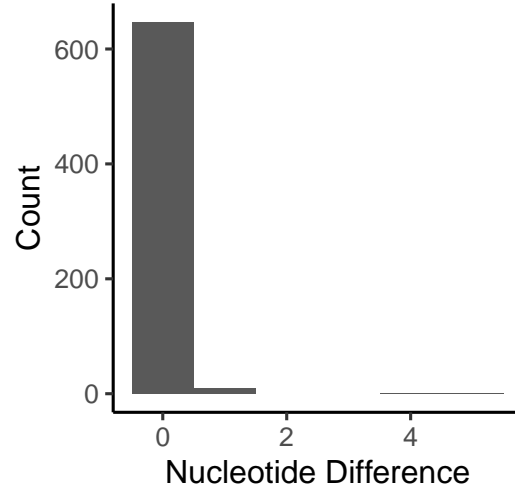
TRBV4-3*ap01

7687 sequences assigned
7595 (98.8%) exact matches, in which:
7424 unique CDR3
13 unique J



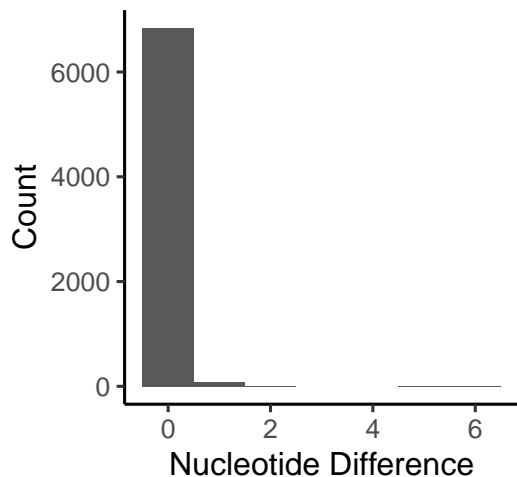
TRBV5-3*ap01

658 sequences assigned
647 (98.3%) exact matches, in which:
636 unique CDR3
13 unique J



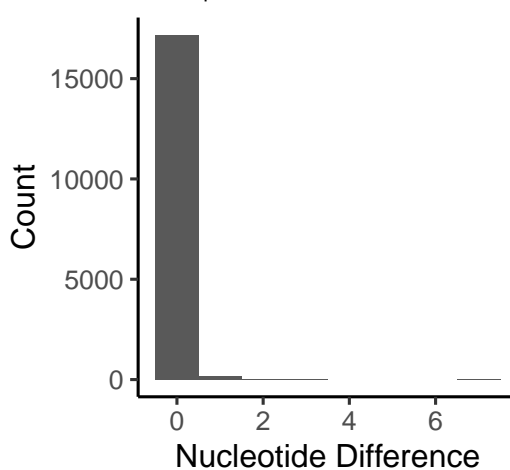
TRBV24-1*ap01

6924 sequences assigned
6839 (98.8%) exact matches, in which:
6700 unique CDR3
13 unique J



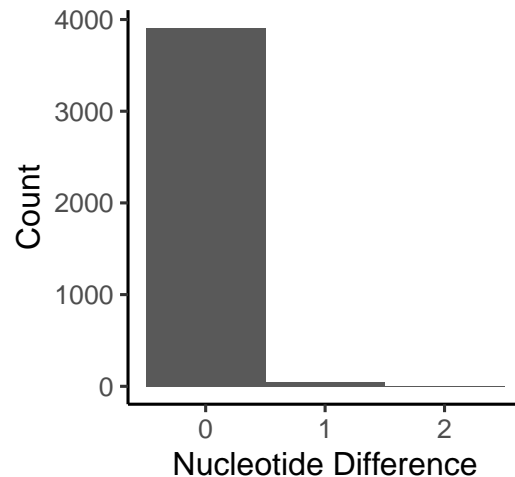
TRBV5-1*ap01

17368 sequences assigned
17185 (98.9%) exact matches, in which:
16679 unique CDR3
13 unique J



