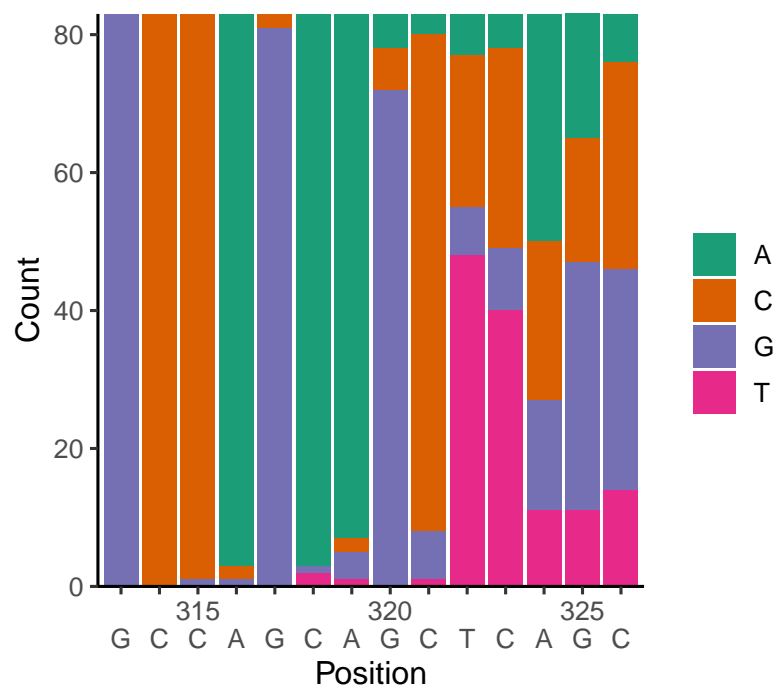
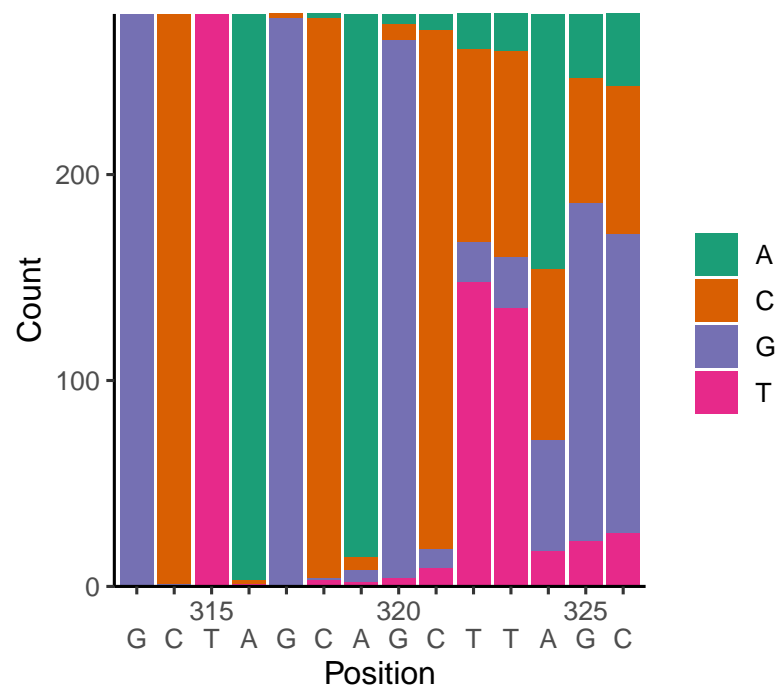


