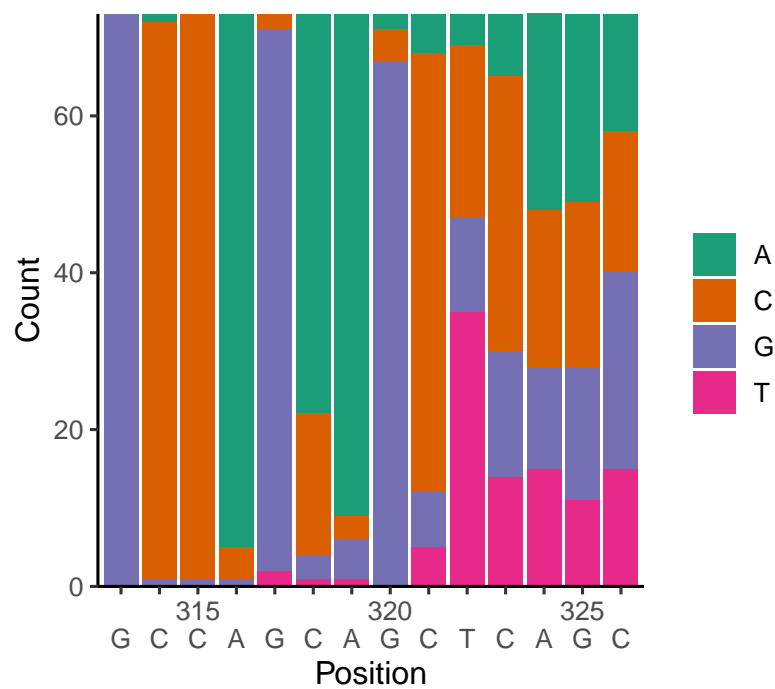
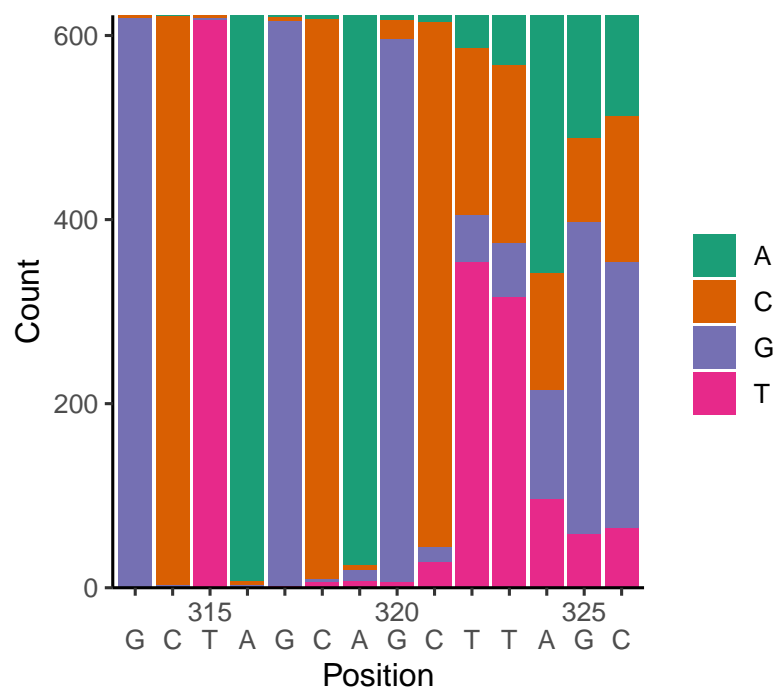