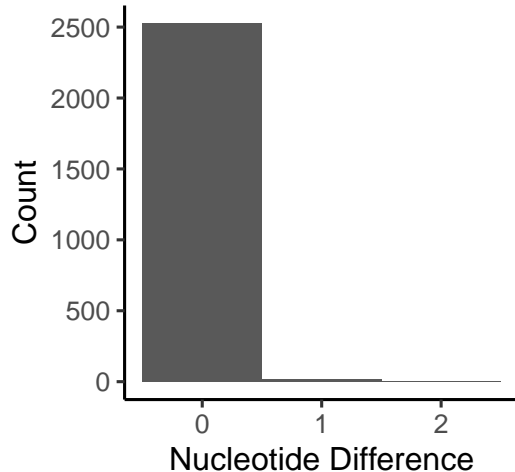
TRBV5-4*ap01

3952 sequences assigned
3907 (98.9%) exact matches, in which:
3794 unique CDR3
13 unique J



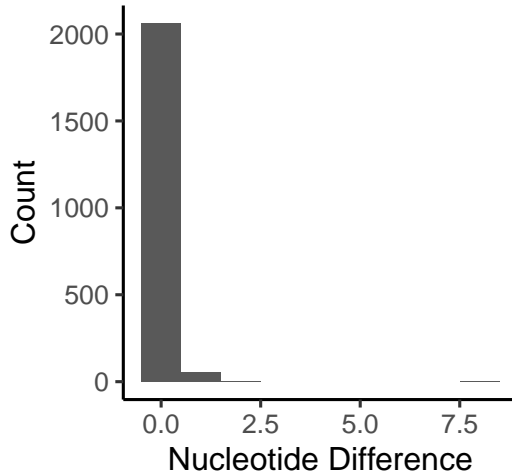
TRBV5-5*ap01

2547 sequences assigned
2526 (99.2%) exact matches, in which:
2484 unique CDR3
13 unique J



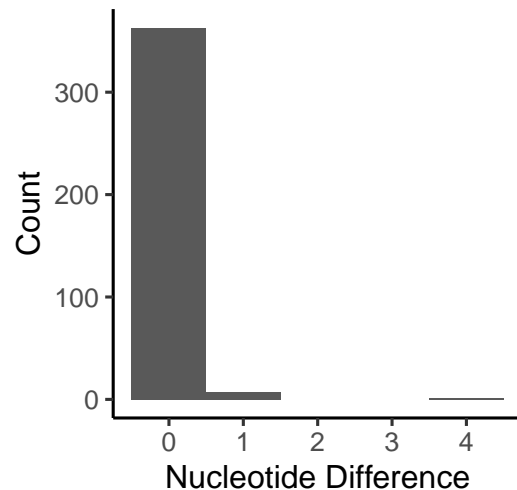
TRBV5-8*ap01

2118 sequences assigned
2061 (97.3%) exact matches, in which:
2008 unique CDR3
13 unique J



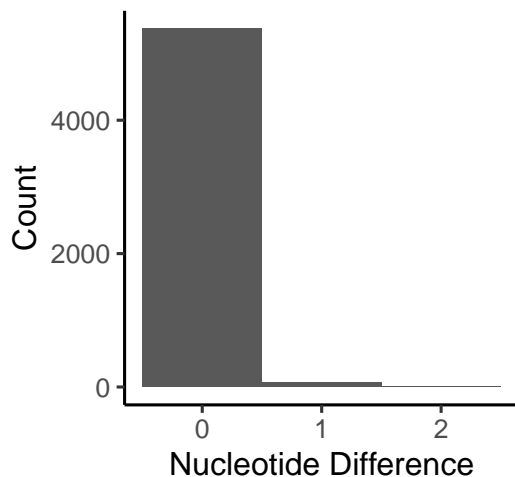
TRBV6-7*ap01

371 sequences assigned
363 (97.8%) exact matches, in which:
352 unique CDR3
13 unique J



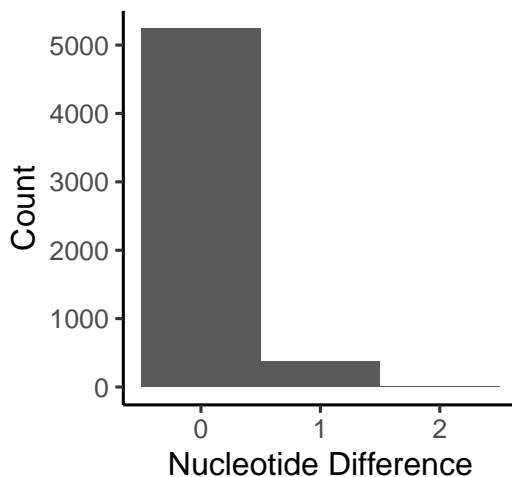
TRBV5-6*ap01

5439 sequences assigned
5372 (98.8%) exact matches, in which:
5218 unique CDR3
13 unique J