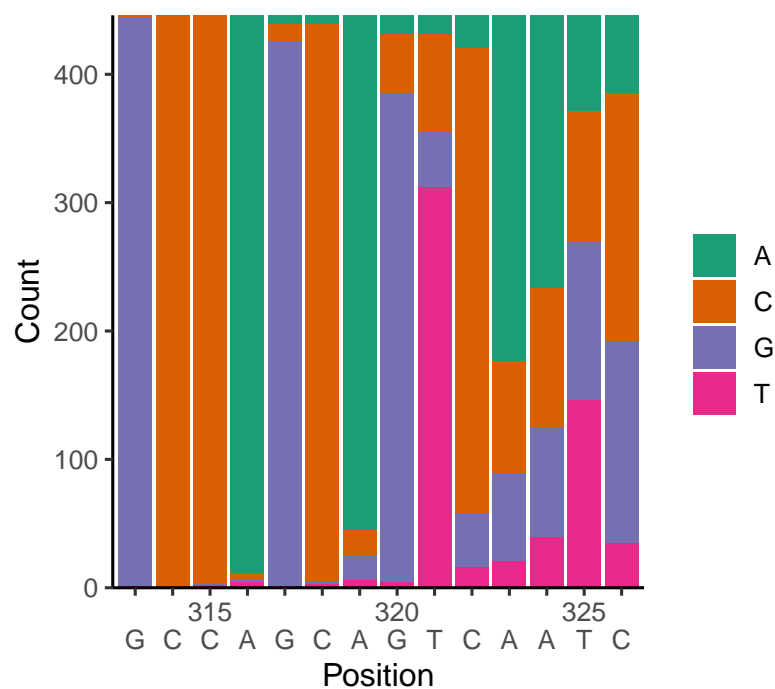
Gene TRBV7-1*ap01_G291C_T296C



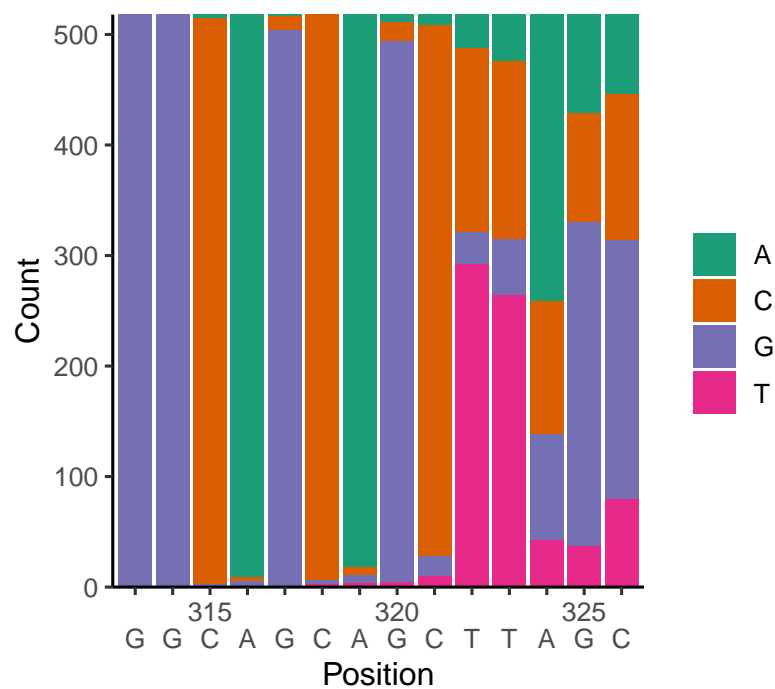
Gene TRBV7-7*ap01_C315T



Gene TRBV23-1*ap01_T304C



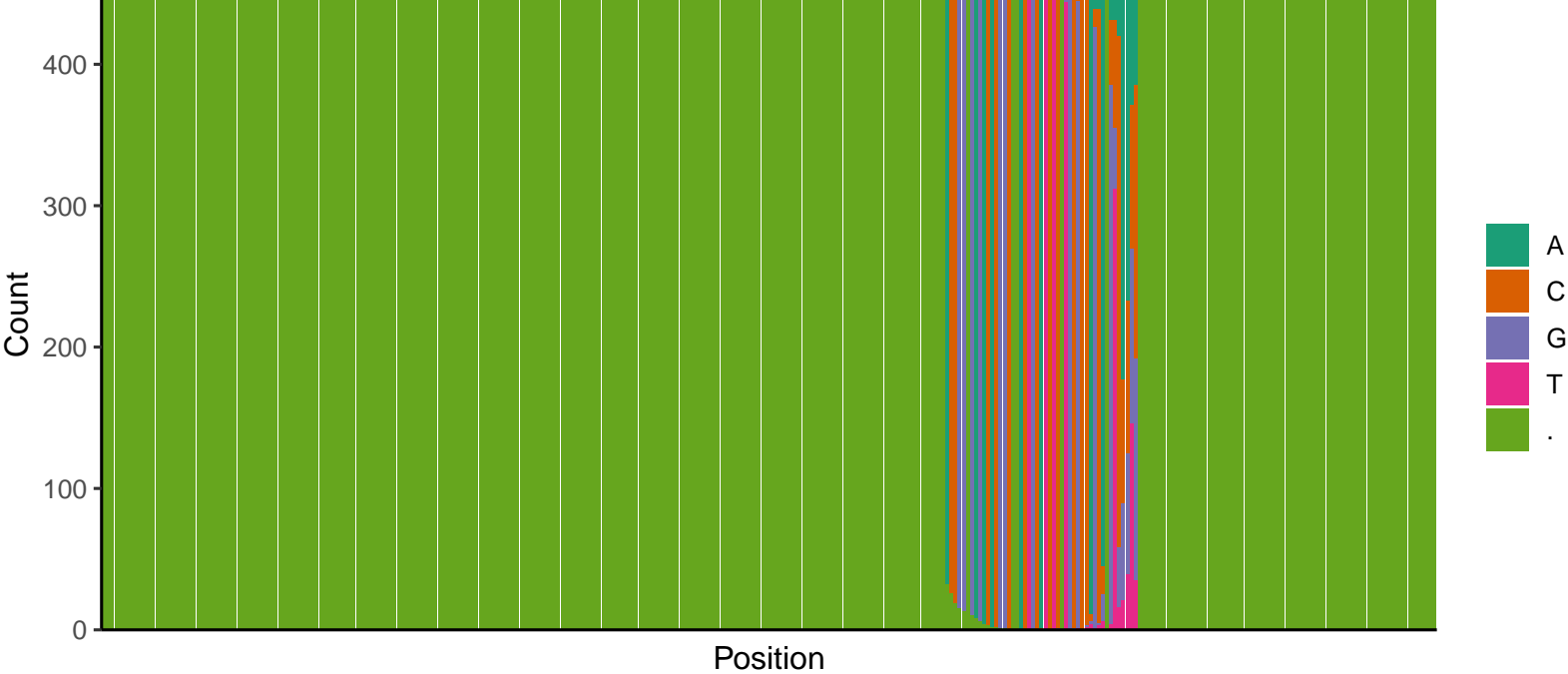
Gene TRBV7-6*ap01_C314G



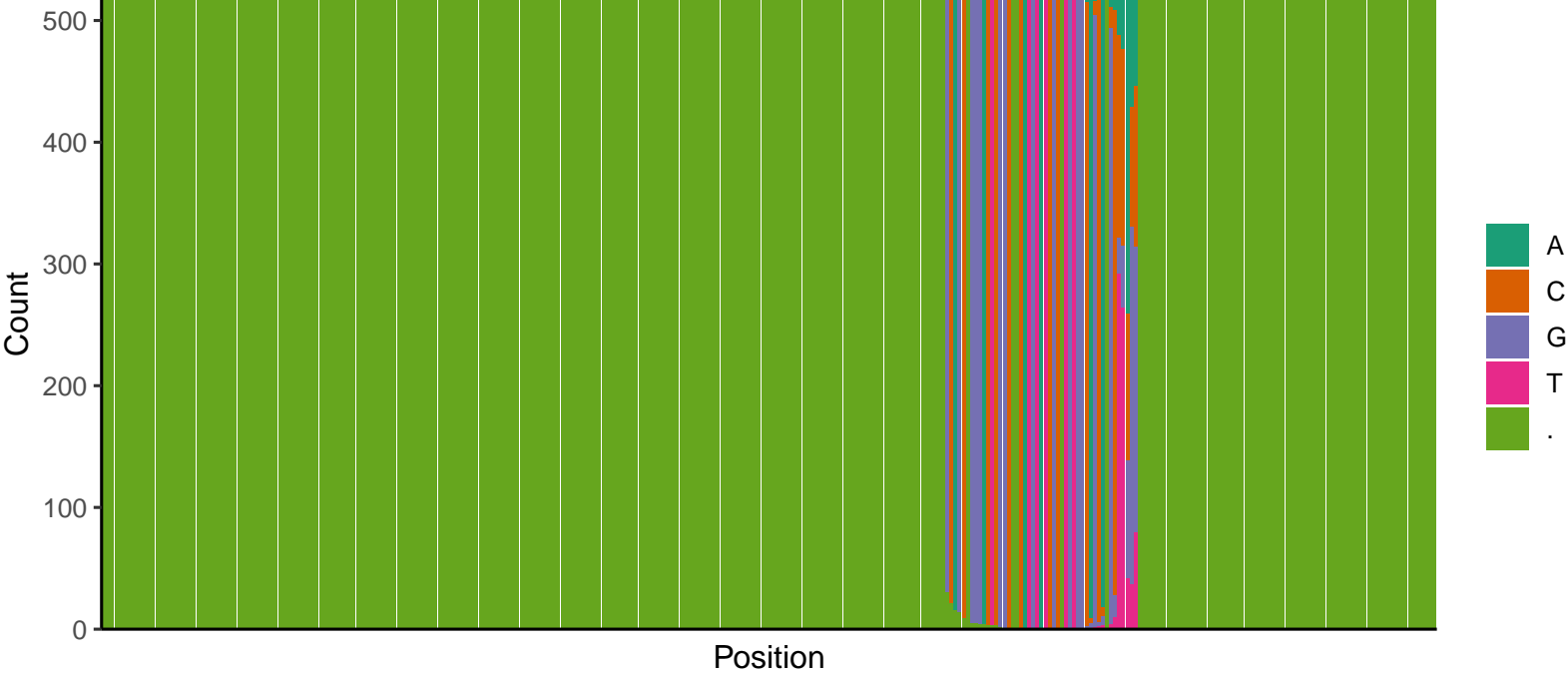
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV23-1*ap01_T304C



