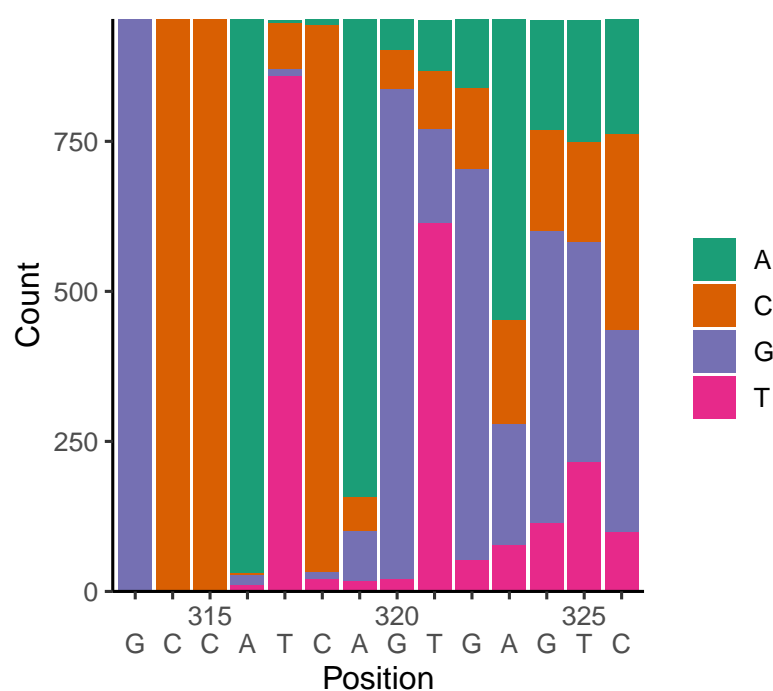
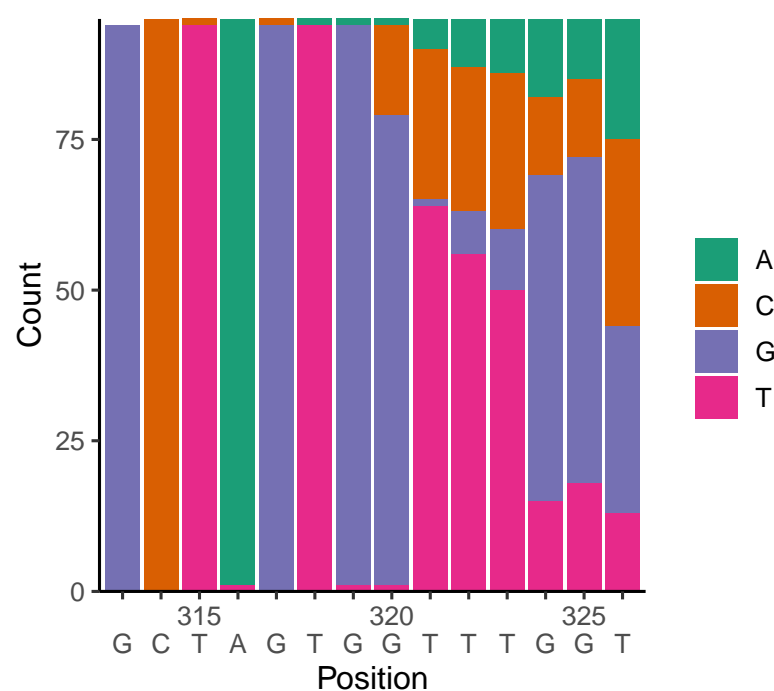