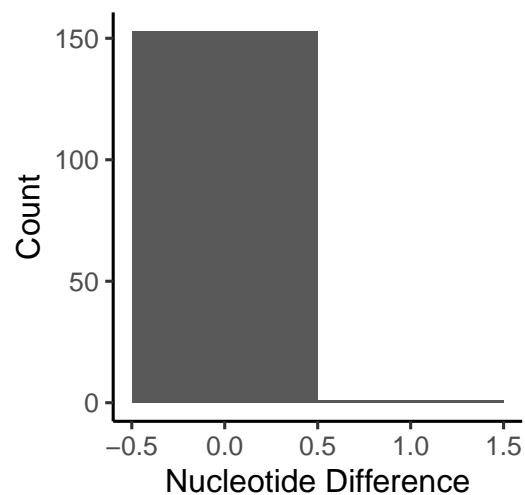
TRBV6-1*ap01

5616 sequences assigned
5239 (93.3%) exact matches, in which:
5110 unique CDR3
13 unique J



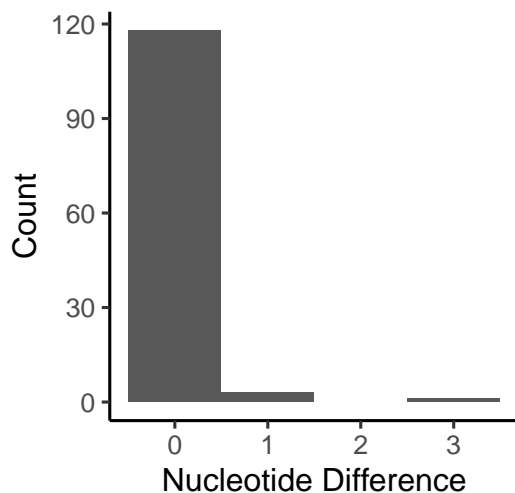
TRBV6-8*ap01

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



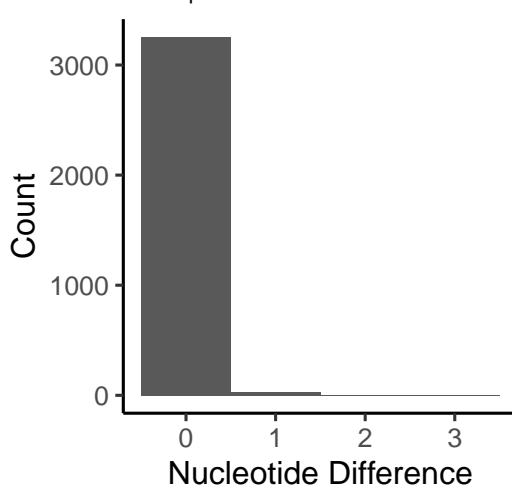
TRBV5-7*ap01

122 sequences assigned
118 (96.7%) exact matches, in which:
114 unique CDR3
13 unique J



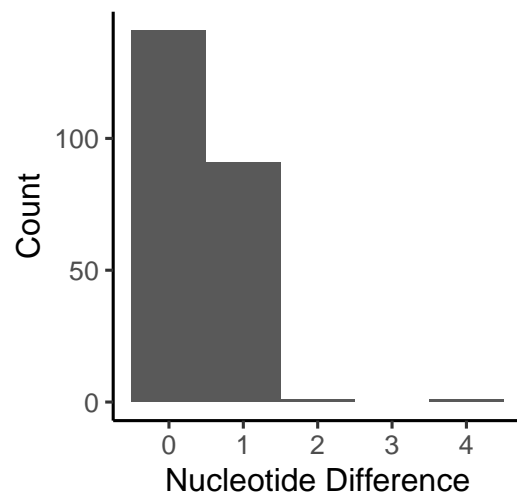
TRBV6-4*ap01

3294 sequences assigned
3254 (98.8%) exact matches, in which:
3185 unique CDR3
13 unique J



