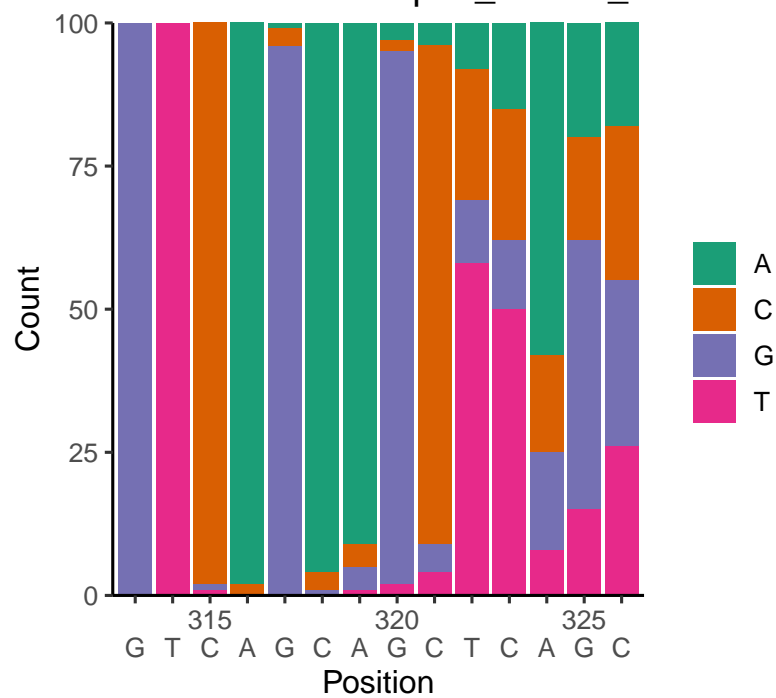
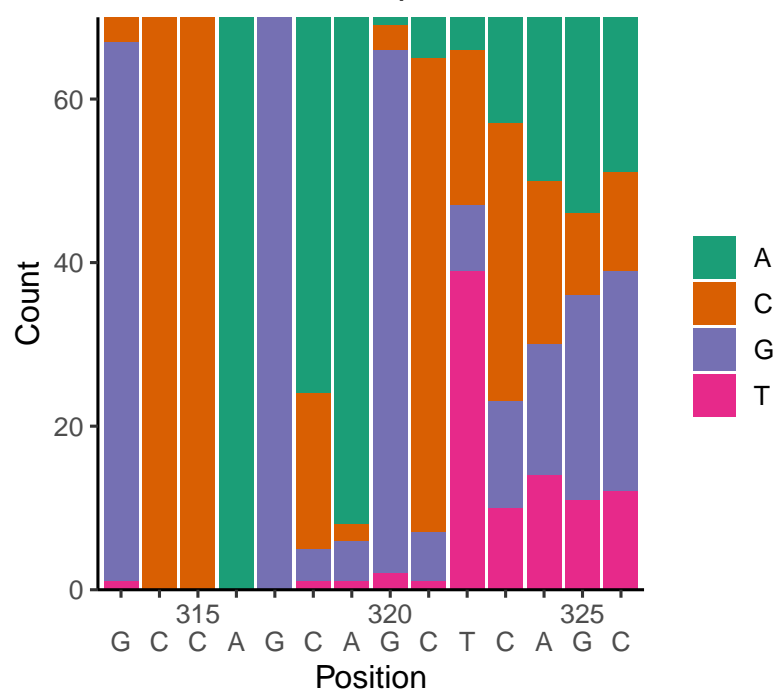