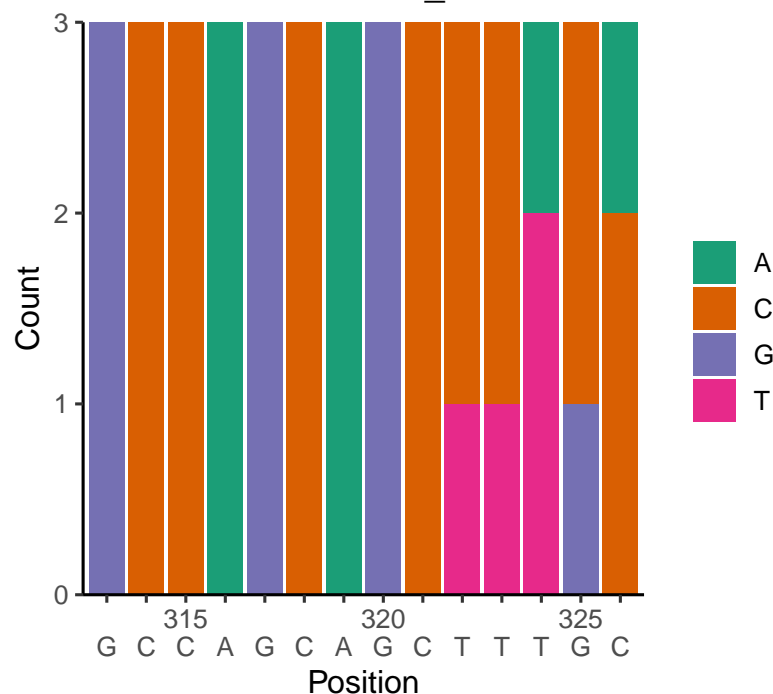
Gene TRBV10-3*03_313GCCATCAGTG/



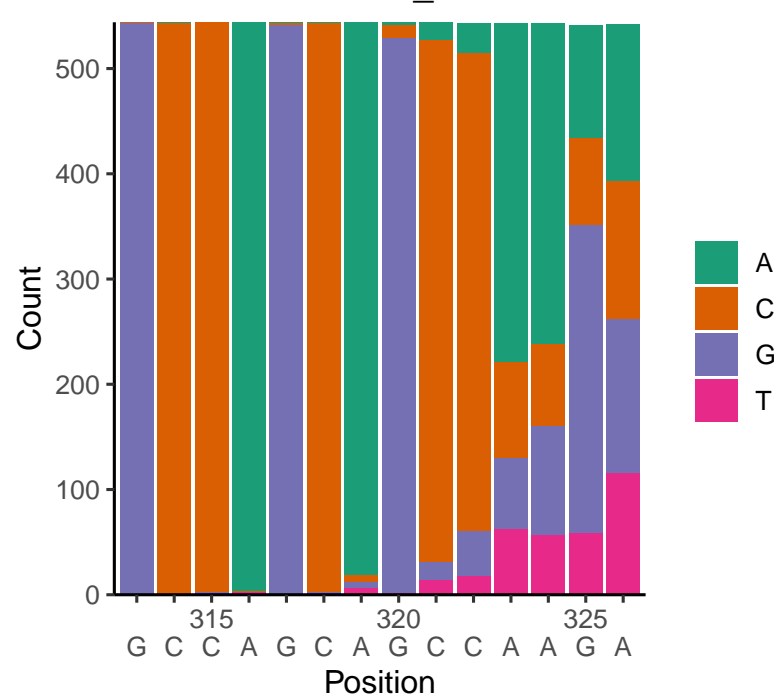
Gene TRBV12-5*01_C28G



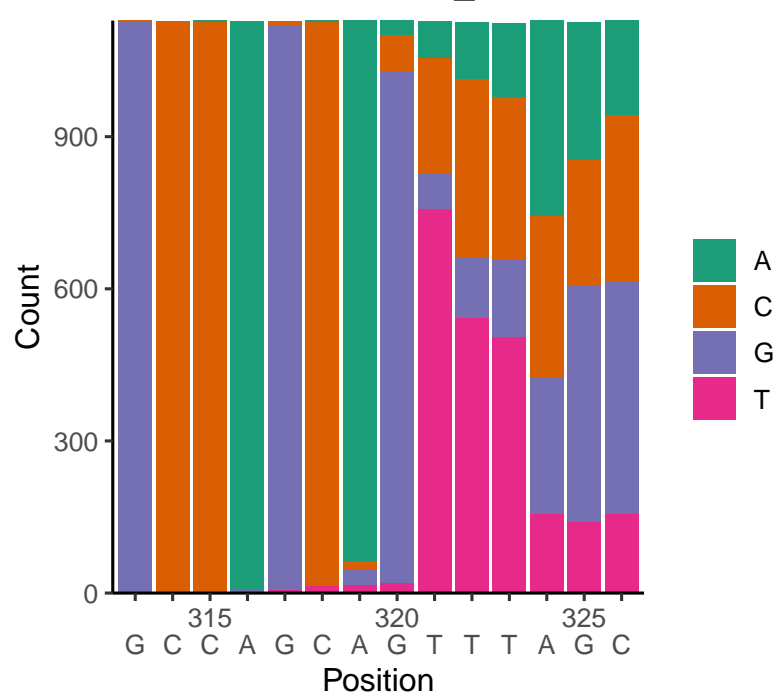
Gene TRBV12-1*01_C165A



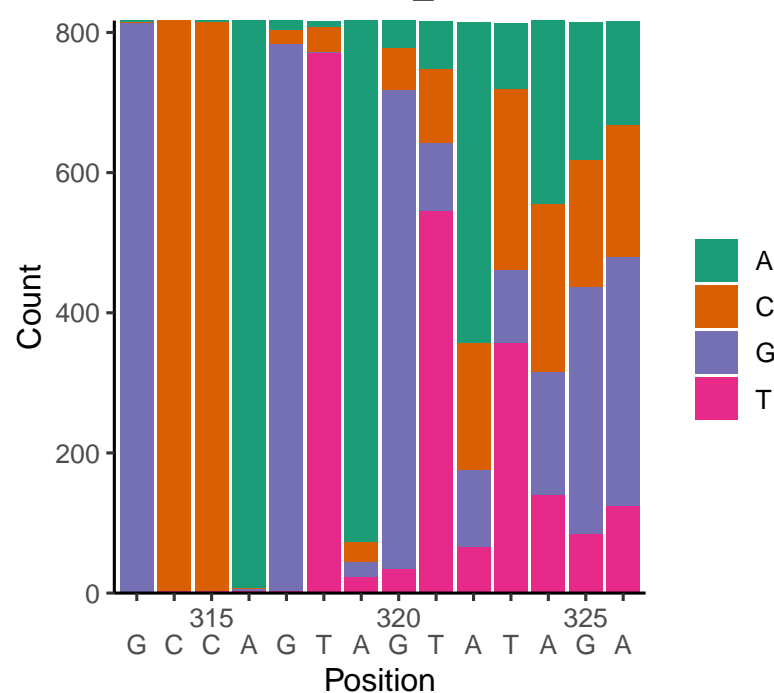
Gene TRBV14*02_322CAAGA326



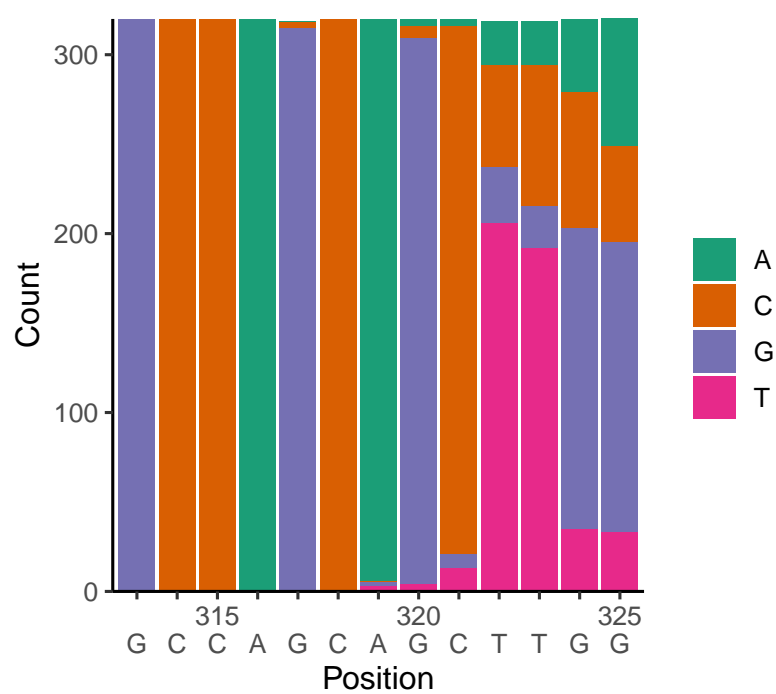
Gene TRBV12-4*01_C87T



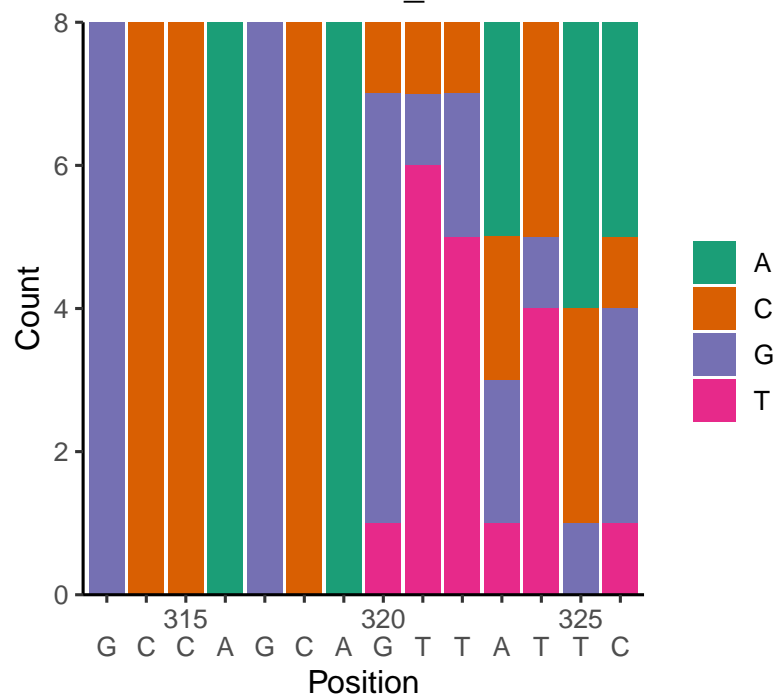
Gene TRBV19*01_A24G



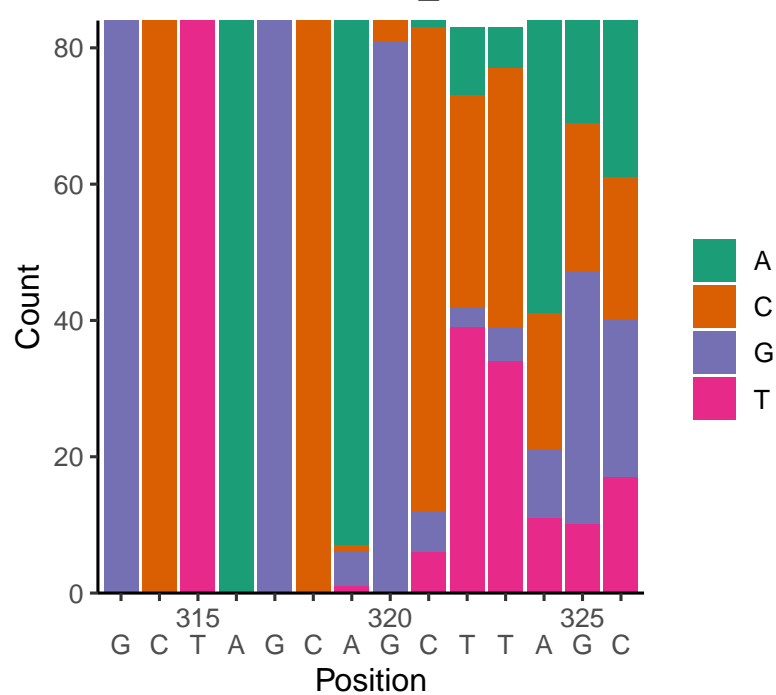
Gene TRBV5-5*02_322TTGG325



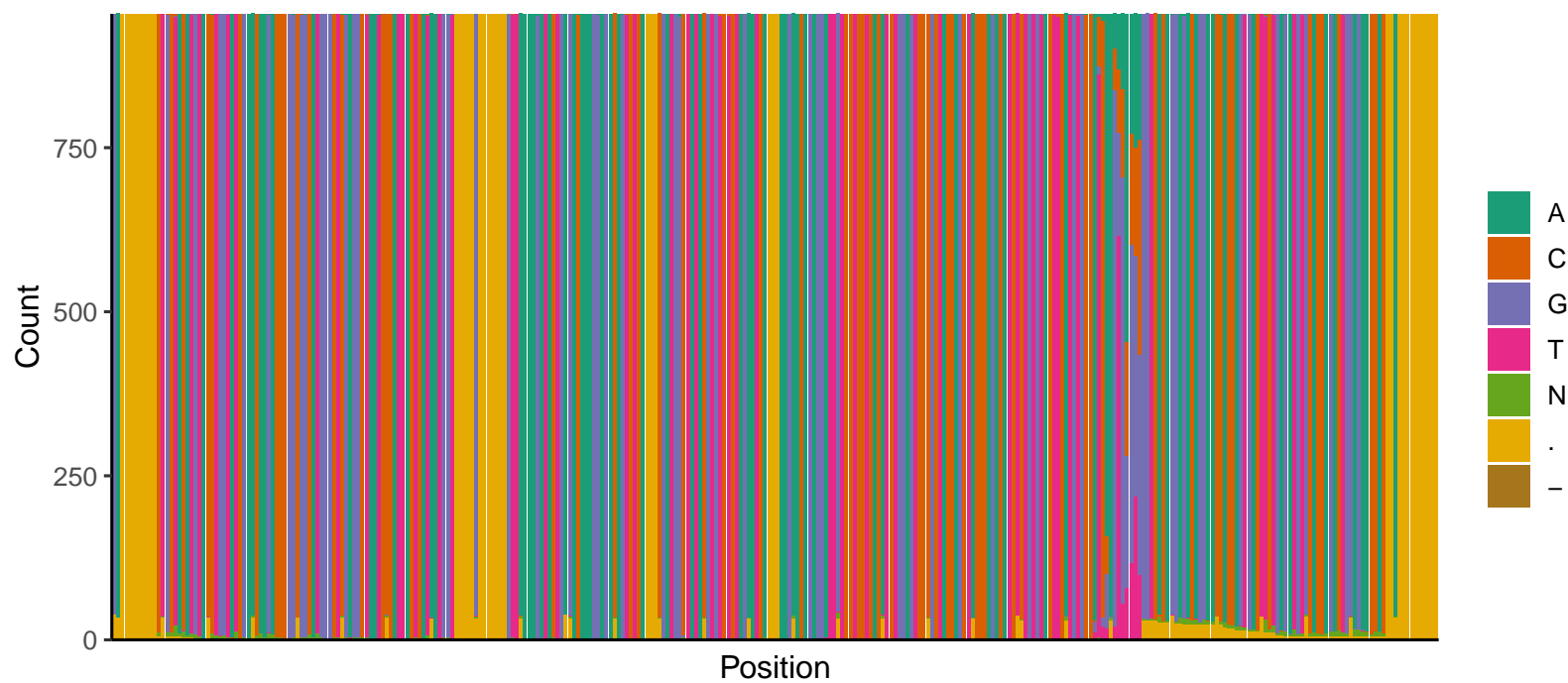
Gene TRBV6-9*01_A303G



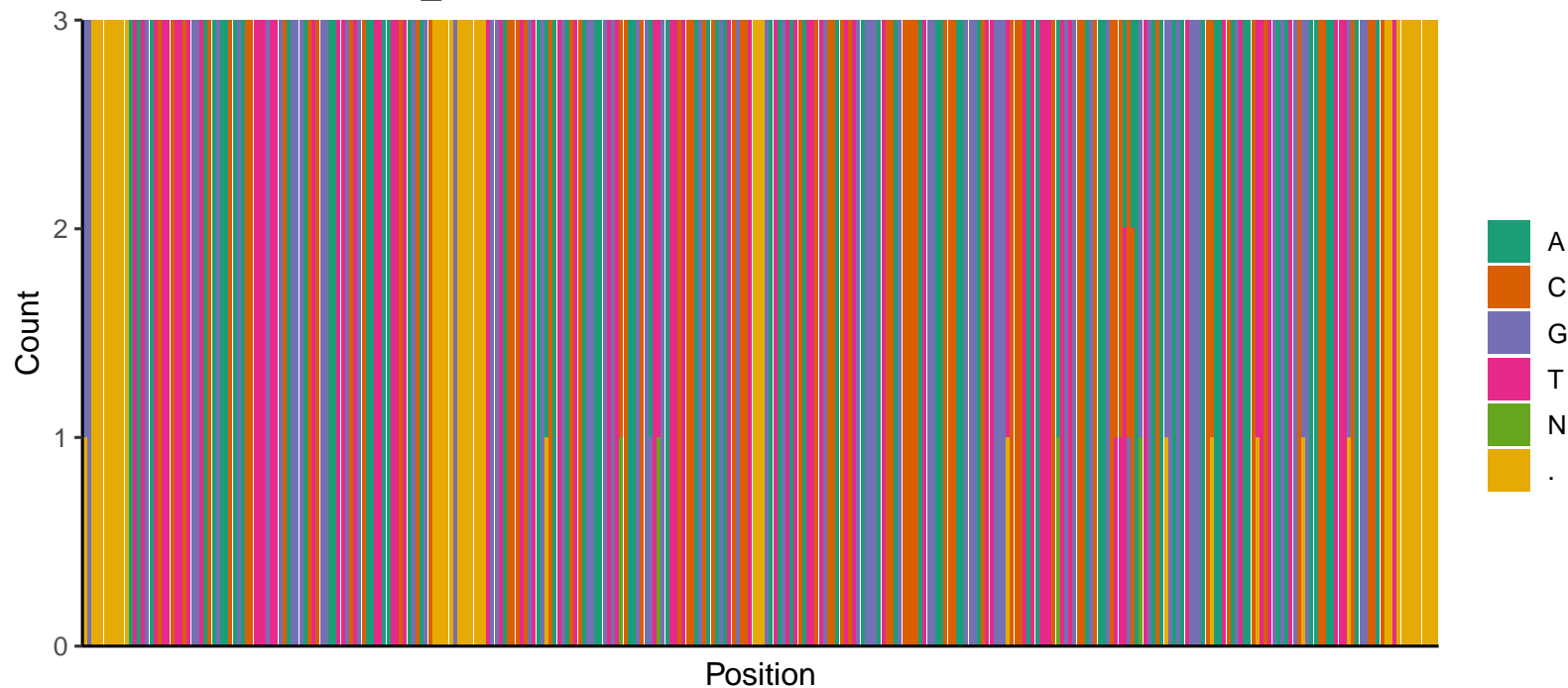
Gene TRBV7-7*01_C315T



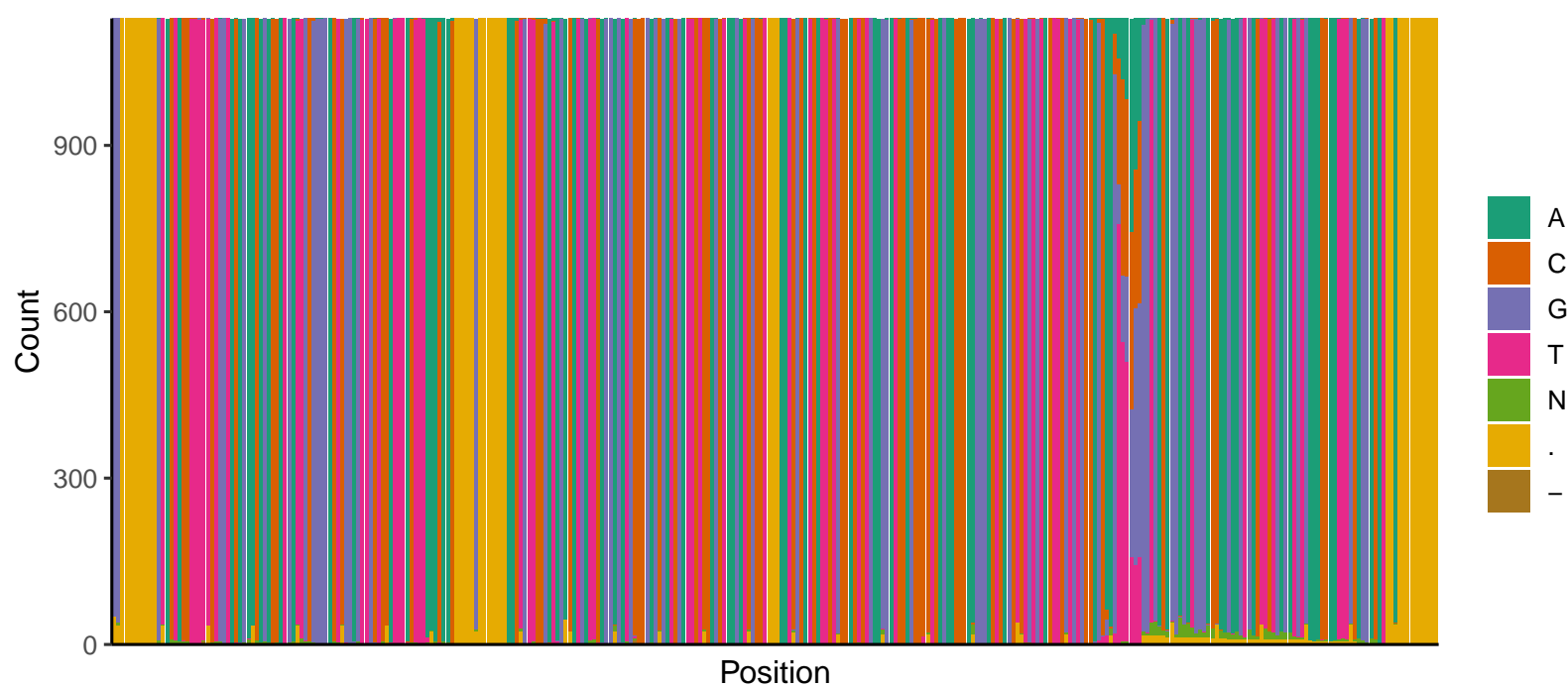
Gene TRBV10-3*03_313GCCATCAGTGAGTC326



Gene TRBV12-1*01_C165A



Gene TRBV12-4*01_C87T



