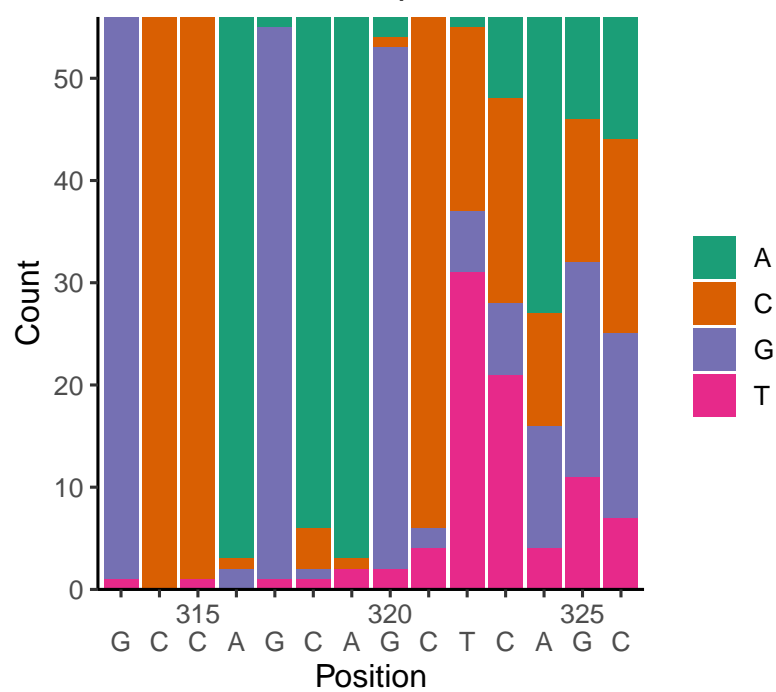
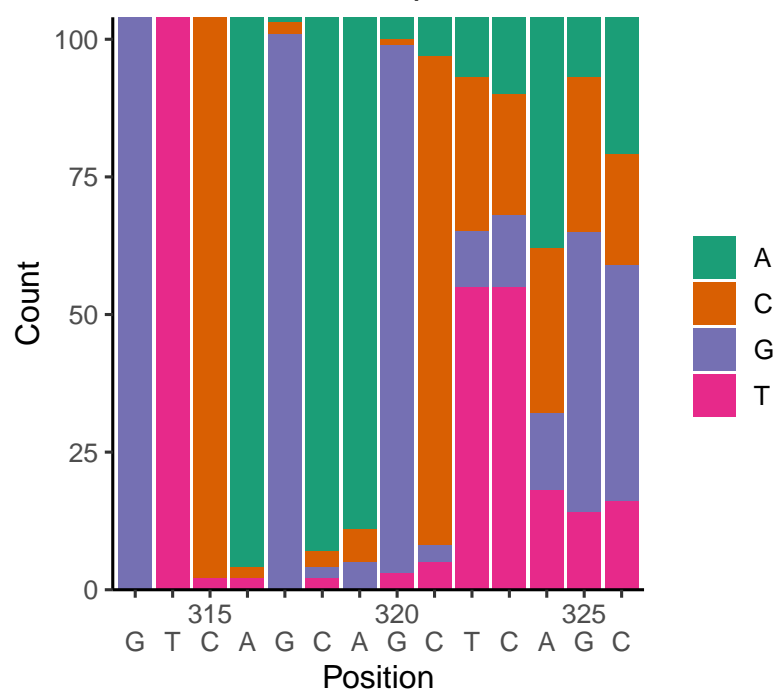


