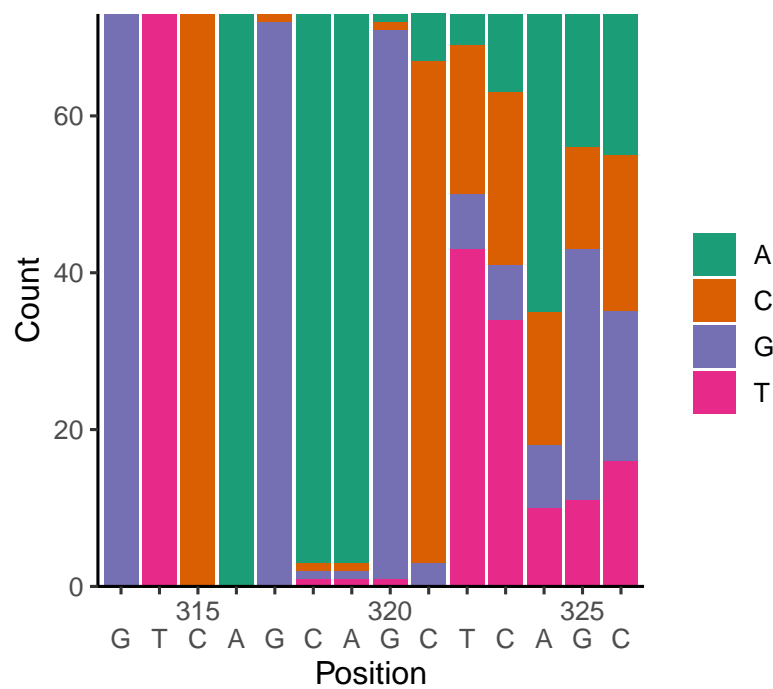
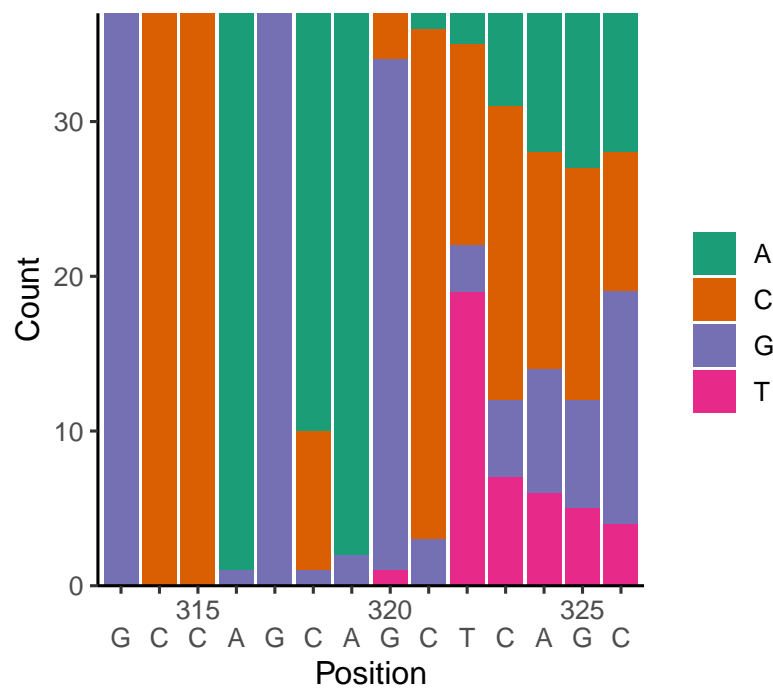