Gene TRBV7-1*ap01_T296C



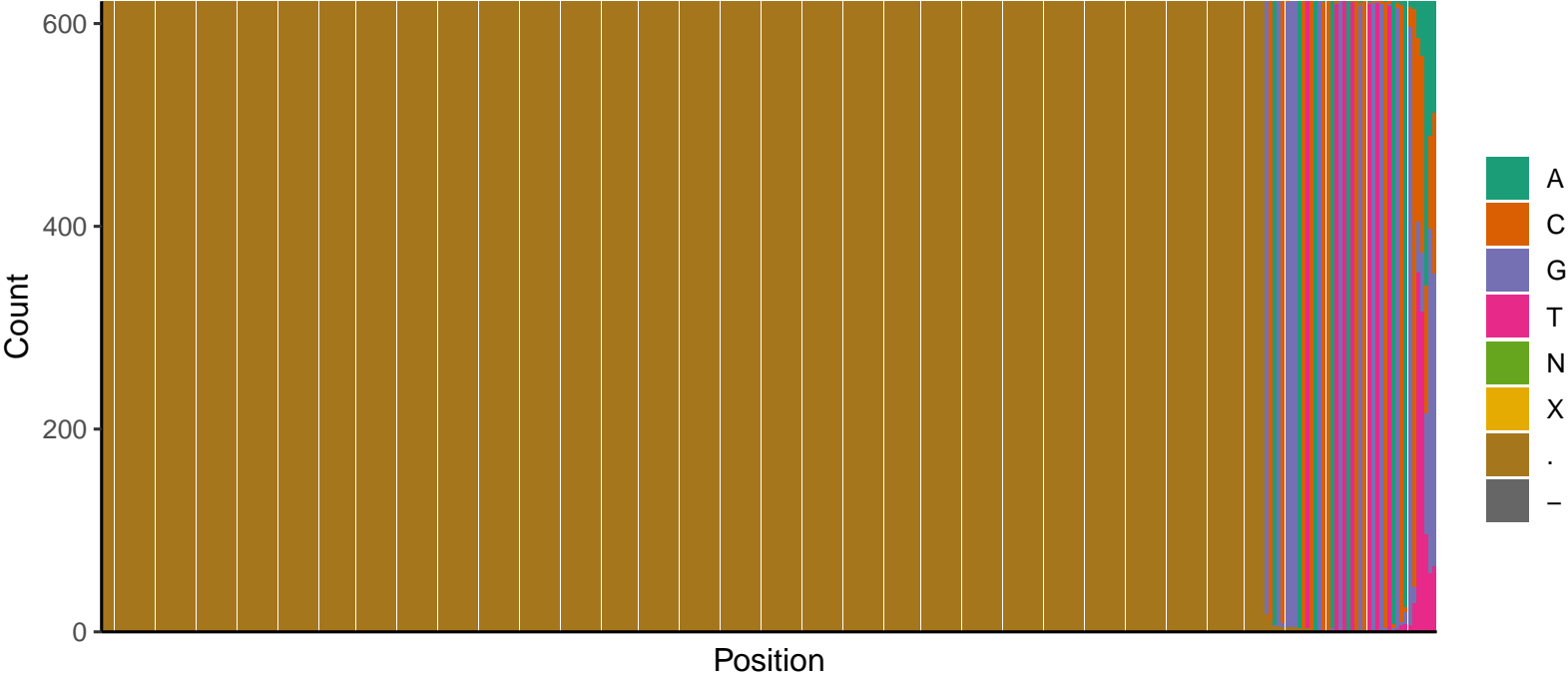
Gene TRBV7-7*ap01_C315T



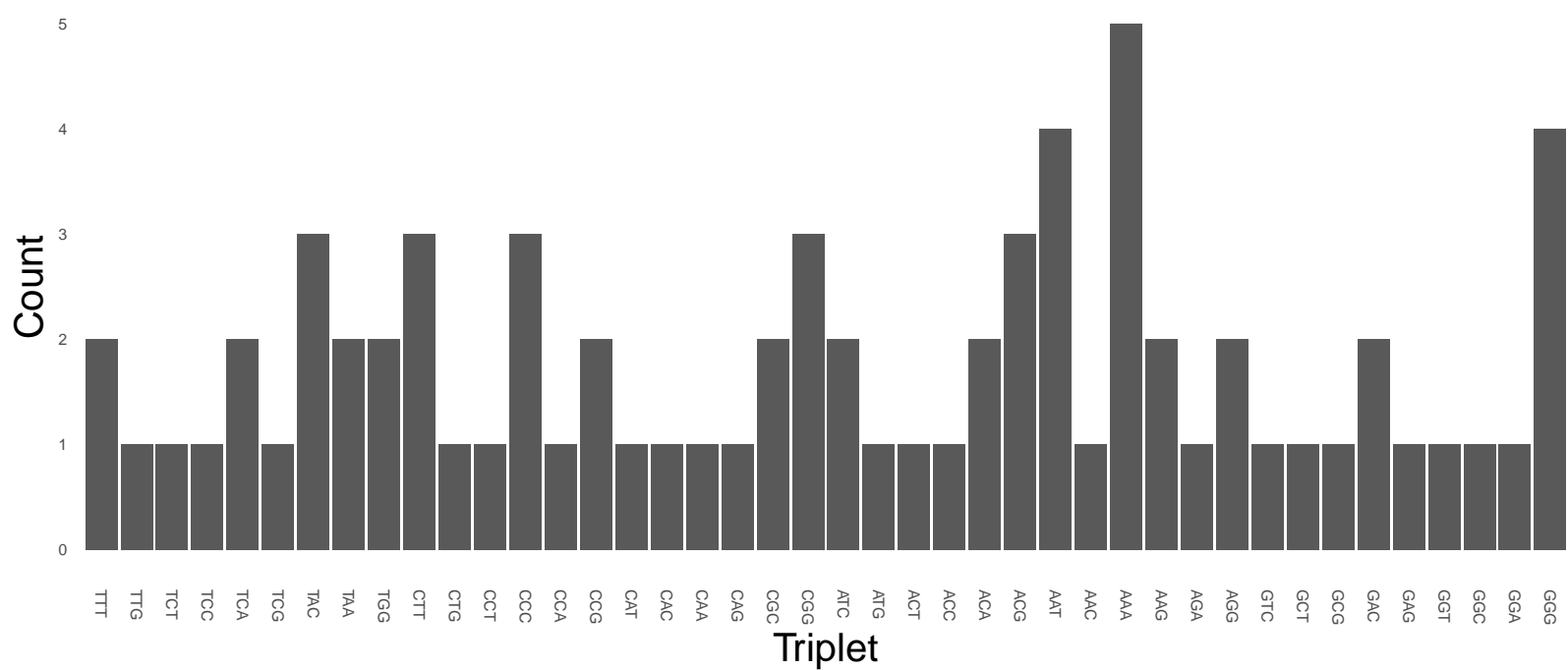
Gene TRBV7-1*ap01_T296C



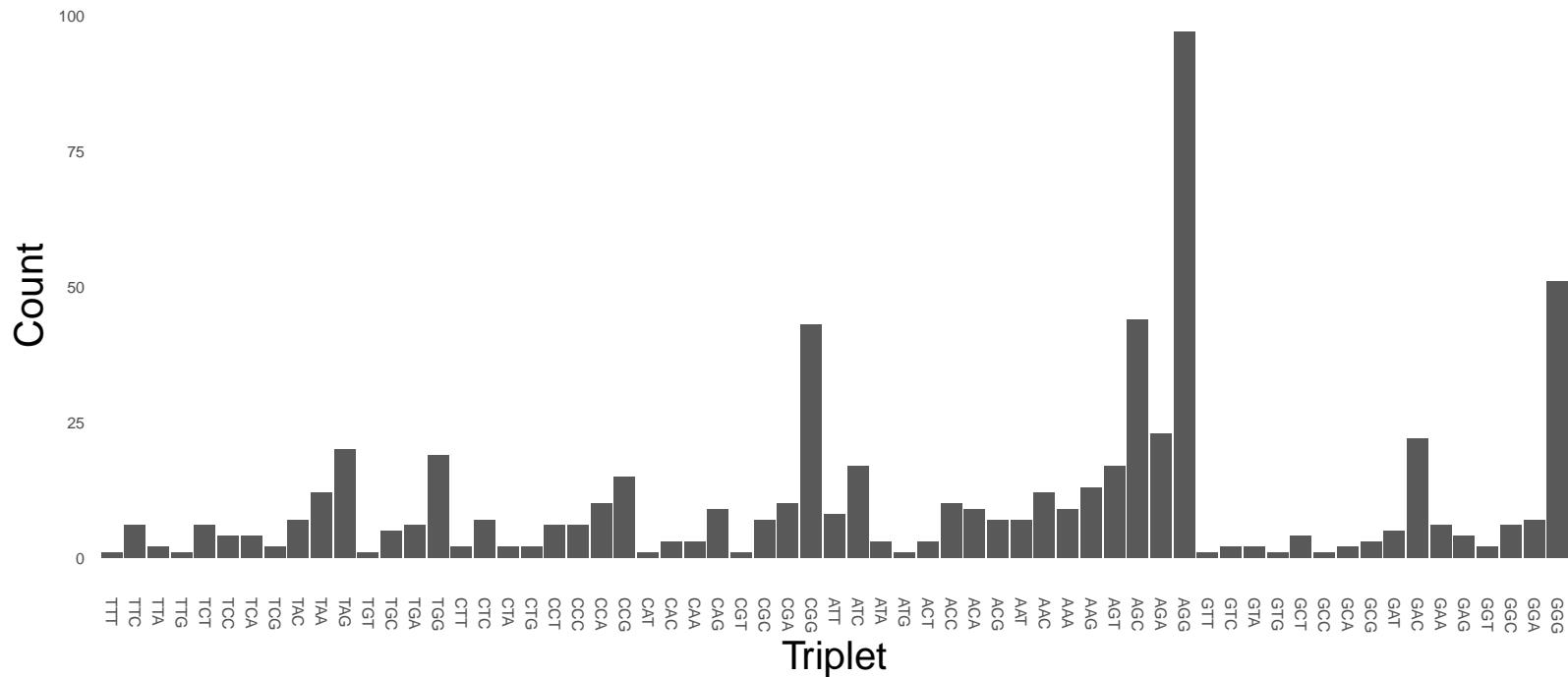
Gene TRBV7-7*ap01_C315T



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

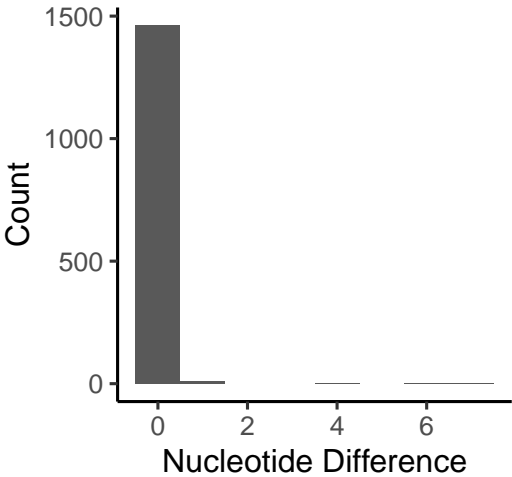


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



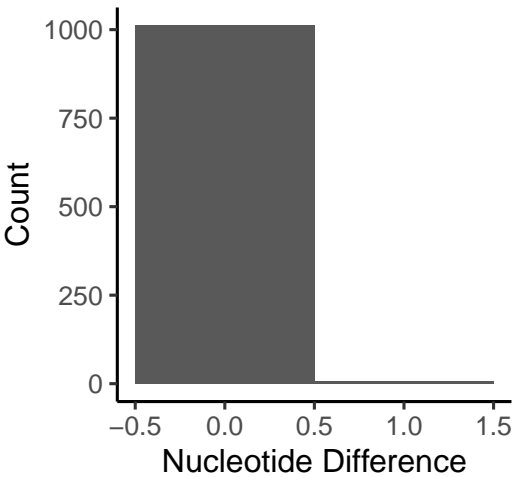
TRBV10-1*ap01

1477 sequences assigned
1462 (99%) exact matches, in which:
1426 unique CDR3
13 unique J



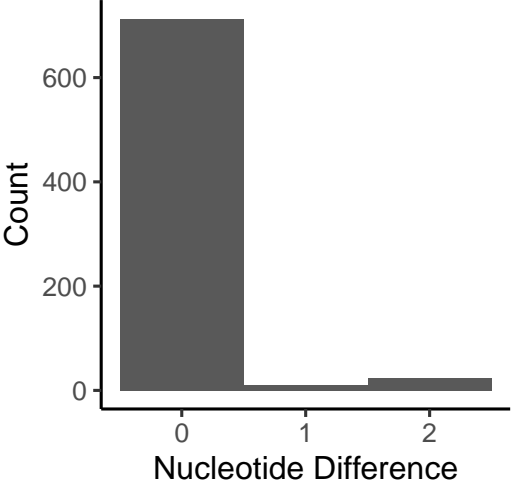
TRBV10-2*ap01

1019 sequences assigned
1012 (99.3%) exact matches, in which:
975 unique CDR3
13 unique J



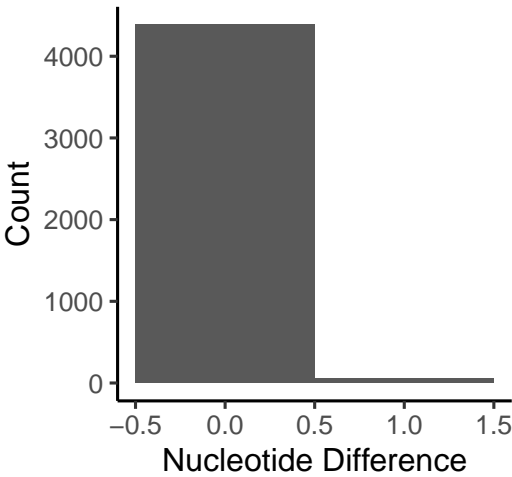
TRBV13*ap01

748 sequences assigned
713 (95.3%) exact matches, in which:
684 unique CDR3
13 unique J



