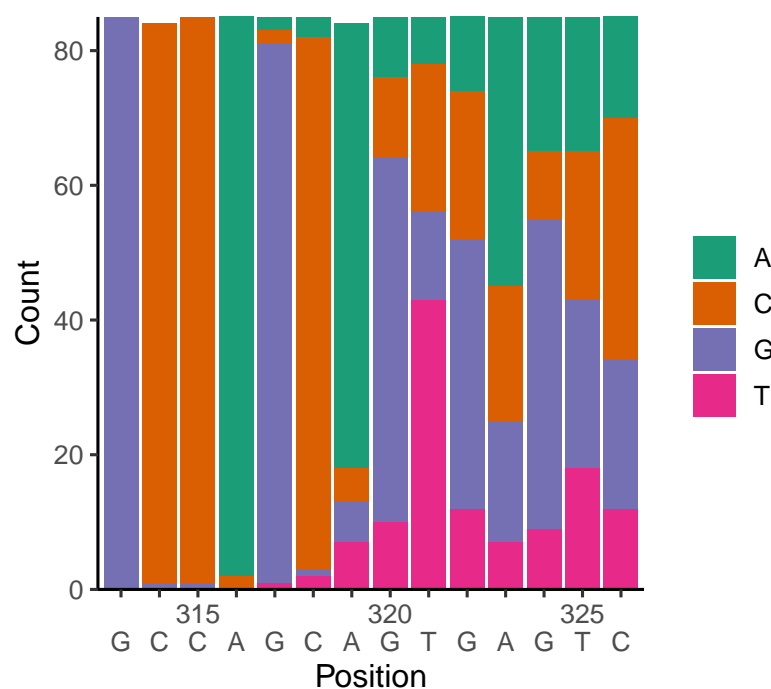
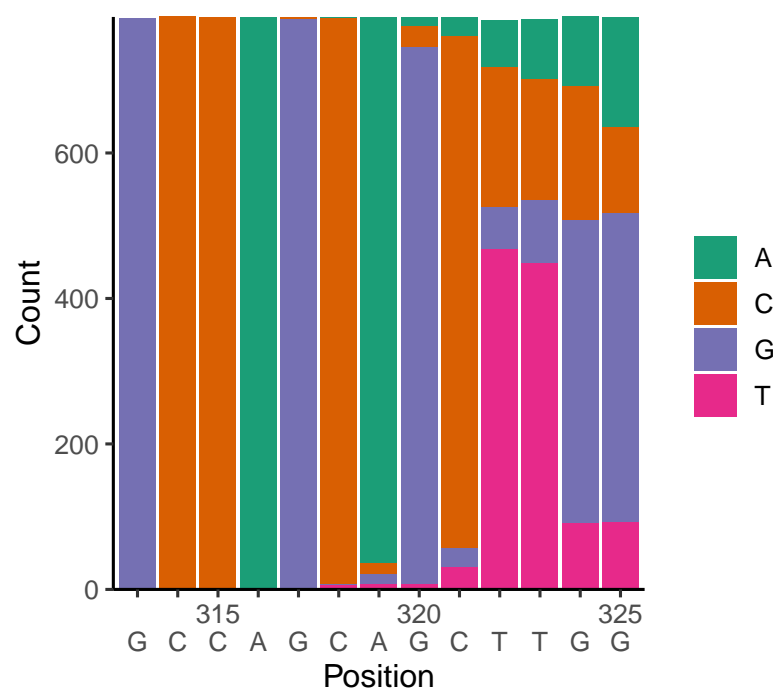