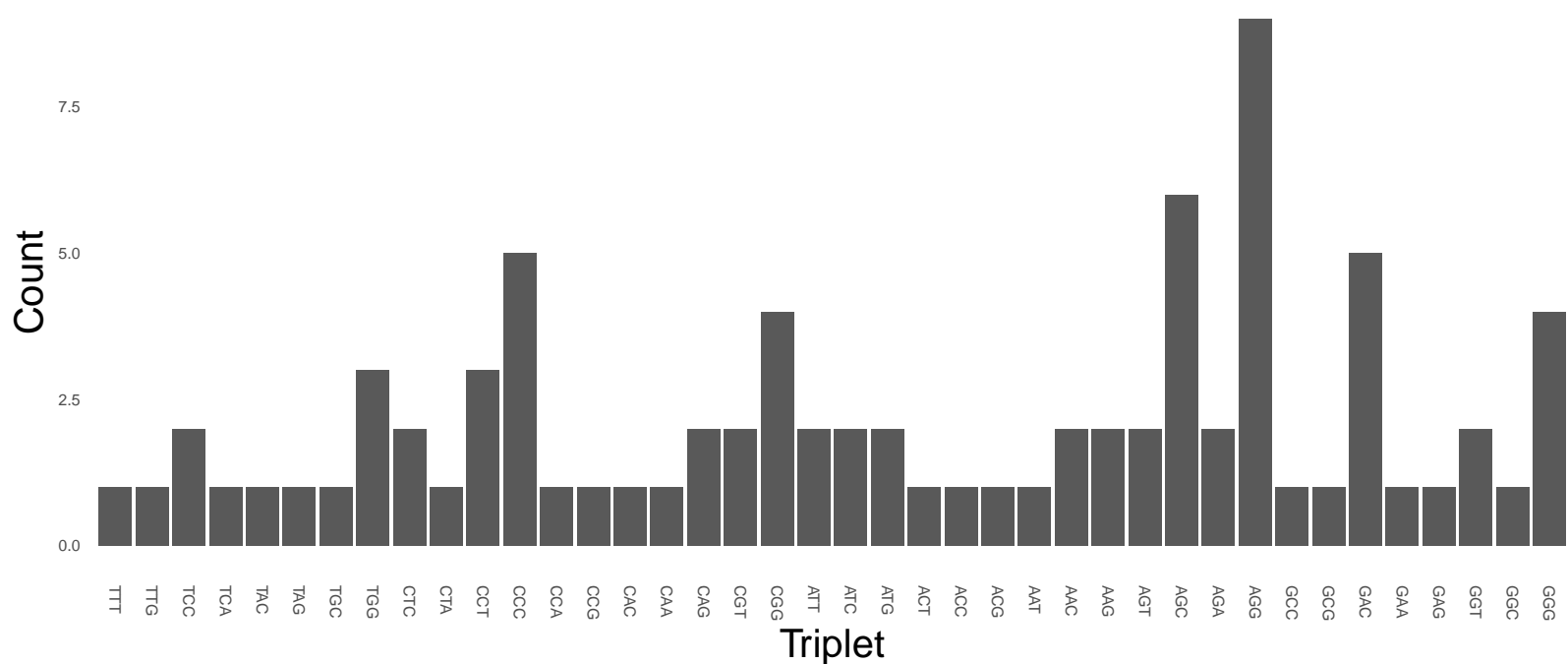
Gene TRBV7-6*ap01_C314G



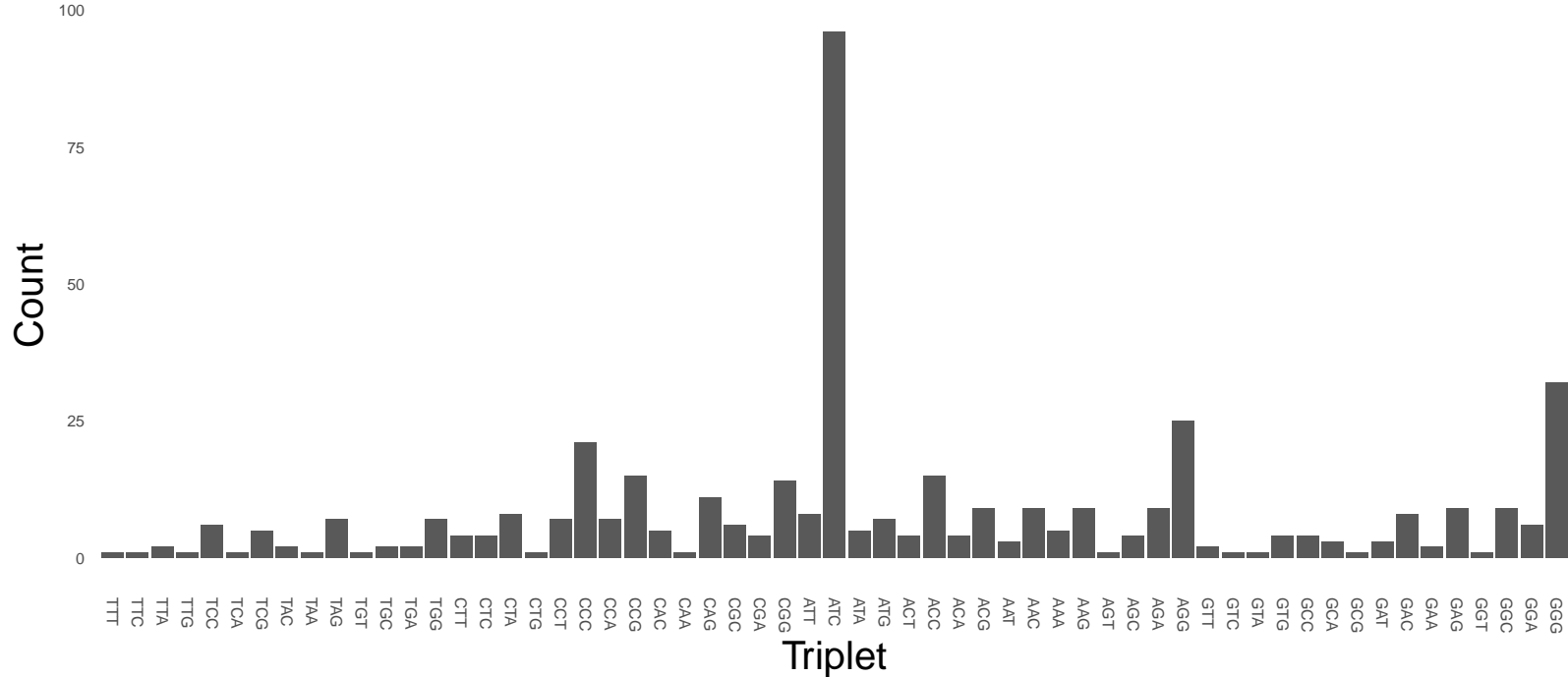
Gene TRBV7-7*ap01_C315T



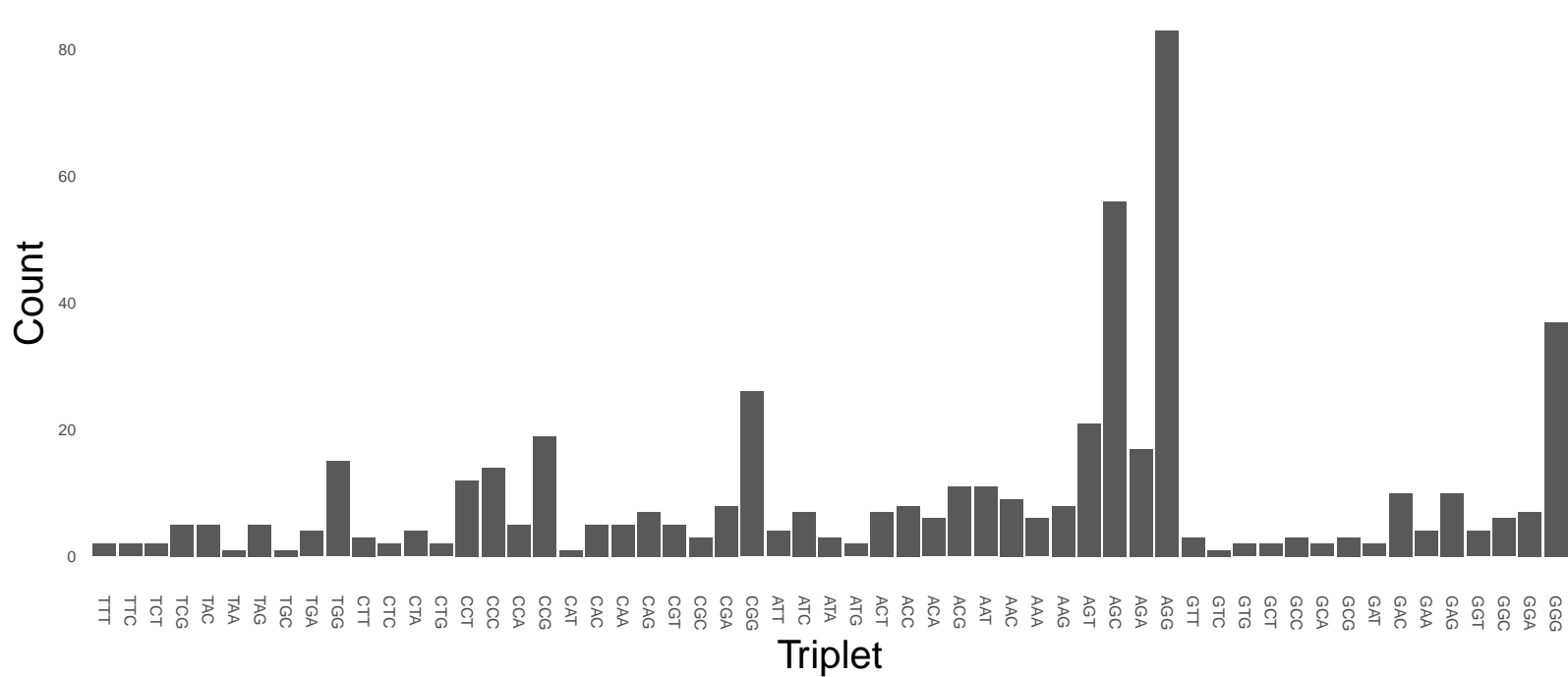
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