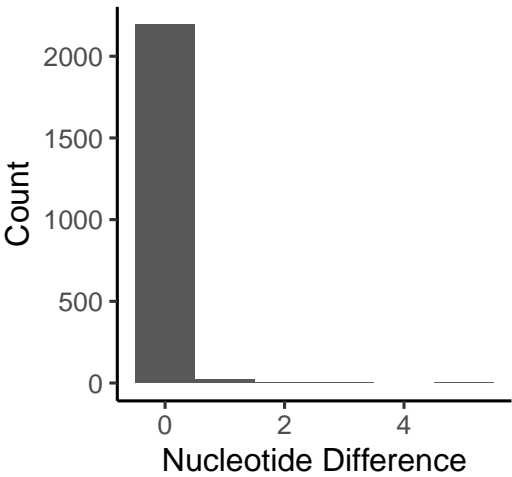
TRBV20-1*ap01

4444 sequences assigned
4386 (98.7%) exact matches, in which:
4295 unique CDR3
13 unique J



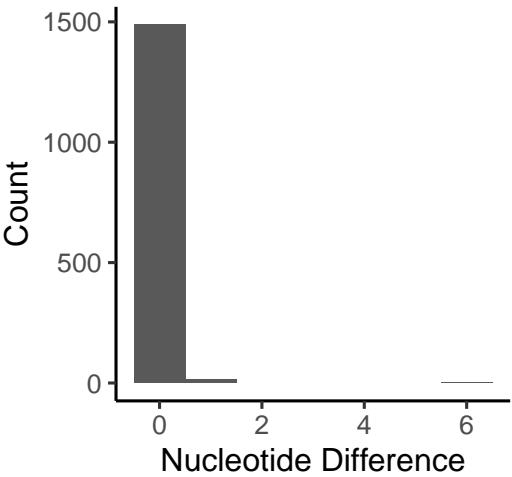
TRBV10-3*ap01

2217 sequences assigned
2193 (98.9%) exact matches, in which:
2128 unique CDR3
13 unique J



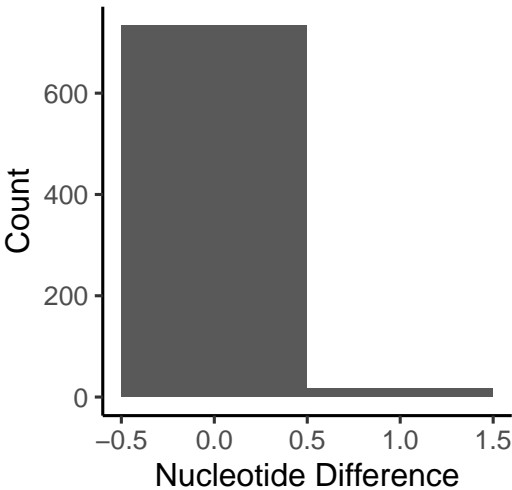
TRBV14*ap01

1502 sequences assigned
1488 (99.1%) exact matches, in which:
1455 unique CDR3
13 unique J



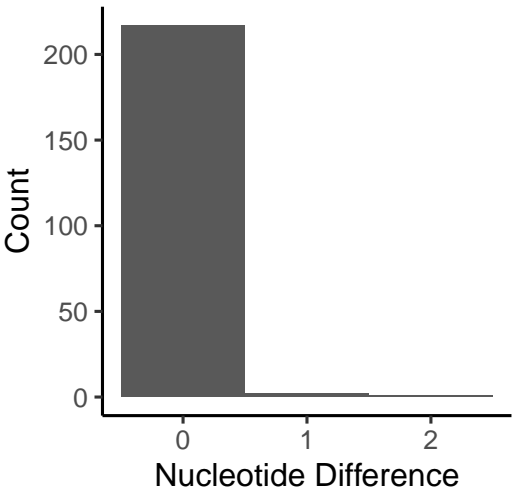
TRBV20-1*ap02

750 sequences assigned
734 (97.9%) exact matches, in which:
720 unique CDR3
13 unique J



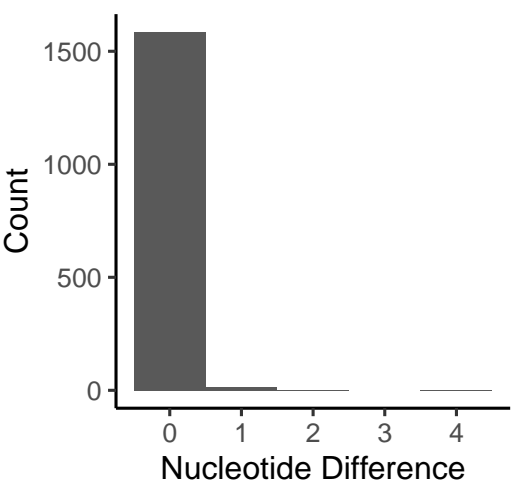
TRBV1*ap01

220 sequences assigned
217 (98.6%) exact matches, in which:
205 unique CDR3
13 unique J



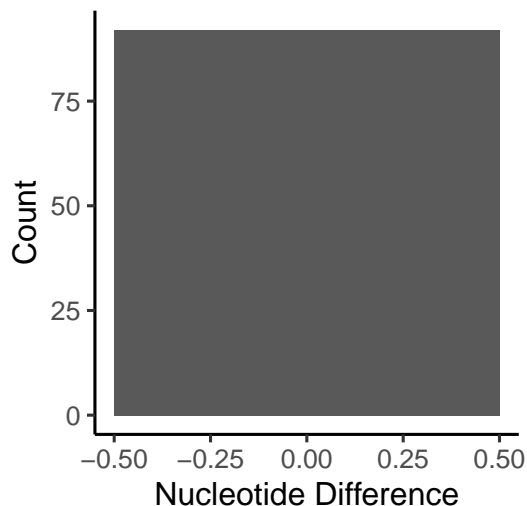
TRBV15*ap02

1602 sequences assigned
1585 (98.9%) exact matches, in which:
1541 unique CDR3
13 unique J



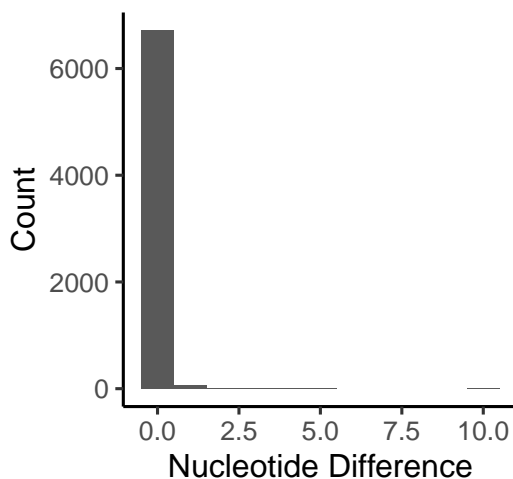
TRBV16*ap01

92 sequences assigned
92 (100%) exact matches, in which:
92 unique CDR3
13 unique J



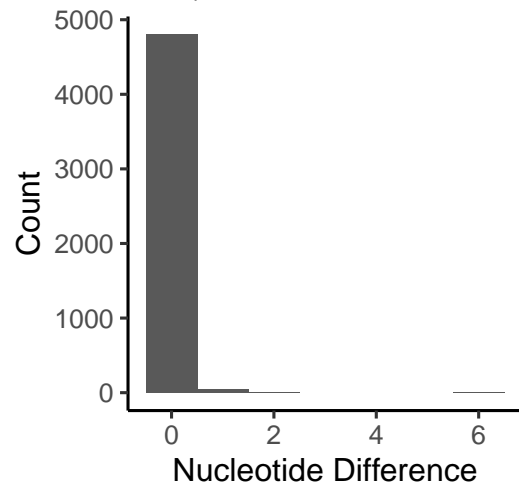
TRBV19*ap01

6795 sequences assigned
6714 (98.8%) exact matches, in which:
6634 unique CDR3
13 unique J



TRBV28*ap01

4847 sequences assigned
4803 (99.1%) exact matches, in which:
4693 unique CDR3
13 unique J



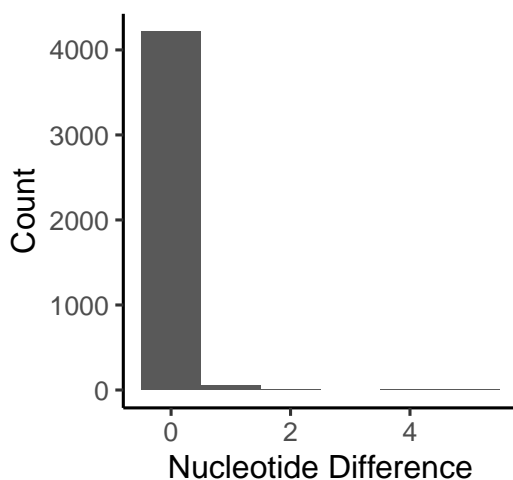
TRBV17*ap01

1 sequences assigned
No exact matches.



