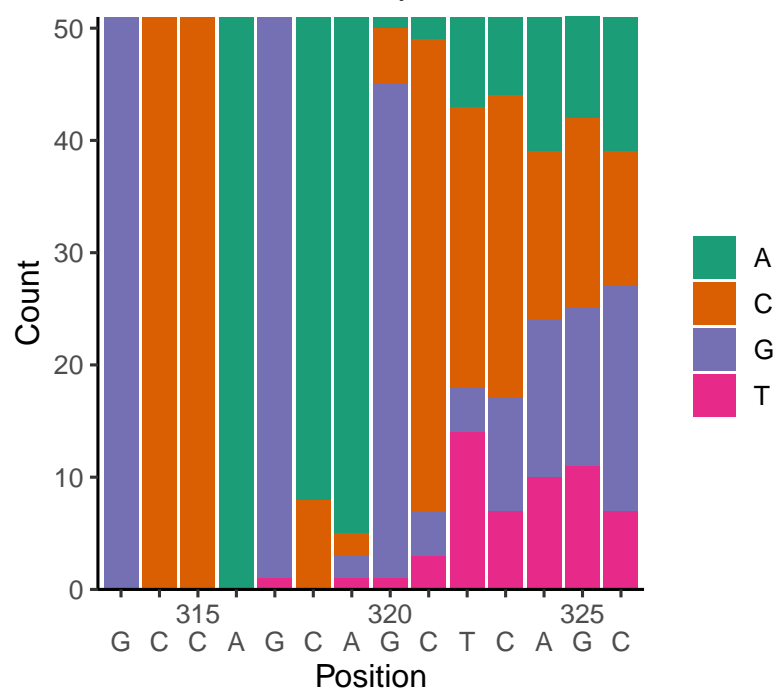
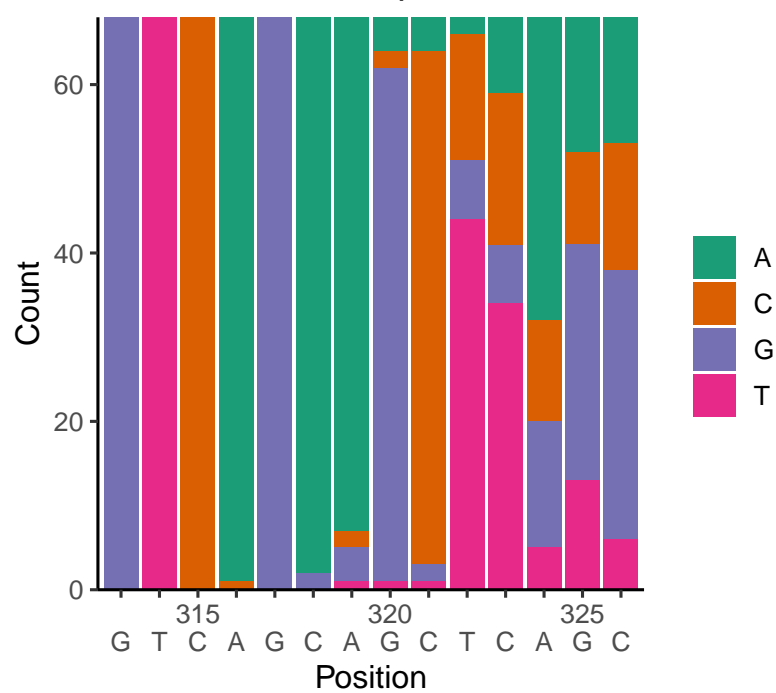