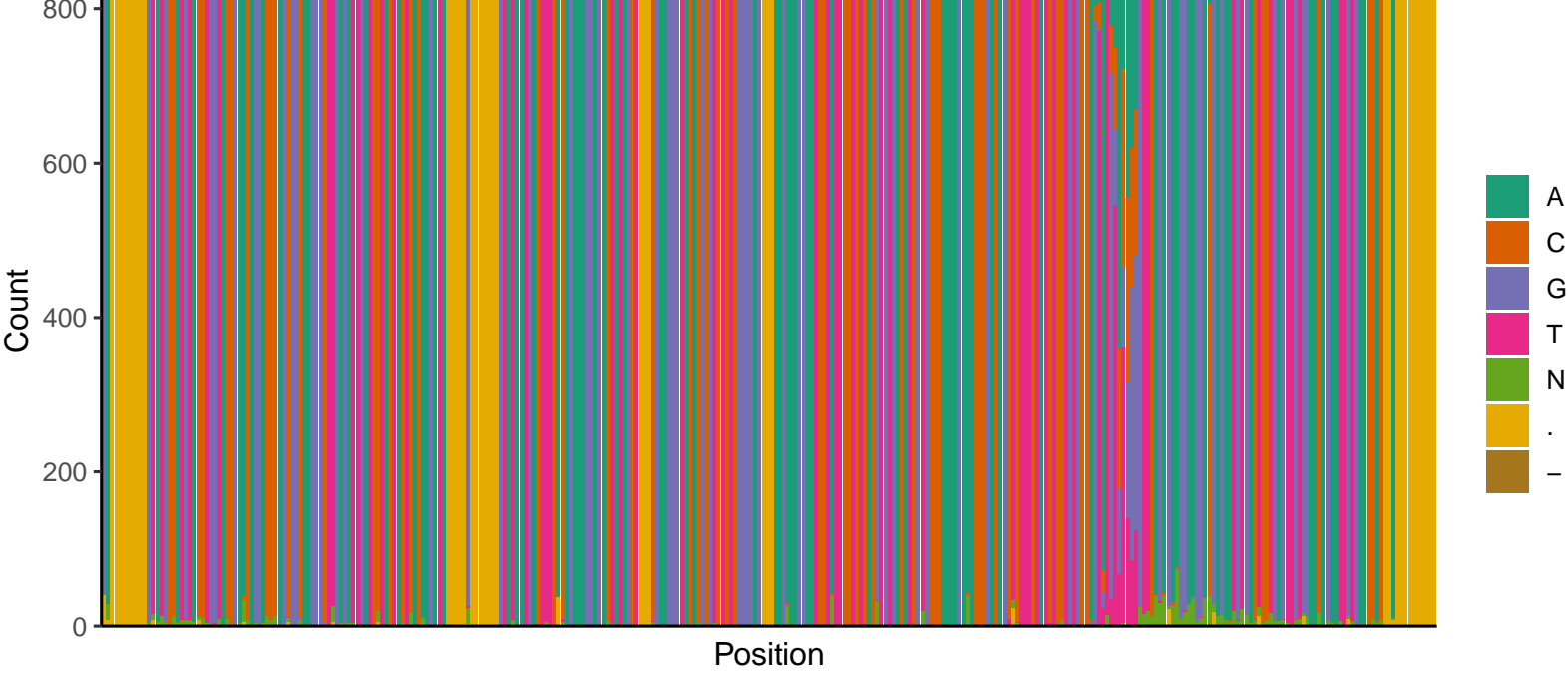
Gene TRBV12-5*01_C28G



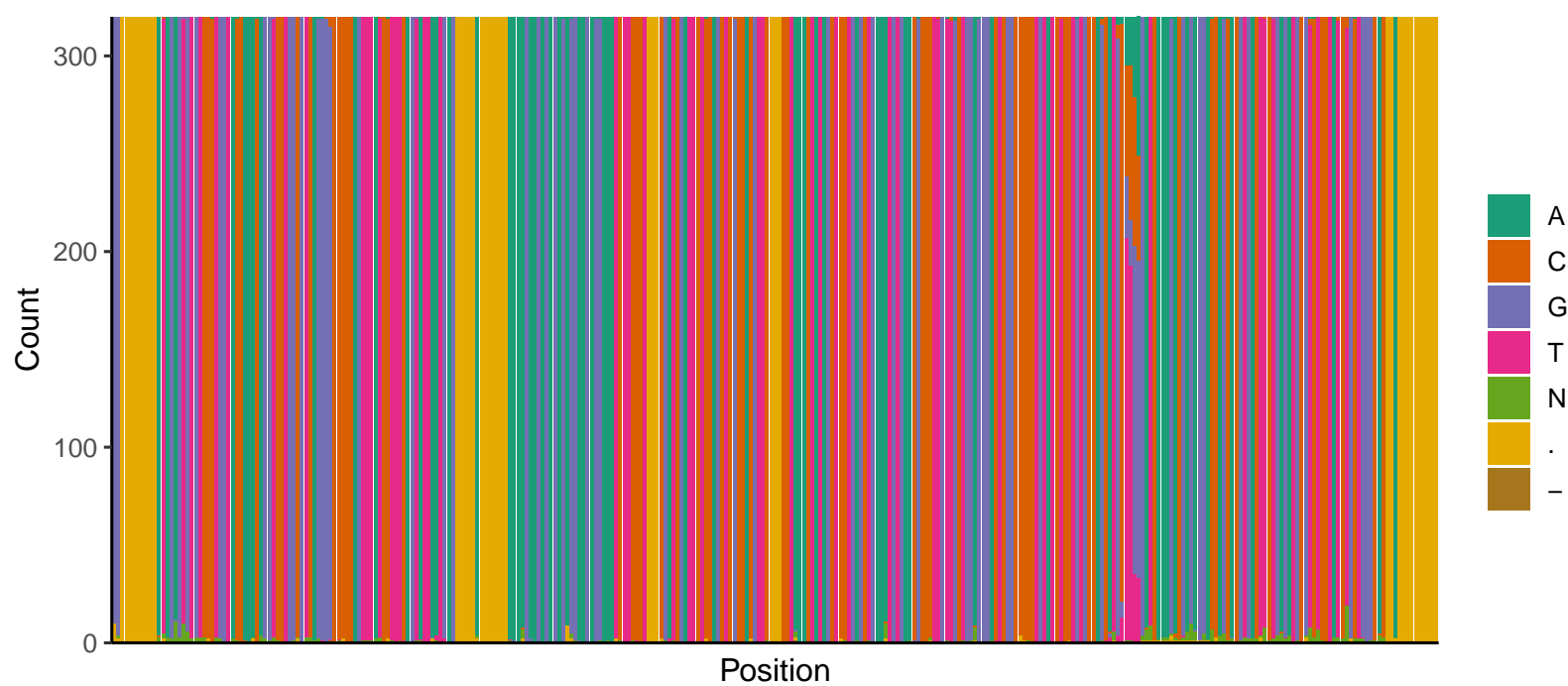
Gene TRBV14*02_322CAAGA326



Gene TRBV19*01_A24G



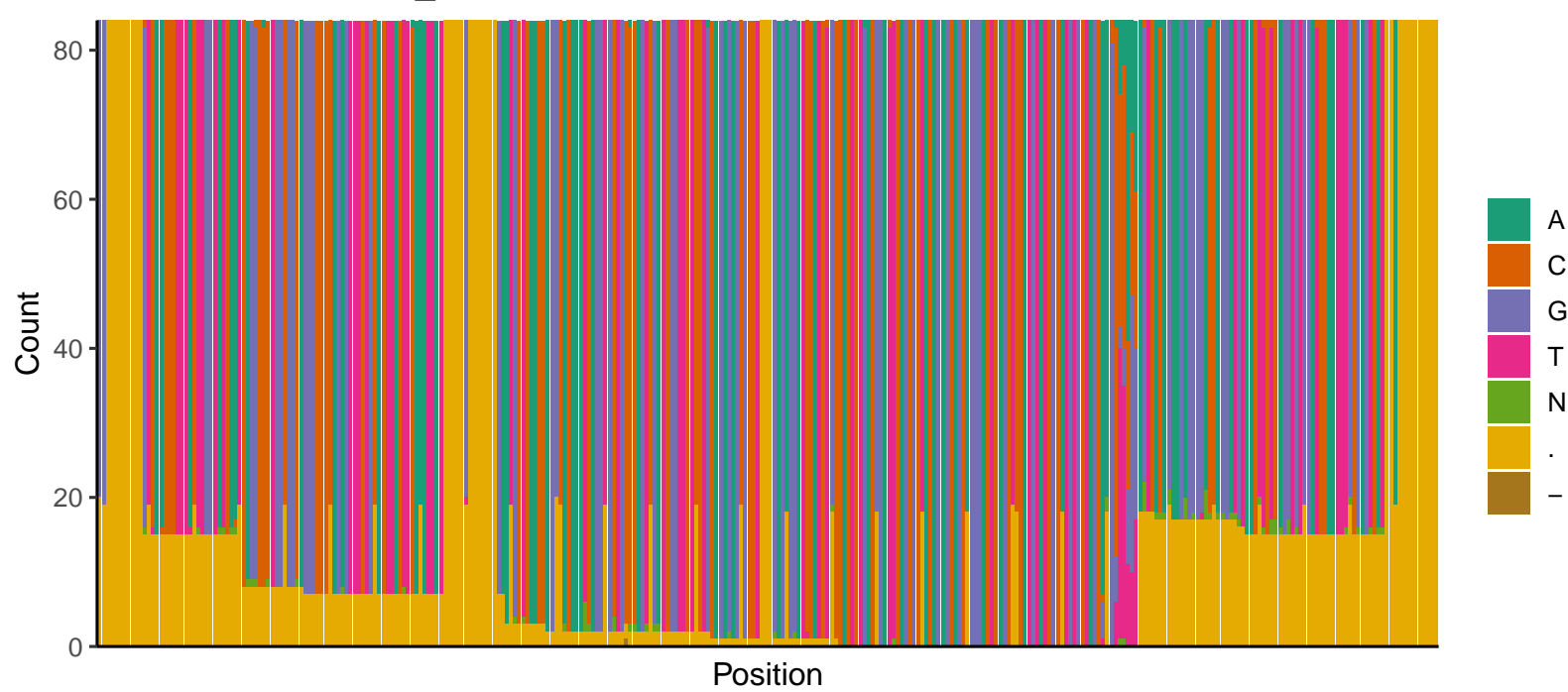
Gene TRBV5-5*02_322TTGG325



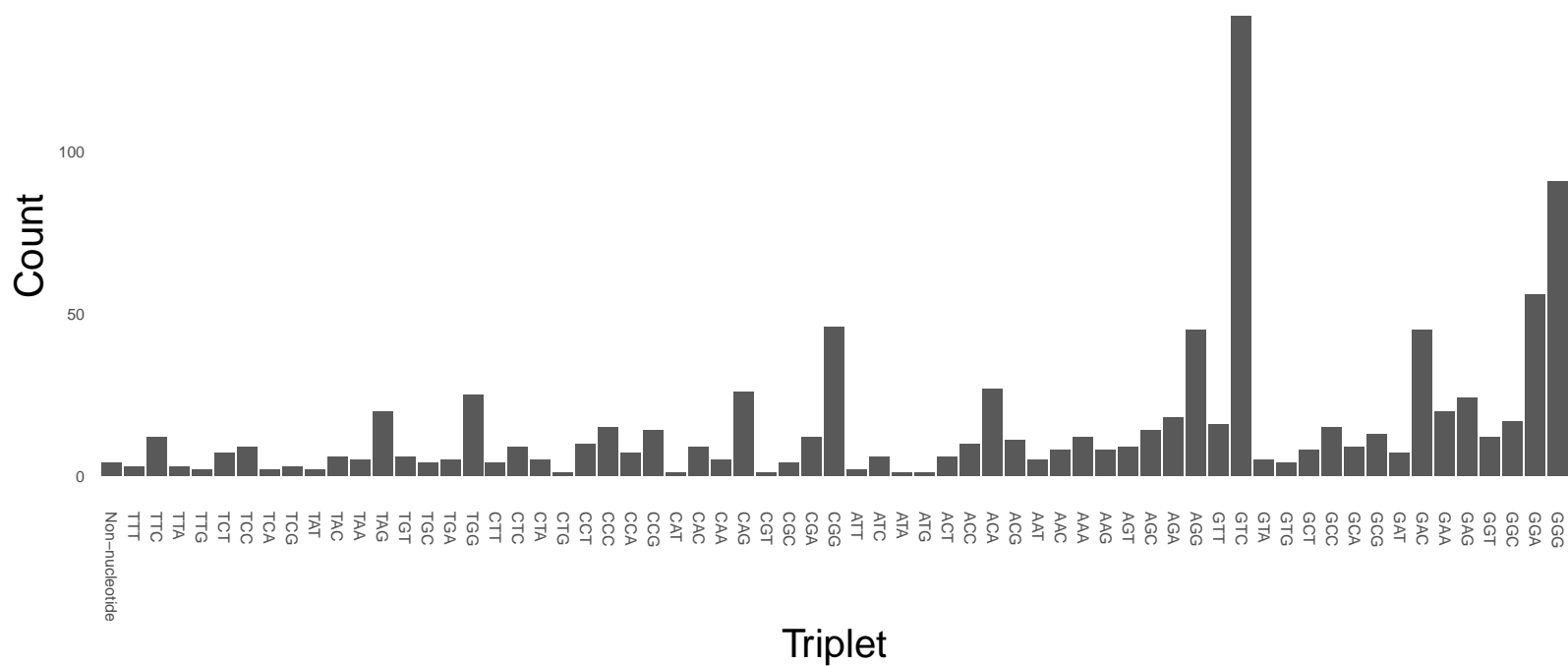
Gene TRBV6-9*01_A303G



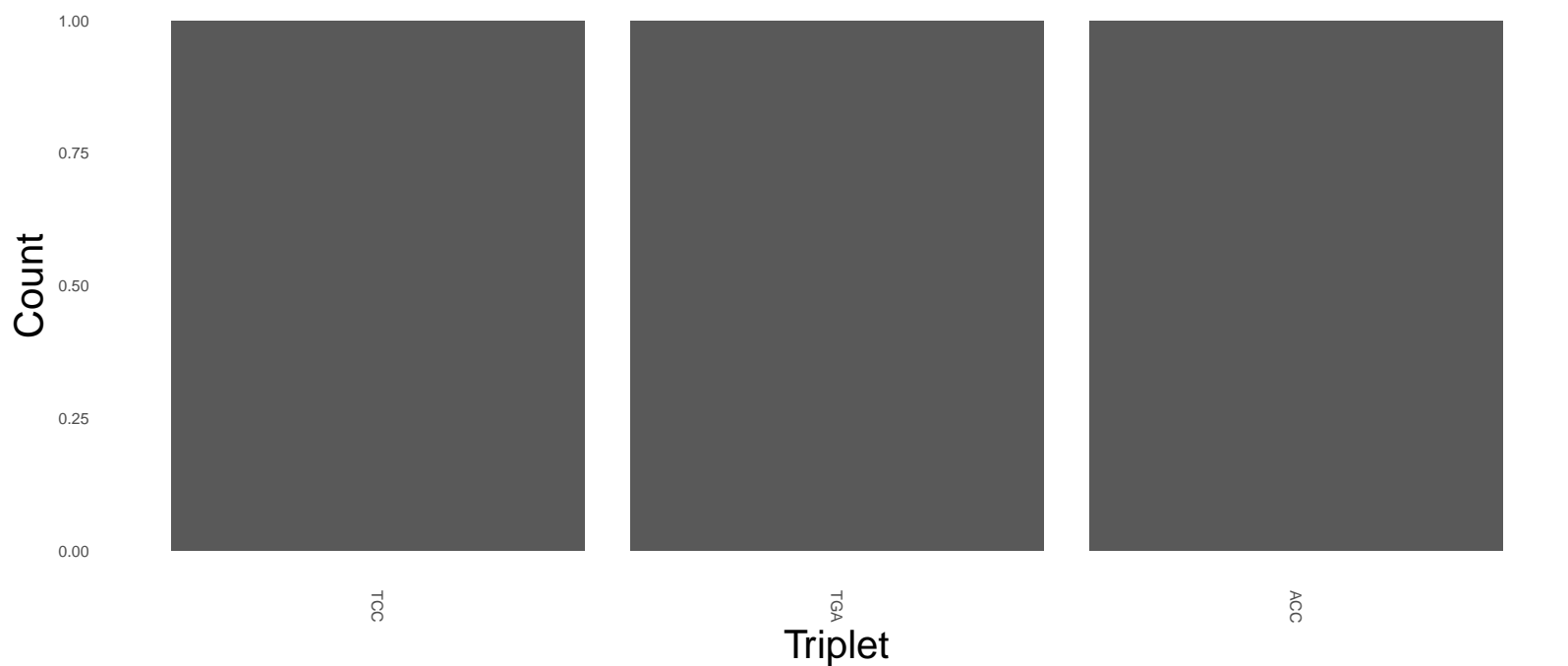
Gene TRBV7-7*01_C315T



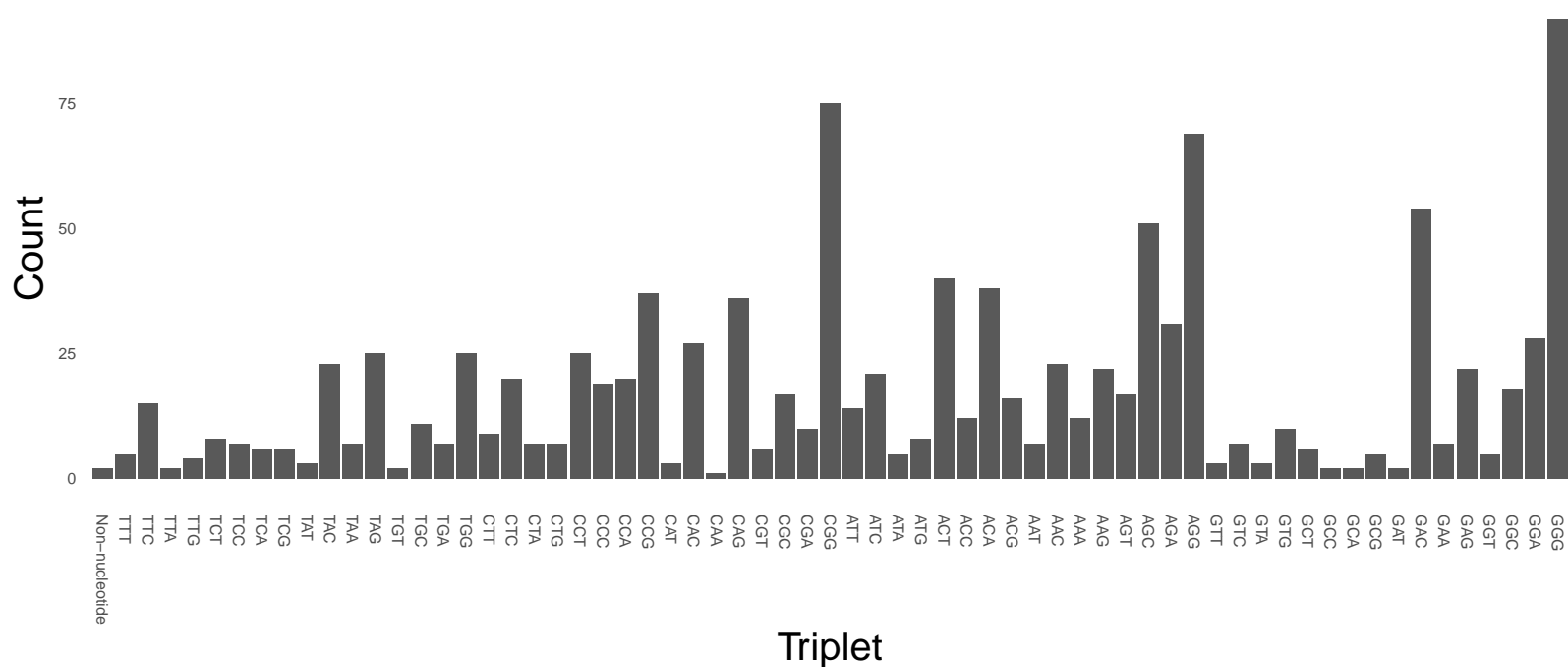
TRBV10–3*03_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



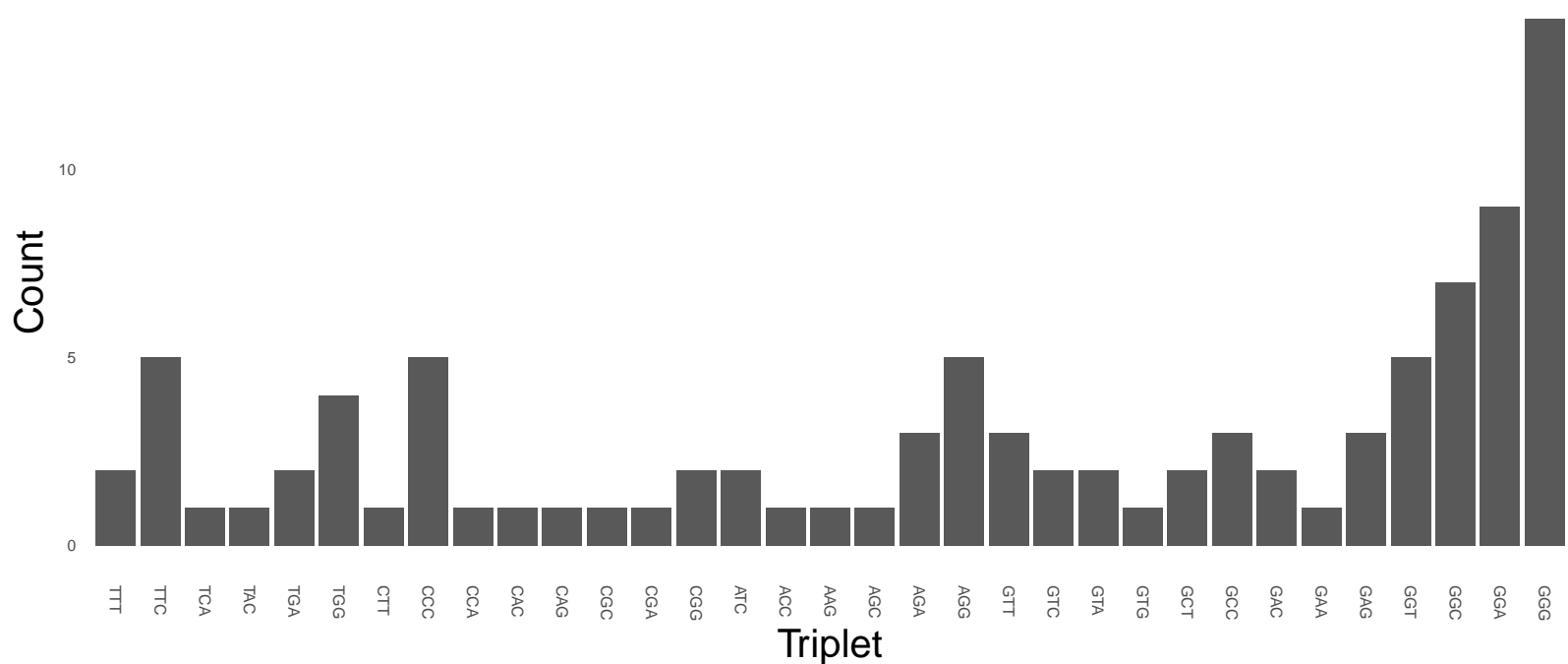
TRBV12–1*01_C165A– Final 3 nucleotides as a triplet



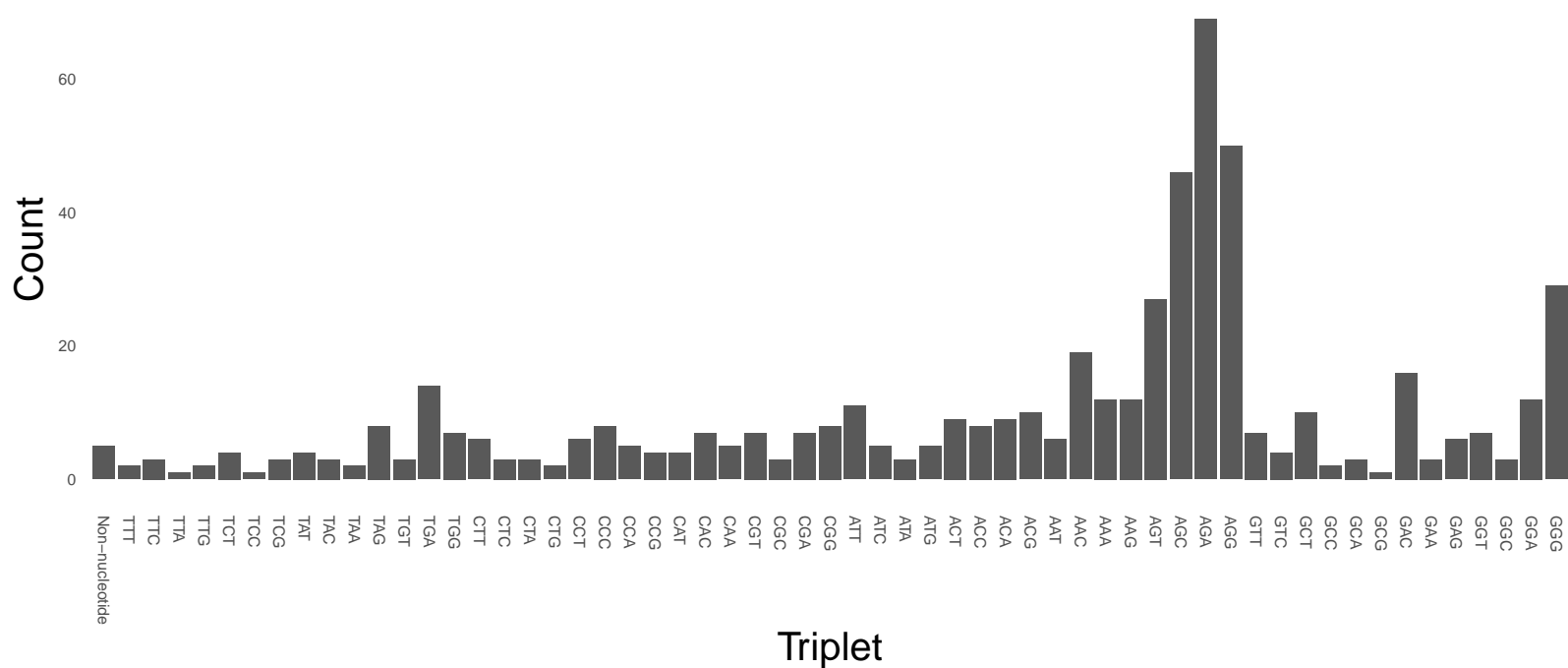
TRBV12–4*01_C87T– Final 3 nucleotides as a triplet



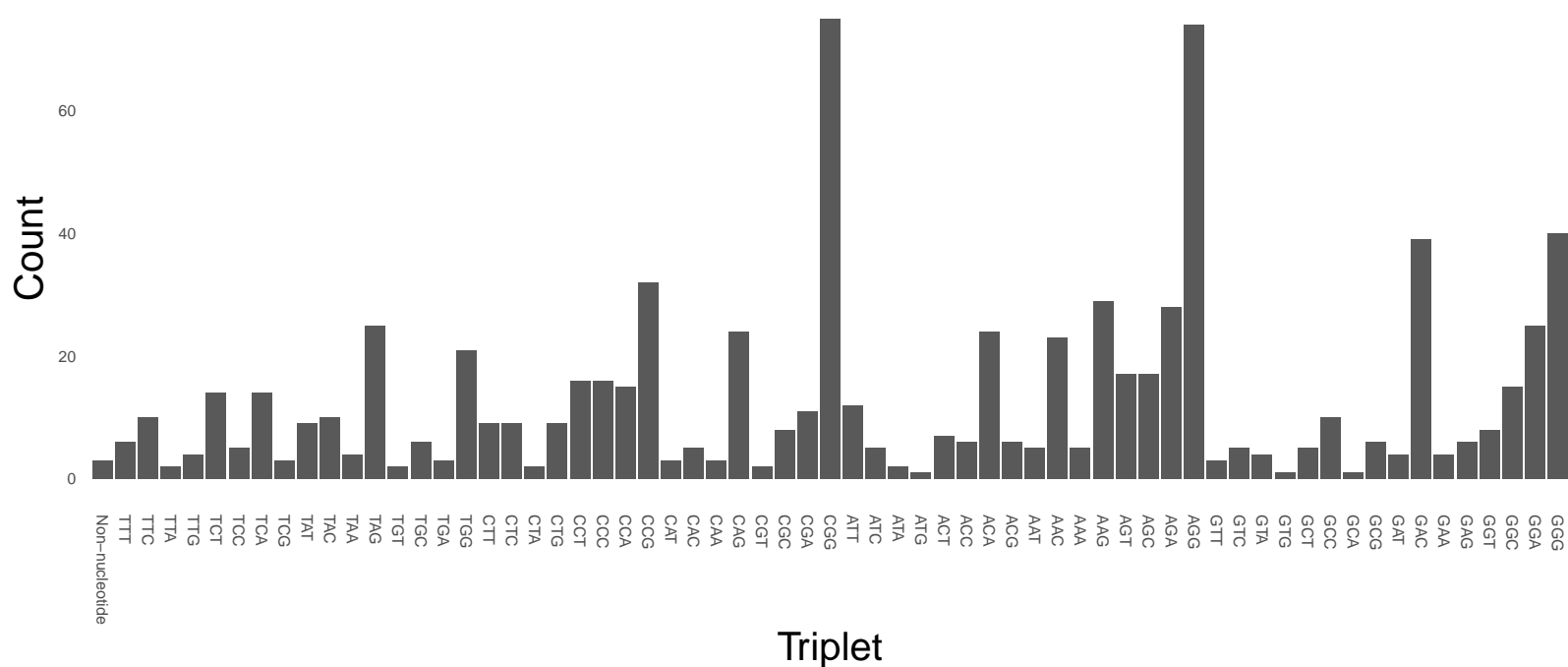
TRBV12-5*01_C28G- Final 3 nucleotides as a triplet