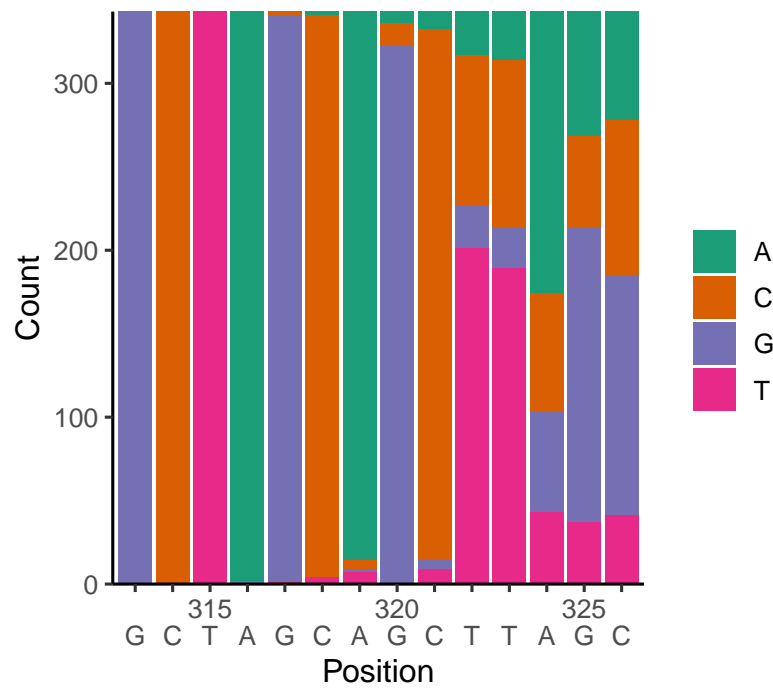
Gene TRBV7-1*ap01_T296C_C314T



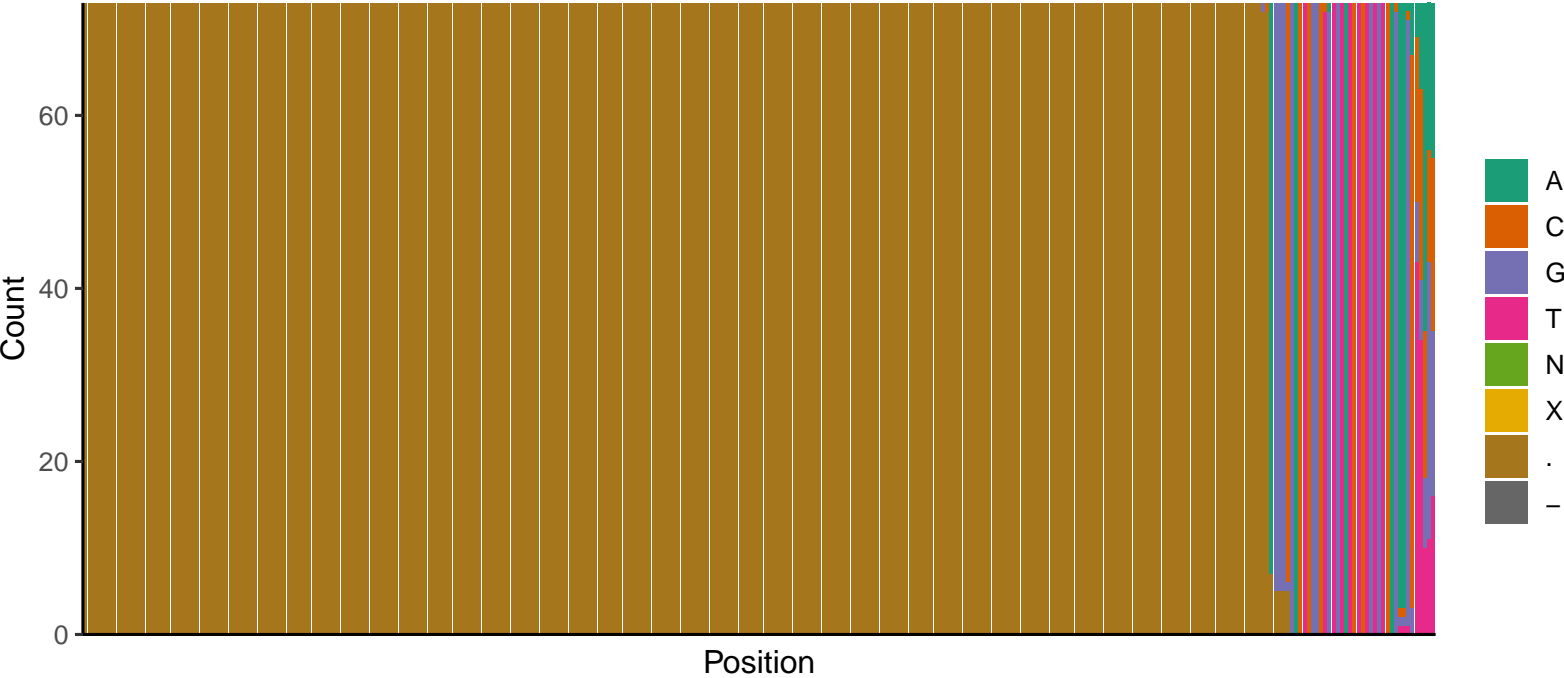
Gene TRBV7-1*ap01_T296C



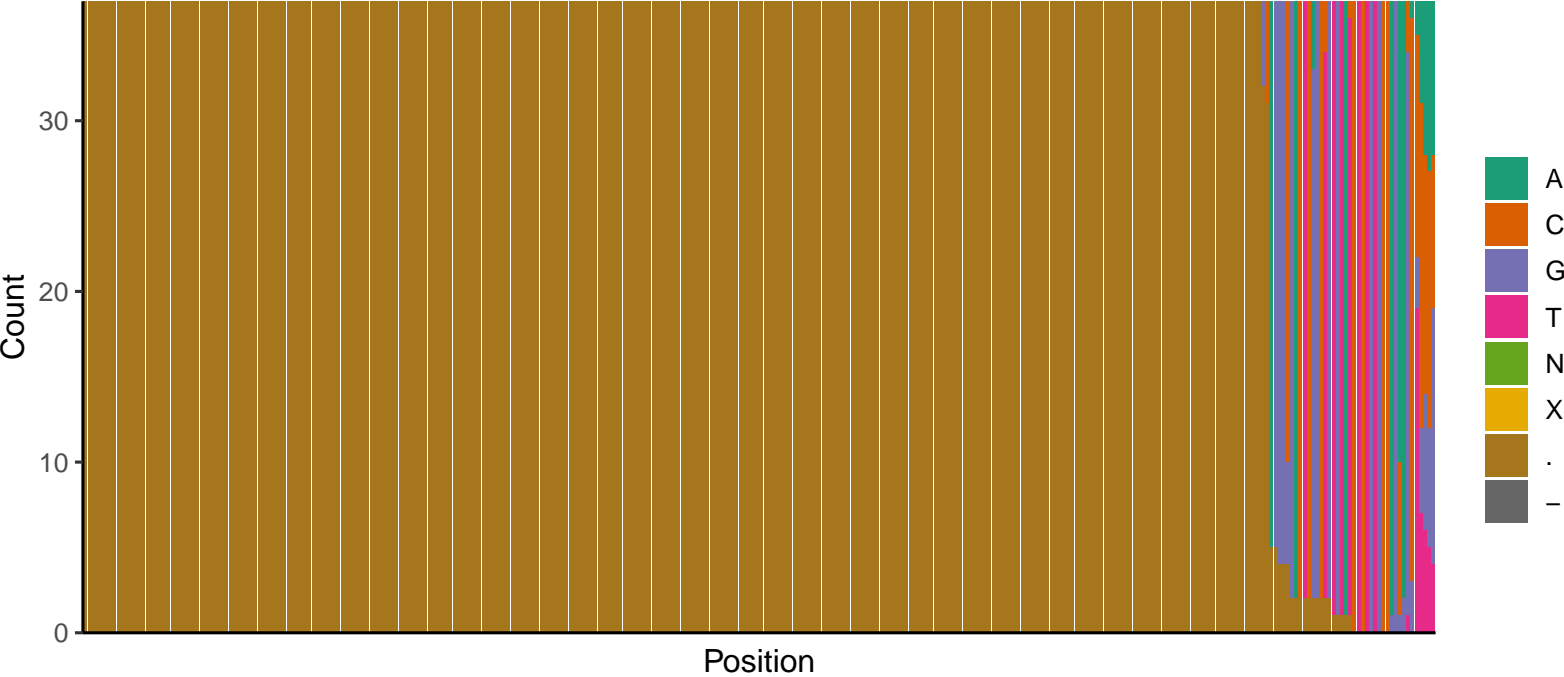
Gene TRBV7-7*ap01_C315T



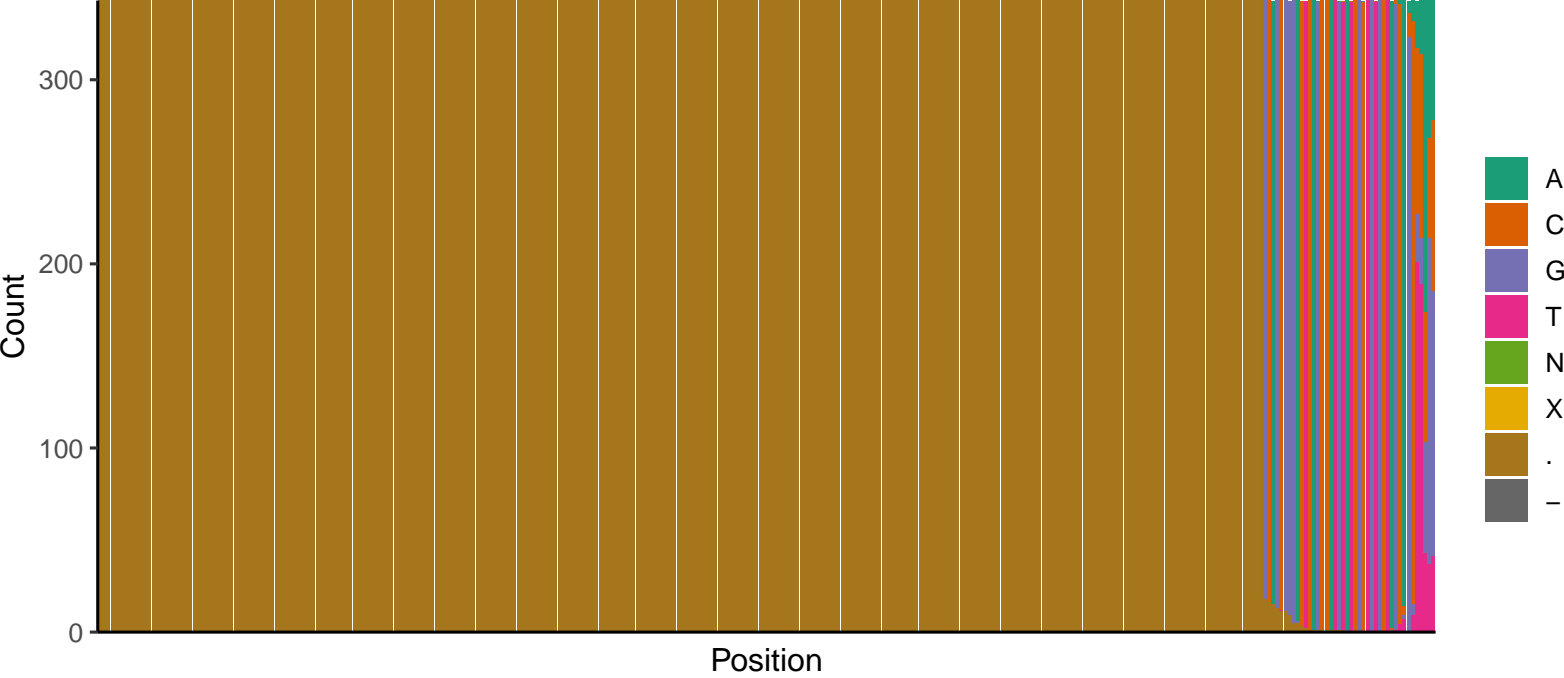
Gene TRBV7-1*ap01_T296C_C314T



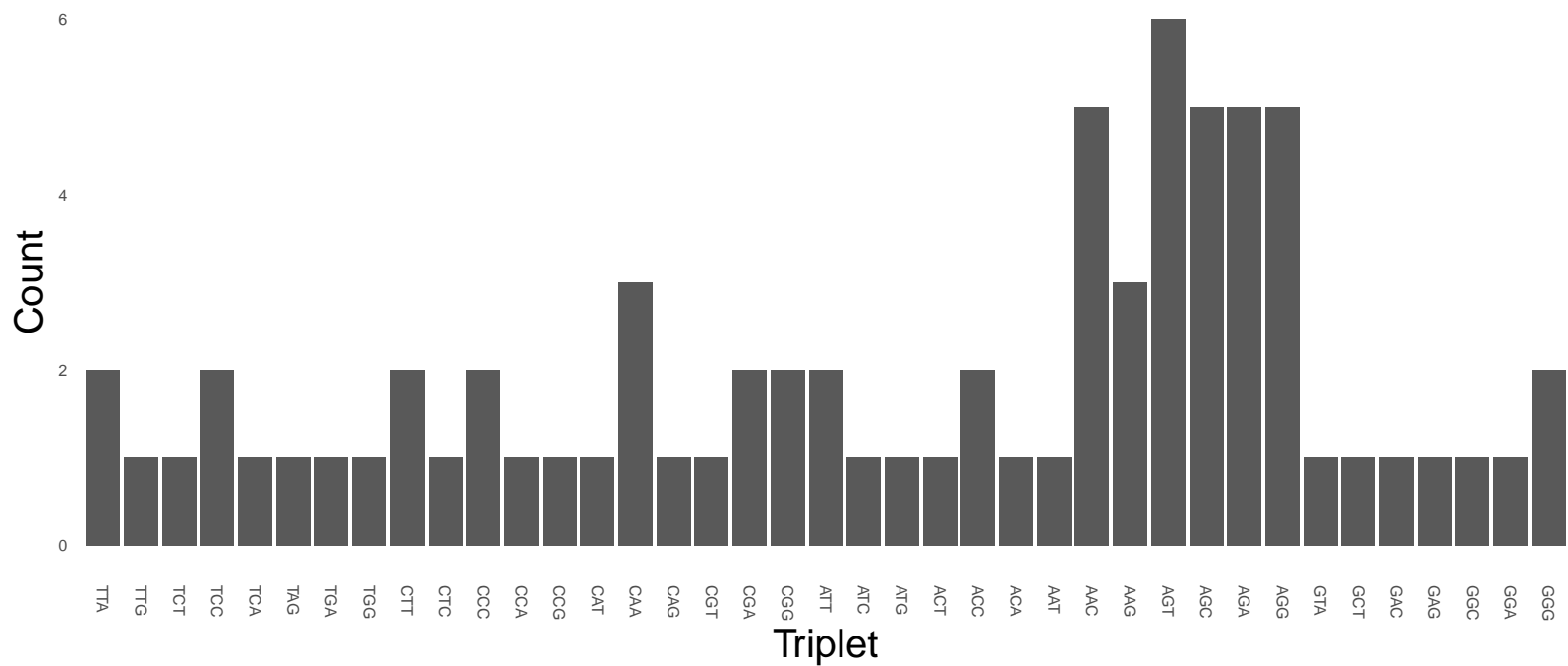
Gene TRBV7-1*ap01_T296C



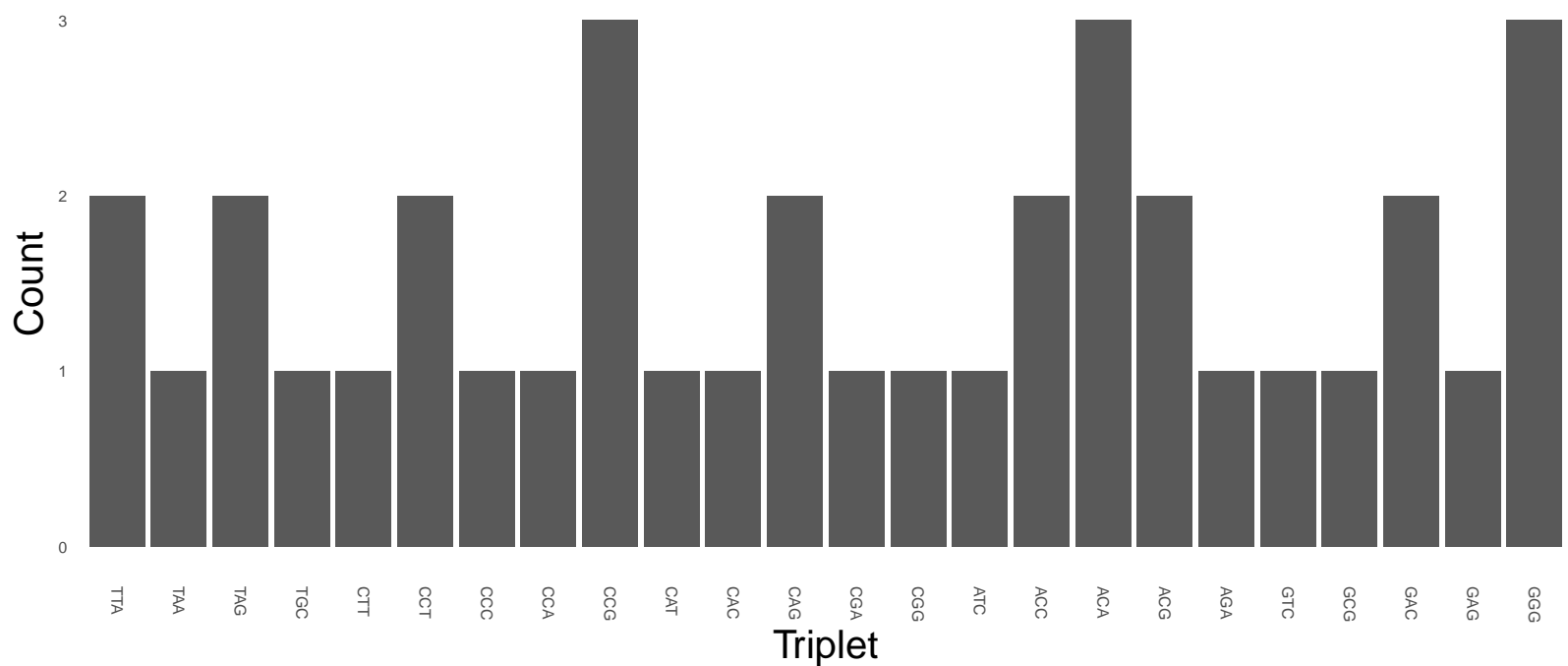
Gene TRBV7-7*ap01_C315T



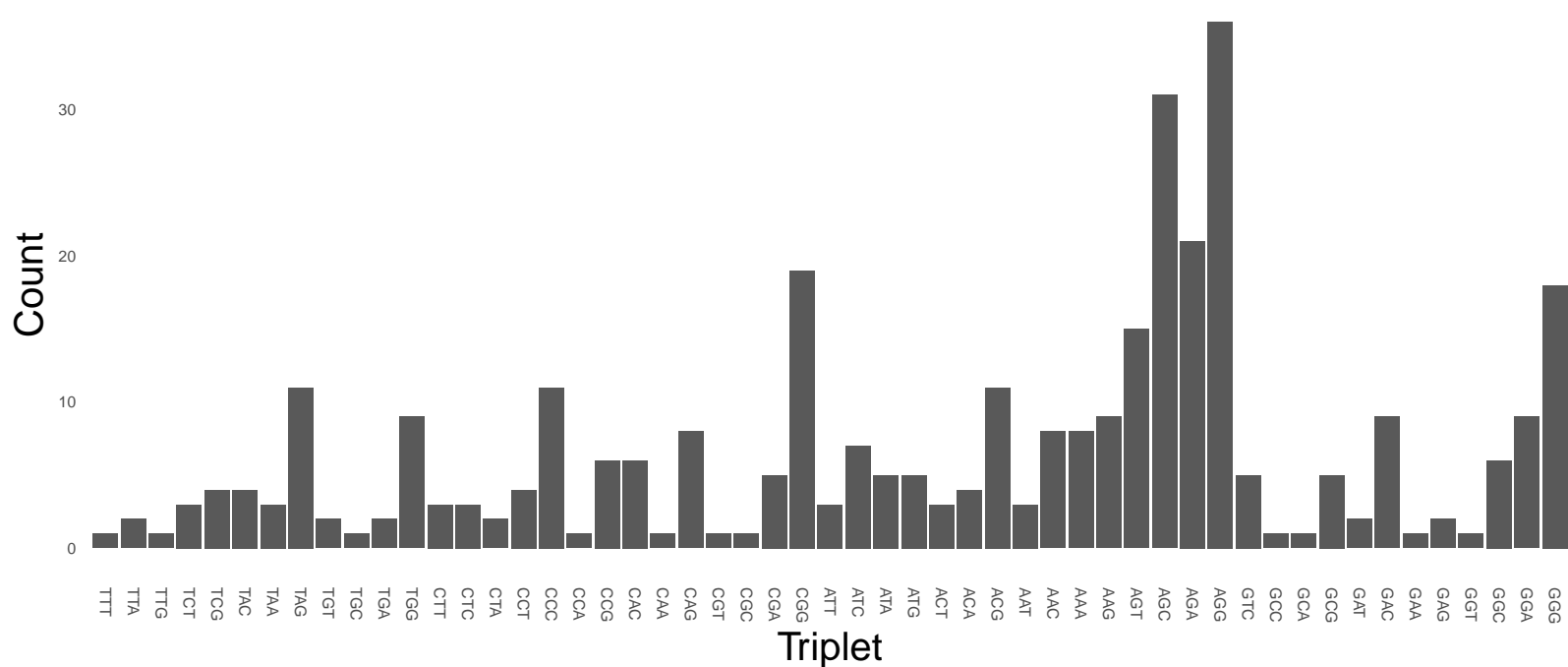
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

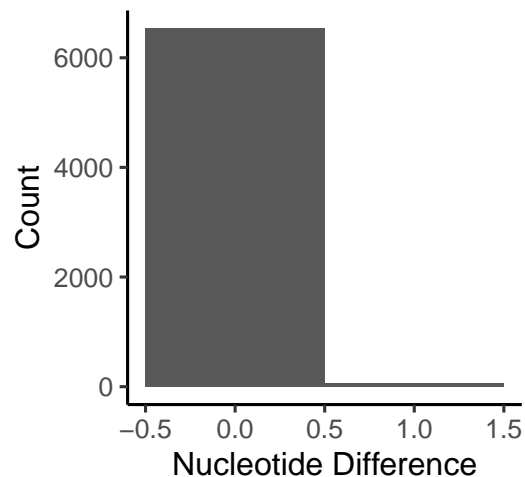


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



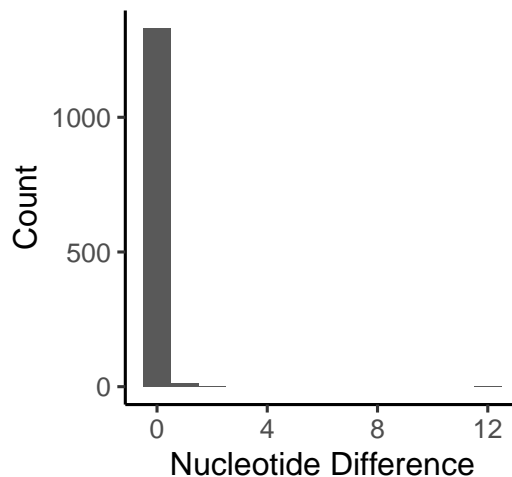
TRBV20-1*ap01

6605 sequences assigned
6535 (98.9%) exact matches, in which:
6436 unique CDR3