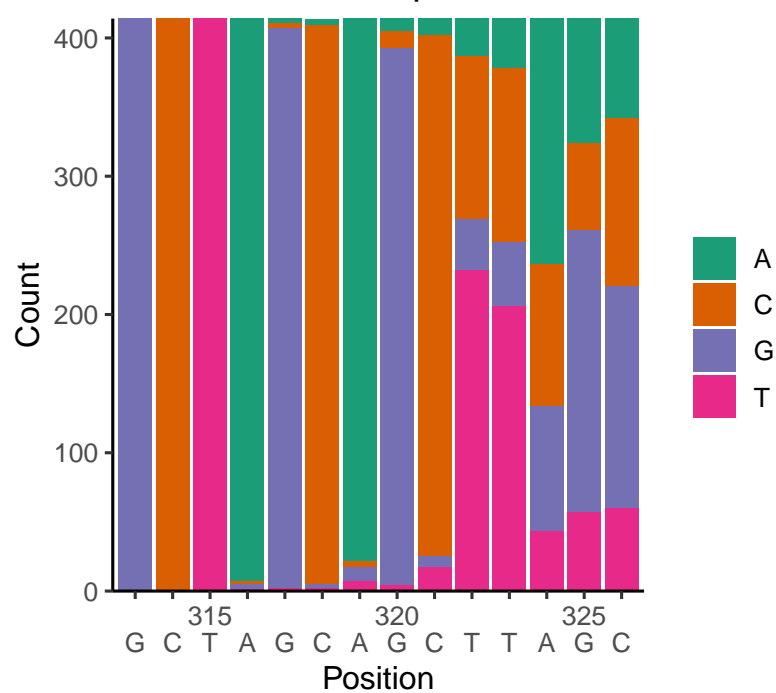
Gene TRBV7-1*ap01_T296C



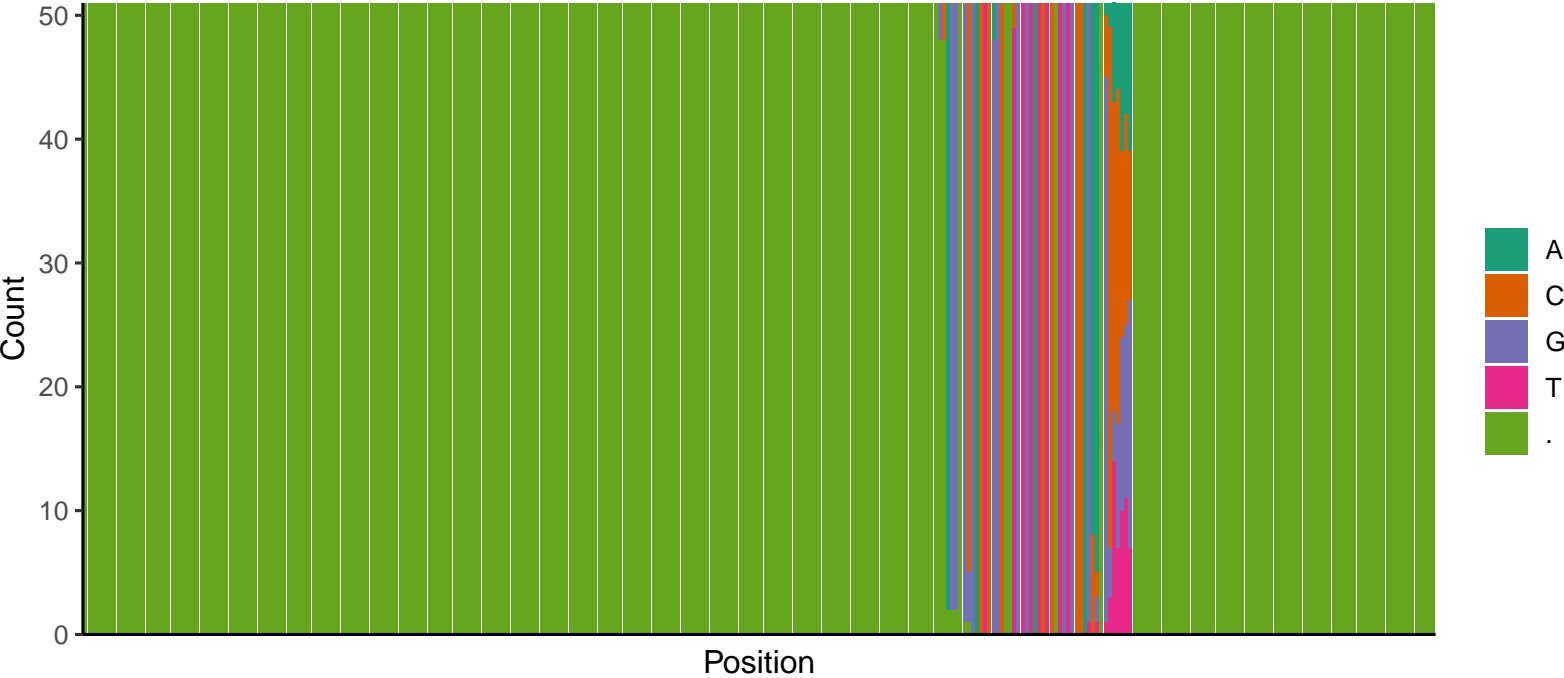
Gene TRBV7-1*ap01_T296C_C314T



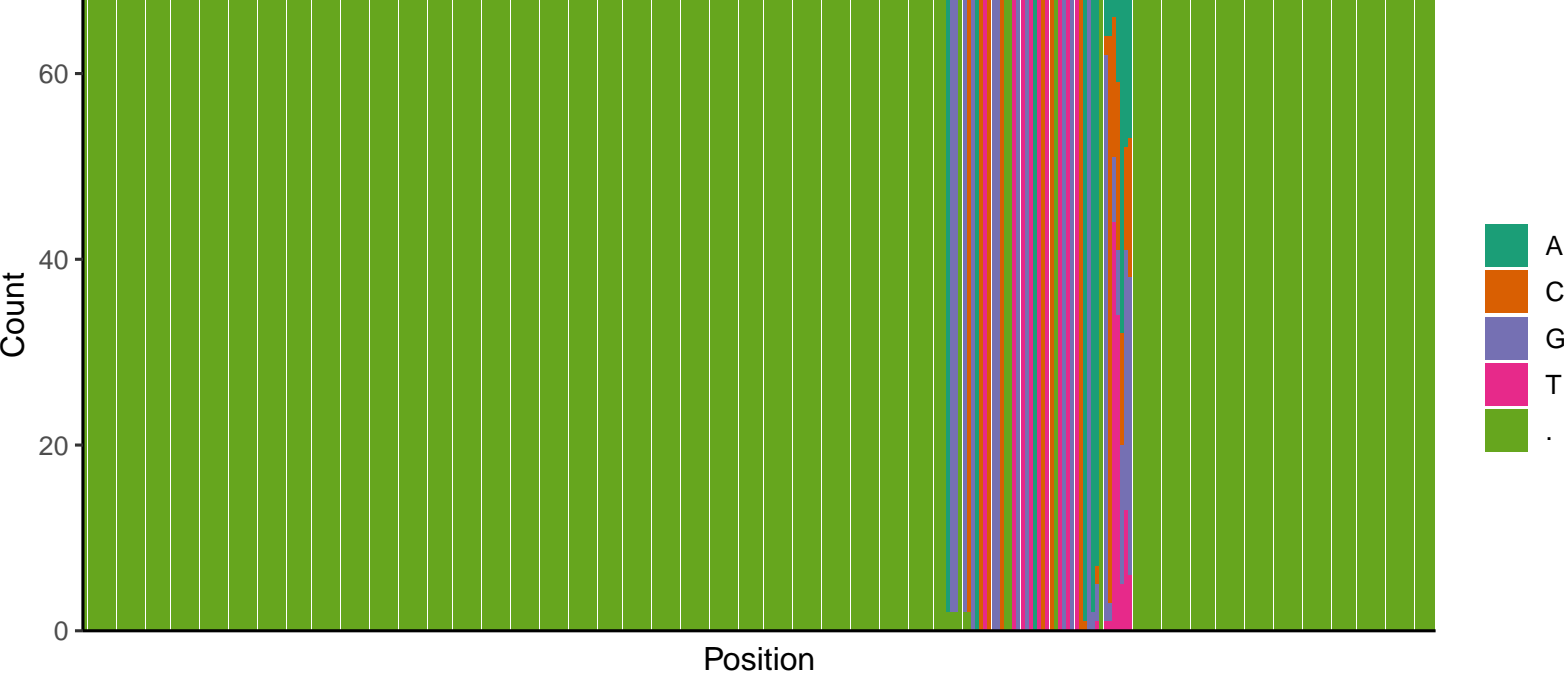
Gene TRBV7-7*ap01_C315T



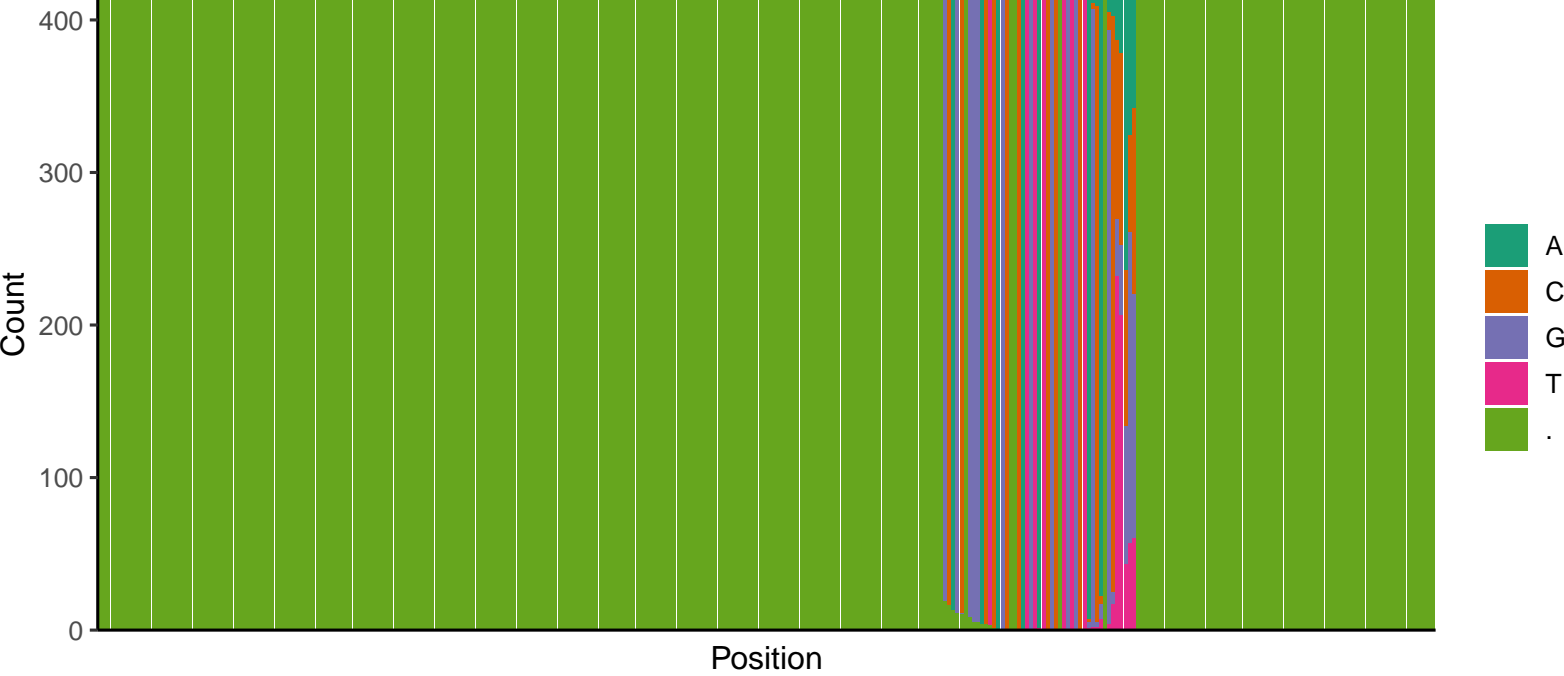
Gene TRBV7-1*ap01_T296C



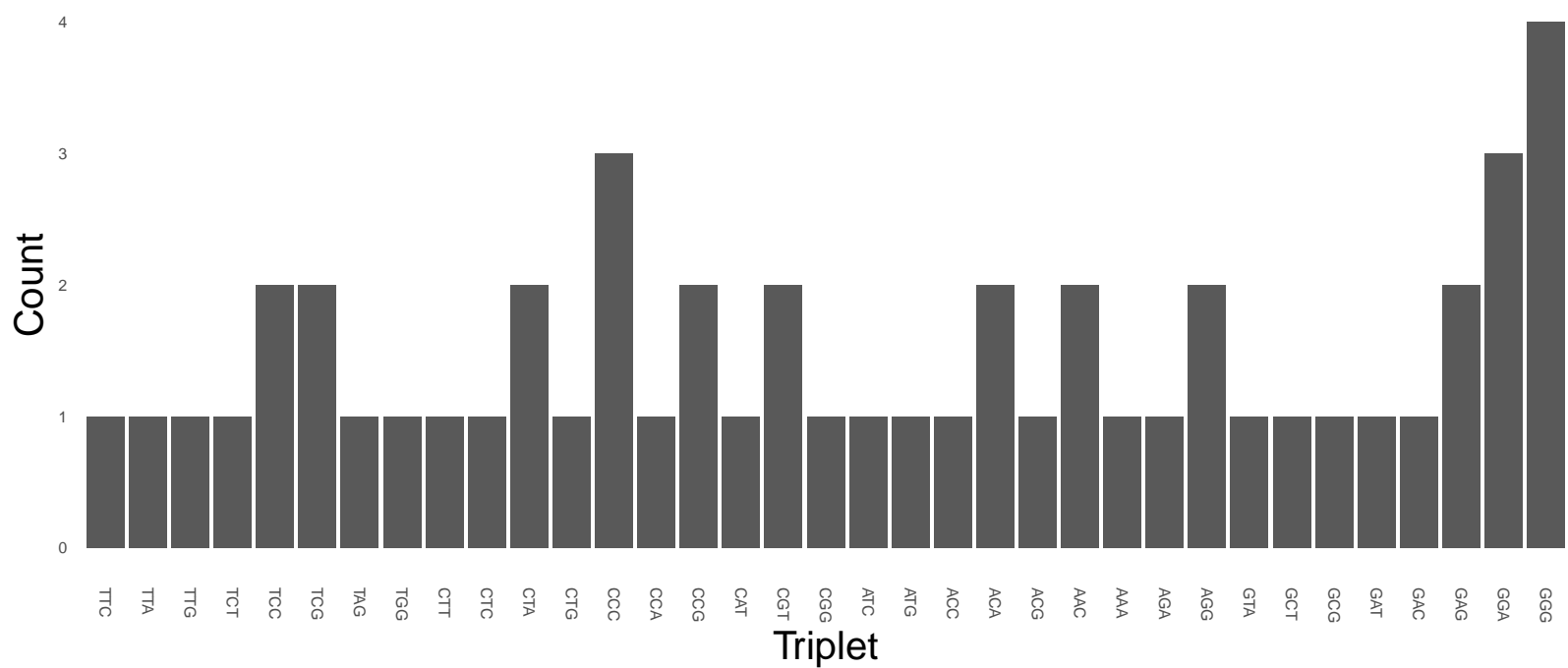
Gene TRBV7-1*ap01_T296C_C314T



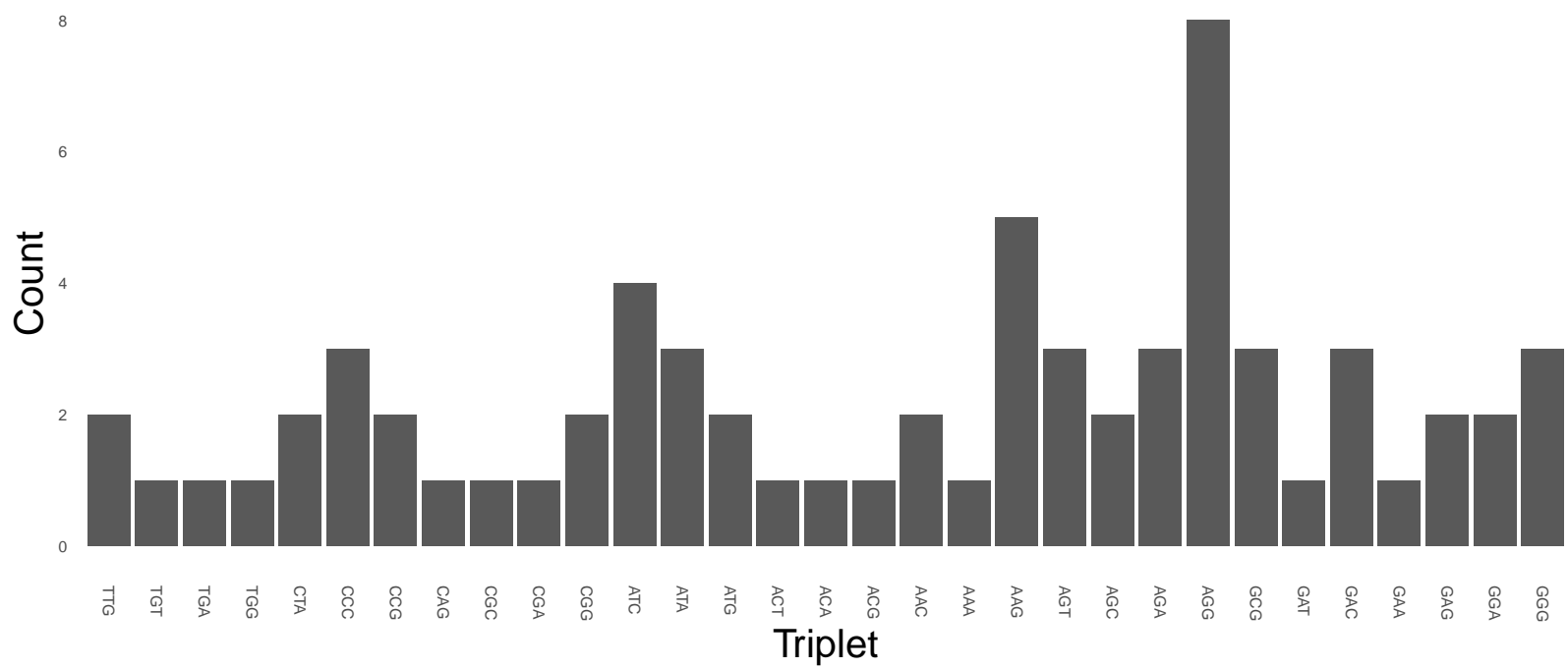
Gene TRBV7-7*ap01_C315T



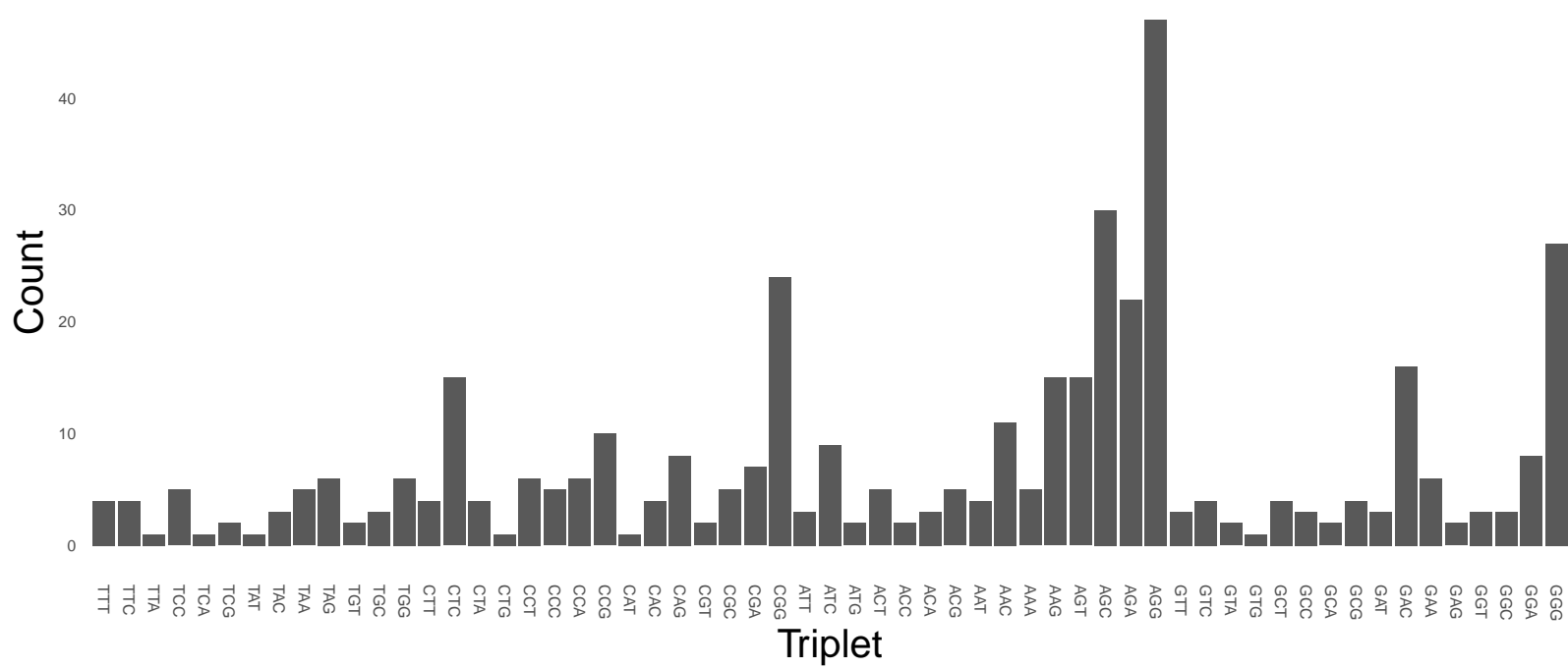
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

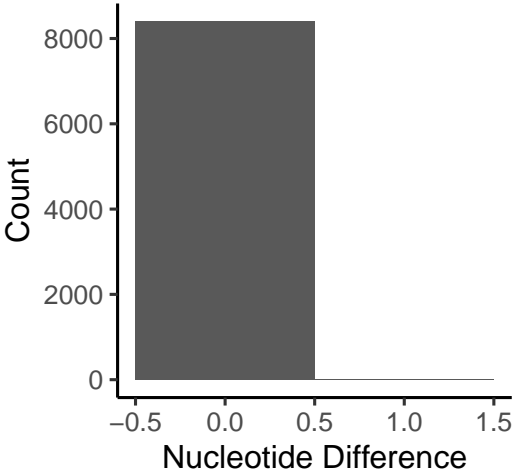


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



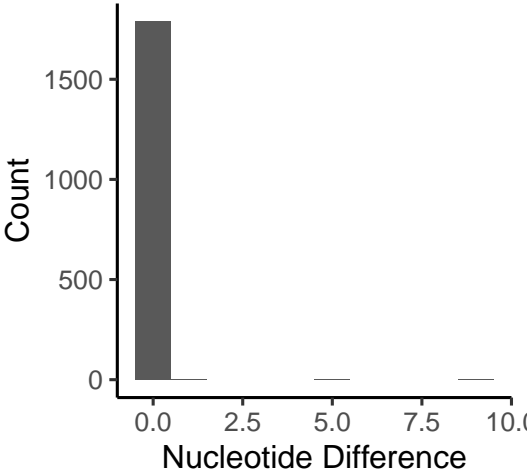
TRBV20-1*ap01