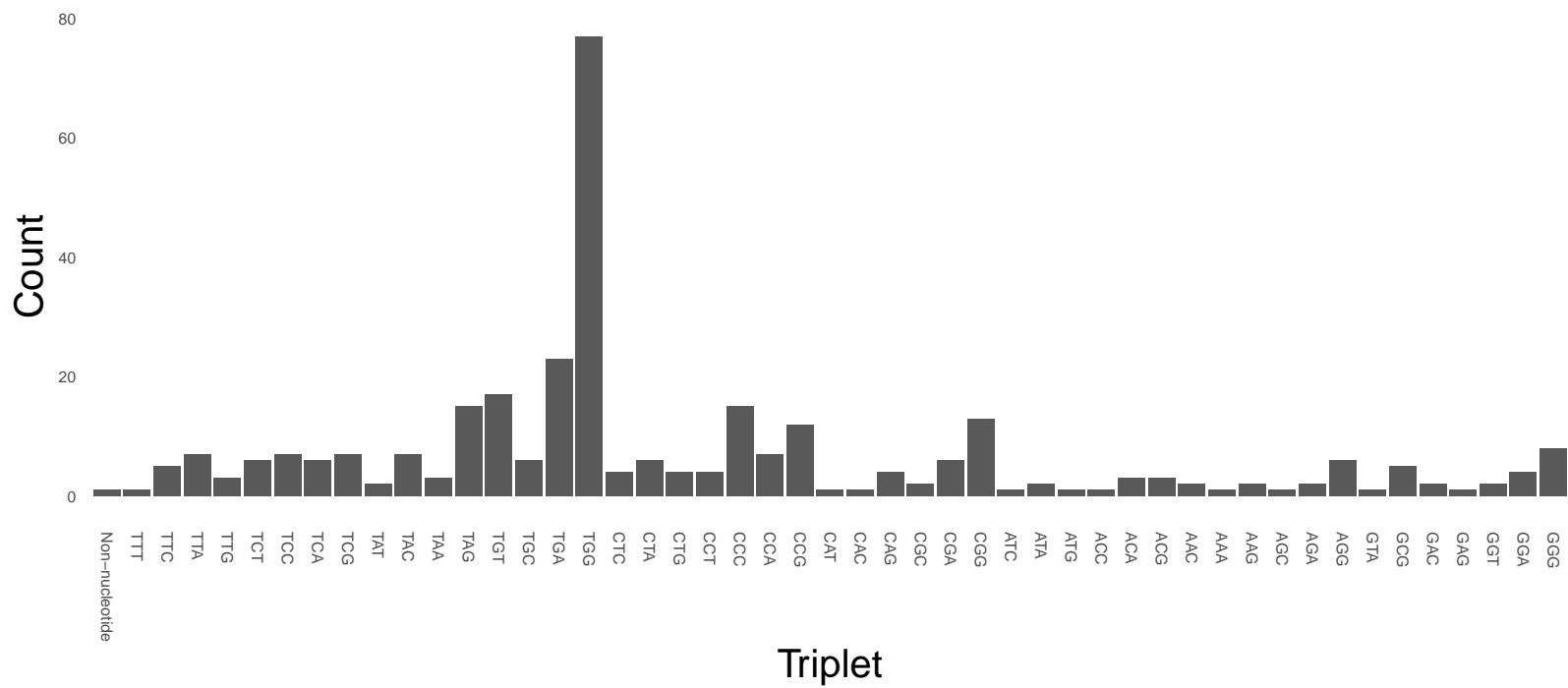
TRBV14*02_322CAAGA326- Final 3 nucleotides as a triplet



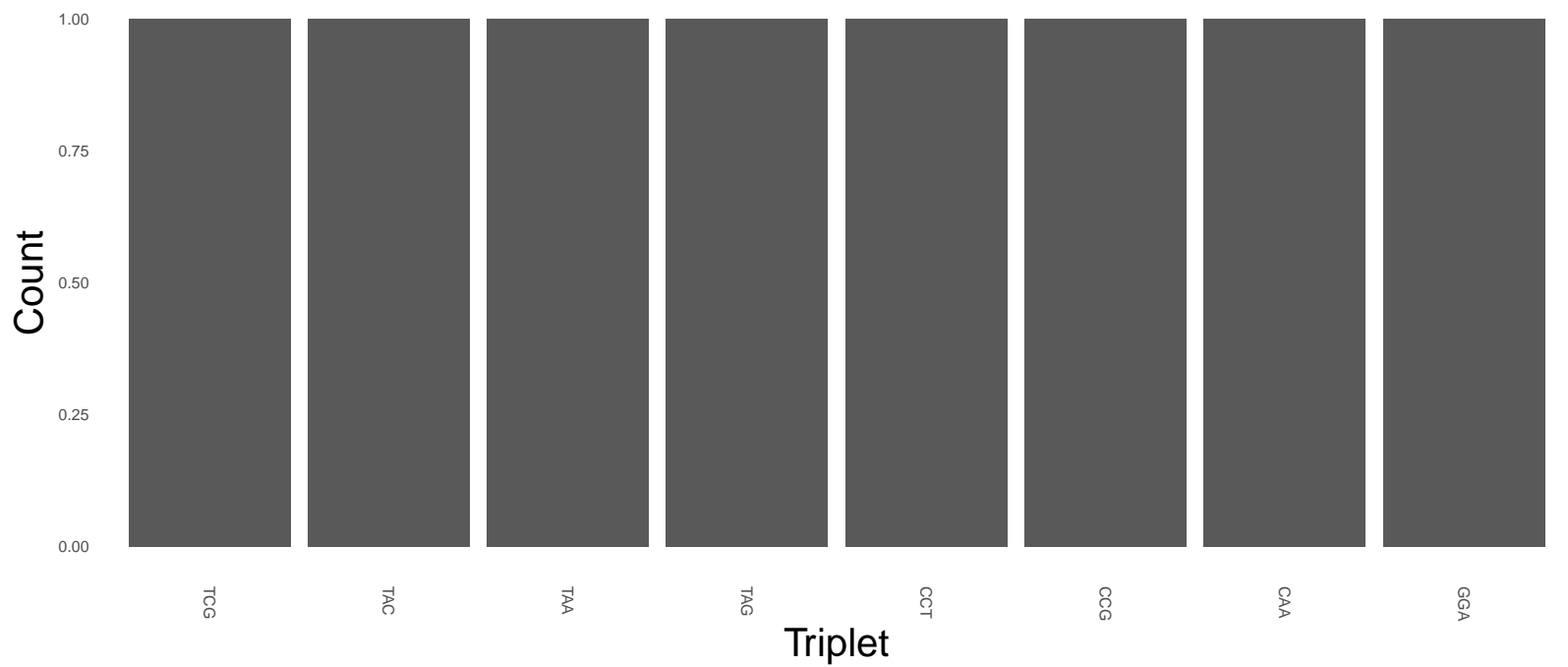
TRBV19*01_A24G- Final 3 nucleotides as a triplet



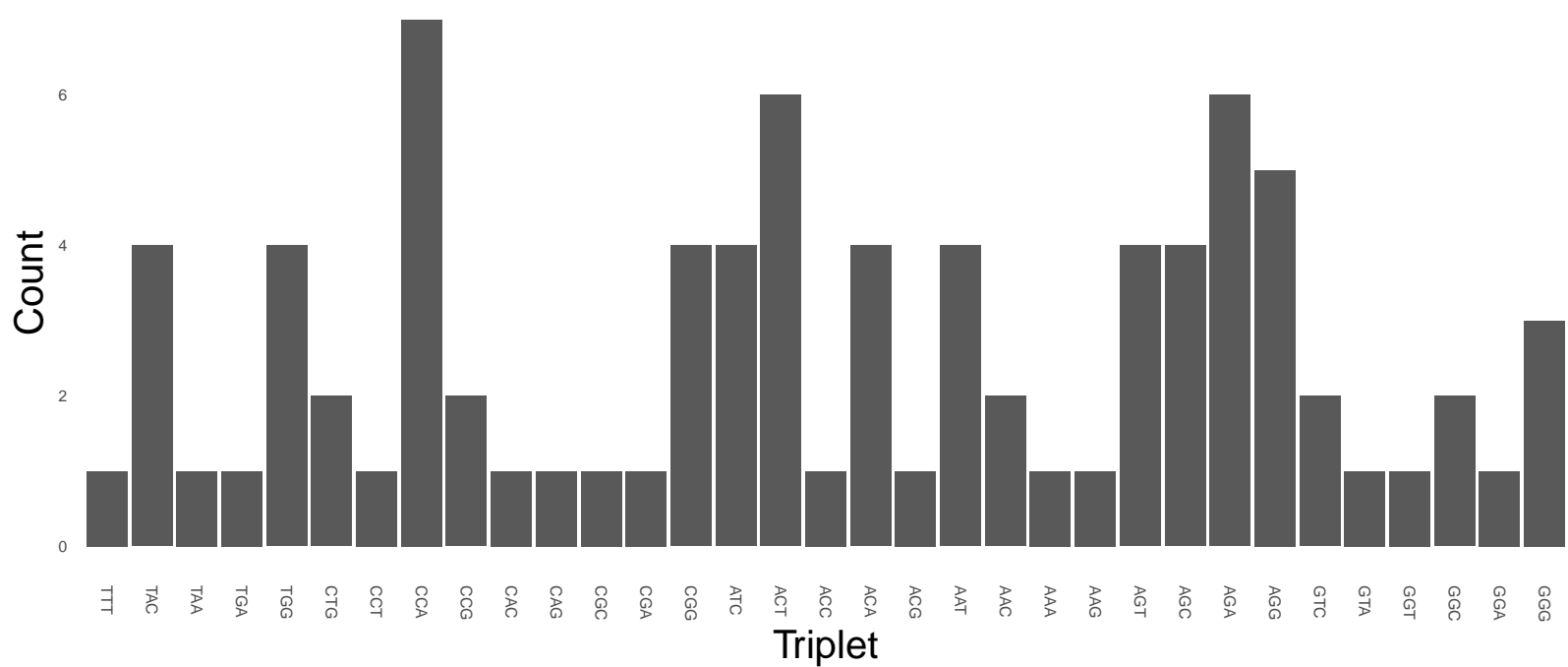
TRBV5-5*02_322TTGG325- Final 3 nucleotides as a triplet



TRBV6-9*01_A303G- Final 3 nucleotides as a triplet

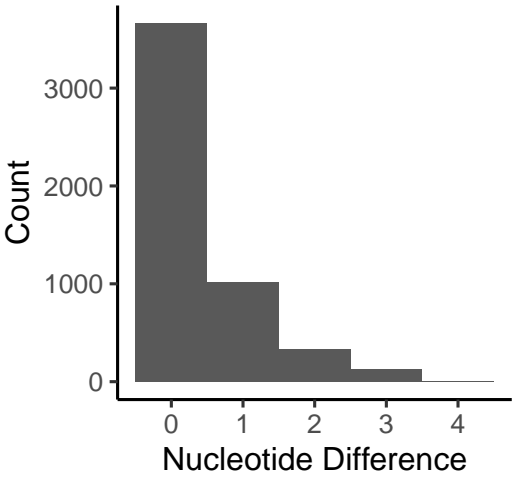


TRBV7-7*01_C315T- Final 3 nucleotides as a triplet



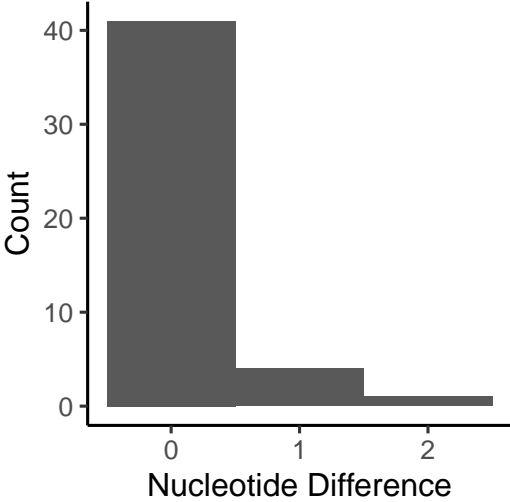
TRBV20-1*01

5139 sequences assigned
3661 (71.2%) exact matches, in which:
3495 unique CDR3
13 unique J



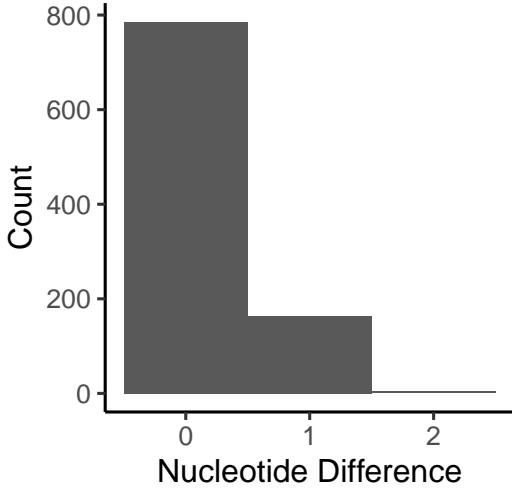
TRBV10-2*01

46 sequences assigned
41 (89.1%) exact matches, in which:
36 unique CDR3
10 unique J



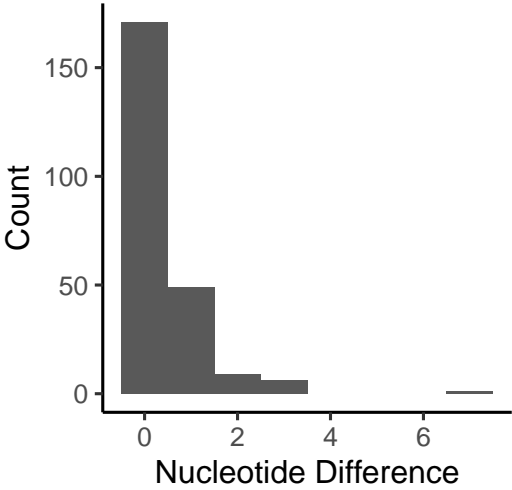
TRBV10-3*03_313GCCA

954 sequences assigned
786 (82.4%) exact matches, in which:
750 unique CDR3
14 unique J



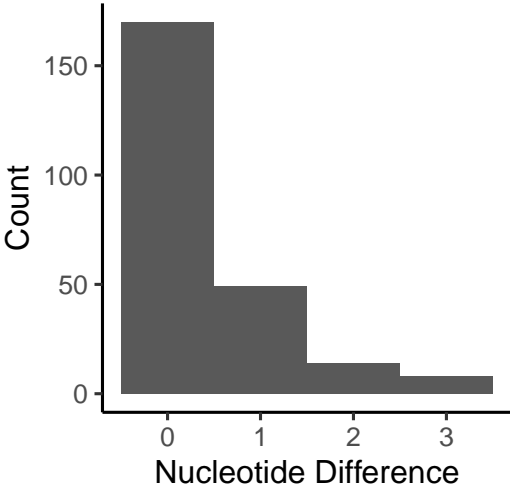
TRBV10-1*02

236 sequences assigned
171 (72.5%) exact matches, in which:
164 unique CDR3
13 unique J



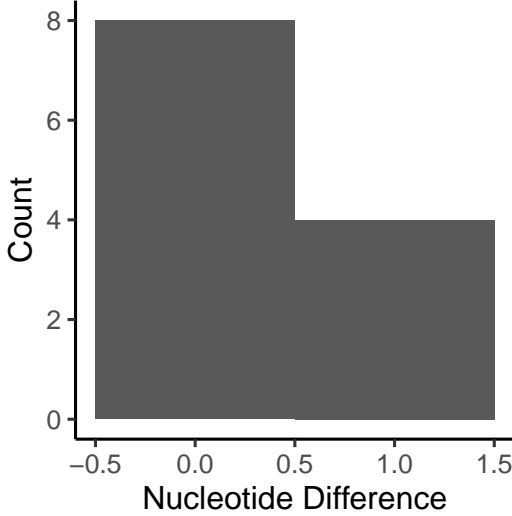
TRBV10-2*02

241 sequences assigned
170 (70.5%) exact matches, in which:
149 unique CDR3
12 unique J



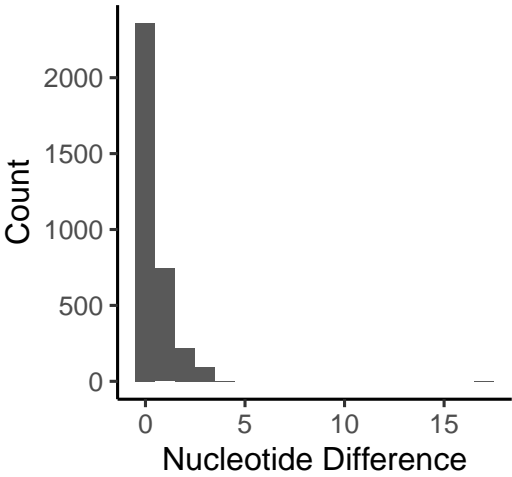
TRBV1*01

12 sequences assigned
8 (66.7%) exact matches, in which:
8 unique CDR3
7 unique J



