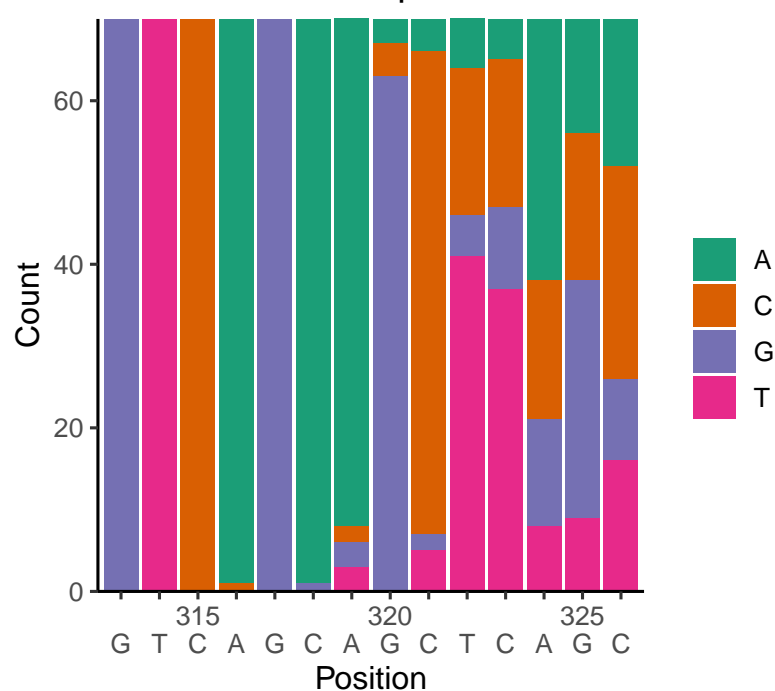
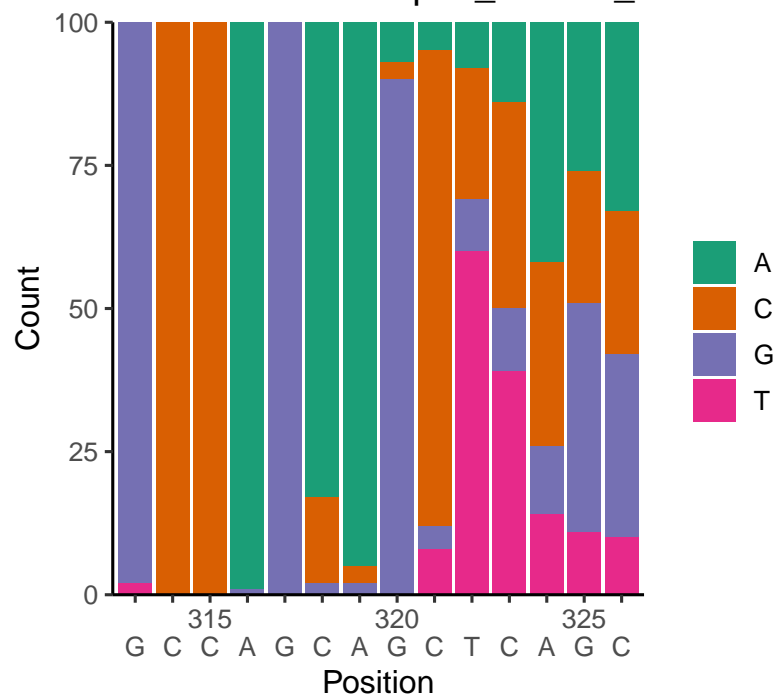