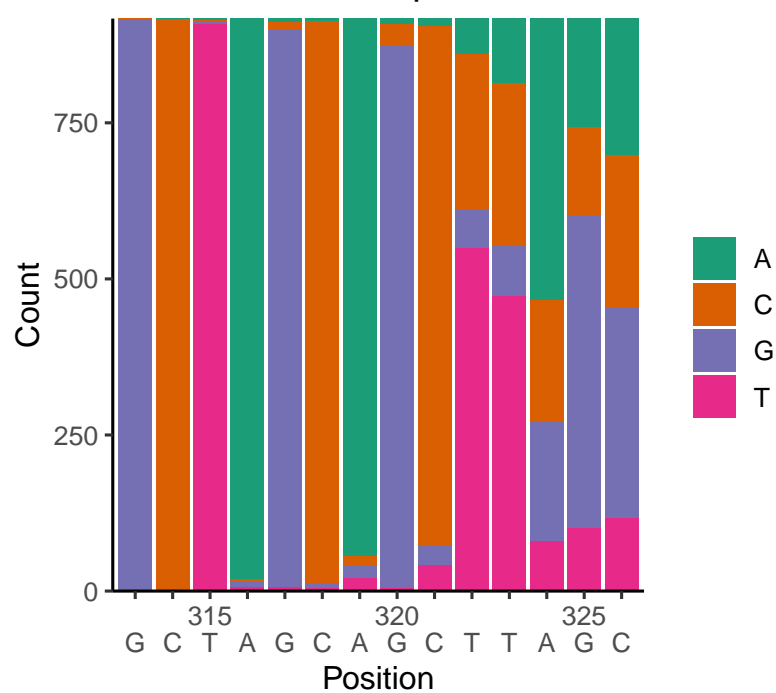
Gene TRBV7-1*ap01_T296C_C314T



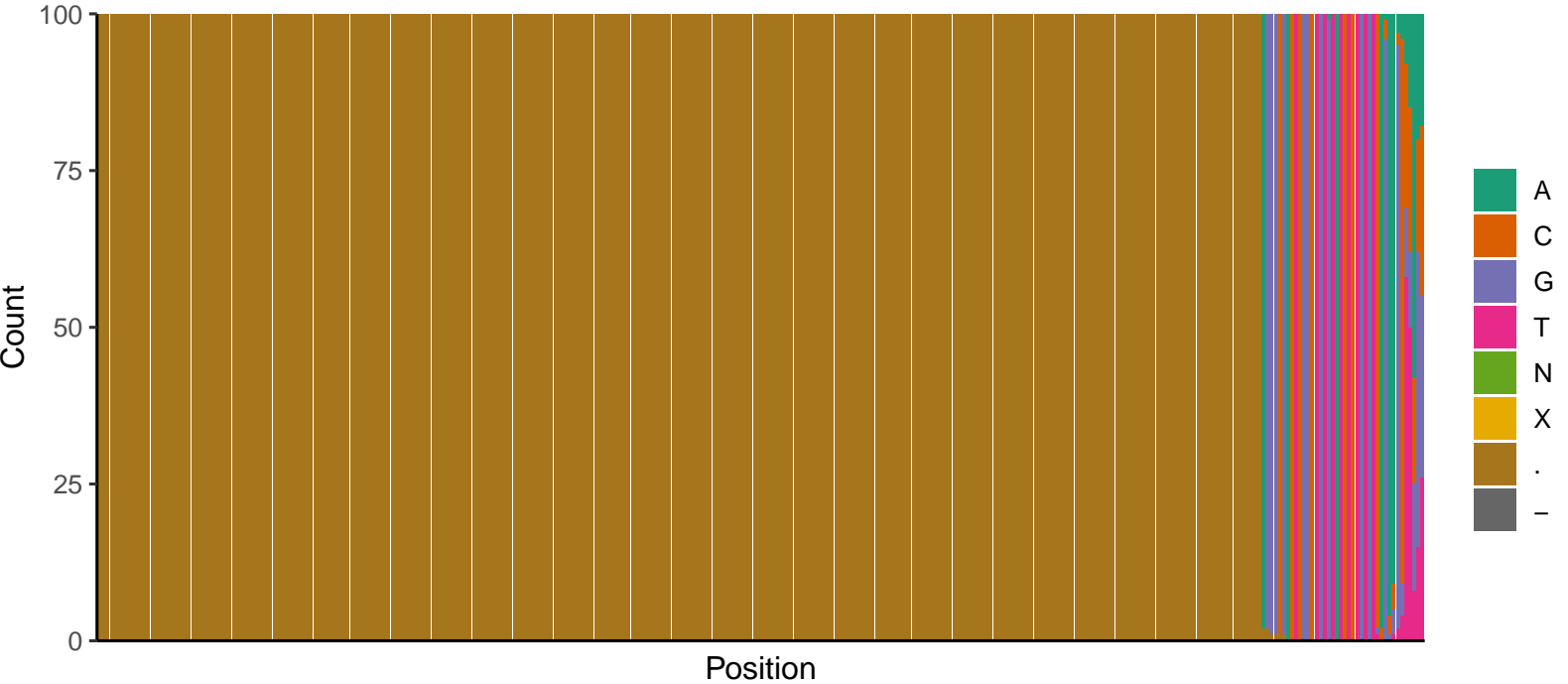
Gene TRBV7-1*ap01_T296C



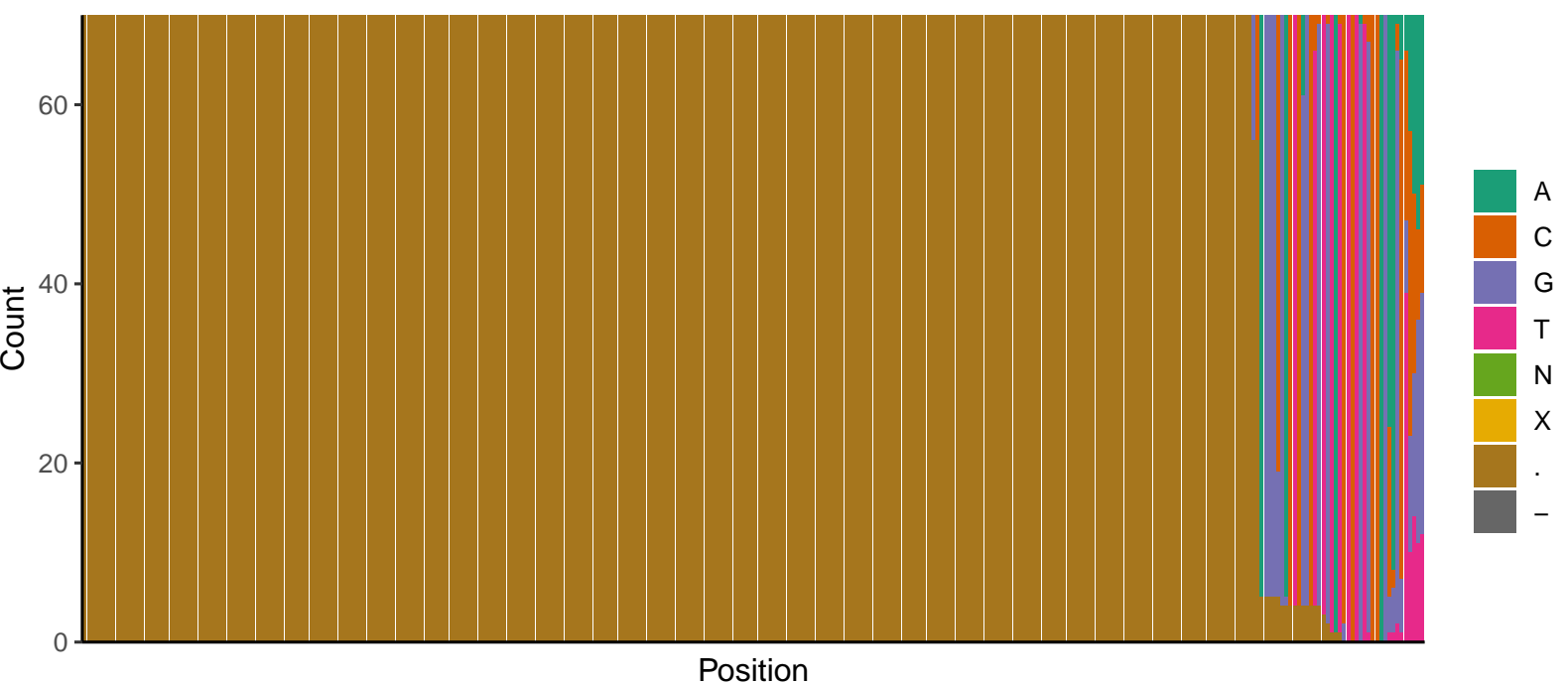
Gene TRBV7-7*ap01_C315T



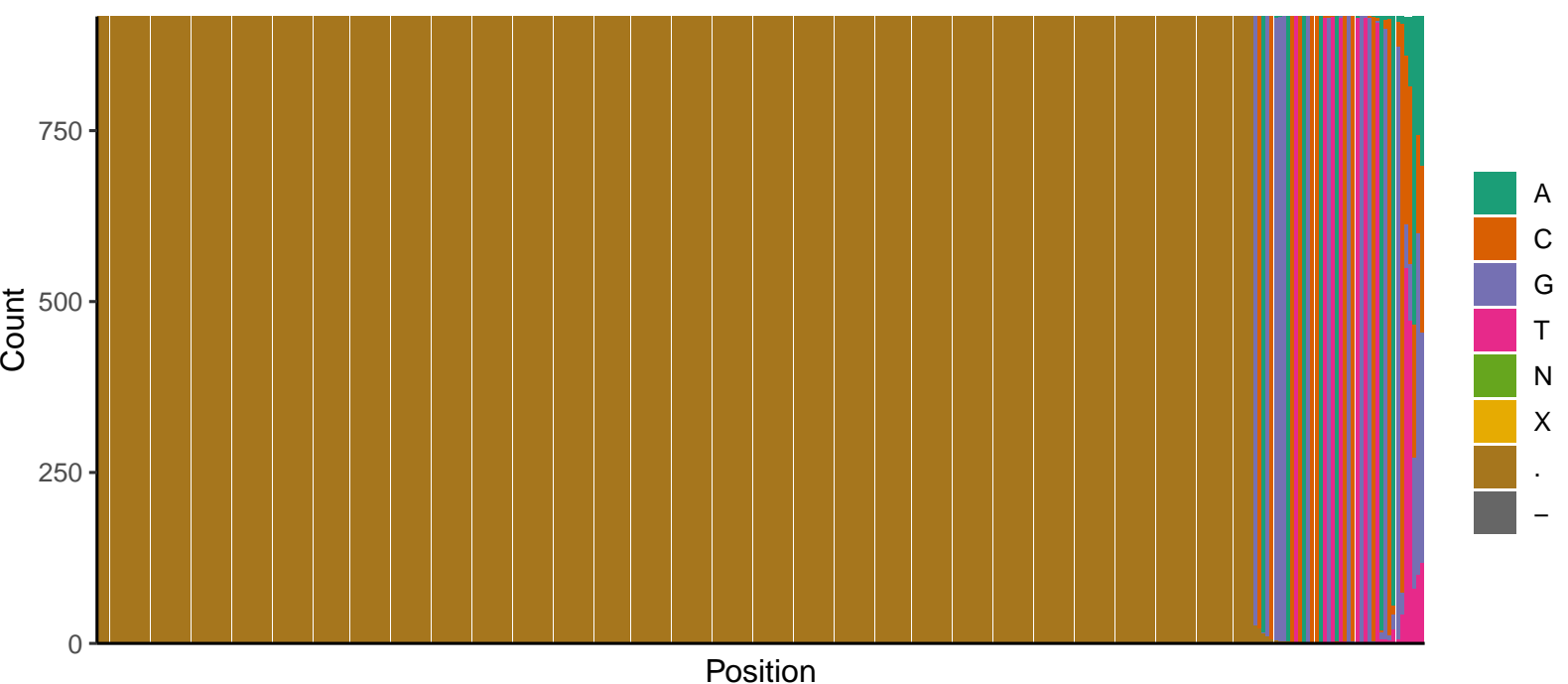
Gene TRBV7-1*ap01_T296C_C314T



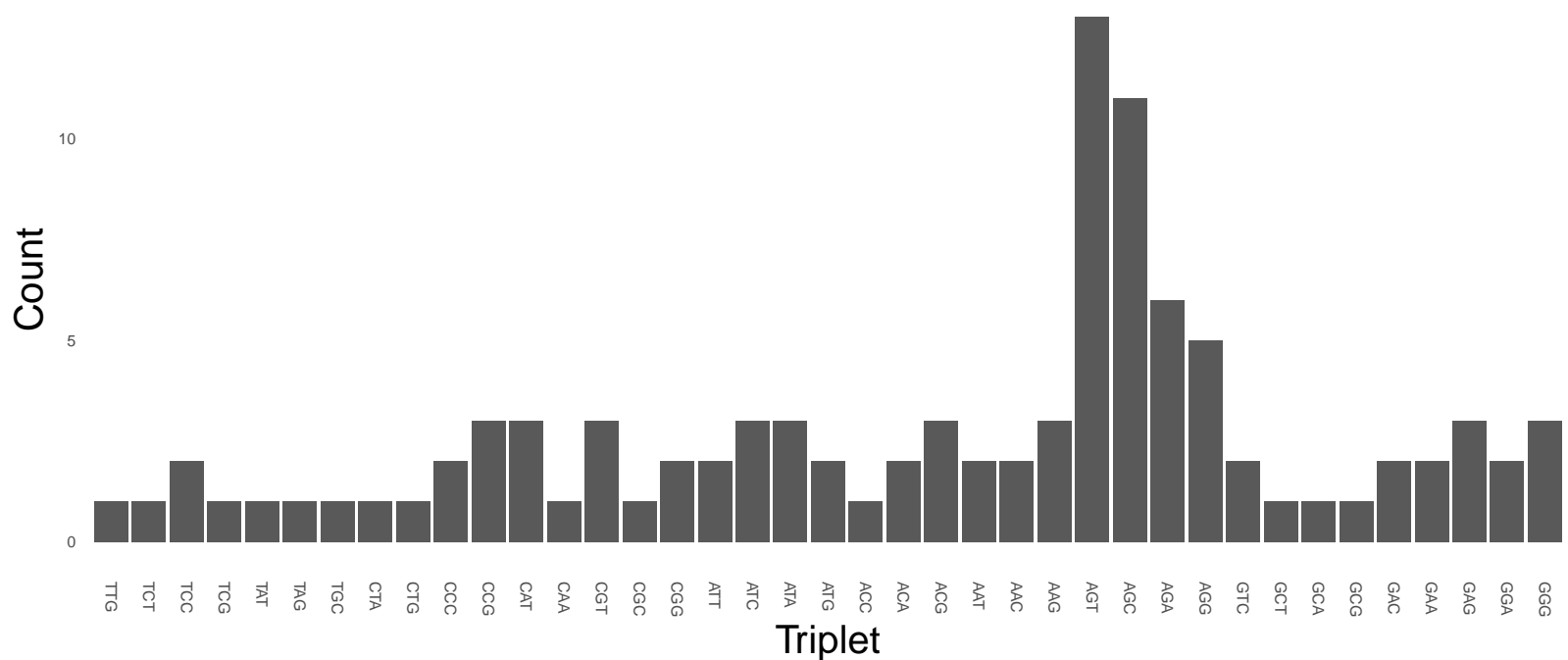
Gene TRBV7-1*ap01_T296C



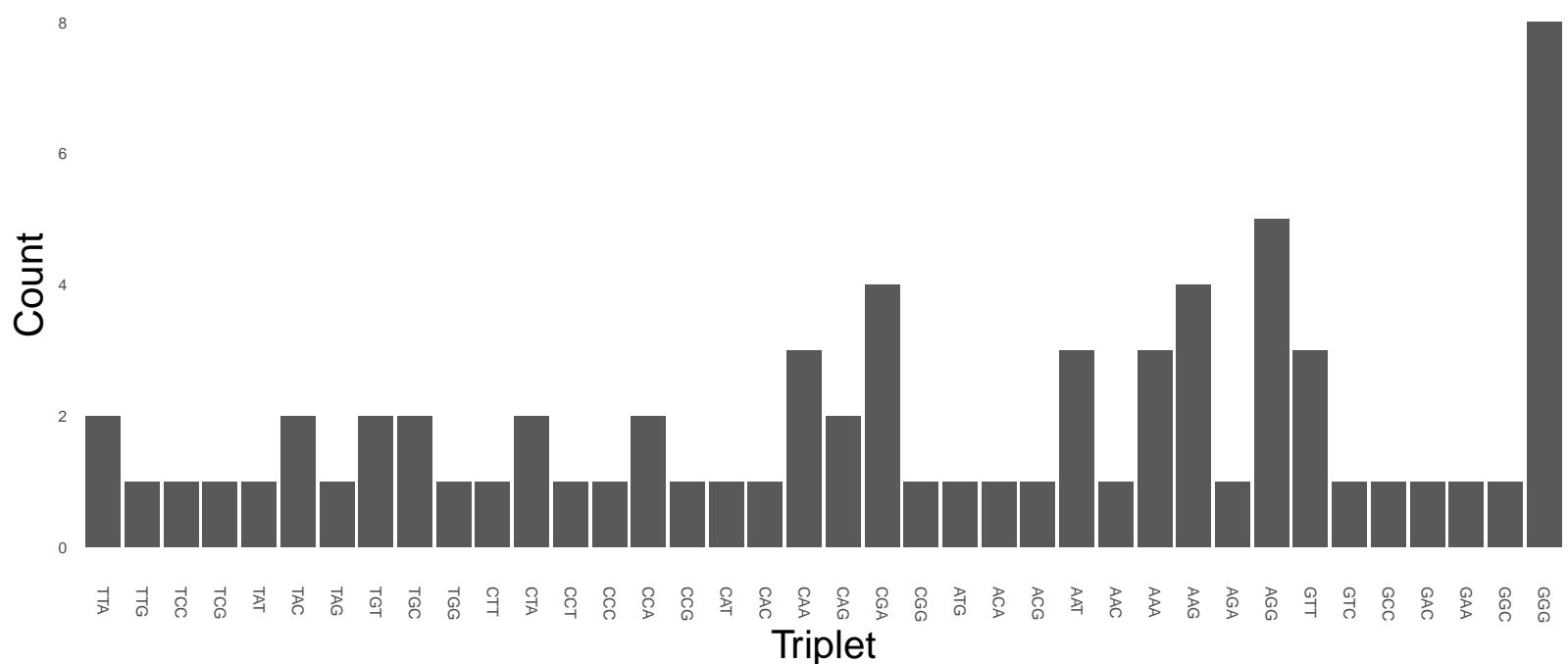
Gene TRBV7-7*ap01_C315T



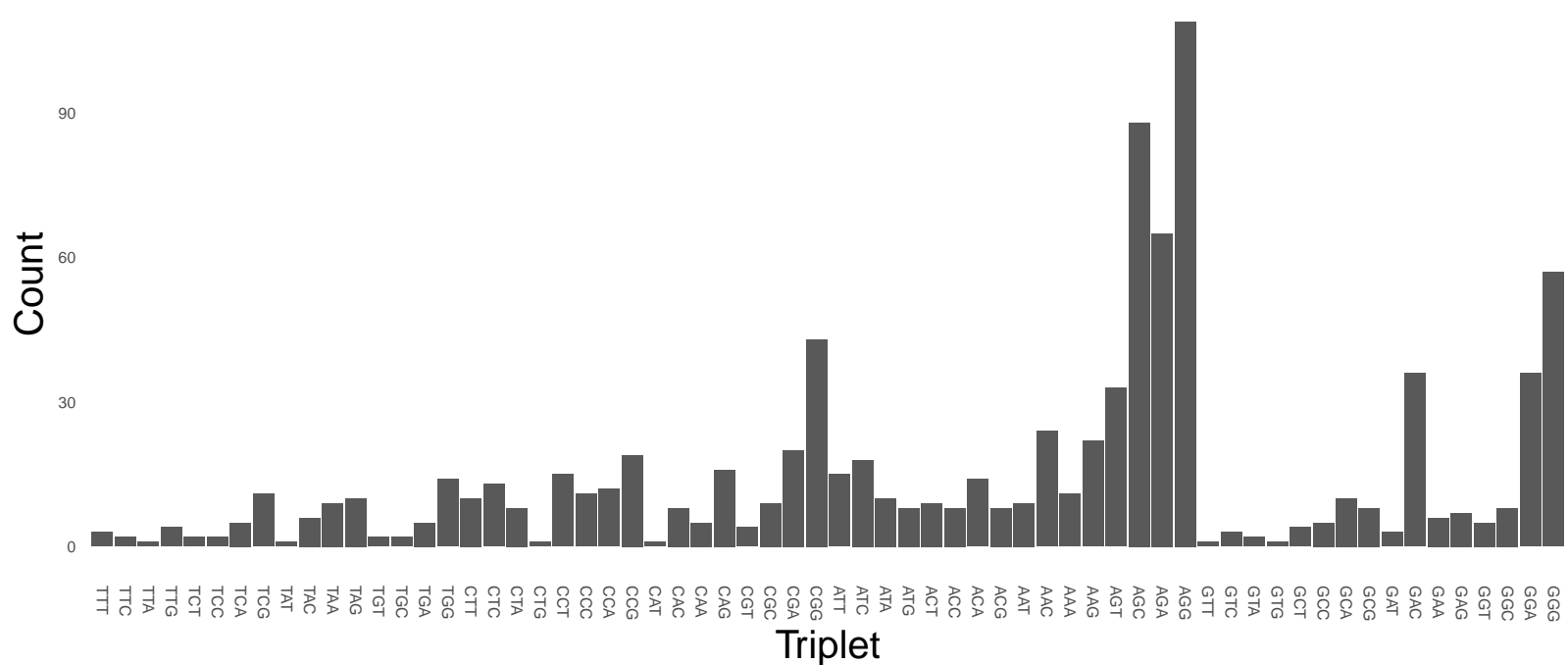
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

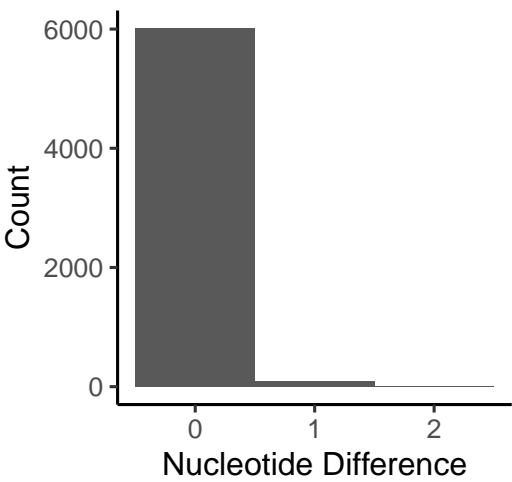


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



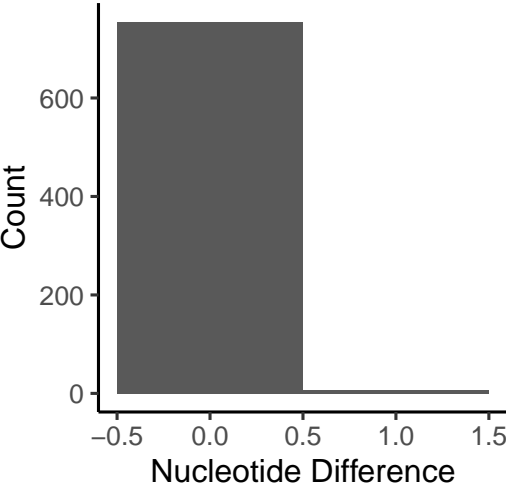
TRBV20-1*ap01

6115 sequences assigned
6011 (98.3%) exact matches, in which:
5858 unique CDR3