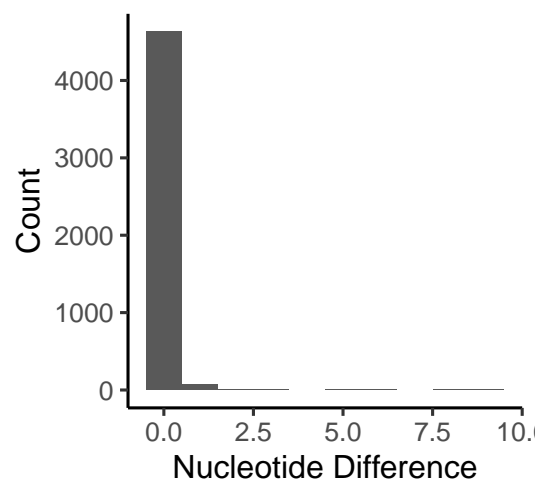
TRBV2*ap01

4271 sequences assigned
4214 (98.7%) exact matches, in which:
4125 unique CDR3
13 unique J



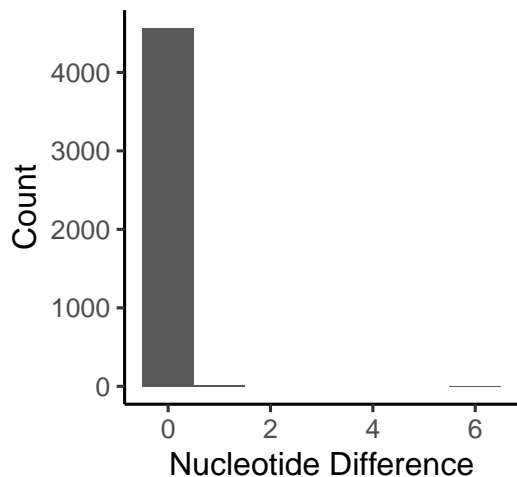
TRBV30*ap01

4715 sequences assigned
4630 (98.2%) exact matches, in which:
4561 unique CDR3
13 unique J



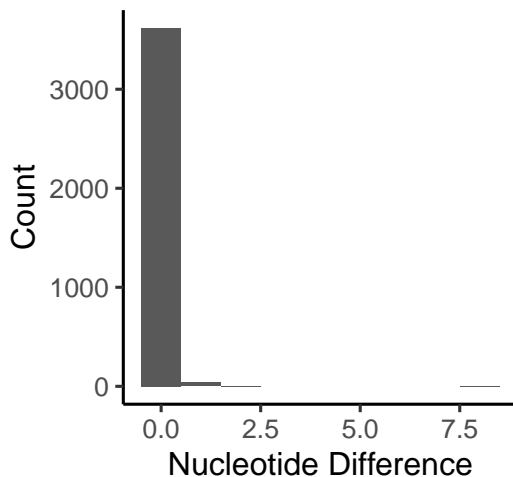
TRBV18*ap01

4581 sequences assigned
4565 (99.7%) exact matches, in which:
4510 unique CDR3
13 unique J



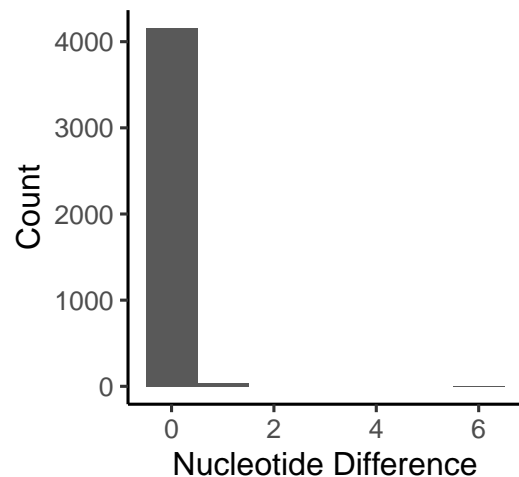
TRBV27*ap01

3659 sequences assigned
3618 (98.9%) exact matches, in which:
3510 unique CDR3
13 unique J



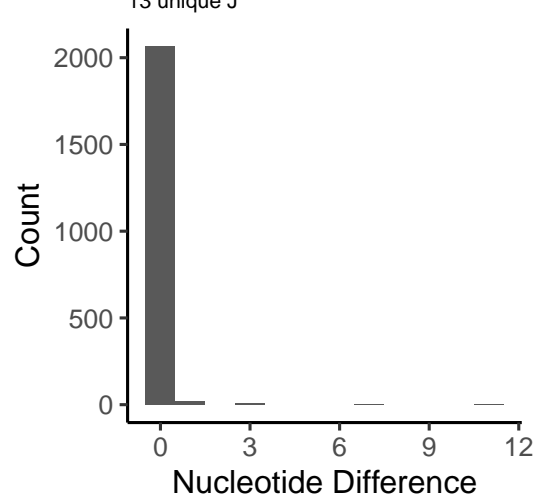
TRBV9*ap01

4196 sequences assigned
4158 (99.1%) exact matches, in which:
4068 unique CDR3
13 unique J



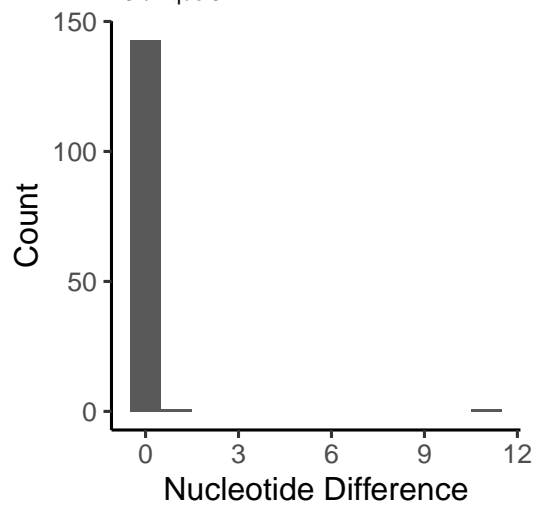
TRBV21-1*ap01

2091 sequences assigned
2065 (98.8%) exact matches, in which:
2037 unique CDR3
13 unique J



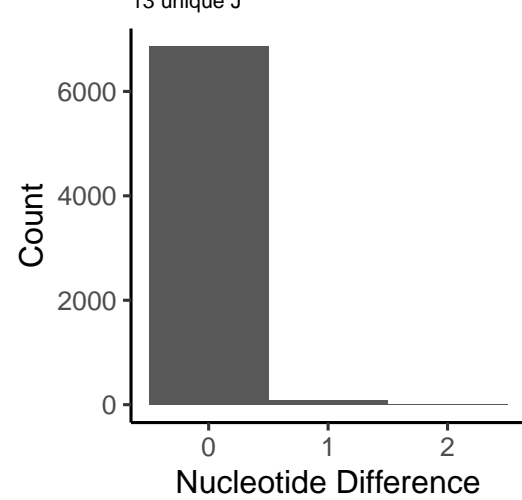
TRBV12-1*ap01

145 sequences assigned
143 (98.6%) exact matches, in which:
139 unique CDR3
13 unique J



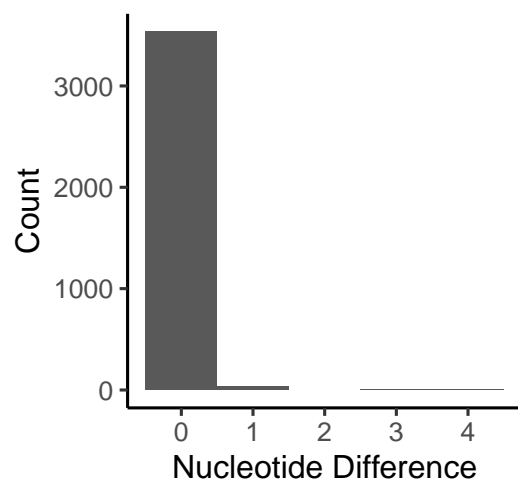
TRBV12-34*ap01

6960 sequences assigned
6862 (98.6%) exact matches, in which:
6716 unique CDR3
13 unique J