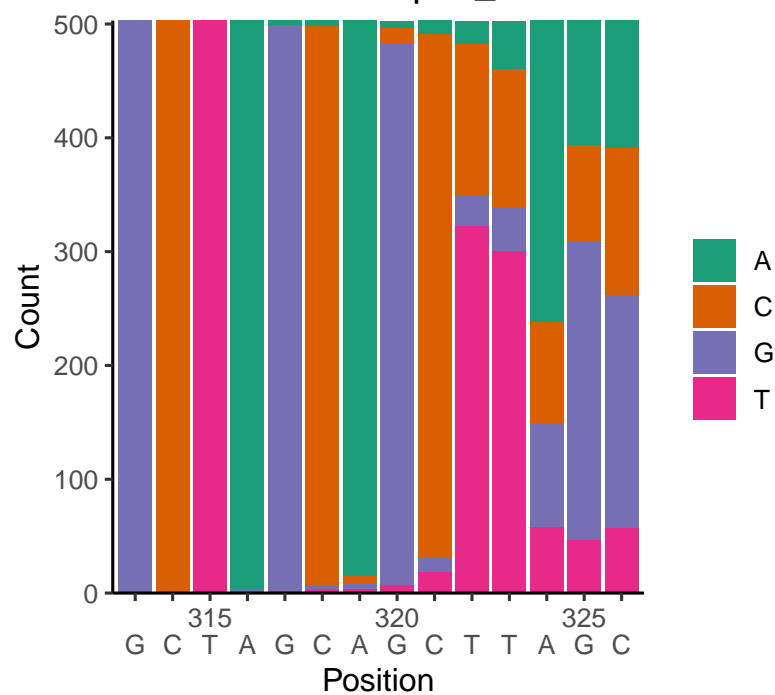
Gene TRBV7-1*ap01_G291C_T296C_C314T



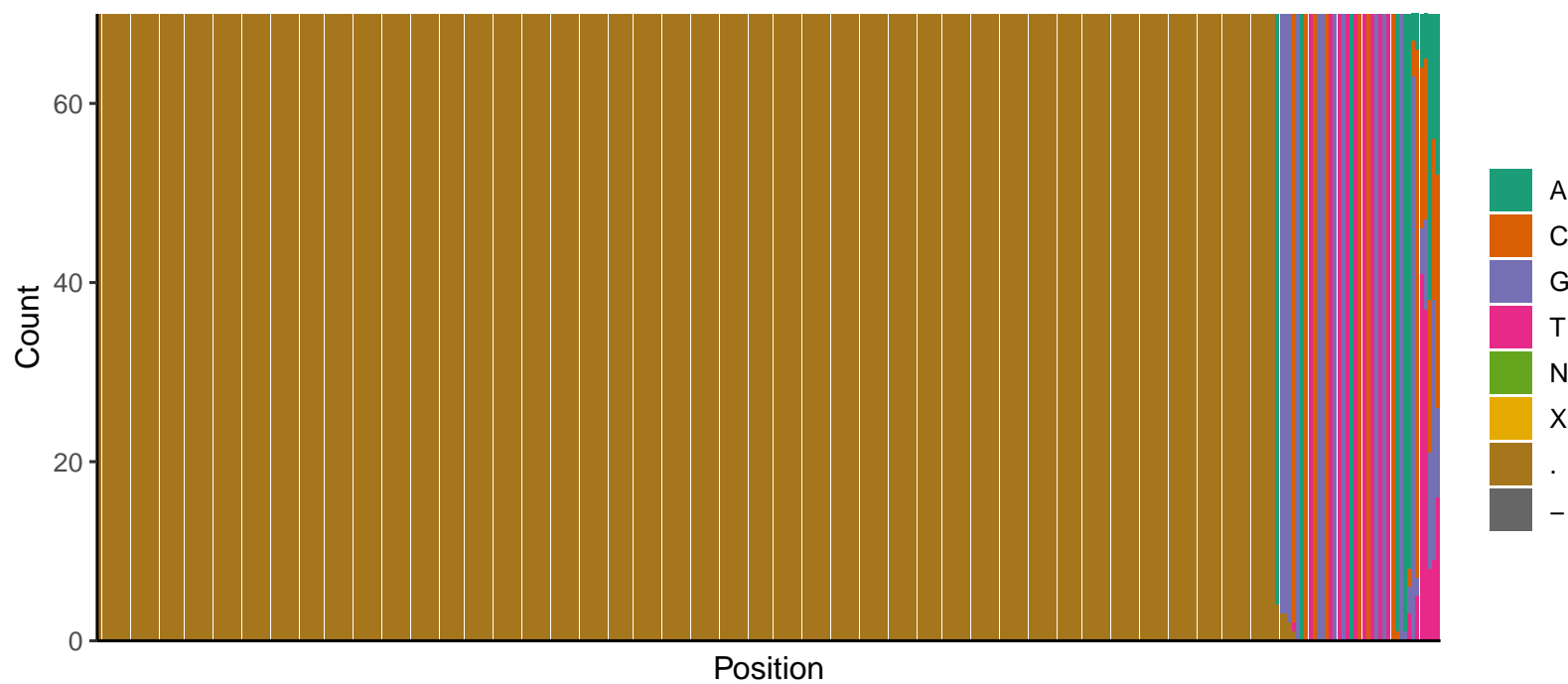
Gene TRBV7-1*ap01_G291C_T296C



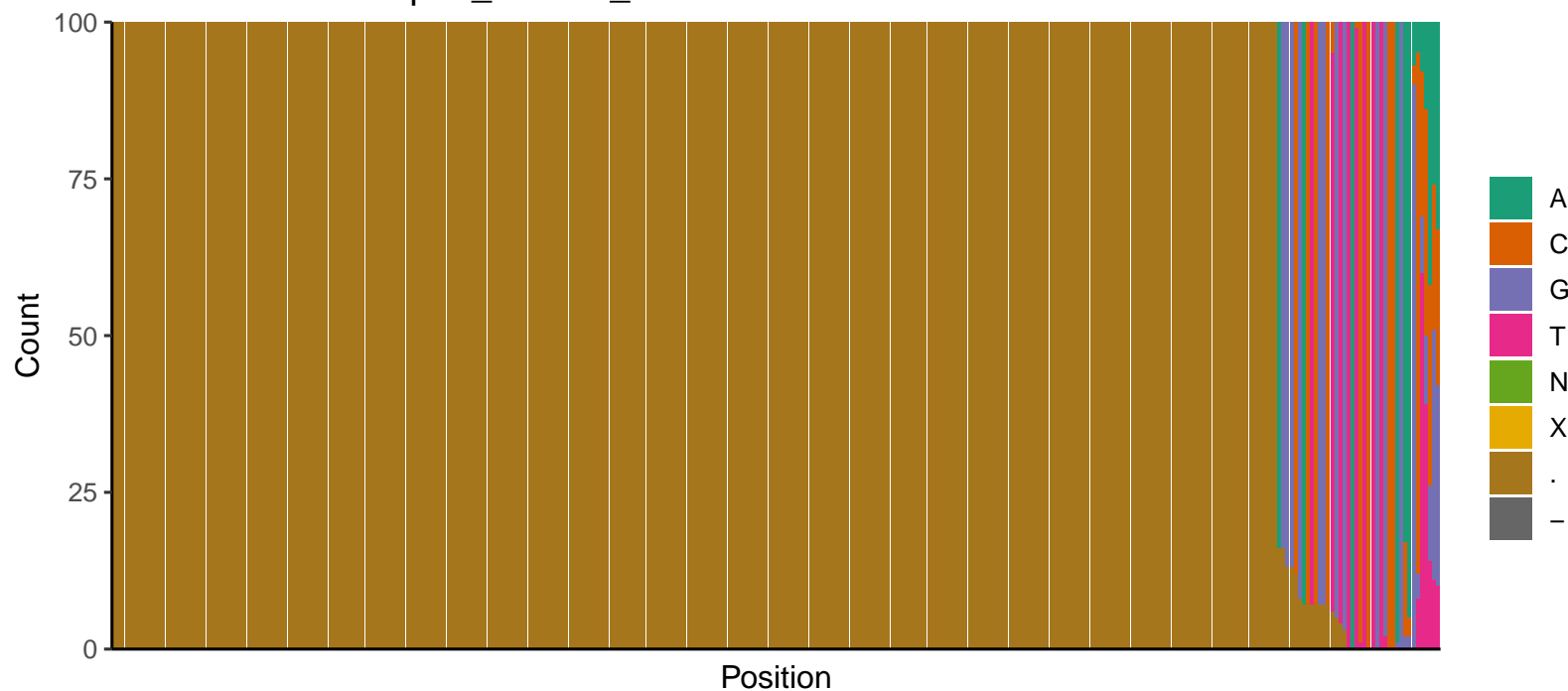
Gene TRBV7-7*ap01_C315T



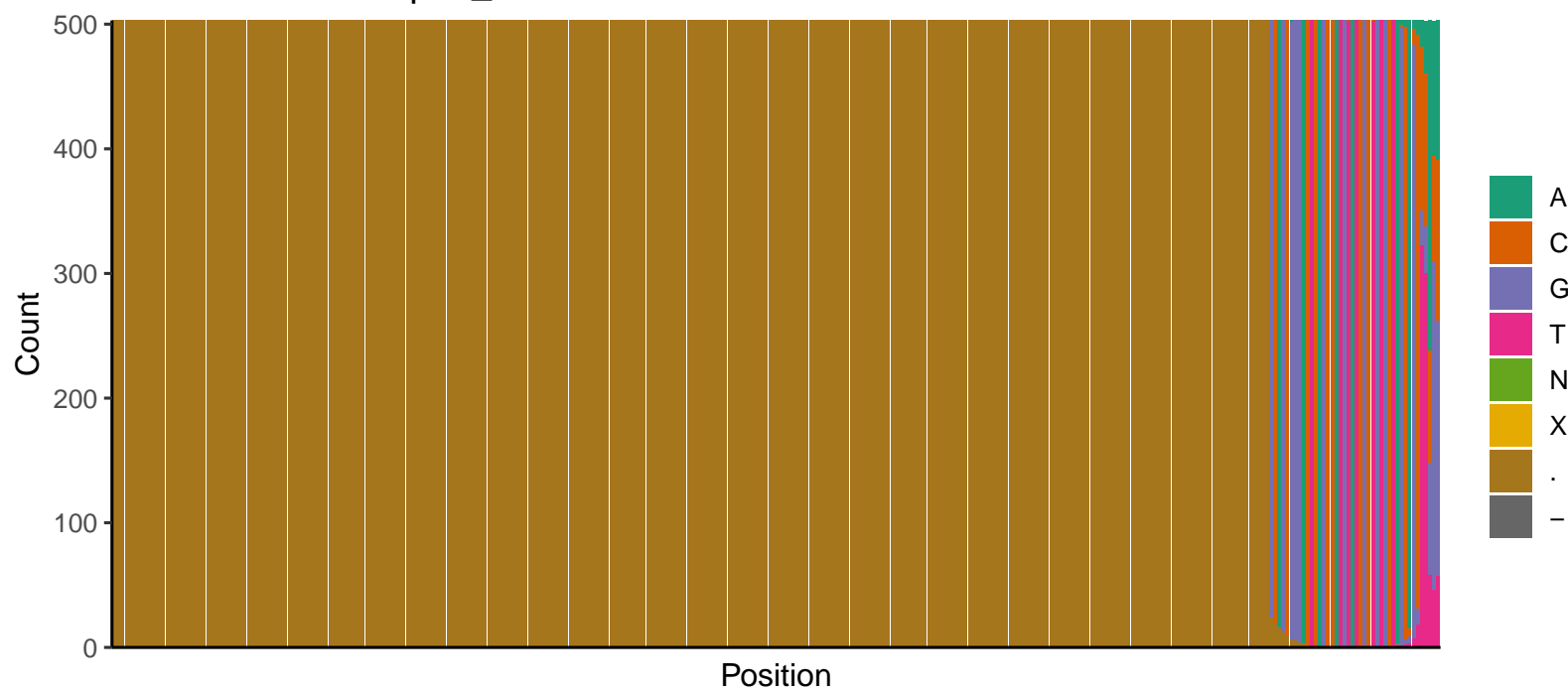
Gene TRBV7-1*ap01_G291C_T296C_C314T



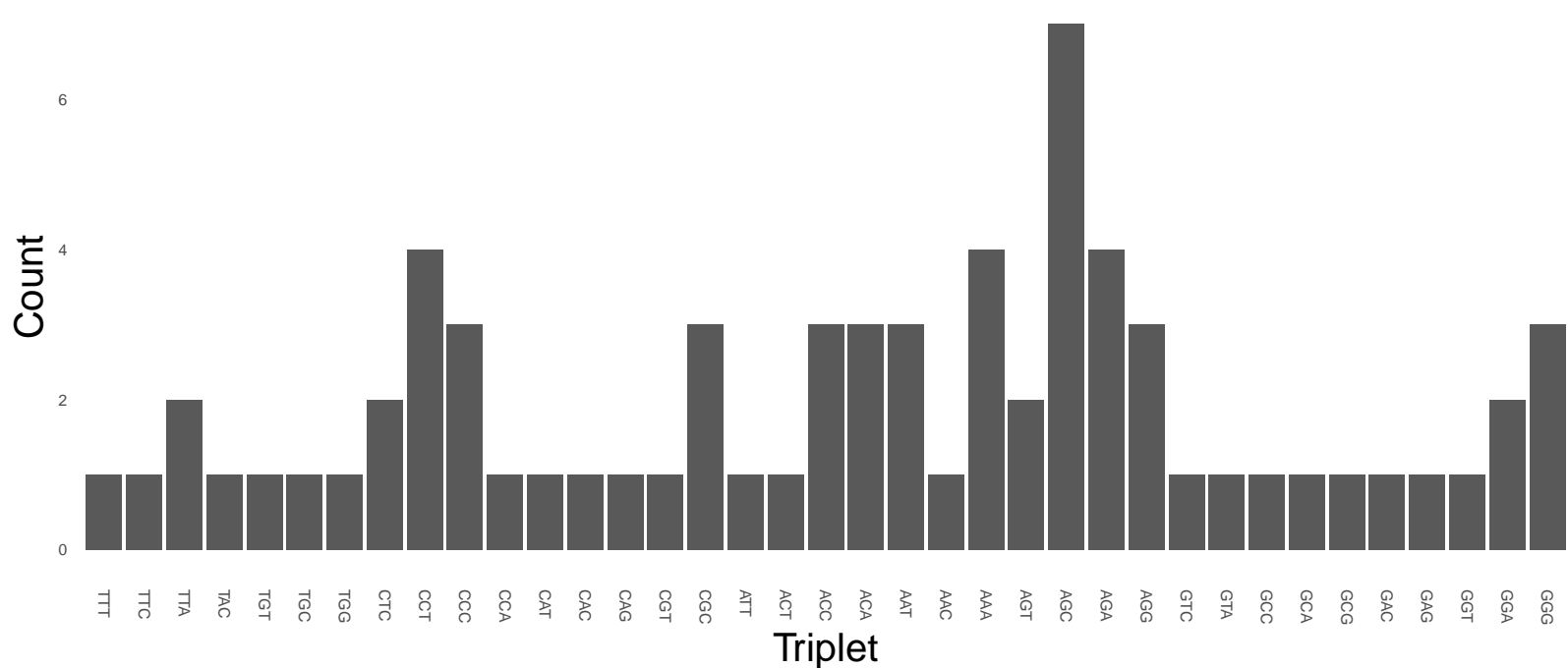
Gene TRBV7-1*ap01_G291C_T296C



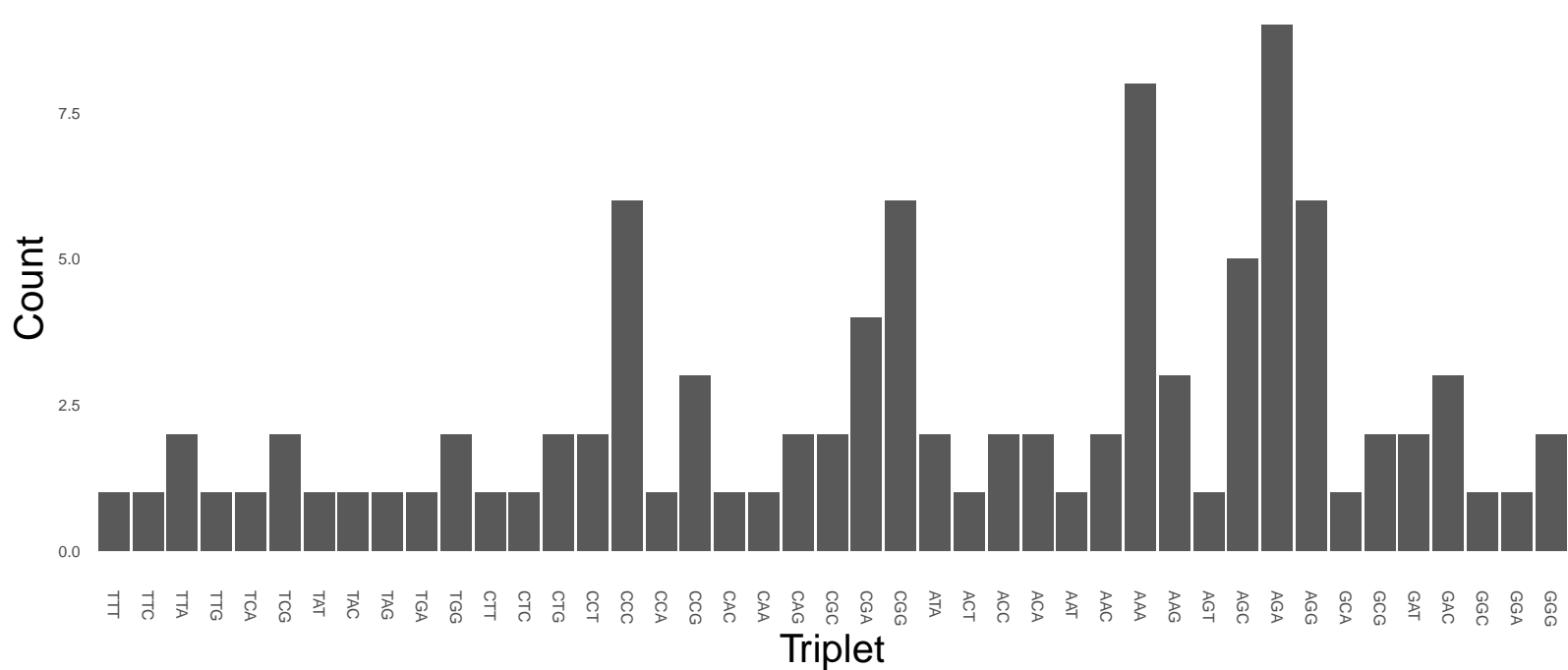
Gene TRBV7-7*ap01_C315T



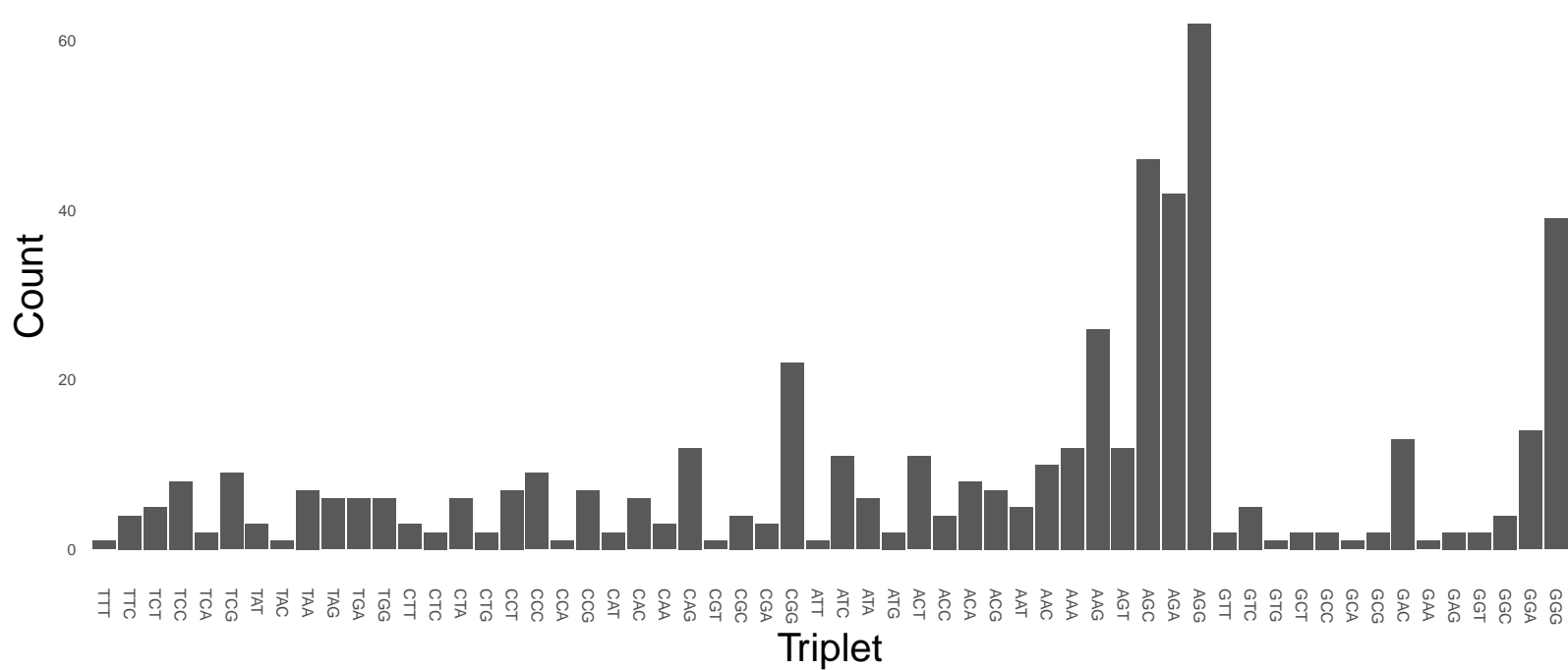
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

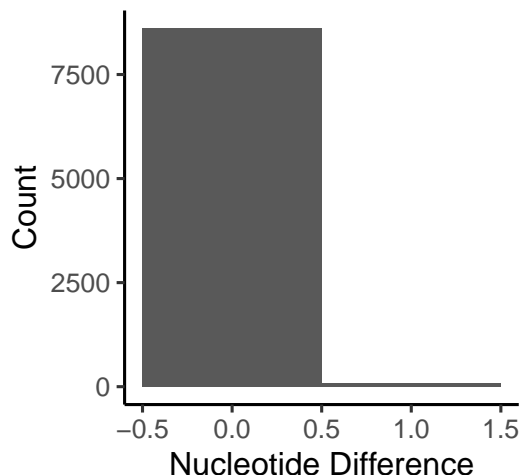


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



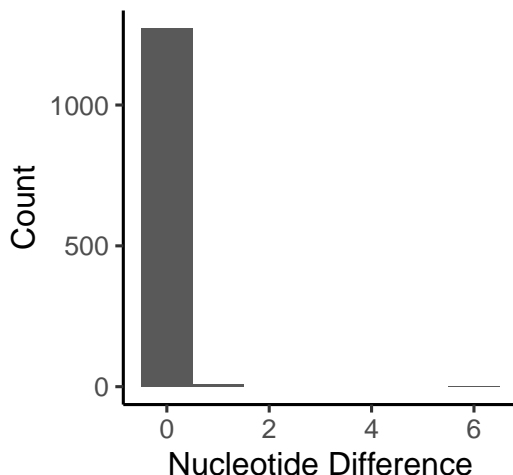
TRBV20-1*ap01

8692 sequences assigned
8608 (99%) exact matches, in which:
8503 unique CDR3