13 unique J



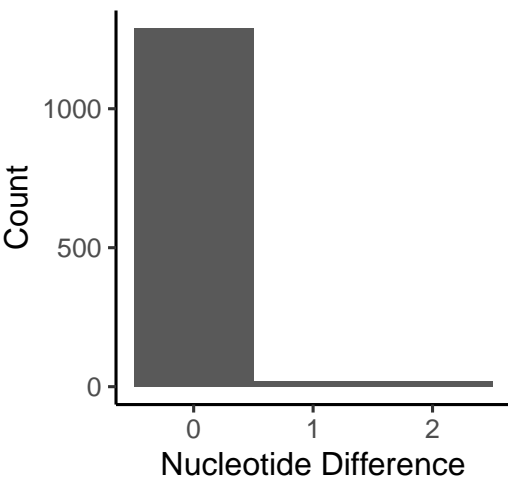
TRBV10-2*ap01

762 sequences assigned
755 (99.1%) exact matches, in which:
729 unique CDR3
13 unique J



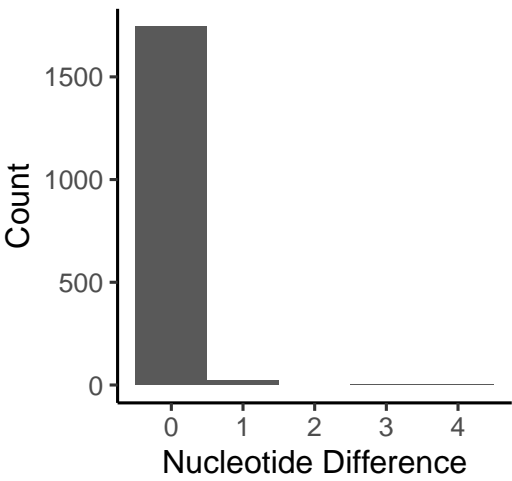
TRBV13*ap01

1328 sequences assigned
1289 (97.1%) exact matches, in which:
1256 unique CDR3
13 unique J



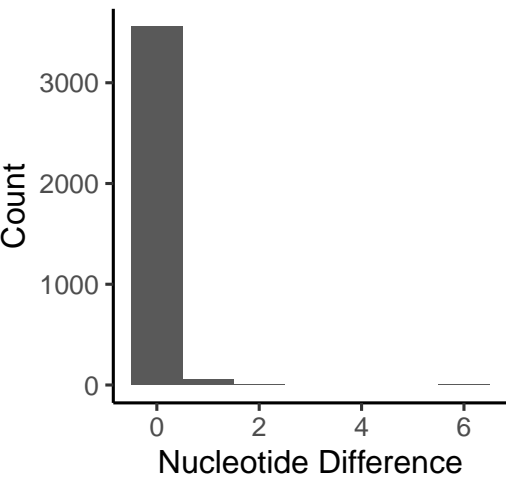
TRBV10-1*ap01

1769 sequences assigned
1744 (98.6%) exact matches, in which:
1693 unique CDR3
13 unique J



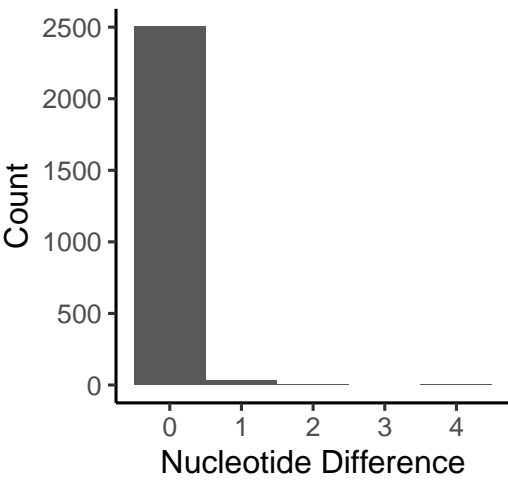
TRBV10-3*ap01

3617 sequences assigned
3556 (98.3%) exact matches, in which:
3446 unique CDR3
13 unique J



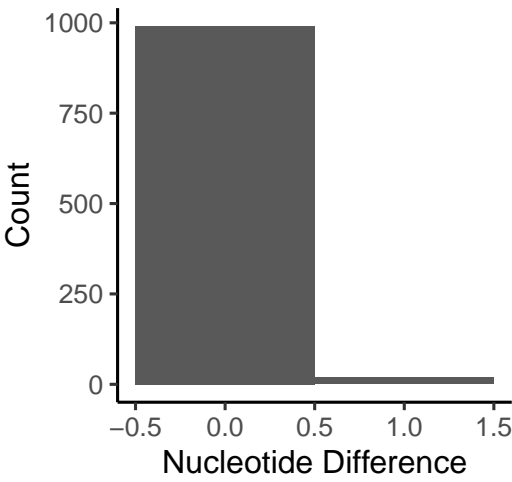
TRBV14*ap01

2538 sequences assigned
2503 (98.6%) exact matches, in which:
2427 unique CDR3
13 unique J