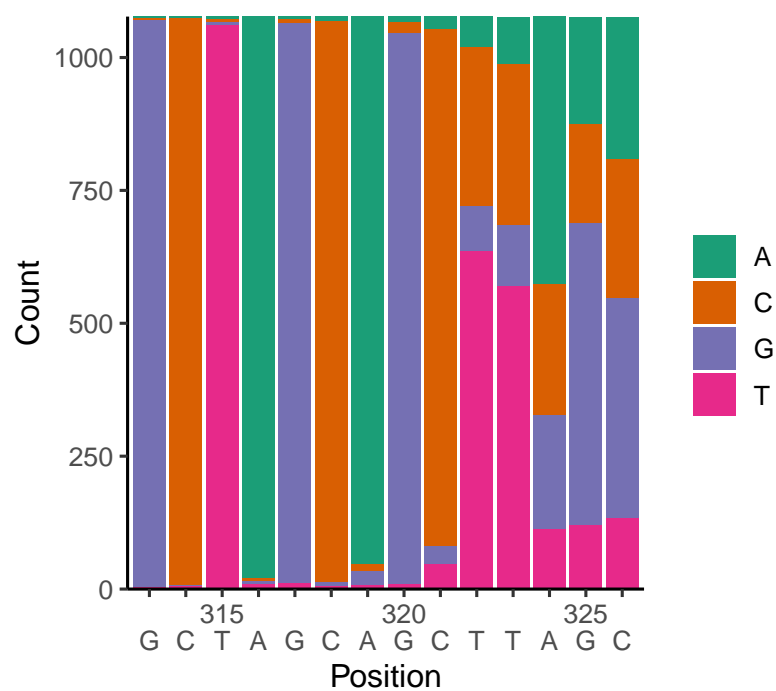
Gene TRBV7-1*ap01_G291C_T296C



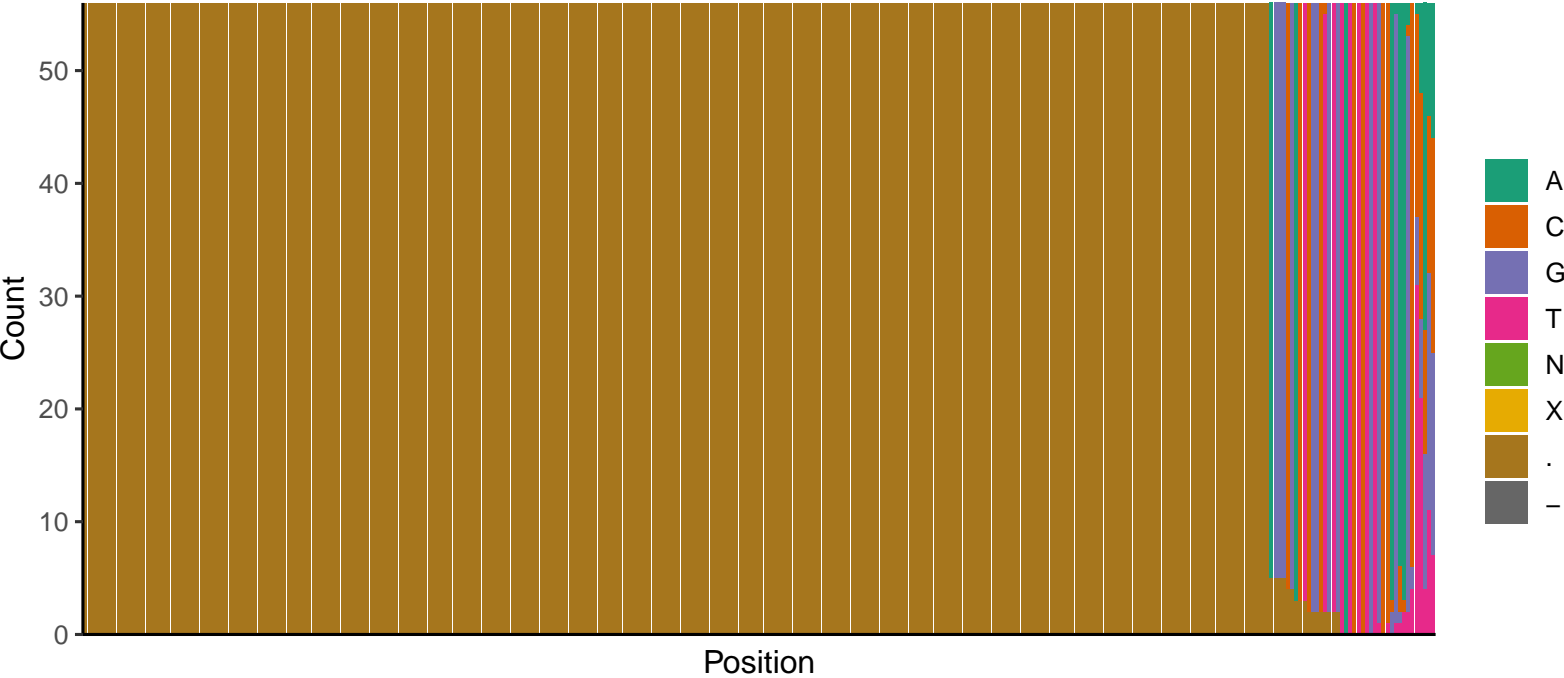
Gene TRBV7-1*ap01_G291C_T296C_C314T



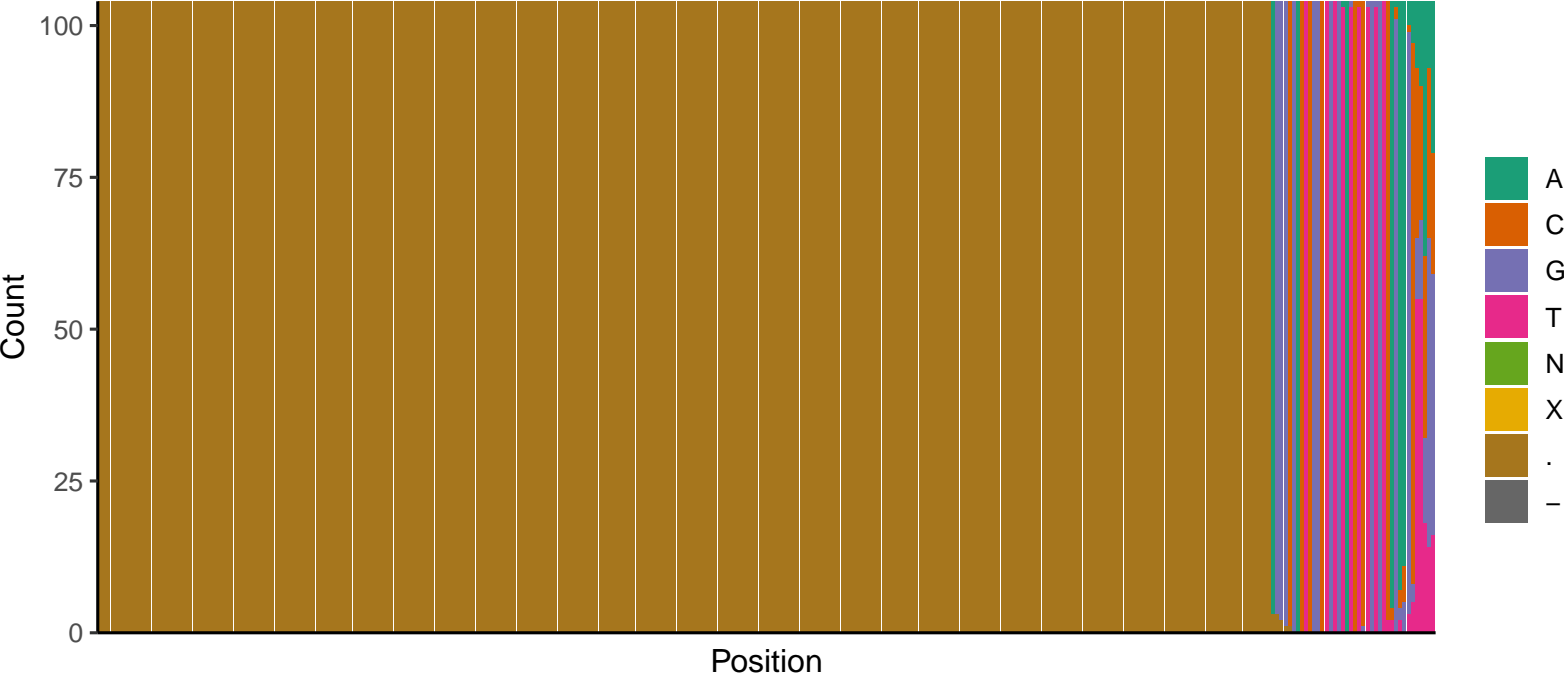
Gene TRBV7-7*ap01_C315T



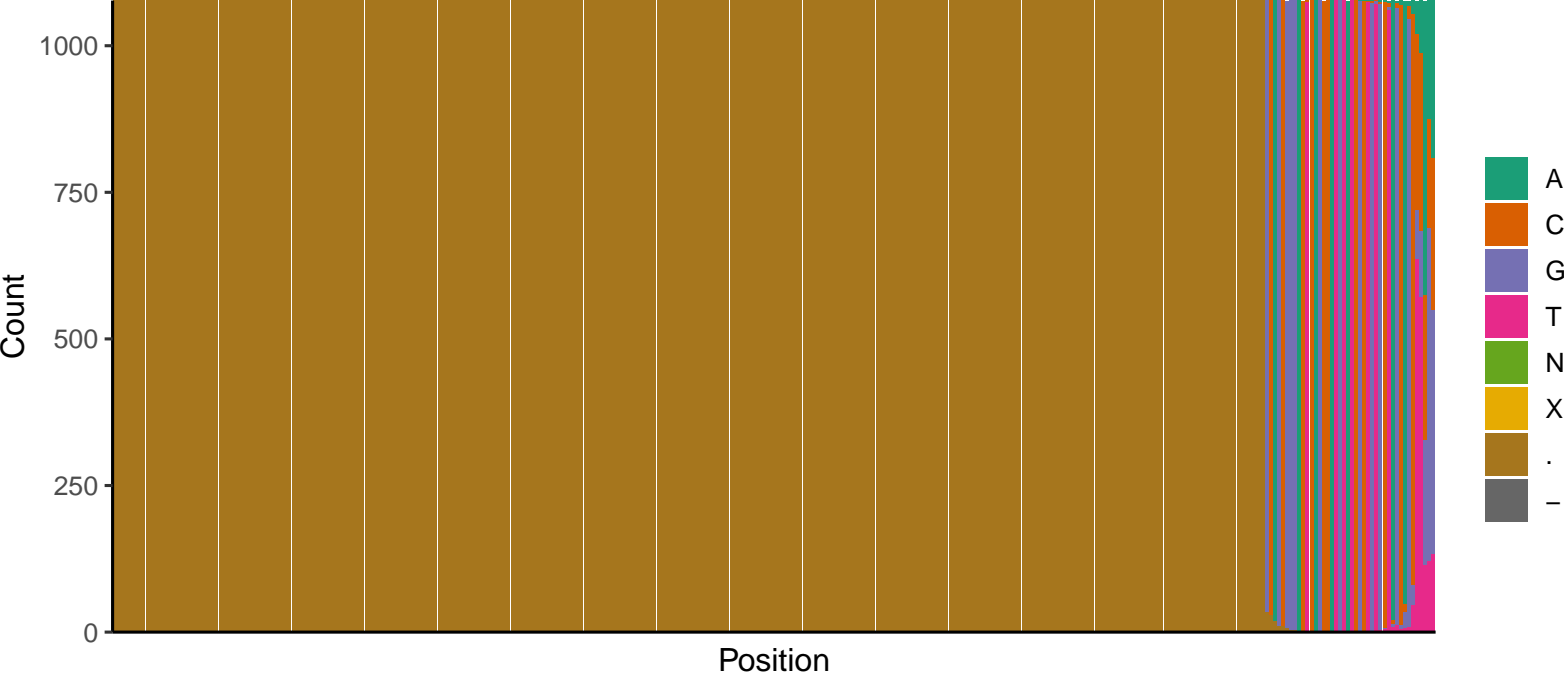
Gene TRBV7-1*ap01_G291C_T296C



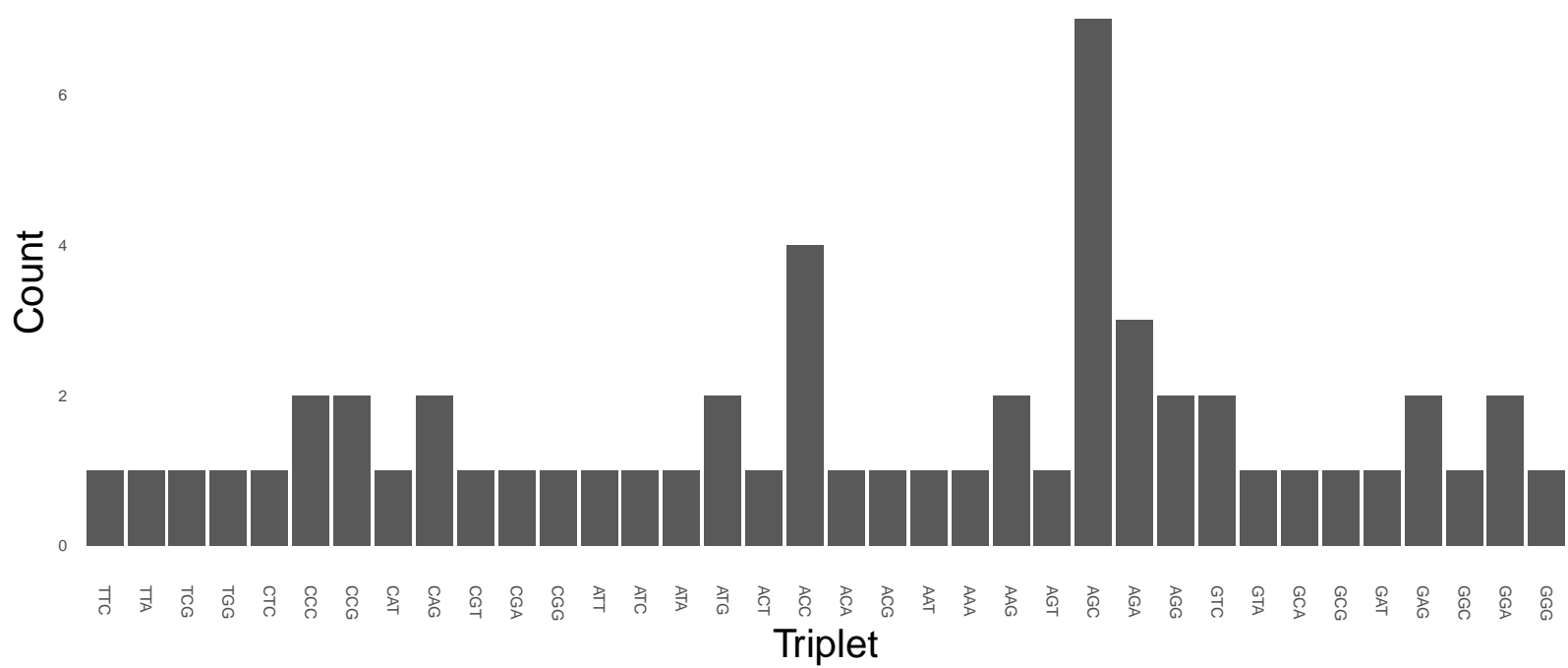
Gene TRBV7-1*ap01_G291C_T296C_C314T



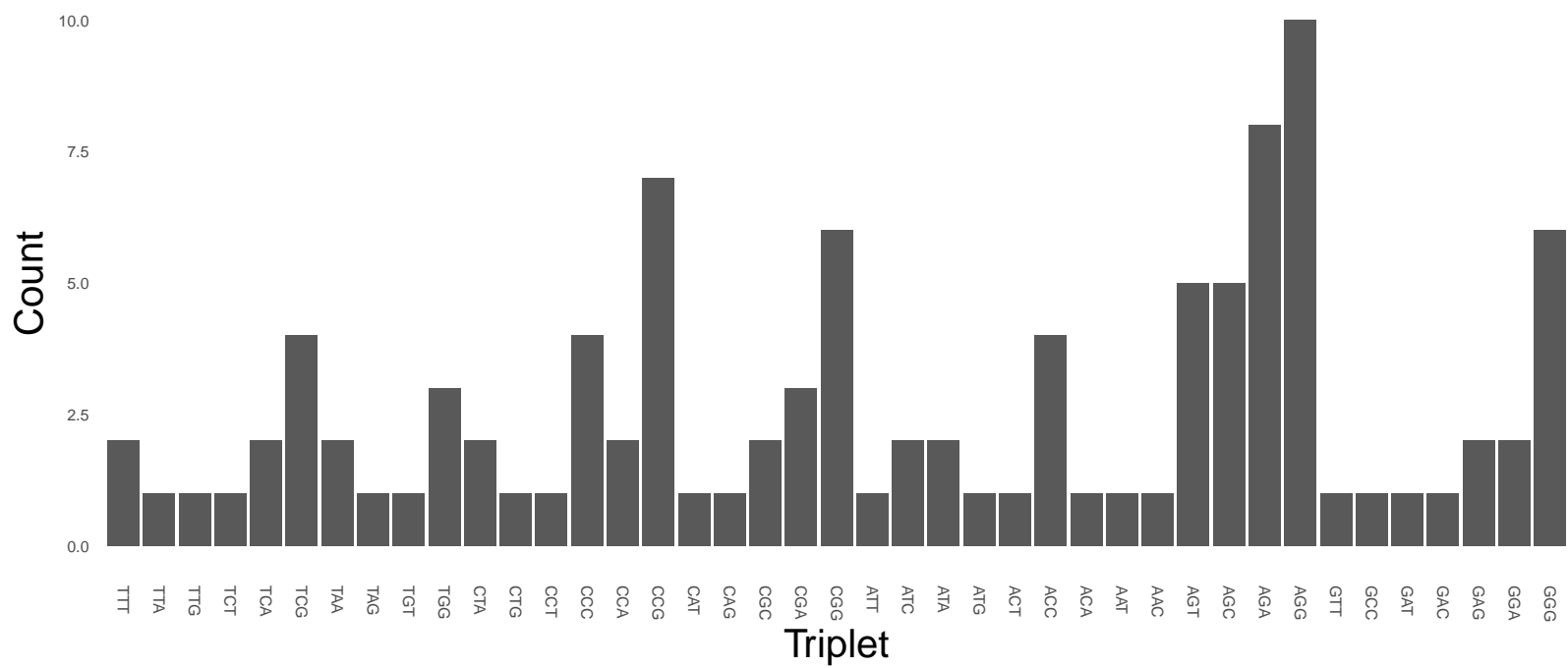
Gene TRBV7-7*ap01_C315T



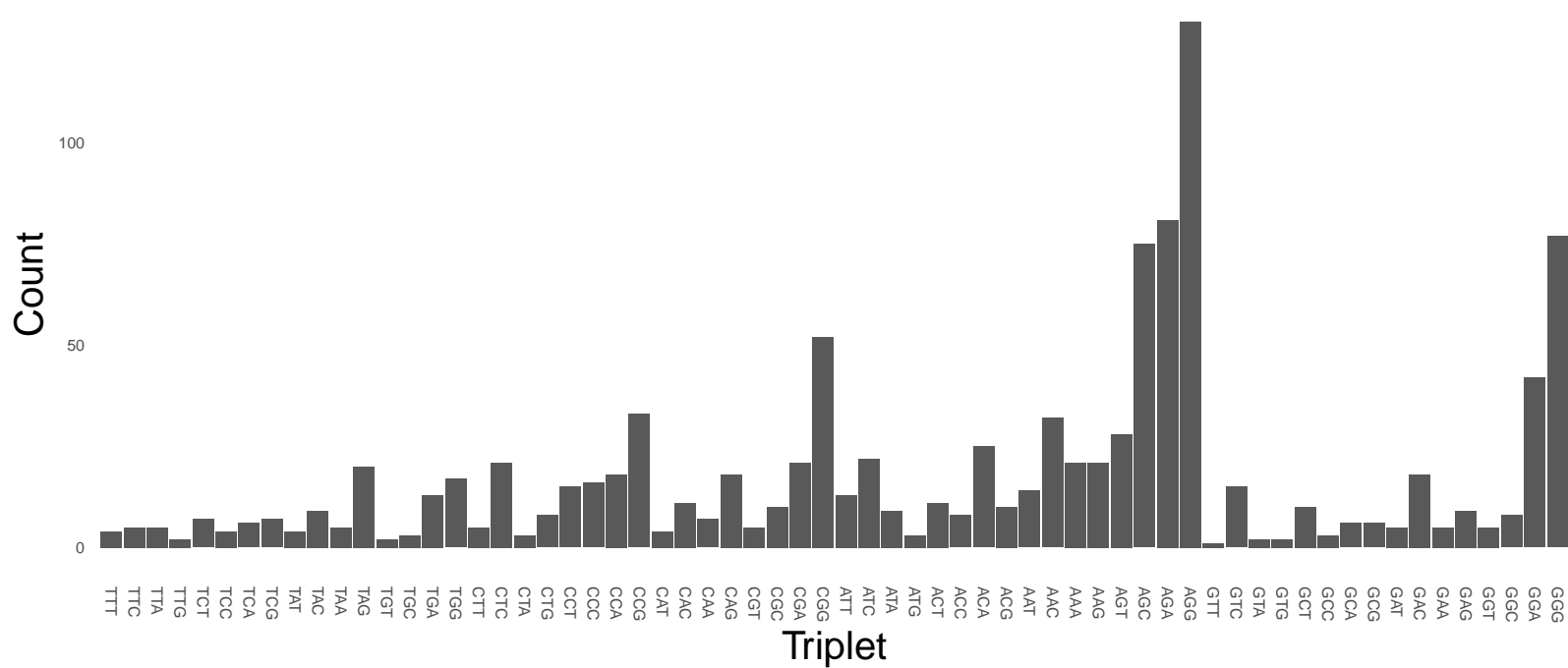
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

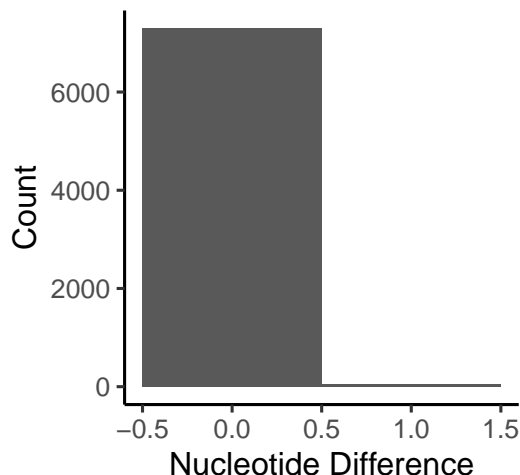


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



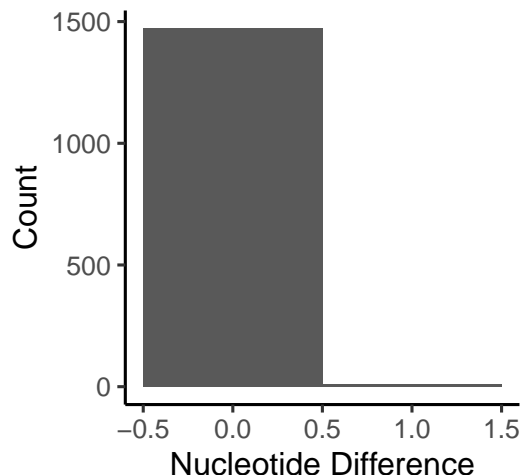
TRBV20-1*ap01

7347 sequences assigned
7296 (99.3%) exact matches, in which:
7248 unique CDR3