8419 sequences assigned
8401 (99.8%) exact matches, in which:
8395 unique CDR3
13 unique J



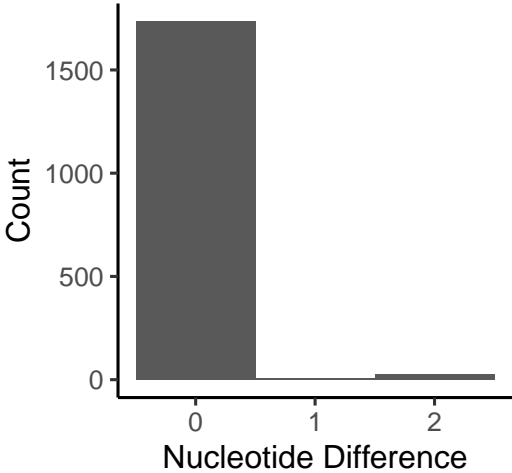
TRBV10-2*ap01

1792 sequences assigned
1789 (99.8%) exact matches, in which:
1789 unique CDR3
13 unique J



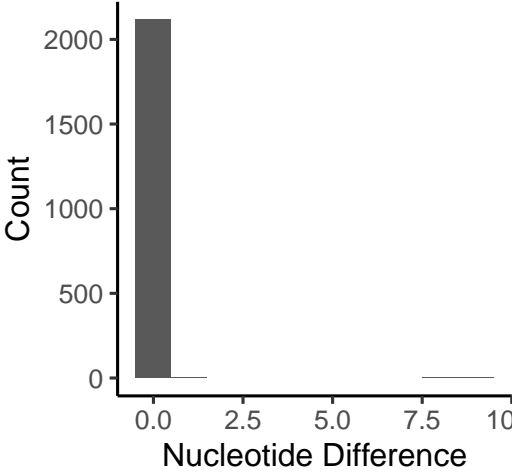
TRBV13*ap01

1766 sequences assigned
1735 (98.2%) exact matches, in which:
1729 unique CDR3
13 unique J



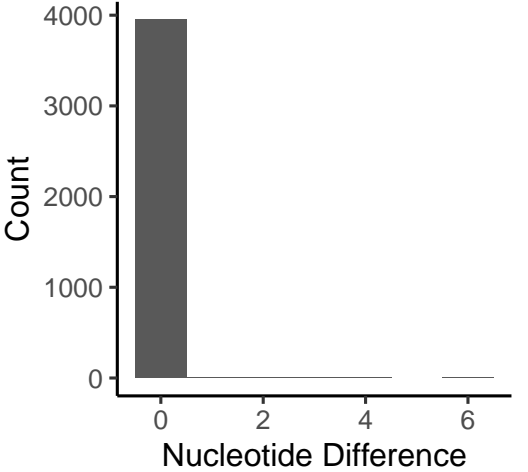
TRBV10-1*ap01

2122 sequences assigned
2116 (99.7%) exact matches, in which:
2114 unique CDR3
13 unique J



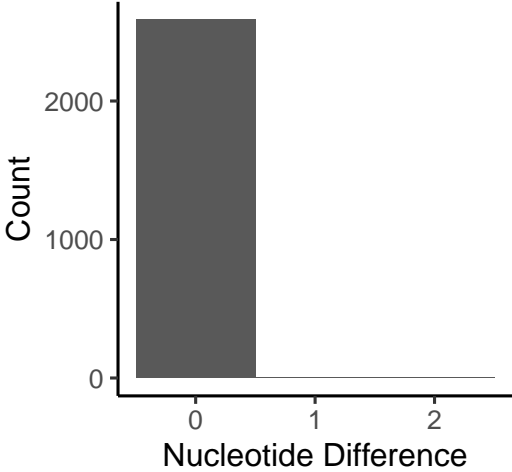
TRBV10-3*ap01

3964 sequences assigned
3950 (99.6%) exact matches, in which:
3949 unique CDR3
13 unique J