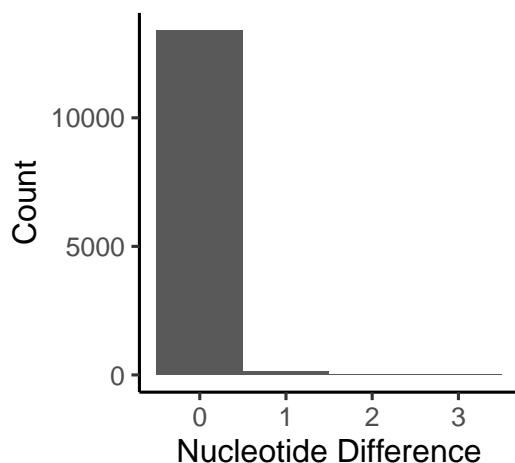
TRBV6-9*ap01

234 sequences assigned
141 (60.3%) exact matches, in which:
138 unique CDR3
13 unique J



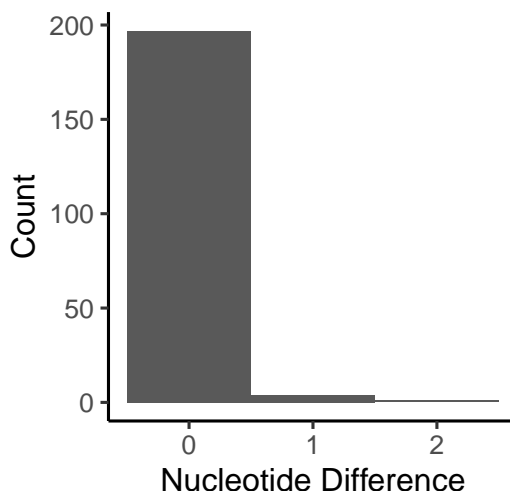
TRBV6-23*ap01

13541 sequences assigned
13409 (99%) exact matches, in which:
13038 unique CDR3
13 unique J



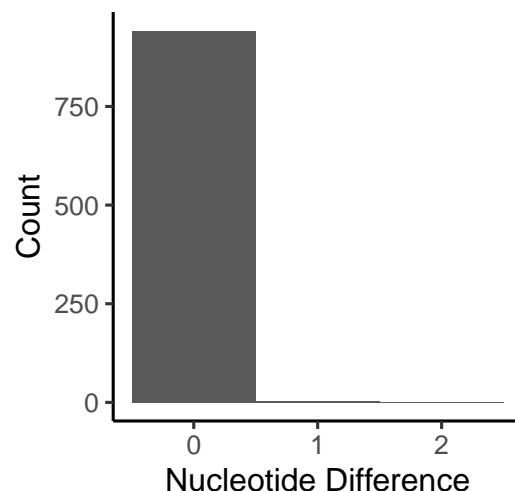
TRBV7-1*ap01_G291C_

202 sequences assigned
197 (97.5%) exact matches, in which:
193 unique CDR3
13 unique J



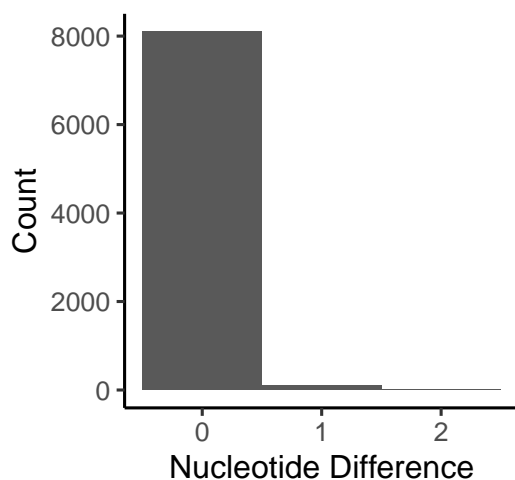
TRBV7-3*ap02

947 sequences assigned
942 (99.5%) exact matches, in which:
924 unique CDR3
13 unique J



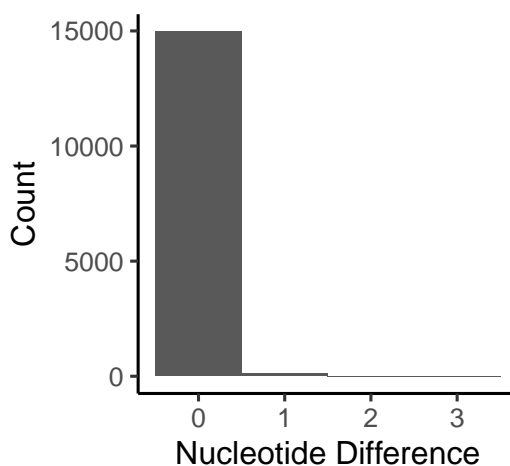
TRBV6-56*ap01

8206 sequences assigned
8099 (98.7%) exact matches, in which:
7894 unique CDR3
13 unique J