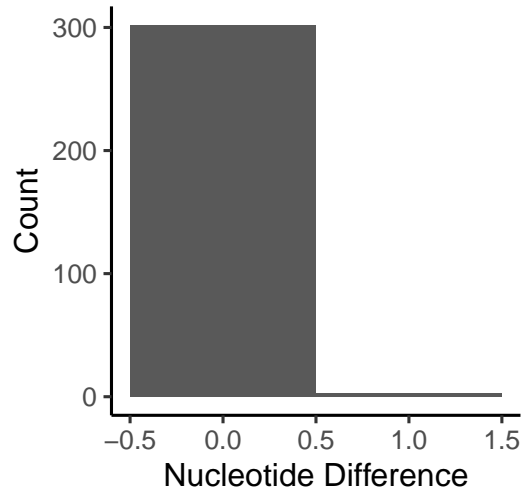
TRBV11-2*ap01

3574 sequences assigned
3535 (98.9%) exact matches, in which:
3467 unique CDR3
13 unique J



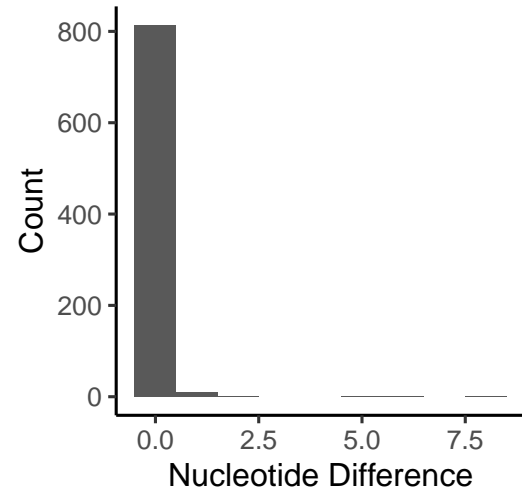
TRBV12-2*ap01

305 sequences assigned
302 (99%) exact matches, in which:
295 unique CDR3
13 unique J



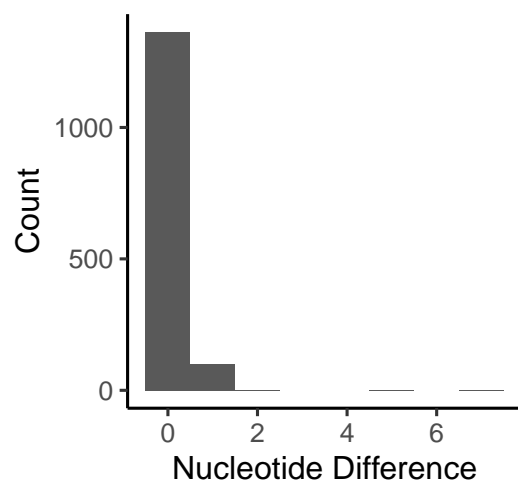
TRBV23-1*ap01

828 sequences assigned
814 (98.3%) exact matches, in which:
799 unique CDR3
13 unique J



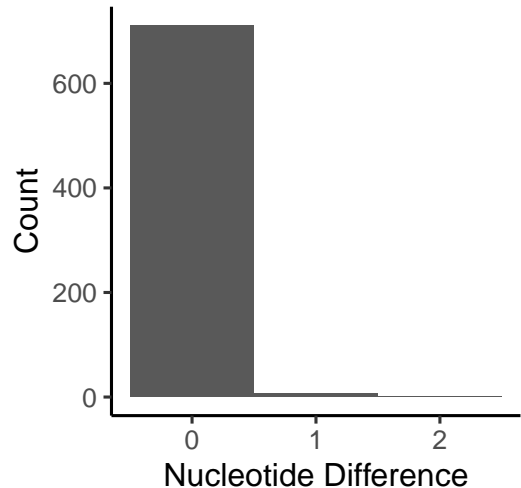
TRBV11-3*ap01

1465 sequences assigned
1363 (93%) exact matches, in which:
1336 unique CDR3
13 unique J



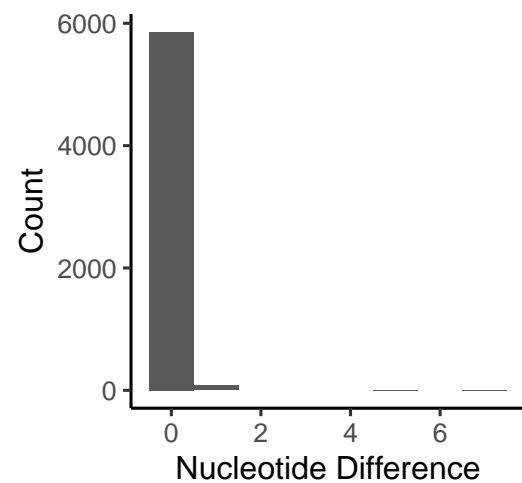
TRBV12-5*ap01

719 sequences assigned
711 (98.9%) exact matches, in which:
702 unique CDR3
13 unique J



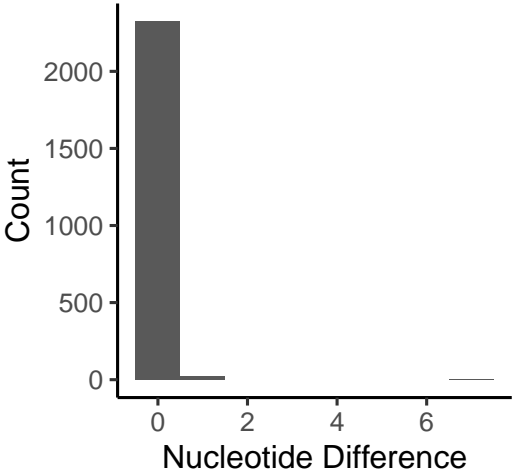
TRBV3-12*ap01

5942 sequences assigned
5857 (98.6%) exact matches, in which:
5727 unique CDR3
13 unique J



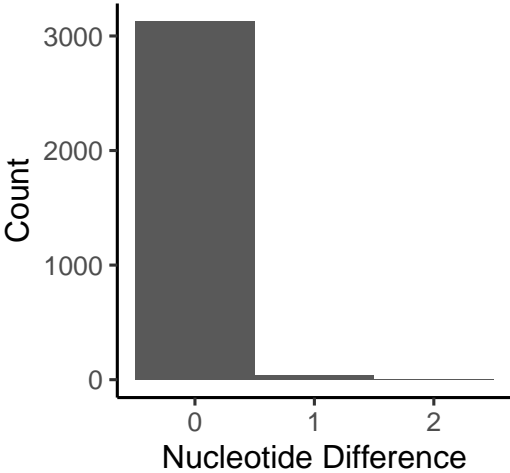
TRBV4-1*ap01

2347 sequences assigned
2324 (99%) exact matches, in which:
2257 unique CDR3
13 unique J



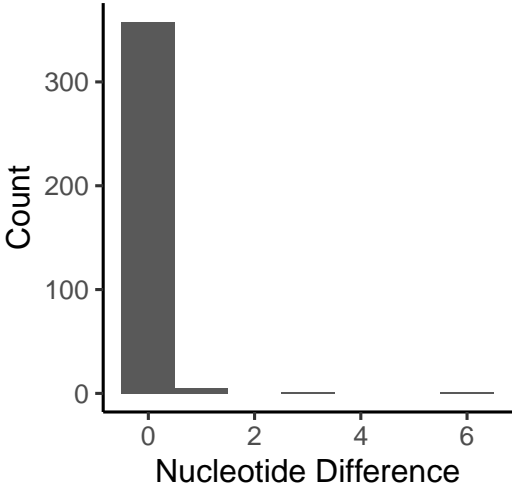
TRBV4-3*ap01

3169 sequences assigned
3127 (98.7%) exact matches, in which:
3037 unique CDR3
13 unique J



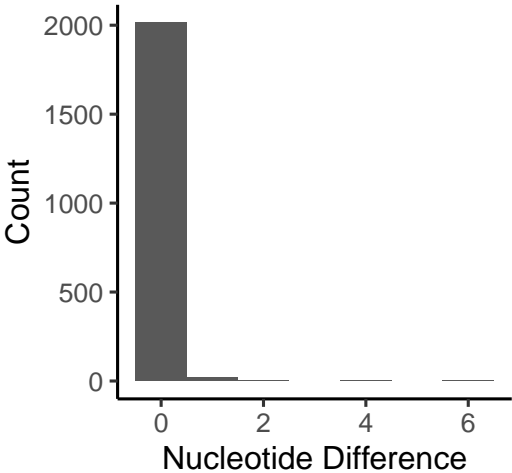
TRBV5-3*ap01

365 sequences assigned
358 (98.1%) exact matches, in which:
351 unique CDR3
13 unique J