13 unique J



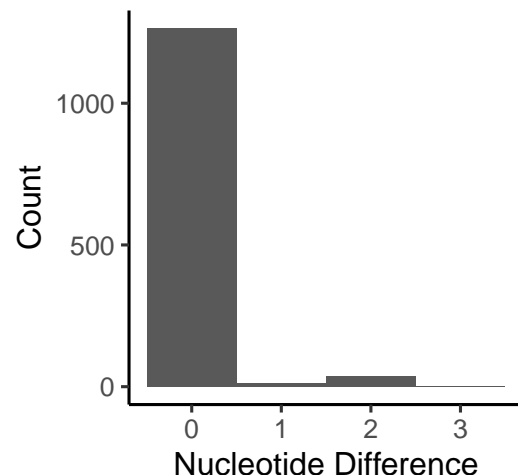
TRBV10-2*ap01

1483 sequences assigned
1472 (99.3%) exact matches, in which:
1457 unique CDR3
13 unique J



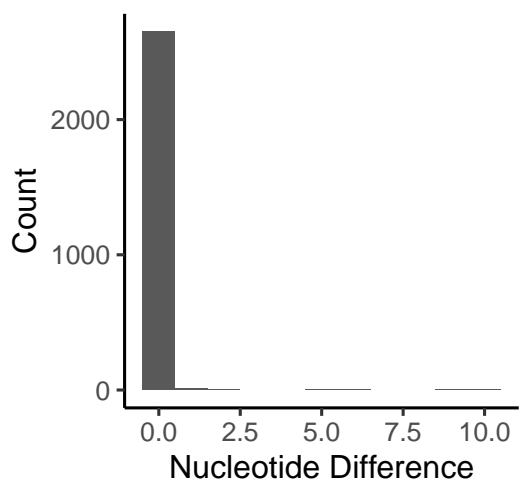
TRBV13*ap01

1314 sequences assigned
1264 (96.2%) exact matches, in which:
1240 unique CDR3
13 unique J



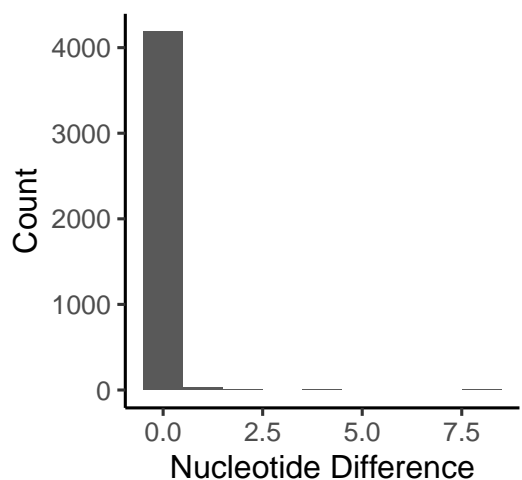
TRBV10-1*ap01

2665 sequences assigned
2650 (99.4%) exact matches, in which:
2624 unique CDR3
13 unique J



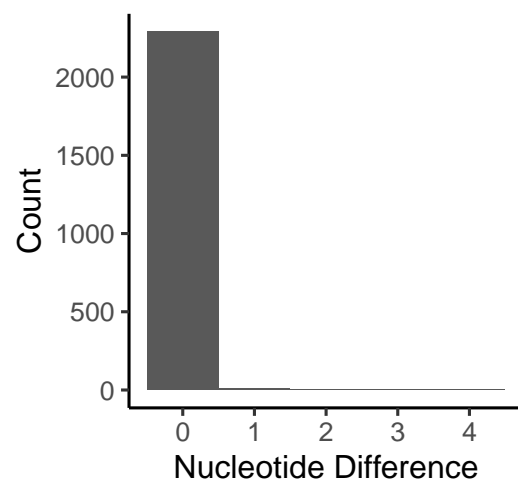
TRBV10-3*ap01

4224 sequences assigned
4186 (99.1%) exact matches, in which:
4159 unique CDR3
13 unique J



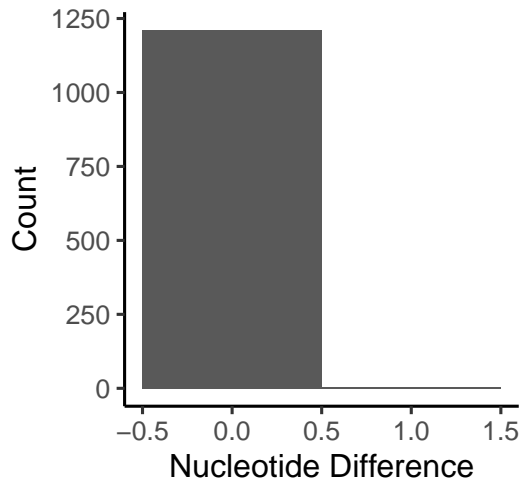
TRBV14*ap01

2305 sequences assigned
2290 (99.3%) exact matches, in which:
2279 unique CDR3
13 unique J