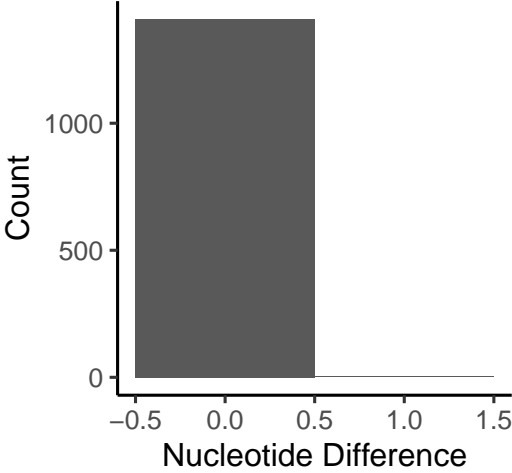
TRBV14*ap01

2592 sequences assigned
2587 (99.8%) exact matches, in which:
2585 unique CDR3
13 unique J



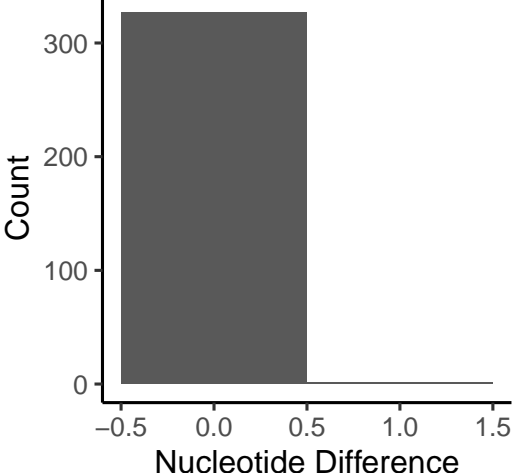
TRBV20-1*ap02

1413 sequences assigned
1410 (99.8%) exact matches, in which:
1402 unique CDR3
13 unique J



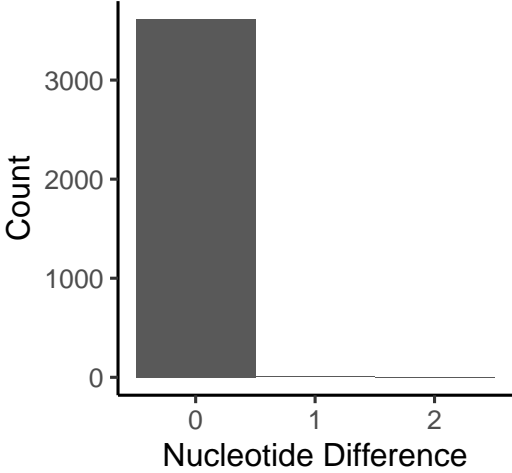
TRBV1*ap01

328 sequences assigned
327 (99.7%) exact matches, in which:
327 unique CDR3
13 unique J



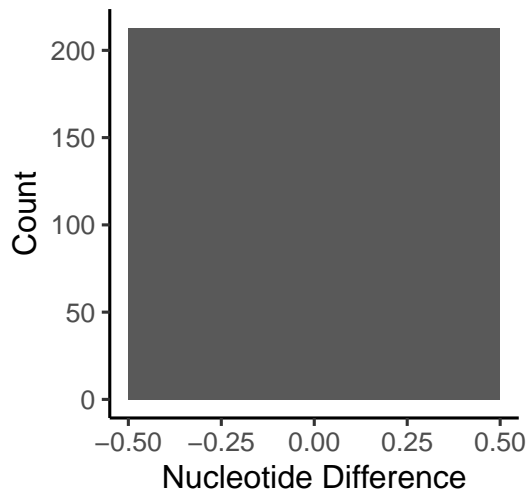
TRBV15*ap02

3624 sequences assigned
3616 (99.8%) exact matches, in which:
3607 unique CDR3
13 unique J



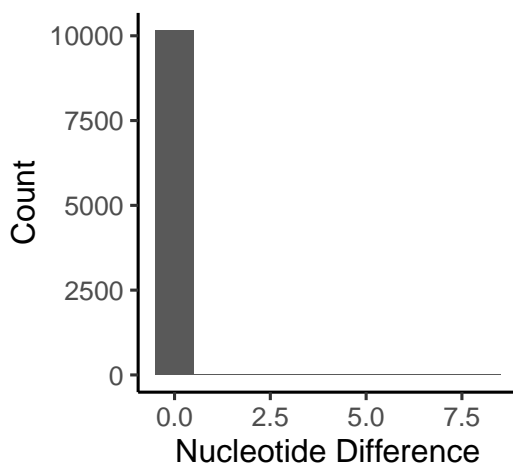
TRBV16*ap01

213 sequences assigned
213 (100%) exact matches, in which:
213 unique CDR3
12 unique J



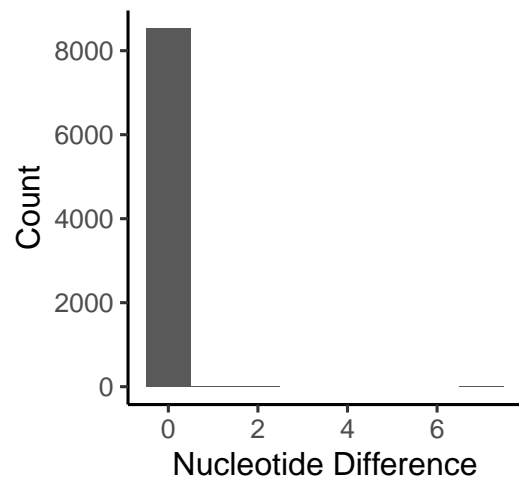
TRBV19*ap01

10193 sequences assigned
10166 (99.7%) exact matches, in which:
10164 unique CDR3
13 unique J



TRBV28*ap01

8542 sequences assigned
8530 (99.9%) exact matches, in which:
8527 unique CDR3
13 unique J



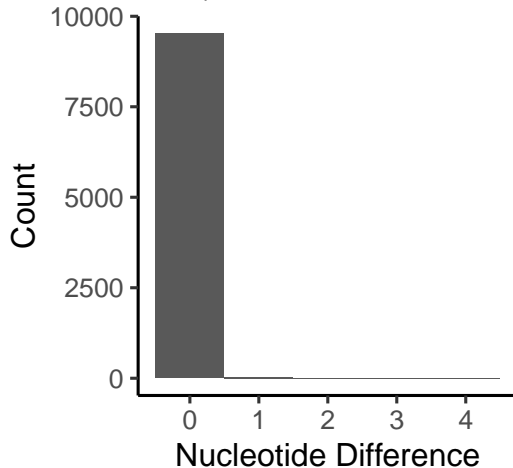
TRBV17*ap01

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



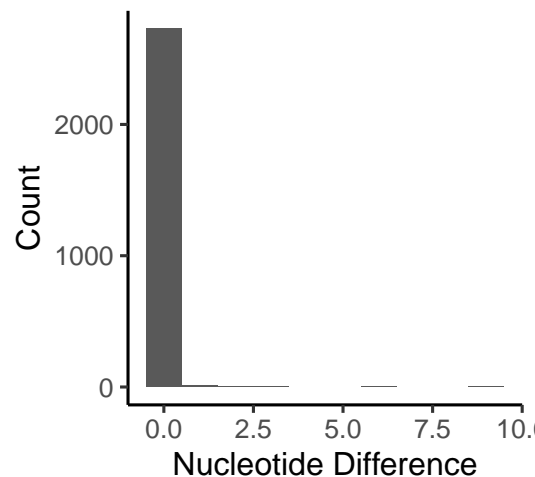
TRBV2*ap01

9573 sequences assigned
9525 (99.5%) exact matches, in which:
9499 unique CDR3
13 unique J



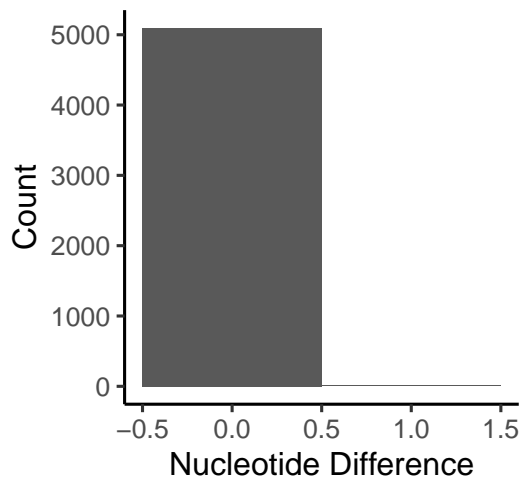
TRBV30*ap02

2744 sequences assigned
2729 (99.5%) exact matches, in which:
2727 unique CDR3
13 unique J



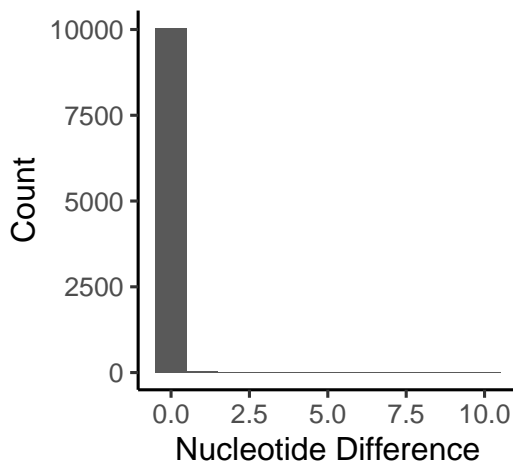
TRBV18*ap01

5104 sequences assigned
5095 (99.8%) exact matches, in which:
5091 unique CDR3
13 unique J



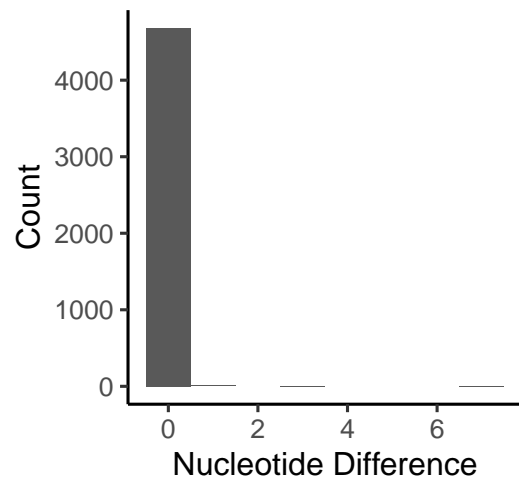
TRBV27*ap01

10099 sequences assigned
10050 (99.5%) exact matches, in which:
10031 unique CDR3
13 unique J