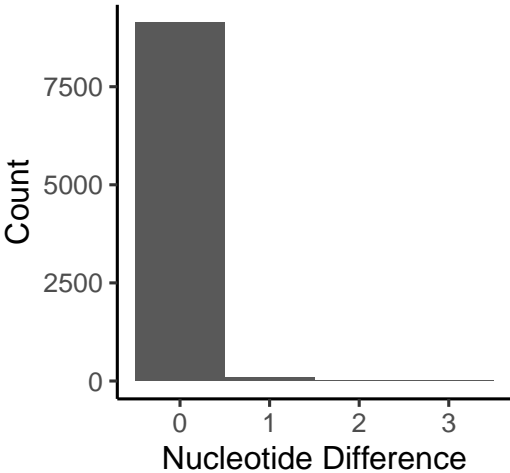
TRBV24-1*ap01

2042 sequences assigned
2014 (98.6%) exact matches, in which:
1964 unique CDR3
13 unique J



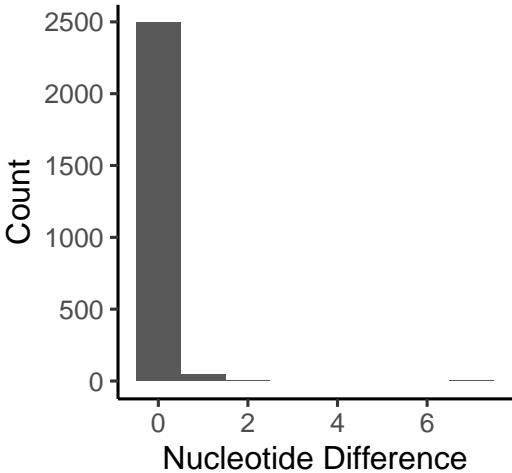
TRBV5-1*ap01

9219 sequences assigned
9130 (99%) exact matches, in which:
8845 unique CDR3
13 unique J



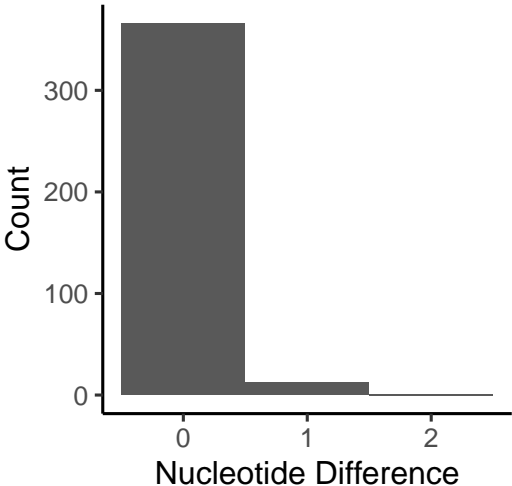
TRBV5-4*ap01

2540 sequences assigned
2494 (98.2%) exact matches, in which:
2425 unique CDR3
13 unique J



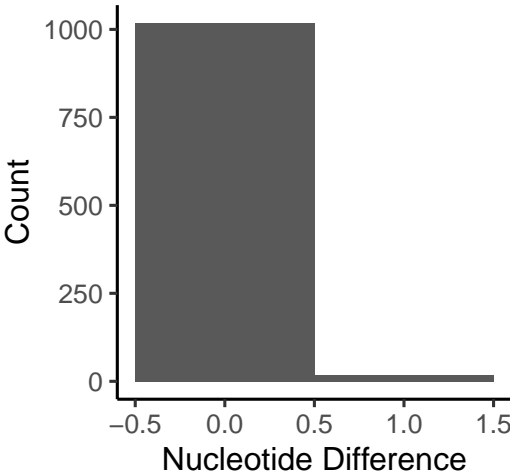
TRBV4-2*ap01

379 sequences assigned
366 (96.6%) exact matches, in which:
358 unique CDR3
13 unique J



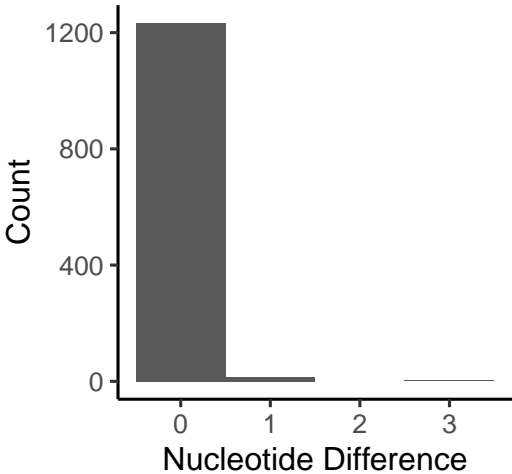
TRBV25-1*ap01

1036 sequences assigned
1018 (98.3%) exact matches, in which:
987 unique CDR3
13 unique J



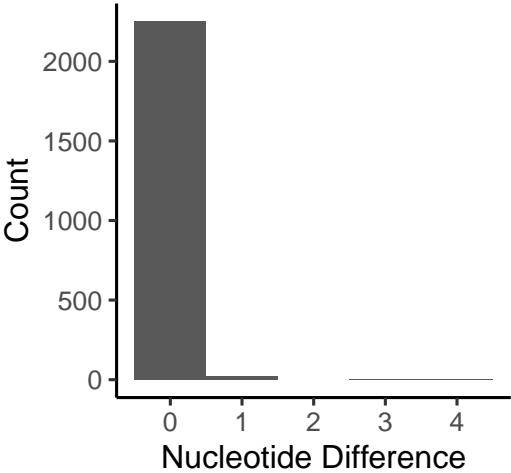
TRBV5-5*ap01

1251 sequences assigned
1233 (98.6%) exact matches, in which:
1215 unique CDR3
13 unique J



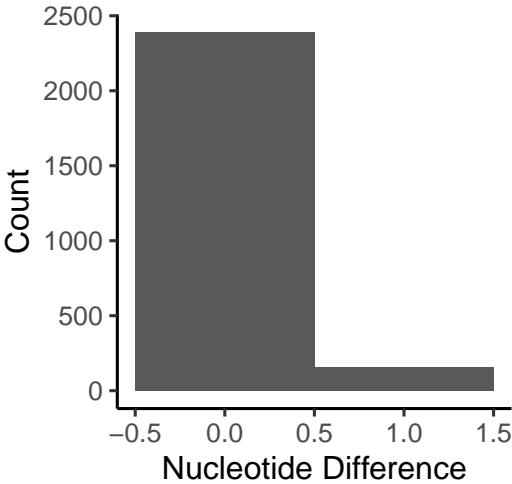
TRBV5-6*ap01

2277 sequences assigned
2251 (98.9%) exact matches, in which:
2188 unique CDR3
13 unique J



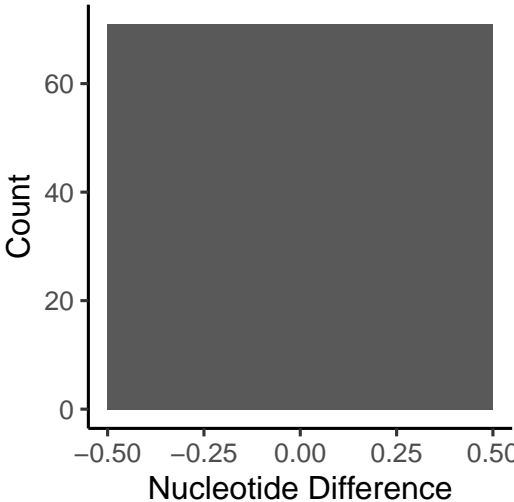
TRBV6-1*ap01

2549 sequences assigned
2389 (93.7%) exact matches, in which:
2319 unique CDR3
13 unique J



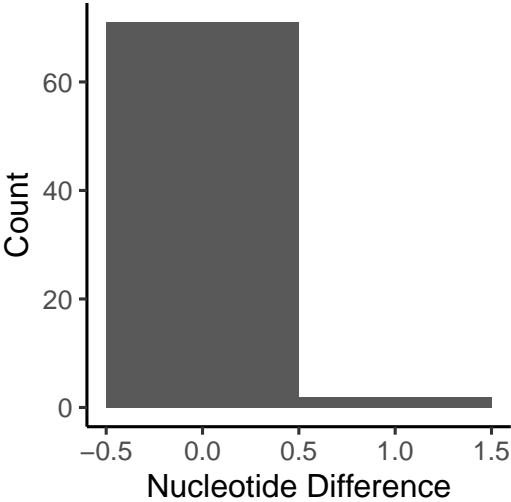
TRBV6-8*ap01

71 sequences assigned
71 (100%) exact matches, in which:
69 unique CDR3
10 unique J