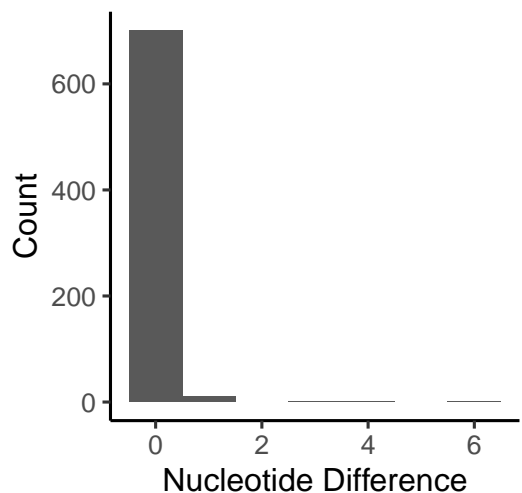
TRBV20-1*ap02

1216 sequences assigned
1211 (99.6%) exact matches, in which:
1202 unique CDR3
13 unique J



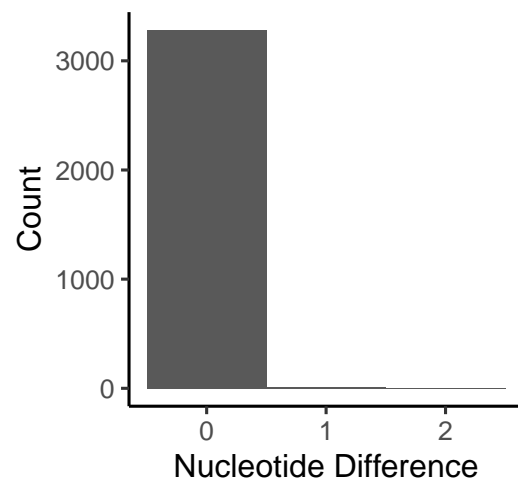
TRBV1*ap01

714 sequences assigned
701 (98.2%) exact matches, in which:
691 unique CDR3
13 unique J



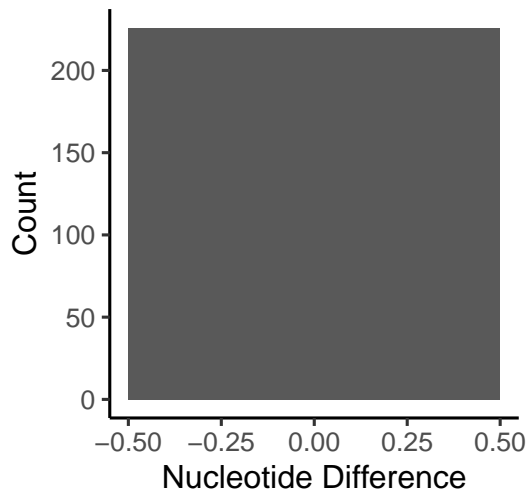
TRBV15*ap02

3298 sequences assigned
3282 (99.5%) exact matches, in which:
3239 unique CDR3
13 unique J



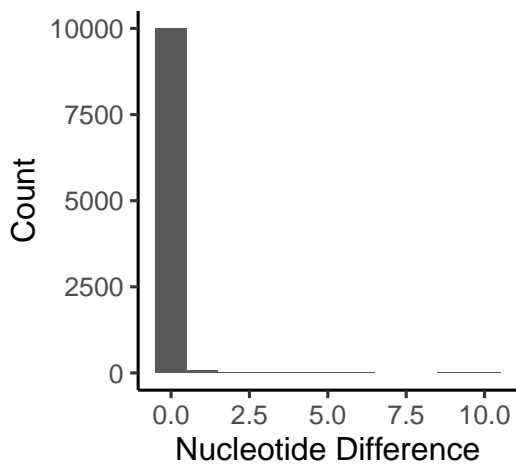
TRBV16*ap01

226 sequences assigned
226 (100%) exact matches, in which:
223 unique CDR3
13 unique J



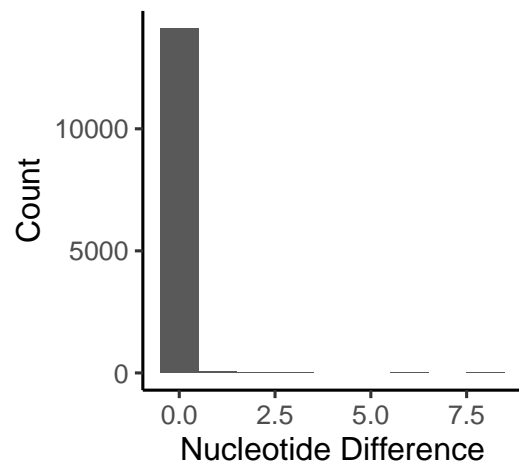
TRBV19*ap01

10098 sequences assigned
10009 (99.1%) exact matches, in which:
9957 unique CDR3
13 unique J



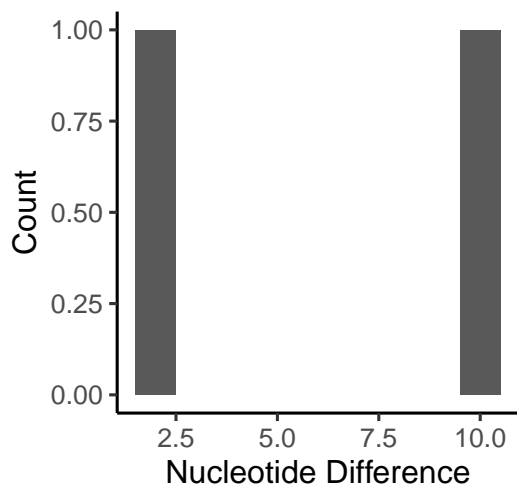
TRBV28*ap01

14208 sequences assigned
14122 (99.4%) exact matches, in which:
14024 unique CDR3
13 unique J



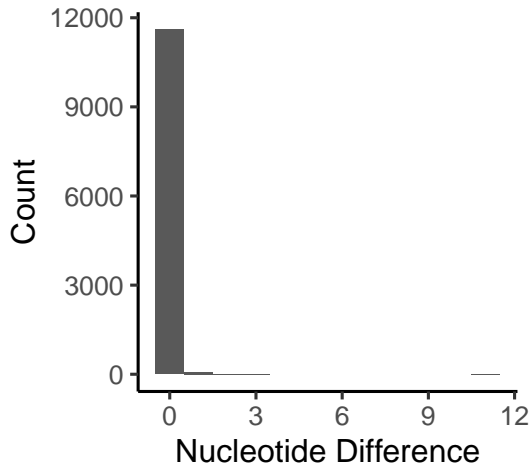
TRBV17*ap01

2 sequences assigned
No exact matches.



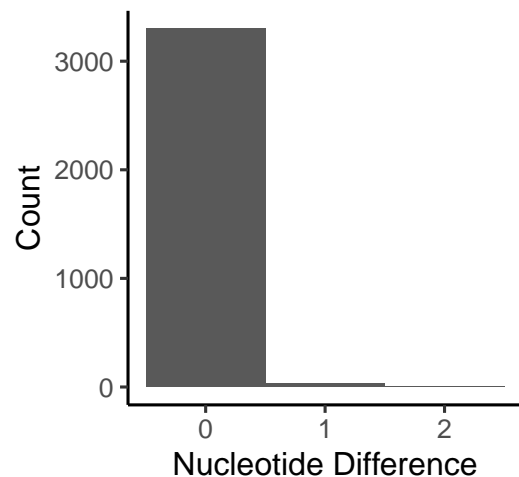
TRBV2*ap01

11686 sequences assigned
11605 (99.3%) exact matches, in which:
11503 unique CDR3
13 unique J



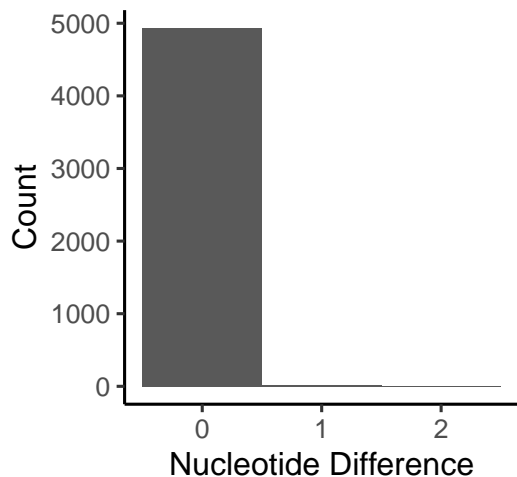
TRBV30*ap01

3332 sequences assigned
3299 (99%) exact matches, in which:
3230 unique CDR3
13 unique J



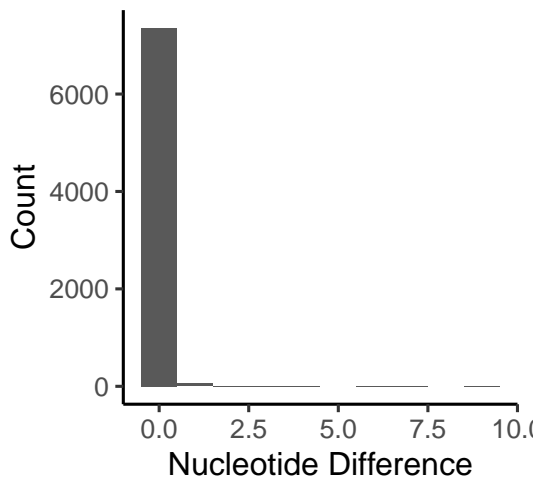
TRBV18*ap01

4954 sequences assigned
4934 (99.6%) exact matches, in which:
4919 unique CDR3
13 unique J



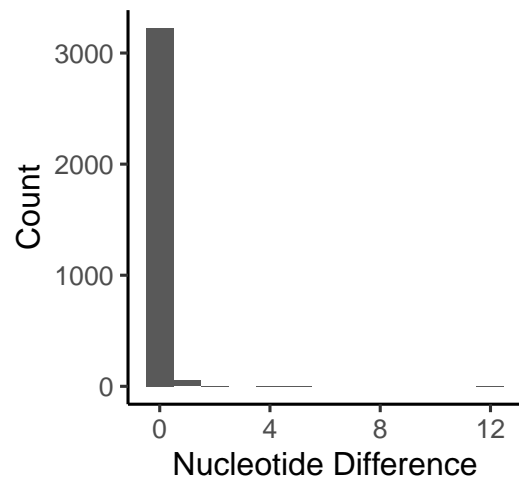
TRBV27*ap01

7425 sequences assigned
7355 (99.1%) exact matches, in which:
7289 unique CDR3
13 unique J