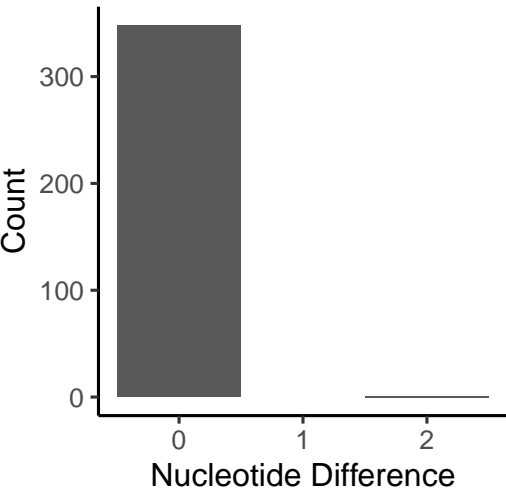
TRBV20-1*ap02

1010 sequences assigned
991 (98.1%) exact matches, in which:
962 unique CDR3
13 unique J



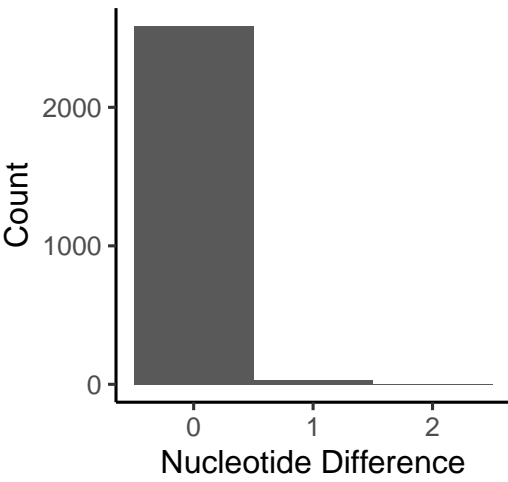
TRBV1*ap01

349 sequences assigned
348 (99.7%) exact matches, in which:
343 unique CDR3
13 unique J



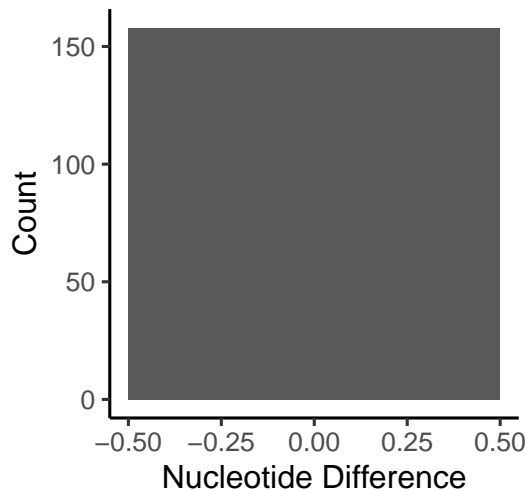
TRBV15*ap02

2624 sequences assigned
2587 (98.6%) exact matches, in which:
2514 unique CDR3
13 unique J



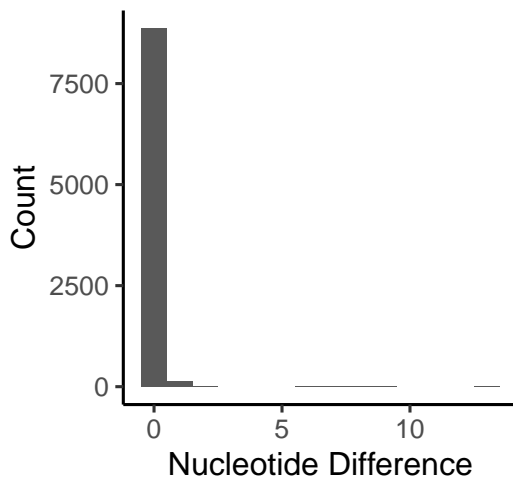
TRBV16*ap01

158 sequences assigned
158 (100%) exact matches, in which:
153 unique CDR3
12 unique J



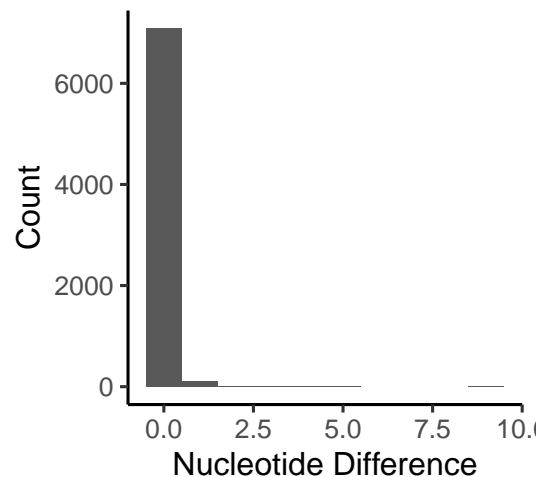
TRBV19*ap01

9008 sequences assigned
8865 (98.4%) exact matches, in which:
8658 unique CDR3
14 unique J



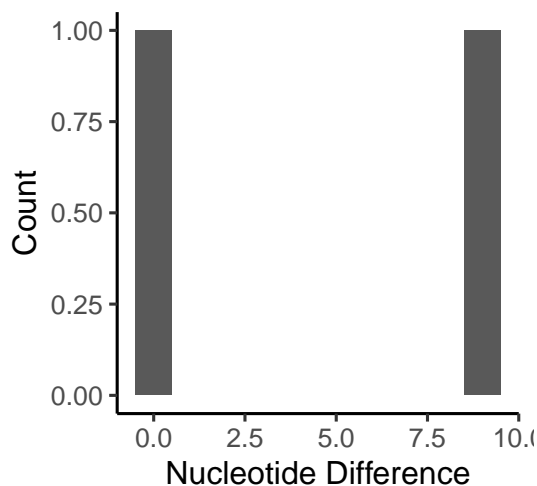
TRBV27*ap01

7203 sequences assigned
7087 (98.4%) exact matches, in which:
6861 unique CDR3
13 unique J



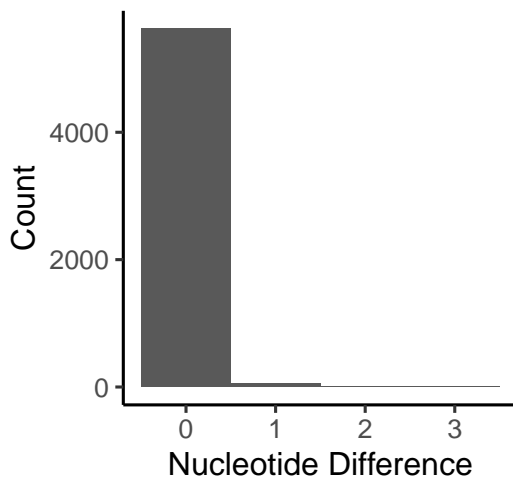
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



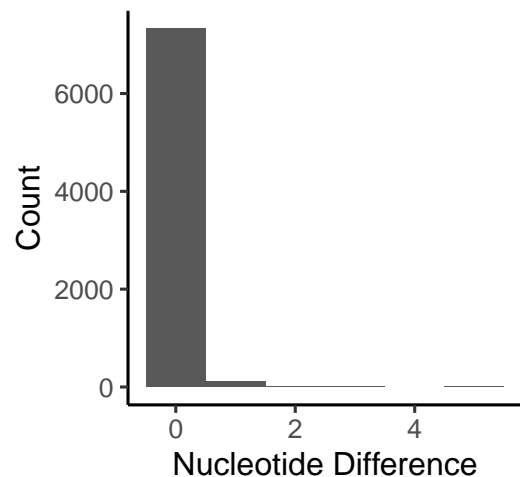
TRBV2*ap01

5689 sequences assigned
5626 (98.9%) exact matches, in which:
5510 unique CDR3
13 unique J



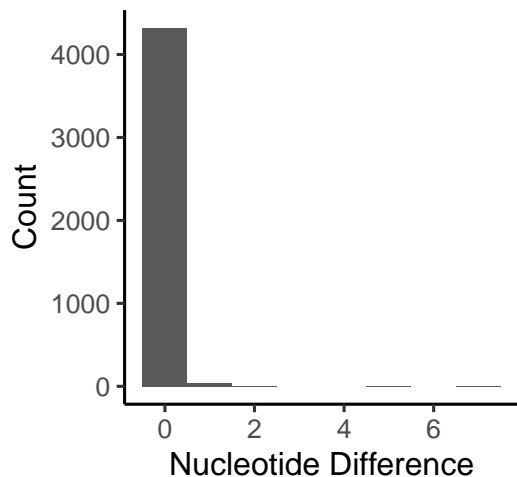
TRBV28*ap01

7437 sequences assigned
7325 (98.5%) exact matches, in which:
7074 unique CDR3
13 unique J



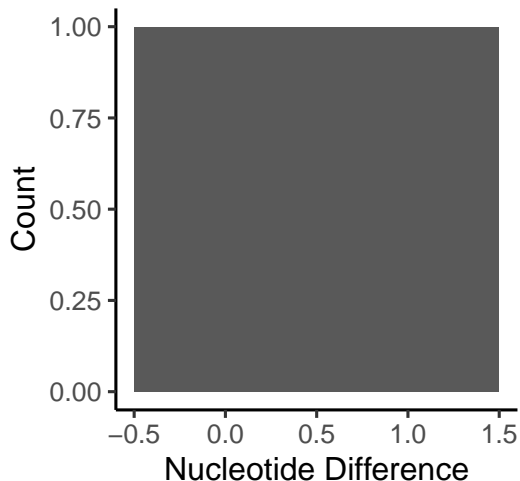
TRBV18*ap01

4365 sequences assigned
4319 (98.9%) exact matches, in which:
4212 unique CDR3
13 unique J



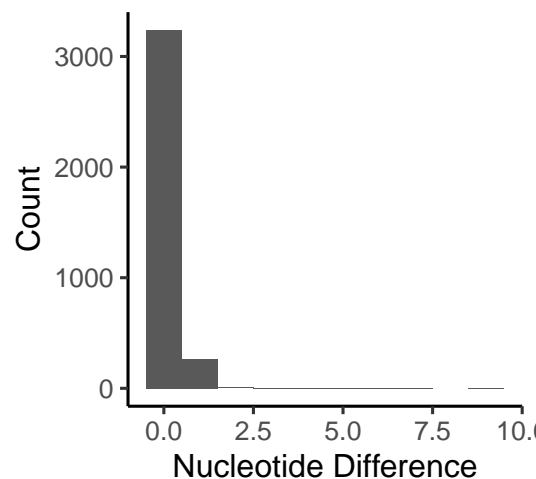
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