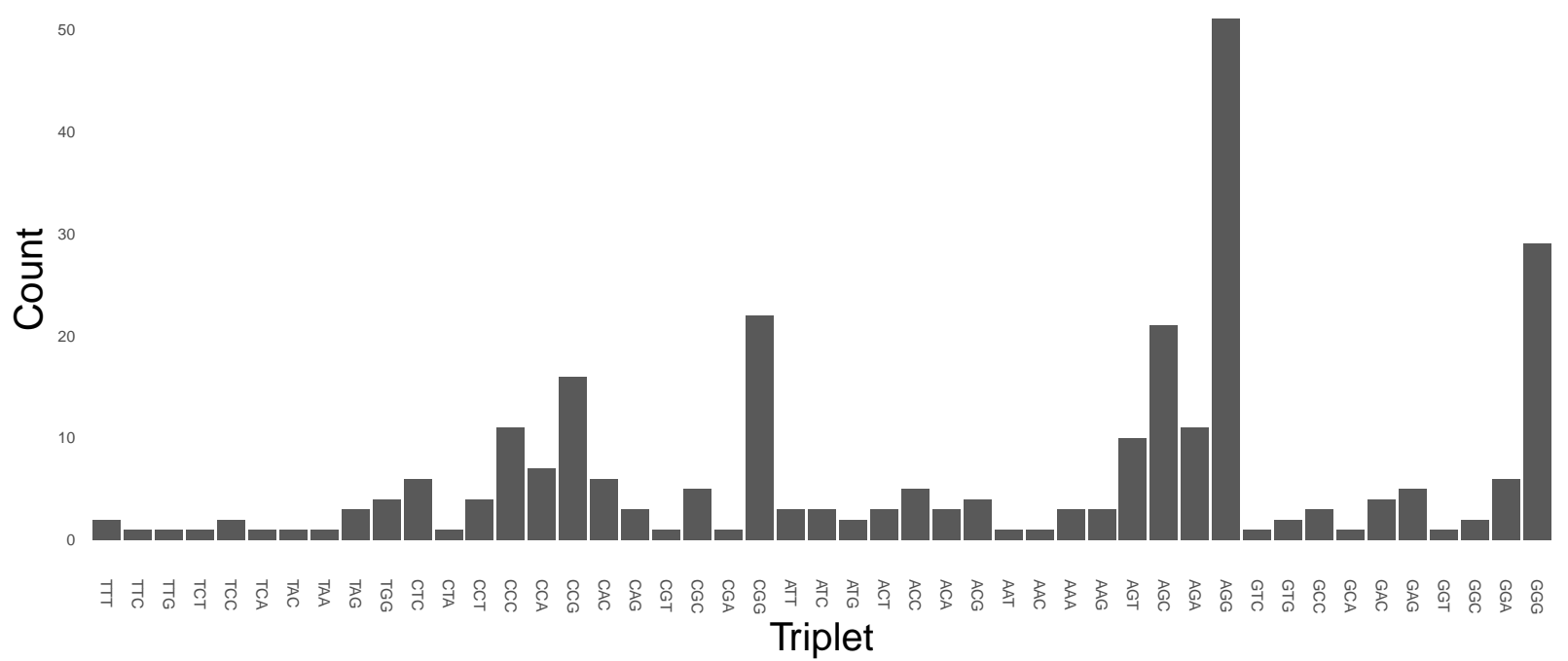
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet



TRBV7-6*ap01_C314G- Final 3 nucleotides as a triplet

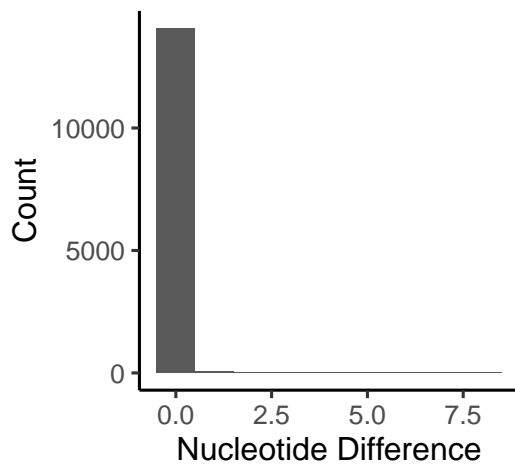


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



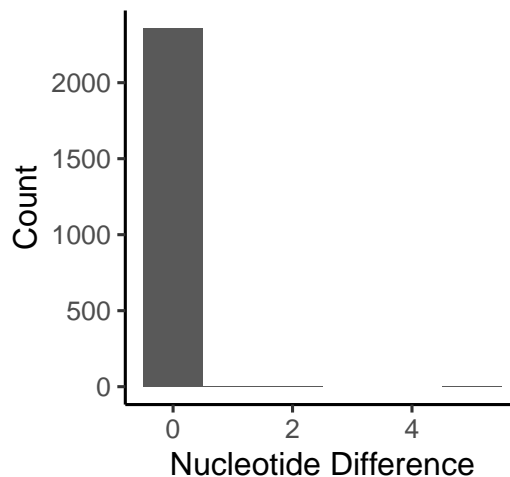
TRBV20-1*ap01

14156 sequences assigned
14077 (99.4%) exact matches, in which:
14020 unique CDR3
13 unique J



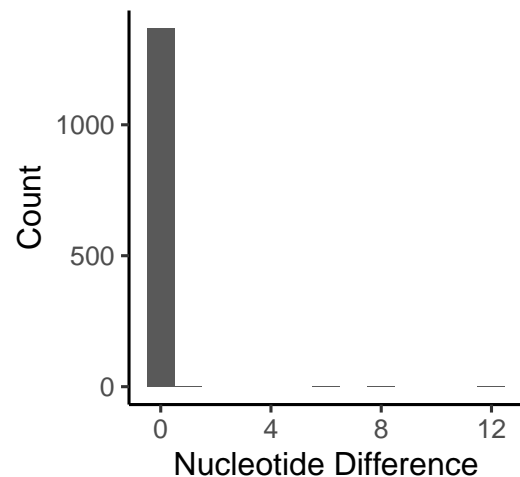
TRBV10-3*ap01

2365 sequences assigned
2357 (99.7%) exact matches, in which:
2342 unique CDR3
13 unique J



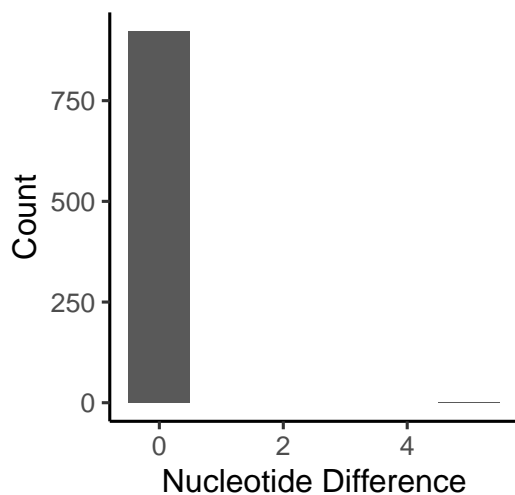
TRBV14*ap01

1374 sequences assigned
1368 (99.6%) exact matches, in which:
1368 unique CDR3
13 unique J



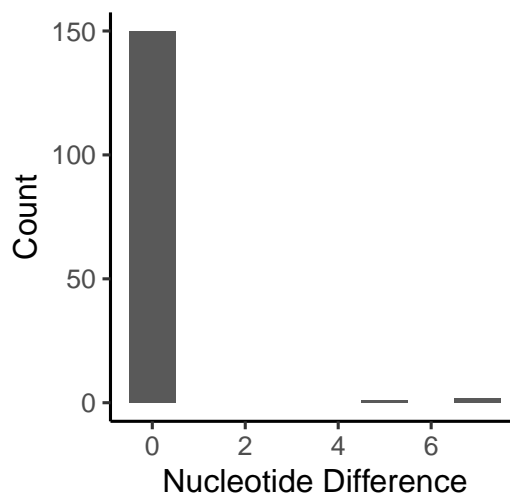
TRBV10-1*ap01

924 sequences assigned
923 (99.9%) exact matches, in which:
919 unique CDR3
13 unique J



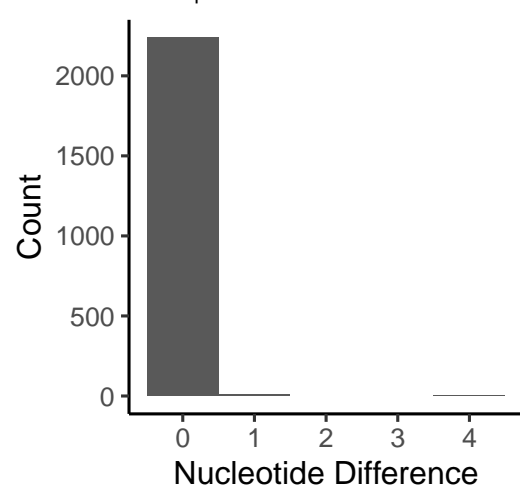
TRBV1*ap01

153 sequences assigned
150 (98%) exact matches, in which:
149 unique CDR3
13 unique J



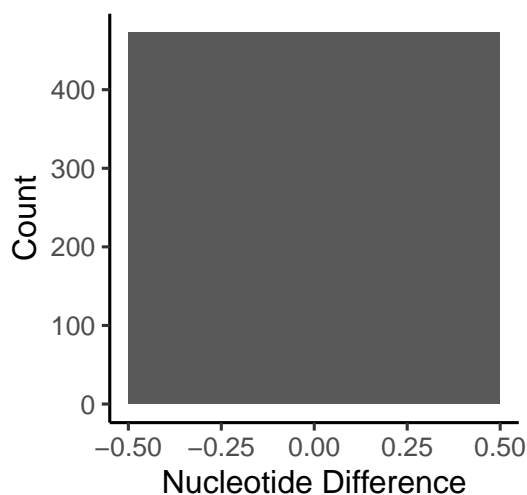
TRBV15*ap02

2247 sequences assigned
2238 (99.6%) exact matches, in which:
2232 unique CDR3
13 unique J