13 unique J



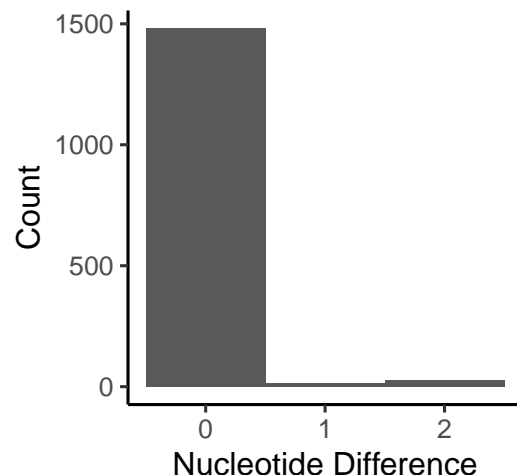
TRBV10-2*ap01

1283 sequences assigned
1272 (99.1%) exact matches, in which:
1243 unique CDR3
13 unique J



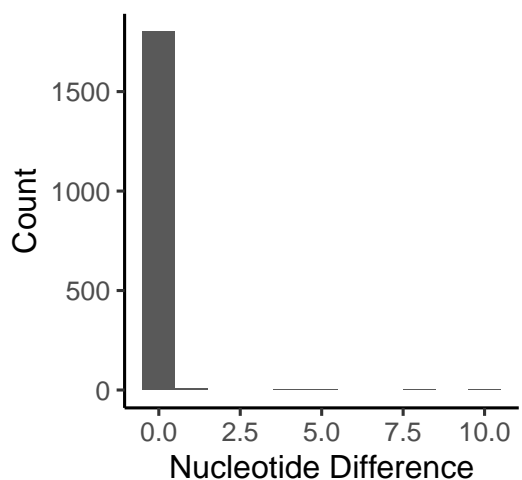
TRBV13*ap01

1520 sequences assigned
1481 (97.4%) exact matches, in which:
1443 unique CDR3
13 unique J



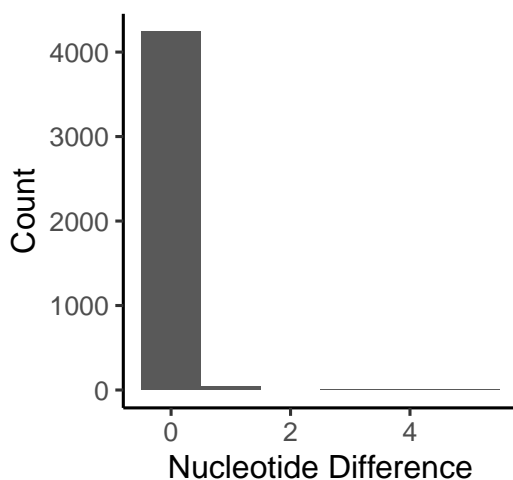
TRBV10-1*ap01

1814 sequences assigned
1801 (99.3%) exact matches, in which:
1780 unique CDR3
13 unique J



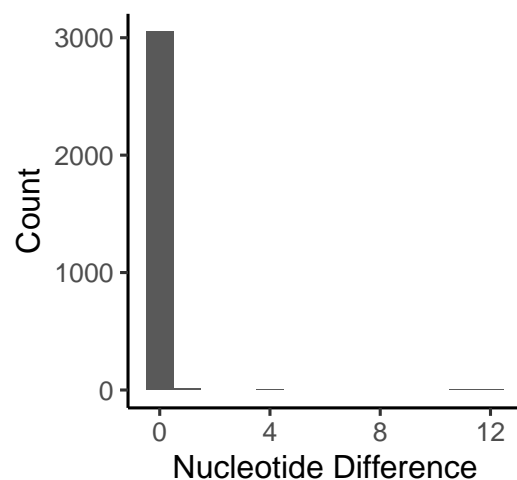
TRBV10-3*ap01

4281 sequences assigned
4241 (99.1%) exact matches, in which:
4190 unique CDR3
13 unique J



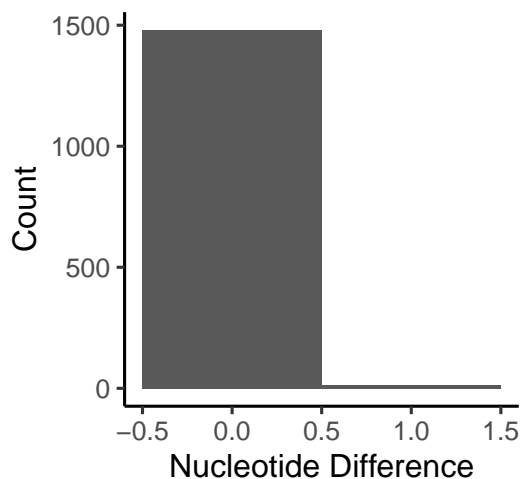
TRBV14*ap01

3069 sequences assigned
3051 (99.4%) exact matches, in which:
3003 unique CDR3
13 unique J