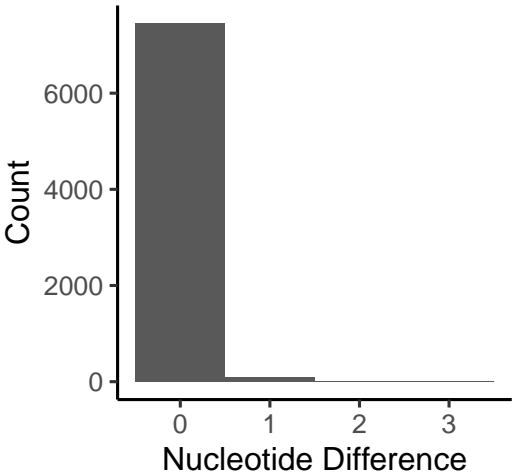
TRBV30*ap01

3524 sequences assigned
3239 (91.9%) exact matches, in which:
3192 unique CDR3
13 unique J



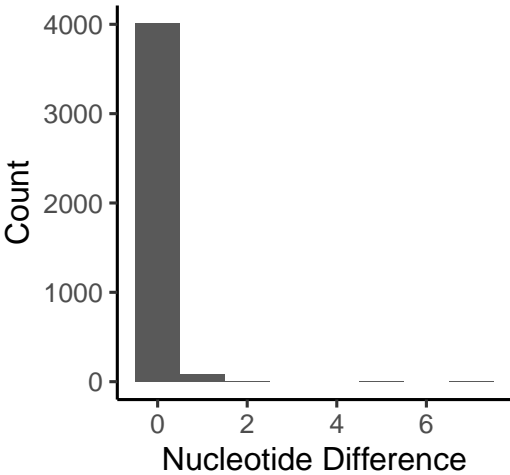
TRBV9*ap01

7554 sequences assigned
7451 (98.6%) exact matches, in which:
7231 unique CDR3
13 unique J



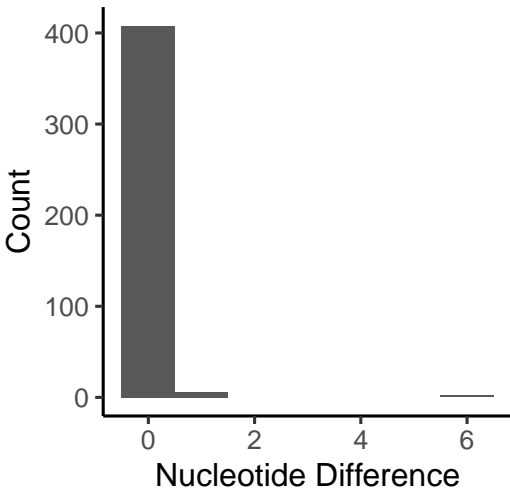
TRBV11-2*ap01

4095 sequences assigned
4010 (97.9%) exact matches, in which:
3896 unique CDR3
13 unique J



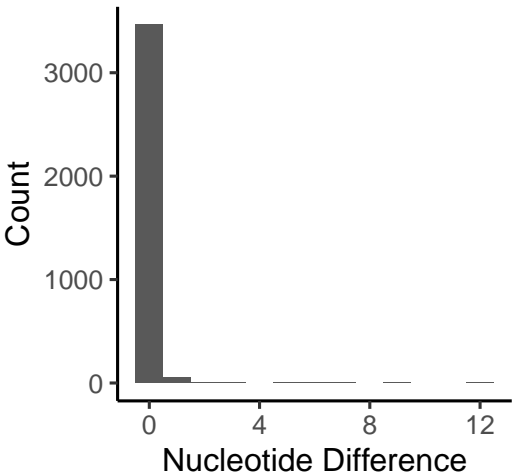
TRBV12-2*ap01

416 sequences assigned
408 (98.1%) exact matches, in which:
397 unique CDR3
13 unique J



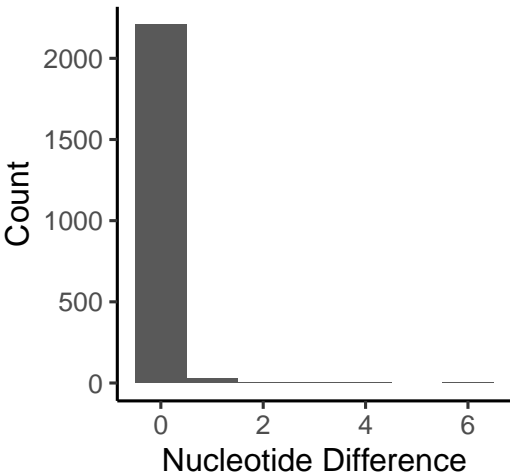
TRBV21-1*ap01

3534 sequences assigned
3464 (98%) exact matches, in which:
3367 unique CDR3
13 unique J



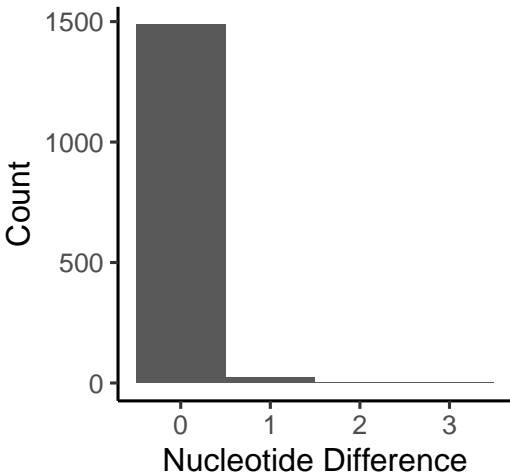
TRBV11-3*ap01

2241 sequences assigned
2207 (98.5%) exact matches, in which:
2154 unique CDR3
13 unique J



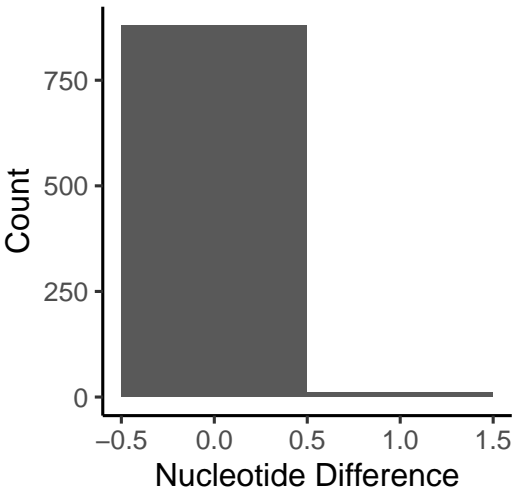
TRBV12-5*ap01

1512 sequences assigned
1487 (98.3%) exact matches, in which:
1449 unique CDR3
13 unique J



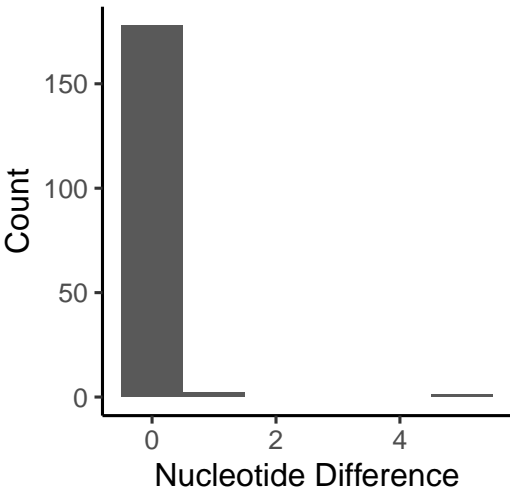
TRBV11-1*ap01

891 sequences assigned
880 (98.8%) exact matches, in which:
857 unique CDR3
13 unique J



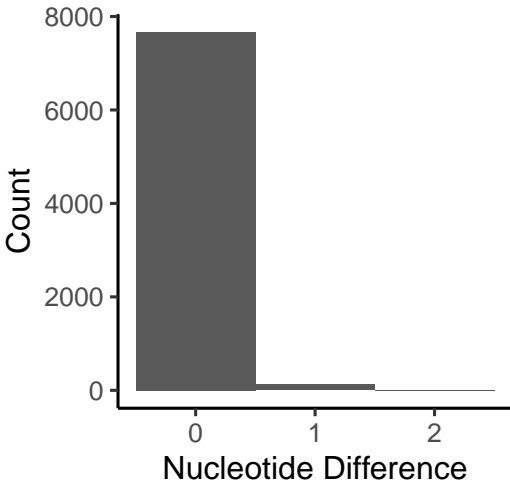
TRBV12-1*ap01

181 sequences assigned
178 (98.3%) exact matches, in which:
173 unique CDR3
13 unique J



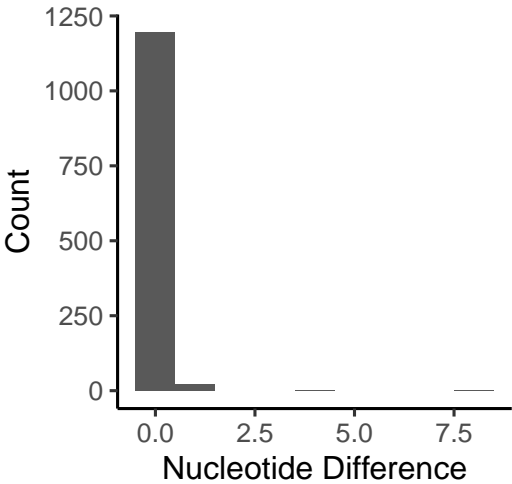
TRBV12-34*ap01

7797 sequences assigned
7668 (98.3%) exact matches, in which:
7434 unique CDR3
13 unique J



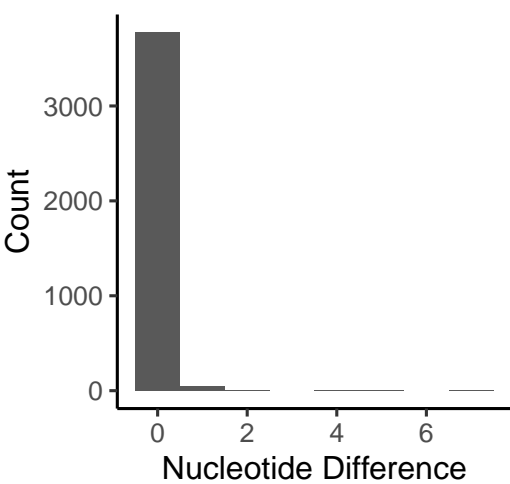
TRBV23-1*ap01

1219 sequences assigned
1195 (98%) exact matches, in which:
1160 unique CDR3
13 unique J



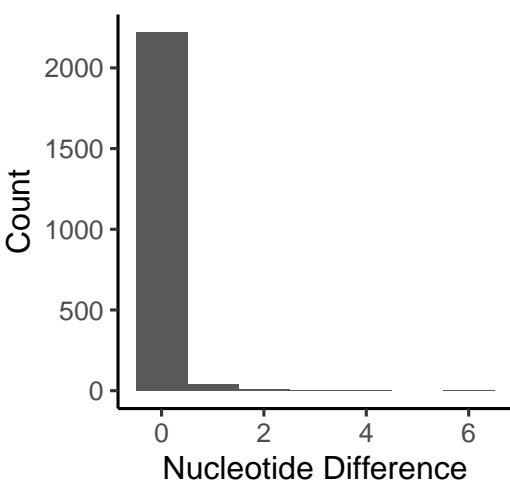
TRBV24-1*ap01

3828 sequences assigned
3775 (98.6%) exact matches, in which:
3701 unique CDR3
13 unique J