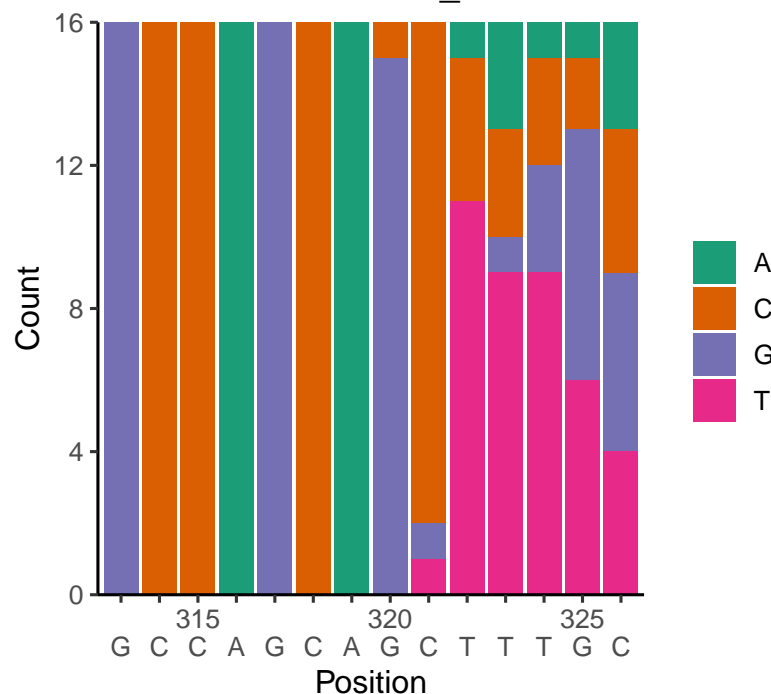
Gene TRBV10-1*02_G274T



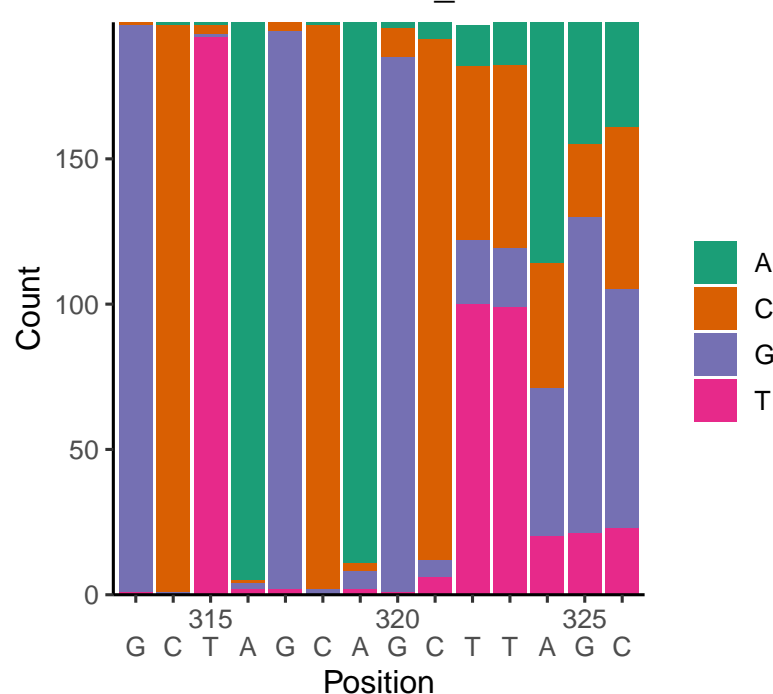
Gene TRBV5-5*02_322TTGG325



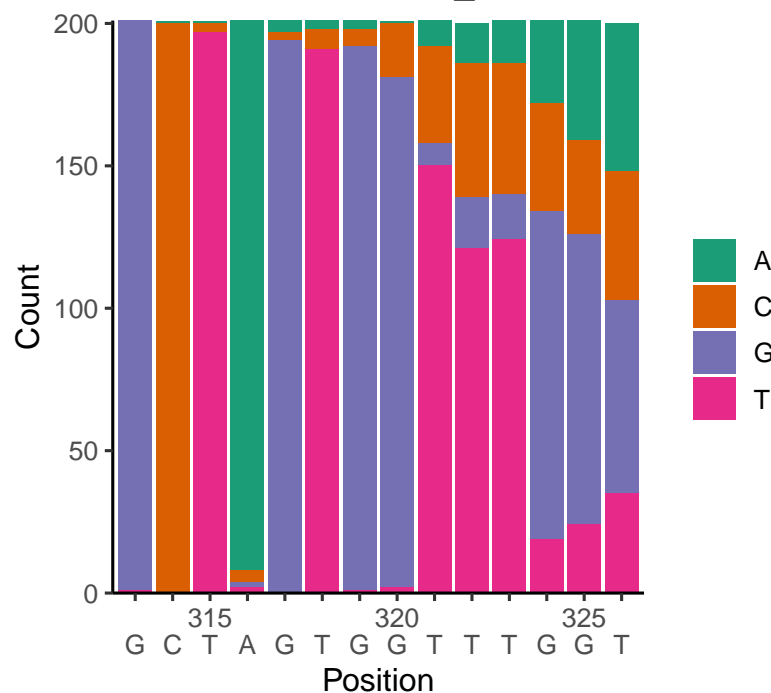
Gene TRBV12-1*01_C165A



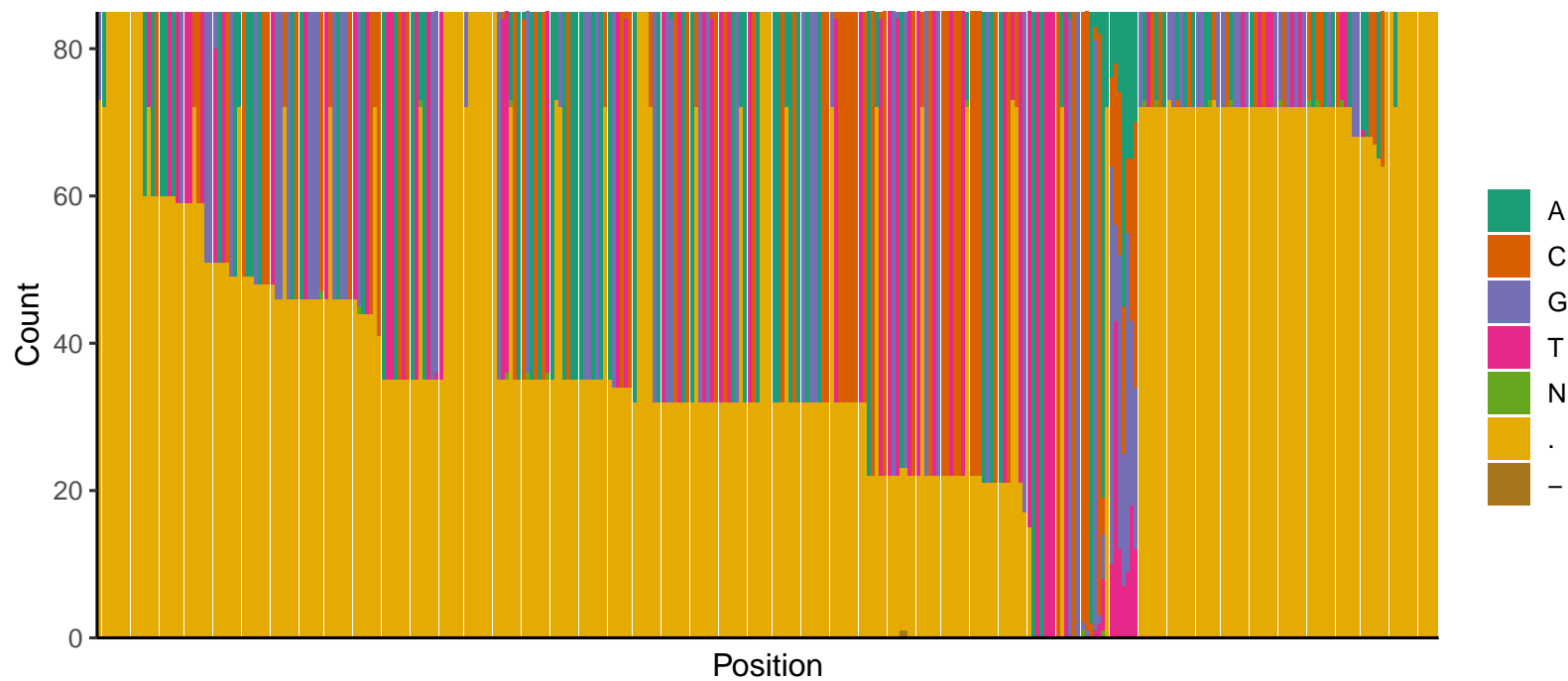
Gene TRBV7-7*01_C315T



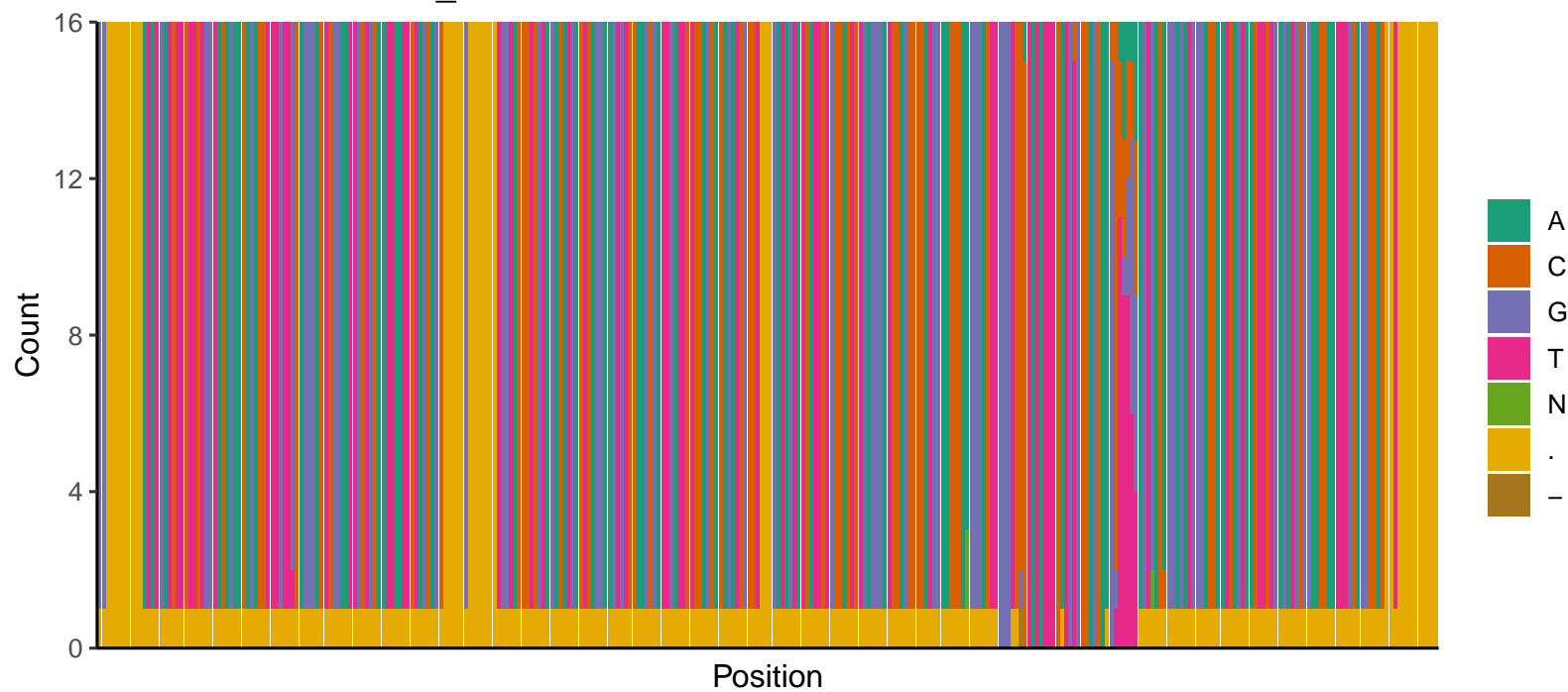
Gene TRBV12-5*01_C28G



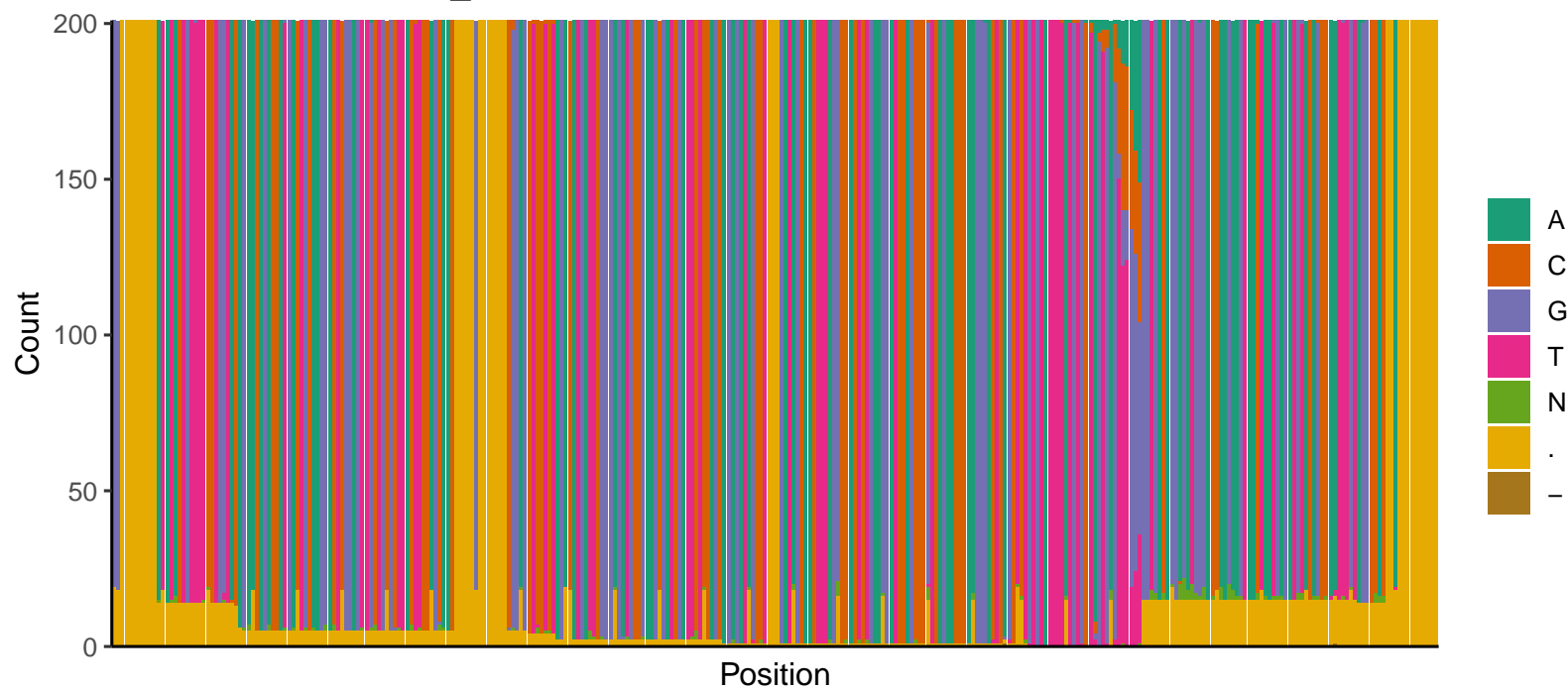
Gene TRBV10-1*02_G274T



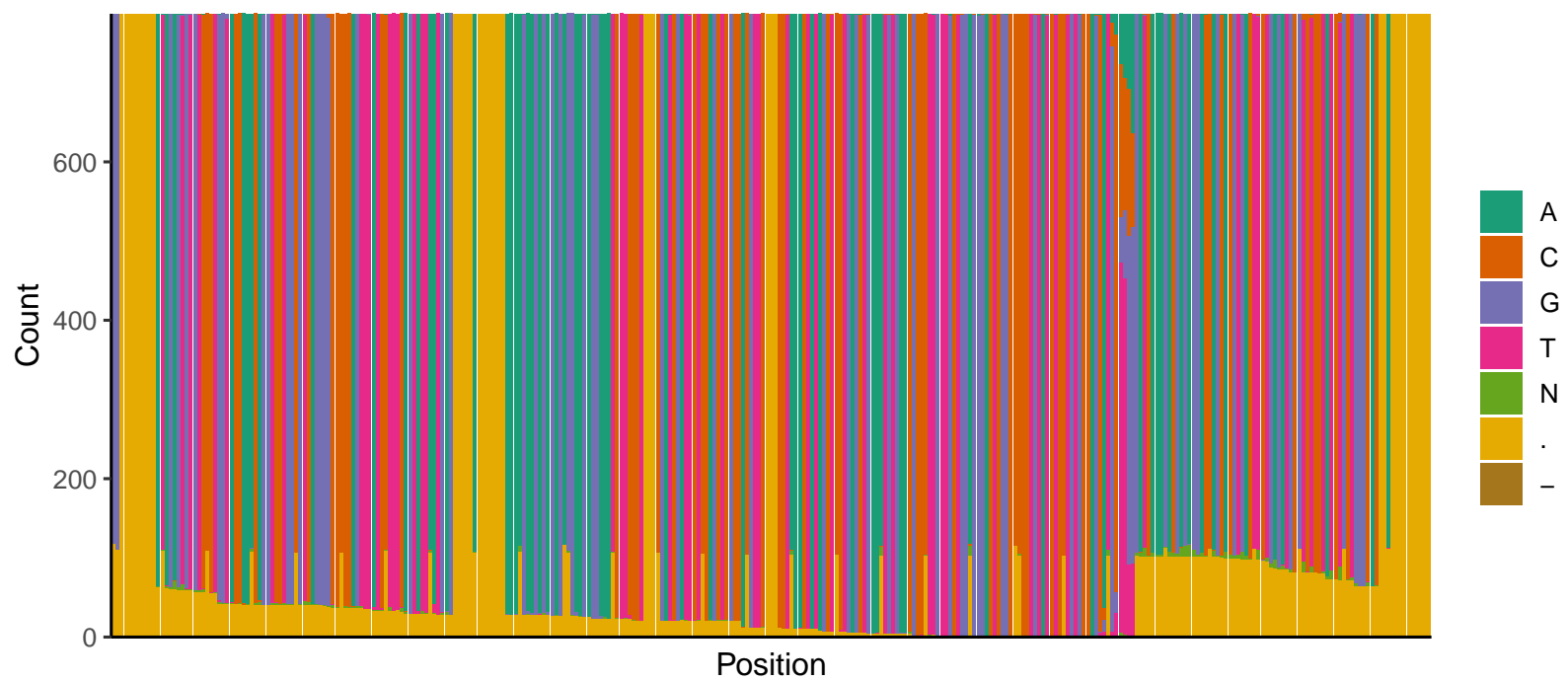