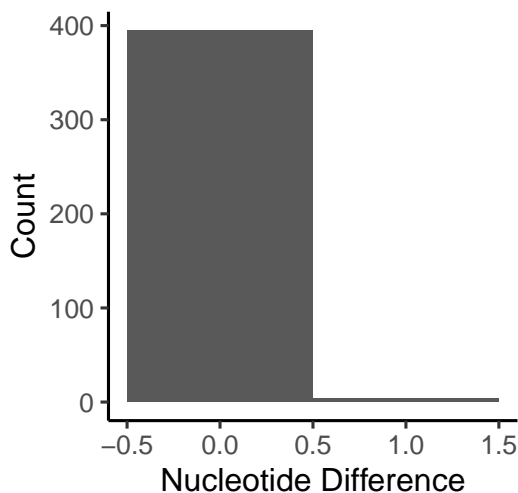
TRBV20-1*ap02

1494 sequences assigned
1480 (99.1%) exact matches, in which:
1457 unique CDR3
13 unique J



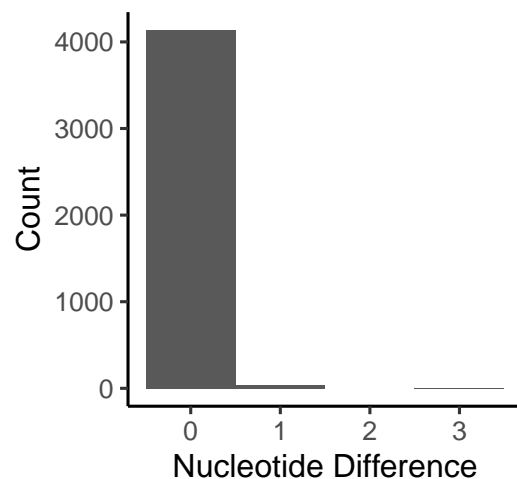
TRBV1*ap01

399 sequences assigned
395 (99%) exact matches, in which:
387 unique CDR3
13 unique J



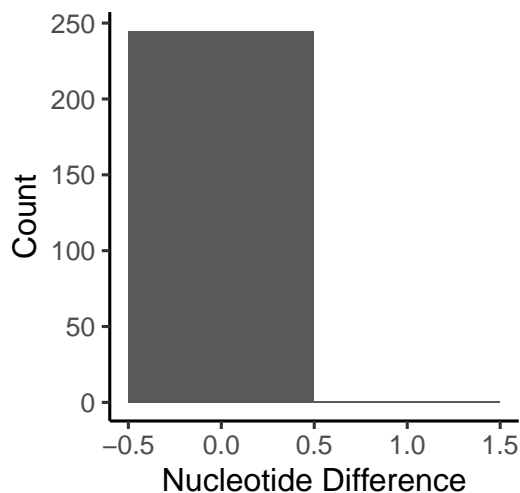
TRBV15*ap02

4179 sequences assigned
4137 (99%) exact matches, in which:
4056 unique CDR3
13 unique J



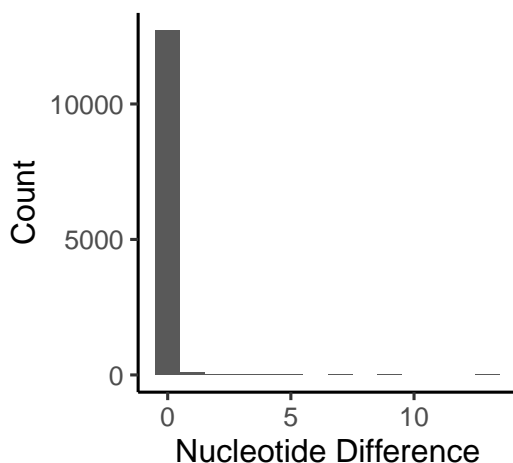
TRBV16*ap01

246 sequences assigned
245 (99.6%) exact matches, in which:
241 unique CDR3
13 unique J



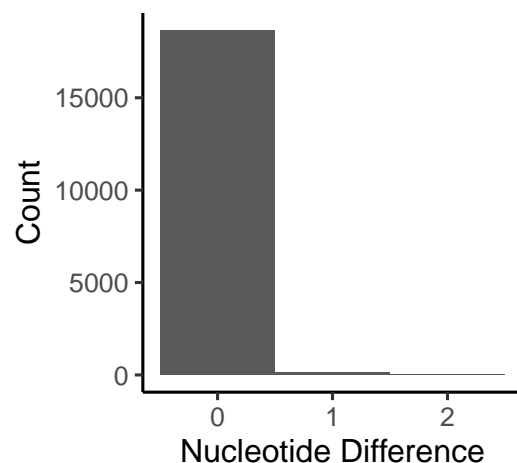
TRBV19*ap01

12812 sequences assigned
12724 (99.3%) exact matches, in which:
12616 unique CDR3
13 unique J



TRBV28*ap01

18793 sequences assigned
18658 (99.3%) exact matches, in which:
18424 unique CDR3
13 unique J



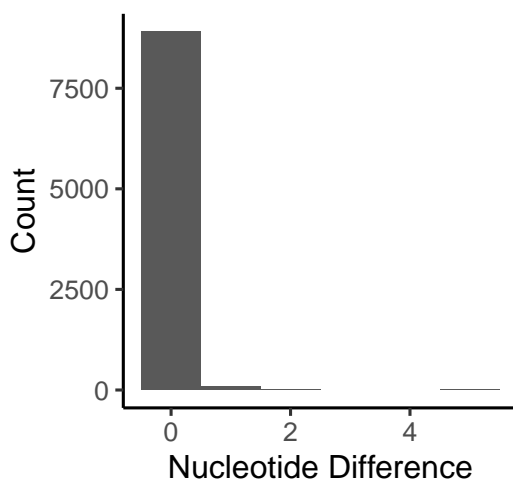
TRBV17*ap01

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



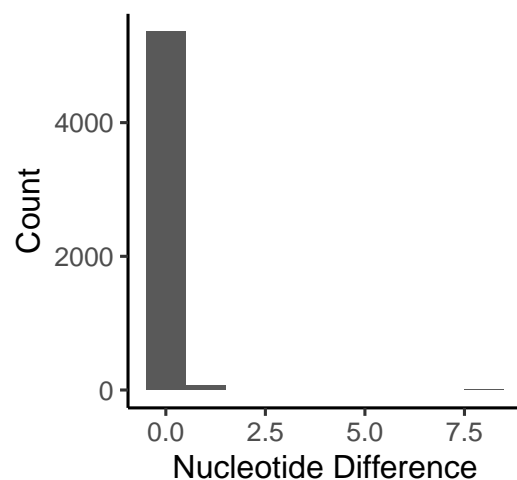
TRBV2*ap01

8988 sequences assigned
8905 (99.1%) exact matches, in which:
8762 unique CDR3
13 unique J



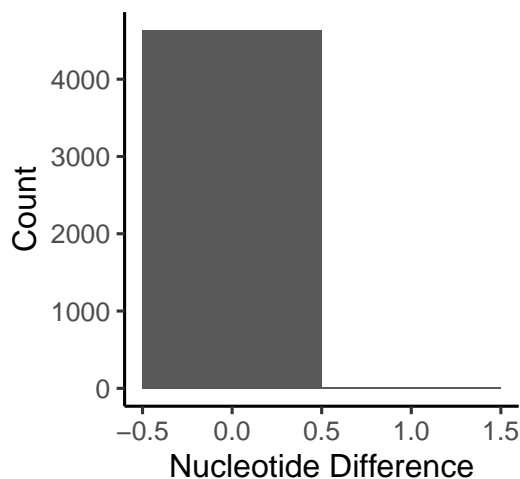
TRBV30*ap01

5424 sequences assigned
5360 (98.8%) exact matches, in which:
5240 unique CDR3
13 unique J



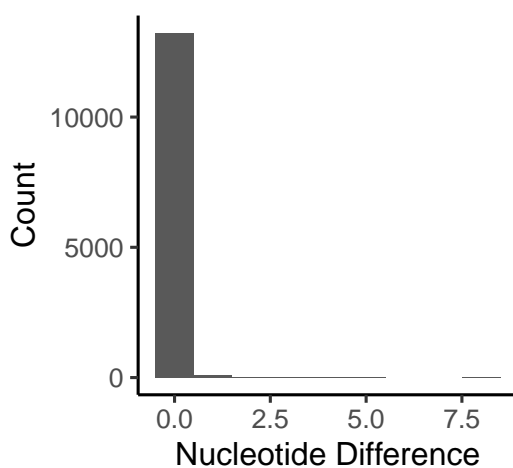
TRBV18*ap01

4656 sequences assigned
4636 (99.6%) exact matches, in which:
4600 unique CDR3
13 unique J



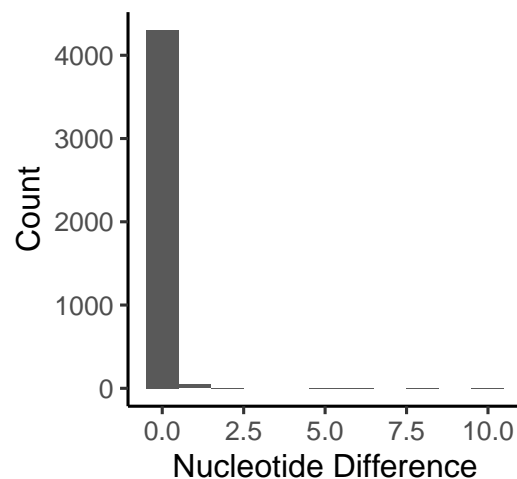
TRBV27*ap01

13350 sequences assigned
13235 (99.1%) exact matches, in which:
13008 unique CDR3
13 unique J



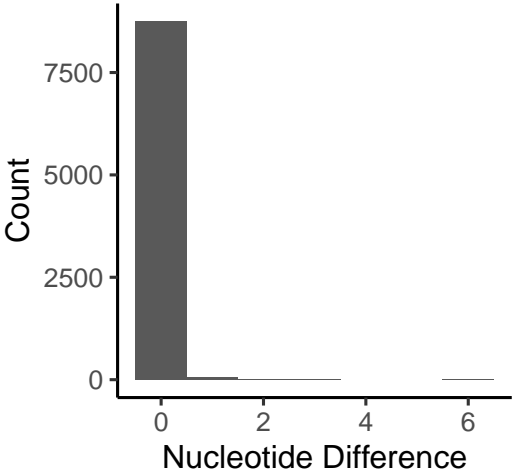
TRBV30*ap02

4353 sequences assigned
4303 (98.9%) exact matches, in which:
4220 unique CDR3
13 unique J



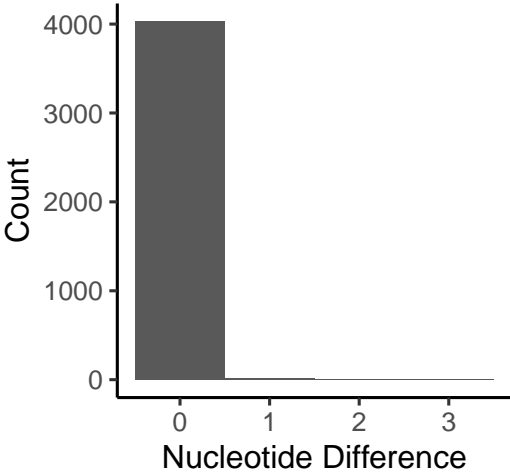
TRBV9*ap01

8813 sequences assigned
8748 (99.3%) exact matches, in which:
8661 unique CDR3
13 unique J