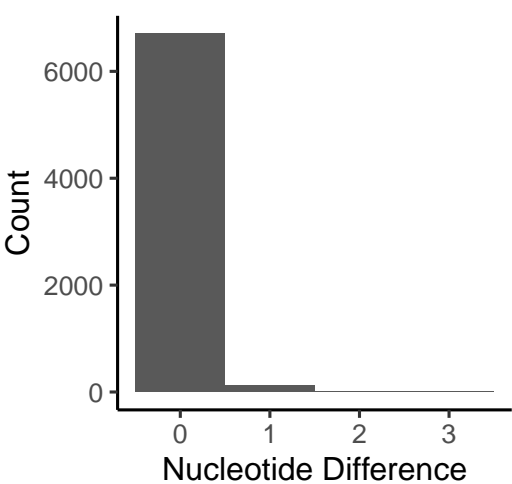
TRBV25-1*ap01

2271 sequences assigned
2220 (97.8%) exact matches, in which:
2172 unique CDR3
13 unique J



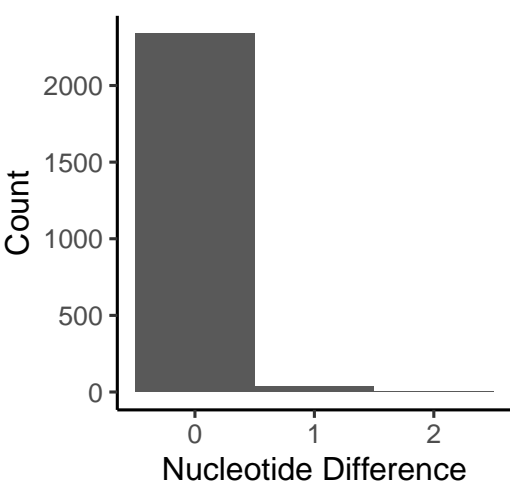
TRBV3-12*ap01

6834 sequences assigned
6704 (98.1%) exact matches, in which:
6520 unique CDR3
13 unique J



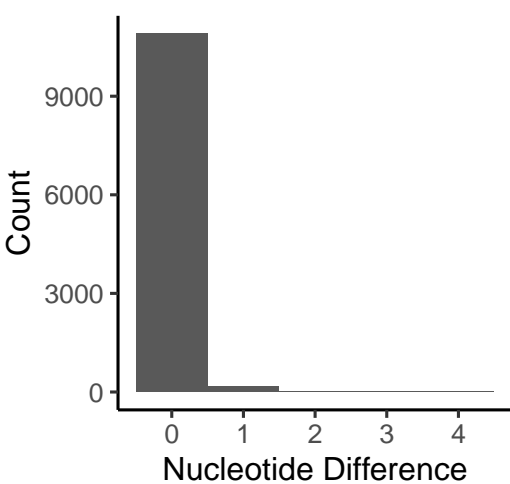
TRBV4-2*ap01

2377 sequences assigned
2338 (98.4%) exact matches, in which:
2284 unique CDR3
13 unique J



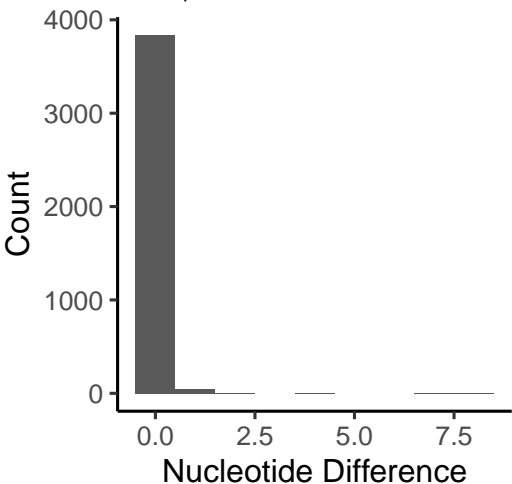
TRBV5-1*ap01

11074 sequences assigned
10901 (98.4%) exact matches, in which:
10551 unique CDR3
13 unique J



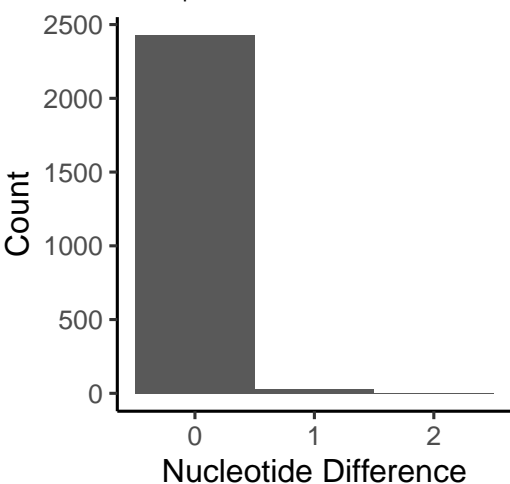
TRBV4-1*ap01

3886 sequences assigned
3837 (98.7%) exact matches, in which:
3733 unique CDR3
13 unique J



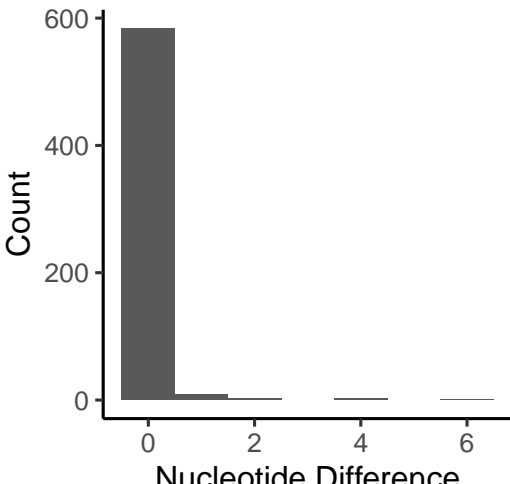
TRBV4-3*ap01

2458 sequences assigned
2429 (98.8%) exact matches, in which:
2376 unique CDR3
13 unique J



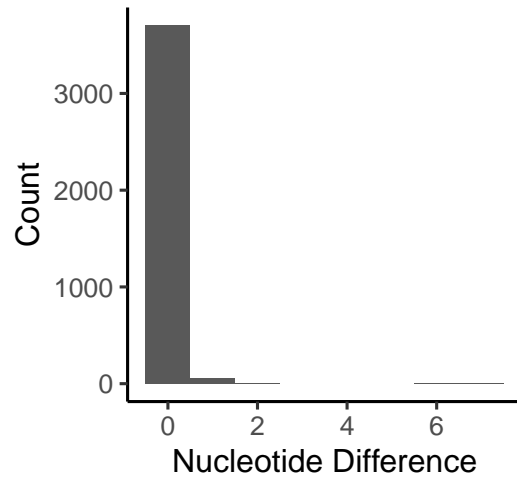
TRBV5-3*ap01

597 sequences assigned
584 (97.8%) exact matches, in which:
569 unique CDR3
13 unique J



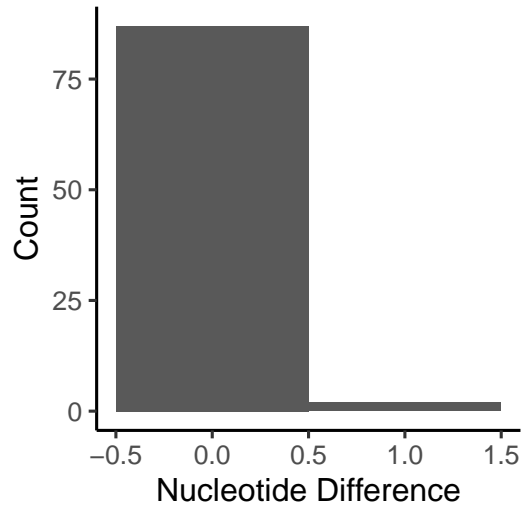
TRBV5-4*ap01

3765 sequences assigned
3703 (98.4%) exact matches, in which:
3586 unique CDR3
13 unique J



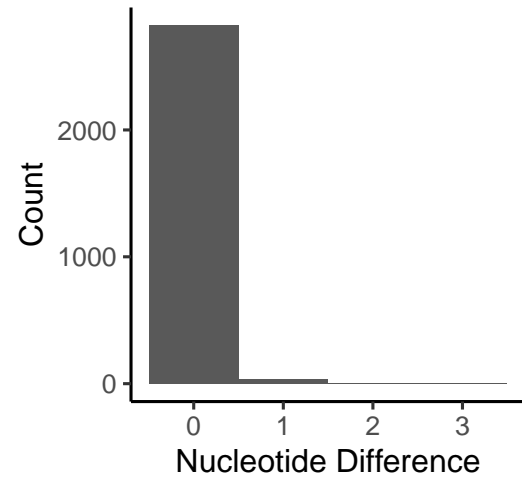
TRBV5-7*ap01

89 sequences assigned
87 (97.8%) exact matches, in which:
87 unique CDR3
12 unique J



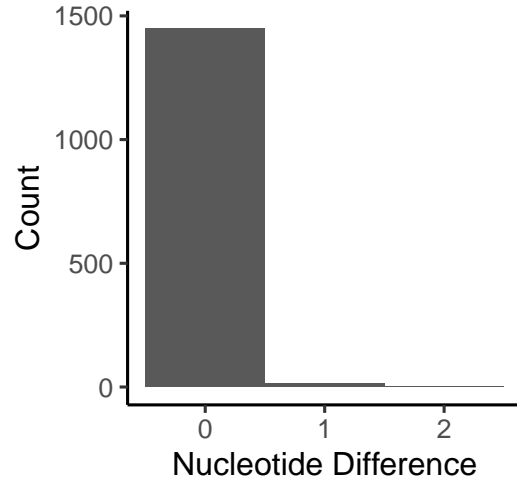
TRBV6-4*ap01

2866 sequences assigned
2824 (98.5%) exact matches, in which:
2771 unique CDR3
13 unique J



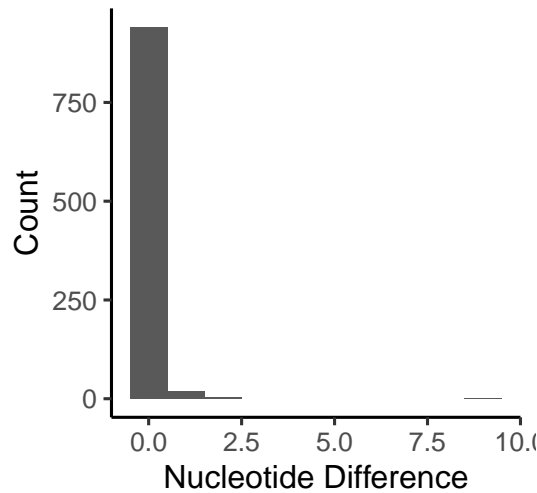
TRBV5-5*ap01

1465 sequences assigned
1448 (98.8%) exact matches, in which:
1427 unique CDR3
13 unique J