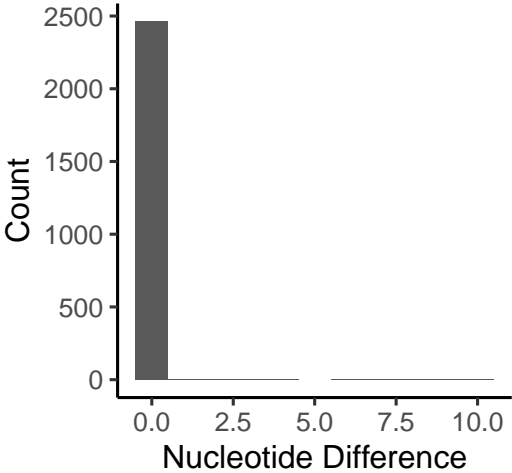
TRBV9*ap01

4693 sequences assigned
4681 (99.7%) exact matches, in which:
4673 unique CDR3
13 unique J



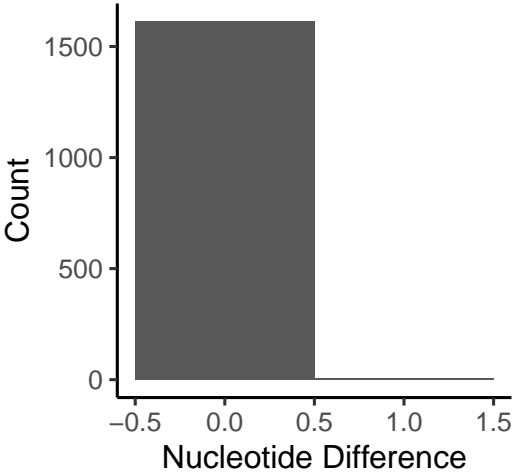
TRBV21-1*ap01

2484 sequences assigned
2463 (99.2%) exact matches, in which:
2463 unique CDR3
13 unique J



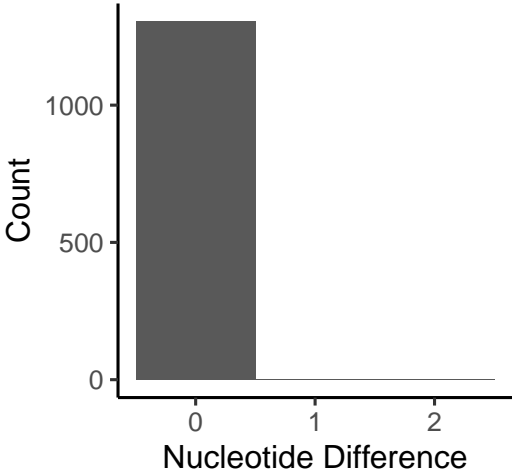
TRBV11-3*ap01

1618 sequences assigned
1613 (99.7%) exact matches, in which:
1613 unique CDR3
13 unique J



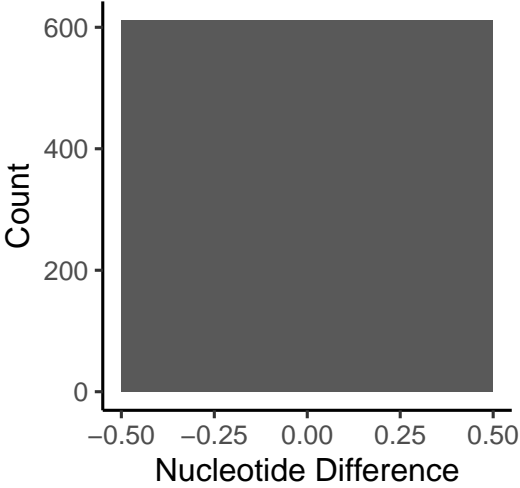
TRBV12-5*ap01

1308 sequences assigned
1305 (99.8%) exact matches, in which:
1305 unique CDR3
13 unique J



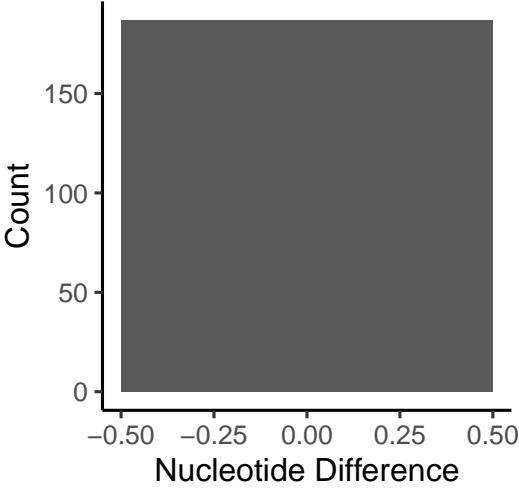
TRBV11-1*ap01

612 sequences assigned
612 (100%) exact matches, in which:
612 unique CDR3
13 unique J



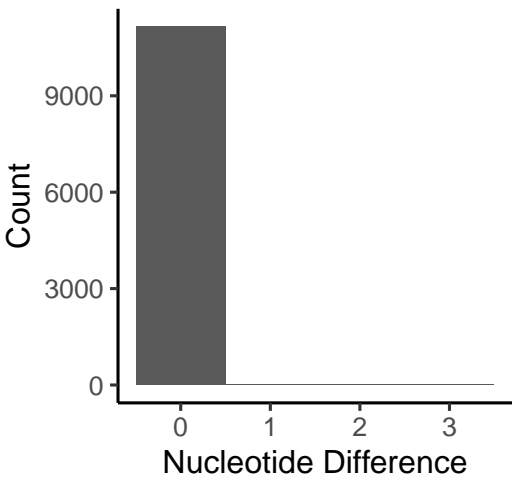
TRBV12-1*ap01

187 sequences assigned
187 (100%) exact matches, in which:
187 unique CDR3
13 unique J



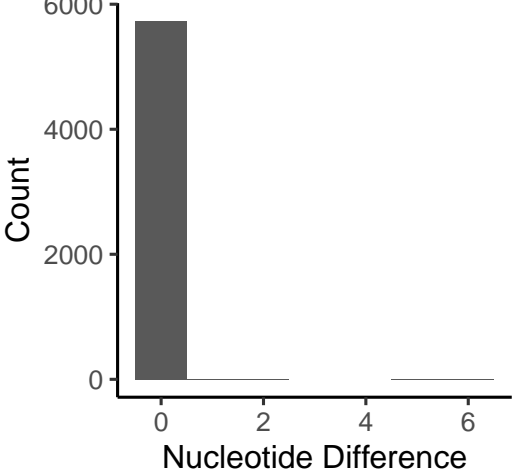
TRBV12-34*ap01

11180 sequences assigned
11149 (99.7%) exact matches, in which:
11146 unique CDR3
13 unique J



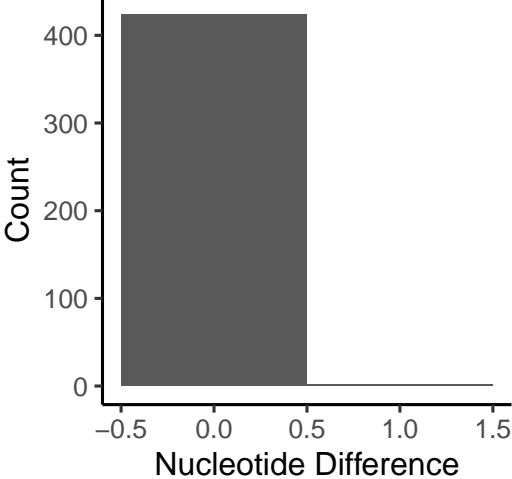
TRBV11-2*ap01

5743 sequences assigned
5731 (99.8%) exact matches, in which:
5727 unique CDR3
13 unique J



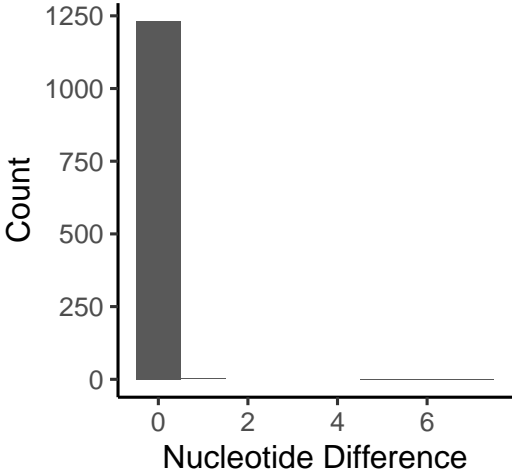
TRBV12-2*ap01

426 sequences assigned
424 (99.5%) exact matches, in which:
424 unique CDR3
13 unique J



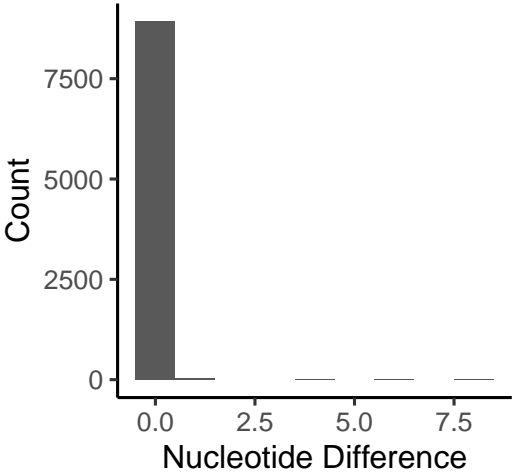
TRBV23-1*ap01

1238 sequences assigned
1232 (99.5%) exact matches, in which:
1232 unique CDR3
13 unique J



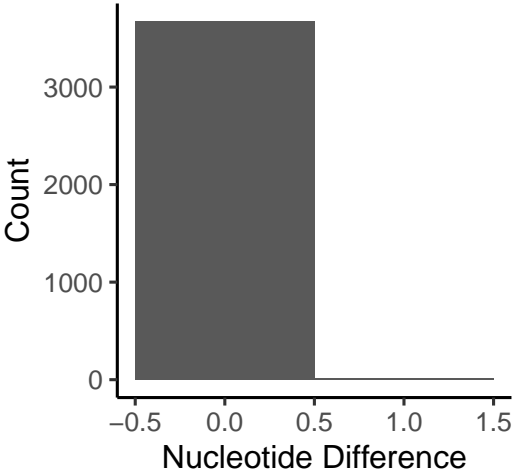
TRBV3-12*ap01

8971 sequences assigned
8927 (99.5%) exact matches, in which:
8916 unique CDR3
13 unique J