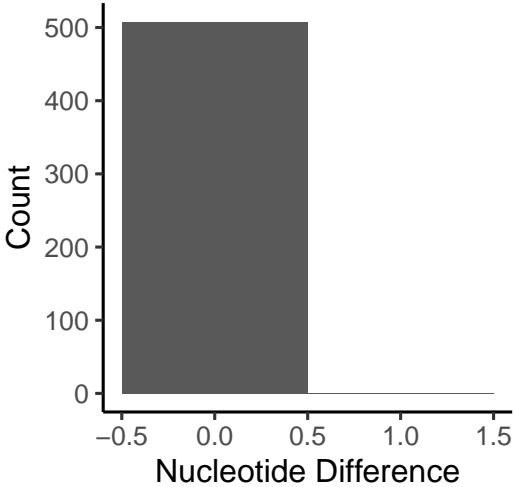
TRBV11-2*ap01

4046 sequences assigned
4030 (99.6%) exact matches, in which:
4004 unique CDR3
13 unique J



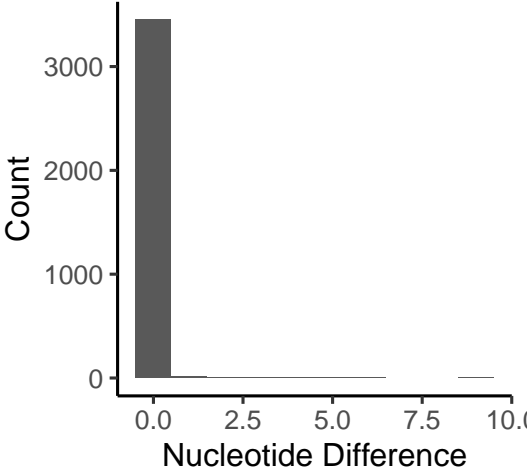
TRBV12-2*ap01

509 sequences assigned
508 (99.8%) exact matches, in which:
502 unique CDR3
13 unique J



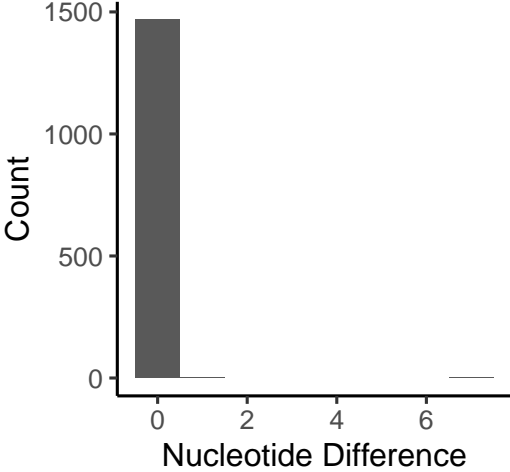
TRBV21-1*ap01

3480 sequences assigned
3451 (99.2%) exact matches, in which:
3421 unique CDR3
13 unique J



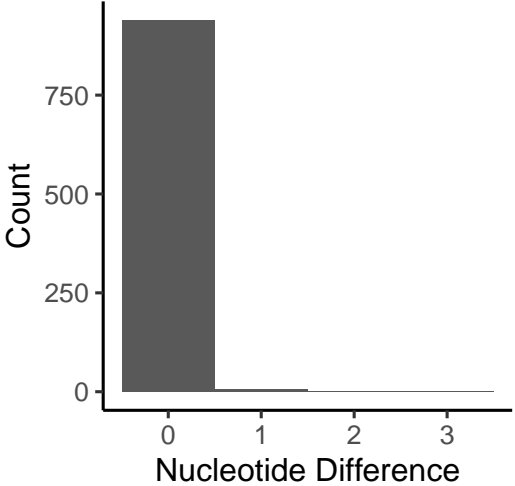
TRBV11-3*ap01

1472 sequences assigned
1468 (99.7%) exact matches, in which:
1460 unique CDR3
13 unique J



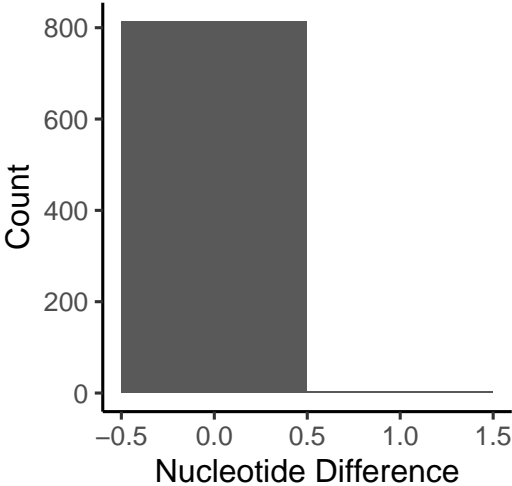
TRBV12-5*ap01

949 sequences assigned
940 (99.1%) exact matches, in which:
932 unique CDR3
13 unique J



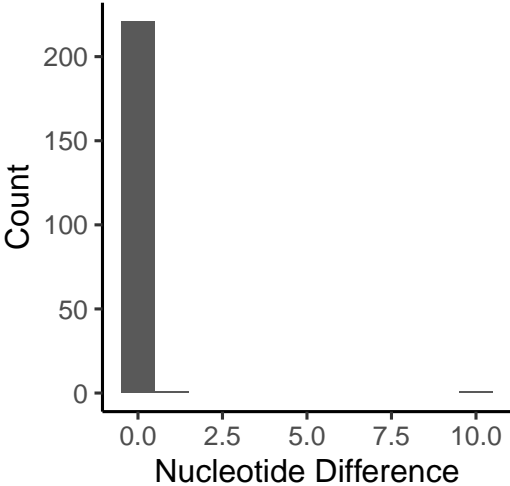
TRBV11-1*ap01

817 sequences assigned
814 (99.6%) exact matches, in which:
810 unique CDR3
13 unique J



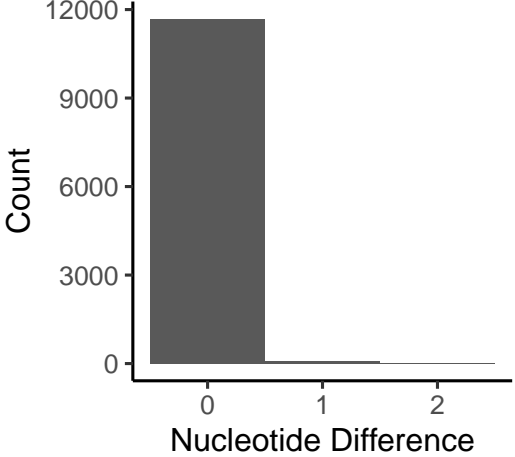
TRBV12-1*ap01

223 sequences assigned
221 (99.1%) exact matches, in which:
220 unique CDR3
12 unique J



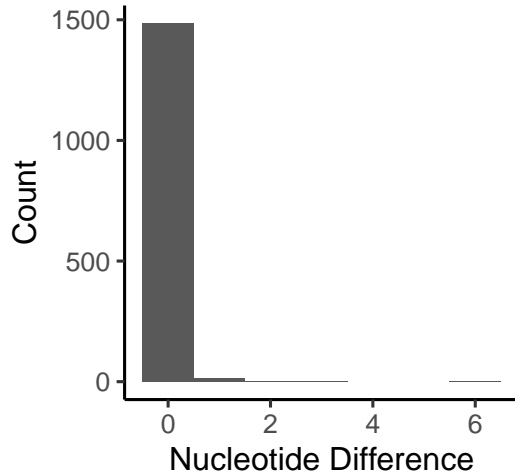
TRBV12-34*ap01

11773 sequences assigned
11687 (99.3%) exact matches, in which:
11504 unique CDR3
13 unique J



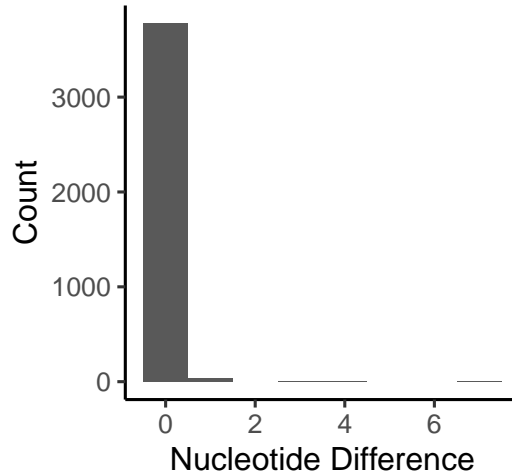
TRBV23-1*ap01

1501 sequences assigned
1485 (98.9%) exact matches, in which:
1463 unique CDR3
13 unique J



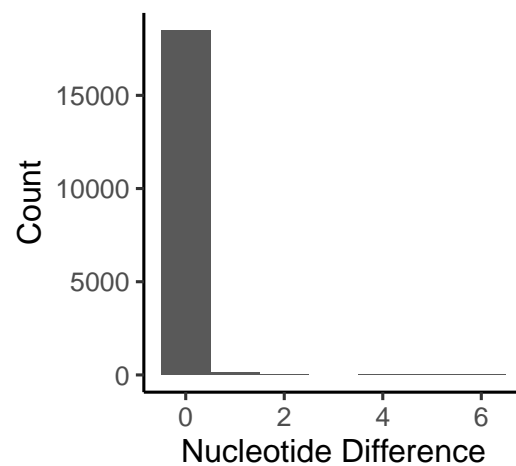
TRBV24-1*ap01

3816 sequences assigned
3777 (99%) exact matches, in which:
3716 unique CDR3
13 unique J



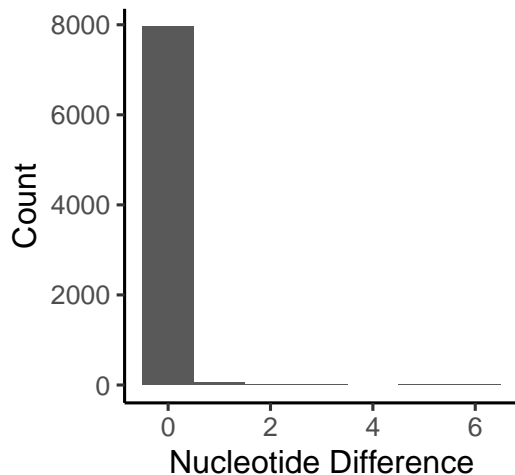
TRBV5-1*ap01

18638 sequences assigned
18498 (99.2%) exact matches, in which:
18085 unique CDR3
13 unique J