Gene TRBV12-1*01_C165A



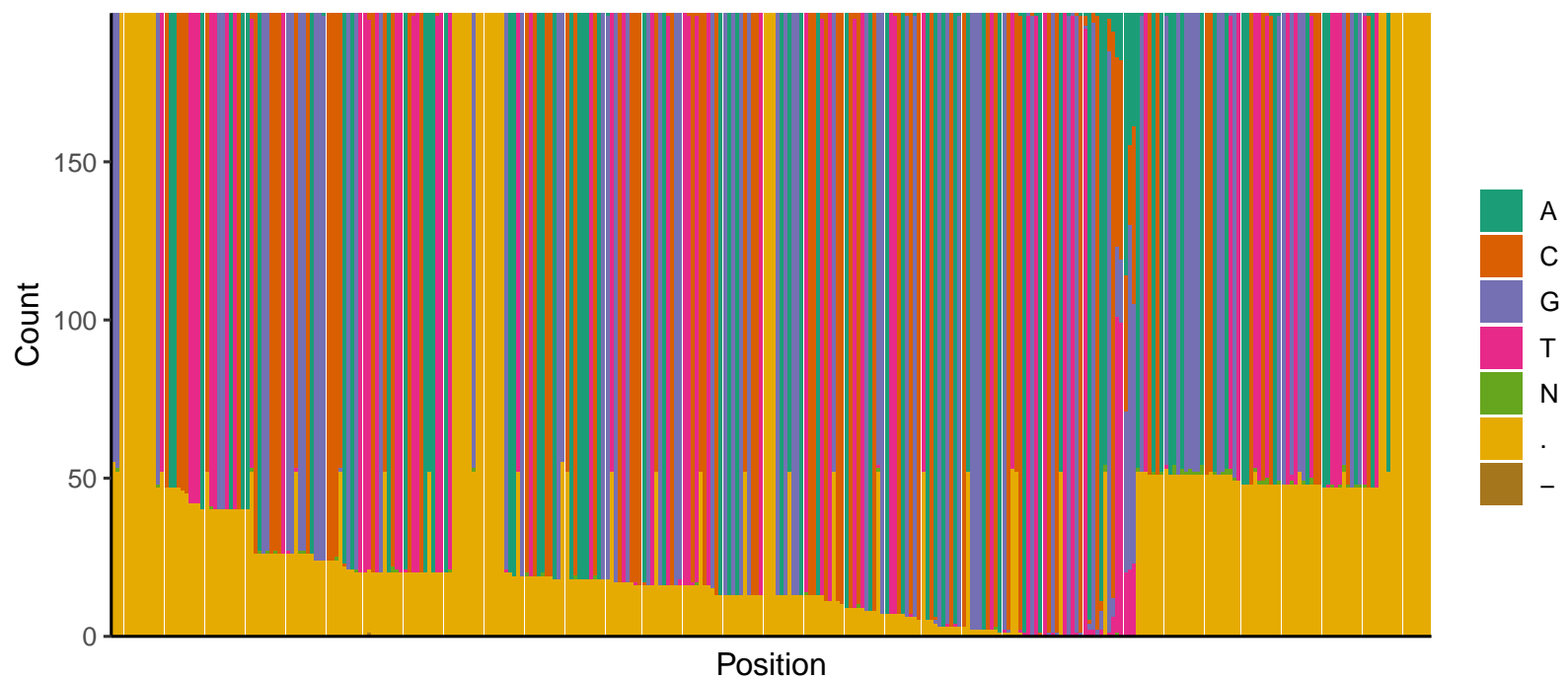
Gene TRBV12-5*01_C28G



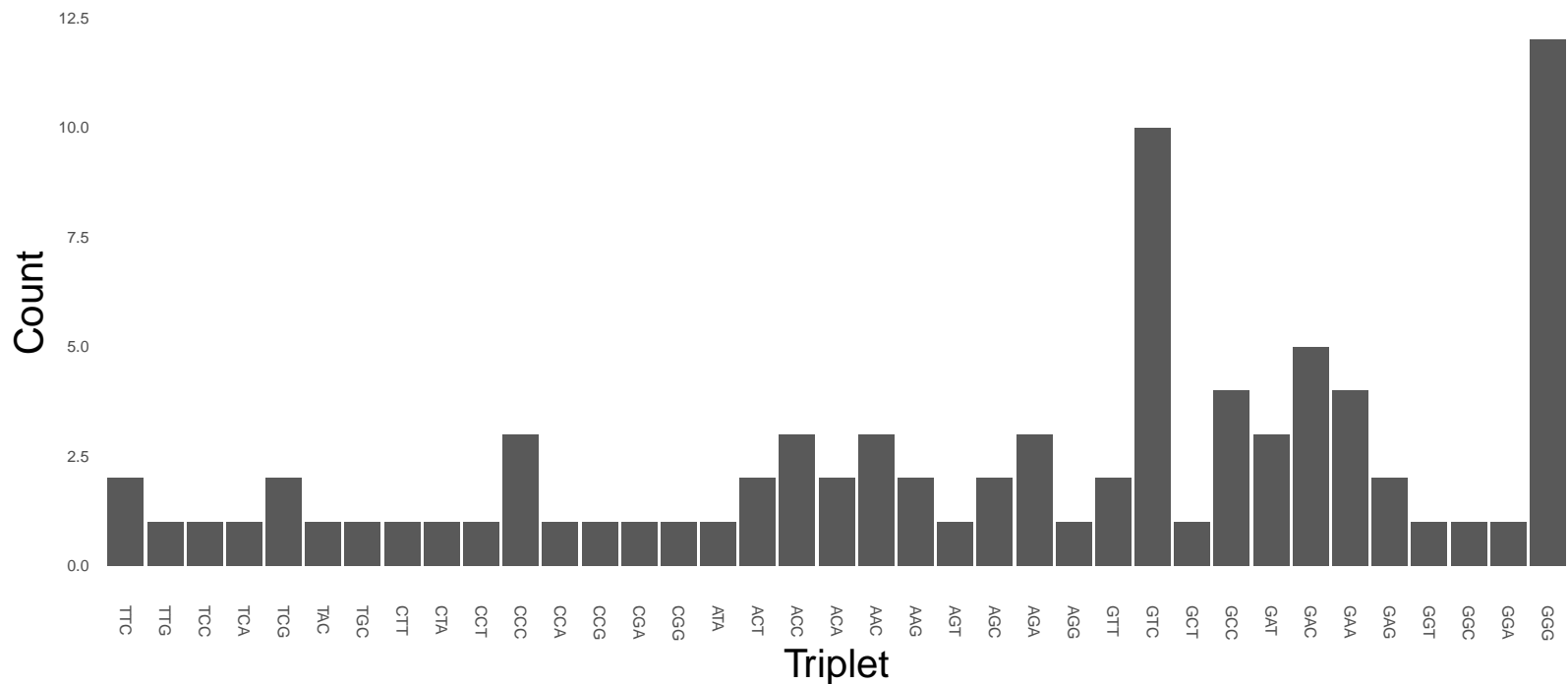
Gene TRBV5-5*02_322TTGG325



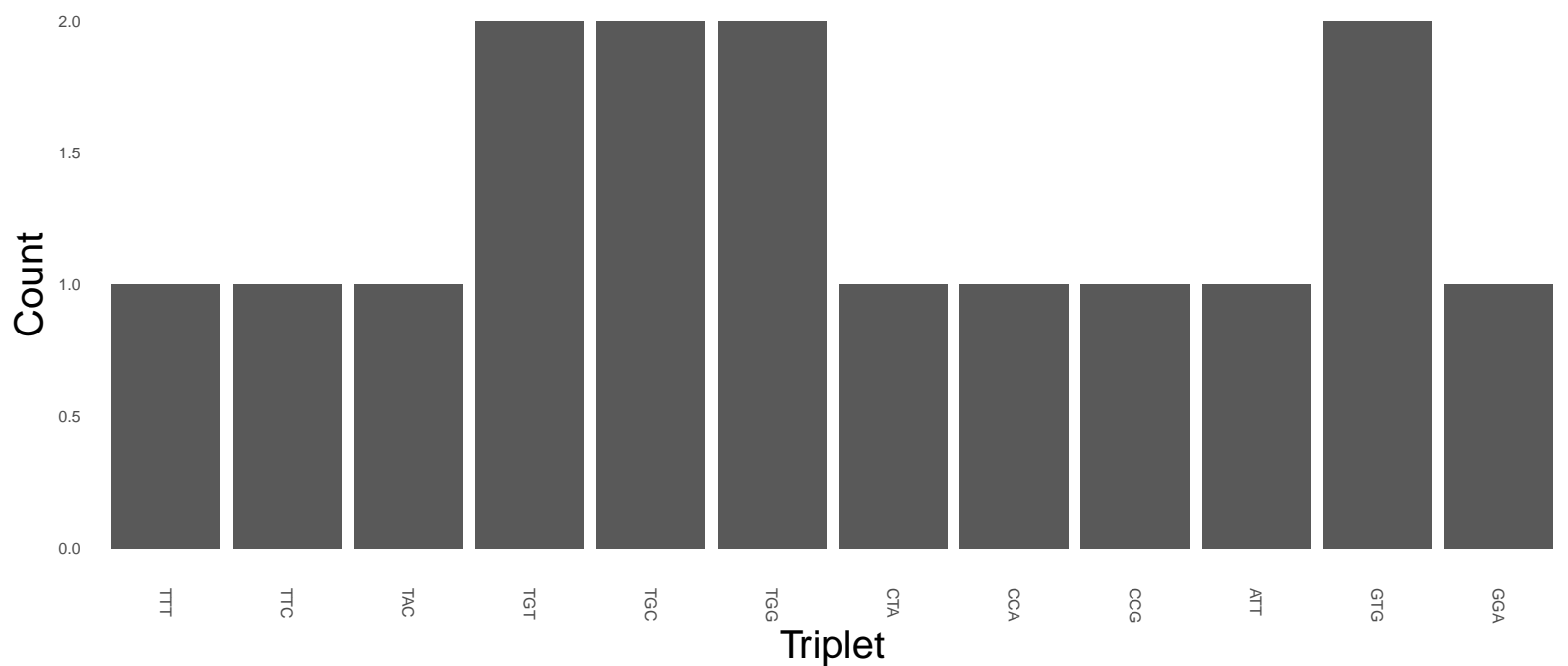
Gene TRBV7-7*01_C315T



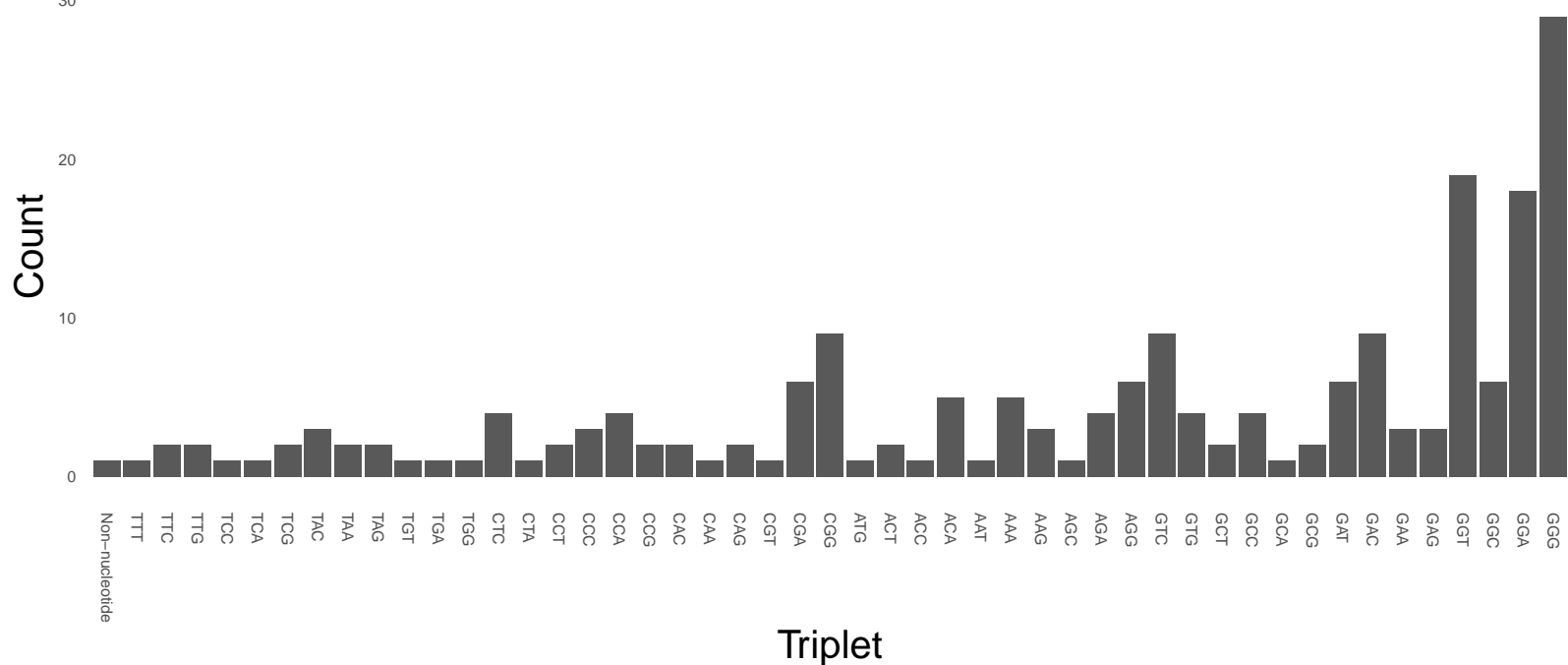
TRBV10-1*02_G274T- Final 3 nucleotides as a triplet



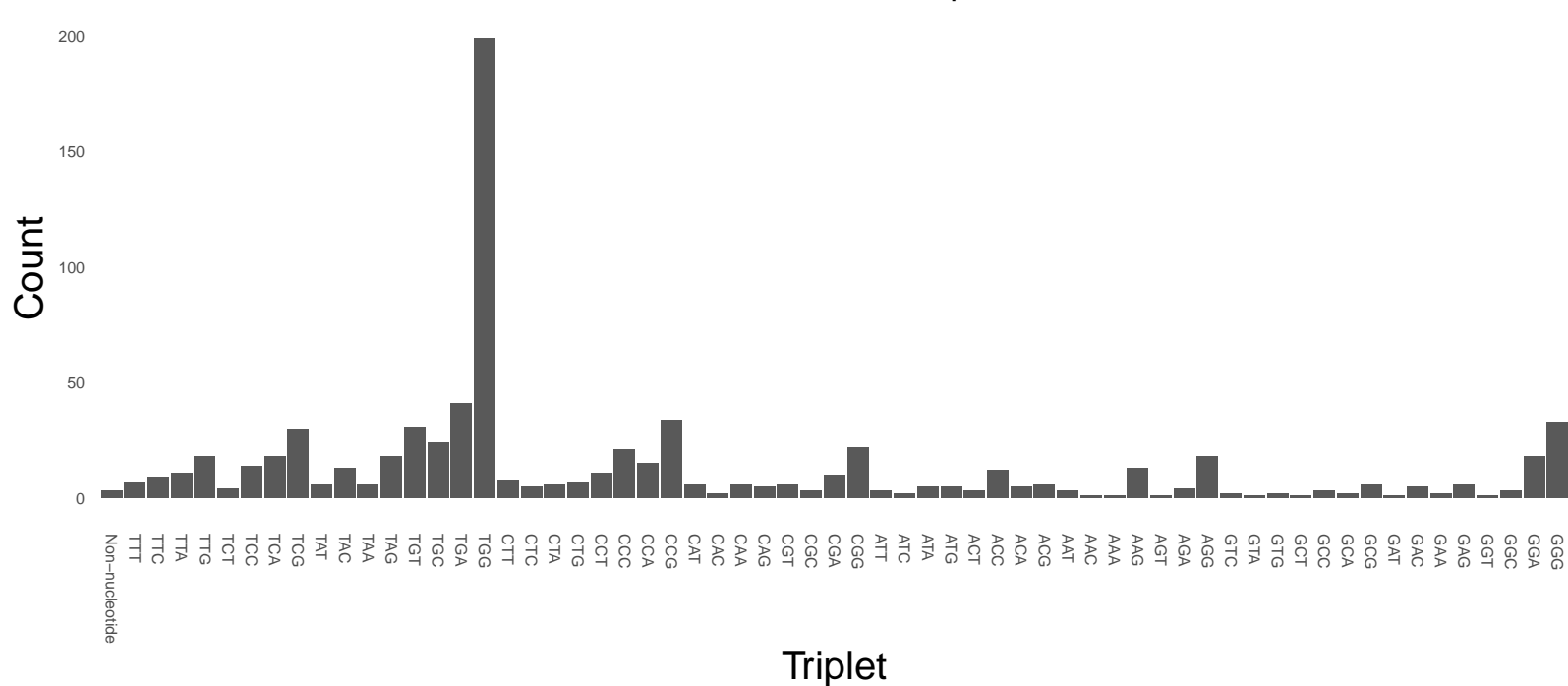
TRBV12-1*01_C165A- Final 3 nucleotides as a triplet