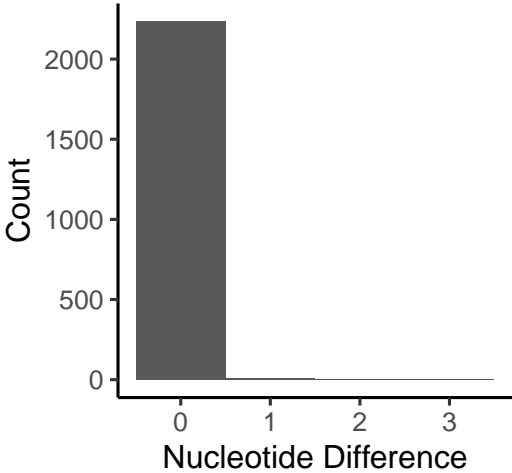
TRBV4-2*ap01

3691 sequences assigned
3673 (99.5%) exact matches, in which:
3670 unique CDR3
13 unique J



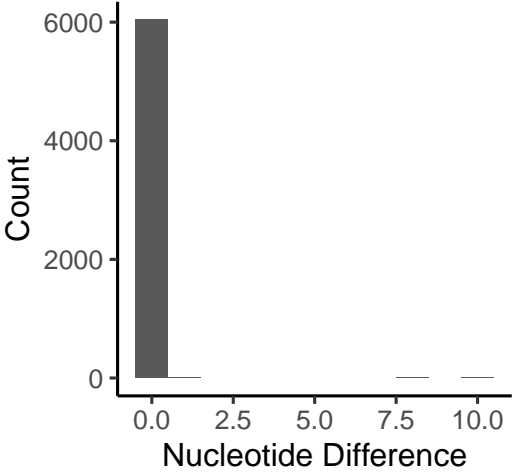
TRBV25-1*ap01

2249 sequences assigned
2235 (99.4%) exact matches, in which:
2228 unique CDR3
13 unique J



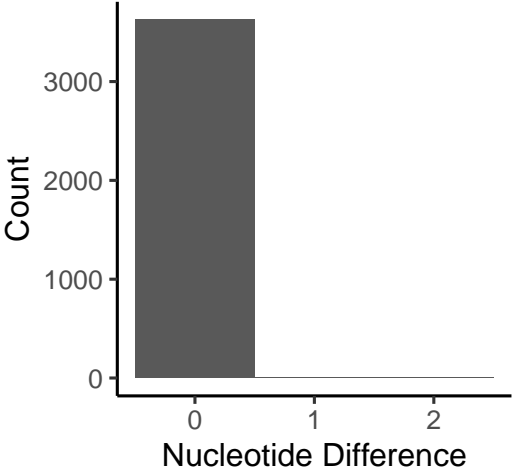
TRBV4-1*ap01

6053 sequences assigned
6041 (99.8%) exact matches, in which:
6034 unique CDR3
13 unique J



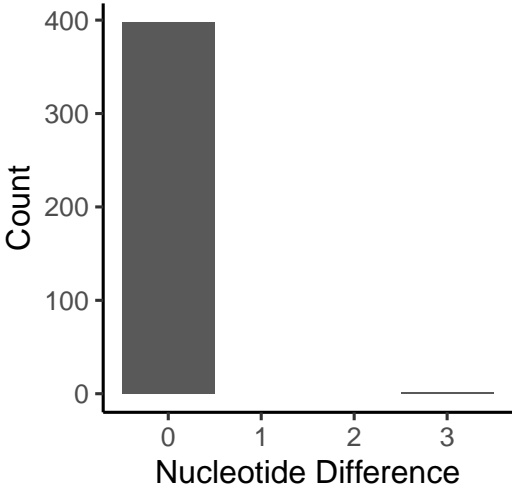
TRBV4-3*ap01

3635 sequences assigned
3626 (99.8%) exact matches, in which:
3619 unique CDR3
13 unique J



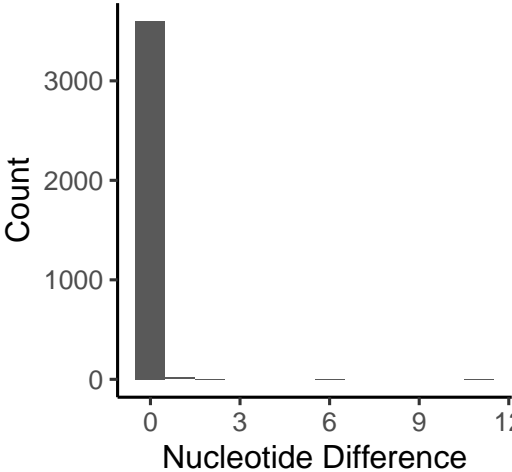
TRBV5-3*ap01

400 sequences assigned
398 (99.5%) exact matches, in which:
398 unique CDR3
13 unique J



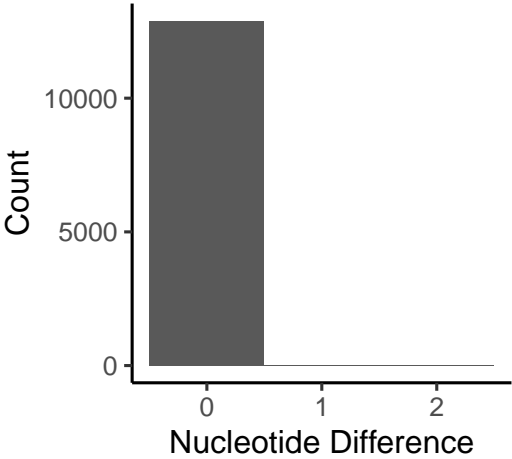
TRBV24-1*ap01

3623 sequences assigned
3601 (99.4%) exact matches, in which:
3598 unique CDR3
13 unique J



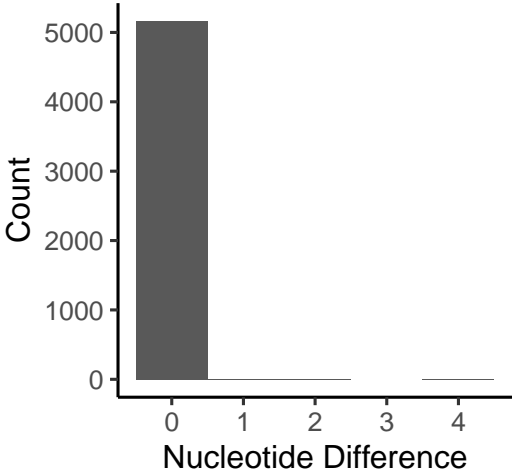
TRBV5-1*ap01

12928 sequences assigned
12895 (99.7%) exact matches, in which:
12841 unique CDR3
13 unique J



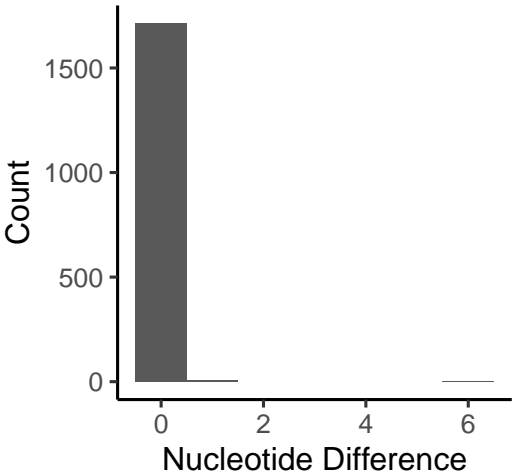
TRBV5-4*ap01

5171 sequences assigned
5164 (99.9%) exact matches, in which:
5156 unique CDR3
13 unique J



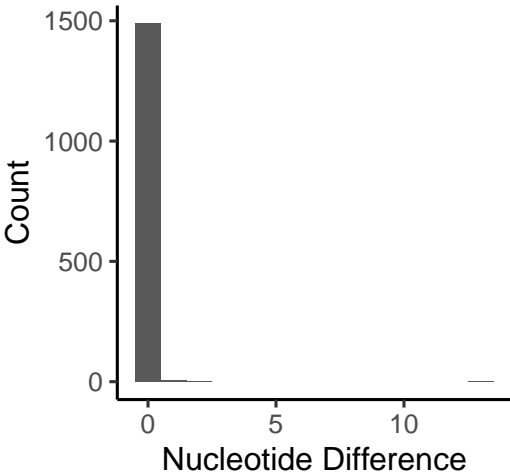
TRBV5-5*ap01

1719 sequences assigned
1713 (99.7%) exact matches, in which:
1711 unique CDR3
13 unique J



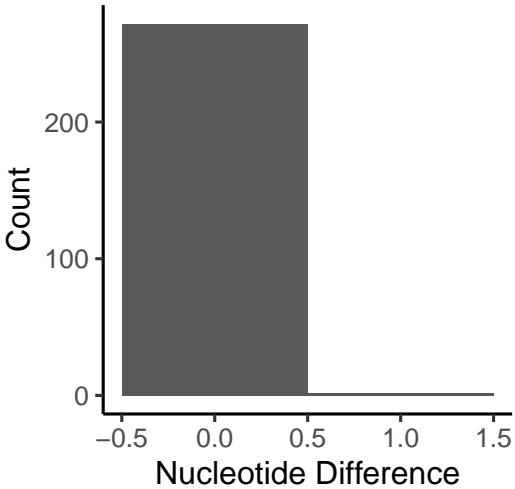
TRBV5-8*ap01

1496 sequences assigned
1489 (99.5%) exact matches, in which:
1489 unique CDR3
13 unique J



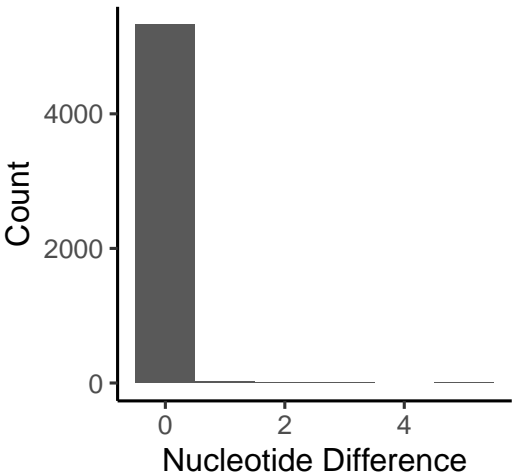
TRBV6-7*ap01

274 sequences assigned
272 (99.3%) exact matches, in which:
269 unique CDR3
13 unique J