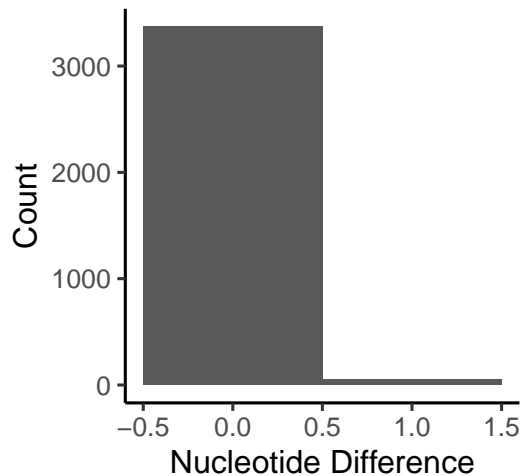
TRBV3-12*ap01

8009 sequences assigned
7956 (99.3%) exact matches, in which:
7879 unique CDR3
13 unique J



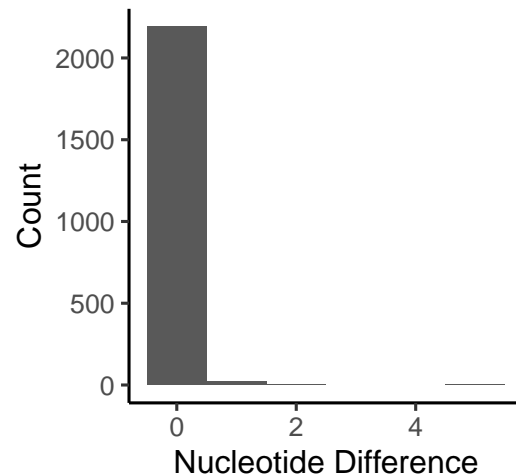
TRBV4-2*ap01

3421 sequences assigned
3370 (98.5%) exact matches, in which:
3305 unique CDR3
13 unique J



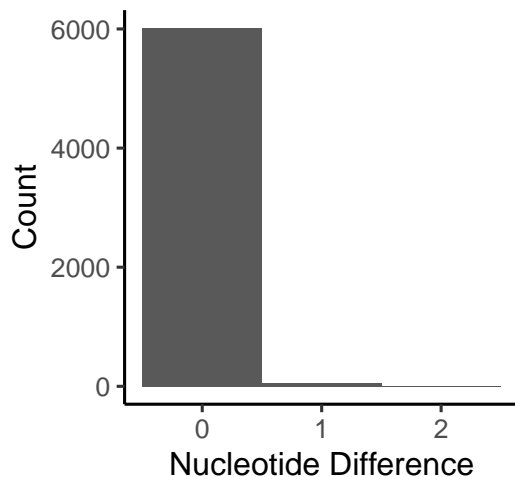
TRBV25-1*ap01

2218 sequences assigned
2191 (98.8%) exact matches, in which:
2148 unique CDR3
13 unique J



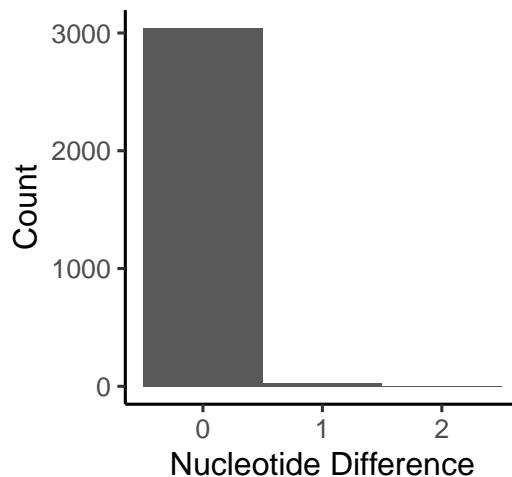
TRBV4-1*ap01

6067 sequences assigned
6015 (99.1%) exact matches, in which:
5874 unique CDR3
13 unique J



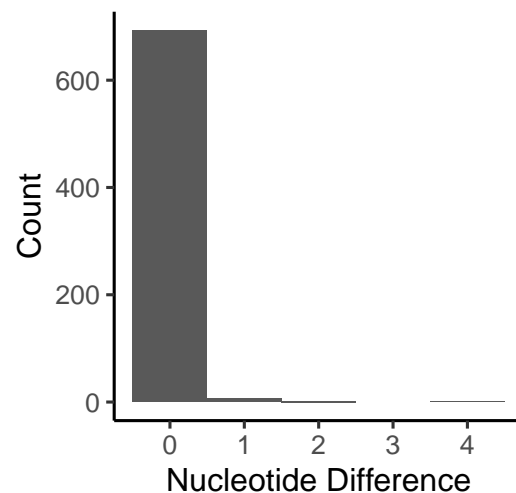
TRBV4-3*ap01

3073 sequences assigned
3042 (99%) exact matches, in which:
2974 unique CDR3
13 unique J



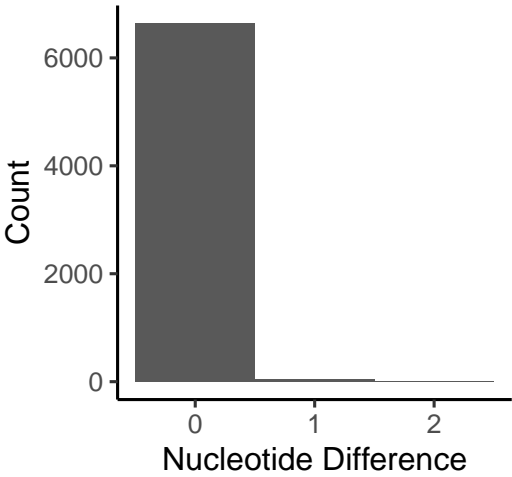
TRBV5-3*ap01

702 sequences assigned
693 (98.7%) exact matches, in which:
679 unique CDR3
13 unique J



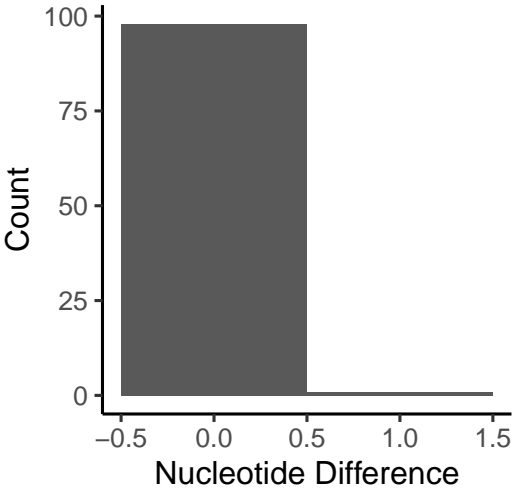
TRBV5-4*ap01

6695 sequences assigned
6639 (99.2%) exact matches, in which:
6517 unique CDR3
13 unique J



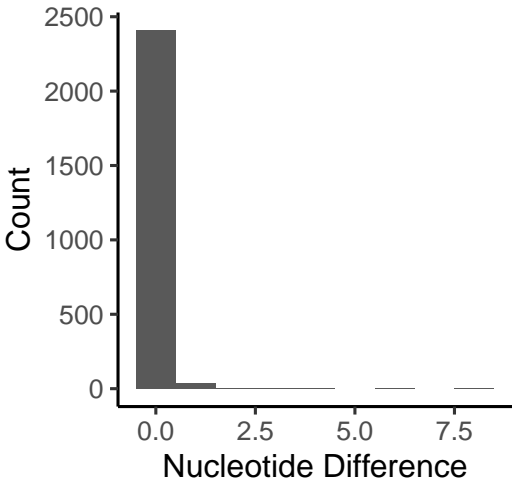
TRBV5-7*ap01

99 sequences assigned
98 (99%) exact matches, in which:
94 unique CDR3
12 unique J



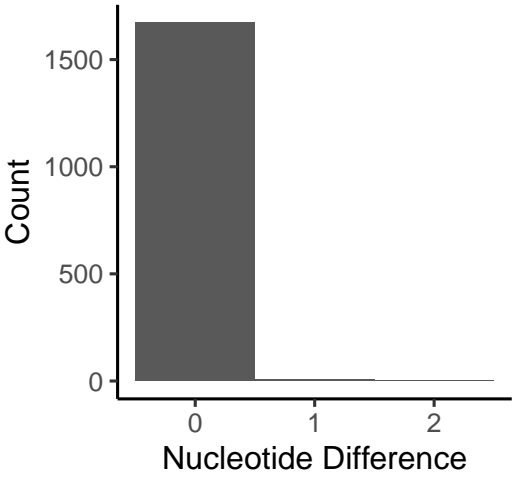
TRBV6-4*ap01

2451 sequences assigned
2408 (98.2%) exact matches, in which:
2381 unique CDR3
13 unique J



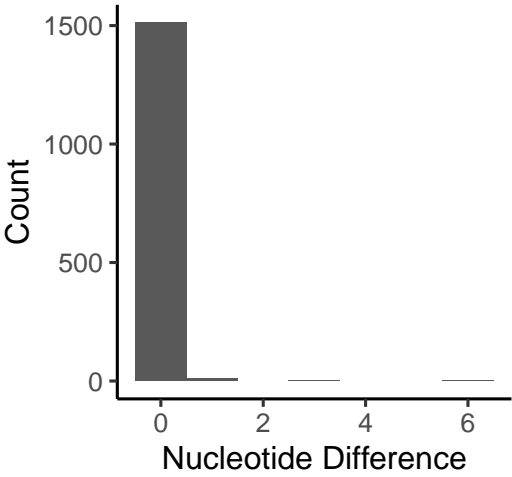
TRBV5-5*ap01

1681 sequences assigned
1672 (99.5%) exact matches, in which:
1658 unique CDR3
13 unique J



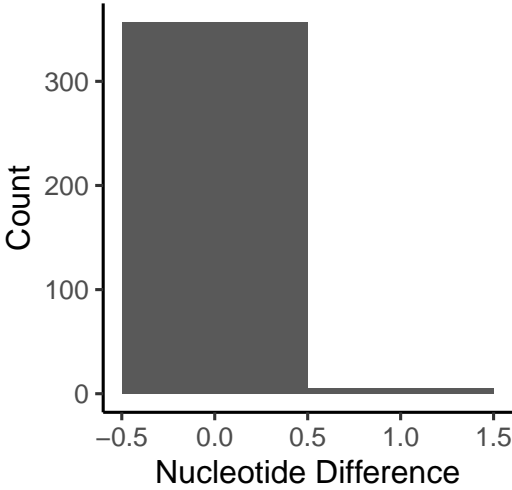
TRBV5-8*ap01

1526 sequences assigned
1512 (99.1%) exact matches, in which:
1492 unique CDR3
13 unique J