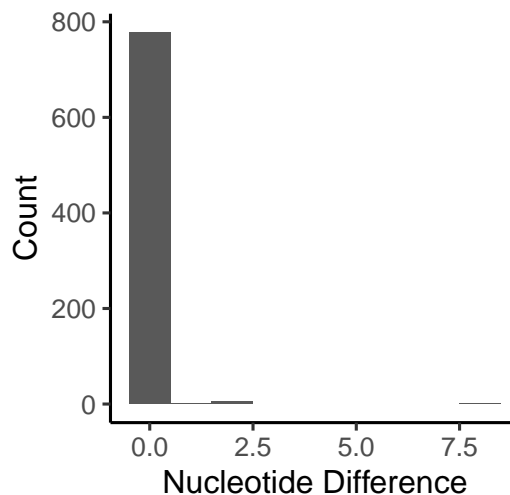
TRBV10-2*ap01

473 sequences assigned
473 (100%) exact matches, in which:
473 unique CDR3
12 unique J



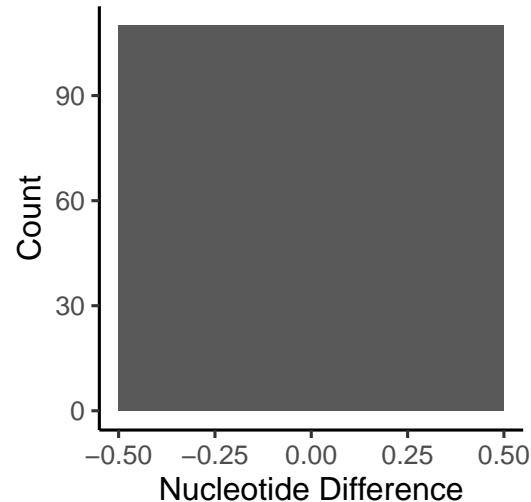
TRBV13*ap01

785 sequences assigned
778 (99.1%) exact matches, in which:
773 unique CDR3
13 unique J



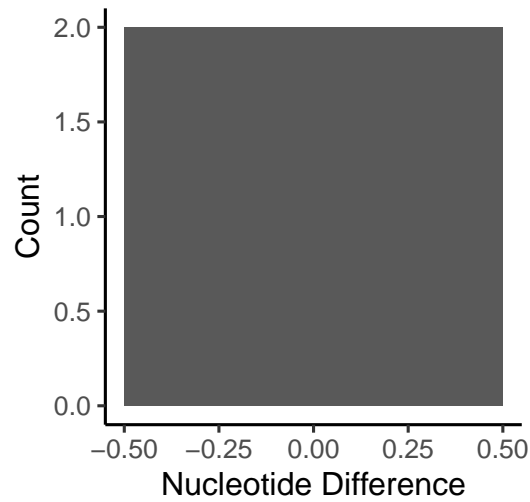
TRBV16*ap01

110 sequences assigned
110 (100%) exact matches, in which:
109 unique CDR3
12 unique J



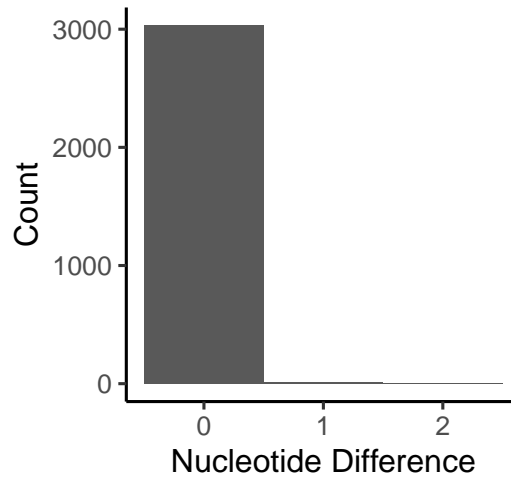
TRBV17*ap01

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



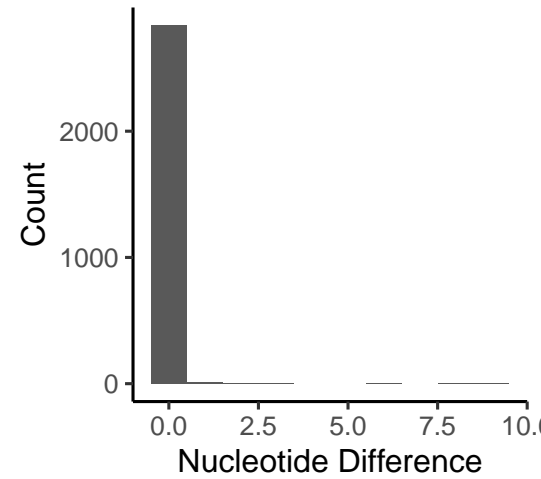
TRBV2*ap01

3042 sequences assigned
3032 (99.7%) exact matches, in which:
3023 unique CDR3
13 unique J



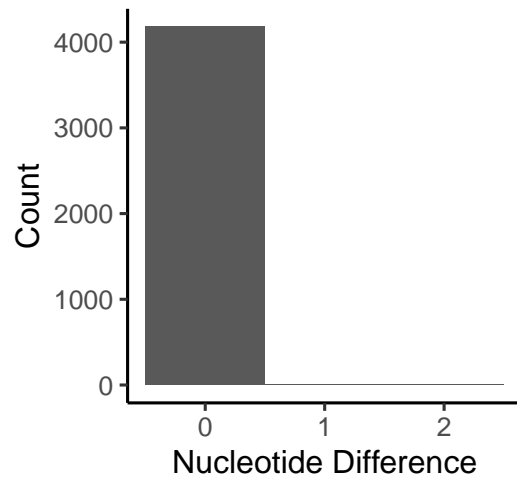
TRBV30*ap01

2857 sequences assigned
2838 (99.3%) exact matches, in which:
2827 unique CDR3
13 unique J



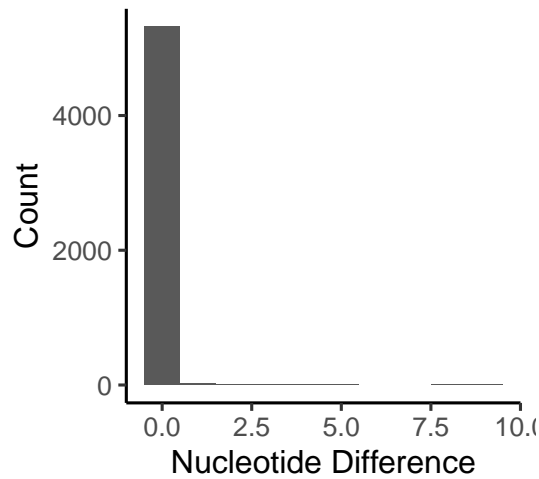
TRBV18*ap01

4186 sequences assigned
4180 (99.9%) exact matches, in which:
4169 unique CDR3
13 unique J



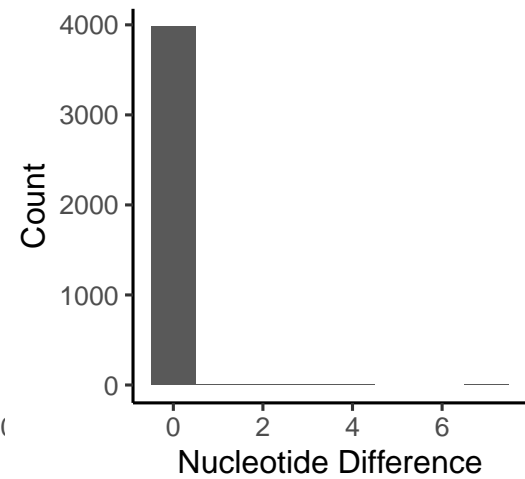
TRBV27*ap01

5349 sequences assigned
5318 (99.4%) exact matches, in which:
5301 unique CDR3
13 unique J



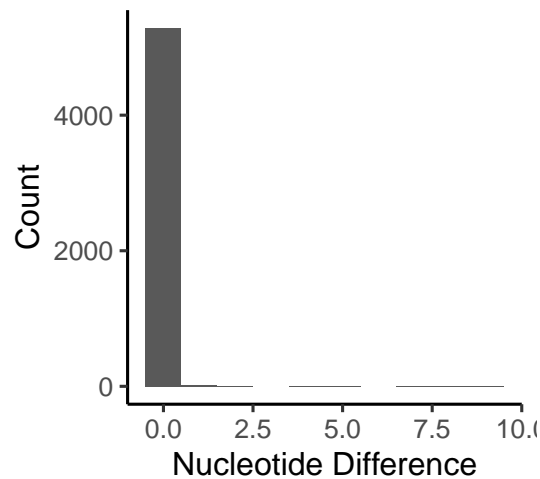
TRBV9*ap01

3993 sequences assigned
3979 (99.6%) exact matches, in which:
3960 unique CDR3
13 unique J