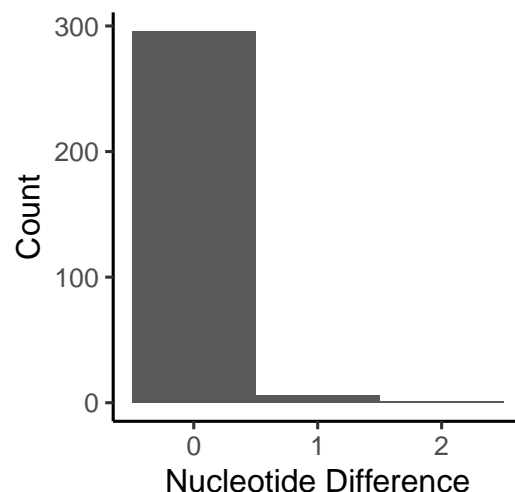
TRBV7-2*ap01

15096 sequences assigned
14976 (99.2%) exact matches, in which:
14611 unique CDR3
13 unique J



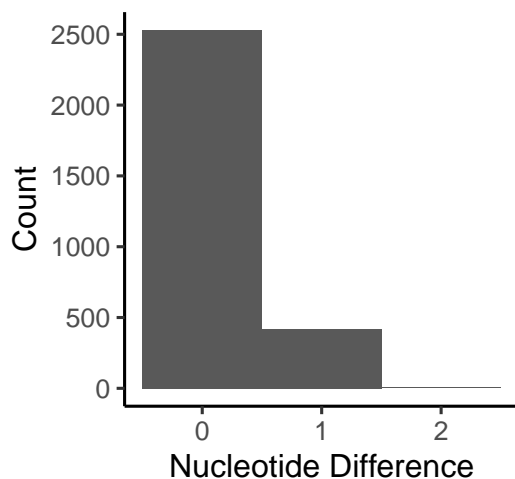
TRBV7-4*ap01

303 sequences assigned
296 (97.7%) exact matches, in which:
286 unique CDR3
13 unique J



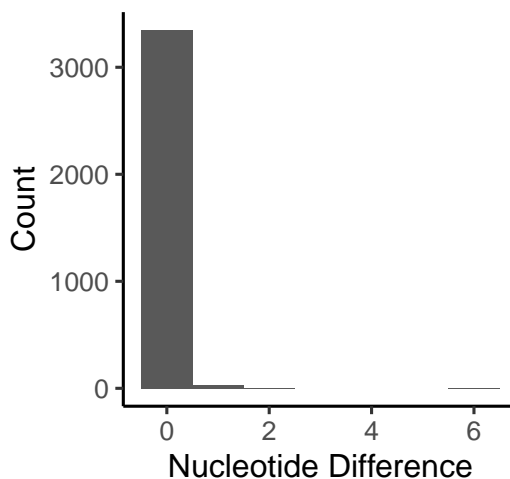
TRBV6-56*ap02

2956 sequences assigned
2530 (85.6%) exact matches, in which:
2464 unique CDR3
13 unique J



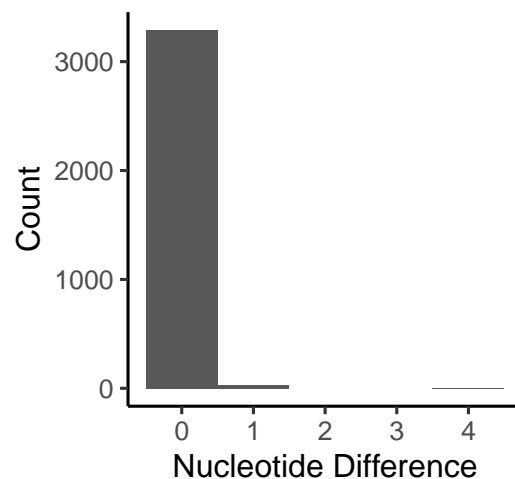
TRBV7-3*ap01

3383 sequences assigned
3348 (99%) exact matches, in which:
3281 unique CDR3
13 unique J