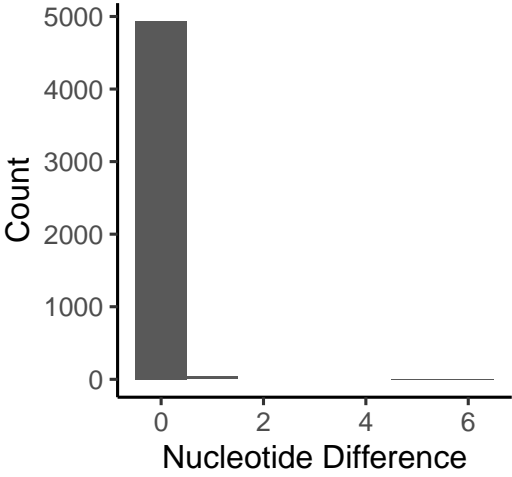
TRBV6-7*ap01

362 sequences assigned
357 (98.6%) exact matches, in which:
350 unique CDR3
13 unique J



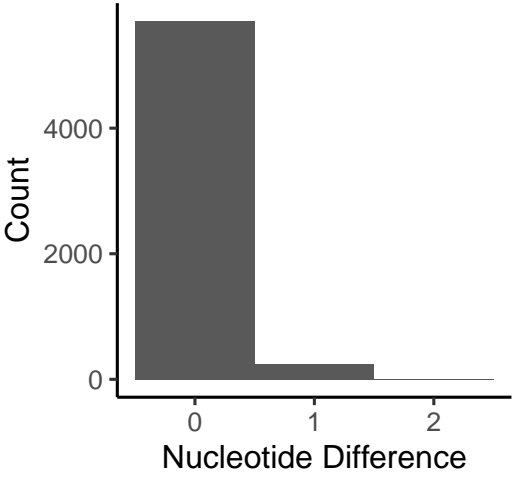
TRBV5-6*ap01

4980 sequences assigned
4937 (99.1%) exact matches, in which:
4731 unique CDR3
13 unique J



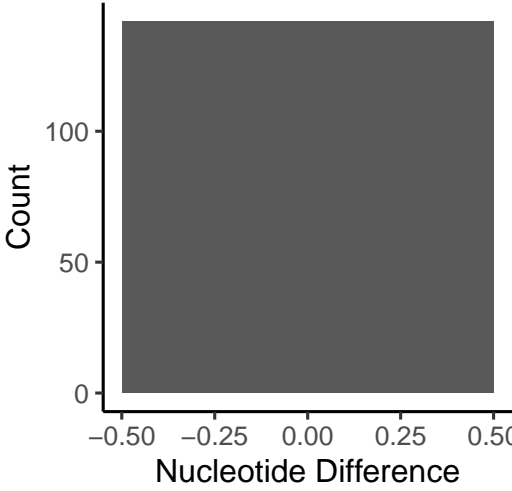
TRBV6-1*ap01

5952 sequences assigned
5706 (95.9%) exact matches, in which:
5587 unique CDR3
13 unique J



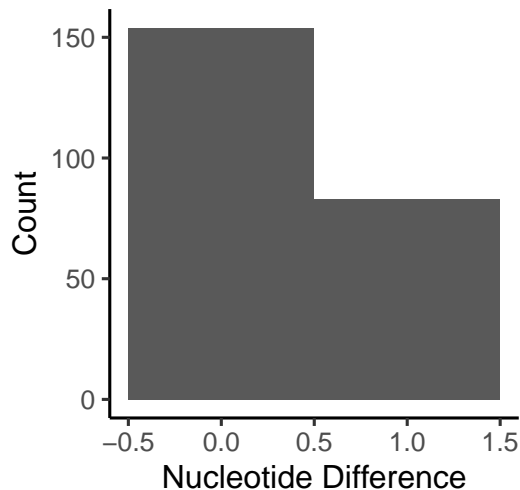
TRBV6-8*ap01

142 sequences assigned
142 (100%) exact matches, in which:
138 unique CDR3
13 unique J



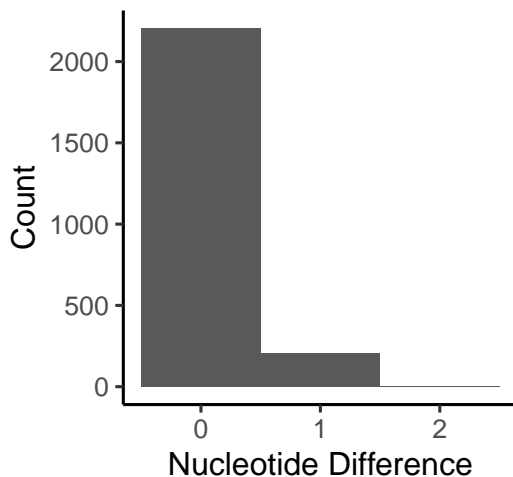
TRBV6–9*ap01

237 sequences assigned
154 (65%) exact matches, in which:
150 unique CDR3
13 unique J



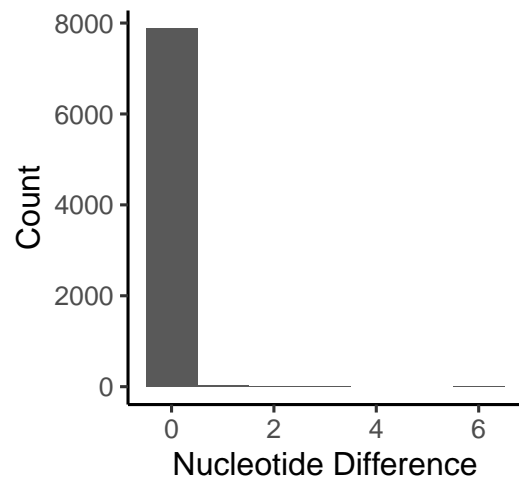
TRBV6–56*ap02

2414 sequences assigned
2204 (91.3%) exact matches, in which:
2158 unique CDR3
13 unique J



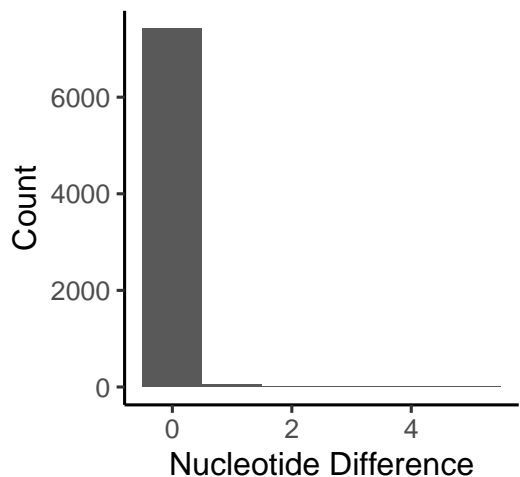
TRBV7–2*ap01

7926 sequences assigned
7882 (99.4%) exact matches, in which:
7779 unique CDR3
13 unique J



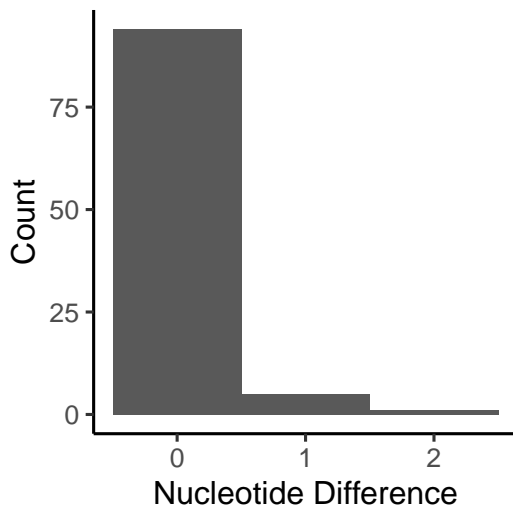
TRBV6–23*ap01

7482 sequences assigned
7417 (99.1%) exact matches, in which:
7236 unique CDR3
14 unique J



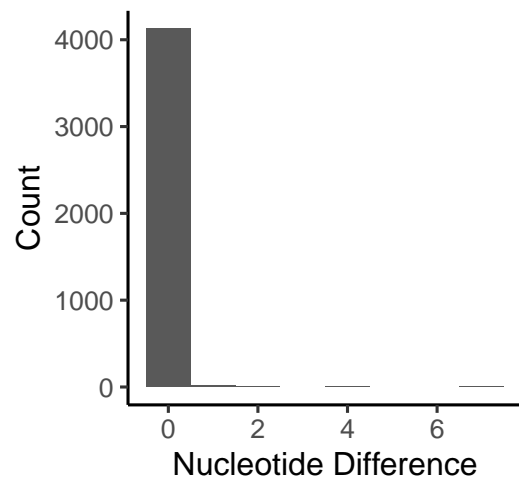
TRBV7–1*ap01_G291C_T

100 sequences assigned
94 (94%) exact matches, in which:
91 unique CDR3
13 unique J



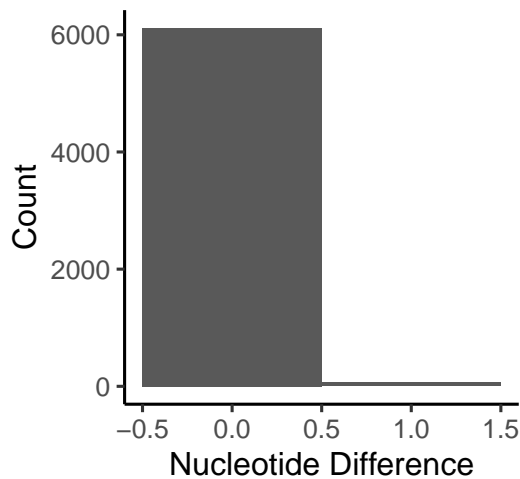
TRBV7–3*ap01

4146 sequences assigned
4127 (99.5%) exact matches, in which:
4078 unique CDR3
13 unique J



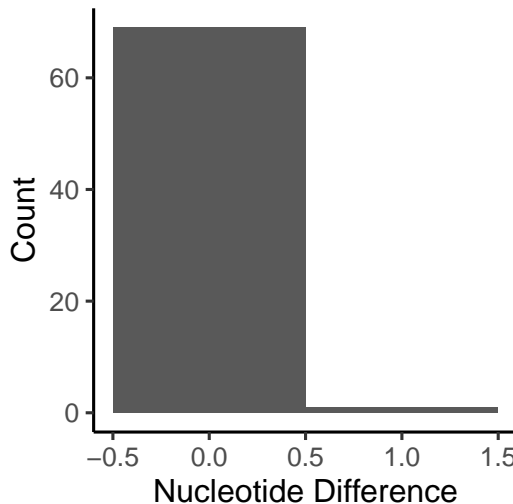
TRBV6–56*ap01

6178 sequences assigned
6115 (99%) exact matches, in which:
5997 unique CDR3
13 unique J



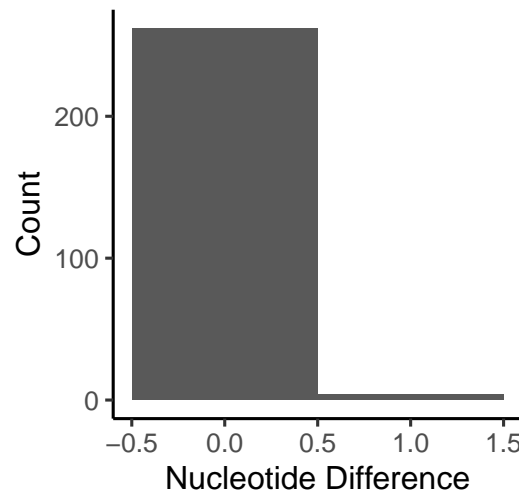
TRBV7–1*ap01_G291C_T

70 sequences assigned
69 (98.6%) exact matches, in which:
69 unique CDR3
12 unique J