13 unique J



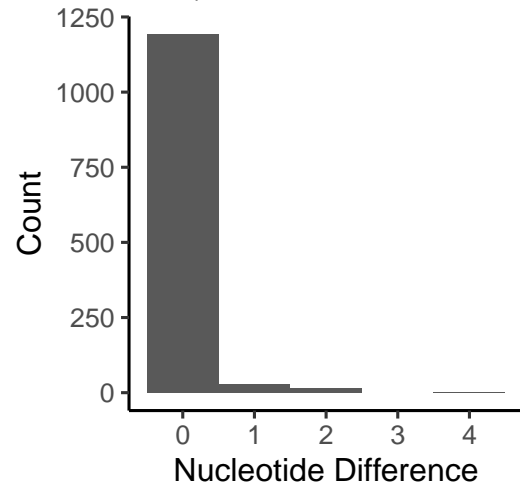
TRBV10-2*ap01

1345 sequences assigned
1330 (98.9%) exact matches, in which:
1305 unique CDR3
13 unique J



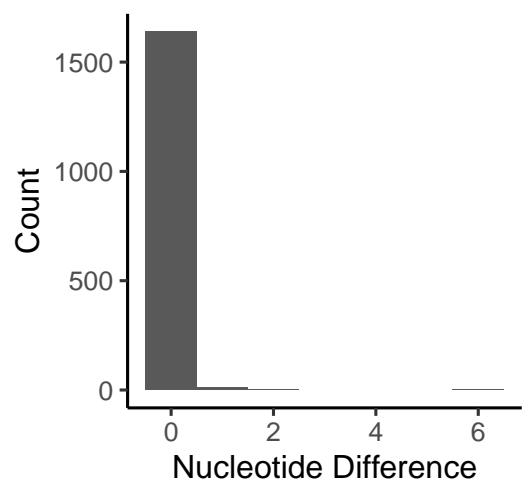
TRBV13*ap01

1236 sequences assigned
1192 (96.4%) exact matches, in which:
1166 unique CDR3
13 unique J



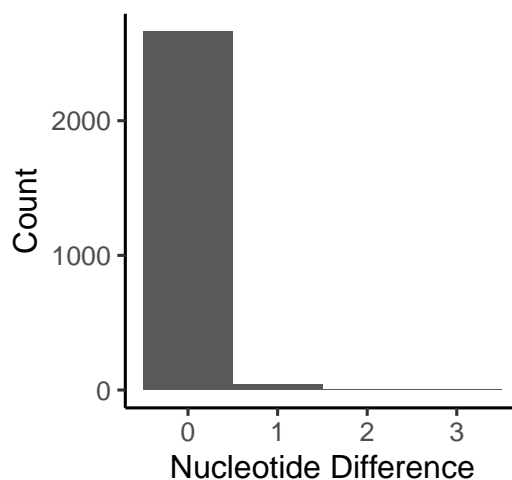
TRBV10-1*ap01

1652 sequences assigned
1639 (99.2%) exact matches, in which:
1605 unique CDR3
13 unique J



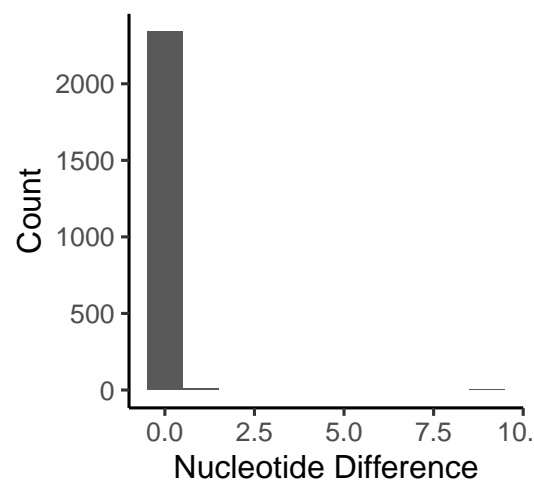
TRBV10-3*ap01

2702 sequences assigned
2661 (98.5%) exact matches, in which:
2595 unique CDR3
13 unique J



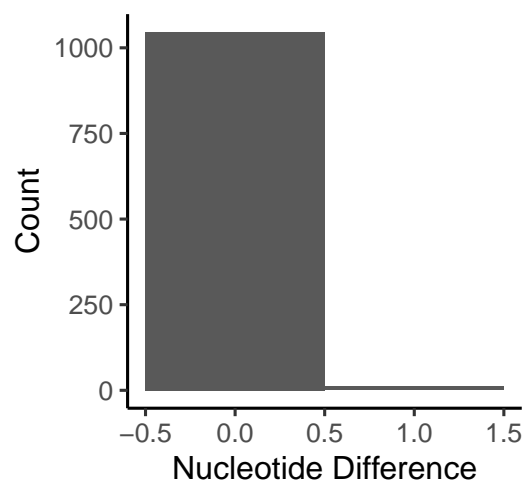
TRBV14*ap01

2353 sequences assigned
2340 (99.4%) exact matches, in which:
2315 unique CDR3
13 unique J