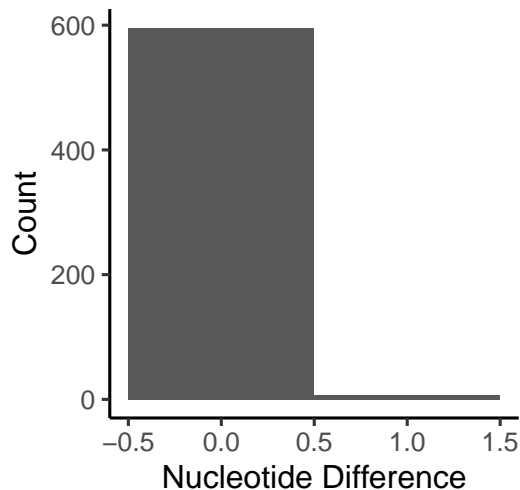
TRBV7-6*ap01

3321 sequences assigned
3290 (99.1%) exact matches, in which:
3206 unique CDR3
13 unique J



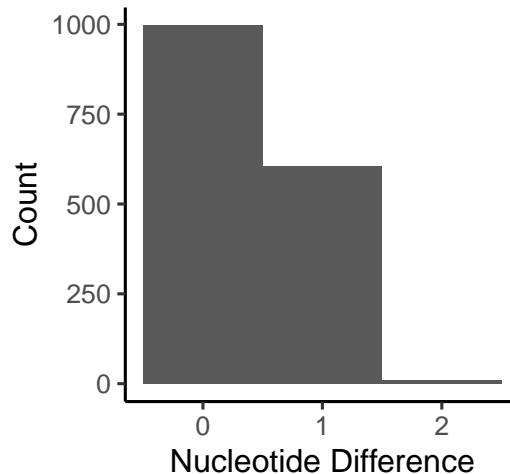
TRBV7-7*ap01

603 sequences assigned
596 (98.8%) exact matches, in which:
585 unique CDR3
13 unique J



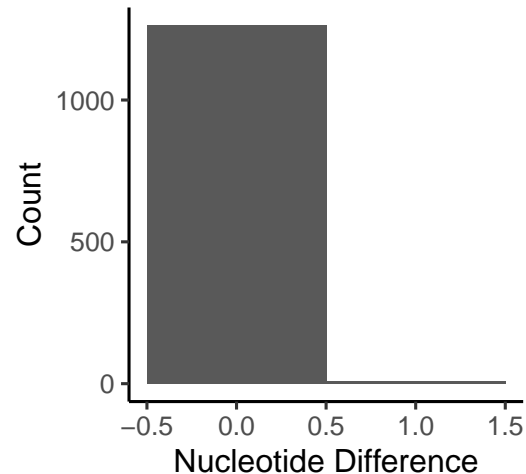
TRBV7-8*ap03

1613 sequences assigned
997 (61.8%) exact matches, in which:
976 unique CDR3
13 unique J



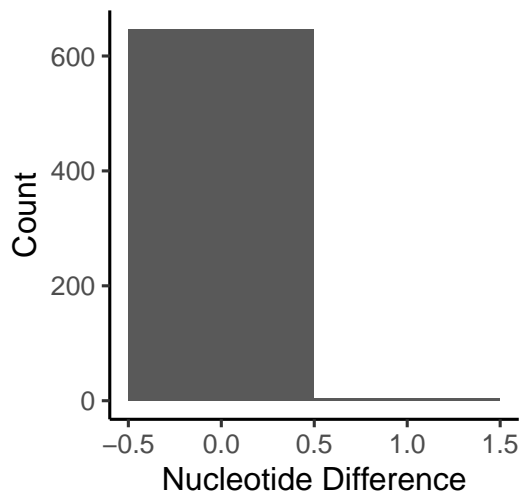
TRBV29-1*ap02

1273 sequences assigned
1263 (99.2%) exact matches, in which:
1245 unique CDR3
13 unique J



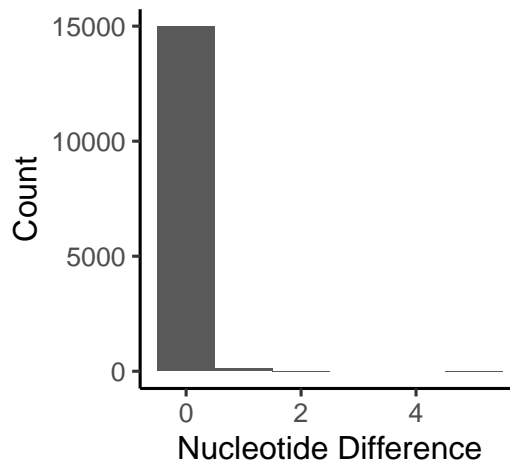
TRBV7-7*ap01_C315T

652 sequences assigned
647 (99.2%) exact matches, in which:
624 unique CDR3
13 unique J