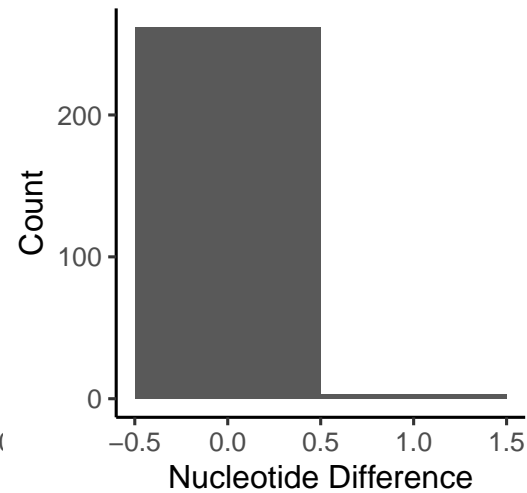
TRBV5-8*ap01

965 sequences assigned
941 (97.5%) exact matches, in which:
924 unique CDR3
13 unique J



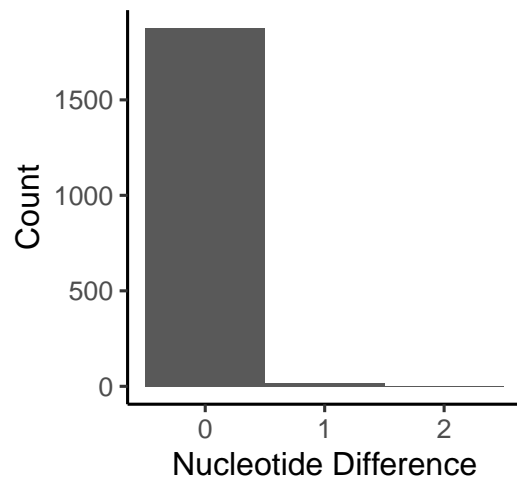
TRBV6-7*ap01

265 sequences assigned
262 (98.9%) exact matches, in which:
258 unique CDR3
13 unique J



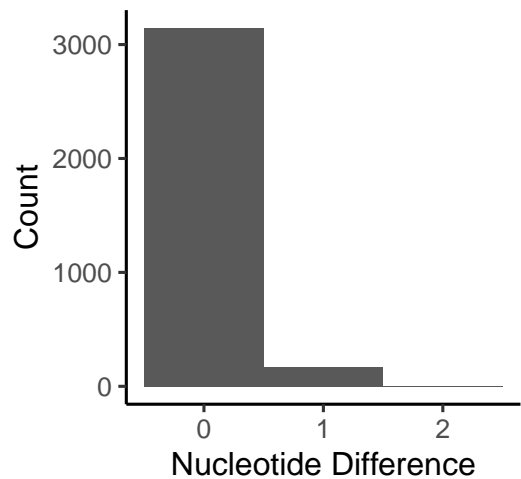
TRBV5-6*ap01

1896 sequences assigned
1876 (98.9%) exact matches, in which:
1826 unique CDR3
13 unique J



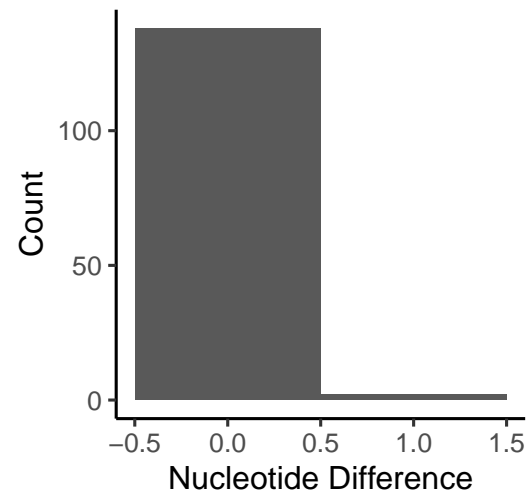
TRBV6-1*ap01

3320 sequences assigned
3145 (94.7%) exact matches, in which:
3037 unique CDR3
13 unique J



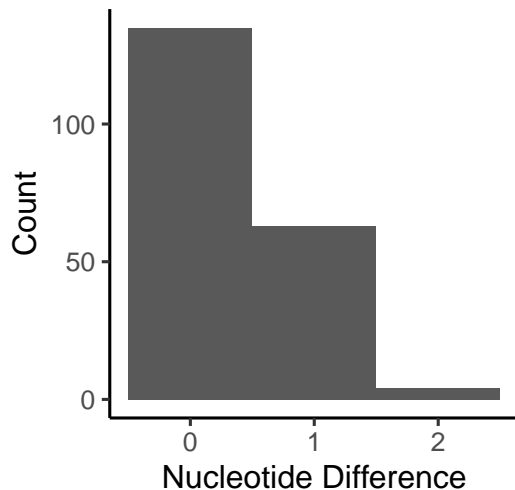
TRBV6-8*ap01

140 sequences assigned
138 (98.6%) exact matches, in which:
132 unique CDR3
13 unique J



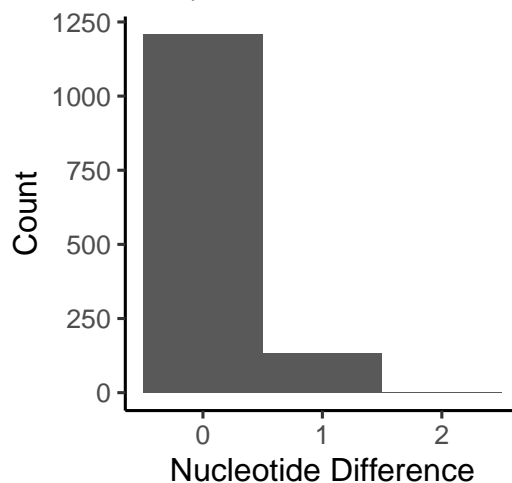
TRBV6-9*ap01

202 sequences assigned
135 (66.8%) exact matches, in which:
131 unique CDR3
13 unique J



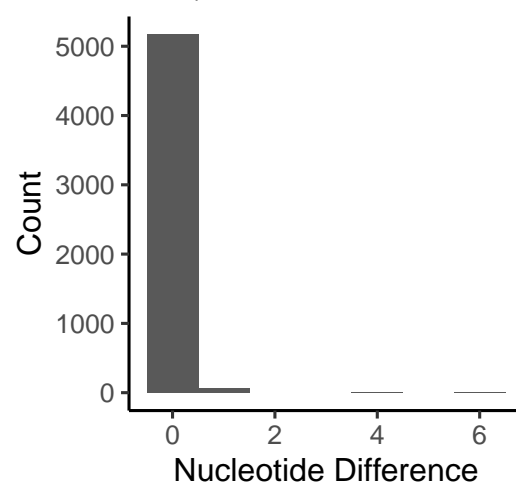
TRBV6-56*ap02

1345 sequences assigned
1208 (89.8%) exact matches, in which:
1178 unique CDR3
13 unique J



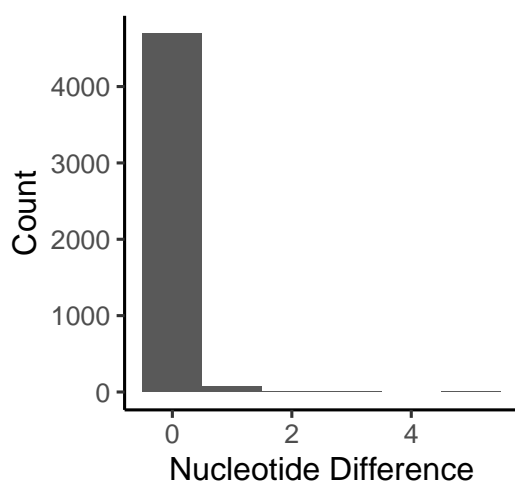
TRBV7-2*ap01

5239 sequences assigned
5171 (98.7%) exact matches, in which:
5040 unique CDR3
14 unique J



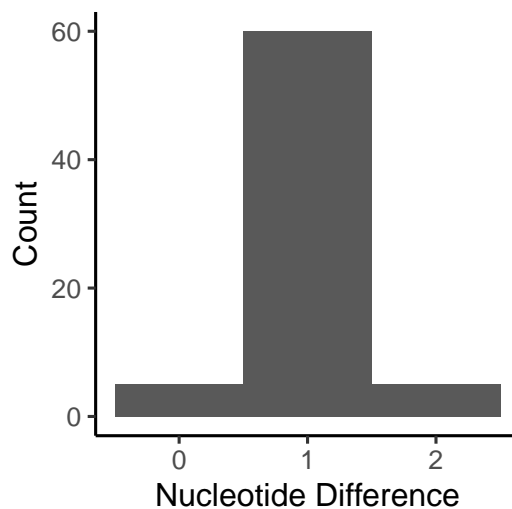
TRBV6-23*ap01

4772 sequences assigned
4692 (98.3%) exact matches, in which:
4585 unique CDR3
13 unique J



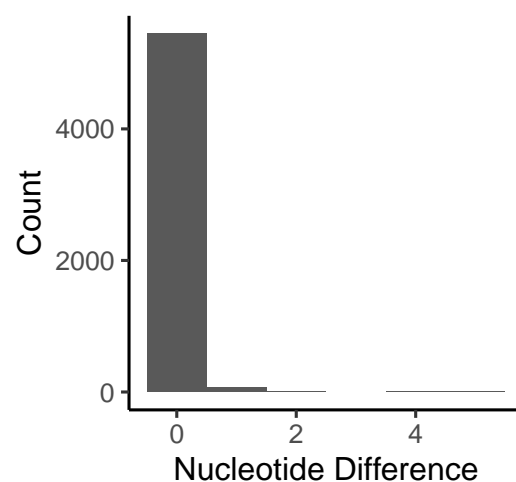
TRBV7-1*ap01_T296C

70 sequences assigned
5 (7.1%) exact matches, in which:
5 unique CDR3
4 unique J



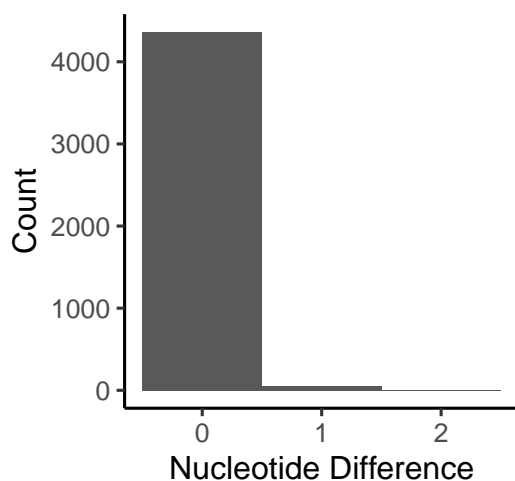
TRBV7-3*ap01

5521 sequences assigned
5447 (98.7%) exact matches, in which:
5305 unique CDR3
13 unique J