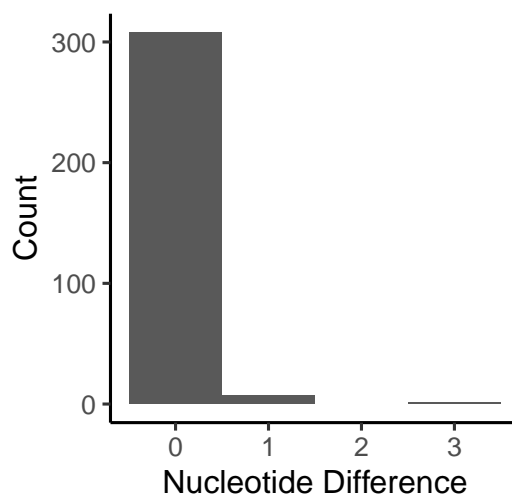
TRBV20-1*ap02

1057 sequences assigned
1046 (99%) exact matches, in which:
1027 unique CDR3
13 unique J



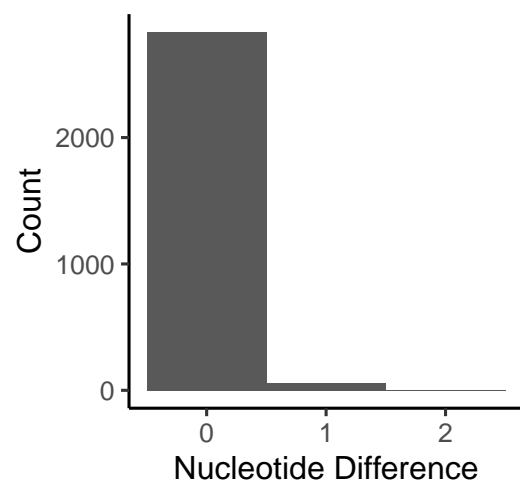
TRBV1*ap01

316 sequences assigned
308 (97.5%) exact matches, in which:
300 unique CDR3
13 unique J



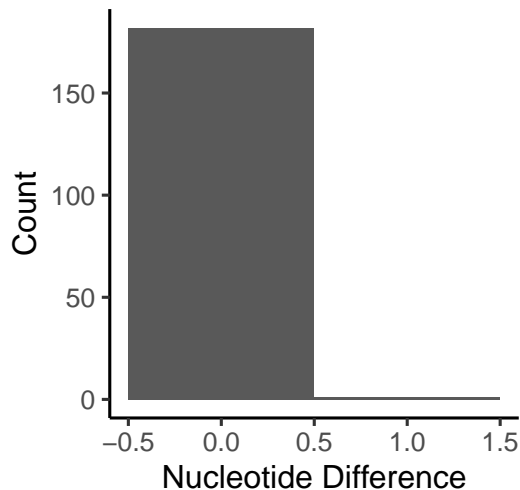
TRBV15*ap02

2895 sequences assigned
2835 (97.9%) exact matches, in which:
2770 unique CDR3
13 unique J



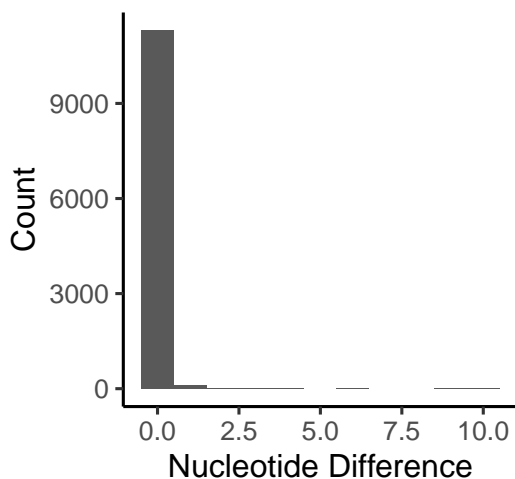
TRBV16*ap01

183 sequences assigned
182 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



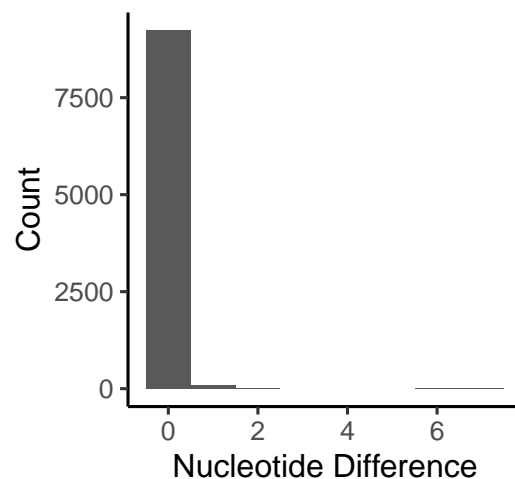
TRBV19*ap01

11431 sequences assigned
11304 (98.9%) exact matches, in which:
11177 unique CDR3
13 unique J



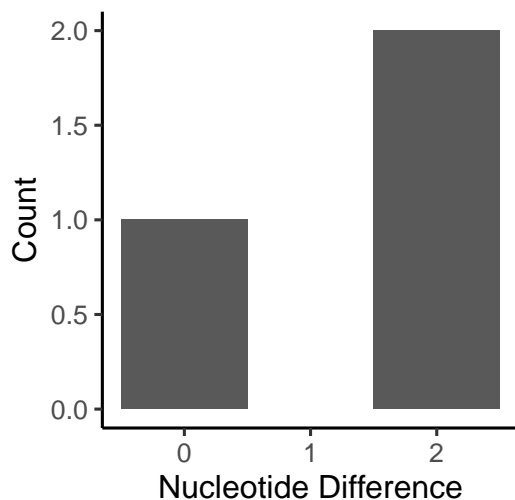
TRBV28*ap01

9344 sequences assigned
9233 (98.8%) exact matches, in which:
9089 unique CDR3
13 unique J



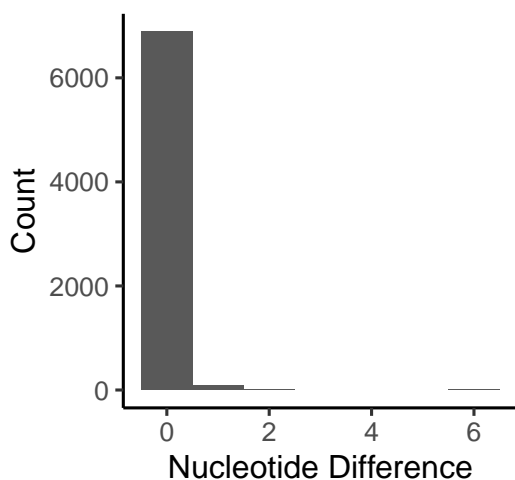
TRBV17*ap01

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



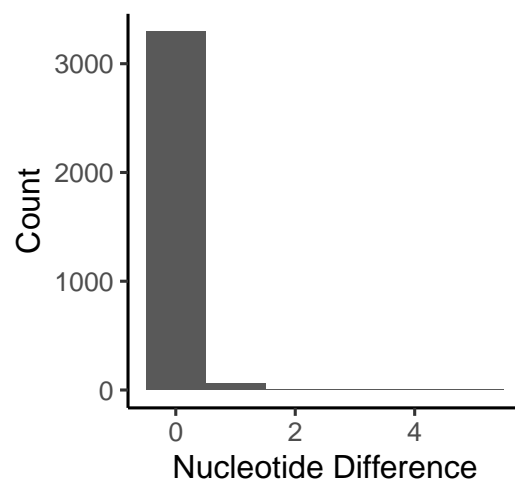
TRBV2*ap01

6971 sequences assigned
6886 (98.8%) exact matches, in which:
6733 unique CDR3
13 unique J



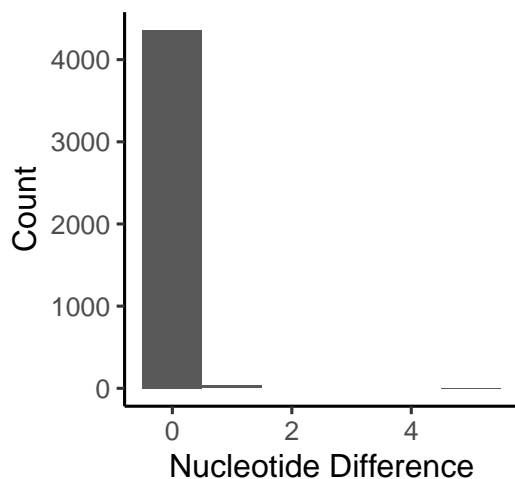
TRBV30*ap01

3362 sequences assigned
3294 (98%) exact matches, in which:
3223 unique CDR3
13 unique J



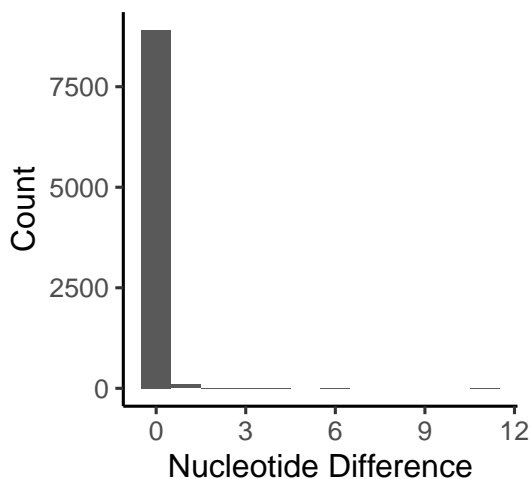
TRBV18*ap01

4397 sequences assigned
4360 (99.2%) exact matches, in which:
4324 unique CDR3
13 unique J



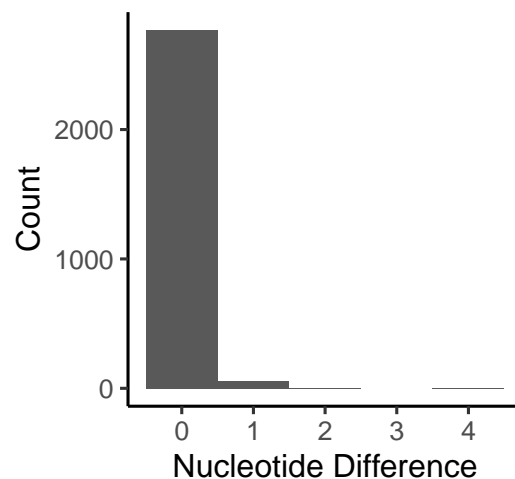
TRBV27*ap01

9013 sequences assigned
8909 (98.8%) exact matches, in which:
8717 unique CDR3
13 unique J



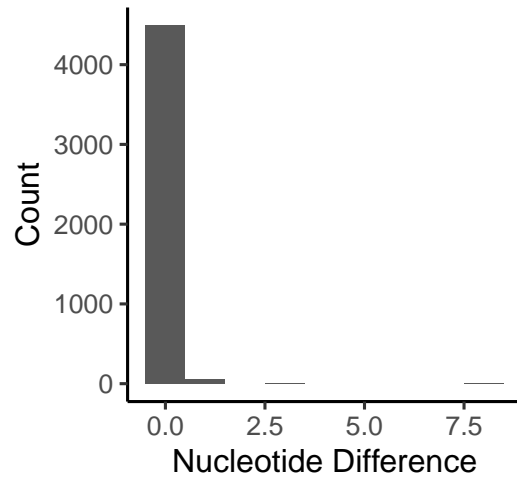
TRBV30*ap02

2830 sequences assigned
2769 (97.8%) exact matches, in which:
2685 unique CDR3
13 unique J