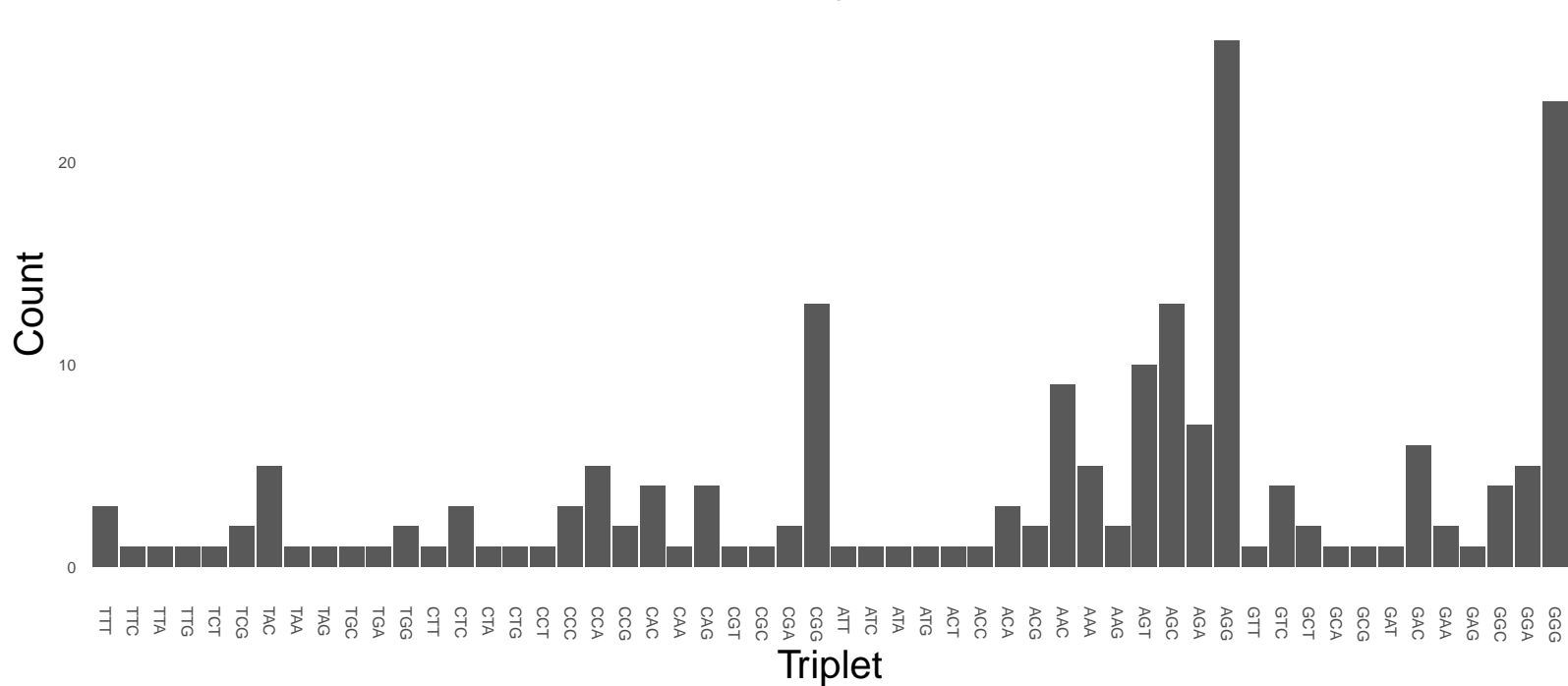
TRBV12-5*01_C28G- Final 3 nucleotides as a triplet



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

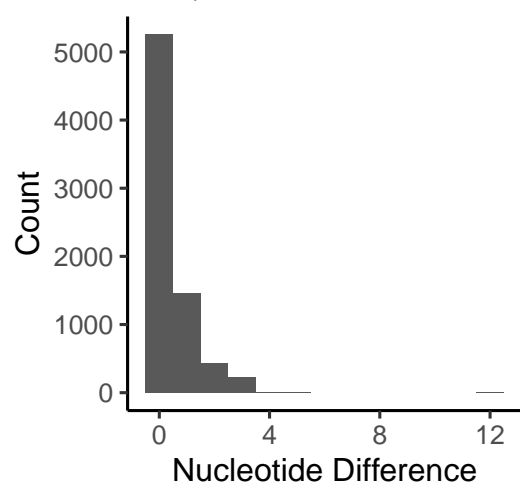


TRBV7–7*01_C315T– Final 3 nucleotides as a triplet



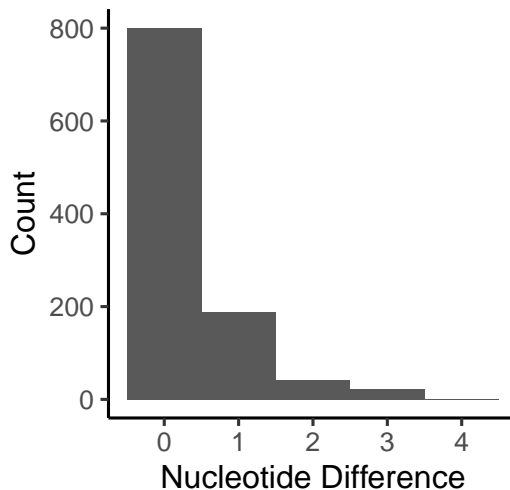
TRBV20-1*01

7394 sequences assigned
5257 (71.1%) exact matches, in which:
5069 unique CDR3
14 unique J



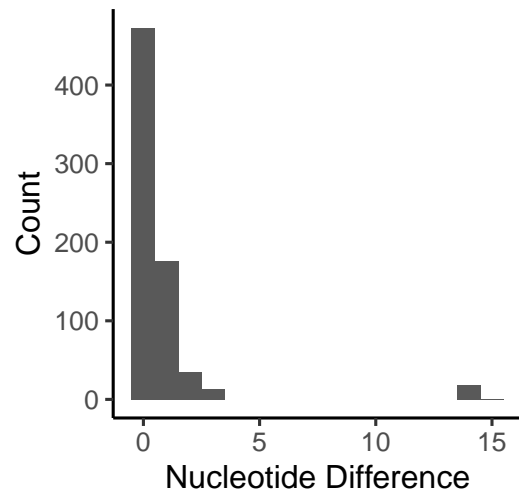
TRBV10-3*01

1055 sequences assigned
801 (75.9%) exact matches, in which:
753 unique CDR3
13 unique J



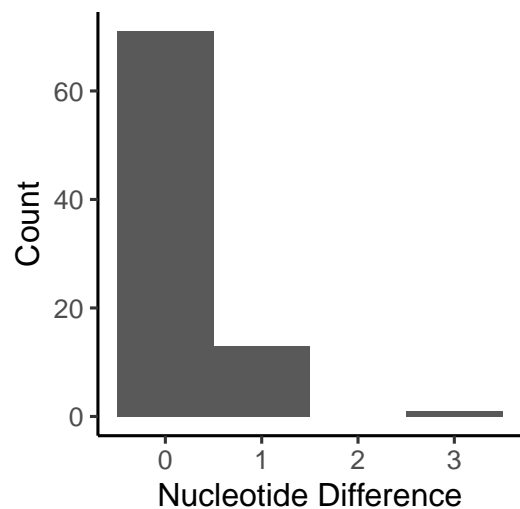
TRBV13*01

716 sequences assigned
473 (66.1%) exact matches, in which:
429 unique CDR3
14 unique J



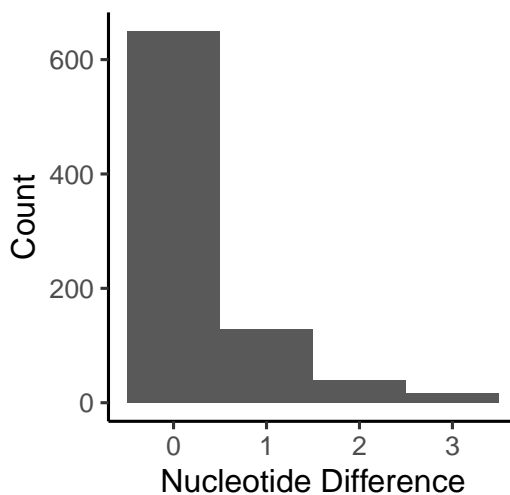
TRBV10-1*02_G274T

85 sequences assigned
71 (83.5%) exact matches, in which:
69 unique CDR3
14 unique J



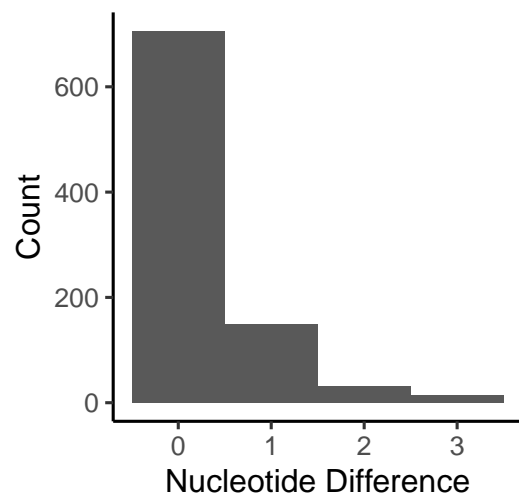
TRBV10-3*02

834 sequences assigned
650 (77.9%) exact matches, in which:
625 unique CDR3
14 unique J



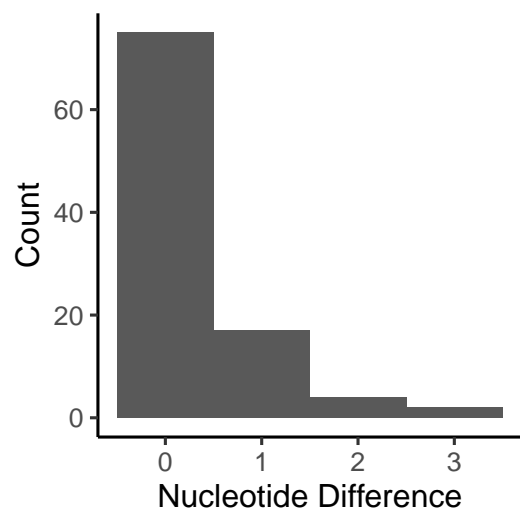
TRBV14*01

903 sequences assigned
706 (78.2%) exact matches, in which:
668 unique CDR3
14 unique J



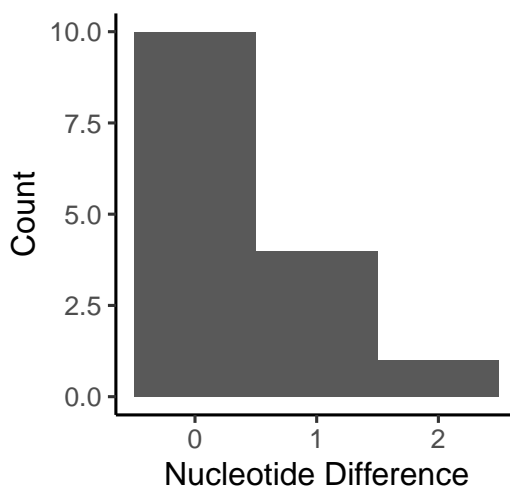
TRBV10-2*01

98 sequences assigned
75 (76.5%) exact matches, in which:
74 unique CDR3
14 unique J



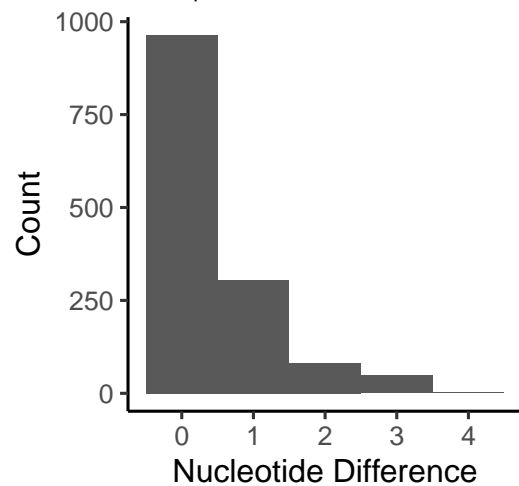
TRBV1*01

15 sequences assigned
10 (66.7%) exact matches, in which:
10 unique CDR3
8 unique J



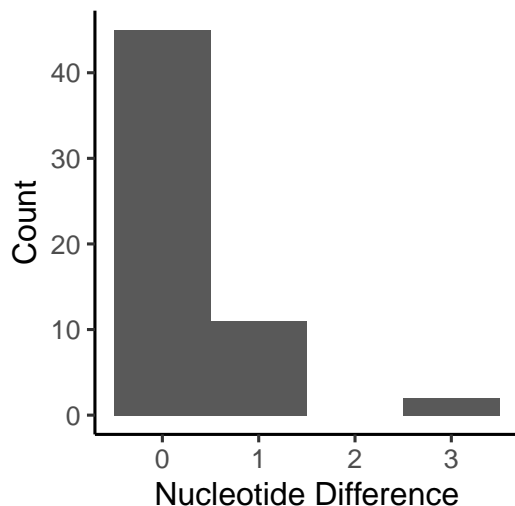
TRBV15*02

1401 sequences assigned
964 (68.8%) exact matches, in which:
873 unique CDR3
14 unique J