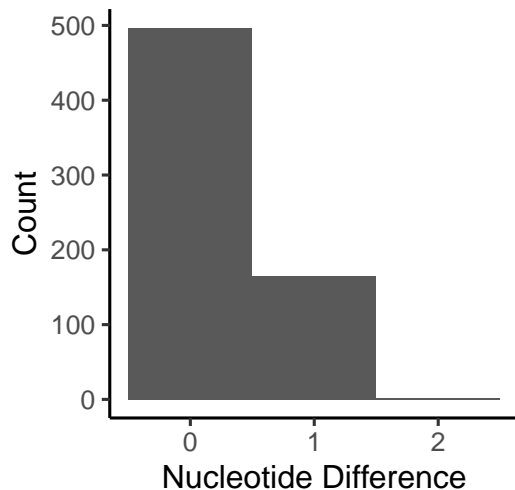
TRBV30*ap02

3283 sequences assigned
3225 (98.2%) exact matches, in which:
3178 unique CDR3
13 unique J



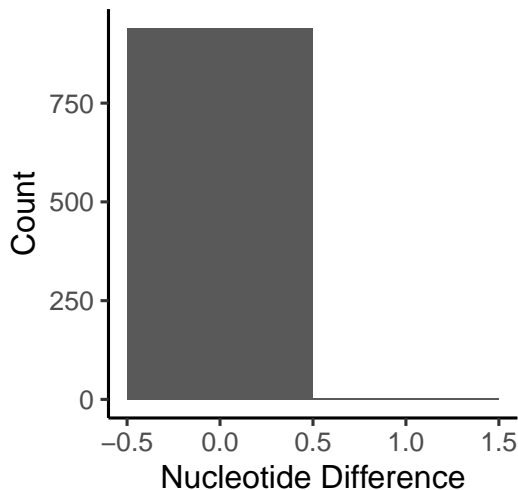
TRBV30*ap03

664 sequences assigned
497 (74.8%) exact matches, in which:
491 unique CDR3
13 unique J



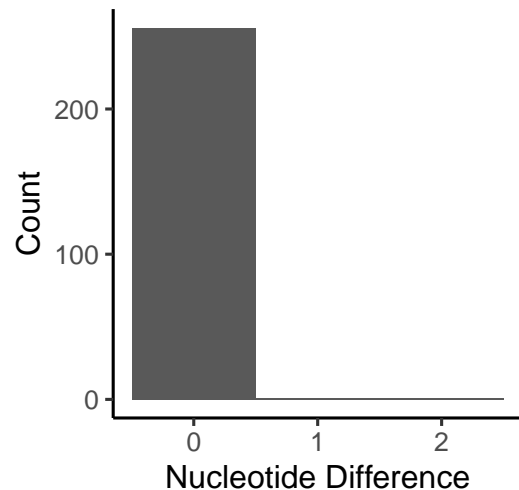
TRBV11-1*ap01

944 sequences assigned
941 (99.7%) exact matches, in which:
935 unique CDR3
13 unique J



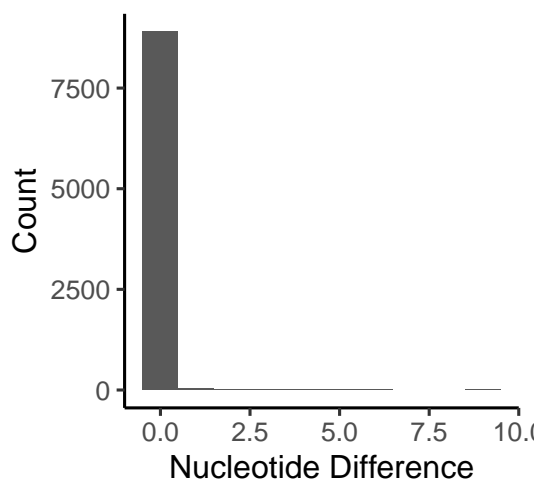
TRBV12-1*ap01

258 sequences assigned
256 (99.2%) exact matches, in which:
255 unique CDR3
13 unique J



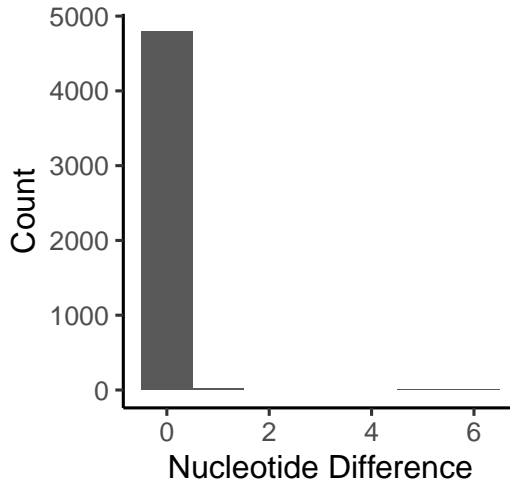
TRBV9*ap01

8955 sequences assigned
8900 (99.4%) exact matches, in which:
8842 unique CDR3
13 unique J



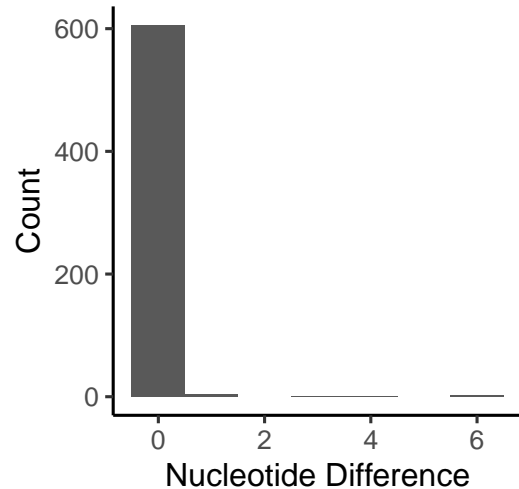
TRBV11-2*ap01

4811 sequences assigned
4791 (99.6%) exact matches, in which:
4764 unique CDR3
13 unique J



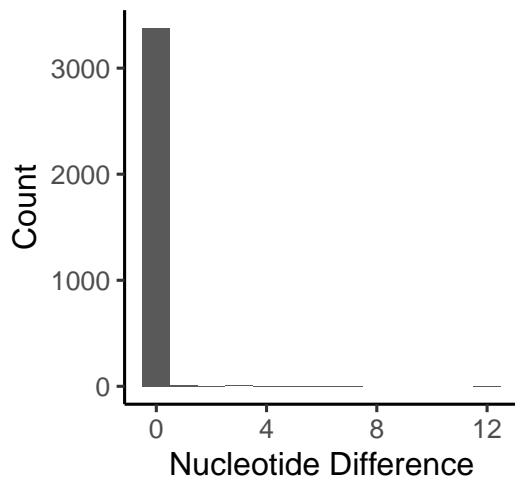
TRBV12-2*ap01

614 sequences assigned
606 (98.7%) exact matches, in which:
605 unique CDR3
13 unique J



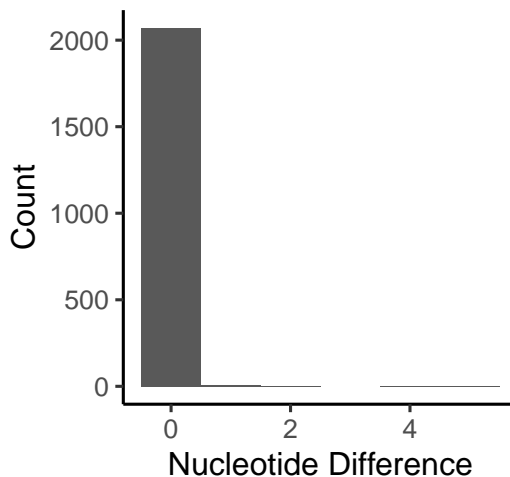
TRBV21-1*ap01

3410 sequences assigned
3378 (99.1%) exact matches, in which:
3360 unique CDR3
13 unique J



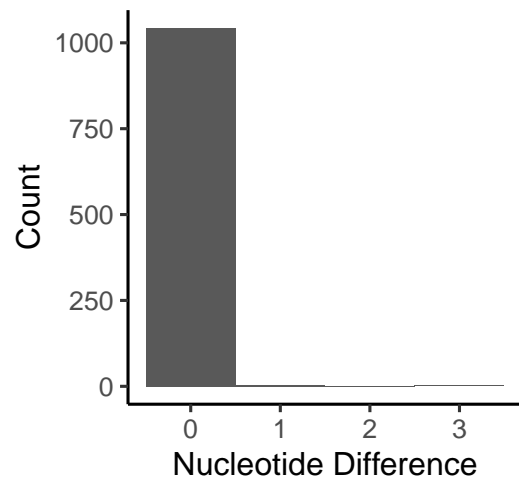
TRBV11-3*ap01

2080 sequences assigned
2070 (99.5%) exact matches, in which:
2060 unique CDR3
13 unique J



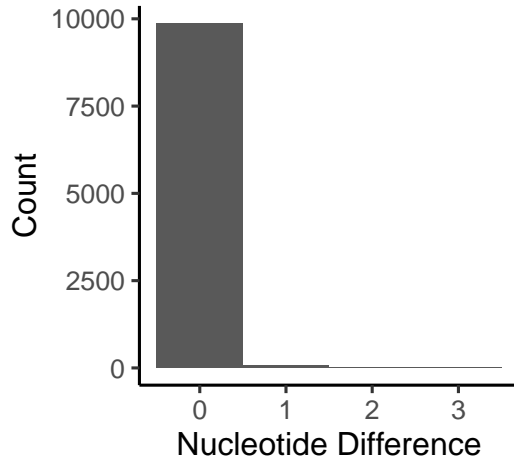
TRBV12-5*ap01

1050 sequences assigned
1043 (99.3%) exact matches, in which:
1035 unique CDR3
13 unique J



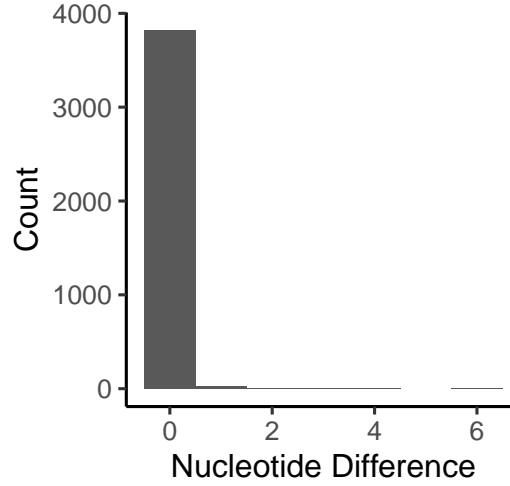
TRBV12-34*ap01

9955 sequences assigned
9876 (99.2%) exact matches, in which:
9795 unique CDR3
13 unique J



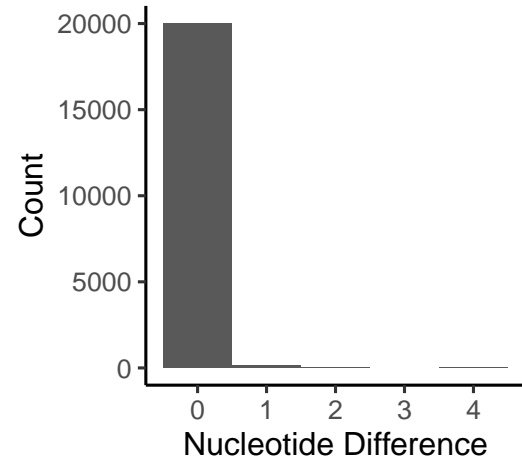
TRBV24-1*ap01

3847 sequences assigned
3818 (99.2%) exact matches, in which:
3792 unique CDR3
13 unique J