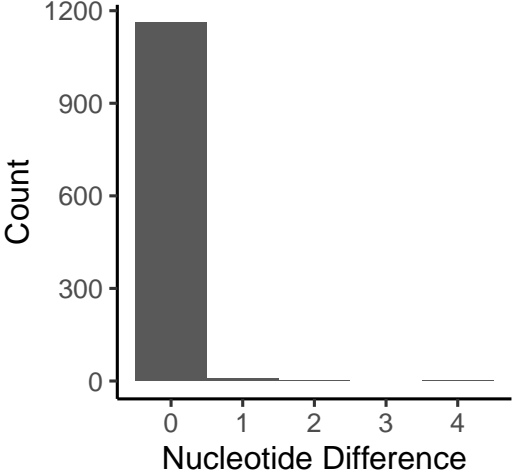
TRBV5-7*ap01

73 sequences assigned
71 (97.3%) exact matches, in which:
71 unique CDR3
12 unique J



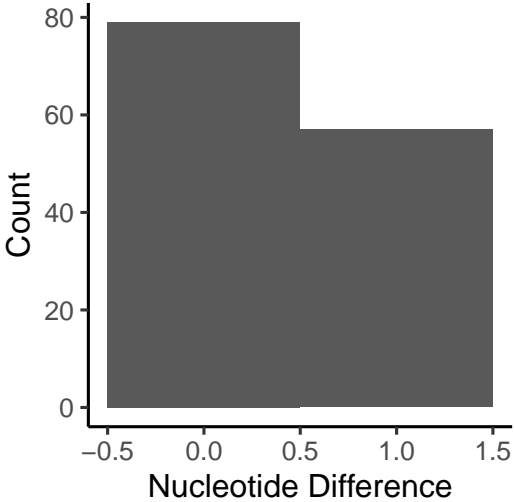
TRBV6-4*ap01

1170 sequences assigned
1161 (99.2%) exact matches, in which:
1128 unique CDR3
13 unique J



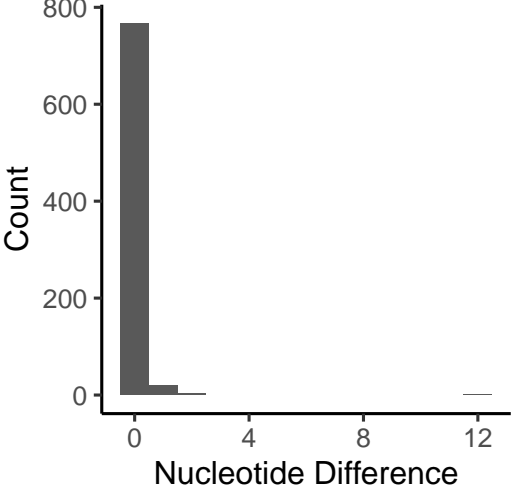
TRBV6-9*ap01

136 sequences assigned
79 (58.1%) exact matches, in which:
76 unique CDR3
13 unique J



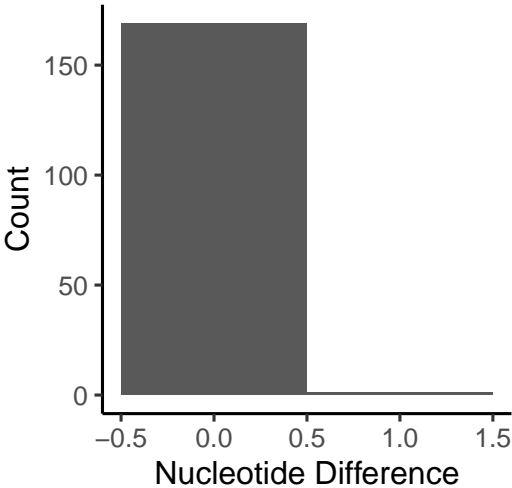
TRBV5-8*ap01

792 sequences assigned
767 (96.8%) exact matches, in which:
745 unique CDR3
13 unique J



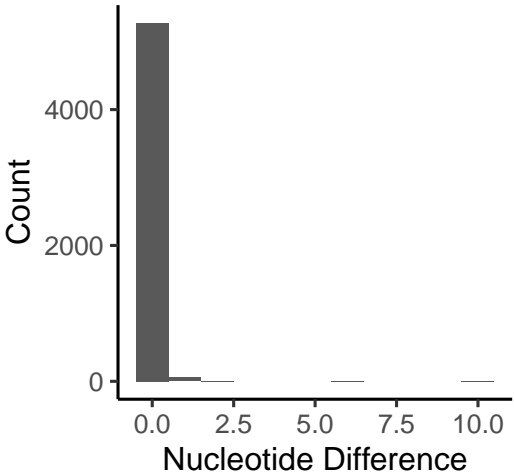
TRBV6-7*ap01

170 sequences assigned
169 (99.4%) exact matches, in which:
165 unique CDR3
13 unique J



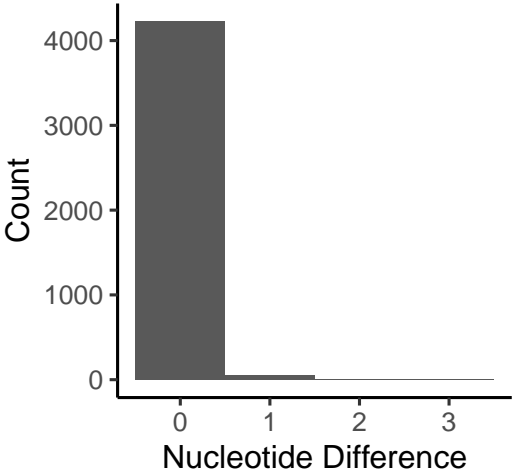
TRBV6-23*ap01

5338 sequences assigned
5274 (98.8%) exact matches, in which:
5143 unique CDR3
13 unique J



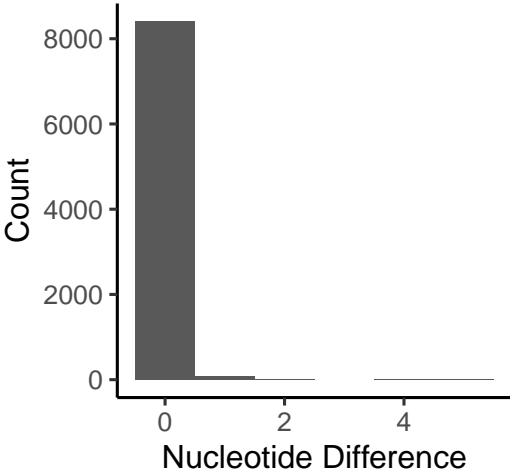
TRBV6-56*ap01

4281 sequences assigned
4226 (98.7%) exact matches, in which:
4122 unique CDR3
13 unique J



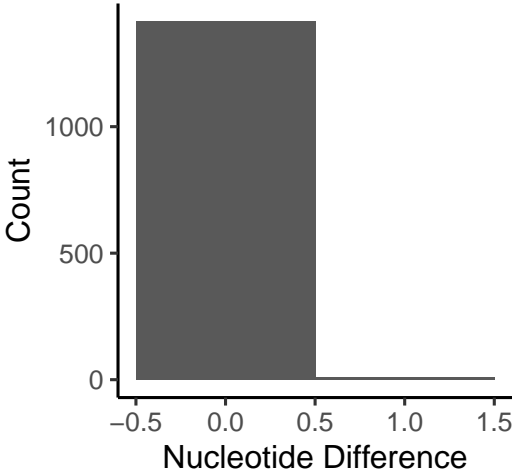
TRBV7-2*ap01

8498 sequences assigned
8406 (98.9%) exact matches, in which:
8221 unique CDR3
13 unique J



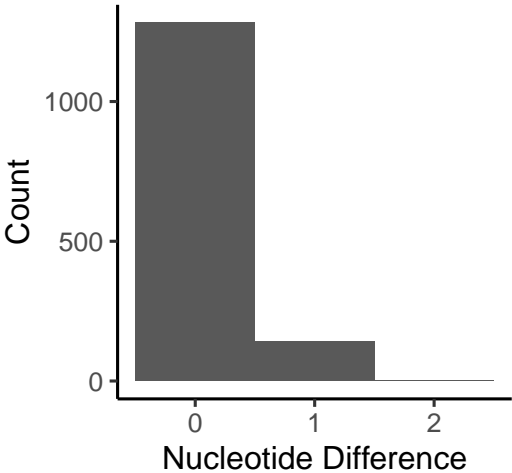
TRBV7-6*ap01

1427 sequences assigned
1416 (99.2%) exact matches, in which:
1386 unique CDR3
13 unique J