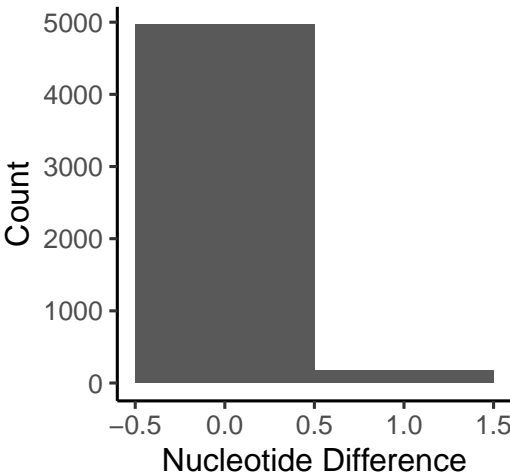
TRBV5-6*ap01

5346 sequences assigned
5324 (99.6%) exact matches, in which:
5297 unique CDR3
13 unique J



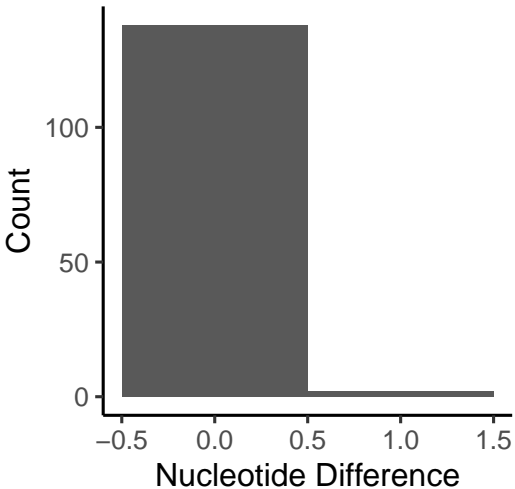
TRBV6-1*ap01

5145 sequences assigned
4965 (96.5%) exact matches, in which:
4953 unique CDR3
13 unique J



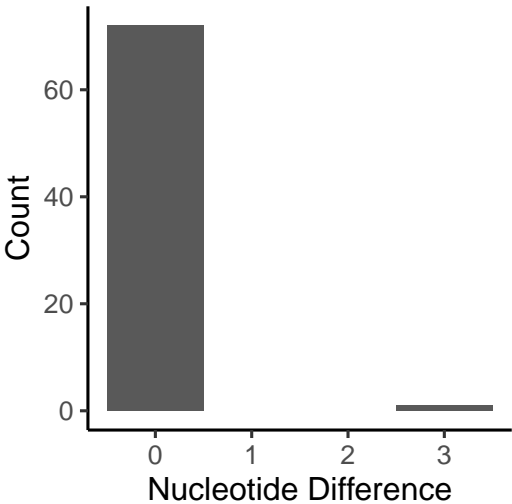
TRBV6-8*ap01

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



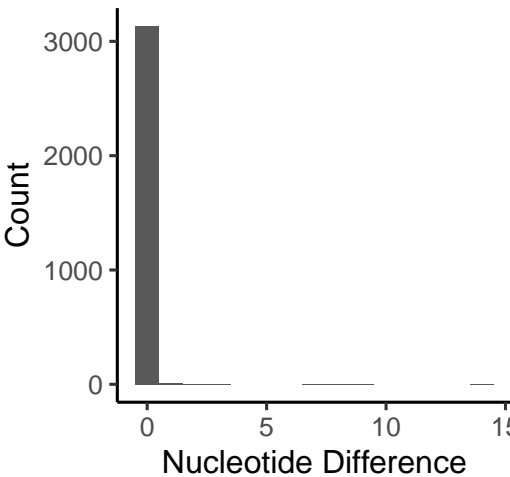
TRBV5-7*ap01

73 sequences assigned
72 (98.6%) exact matches, in which:
72 unique CDR3
13 unique J



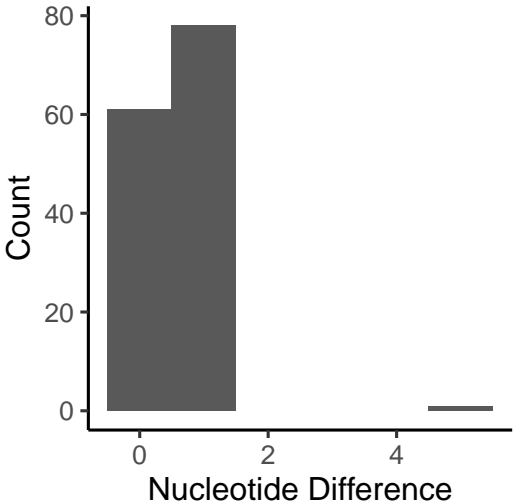
TRBV6-4*ap01

3153 sequences assigned
3134 (99.4%) exact matches, in which:
3131 unique CDR3
13 unique J



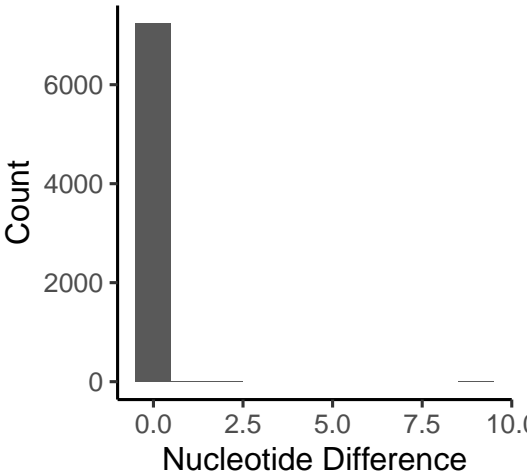
TRBV6-9*ap01

140 sequences assigned
61 (43.6%) exact matches, in which:
61 unique CDR3
13 unique J



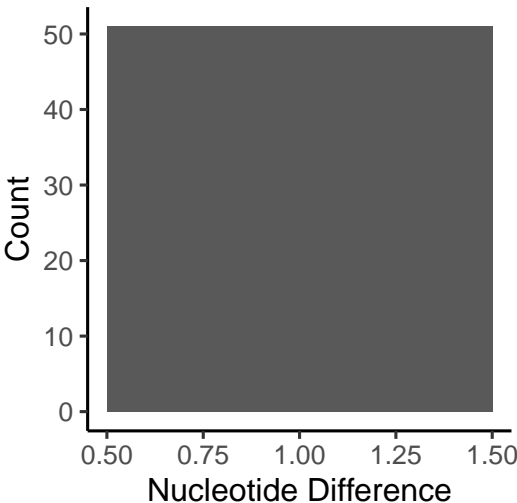
TRBV6-23*ap01

7262 sequences assigned
7238 (99.7%) exact matches, in which:
7227 unique CDR3
13 unique J



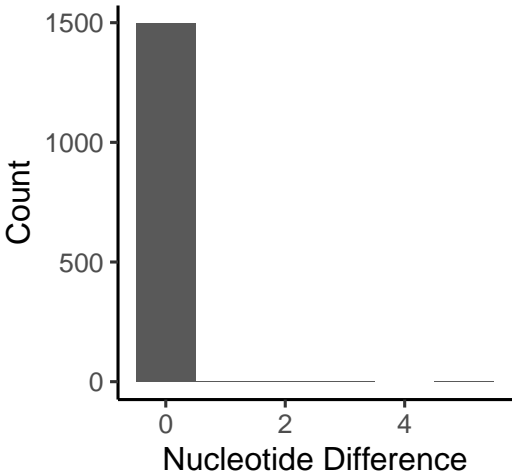
TRBV7-1*ap01_T296C

51 sequences assigned
No exact matches.



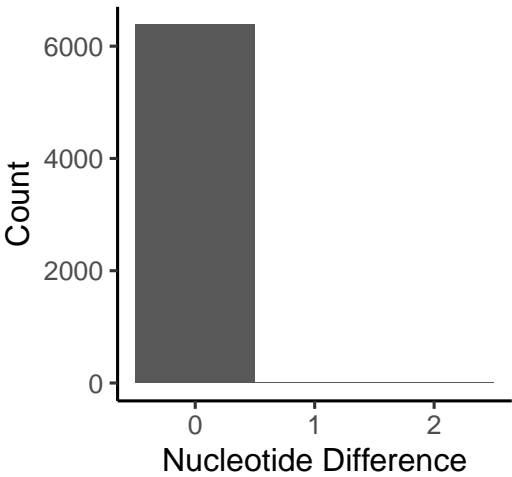
TRBV7-3*ap03

1503 sequences assigned
1497 (99.6%) exact matches, in which:
1497 unique CDR3
13 unique J



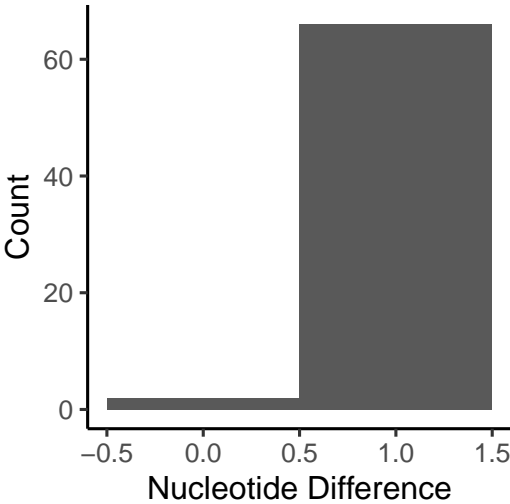
TRBV6-56*ap01

6400 sequences assigned
6382 (99.7%) exact matches, in which:
6370 unique CDR3
13 unique J



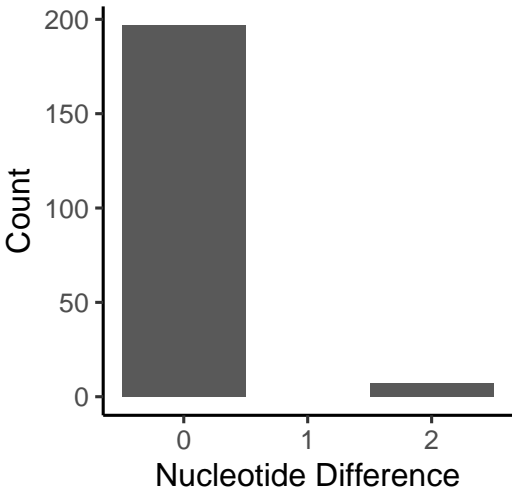
TRBV7-1*ap01_T296C_C

68 sequences assigned
2 (2.9%) exact matches, in which:
2 unique CDR3
2 unique J



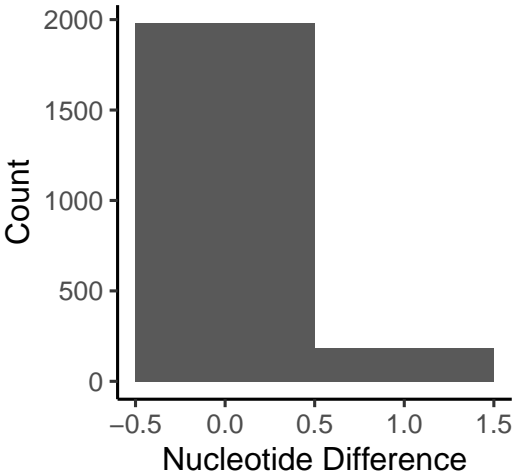
TRBV7-4*ap01

204 sequences assigned
197 (96.6%) exact matches, in which:
197 unique CDR3
13 unique J