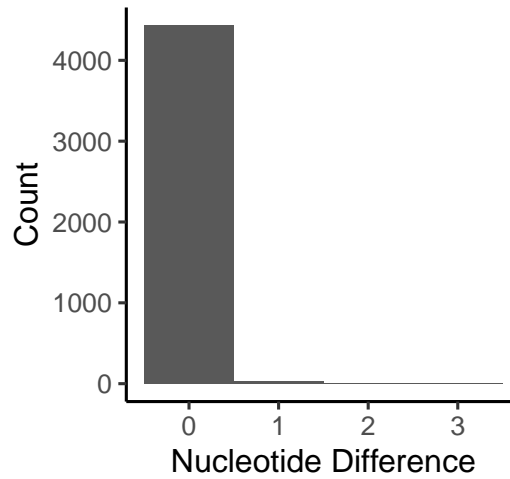
TRBV9*ap01

4551 sequences assigned
4492 (98.7%) exact matches, in which:
4443 unique CDR3
13 unique J



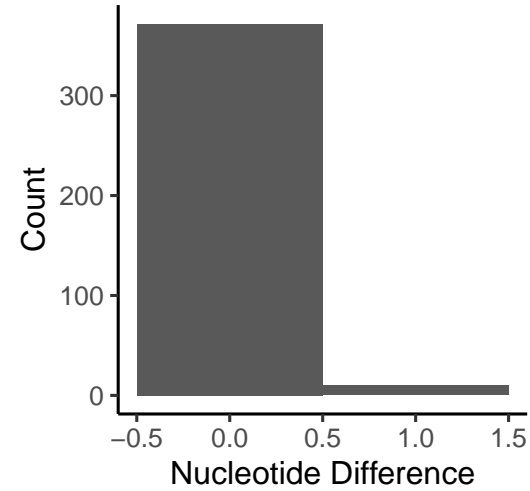
TRBV11-2*ap01

4466 sequences assigned
4432 (99.2%) exact matches, in which:
4348 unique CDR3
13 unique J



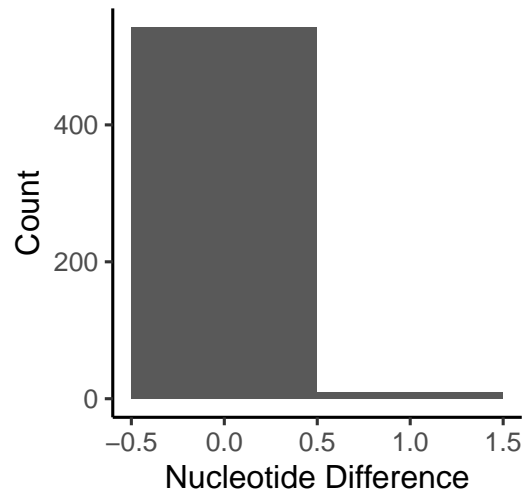
TRBV12-2*ap01

382 sequences assigned
372 (97.4%) exact matches, in which:
362 unique CDR3
13 unique J



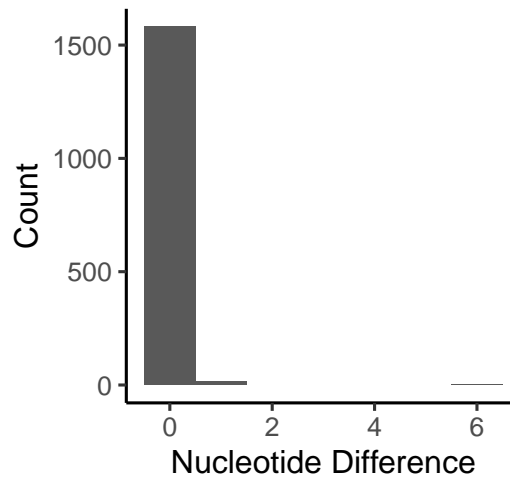
TRBV11-1*ap01

552 sequences assigned
543 (98.4%) exact matches, in which:
539 unique CDR3
13 unique J



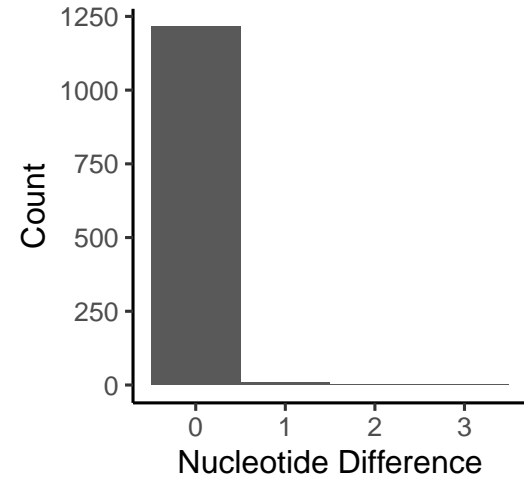
TRBV11-3*ap01

1597 sequences assigned
1581 (99%) exact matches, in which:
1562 unique CDR3
13 unique J



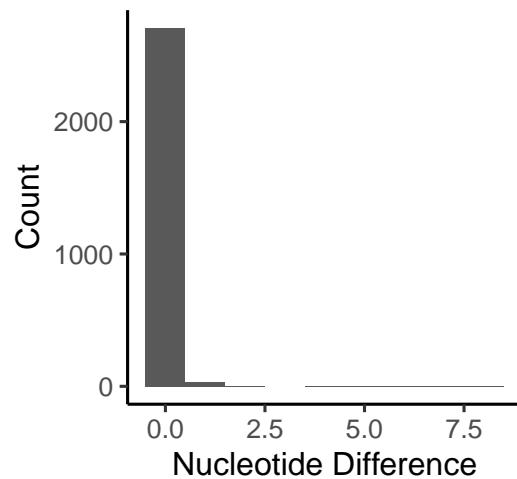
TRBV12-5*ap01

1227 sequences assigned
1215 (99%) exact matches, in which:
1194 unique CDR3
13 unique J



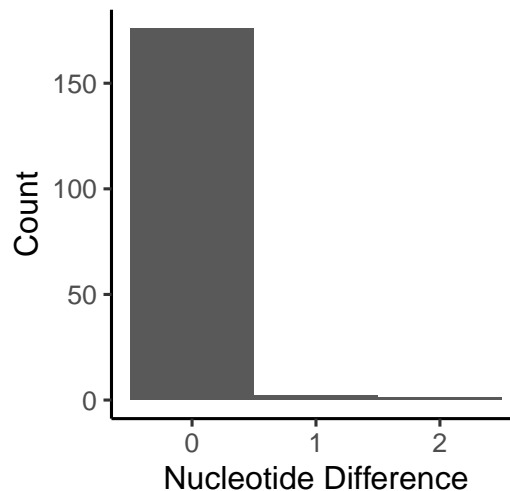
TRBV21-1*ap01

2751 sequences assigned
2707 (98.4%) exact matches, in which:
2675 unique CDR3
13 unique J



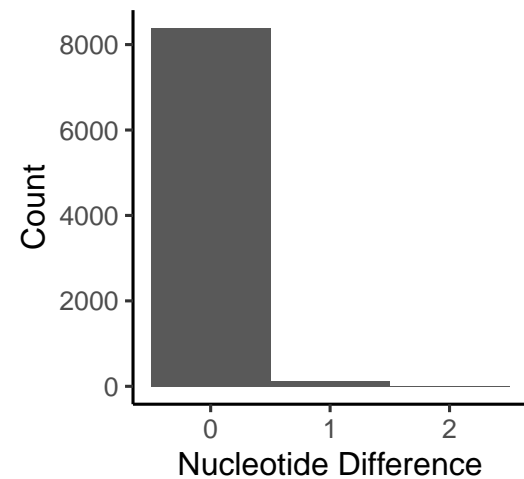
TRBV12-1*ap01

179 sequences assigned
176 (98.3%) exact matches, in which:
173 unique CDR3
13 unique J



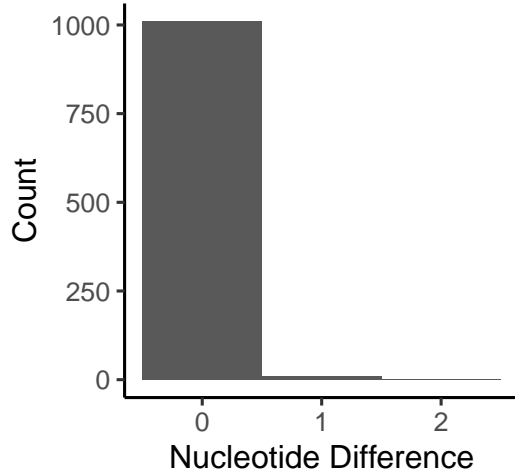
TRBV12-34*ap01

8507 sequences assigned
8387 (98.6%) exact matches, in which:
8228 unique CDR3
13 unique J



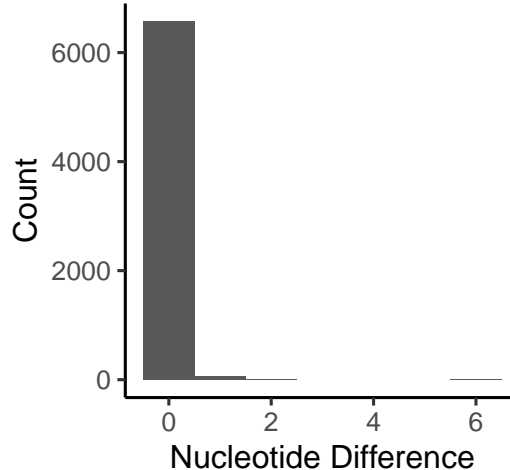
TRBV23-1*ap01

1020 sequences assigned
1010 (99%) exact matches, in which:
995 unique CDR3
14 unique J



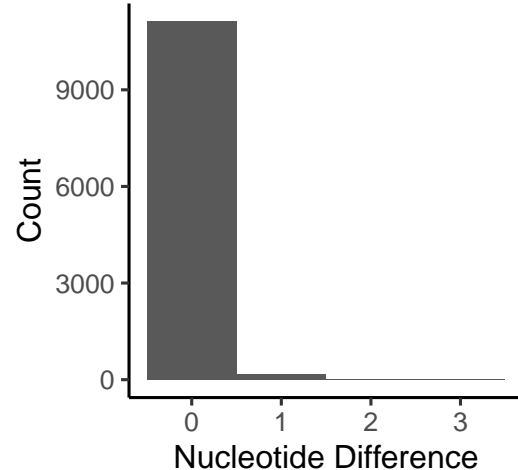
TRBV4-1*ap01

6642 sequences assigned
6572 (98.9%) exact matches, in which:
6390 unique CDR3
13 unique J