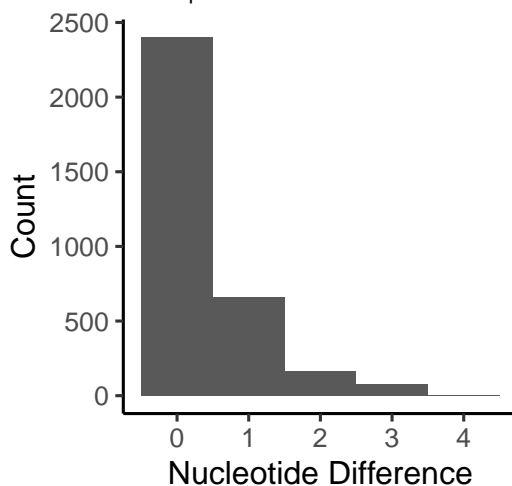
TRBV16*01

58 sequences assigned
45 (77.6%) exact matches, in which:
43 unique CDR3
11 unique J



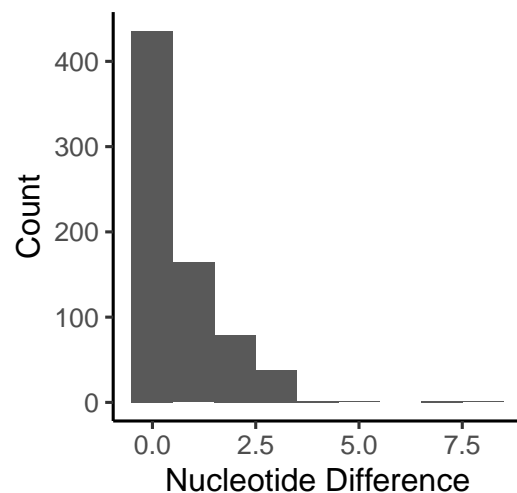
TRBV2*01

3306 sequences assigned
2400 (72.6%) exact matches, in which:
2163 unique CDR3
14 unique J



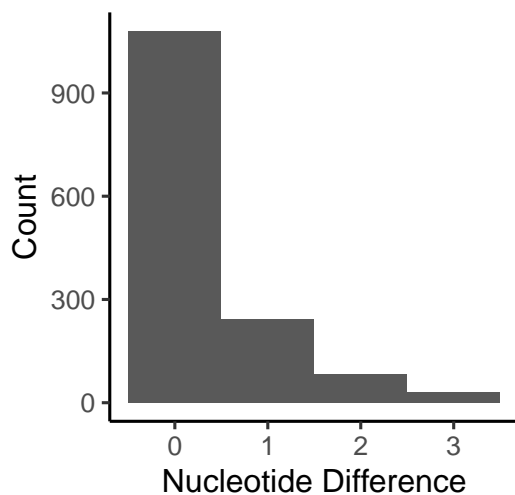
TRBV30*01

723 sequences assigned
436 (60.3%) exact matches, in which:
386 unique CDR3
14 unique J



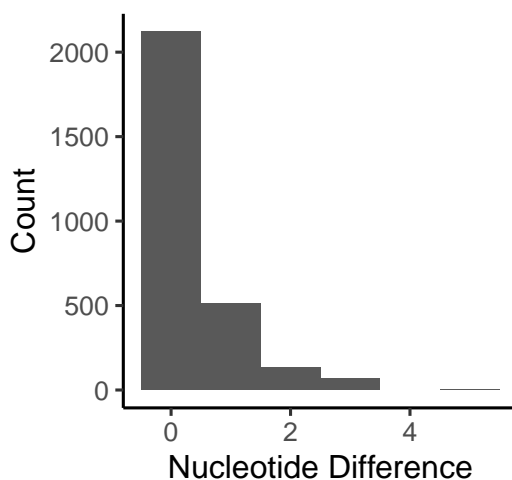
TRBV18*01

1438 sequences assigned
1080 (75.1%) exact matches, in which:
972 unique CDR3
14 unique J



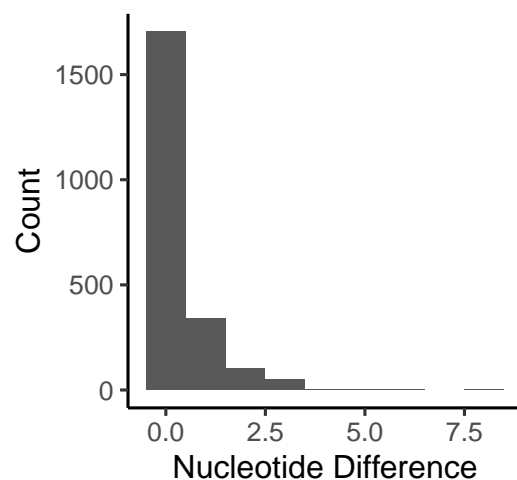
TRBV27*01

2835 sequences assigned
2121 (74.8%) exact matches, in which:
1976 unique CDR3
14 unique J



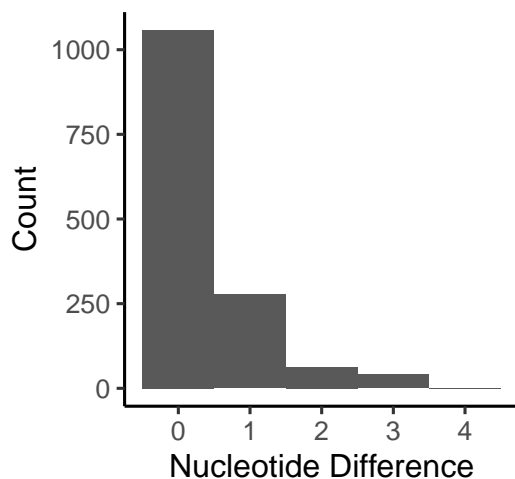
TRBV9*01

2206 sequences assigned
1704 (77.2%) exact matches, in which:
1638 unique CDR3
14 unique J



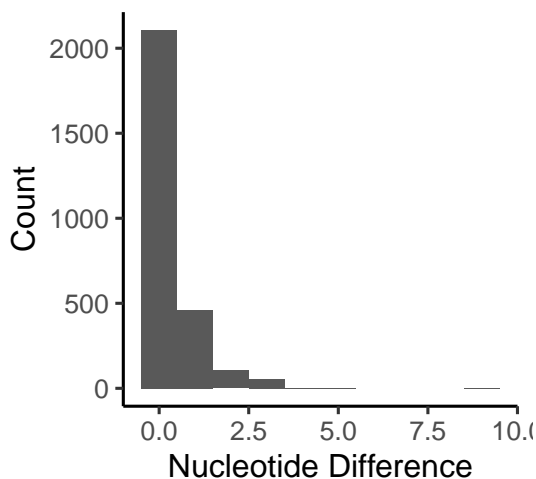
TRBV19*01

1440 sequences assigned
1058 (73.5%) exact matches, in which:
955 unique CDR3
14 unique J



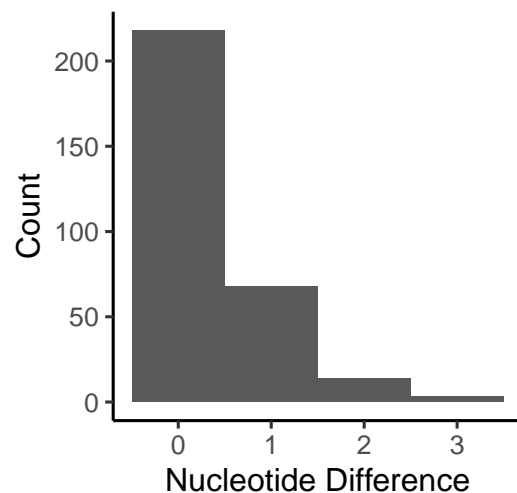
TRBV28*01

2727 sequences assigned
2107 (77.3%) exact matches, in which:
2017 unique CDR3
14 unique J



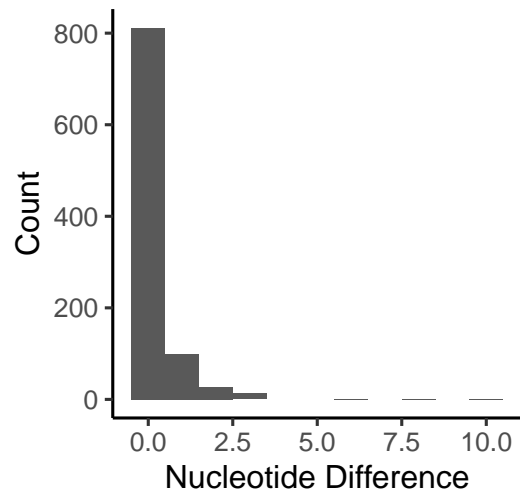
TRBV11-1*01

303 sequences assigned
218 (71.9%) exact matches, in which:
215 unique CDR3
14 unique J



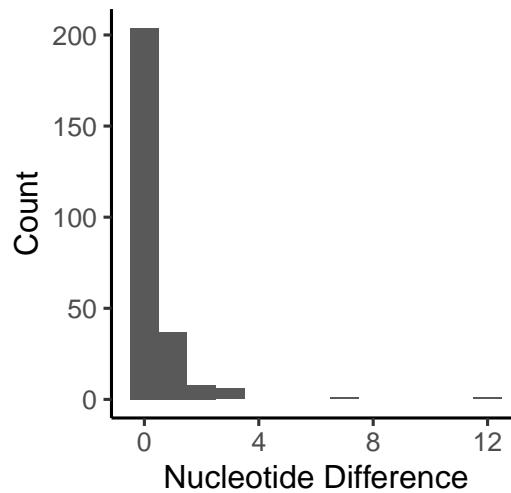
TRBV21-1*01

955 sequences assigned
812 (85%) exact matches, in which:
788 unique CDR3
14 unique J



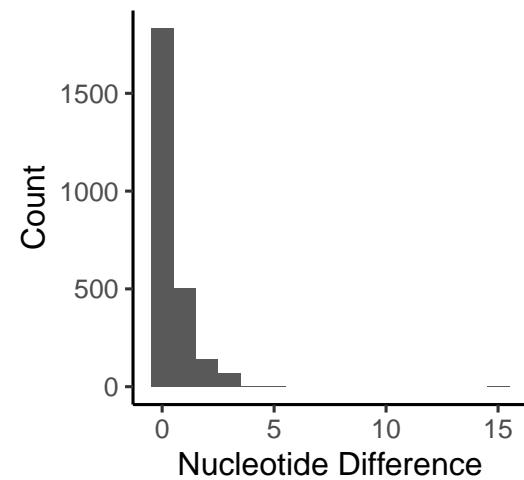
TRBV11-3*01

257 sequences assigned
204 (79.4%) exact matches, in which:
193 unique CDR3
14 unique J



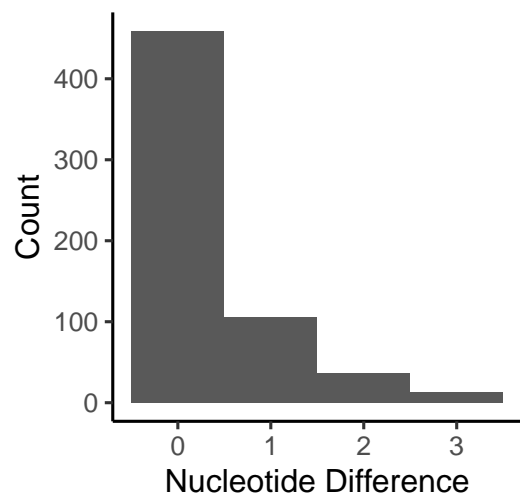
TRBV12-3*01

2549 sequences assigned
1832 (71.9%) exact matches, in which:
1715 unique CDR3
14 unique J



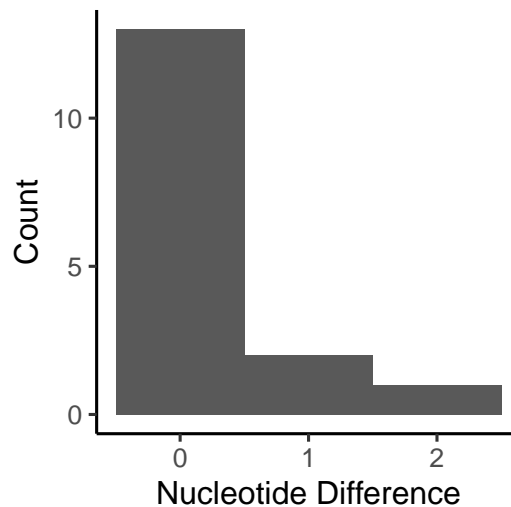
TRBV11-2*01

614 sequences assigned
459 (74.8%) exact matches, in which:
444 unique CDR3
14 unique J



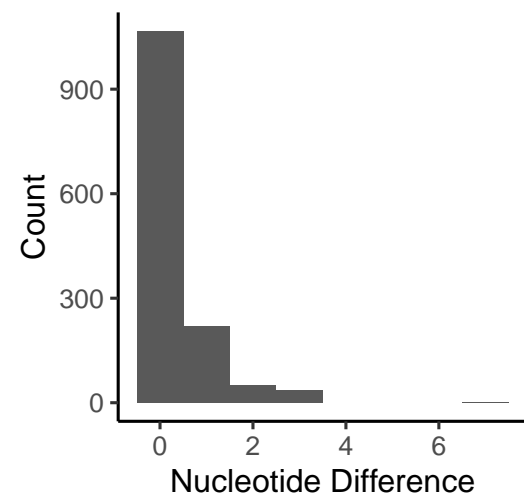
TRBV12-1*01_C165A

16 sequences assigned
13 (81.2%) exact matches, in which:
13 unique CDR3
8 unique J