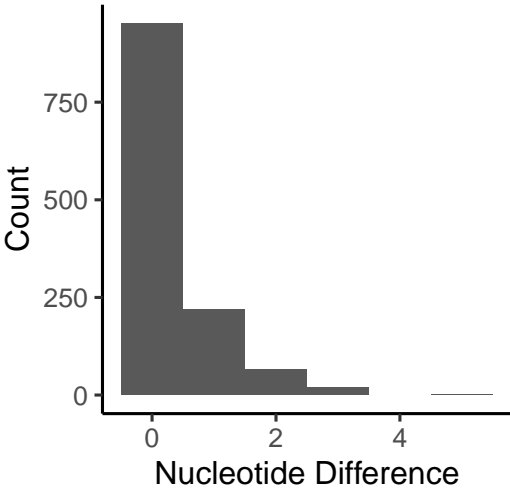
TRBV20-1*05

3418 sequences assigned
2360 (69%) exact matches, in which:
2224 unique CDR3
14 unique J



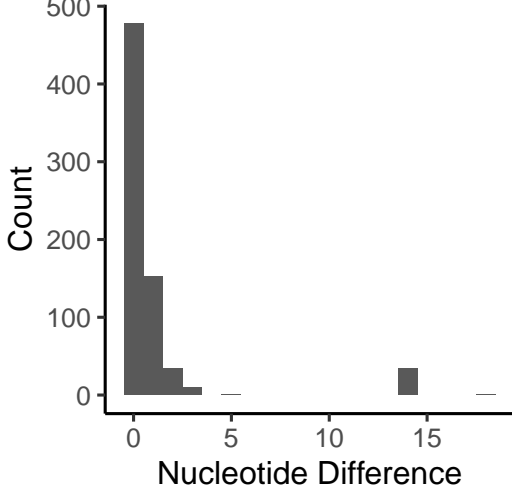
TRBV10-3*02

1258 sequences assigned
952 (75.7%) exact matches, in which:
896 unique CDR3
13 unique J



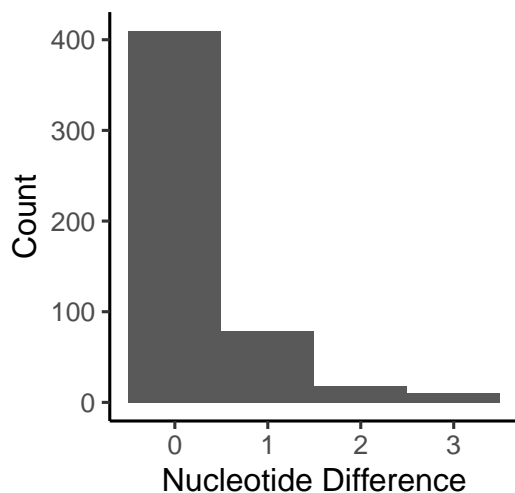
TRBV13*01

710 sequences assigned
478 (67.3%) exact matches, in which:
432 unique CDR3
14 unique J



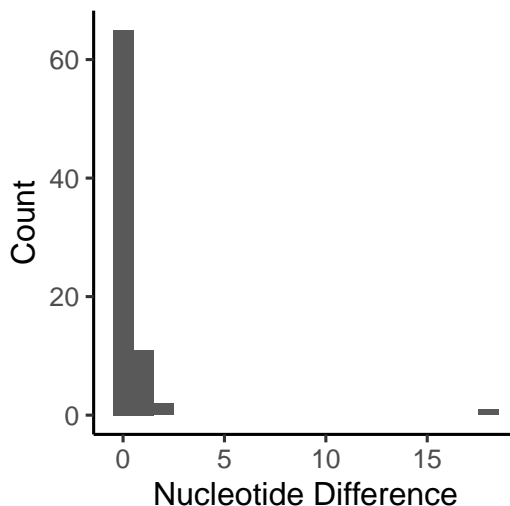
TRBV14*01

517 sequences assigned
410 (79.3%) exact matches, in which:
395 unique CDR3
13 unique J



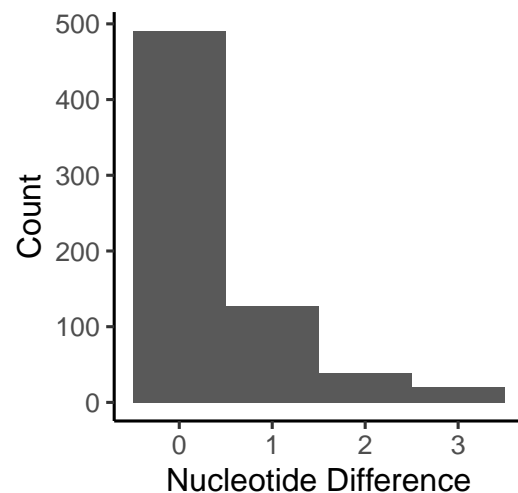
TRBV16*01

80 sequences assigned
65 (81.2%) exact matches, in which:
58 unique CDR3
12 unique J



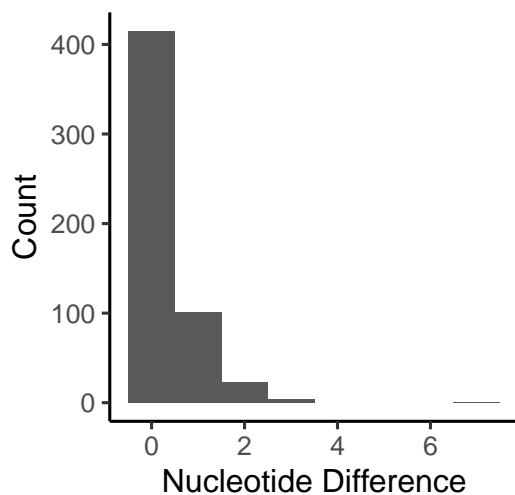
TRBV19*01

677 sequences assigned
491 (72.5%) exact matches, in which:
467 unique CDR3
13 unique J



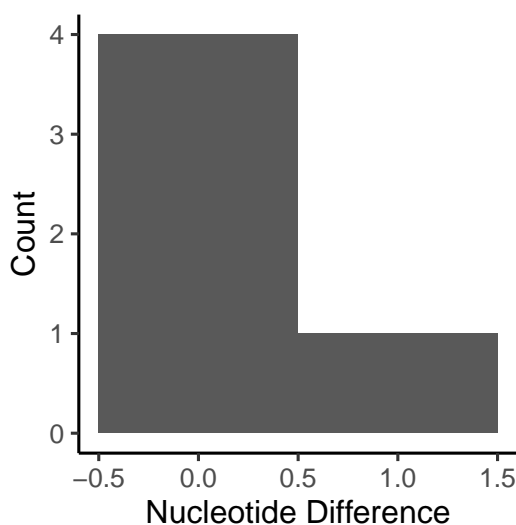
TRBV14*02_322CAAGA3

544 sequences assigned
415 (76.3%) exact matches, in which:
386 unique CDR3
13 unique J



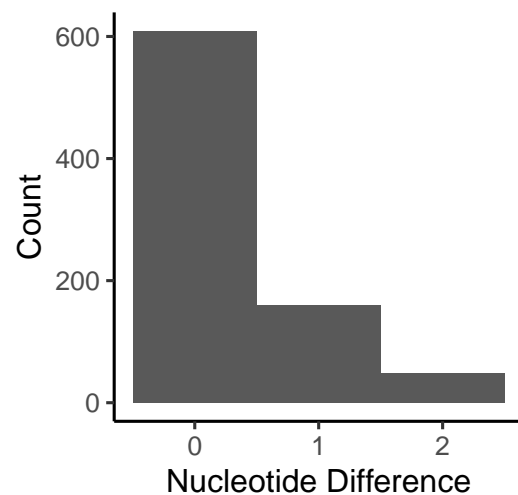
TRBV17*01

5 sequences assigned
4 (80%) exact matches, in which:
3 unique CDR3
2 unique J



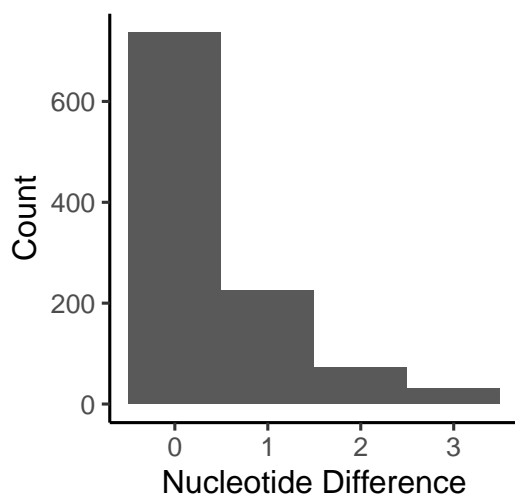
TRBV19*01_A24G

817 sequences assigned
609 (74.5%) exact matches, in which:
549 unique CDR3
13 unique J



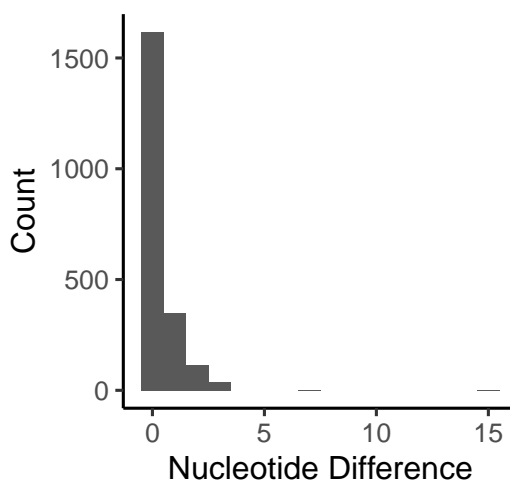
TRBV15*02

1065 sequences assigned
737 (69.2%) exact matches, in which:
696 unique CDR3
14 unique J



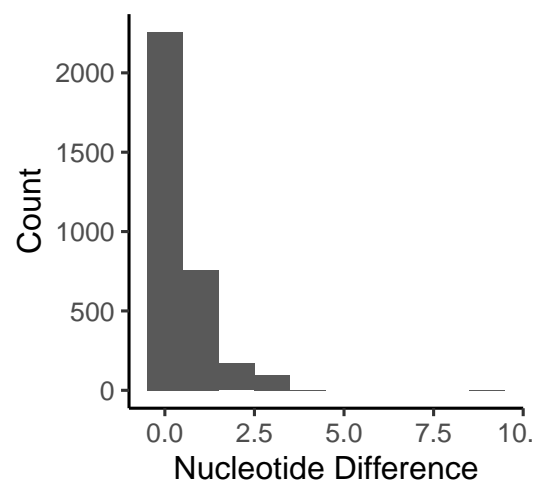
TRBV18*01

2121 sequences assigned
1617 (76.2%) exact matches, in which:
1502 unique CDR3
14 unique J



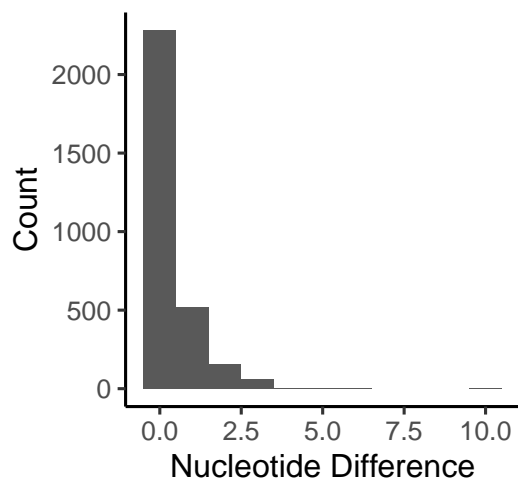
TRBV2*01

3284 sequences assigned
2257 (68.7%) exact matches, in which:
1910 unique CDR3
14 unique J



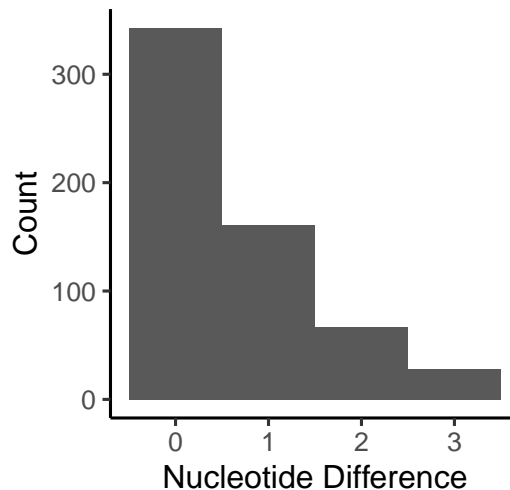
TRBV27*01

3020 sequences assigned
2281 (75.5%) exact matches, in which:
2141 unique CDR3
14 unique J



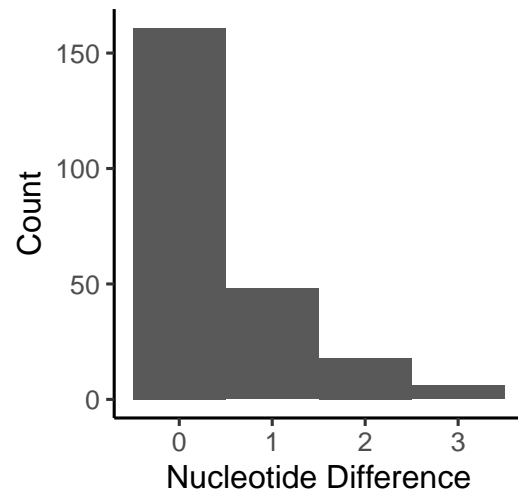
TRBV30*02

599 sequences assigned
343 (57.3%) exact matches, in which:
326 unique CDR3
13 unique J



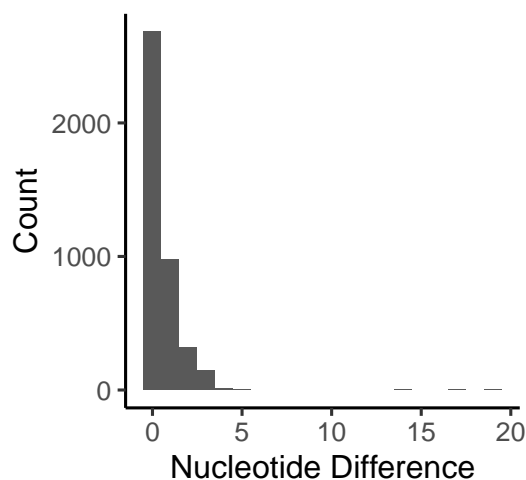
TRBV11-1*01

233 sequences assigned
161 (69.1%) exact matches, in which:
151 unique CDR3
12 unique J



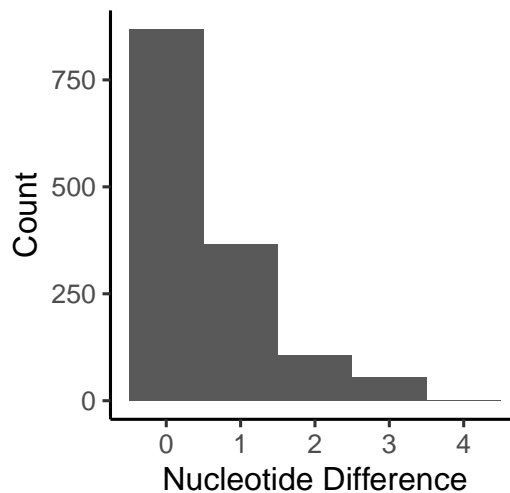
TRBV28*01

4143 sequences assigned
2683 (64.8%) exact matches, in which:
2215 unique CDR3
14 unique J



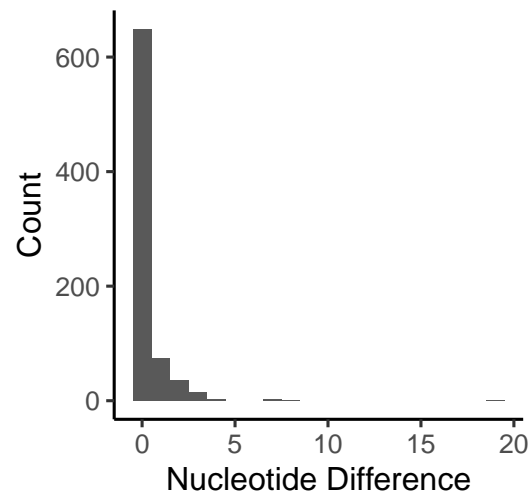
TRBV9*01

1401 sequences assigned
869 (62%) exact matches, in which:
726 unique CDR3
14 unique J



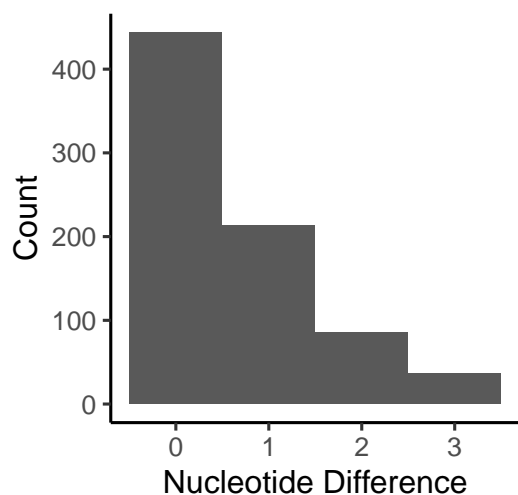
TRBV21-1*01

781 sequences assigned
649 (83.1%) exact matches, in which:
626 unique CDR3
14 unique J



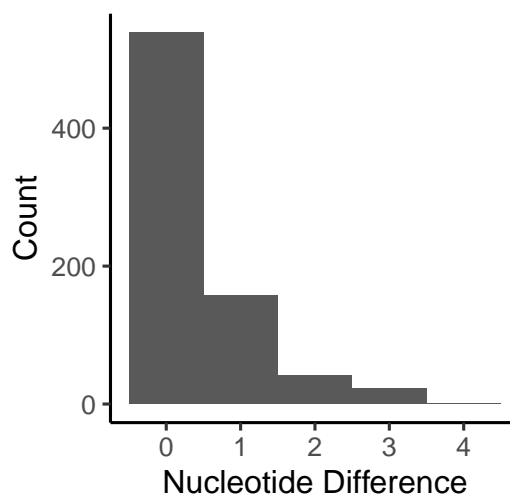
TRBV30*01

778 sequences assigned
444 (57.1%) exact matches, in which:
401 unique CDR3
13 unique J