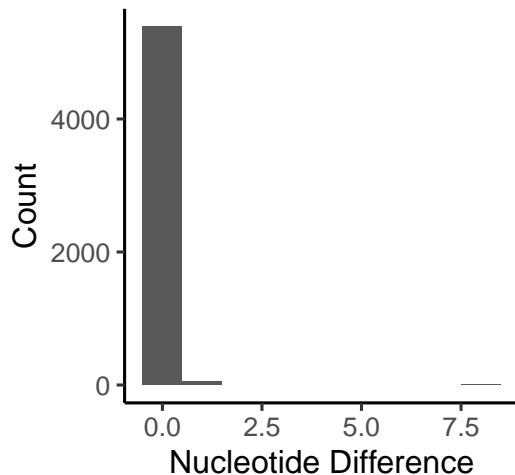
TRBV5-1*ap01

11292 sequences assigned
11124 (98.5%) exact matches, in which:
10842 unique CDR3
13 unique J



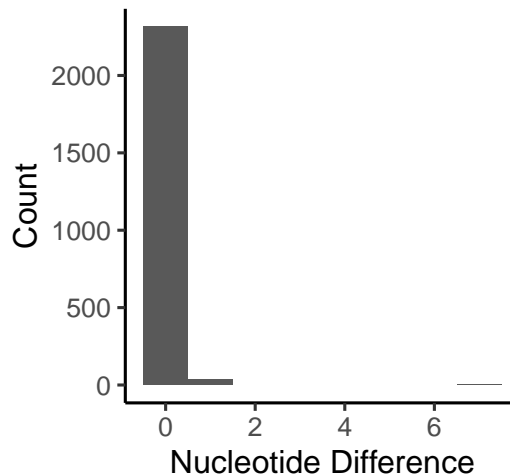
TRBV3-12*ap01

5437 sequences assigned
5387 (99.1%) exact matches, in which:
5324 unique CDR3
13 unique J



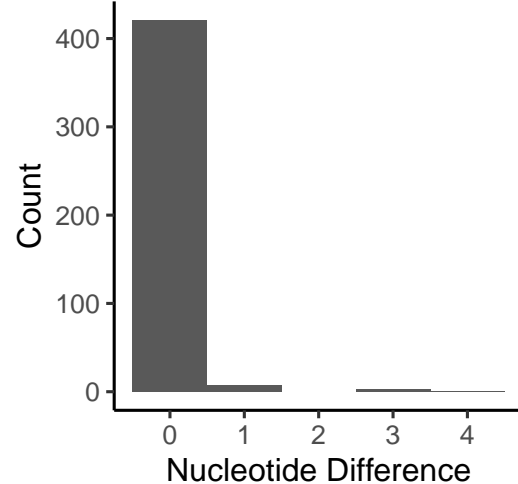
TRBV4-2*ap01

2349 sequences assigned
2315 (98.6%) exact matches, in which:
2253 unique CDR3
13 unique J



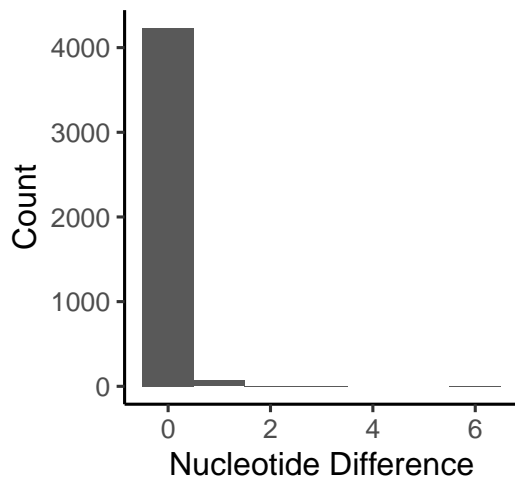
TRBV5-3*ap01

432 sequences assigned
421 (97.5%) exact matches, in which:
412 unique CDR3
13 unique J



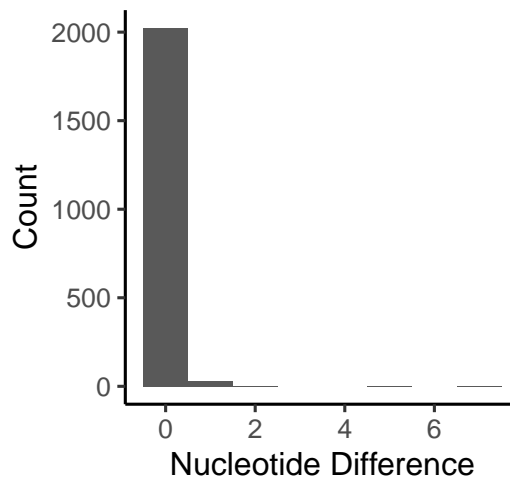
TRBV24-1*ap01

4305 sequences assigned
4231 (98.3%) exact matches, in which:
4149 unique CDR3
13 unique J



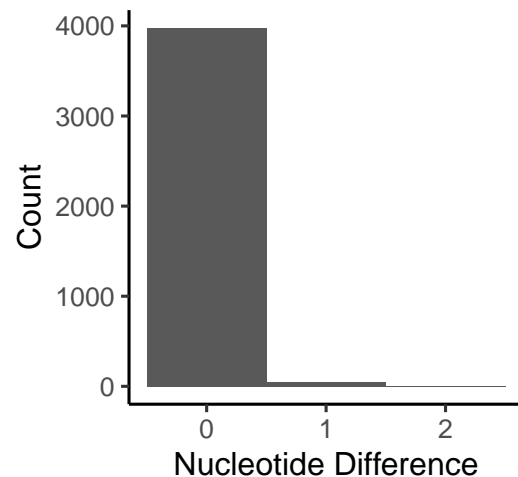
TRBV25-1*ap01

2057 sequences assigned
2023 (98.3%) exact matches, in which:
1963 unique CDR3
13 unique J



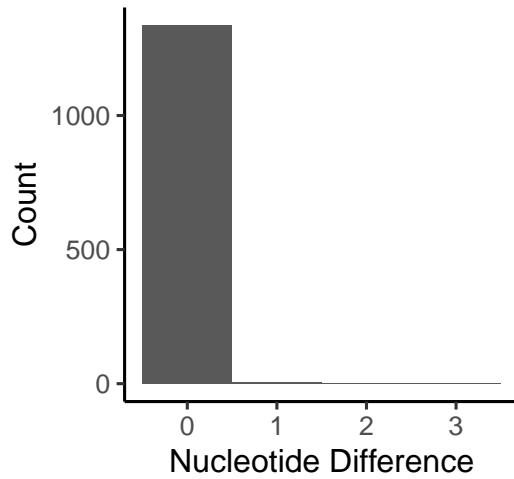
TRBV5-4*ap01

4027 sequences assigned
3976 (98.7%) exact matches, in which:
3875 unique CDR3
13 unique J



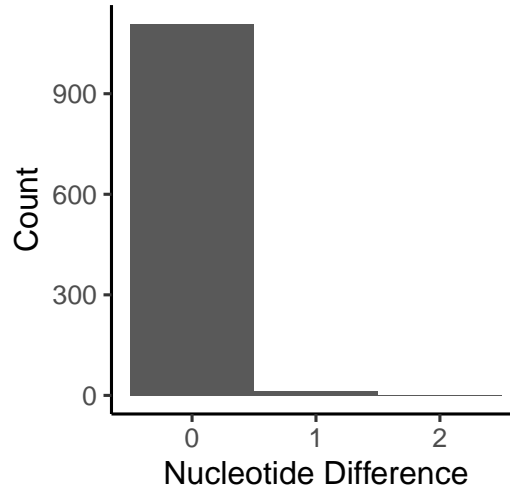
TRBV5-5*ap01

1343 sequences assigned
1336 (99.5%) exact matches, in which:
1329 unique CDR3
13 unique J



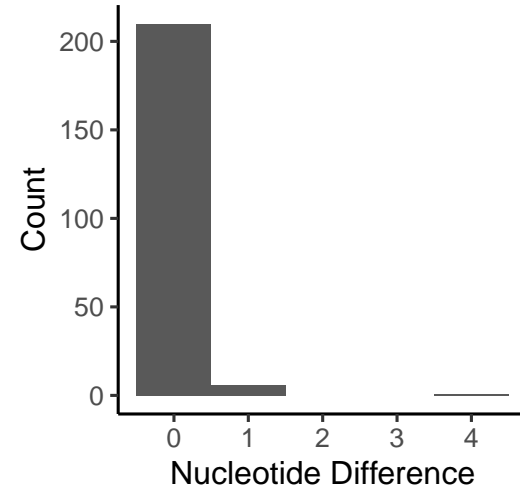
TRBV5-8*ap01

1123 sequences assigned
1109 (98.8%) exact matches, in which:
1094 unique CDR3
13 unique J



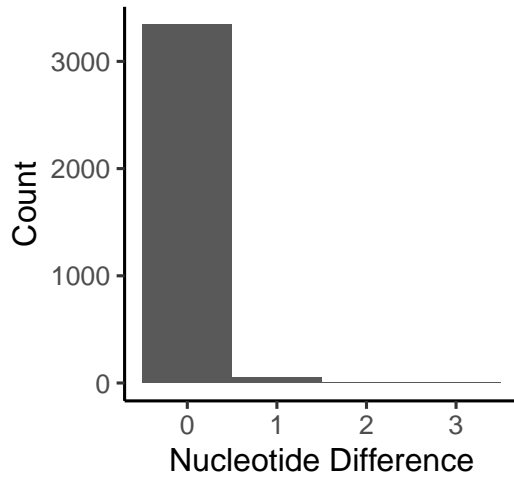
TRBV6-7*ap01

217 sequences assigned
210 (96.8%) exact matches, in which:
204 unique CDR3
13 unique J



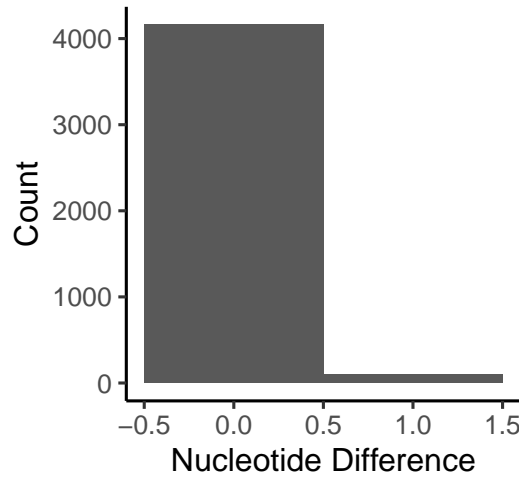
TRBV5-6*ap01

3395 sequences assigned
3342 (98.4%) exact matches, in which:
3226 unique CDR3
13 unique J