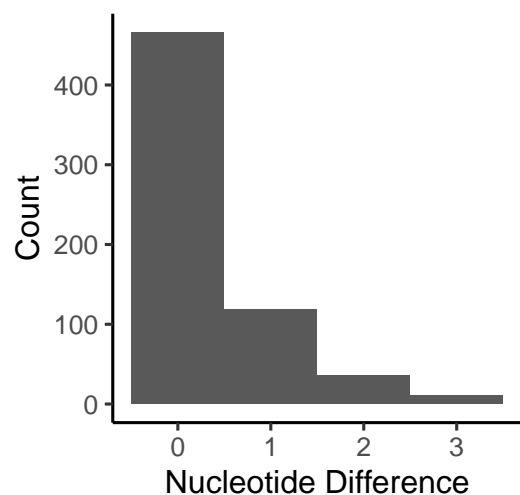
TRBV12-4*01

1377 sequences assigned
1067 (77.5%) exact matches, in which:
1038 unique CDR3
14 unique J



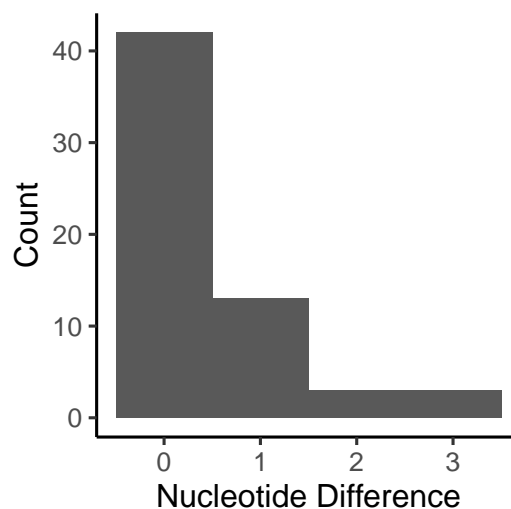
TRBV11-2*03

631 sequences assigned
466 (73.9%) exact matches, in which:
445 unique CDR3
13 unique J



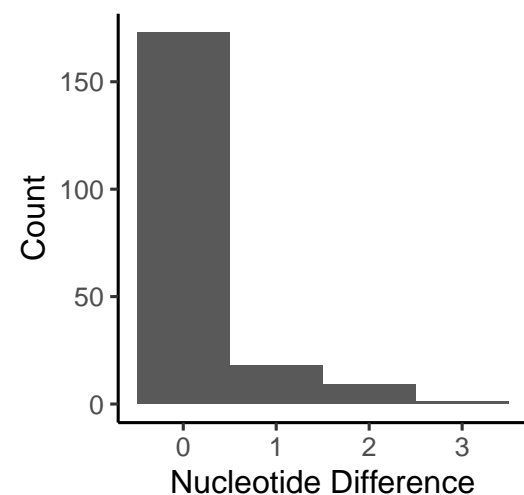
TRBV12-2*01

62 sequences assigned
42 (67.7%) exact matches, in which:
42 unique CDR3
13 unique J



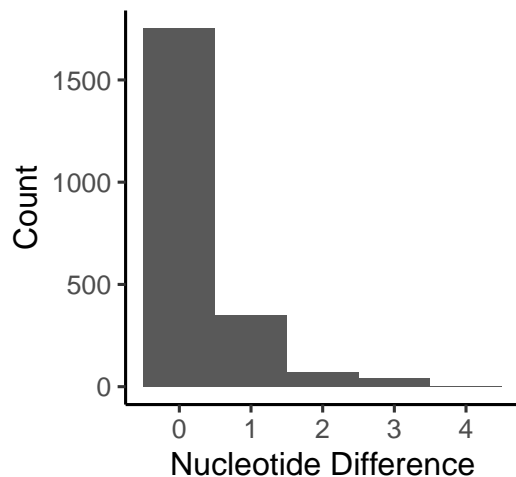
TRBV12-5*01_C28G

201 sequences assigned
173 (86.1%) exact matches, in which:
161 unique CDR3
12 unique J



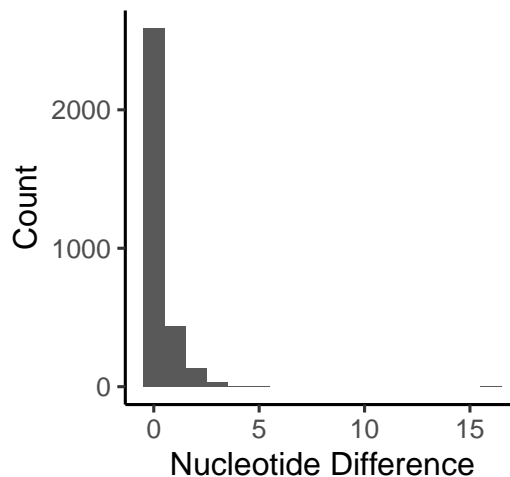
TRBV3-1*01

2221 sequences assigned
1752 (78.9%) exact matches, in which:
1680 unique CDR3
14 unique J



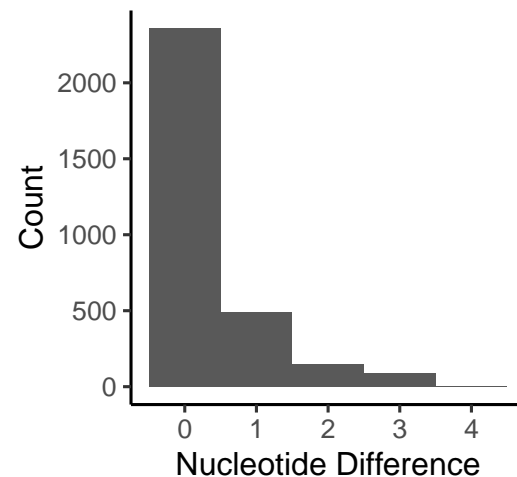
TRBV4-1*01

3197 sequences assigned
2588 (81%) exact matches, in which:
2450 unique CDR3
14 unique J



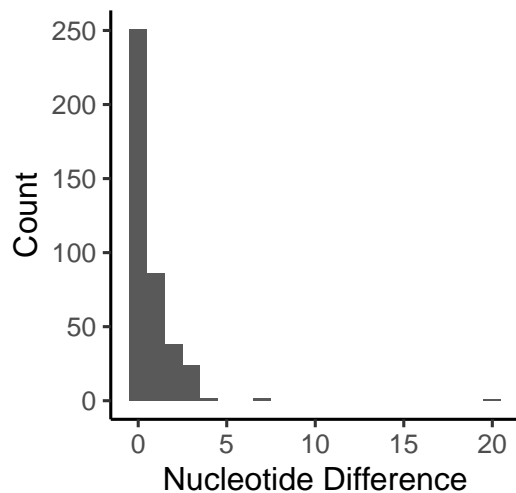
TRBV4-3*01

3083 sequences assigned
2358 (76.5%) exact matches, in which:
2247 unique CDR3
14 unique J



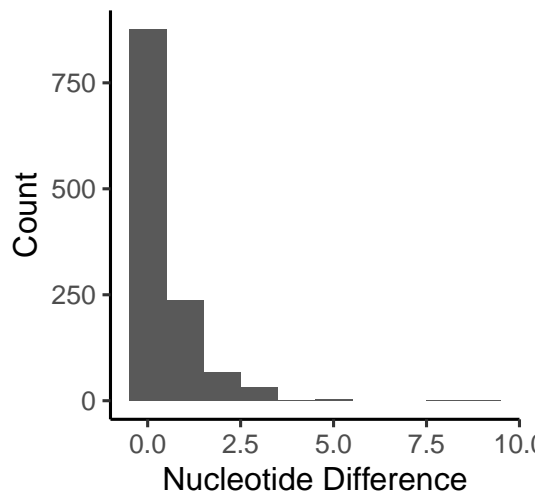
TRBV23-1*01

404 sequences assigned
251 (62.1%) exact matches, in which:
236 unique CDR3
14 unique J



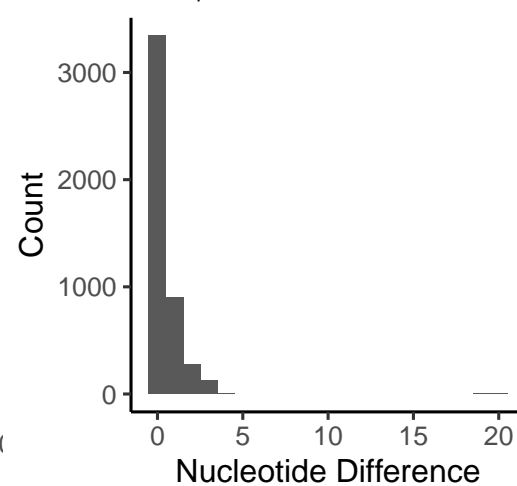
TRBV24-1*01

1223 sequences assigned
877 (71.7%) exact matches, in which:
827 unique CDR3
14 unique J



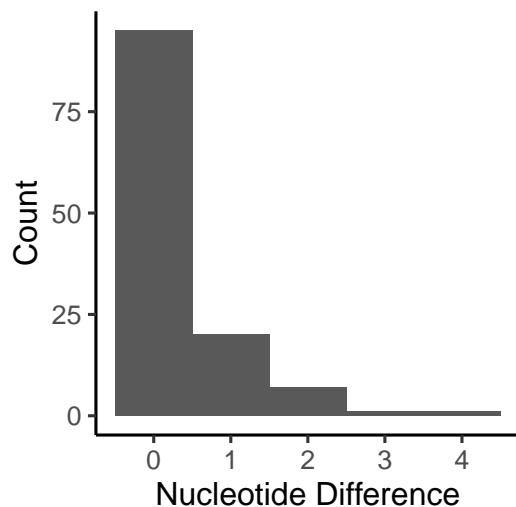
TRBV5-1*01

4655 sequences assigned
3343 (71.8%) exact matches, in which:
3170 unique CDR3
14 unique J



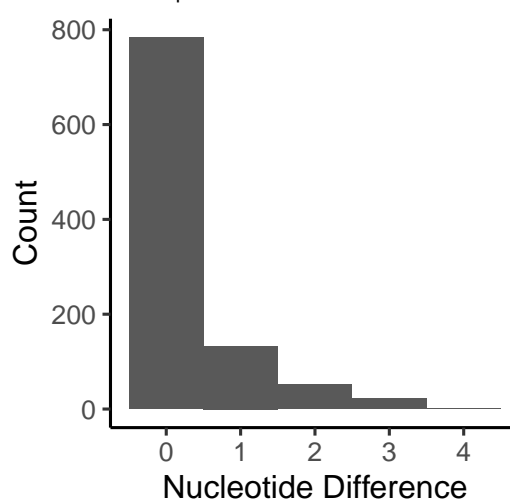
TRBV3-2*02

124 sequences assigned
95 (76.6%) exact matches, in which:
91 unique CDR3
14 unique J



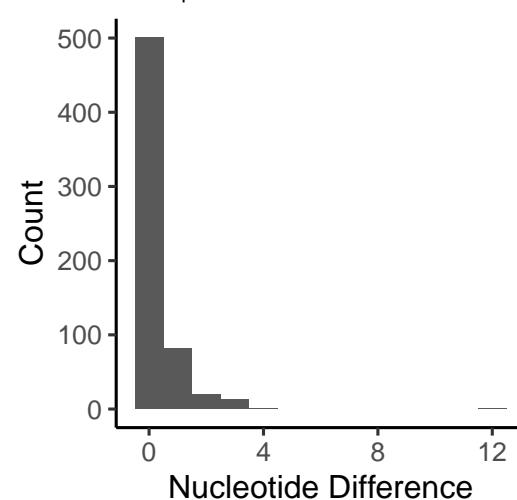
TRBV4-2*01

992 sequences assigned
784 (79%) exact matches, in which:
737 unique CDR3
14 unique J



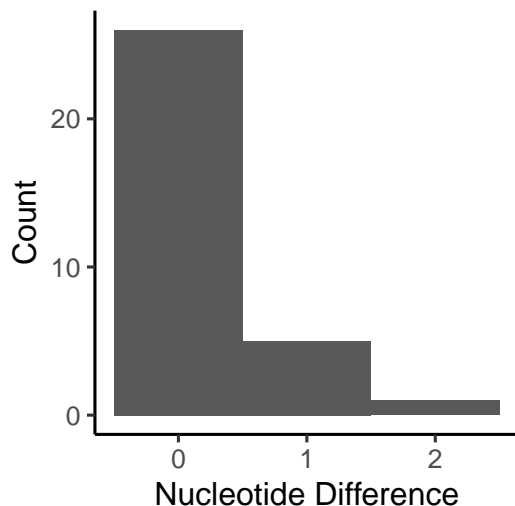
TRBV25-1*01

616 sequences assigned
501 (81.3%) exact matches, in which:
490 unique CDR3
14 unique J