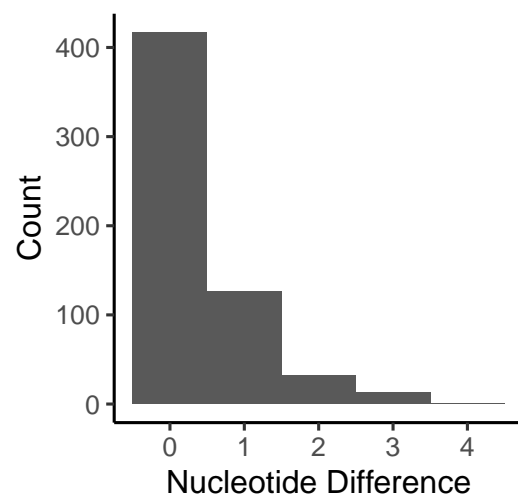
TRBV9*02

762 sequences assigned
539 (70.7%) exact matches, in which:
508 unique CDR3
13 unique J



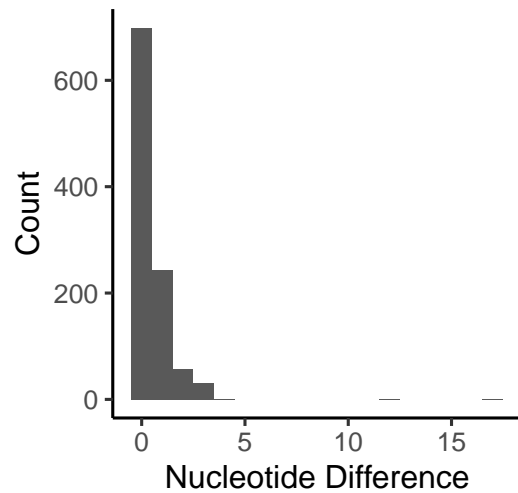
TRBV11-2*01

590 sequences assigned
417 (70.7%) exact matches, in which:
388 unique CDR3
14 unique J



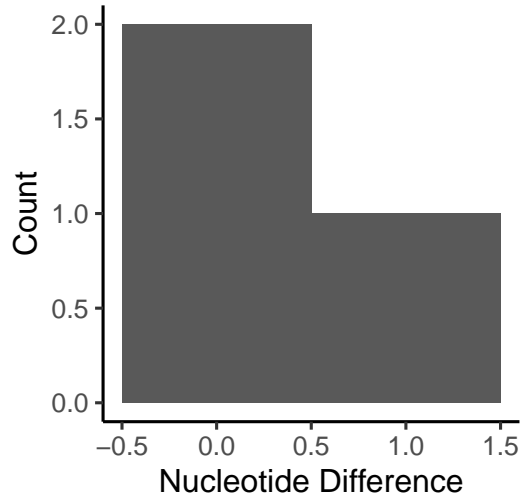
TRBV11-2*03

1033 sequences assigned
699 (67.7%) exact matches, in which:
606 unique CDR3
13 unique J



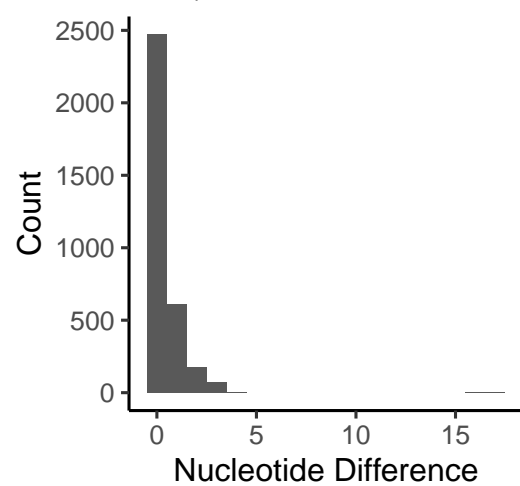
TRBV12-1*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



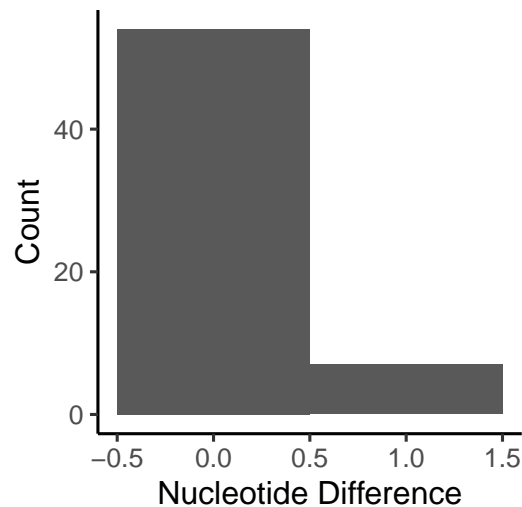
TRBV12-3*01

3332 sequences assigned
2472 (74.2%) exact matches, in which:
2334 unique CDR3
14 unique J



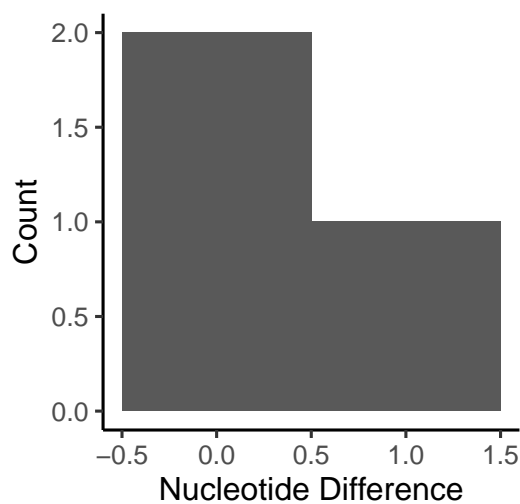
TRBV11-3*01

61 sequences assigned
54 (88.5%) exact matches, in which:
51 unique CDR3
9 unique J



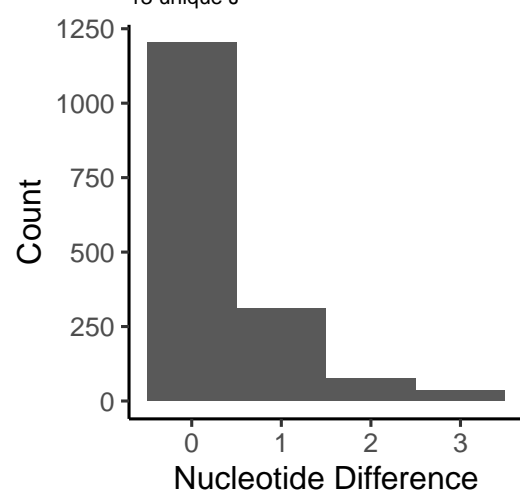
TRBV12-1*01_C165A

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



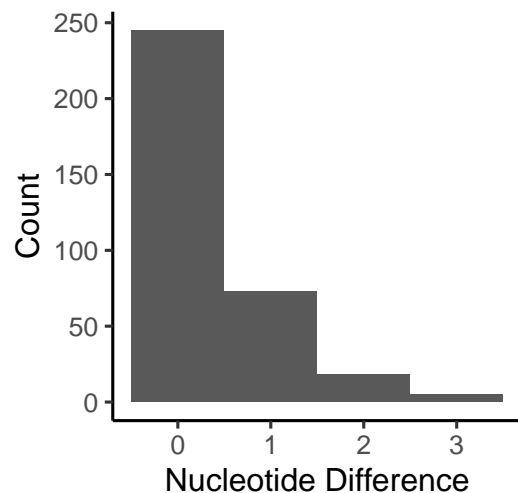
TRBV12-4*01

1624 sequences assigned
1203 (74.1%) exact matches, in which:
1141 unique CDR3
13 unique J



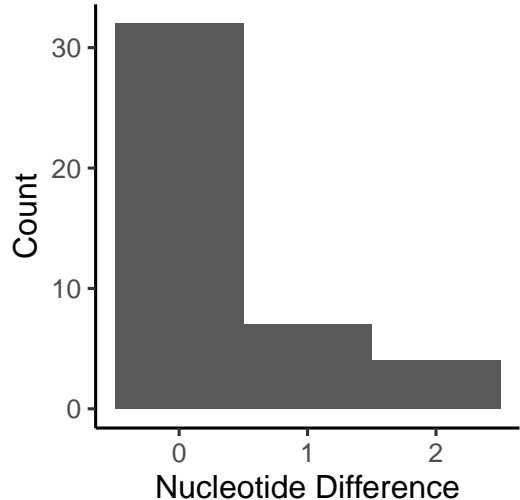
TRBV11-3*04

341 sequences assigned
245 (71.8%) exact matches, in which:
229 unique CDR3
12 unique J



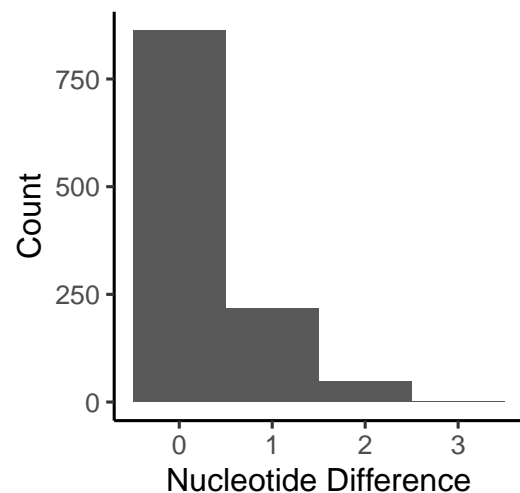
TRBV12-2*01

43 sequences assigned
32 (74.4%) exact matches, in which:
28 unique CDR3
10 unique J



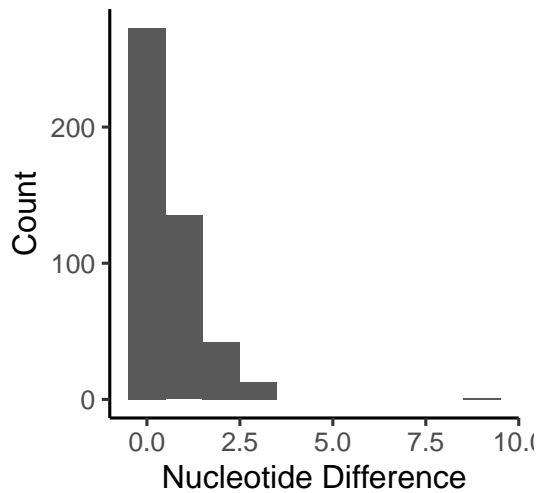
TRBV12-4*01_C87T

1129 sequences assigned
863 (76.4%) exact matches, in which:
820 unique CDR3
13 unique J



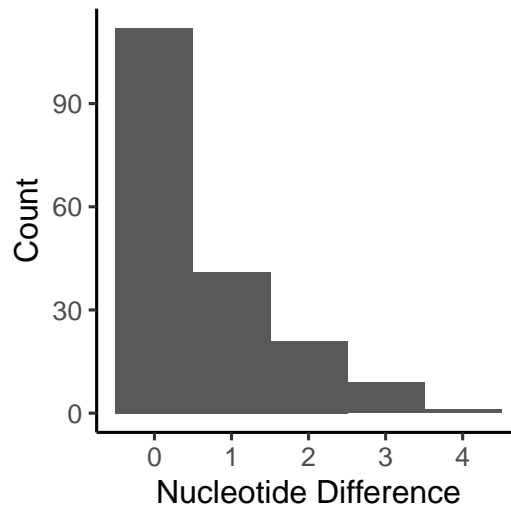
TRBV12–5*01

465 sequences assigned
273 (58.7%) exact matches, in which:
200 unique CDR3
13 unique J



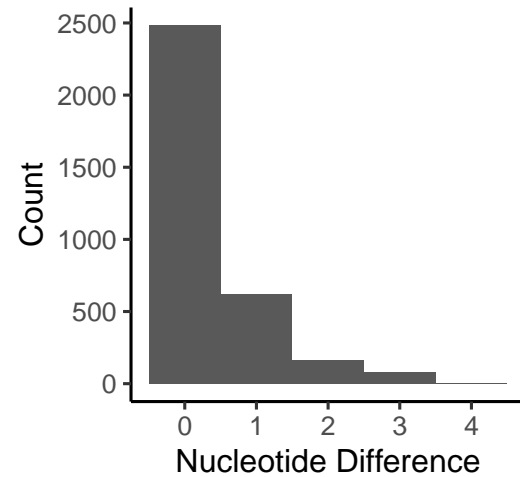
TRBV23–1*01

184 sequences assigned
112 (60.9%) exact matches, in which:
100 unique CDR3
13 unique J



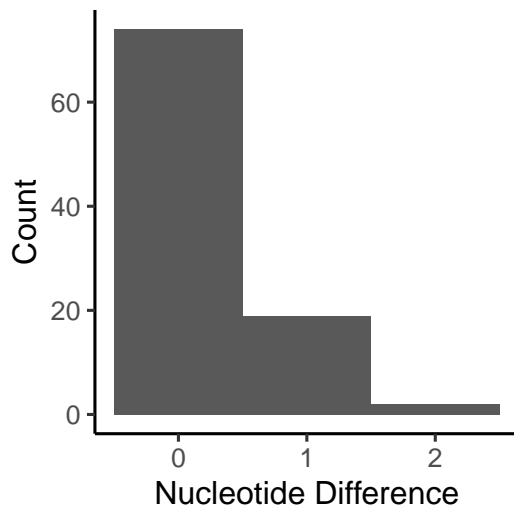
TRBV4–1*01

3351 sequences assigned
2483 (74.1%) exact matches, in which:
2253 unique CDR3
14 unique J



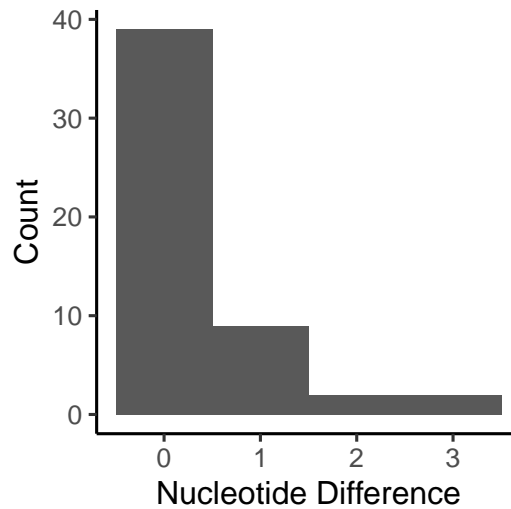
TRBV12–5*01_C28G

95 sequences assigned
74 (77.9%) exact matches, in which:
72 unique CDR3
9 unique J



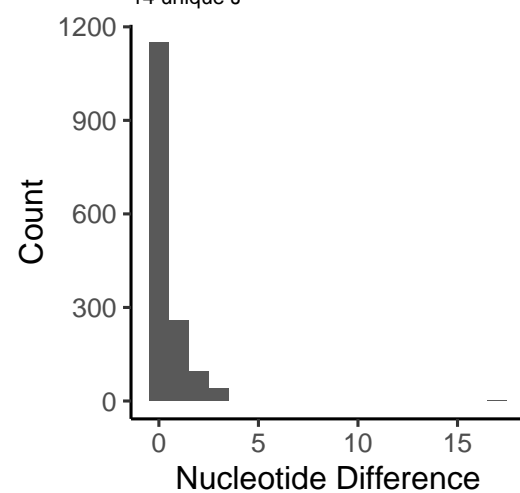
TRBV3–2*02

52 sequences assigned
39 (75%) exact matches, in which:
34 unique CDR3
10 unique J



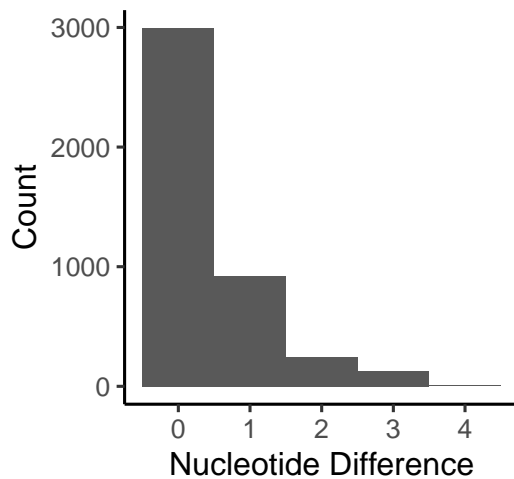
TRBV4–2*01

1544 sequences assigned
1149 (74.4%) exact matches, in which:
1059 unique CDR3
14 unique J



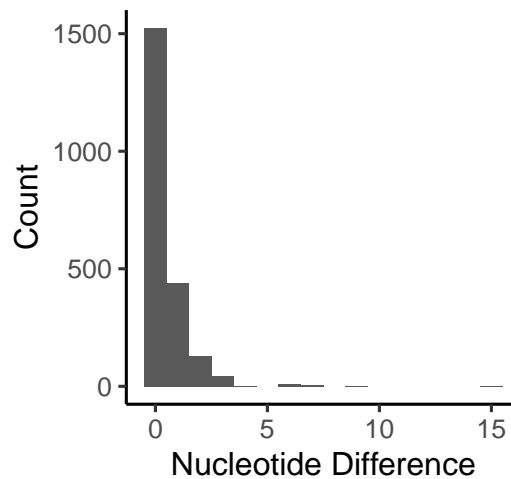
TRBV3–1*01

4296 sequences assigned
2995 (69.7%) exact matches, in which:
2545 unique CDR3
14 unique J



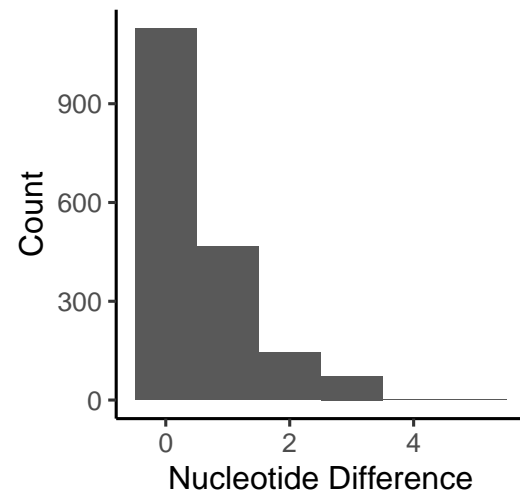
TRBV24–1*01

2157 sequences assigned
1524 (70.7%) exact matches, in which:
1441 unique CDR3
14 unique J