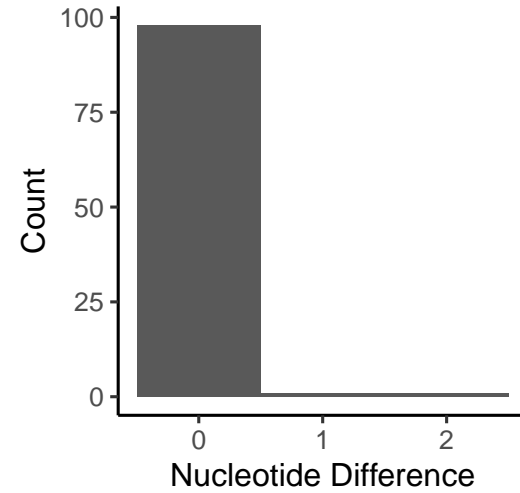
TRBV6-1*ap01

4261 sequences assigned
4161 (97.7%) exact matches, in which:
4058 unique CDR3
13 unique J



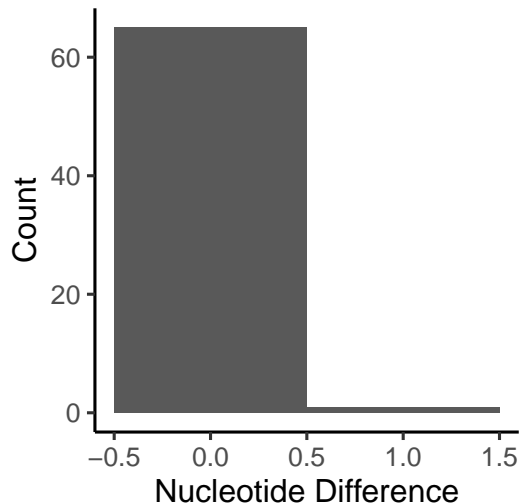
TRBV6-8*ap01

100 sequences assigned
98 (98%) exact matches, in which:
96 unique CDR3
12 unique J



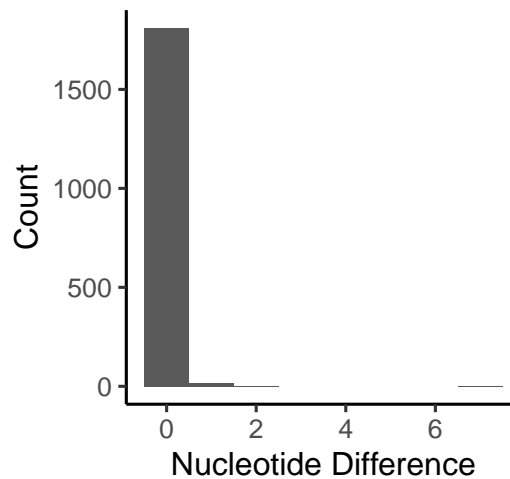
TRBV5-7*ap01

66 sequences assigned
65 (98.5%) exact matches, in which:
63 unique CDR3
11 unique J



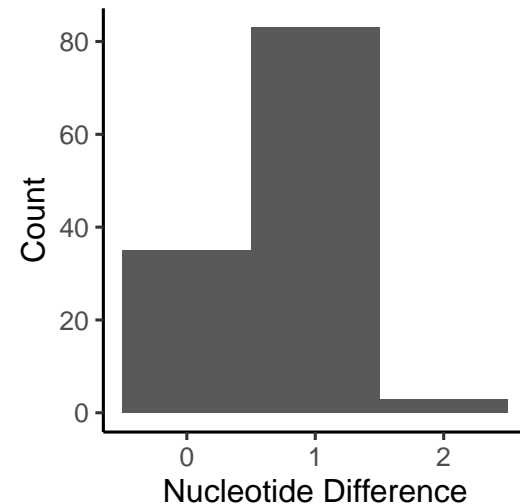
TRBV6-4*ap01

1829 sequences assigned
1810 (99%) exact matches, in which:
1790 unique CDR3
13 unique J



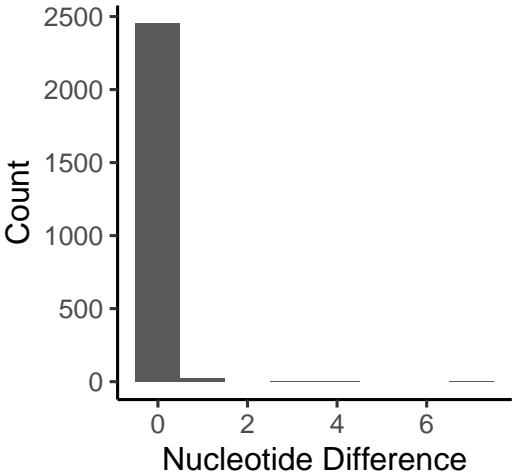
TRBV6-9*ap01

121 sequences assigned
35 (28.9%) exact matches, in which:
35 unique CDR3
12 unique J



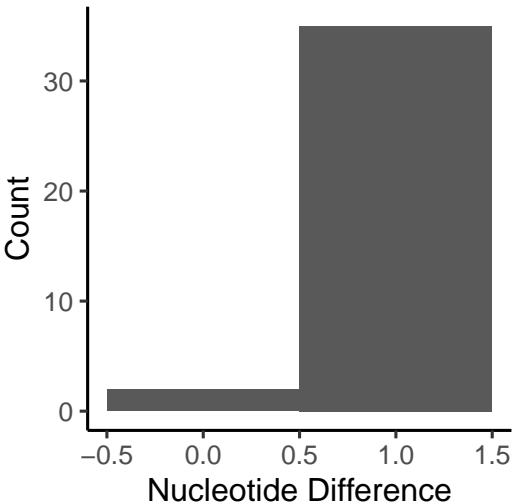
TRBV6-23*ap01

2481 sequences assigned
2453 (98.9%) exact matches, in which:
2374 unique CDR3
13 unique J



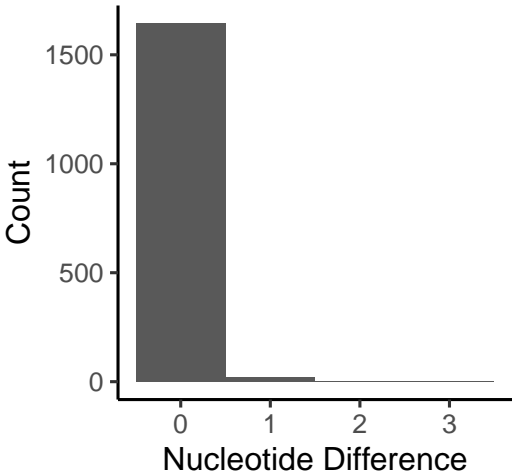
TRBV7-1*ap01_T296C

37 sequences assigned
2 (5.4%) exact matches, in which:
2 unique CDR3
2 unique J



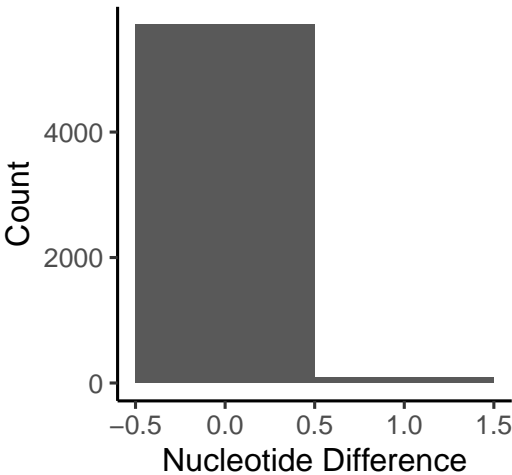
TRBV7-3*ap01

1667 sequences assigned
1644 (98.6%) exact matches, in which:
1620 unique CDR3
13 unique J



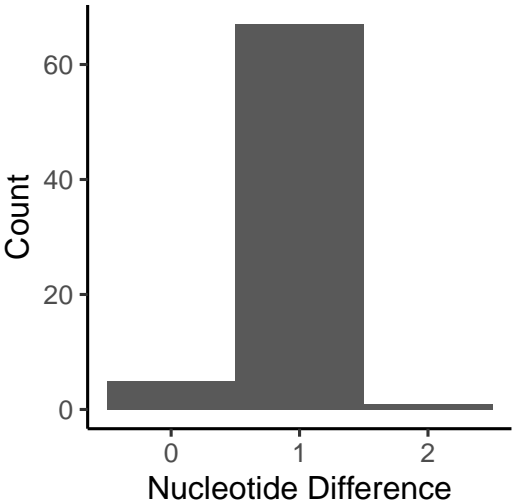
TRBV6-56*ap01

5801 sequences assigned
5711 (98.4%) exact matches, in which:
5546 unique CDR3
13 unique J



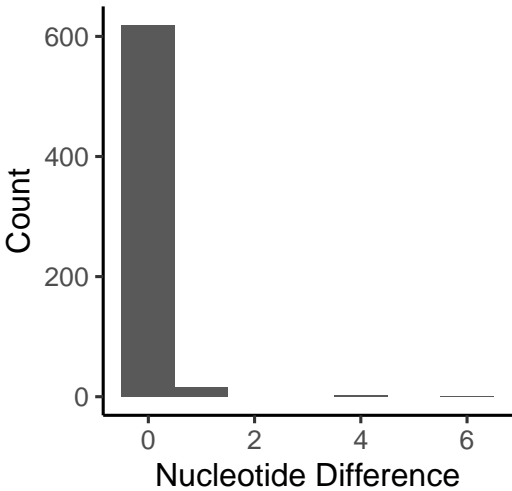
TRBV7-1*ap01_T296C_C

73 sequences assigned
5 (6.8%) exact matches, in which:
5 unique CDR3
2 unique J



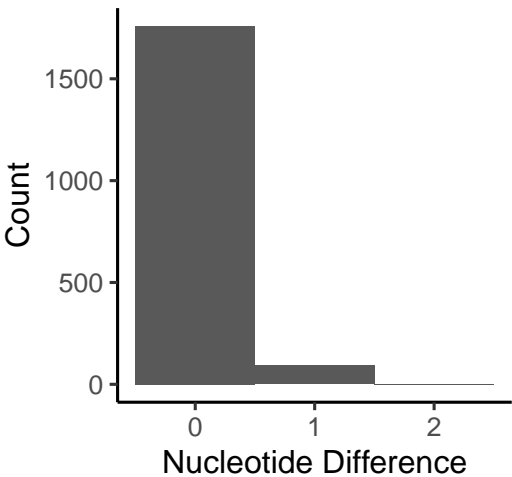
TRBV7-3*ap03

638 sequences assigned
619 (97%) exact matches, in which:
599 unique CDR3
13 unique J



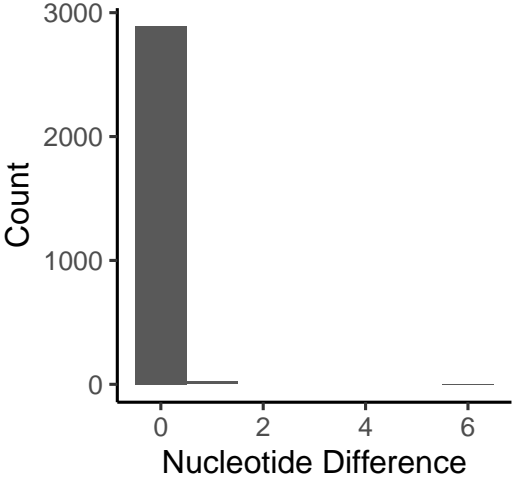
TRBV6-56*ap02

1852 sequences assigned
1759 (95%) exact matches, in which:
1708 unique CDR3
13 unique J