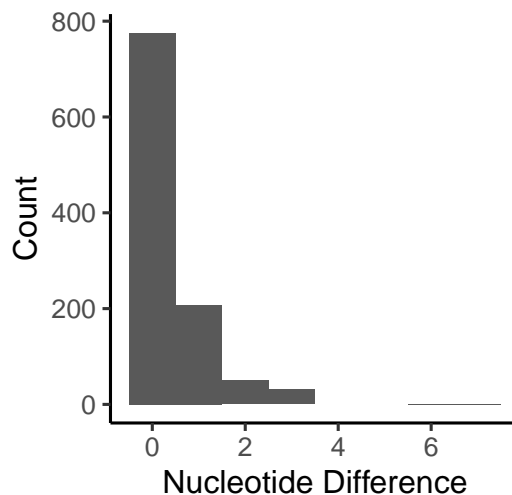
TRBV5-3*01

32 sequences assigned
26 (81.2%) exact matches, in which:
25 unique CDR3
10 unique J



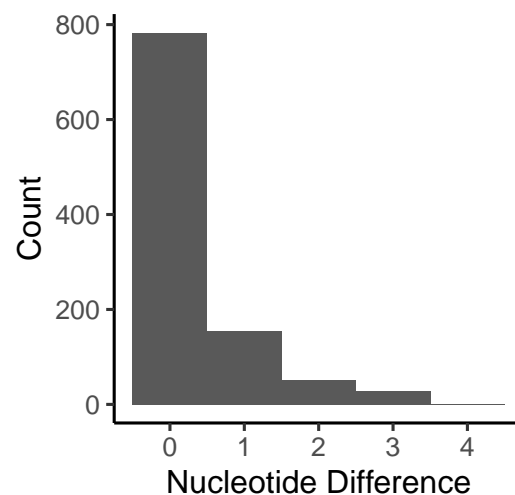
TRBV5-6*01

1068 sequences assigned
776 (72.7%) exact matches, in which:
742 unique CDR3
14 unique J



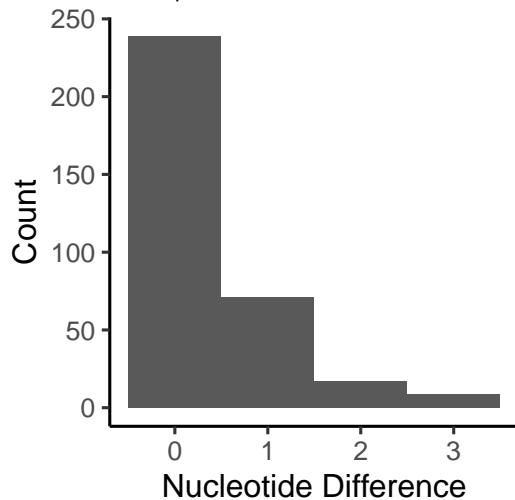
TRBV6-1*01

1025 sequences assigned
783 (76.4%) exact matches, in which:
755 unique CDR3
14 unique J



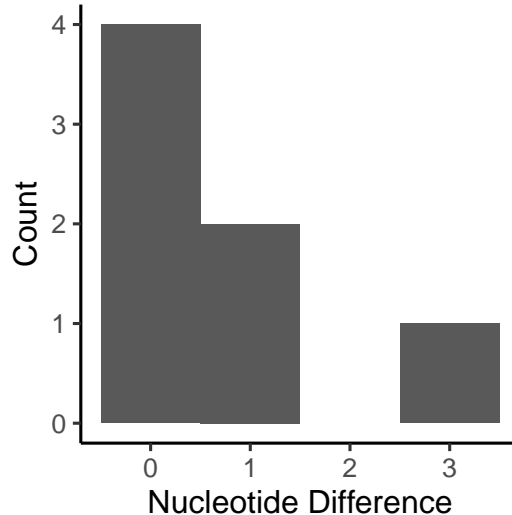
TRBV5-4*01

338 sequences assigned
239 (70.7%) exact matches, in which:
227 unique CDR3
14 unique J



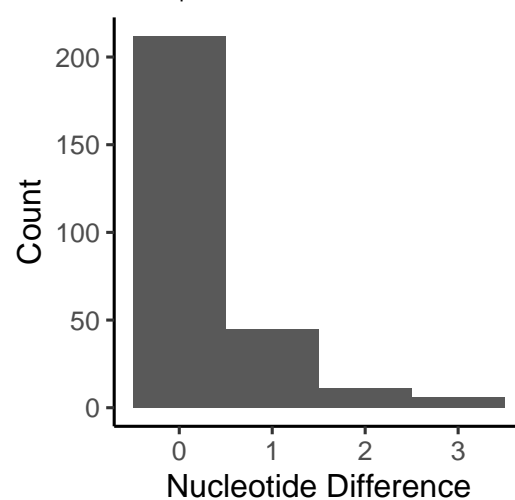
TRBV5-7*01

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
3 unique J



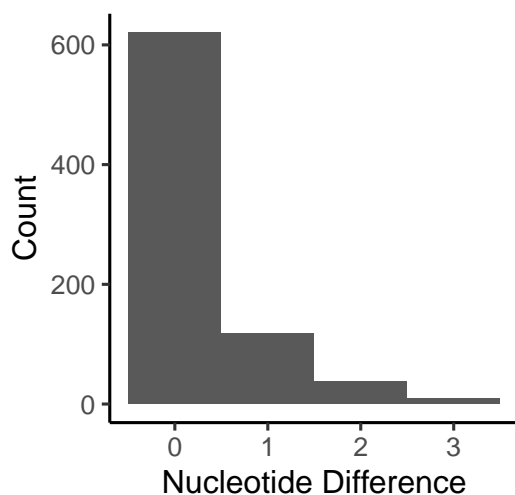
TRBV6-4*01

274 sequences assigned
212 (77.4%) exact matches, in which:
199 unique CDR3
14 unique J



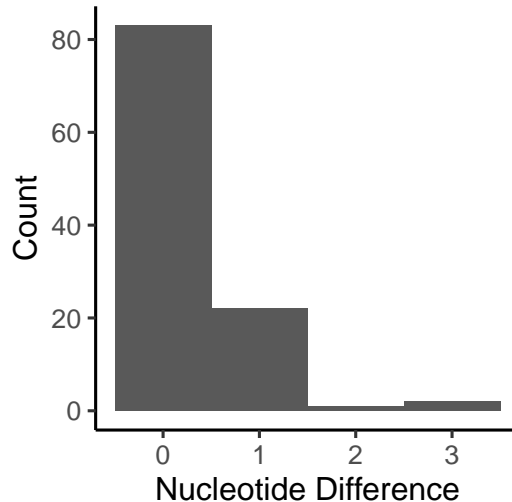
TRBV5-5*02_322TTGG3

787 sequences assigned
621 (78.9%) exact matches, in which:
595 unique CDR3
14 unique J



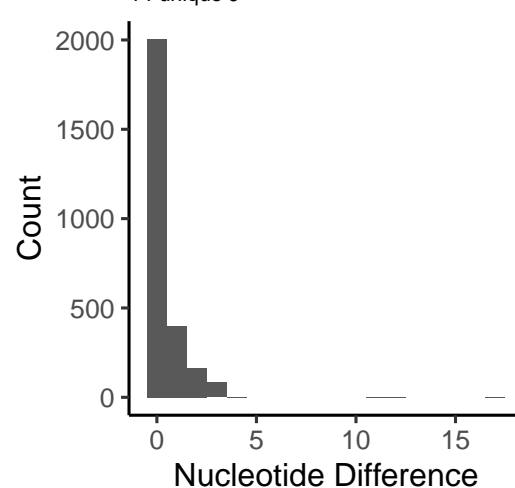
TRBV5-8*01

108 sequences assigned
83 (76.9%) exact matches, in which:
81 unique CDR3
13 unique J



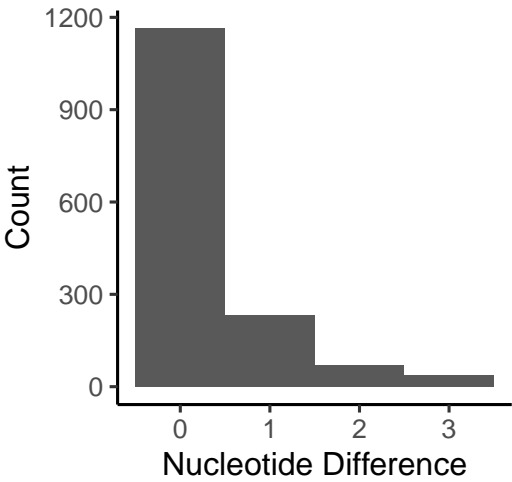
TRBV6-5*01

2655 sequences assigned
2005 (75.5%) exact matches, in which:
1910 unique CDR3
14 unique J



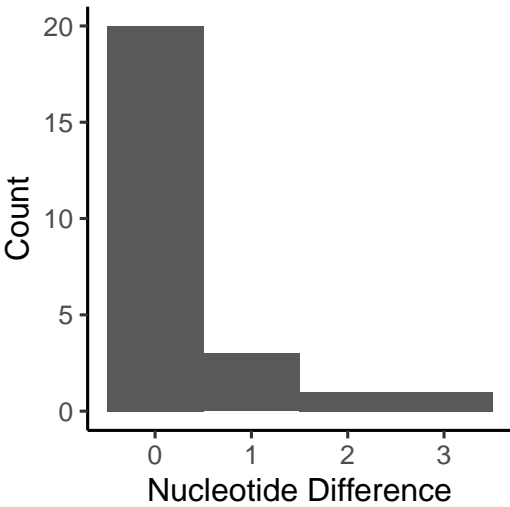
TRBV6-6*01

1504 sequences assigned
1164 (77.4%) exact matches, in which:
1123 unique CDR3
14 unique J



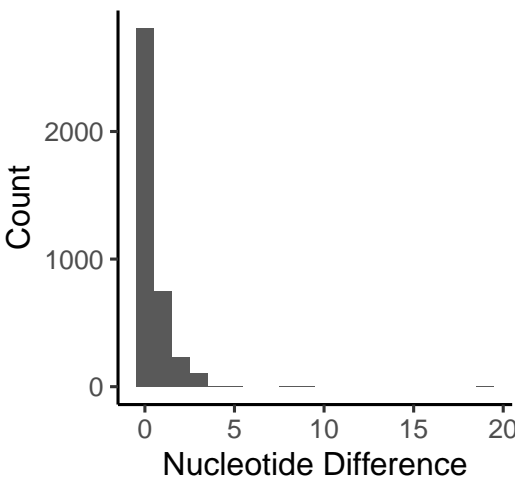
TRBV6-9*01

25 sequences assigned
20 (80%) exact matches, in which:
16 unique CDR3
11 unique J



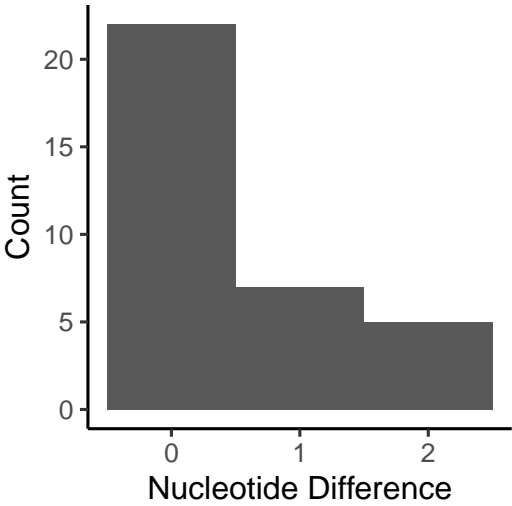
TRBV7-2*01

3901 sequences assigned
2808 (72%) exact matches, in which:
2663 unique CDR3
14 unique J



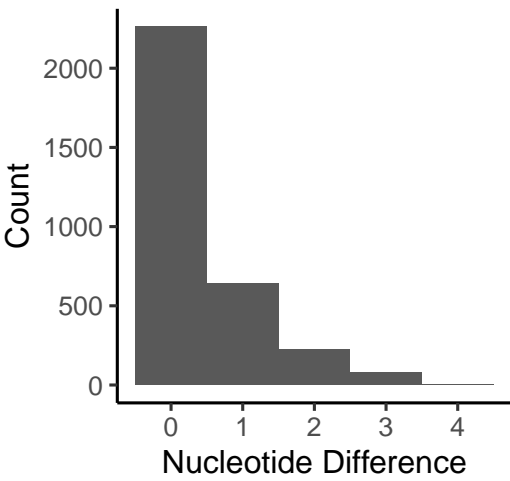
TRBV6-7*01

34 sequences assigned
22 (64.7%) exact matches, in which:
14 unique CDR3
7 unique J



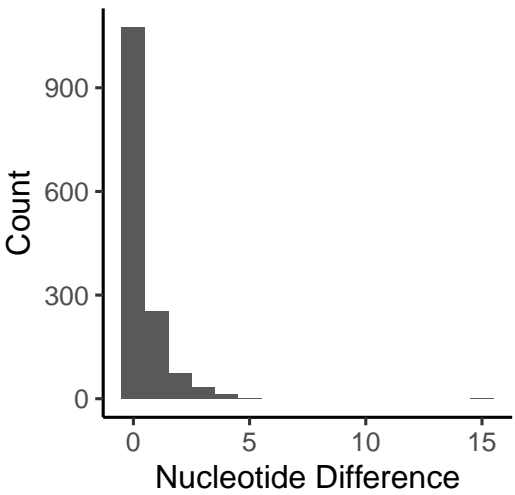
TRBV6-23*01

3210 sequences assigned
2262 (70.5%) exact matches, in which:
2040 unique CDR3
14 unique J