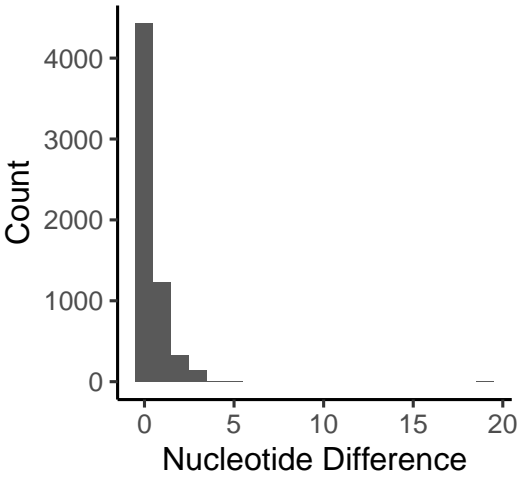
TRBV4–3*01

1816 sequences assigned
1129 (62.2%) exact matches, in which:
873 unique CDR3
13 unique J



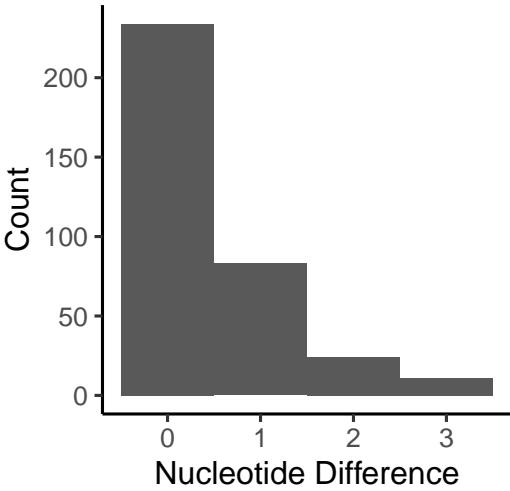
TRBV5-1*01

6123 sequences assigned
4429 (72.3%) exact matches, in which:
4158 unique CDR3
14 unique J



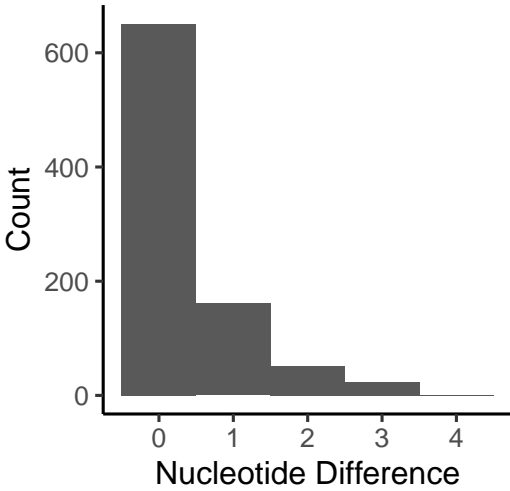
TRBV5-4*01

352 sequences assigned
234 (66.5%) exact matches, in which:
225 unique CDR3
13 unique J



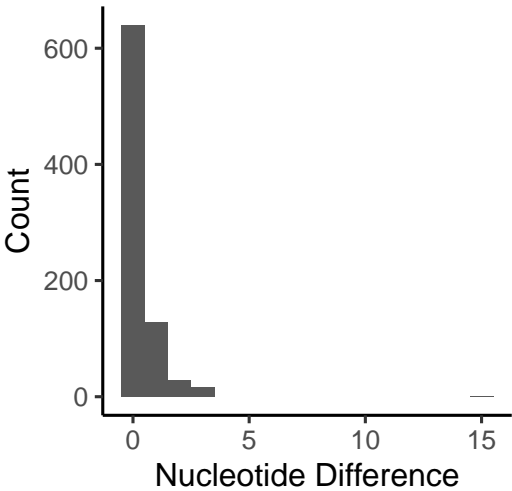
TRBV5-6*01

889 sequences assigned
651 (73.2%) exact matches, in which:
624 unique CDR3
14 unique J



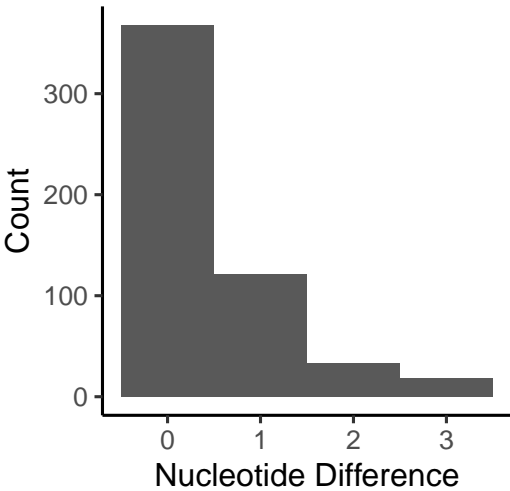
TRBV25-1*01

815 sequences assigned
640 (78.5%) exact matches, in which:
619 unique CDR3
14 unique J



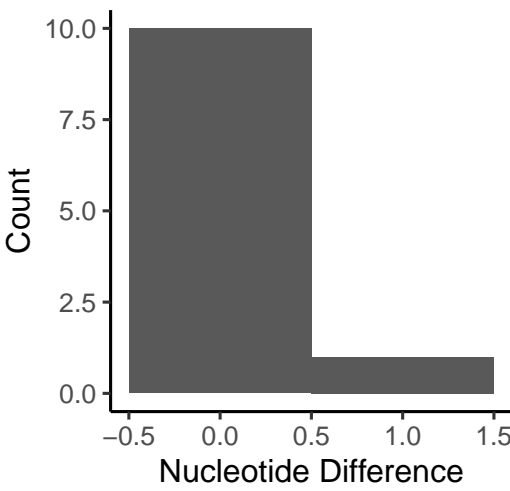
TRBV5-5*01

540 sequences assigned
368 (68.1%) exact matches, in which:
315 unique CDR3
13 unique J



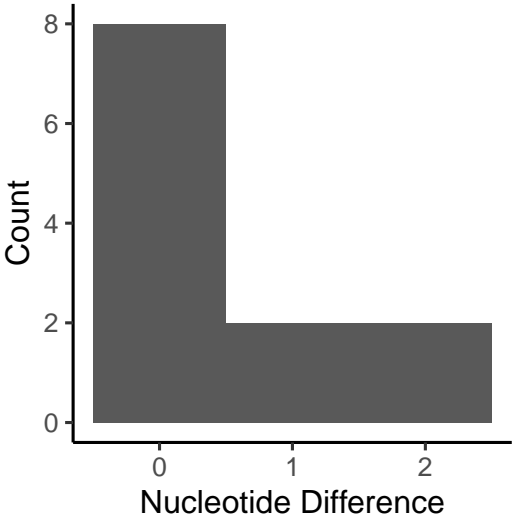
TRBV5-7*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
4 unique J



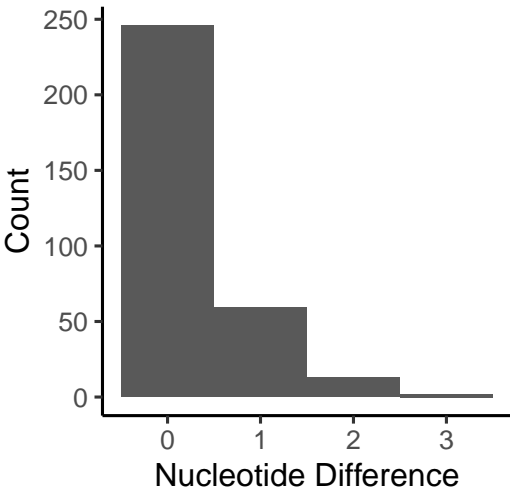
TRBV5-3*01

12 sequences assigned
8 (66.7%) exact matches, in which:
8 unique CDR3
5 unique J



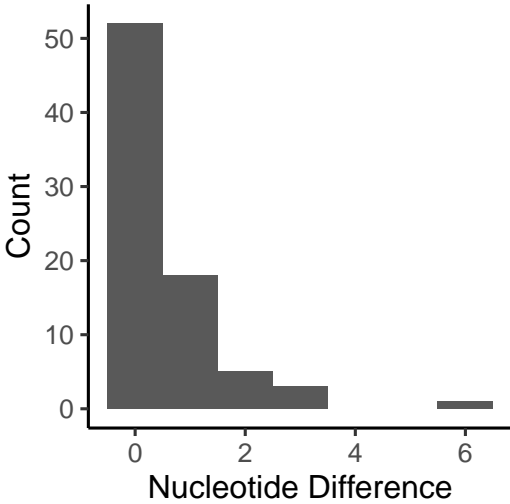
TRBV5-5*02_322TTGG3

320 sequences assigned
246 (76.9%) exact matches, in which:
240 unique CDR3
14 unique J



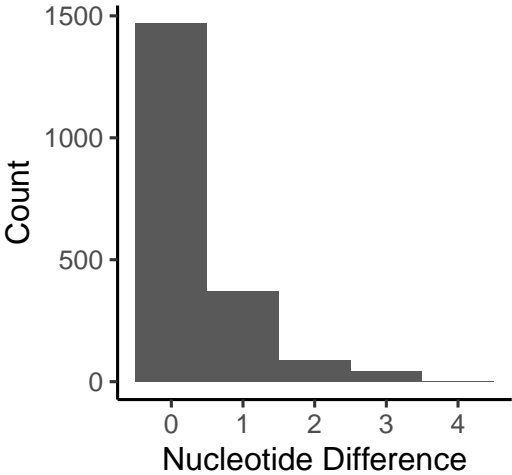
TRBV5-8*01

80 sequences assigned
52 (65%) exact matches, in which:
52 unique CDR3
12 unique J



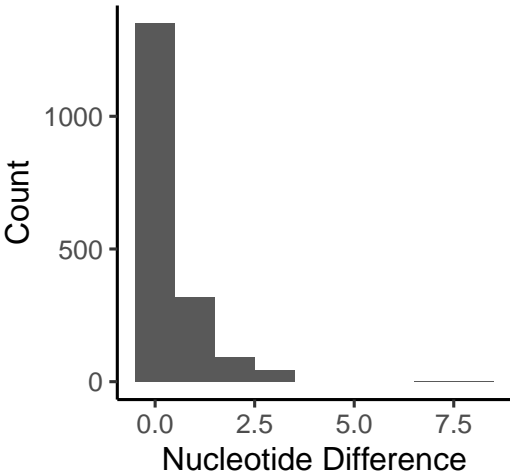
TRBV6-1*01

1978 sequences assigned
1469 (74.3%) exact matches, in which:
1354 unique CDR3
14 unique J



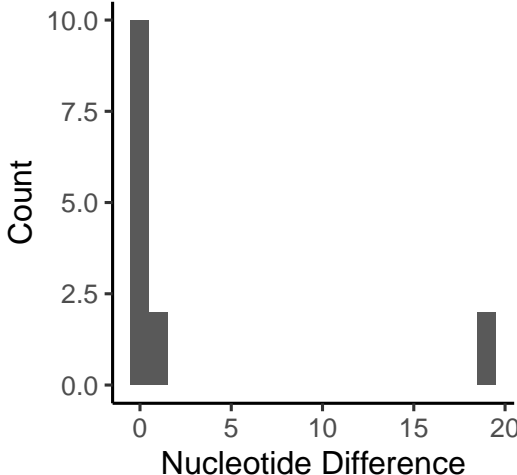
TRBV6-5*01

1807 sequences assigned
1350 (74.7%) exact matches, in which:
1294 unique CDR3
14 unique J



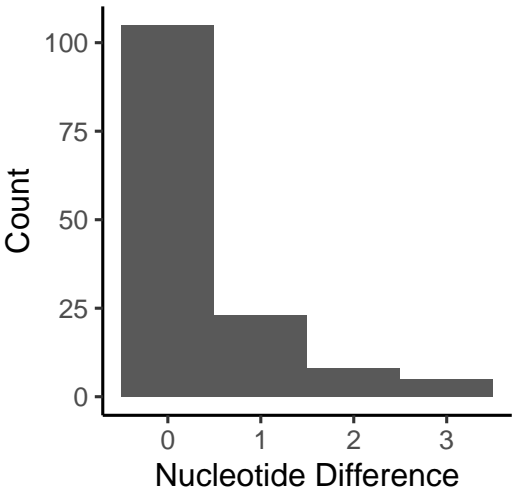
TRBV6-7*01

14 sequences assigned
10 (71.4%) exact matches, in which:
10 unique CDR3
5 unique J



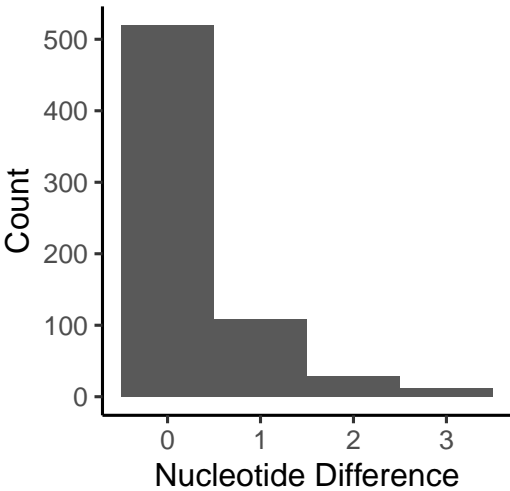
TRBV6-4*01

141 sequences assigned
105 (74.5%) exact matches, in which:
100 unique CDR3
13 unique J



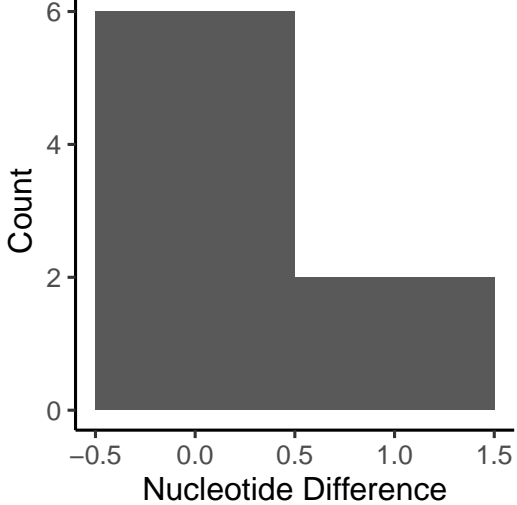
TRBV6-6*01

669 sequences assigned
520 (77.7%) exact matches, in which:
492 unique CDR3
13 unique J



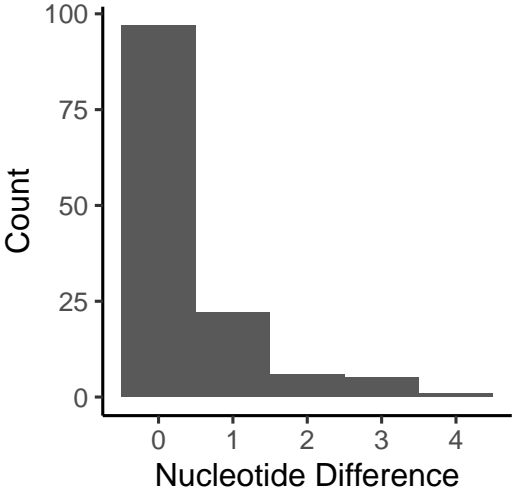
TRBV6-8*01

8 sequences assigned
6 (75%) exact matches, in which:
6 unique CDR3
5 unique J



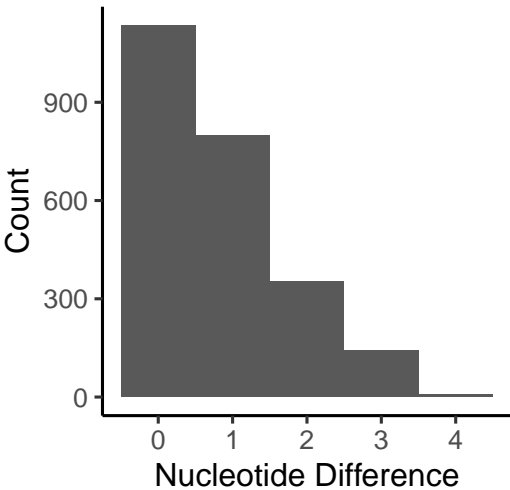
TRBV6-4*02

131 sequences assigned
97 (74%) exact matches, in which:
95 unique CDR3
12 unique J



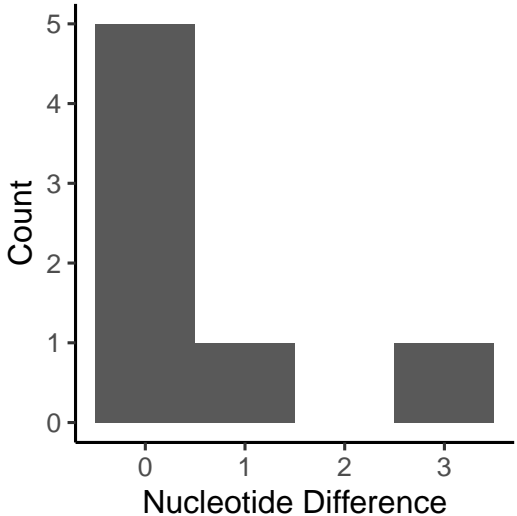
TRBV6-6*02

2439 sequences assigned
1135 (46.5%) exact matches, in which:
647 unique CDR3
13 unique J



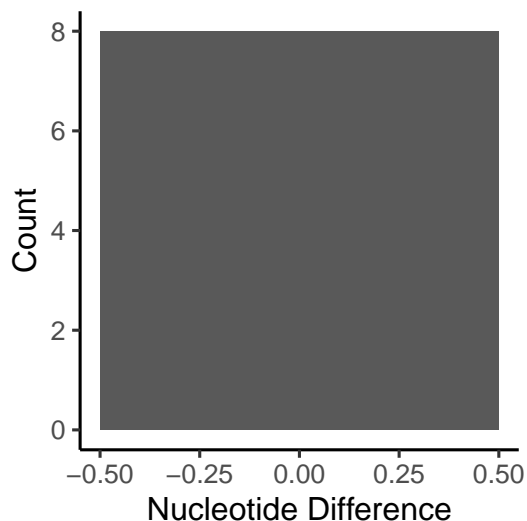
TRBV6-9*01

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
5 unique J



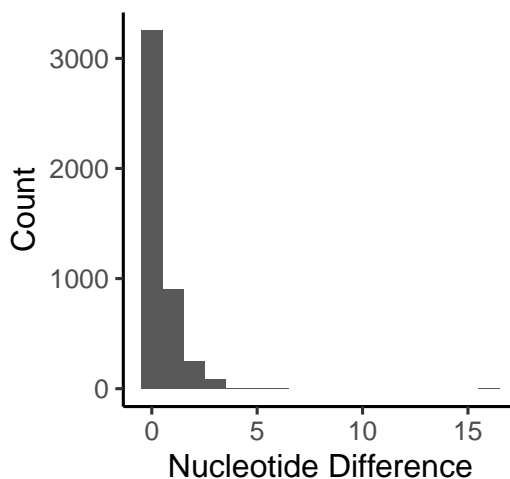
TRBV6-9*01_A303G

8 sequences assigned
8 (100%) exact matches, in which:
8 unique CDR3
4 unique J



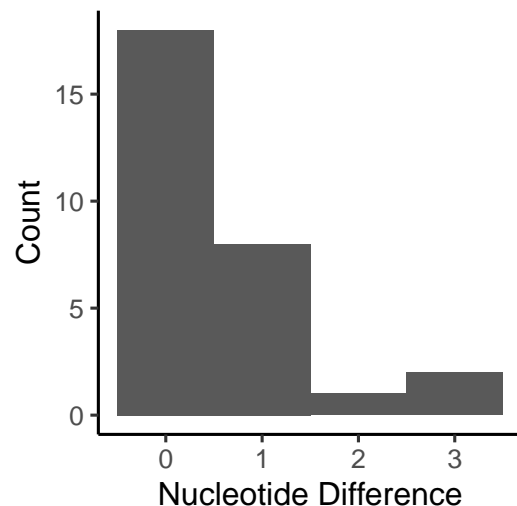
TRBV7-2*01

4499 sequences assigned
3254 (72.3%) exact matches, in which:
3011 unique CDR3
14 unique J