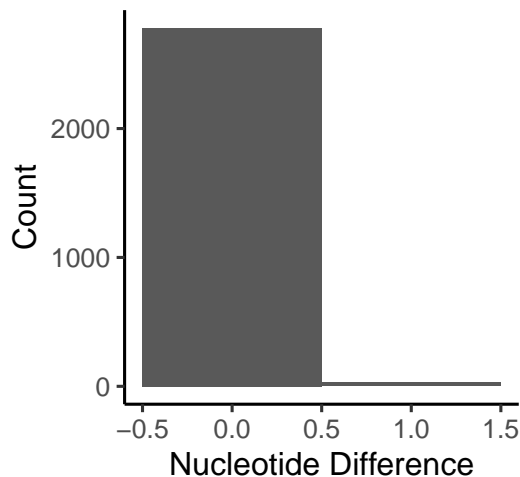
TRBV7-9*ap01

15107 sequences assigned
14985 (99.2%) exact matches, in which:
14696 unique CDR3
13 unique J



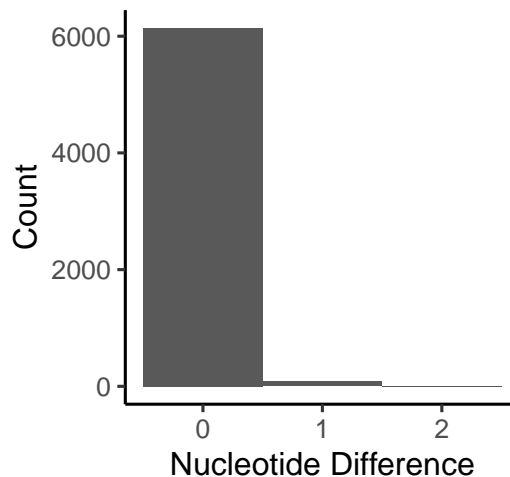
TRBV7-8*ap01

2809 sequences assigned
2780 (99%) exact matches, in which:
2685 unique CDR3
13 unique J

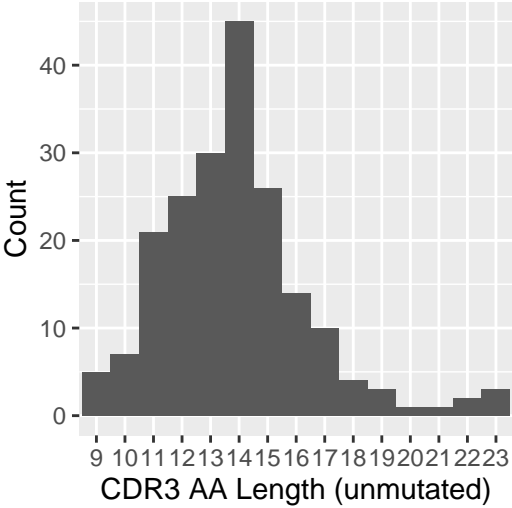


TRBV29-1*ap01

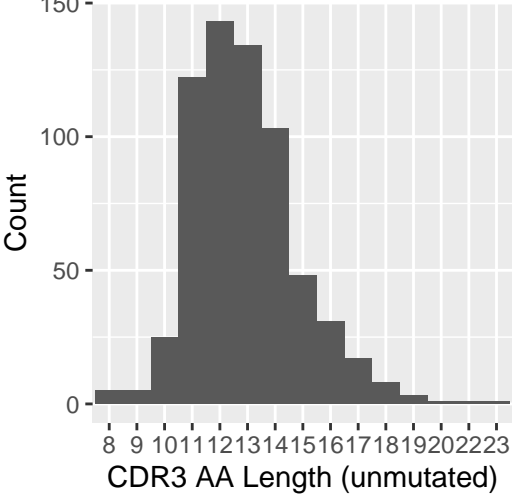
6221 sequences assigned
6140 (98.7%) exact matches, in which:
5994 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]