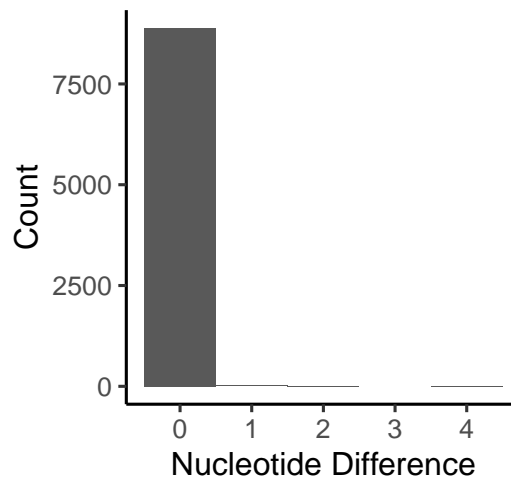
TRBV19*ap01

5310 sequences assigned
5285 (99.5%) exact matches, in which:
5278 unique CDR3
13 unique J



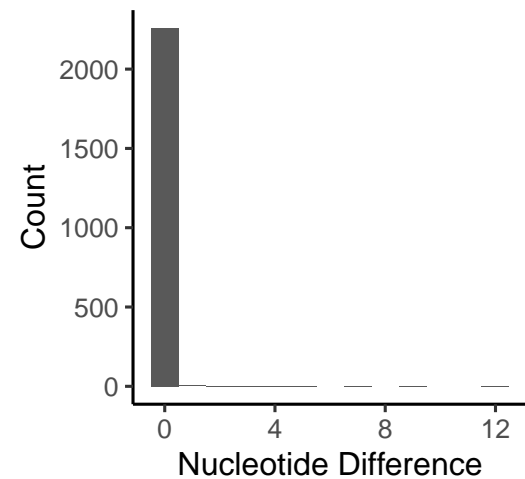
TRBV28*ap01

8911 sequences assigned
8886 (99.7%) exact matches, in which:
8858 unique CDR3
13 unique J



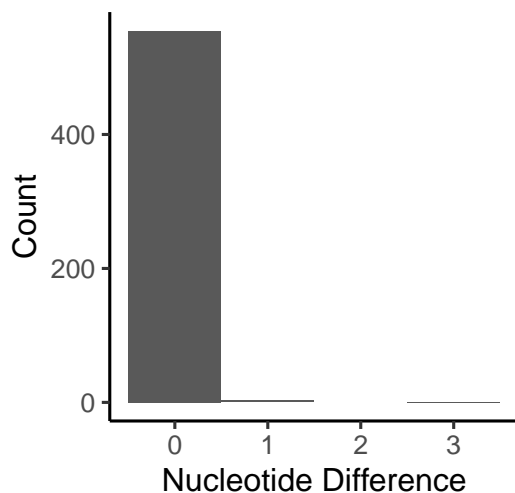
TRBV21-1*ap01

2274 sequences assigned
2259 (99.3%) exact matches, in which:
2259 unique CDR3
13 unique J



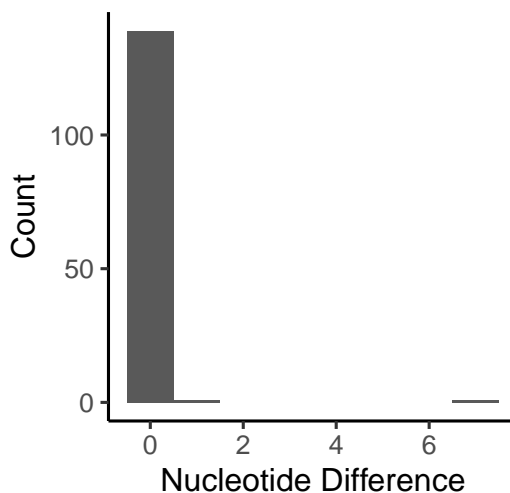
TRBV11-1*ap01

559 sequences assigned
555 (99.3%) exact matches, in which:
555 unique CDR3
12 unique J



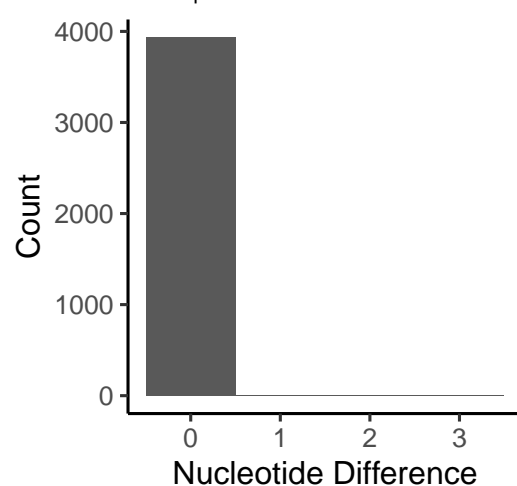
TRBV12-1*ap01

141 sequences assigned
139 (98.6%) exact matches, in which:
139 unique CDR3
12 unique J



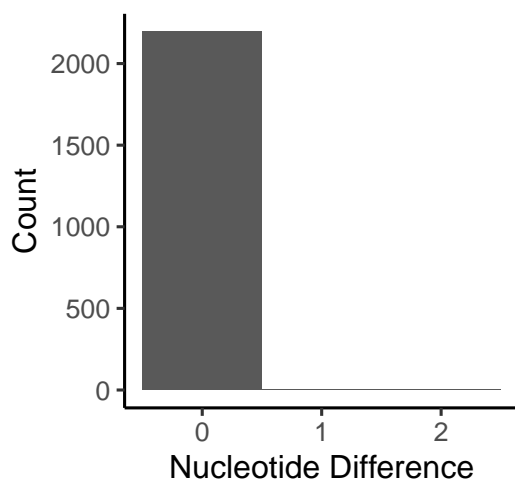
TRBV12-34*ap01

3945 sequences assigned
3934 (99.7%) exact matches, in which:
3921 unique CDR3
13 unique J



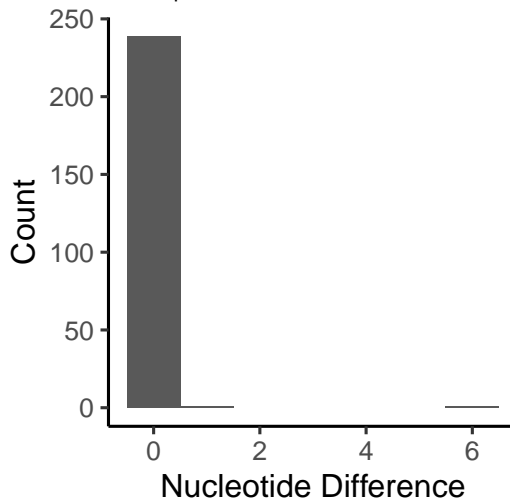
TRBV11-2*ap01

2200 sequences assigned
2195 (99.8%) exact matches, in which:
2185 unique CDR3
13 unique J



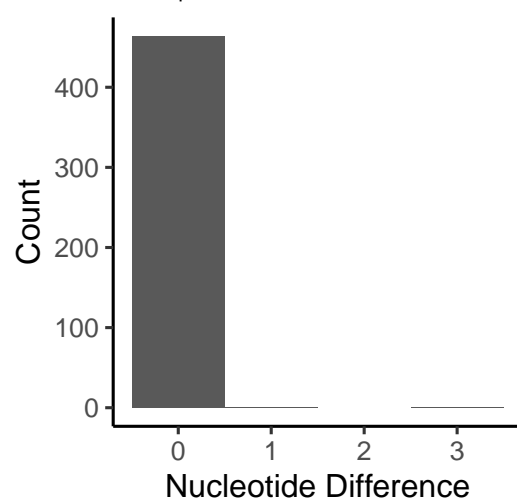
TRBV12-2*ap01

241 sequences assigned
239 (99.2%) exact matches, in which:
238 unique CDR3
13 unique J