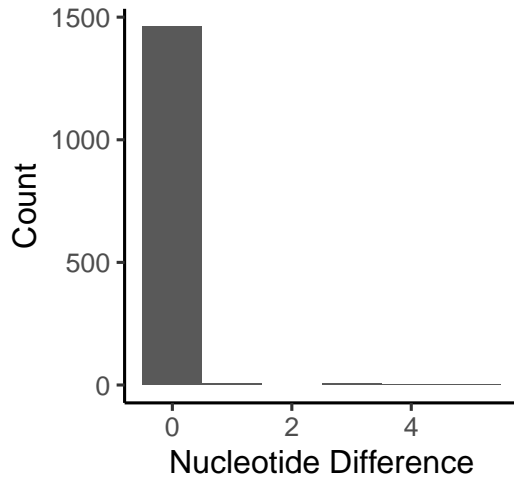
TRBV5-1*ap01

20170 sequences assigned
20024 (99.3%) exact matches, in which:
19783 unique CDR3
13 unique J



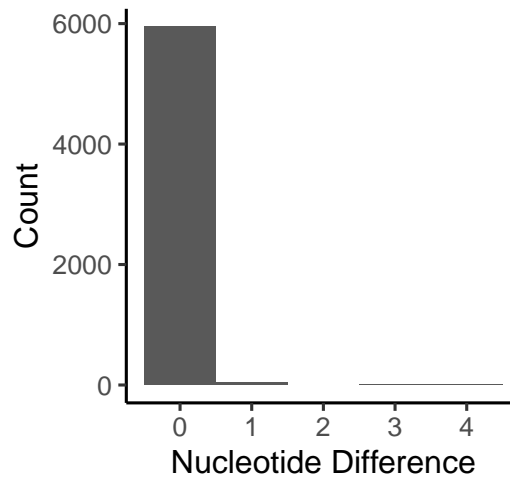
TRBV23-1*ap01

1476 sequences assigned
1461 (99%) exact matches, in which:
1452 unique CDR3
13 unique J



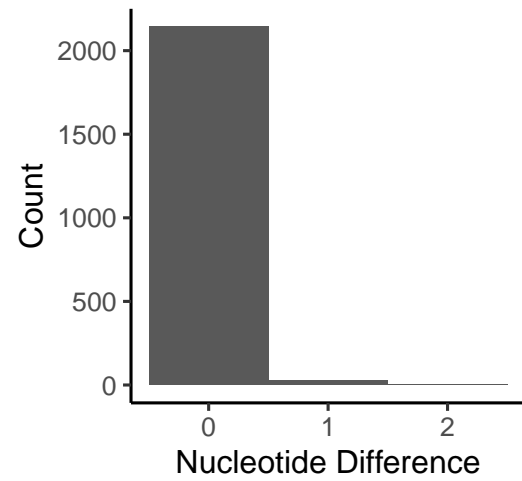
TRBV4-1*ap01

5990 sequences assigned
5948 (99.3%) exact matches, in which:
5860 unique CDR3
13 unique J



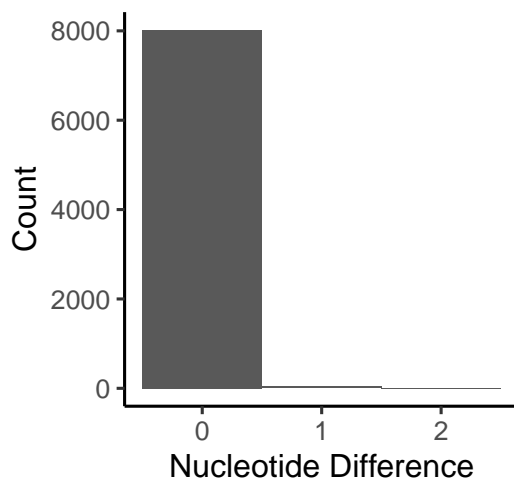
TRBV25-1*ap01

2170 sequences assigned
2143 (98.8%) exact matches, in which:
2091 unique CDR3
13 unique J



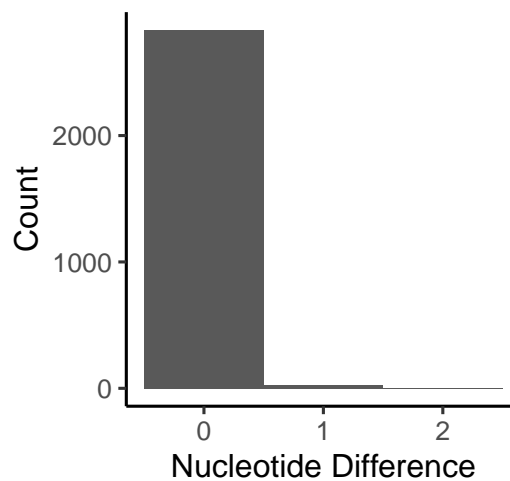
TRBV3-12*ap01

8062 sequences assigned
8018 (99.5%) exact matches, in which:
7983 unique CDR3
13 unique J



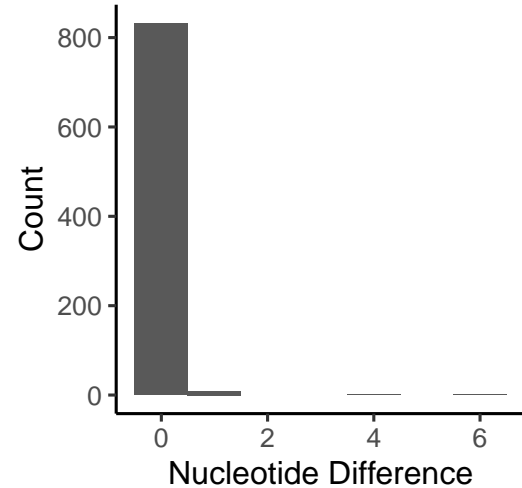
TRBV4-2*ap01

2862 sequences assigned
2835 (99.1%) exact matches, in which:
2798 unique CDR3
13 unique J



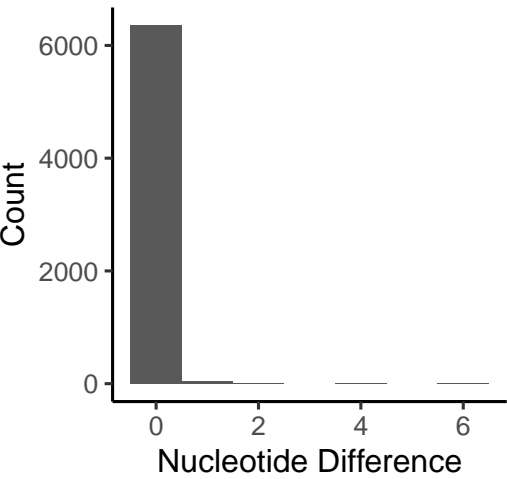
TRBV5-3*ap01

843 sequences assigned
832 (98.7%) exact matches, in which:
821 unique CDR3
13 unique J



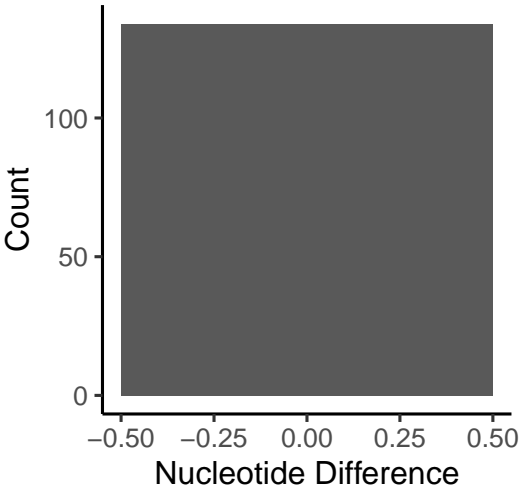
TRBV5-4*ap01

6410 sequences assigned
6355 (99.1%) exact matches, in which:
6284 unique CDR3
13 unique J



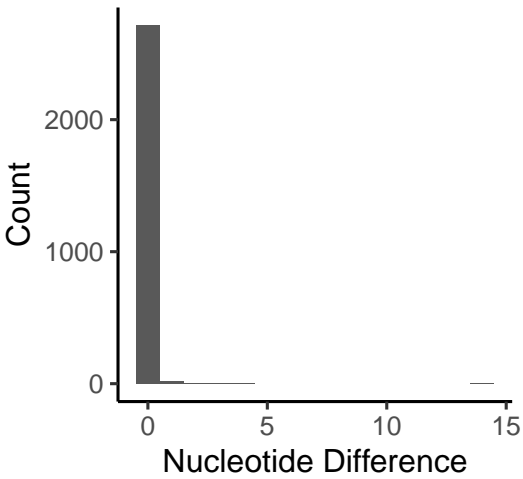
TRBV5-7*ap01

134 sequences assigned
134 (100%) exact matches, in which:
130 unique CDR3
13 unique J



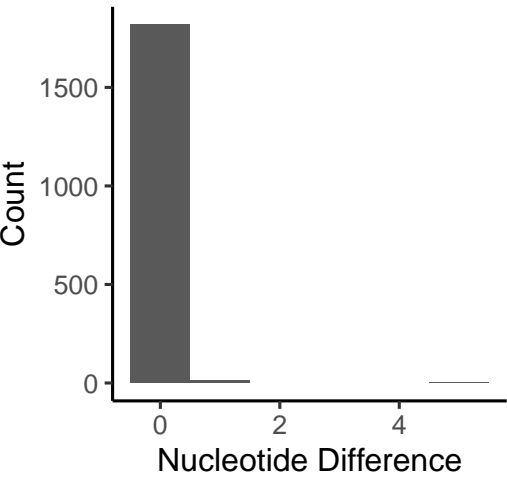
TRBV6-4*ap01

2743 sequences assigned
2714 (98.9%) exact matches, in which:
2691 unique CDR3
13 unique J



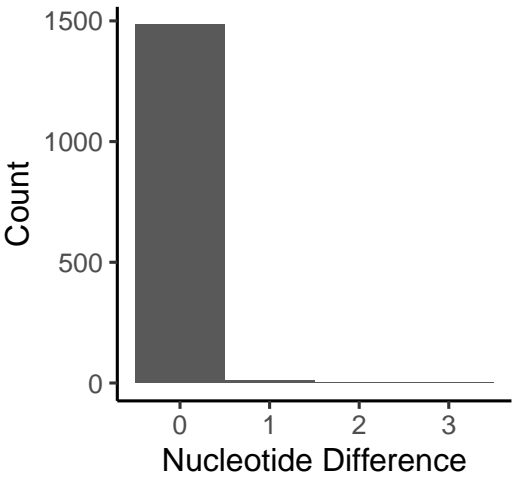
TRBV5-5*ap01

1831 sequences assigned
1818 (99.3%) exact matches, in which:
1813 unique CDR3
14 unique J