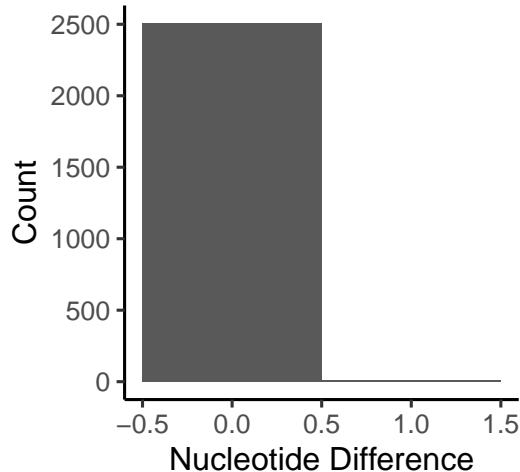
TRBV7–4*ap01

266 sequences assigned
262 (98.5%) exact matches, in which:
255 unique CDR3
13 unique J



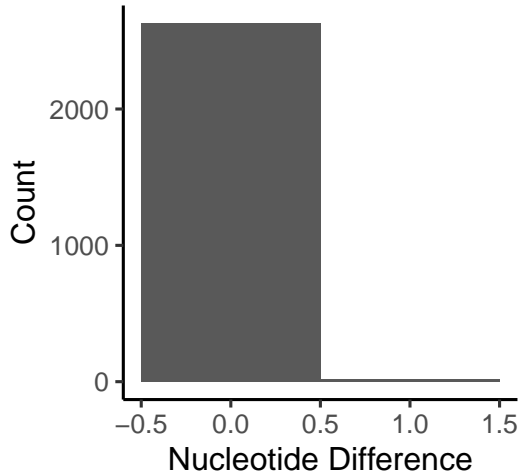
TRBV7-6*ap01

2517 sequences assigned
2506 (99.6%) exact matches, in which:
2464 unique CDR3
13 unique J



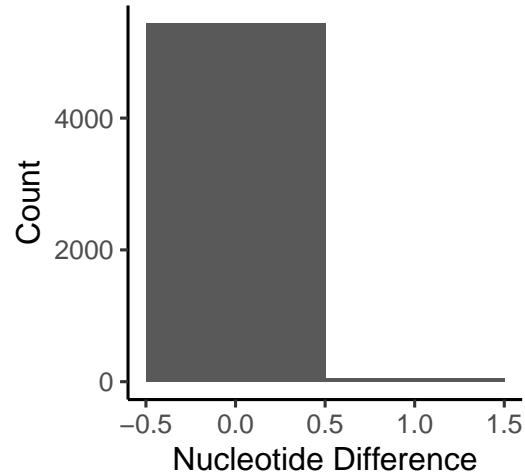
TRBV7-8*ap01

2648 sequences assigned
2628 (99.2%) exact matches, in which:
2577 unique CDR3
13 unique J



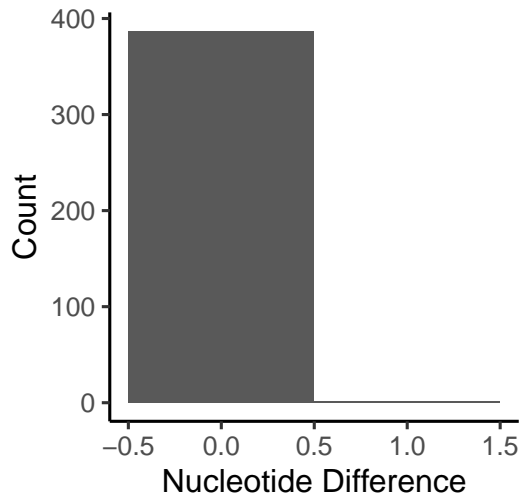
TRBV29-1*ap01

5495 sequences assigned
5437 (98.9%) exact matches, in which:
5300 unique CDR3
13 unique J



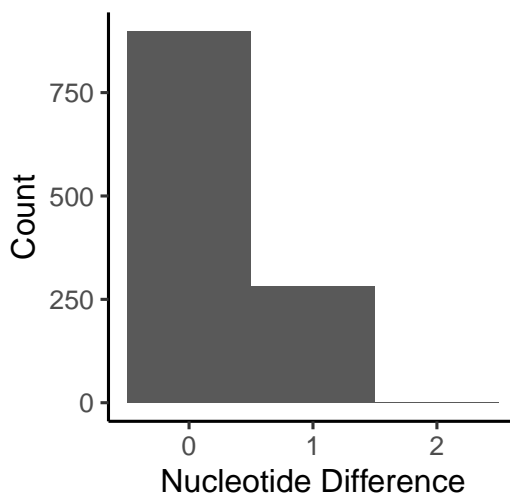
TRBV7-7*ap01

389 sequences assigned
387 (99.5%) exact matches, in which:
381 unique CDR3
13 unique J



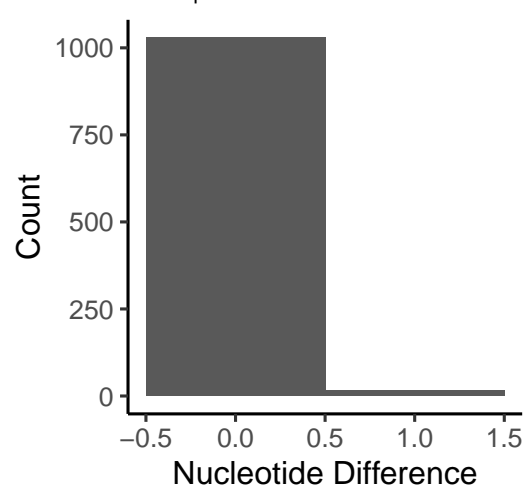
TRBV7-8*ap03

1182 sequences assigned
899 (76.1%) exact matches, in which:
881 unique CDR3
13 unique J



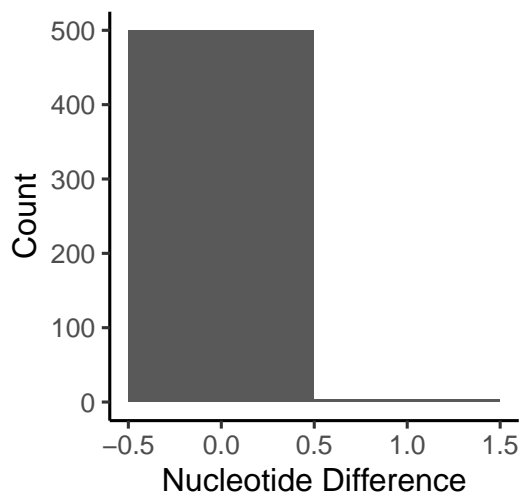
TRBV29-1*ap02

1046 sequences assigned
1029 (98.4%) exact matches, in which:
1010 unique CDR3
13 unique J



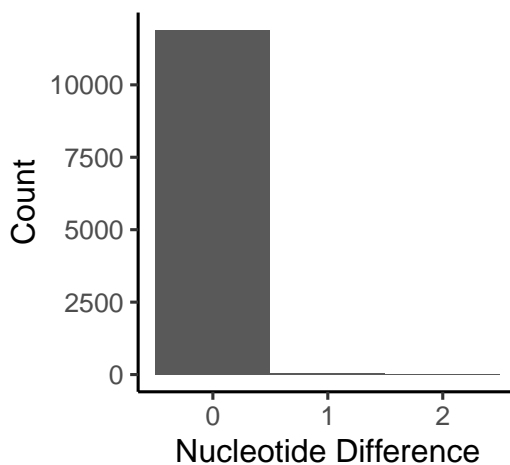
TRBV7-7*ap01_C315T

503 sequences assigned
500 (99.4%) exact matches, in which:
489 unique CDR3
13 unique J

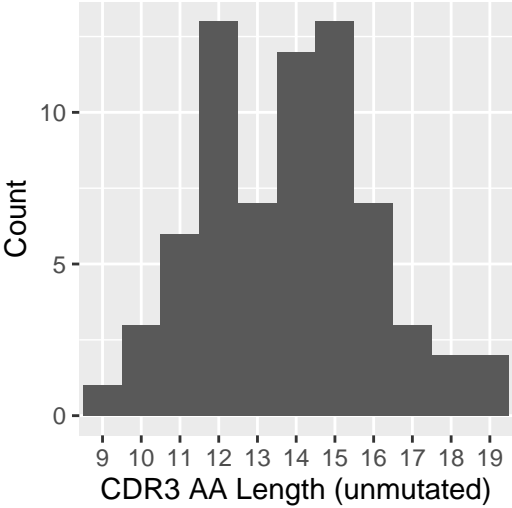


TRBV7-9*ap01

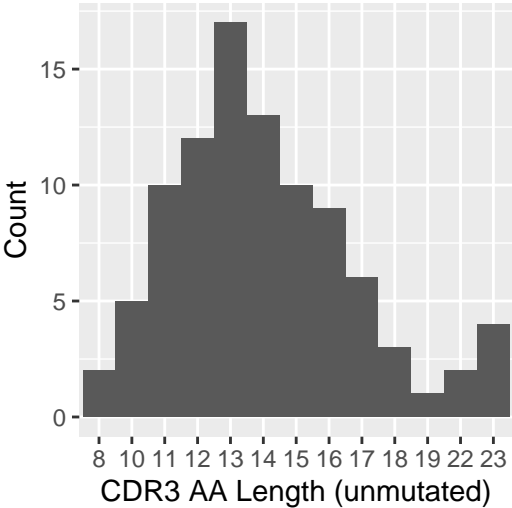
11968 sequences assigned
11900 (99.4%) exact matches, in which:
11711 unique CDR3
13 unique J



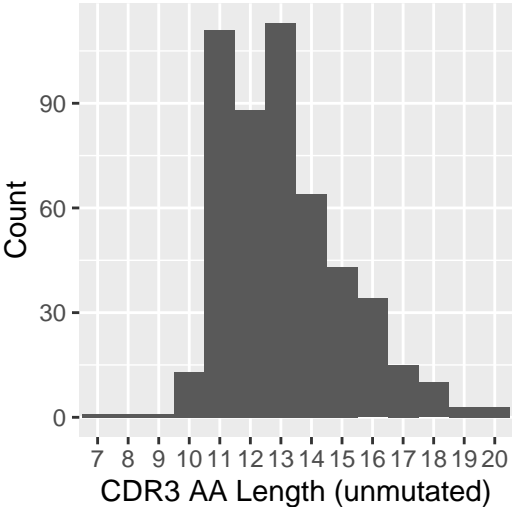
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]