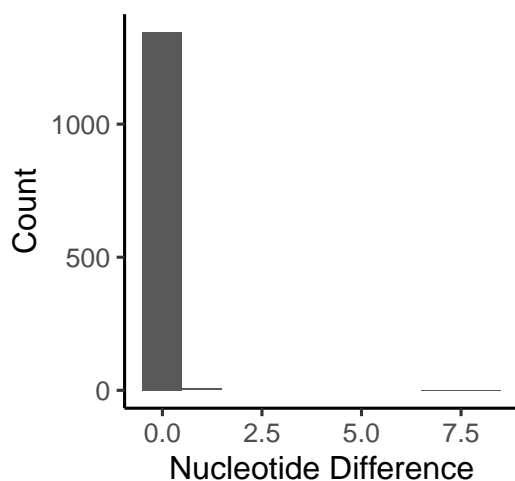
TRBV23-1*ap01

466 sequences assigned
464 (99.6%) exact matches, in which:
464 unique CDR3
12 unique J



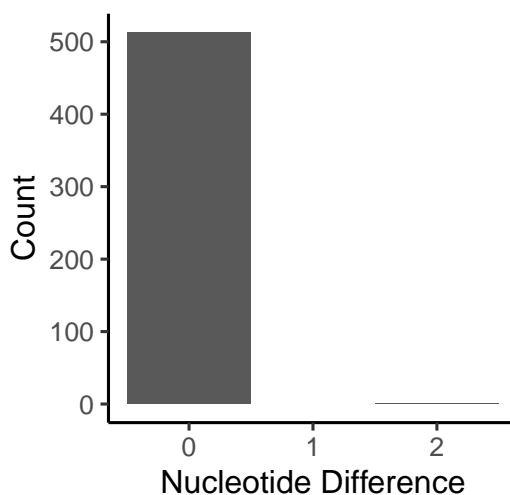
TRBV11-3*ap01

1355 sequences assigned
1346 (99.3%) exact matches, in which:
1342 unique CDR3
12 unique J



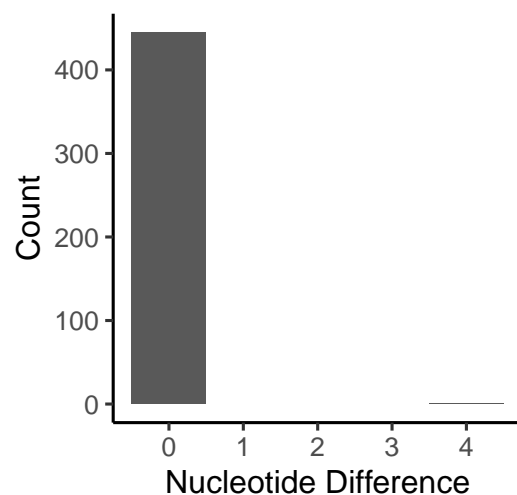
TRBV12-5*ap01

514 sequences assigned
513 (99.8%) exact matches, in which:
512 unique CDR3
13 unique J



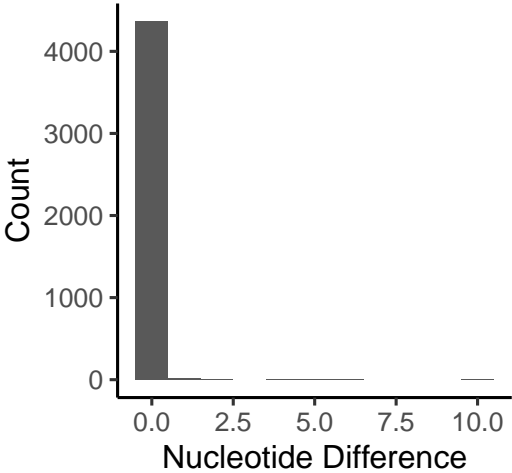
TRBV23-1*ap01_T304C

446 sequences assigned
445 (99.8%) exact matches, in which:
443 unique CDR3
12 unique J



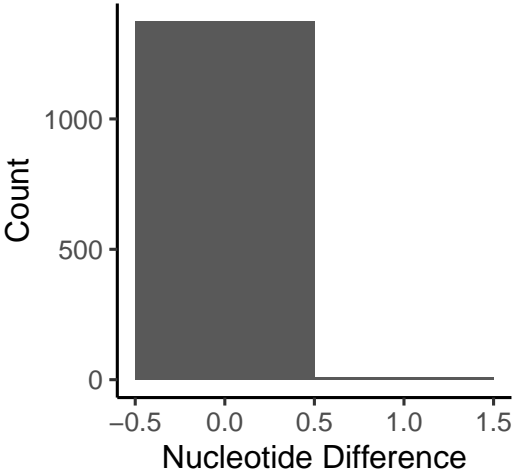
TRBV3-12*ap01

4395 sequences assigned
4365 (99.3%) exact matches, in which:
4358 unique CDR3
14 unique J



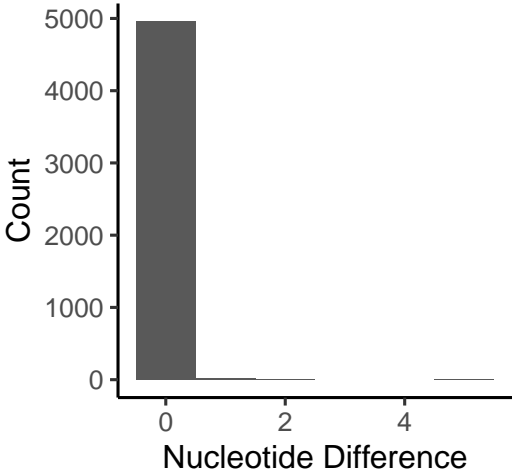
TRBV4-2*ap01

1383 sequences assigned
1374 (99.3%) exact matches, in which:
1362 unique CDR3
13 unique J



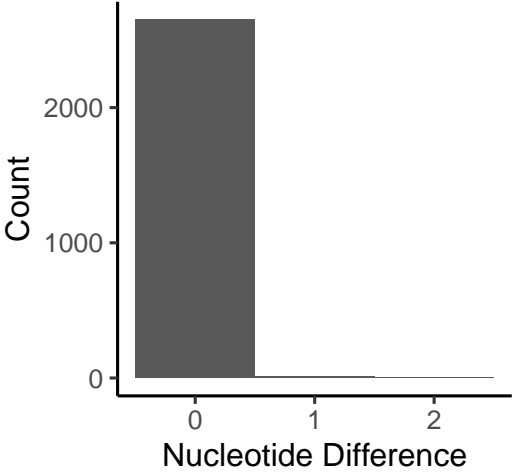
TRBV5-1*ap01

4976 sequences assigned
4959 (99.7%) exact matches, in which:
4927 unique CDR3
13 unique J



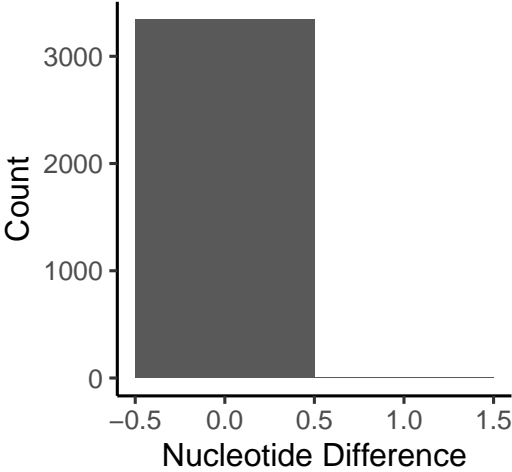
TRBV24-1*ap01

2661 sequences assigned
2650 (99.6%) exact matches, in which:
2644 unique CDR3
13 unique J



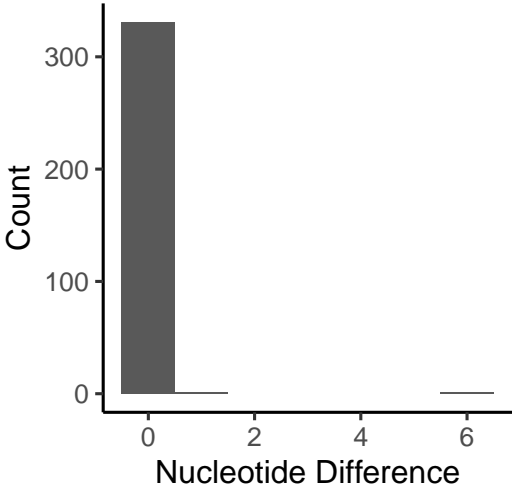
TRBV4-3*ap01

3347 sequences assigned
3341 (99.8%) exact matches, in which:
3320 unique CDR3
13 unique J