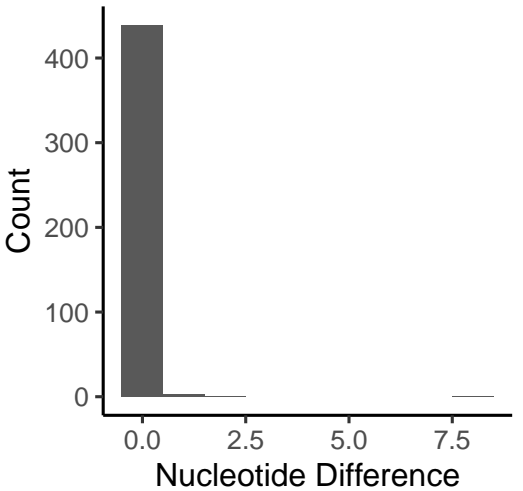
TRBV5-8*ap01

1498 sequences assigned
1484 (99.1%) exact matches, in which:
1469 unique CDR3
14 unique J



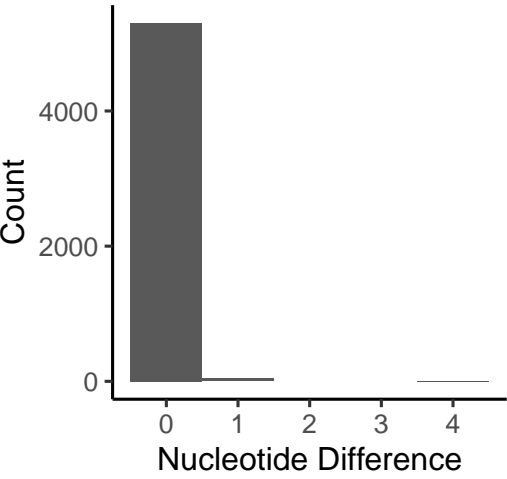
TRBV6-7*ap01

444 sequences assigned
439 (98.9%) exact matches, in which:
433 unique CDR3
13 unique J



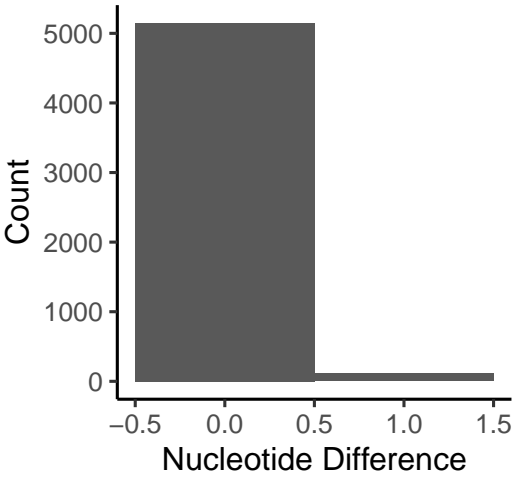
TRBV5-6*ap01

5345 sequences assigned
5301 (99.2%) exact matches, in which:
5192 unique CDR3
13 unique J



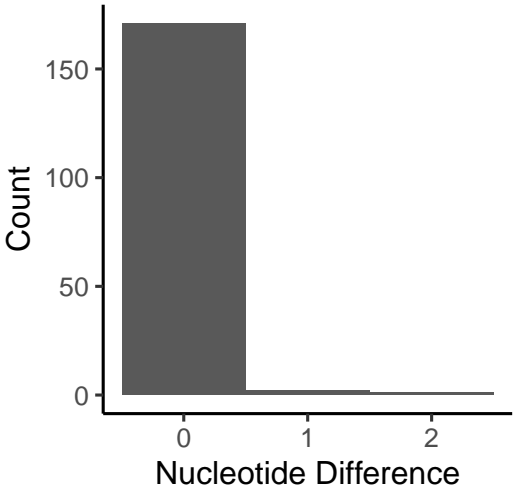
TRBV6-1*ap01

5262 sequences assigned
5148 (97.8%) exact matches, in which:
5074 unique CDR3
13 unique J



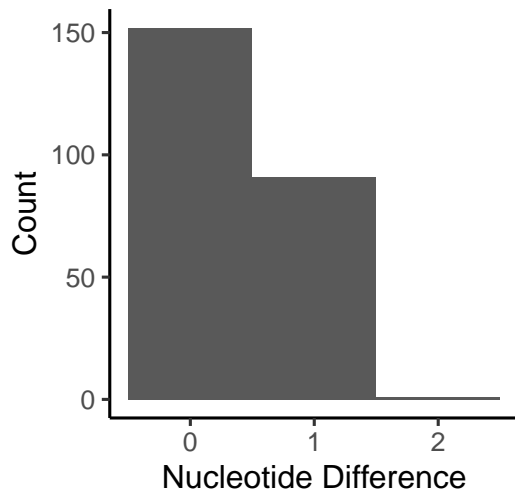
TRBV6-8*ap01

174 sequences assigned
171 (98.3%) exact matches, in which:
168 unique CDR3
13 unique J



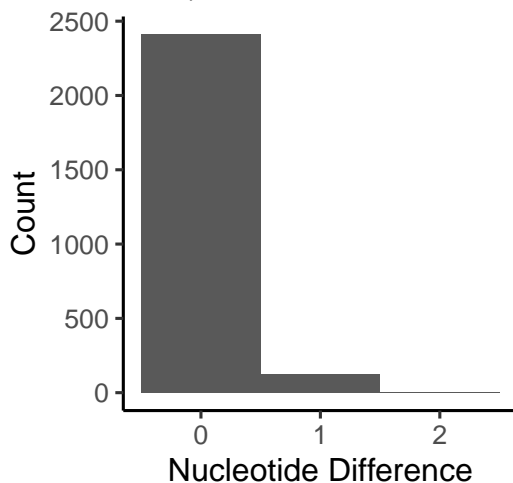
TRBV6–9*ap01

244 sequences assigned
152 (62.3%) exact matches, in which:
151 unique CDR3
13 unique J



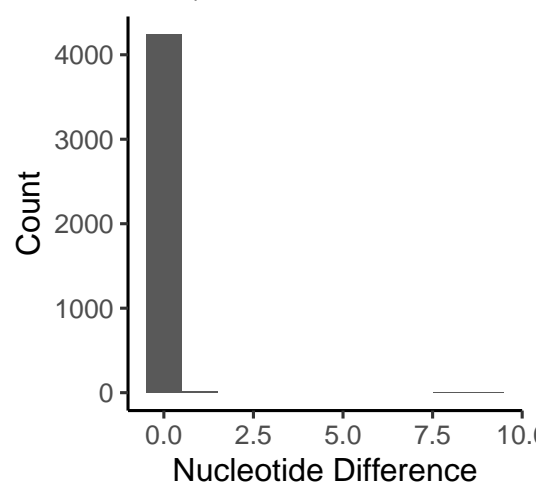
TRBV6–56*ap02

2534 sequences assigned
2411 (95.1%) exact matches, in which:
2371 unique CDR3
13 unique J



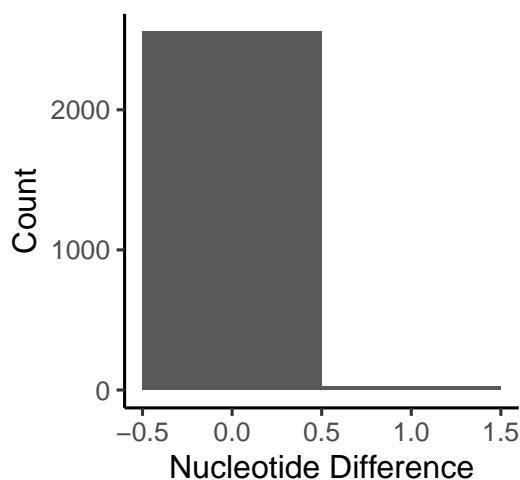
TRBV7–2*ap01

4266 sequences assigned
4241 (99.4%) exact matches, in which:
4217 unique CDR3
13 unique J



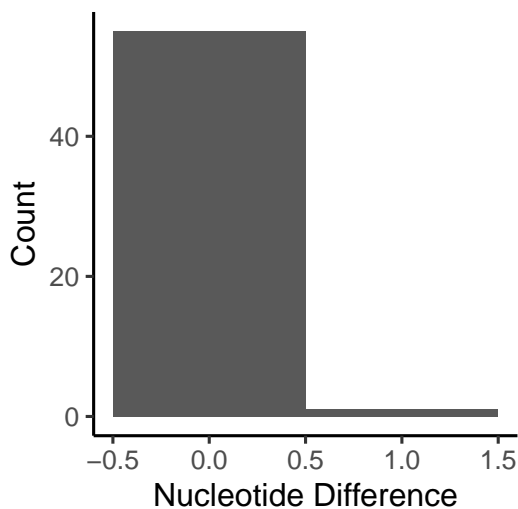
TRBV6–23*ap01

2584 sequences assigned
2557 (99%) exact matches, in which:
2508 unique CDR3
13 unique J



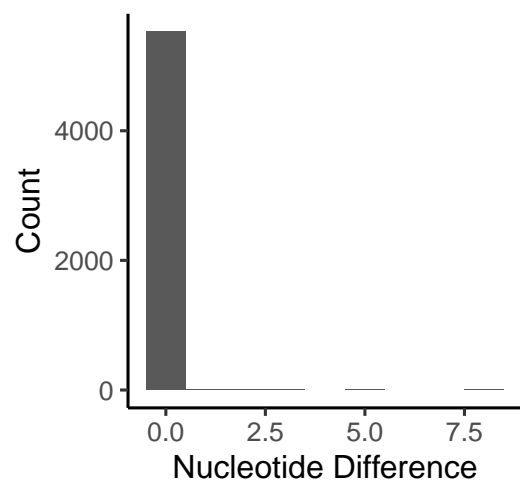
TRBV7–1*ap01_G291C_T

56 sequences assigned
55 (98.2%) exact matches, in which:
55 unique CDR3
11 unique J



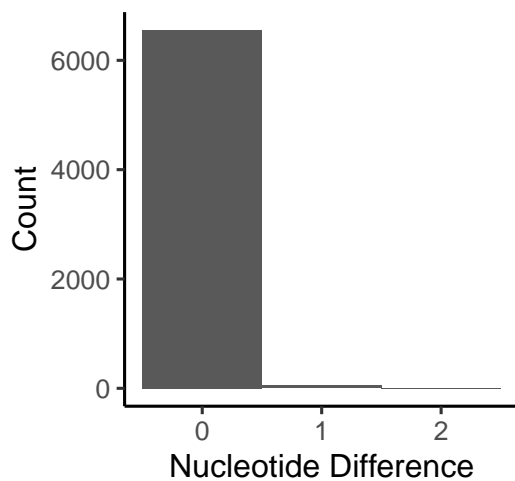
TRBV7–3*ap01

5546 sequences assigned
5528 (99.7%) exact matches, in which:
5487 unique CDR3
13 unique J