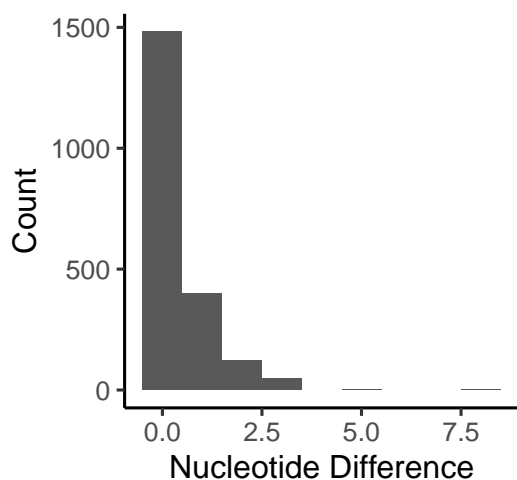
TRBV7-4*01

29 sequences assigned
18 (62.1%) exact matches, in which:
17 unique CDR3
7 unique J



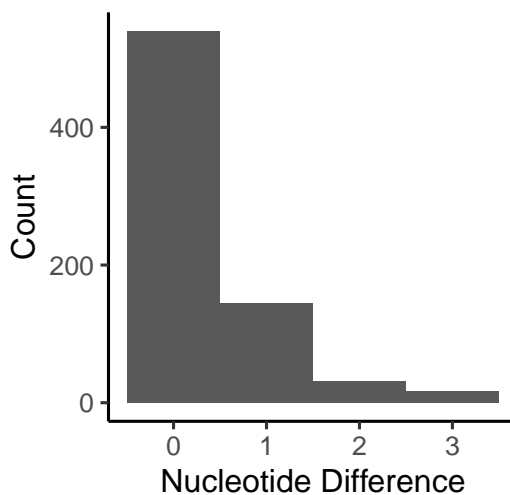
TRBV6-23*01

2052 sequences assigned
1482 (72.2%) exact matches, in which:
1375 unique CDR3
14 unique J



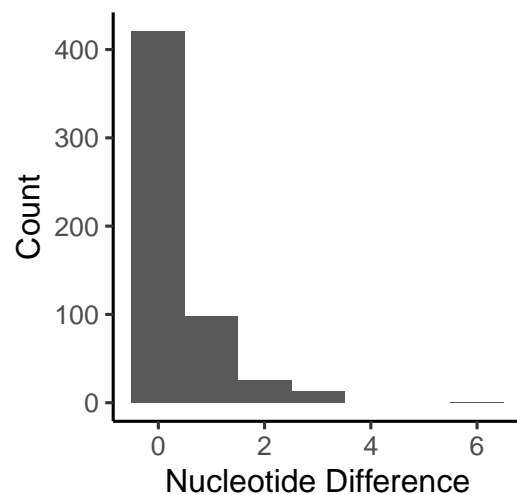
TRBV7-3*01

732 sequences assigned
540 (73.8%) exact matches, in which:
512 unique CDR3
13 unique J



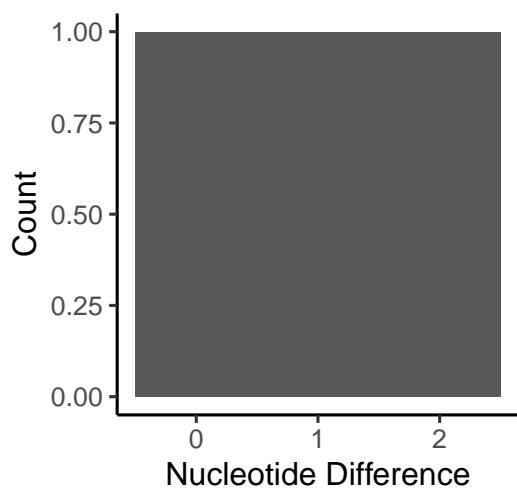
TRBV7-6*01

560 sequences assigned
421 (75.2%) exact matches, in which:
391 unique CDR3
14 unique J



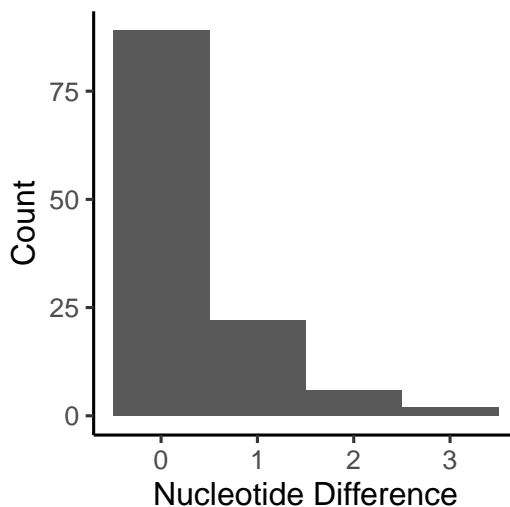
TRBV7-1*01

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



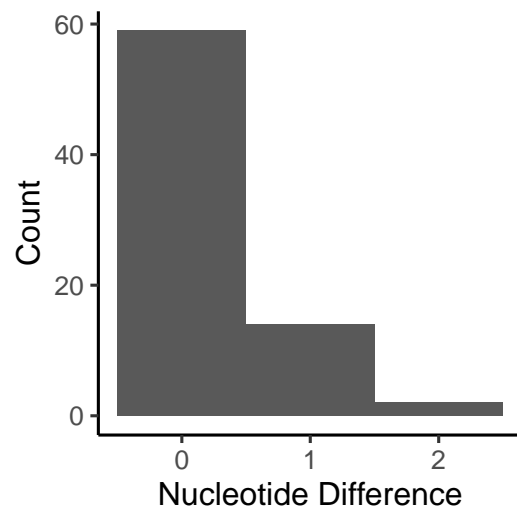
TRBV7-3*03

119 sequences assigned
89 (74.8%) exact matches, in which:
87 unique CDR3
13 unique J



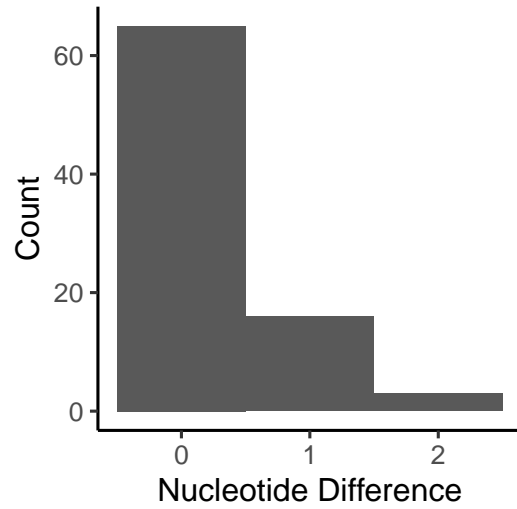
TRBV7-7*01

75 sequences assigned
59 (78.7%) exact matches, in which:
57 unique CDR3
12 unique J



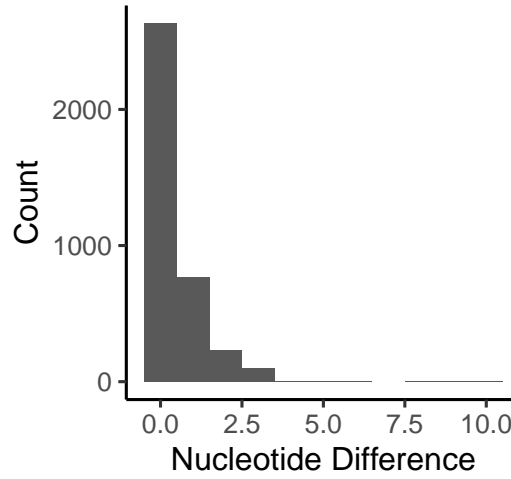
TRBV7-7*01_C315T

84 sequences assigned
65 (77.4%) exact matches, in which:
63 unique CDR3
10 unique J



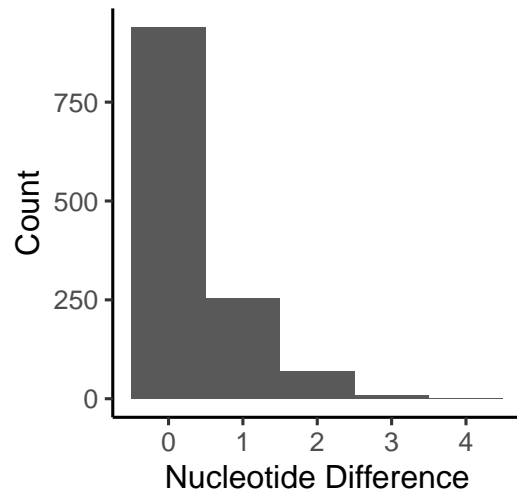
TRBV29-1*01

3732 sequences assigned
2632 (70.5%) exact matches, in which:
2374 unique CDR3
14 unique J



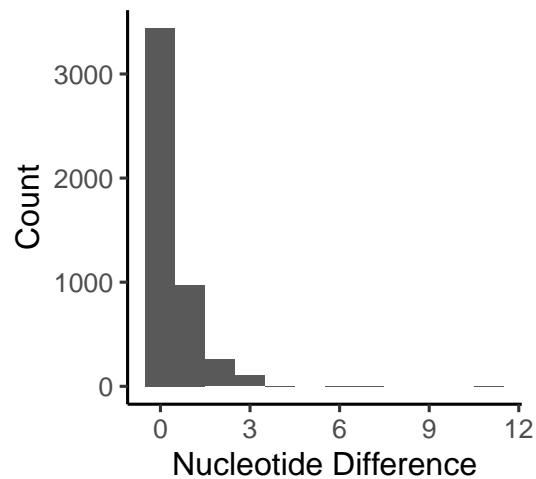
TRBV7-8*01

1273 sequences assigned
940 (73.8%) exact matches, in which:
851 unique CDR3
14 unique J

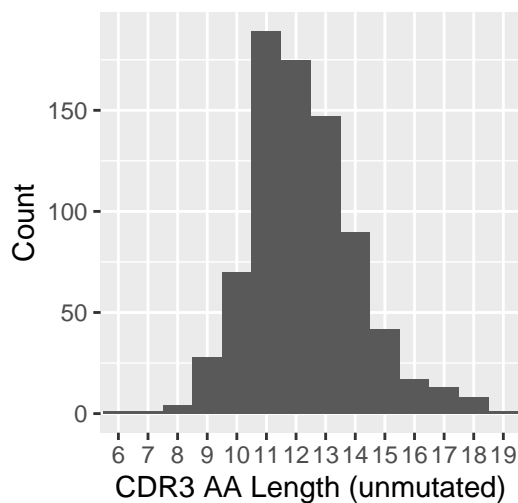


TRBV7-9*03

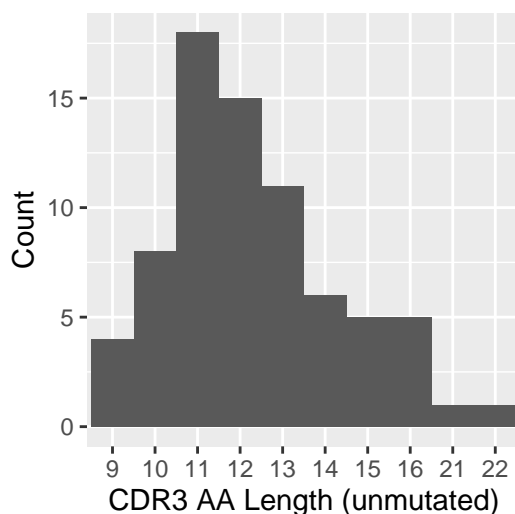
4782 sequences assigned
3441 (72%) exact matches, in which:
3192 unique CDR3
14 unique J



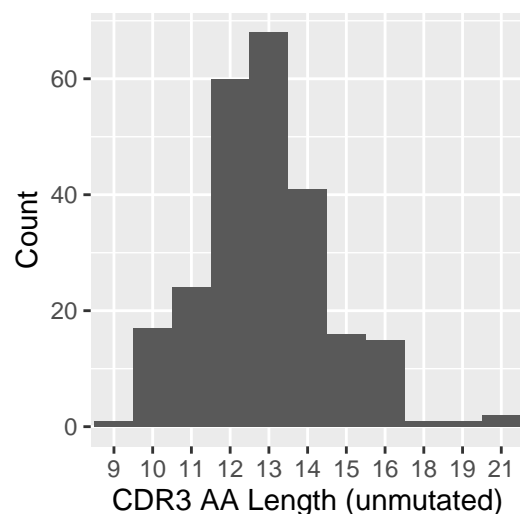
TRBV10-3*03_313GCCATC



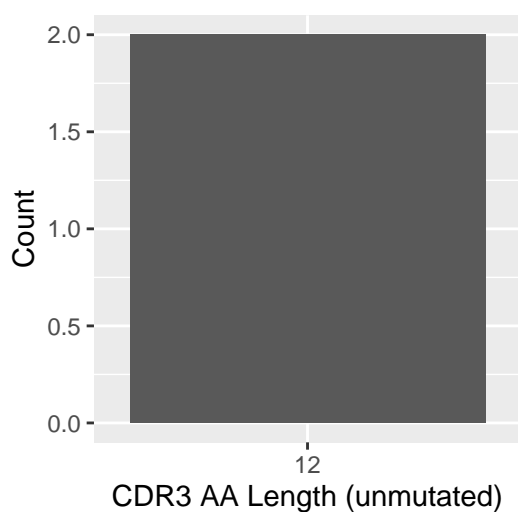
TRBV12-5*01_C28G



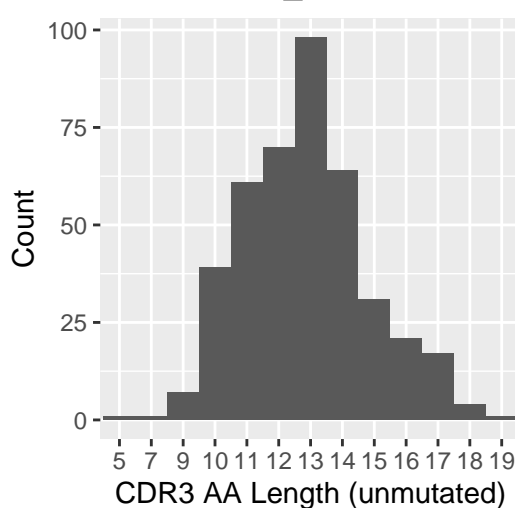
TRBV5-5*02_322TTGG325



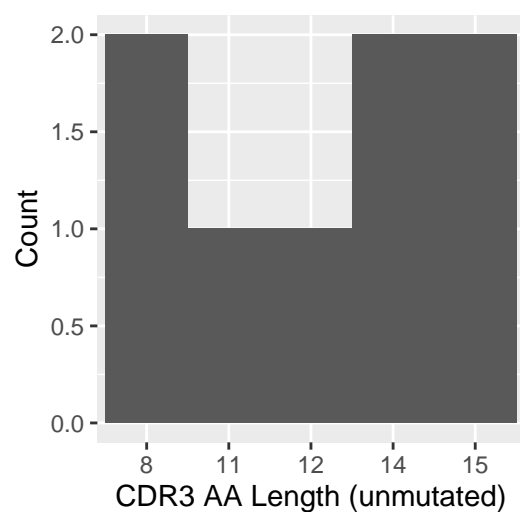
TRBV12-1*01_C165A



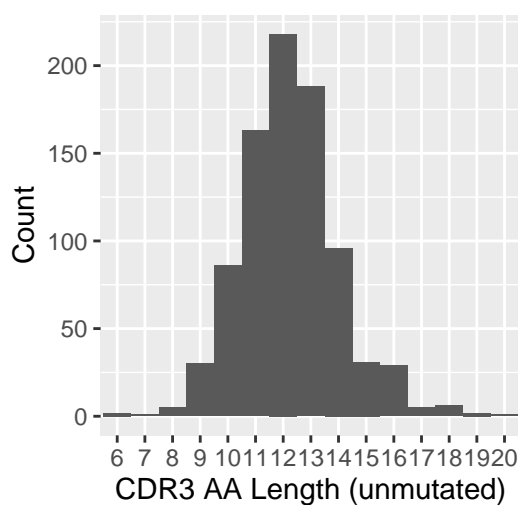
TRBV14*02_322CAAGA326



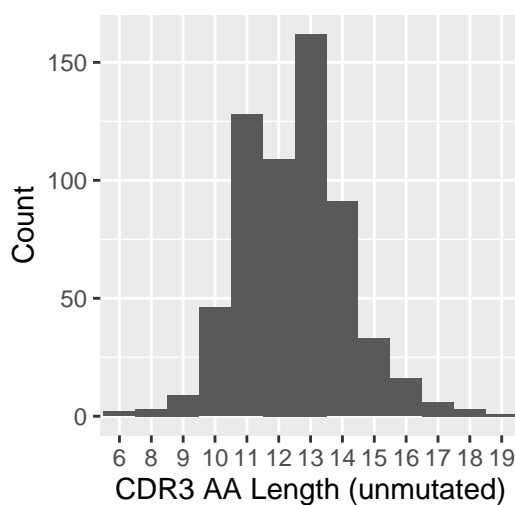
TRBV6-9*01_A303G



TRBV12-4*01_C87T



TRBV19*01_A24G



TRBV7-7*01_C315T