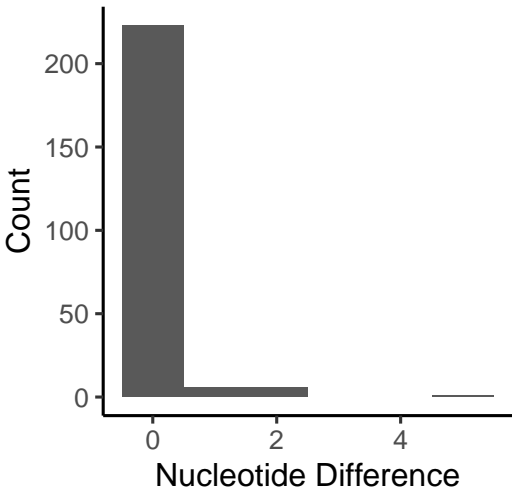
TRBV7-2*ap01

2917 sequences assigned
2892 (99.1%) exact matches, in which:
2831 unique CDR3
13 unique J



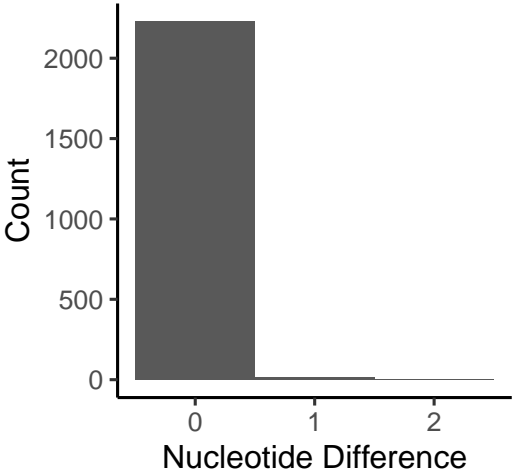
TRBV7-4*ap01

236 sequences assigned
223 (94.5%) exact matches, in which:
219 unique CDR3
12 unique J



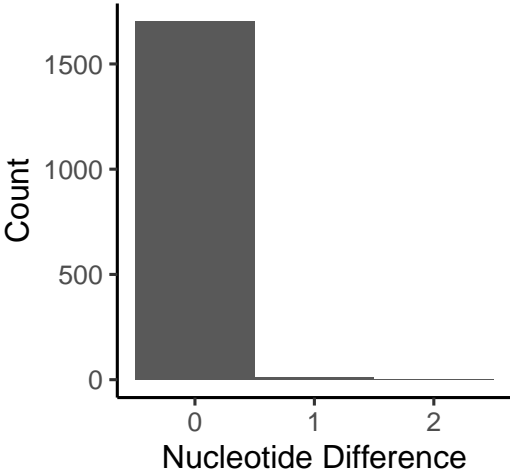
TRBV7-6*ap01

2248 sequences assigned
2229 (99.2%) exact matches, in which:
2194 unique CDR3
13 unique J



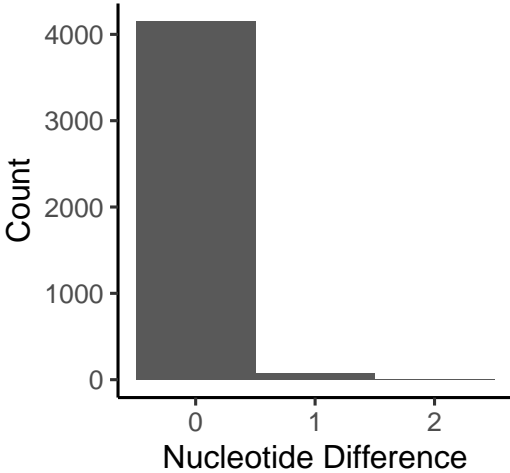
TRBV7-8*ap01

1713 sequences assigned
1702 (99.4%) exact matches, in which:
1669 unique CDR3
13 unique J



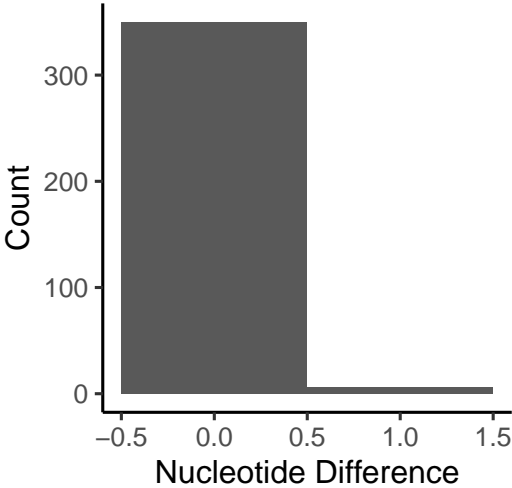
TRBV29-1*ap01

4225 sequences assigned
4150 (98.2%) exact matches, in which:
4039 unique CDR3
13 unique J



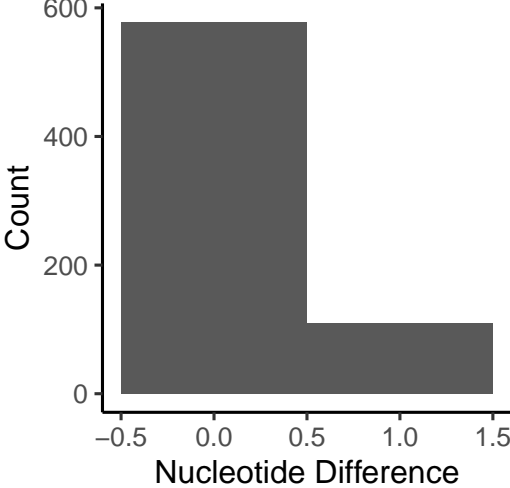
TRBV7-7*ap01

356 sequences assigned
350 (98.3%) exact matches, in which:
345 unique CDR3
12 unique J



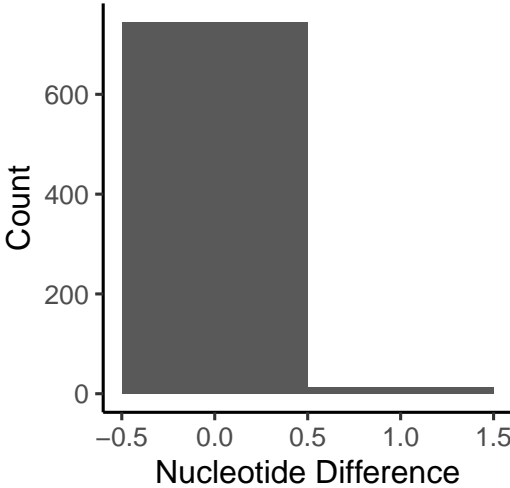
TRBV7-8*ap03

687 sequences assigned
578 (84.1%) exact matches, in which:
560 unique CDR3
13 unique J



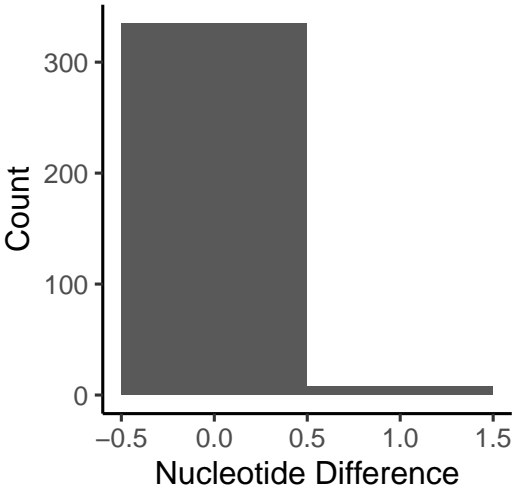
TRBV29-1*ap02

758 sequences assigned
745 (98.3%) exact matches, in which:
729 unique CDR3
12 unique J



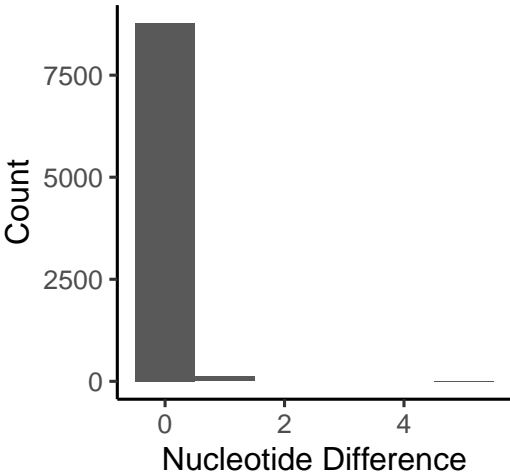
TRBV7-7*ap01_C315T

343 sequences assigned
335 (97.7%) exact matches, in which:
325 unique CDR3
12 unique J

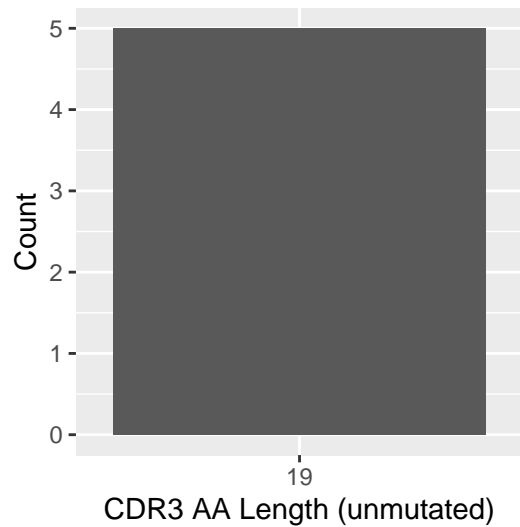


TRBV7-9*ap01

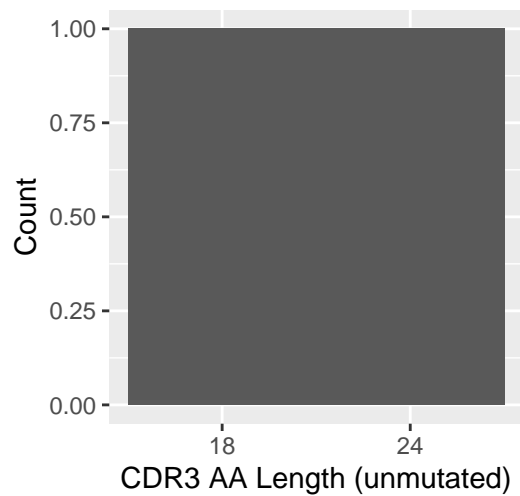
8892 sequences assigned
8777 (98.7%) exact matches, in which:
8616 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