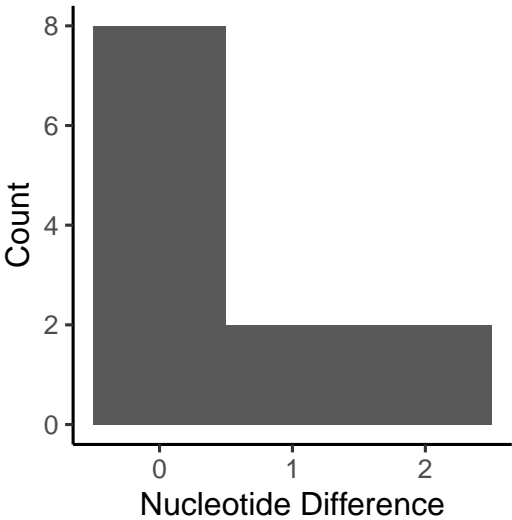
TRBV7-3*01

1452 sequences assigned
1076 (74.1%) exact matches, in which:
1018 unique CDR3
14 unique J



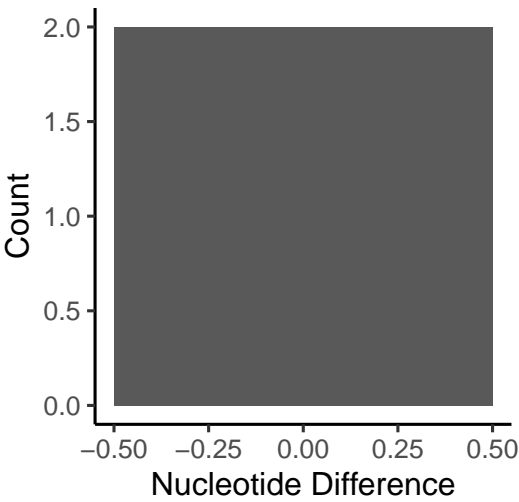
TRBV6-8*01

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



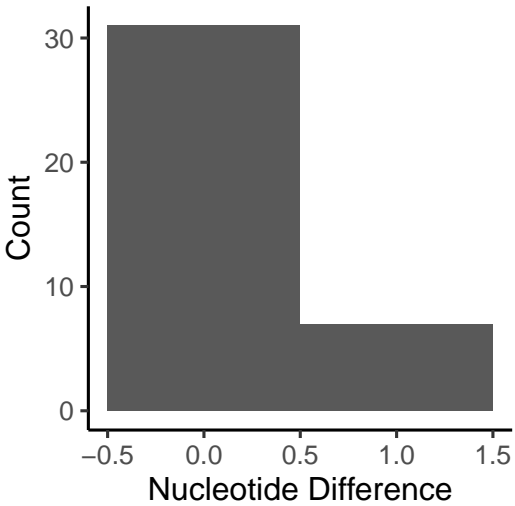
TRBV7-1*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



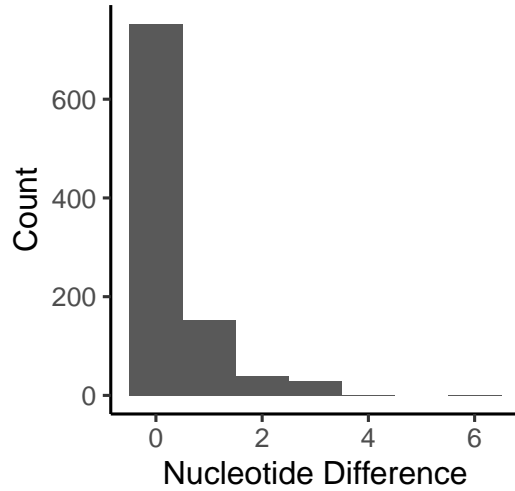
TRBV7-4*01

38 sequences assigned
31 (81.6%) exact matches, in which:
31 unique CDR3
12 unique J



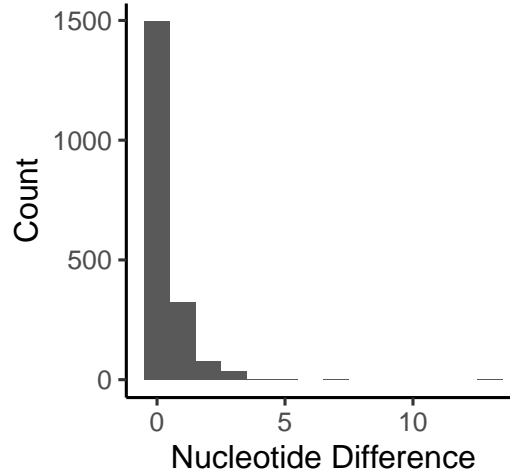
TRBV7-6*01

978 sequences assigned
753 (77%) exact matches, in which:
706 unique CDR3
14 unique J



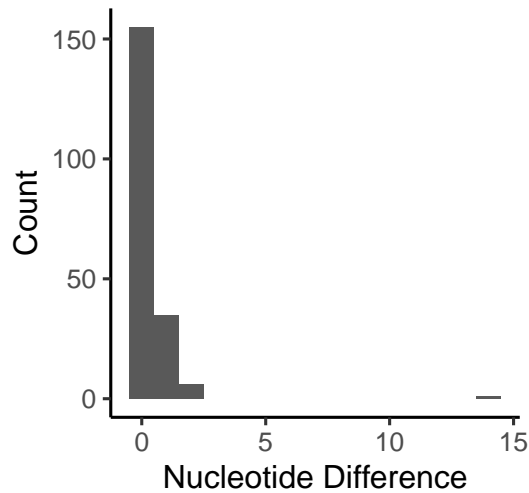
TRBV7-9*01

1937 sequences assigned
1496 (77.2%) exact matches, in which:
1450 unique CDR3
13 unique J



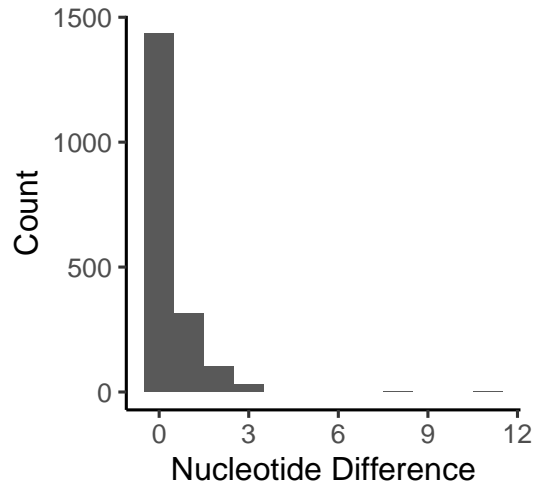
TRBV7-7*01_C315T

197 sequences assigned
155 (78.7%) exact matches, in which:
144 unique CDR3
11 unique J



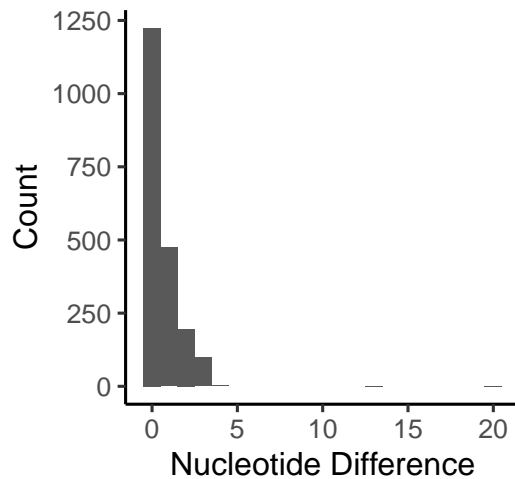
TRBV7-9*03

1884 sequences assigned
1434 (76.1%) exact matches, in which:
1394 unique CDR3
14 unique J



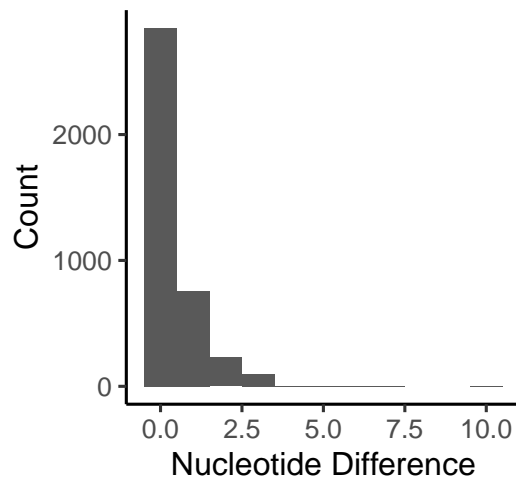
TRBV7-8*01

2001 sequences assigned
1224 (61.2%) exact matches, in which:
955 unique CDR3
14 unique J

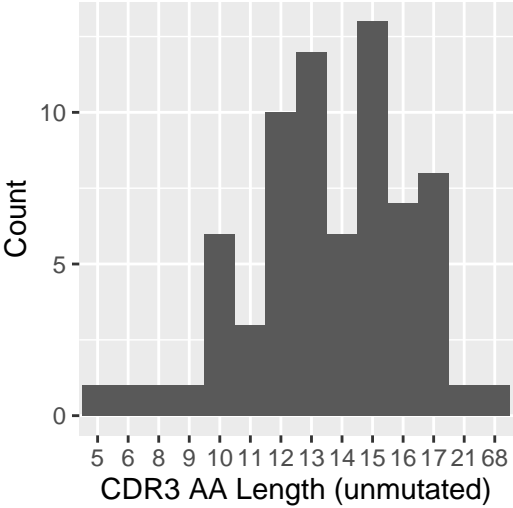


TRBV29-1*01

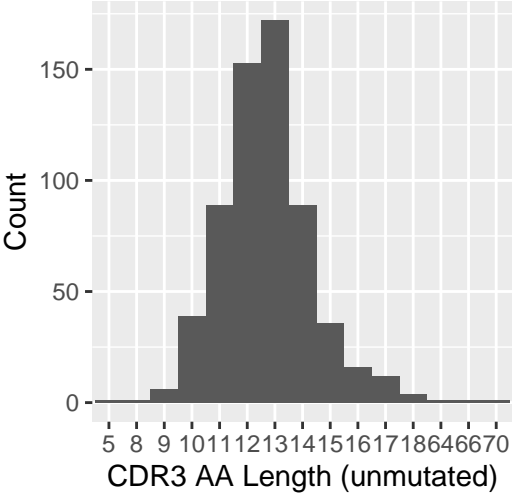
3942 sequences assigned
2846 (72.2%) exact matches, in which:
2591 unique CDR3
14 unique J



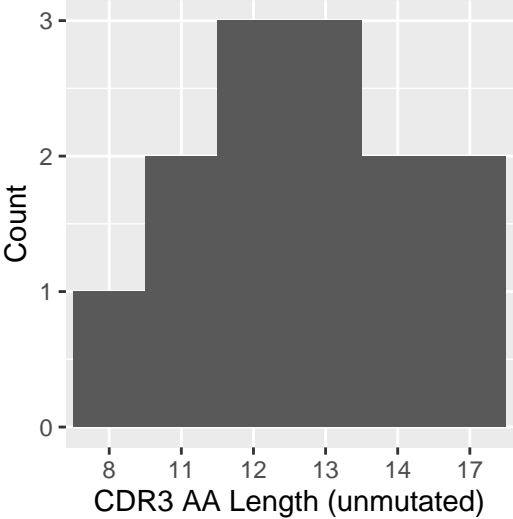
TRBV10-1*02_G274T



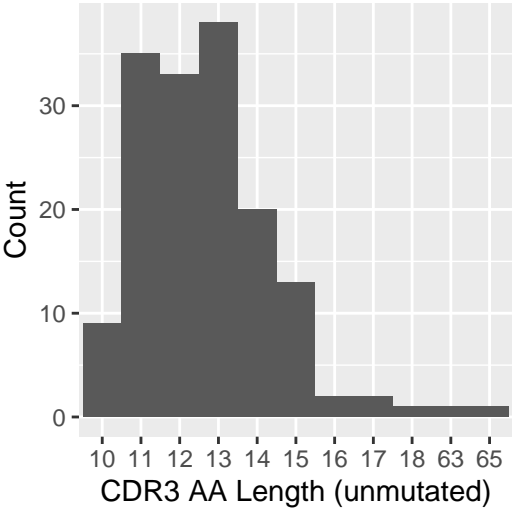
TRBV5-5*02_322TTGG325



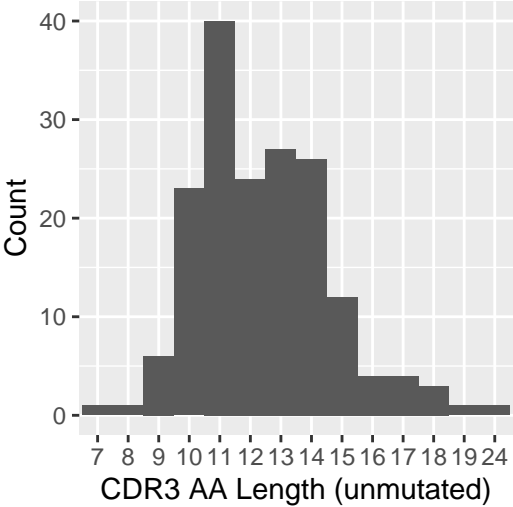
TRBV12-1*01_C165A



TRBV7-7*01_C315T



TRBV12-5*01_C28G



Allele Usage