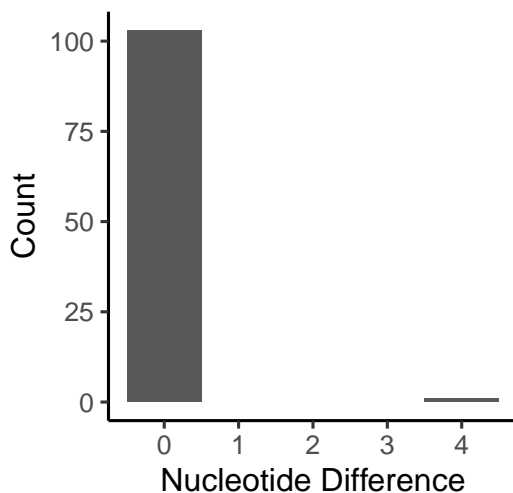
TRBV6–56*ap01

6608 sequences assigned
6554 (99.2%) exact matches, in which:
6428 unique CDR3
13 unique J



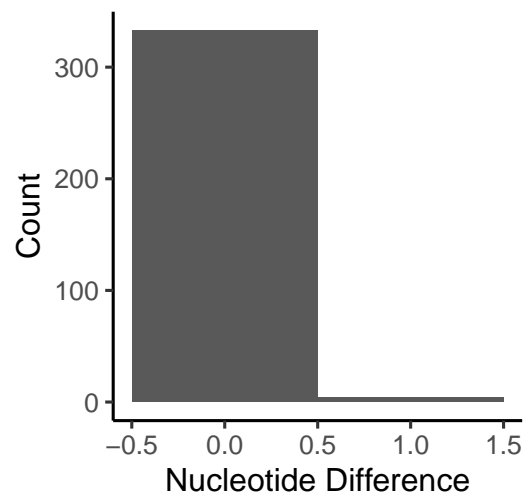
TRBV7–1*ap01_G291C_

104 sequences assigned
103 (99%) exact matches, in which:
102 unique CDR3
13 unique J



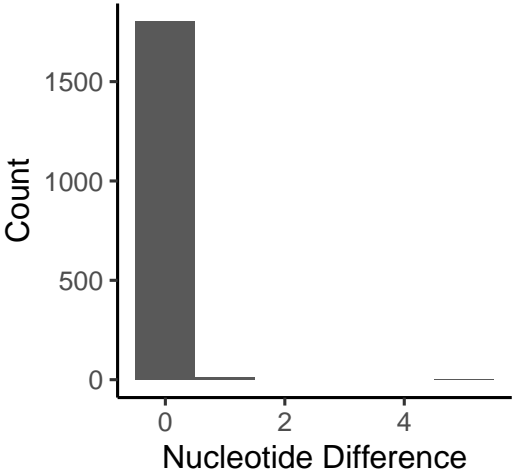
TRBV7–4*ap01

337 sequences assigned
333 (98.8%) exact matches, in which:
330 unique CDR3
13 unique J



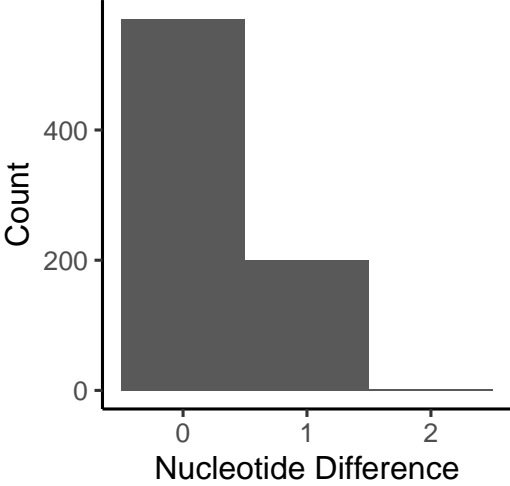
TRBV7-6*ap01

1816 sequences assigned
1803 (99.3%) exact matches, in which:
1785 unique CDR3
13 unique J



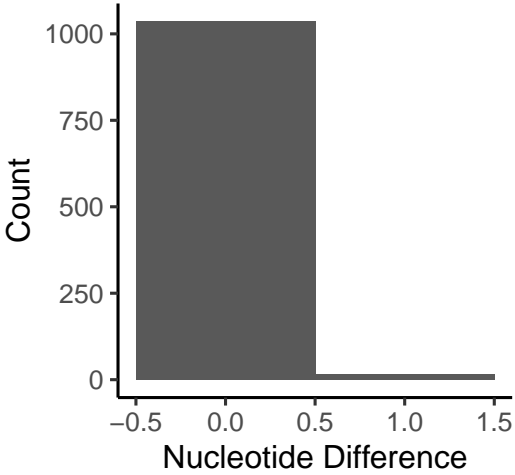
TRBV7-8*ap03

773 sequences assigned
571 (73.9%) exact matches, in which:
564 unique CDR3
13 unique J



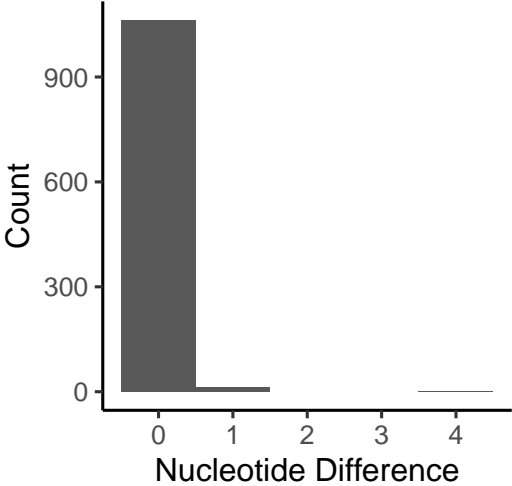
TRBV29-1*ap02

1052 sequences assigned
1036 (98.5%) exact matches, in which:
1012 unique CDR3
13 unique J



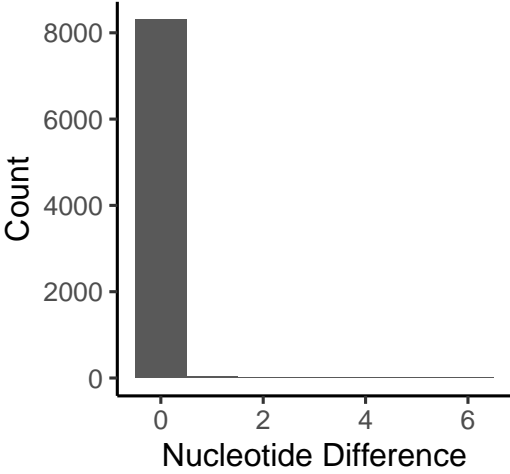
TRBV7-7*ap01_C315T

1077 sequences assigned
1063 (98.7%) exact matches, in which:
1051 unique CDR3
13 unique J



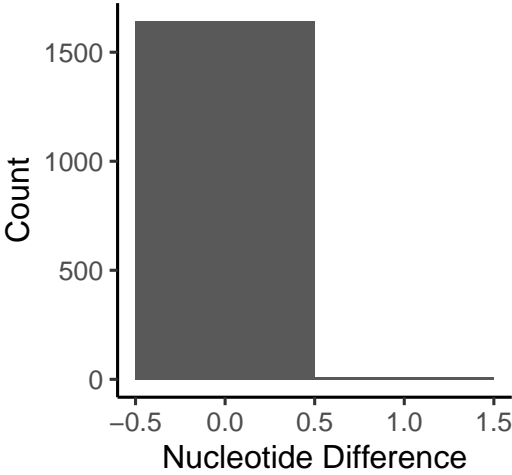
TRBV7-9*ap01

8353 sequences assigned
8303 (99.4%) exact matches, in which:
8233 unique CDR3
13 unique J



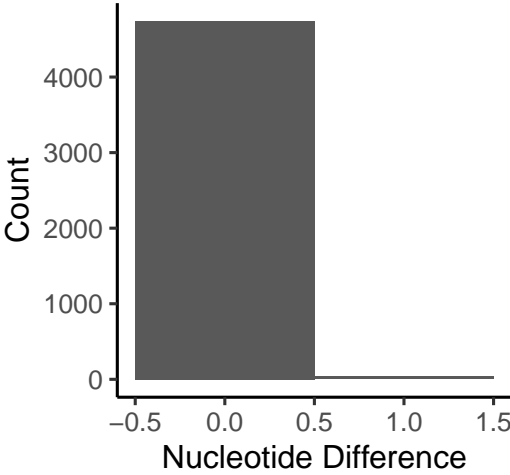
TRBV7-8*ap01

1655 sequences assigned
1643 (99.3%) exact matches, in which:
1624 unique CDR3
13 unique J

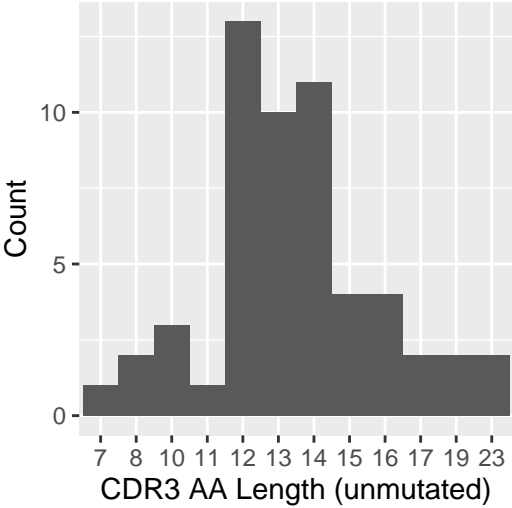


TRBV29-1*ap01

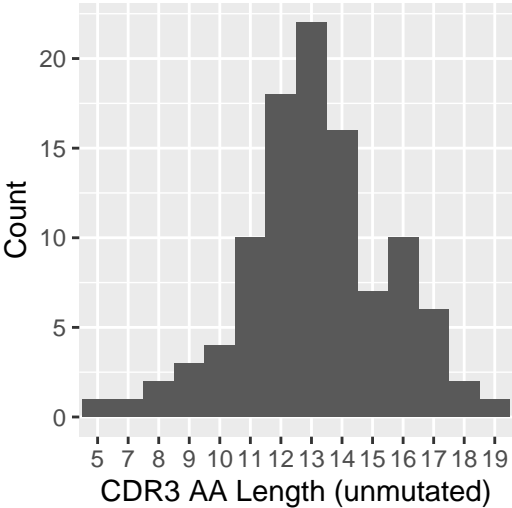
4780 sequences assigned
4741 (99.2%) exact matches, in which:
4651 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