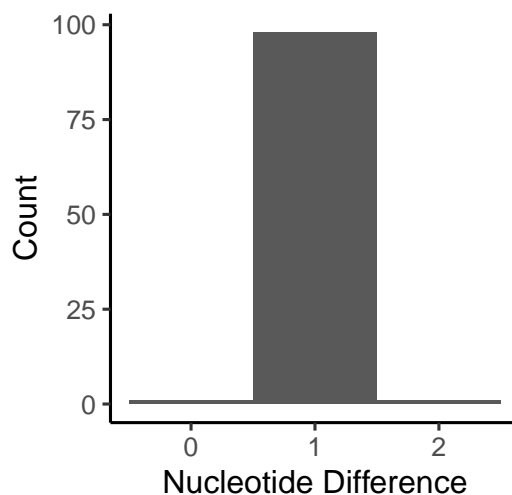
TRBV6-56*ap01

4418 sequences assigned
4362 (98.7%) exact matches, in which:
4258 unique CDR3
14 unique J



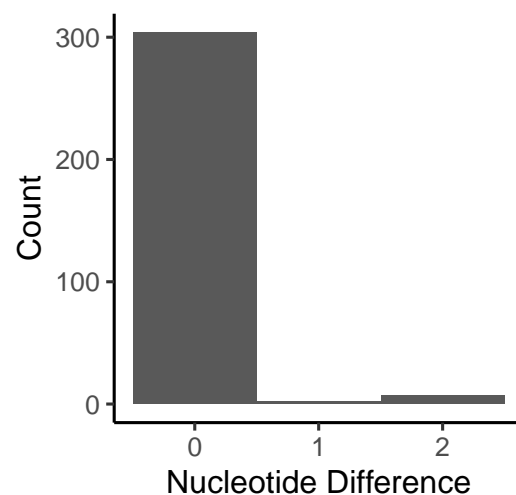
TRBV7-1*ap01_T296C_0

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



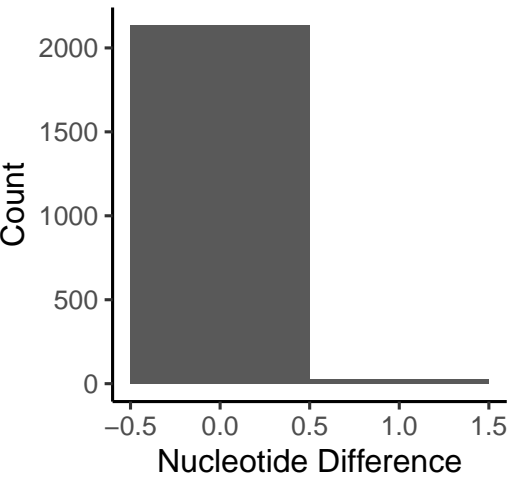
TRBV7-4*ap01

313 sequences assigned
304 (97.1%) exact matches, in which:
291 unique CDR3
13 unique J



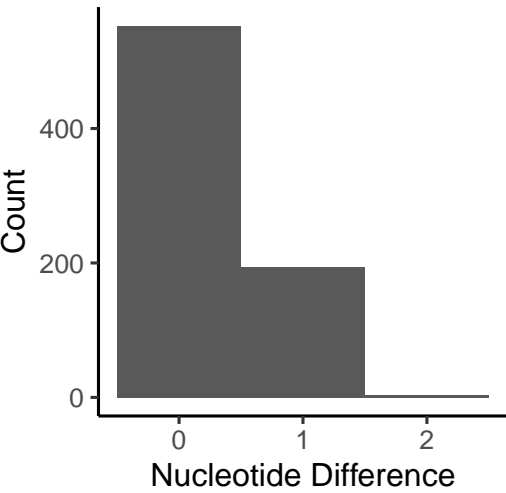
TRBV7-6*ap01

2159 sequences assigned
2134 (98.8%) exact matches, in which:
2075 unique CDR3
13 unique J



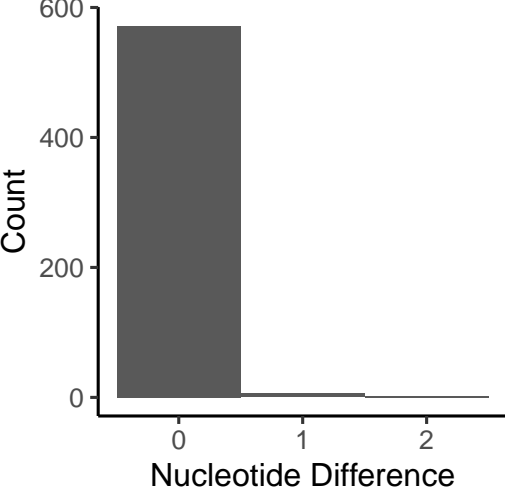
TRBV7-8*ap03

751 sequences assigned
553 (73.6%) exact matches, in which:
536 unique CDR3
13 unique J



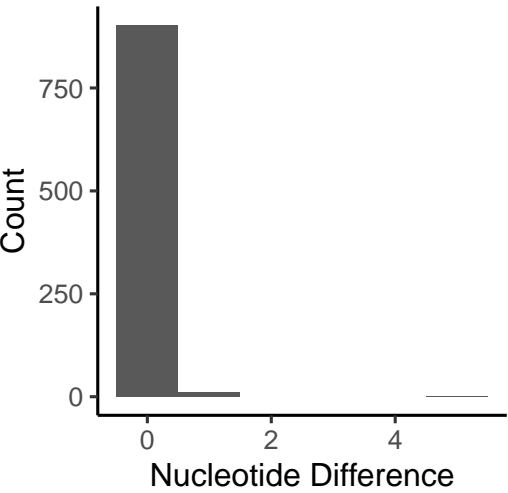
TRBV29-1*ap02

580 sequences assigned
572 (98.6%) exact matches, in which:
552 unique CDR3
13 unique J



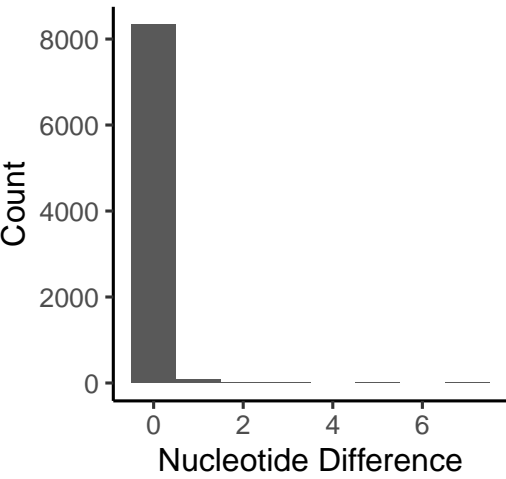
TRBV7-7*ap01_C315T

917 sequences assigned
903 (98.5%) exact matches, in which:
884 unique CDR3
13 unique J



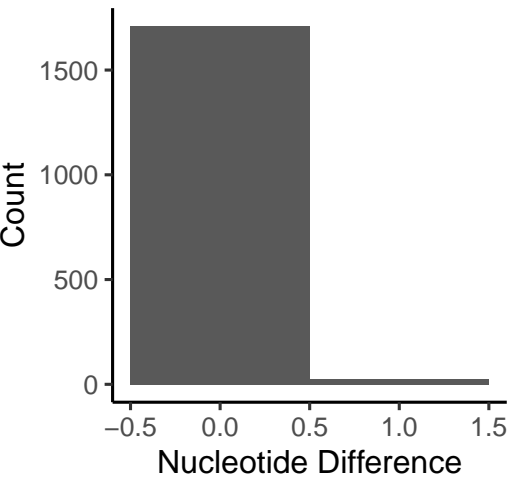
TRBV7-9*ap01

8424 sequences assigned
8333 (98.9%) exact matches, in which:
8112 unique CDR3
13 unique J



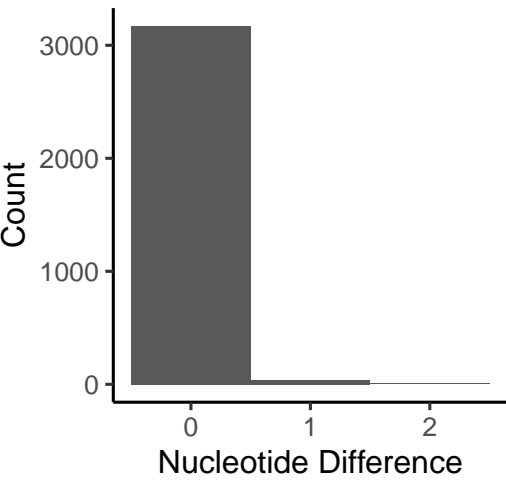
TRBV7-8*ap01

1734 sequences assigned
1710 (98.6%) exact matches, in which:
1669 unique CDR3
13 unique J

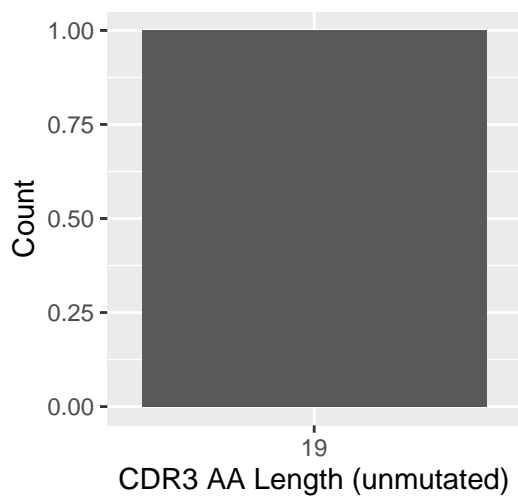


TRBV29-1*ap01

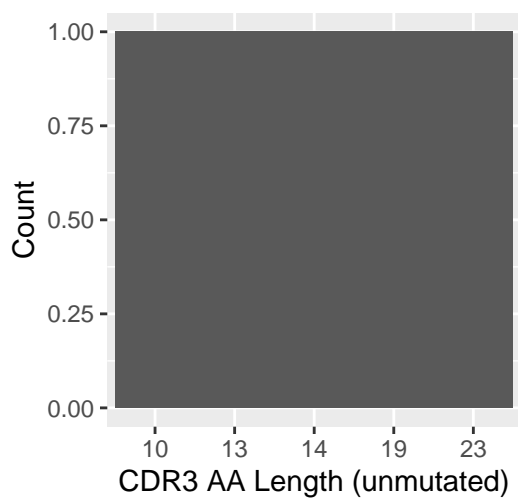
3213 sequences assigned
3170 (98.7%) exact matches, in which:
3097 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