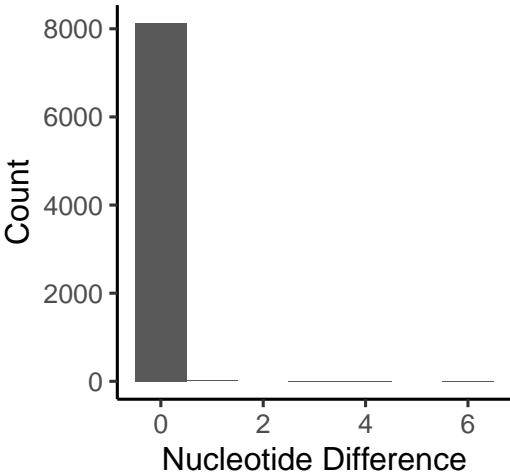
TRBV6-56*ap02

2165 sequences assigned
1981 (91.5%) exact matches, in which:
1979 unique CDR3
13 unique J



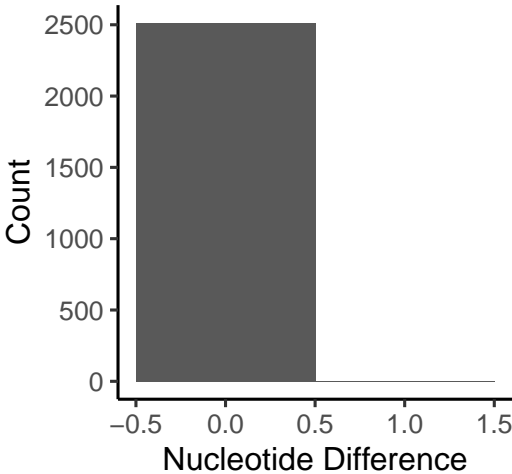
TRBV7-2*ap01

8151 sequences assigned
8130 (99.7%) exact matches, in which:
8128 unique CDR3
13 unique J



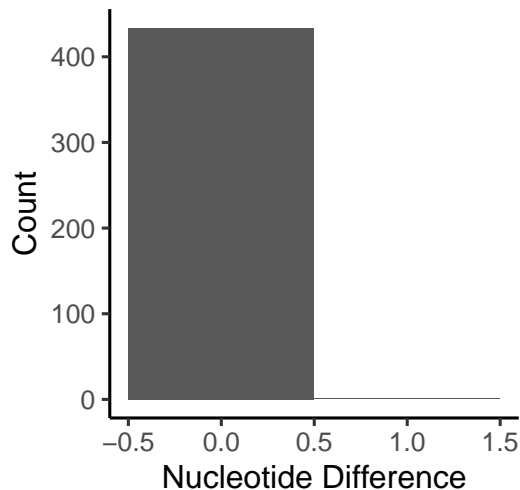
TRBV7-6*ap01

2515 sequences assigned
2512 (99.9%) exact matches, in which:
2510 unique CDR3
13 unique J



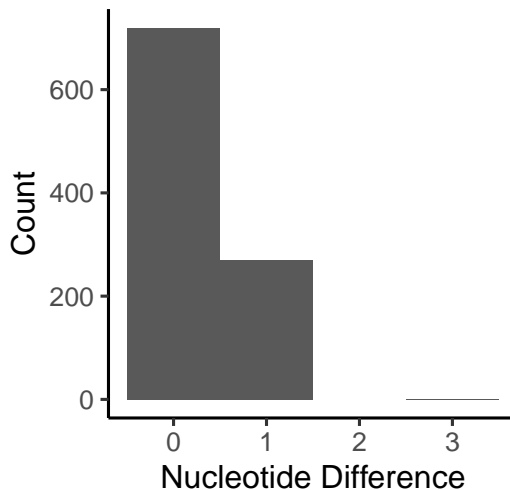
TRBV7-7*ap01

435 sequences assigned
434 (99.8%) exact matches, in which:
434 unique CDR3
13 unique J



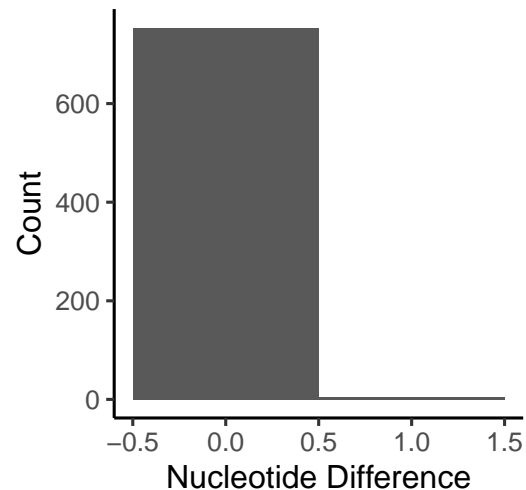
TRBV7-8*ap03

991 sequences assigned
720 (72.7%) exact matches, in which:
720 unique CDR3
13 unique J



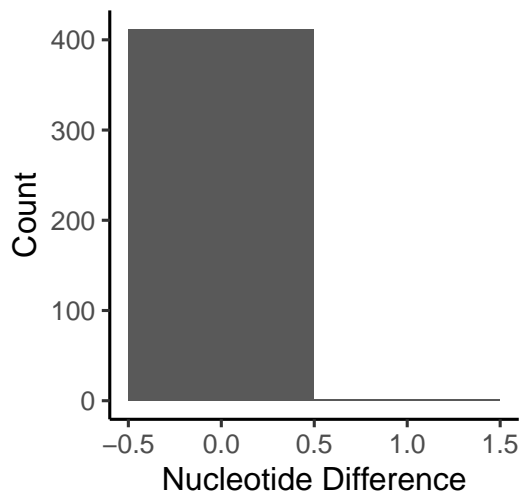
TRBV29-1*ap02

759 sequences assigned
754 (99.3%) exact matches, in which:
751 unique CDR3
13 unique J



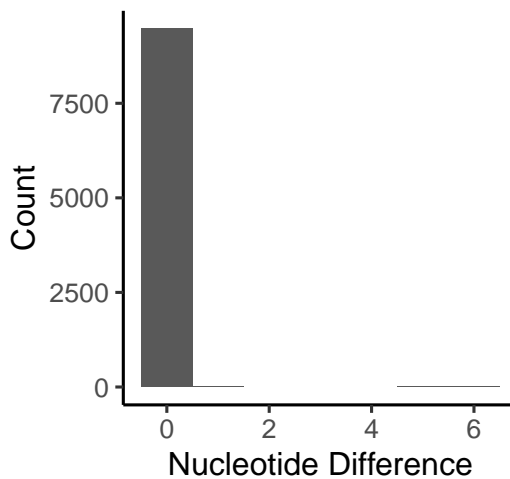
TRBV7-7*ap01_C315T

414 sequences assigned
412 (99.5%) exact matches, in which:
412 unique CDR3
13 unique J



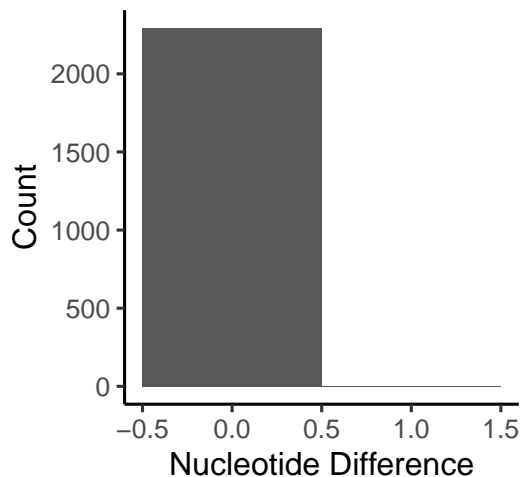
TRBV7-9*ap01

9485 sequences assigned
9471 (99.9%) exact matches, in which:
9468 unique CDR3
13 unique J



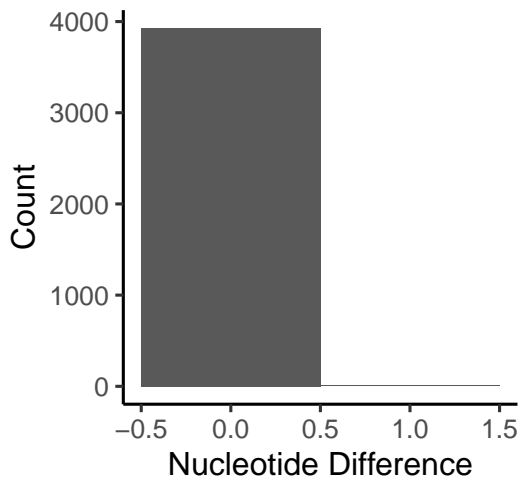
TRBV7-8*ap01

2294 sequences assigned
2293 (100%) exact matches, in which:
2293 unique CDR3
13 unique J

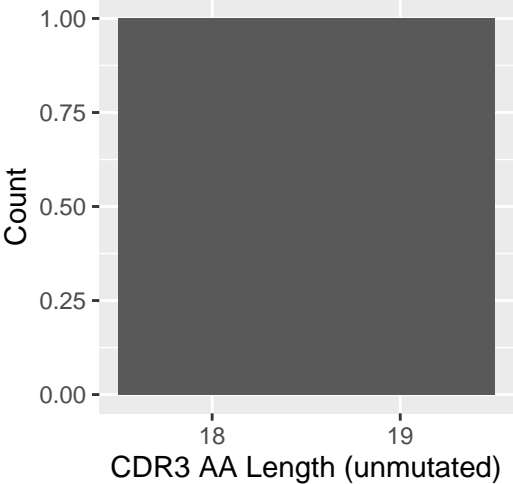


TRBV29-1*ap01

3938 sequences assigned
3929 (99.8%) exact matches, in which:
3919 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