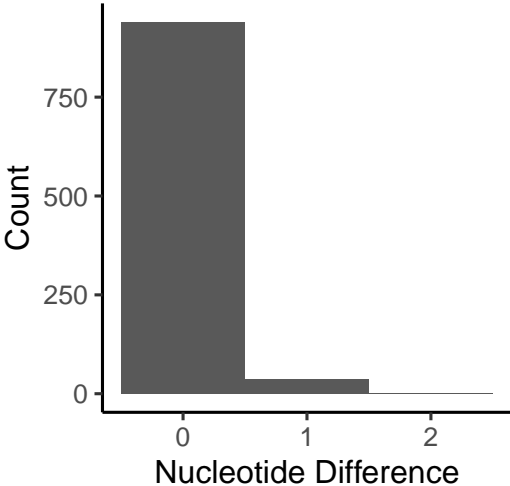
TRBV6-56*ap02

1426 sequences assigned
1282 (89.9%) exact matches, in which:
1237 unique CDR3
14 unique J



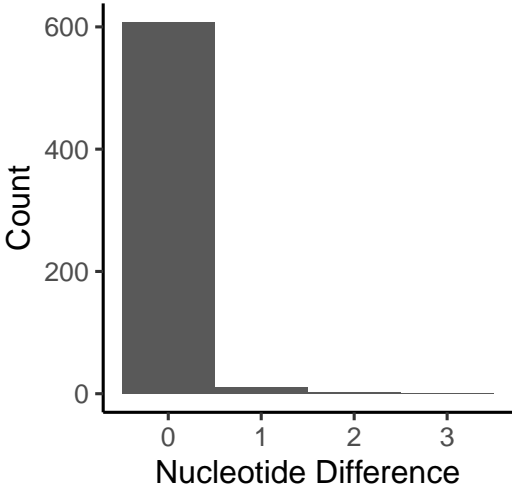
TRBV7-3*ap02

977 sequences assigned
940 (96.2%) exact matches, in which:
916 unique CDR3
13 unique J



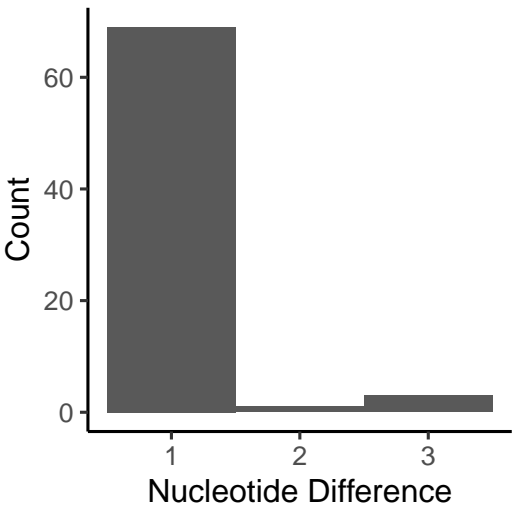
TRBV7-7*ap01_C315T

622 sequences assigned
608 (97.7%) exact matches, in which:
597 unique CDR3
13 unique J



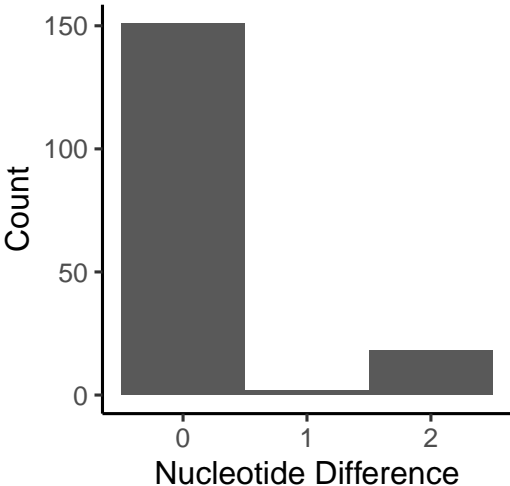
TRBV7-1*ap01_T296C

73 sequences assigned
No exact matches.



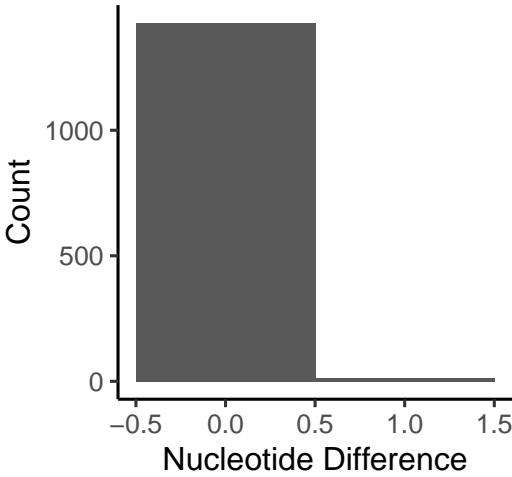
TRBV7-4*ap01

171 sequences assigned
151 (88.3%) exact matches, in which:
147 unique CDR3
13 unique J



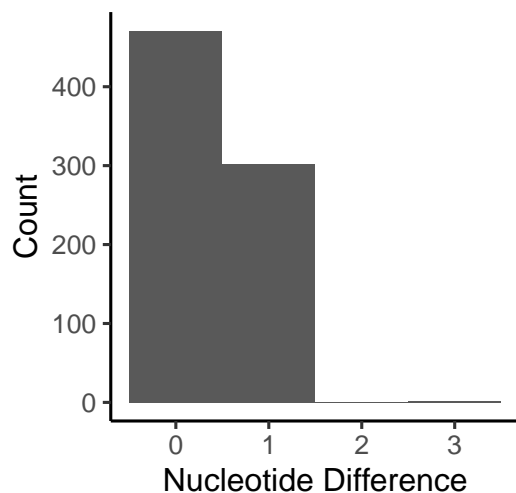
TRBV7-8*ap01

1439 sequences assigned
1427 (99.2%) exact matches, in which:
1393 unique CDR3
13 unique J



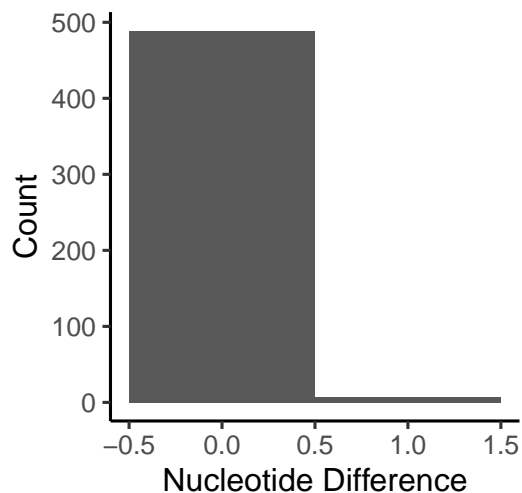
TRBV7-8*ap03

776 sequences assigned
471 (60.7%) exact matches, in which:
455 unique CDR3
13 unique J



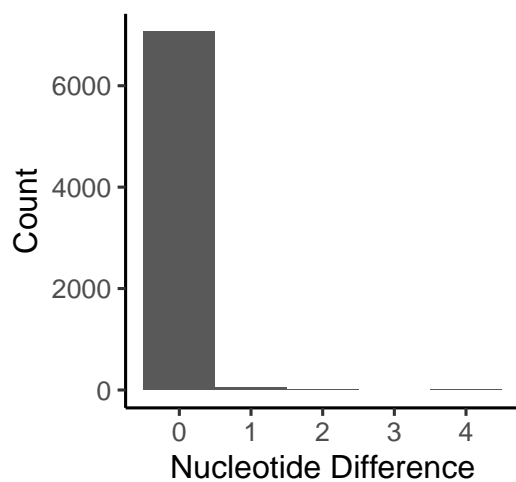
TRBV29-1*ap02

496 sequences assigned
489 (98.6%) exact matches, in which:
479 unique CDR3
13 unique J



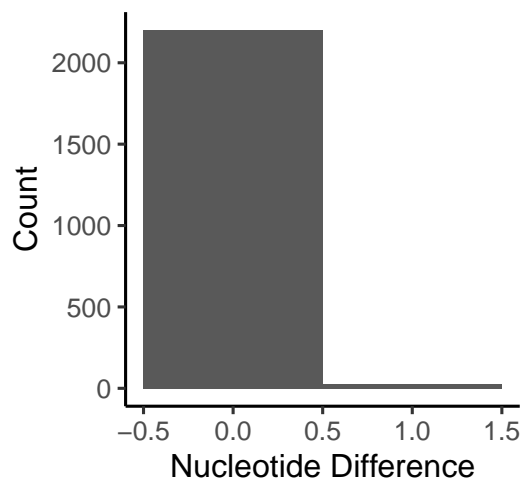
TRBV7-9*ap01

7126 sequences assigned
7065 (99.1%) exact matches, in which:
6912 unique CDR3
13 unique J



TRBV29-1*ap01

2228 sequences assigned
2201 (98.8%) exact matches, in which:
2156 unique CDR3
13 unique J



TRBV7-7*ap01_C315T