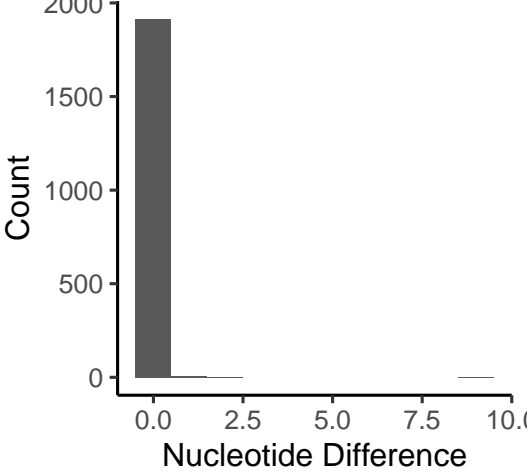
TRBV5-3*ap01

333 sequences assigned
331 (99.4%) exact matches, in which:
330 unique CDR3
13 unique J



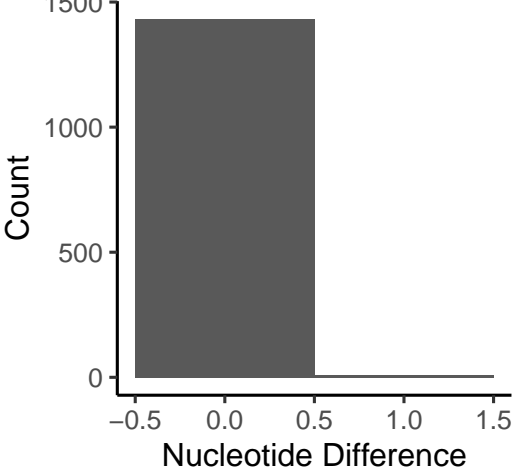
TRBV4-1*ap01

1924 sequences assigned
1914 (99.5%) exact matches, in which:
1904 unique CDR3
13 unique J



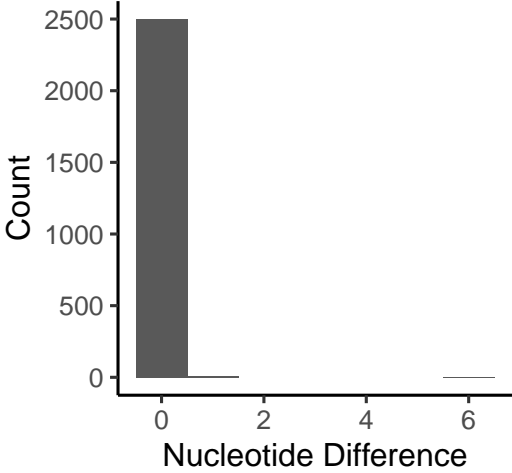
TRBV25-1*ap01

1441 sequences assigned
1432 (99.4%) exact matches, in which:
1429 unique CDR3
13 unique J



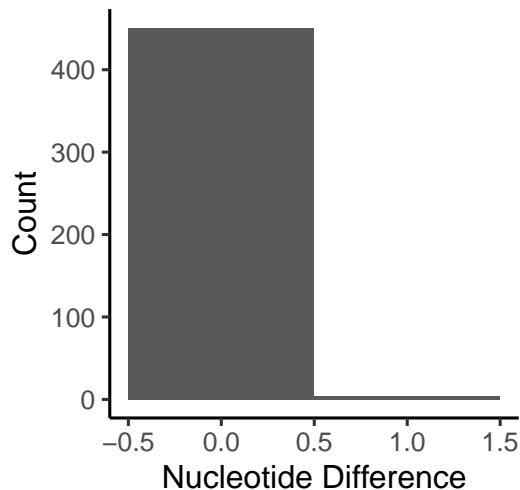
TRBV5-4*ap01

2510 sequences assigned
2500 (99.6%) exact matches, in which:
2487 unique CDR3
13 unique J



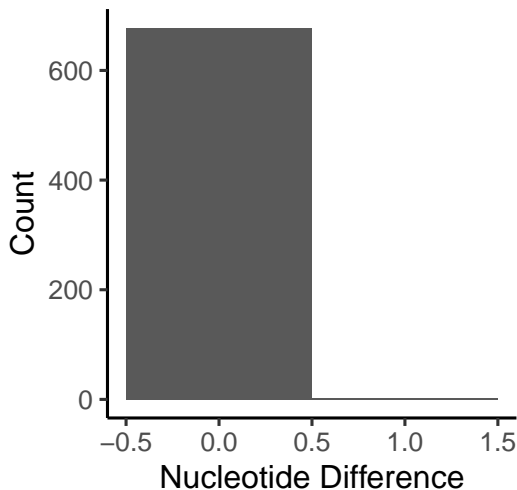
TRBV5-5*ap01

455 sequences assigned
451 (99.1%) exact matches, in which:
451 unique CDR3
12 unique J



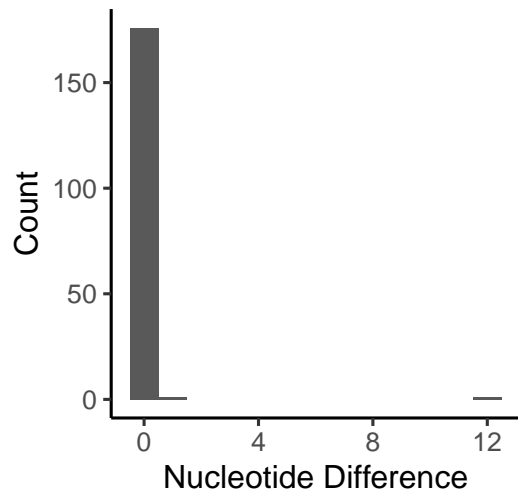
TRBV5-8*ap01

681 sequences assigned
678 (99.6%) exact matches, in which:
677 unique CDR3
12 unique J



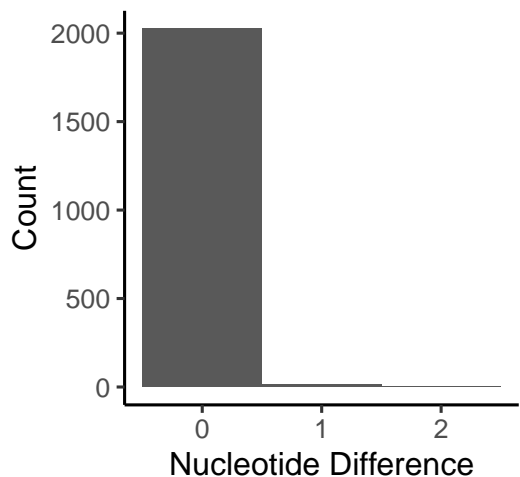
TRBV6-7*ap01

178 sequences assigned
176 (98.9%) exact matches, in which:
175 unique CDR3
13 unique J



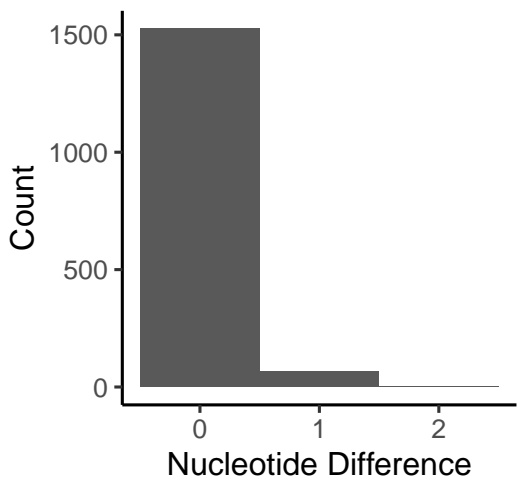
TRBV5-6*ap01

2038 sequences assigned
2025 (99.4%) exact matches, in which:
2014 unique CDR3
13 unique J



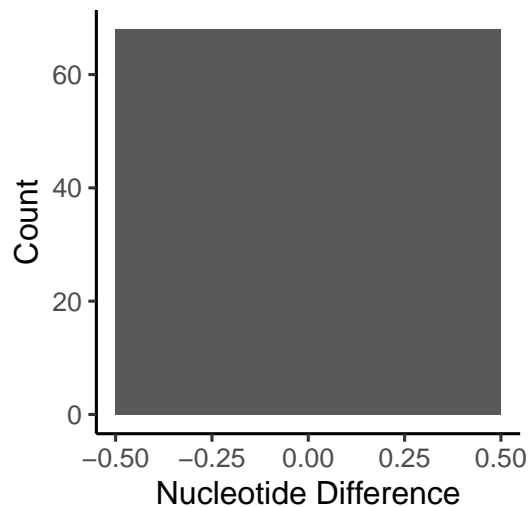
TRBV6-1*ap01

1595 sequences assigned
1526 (95.7%) exact matches, in which:
1520 unique CDR3
13 unique J



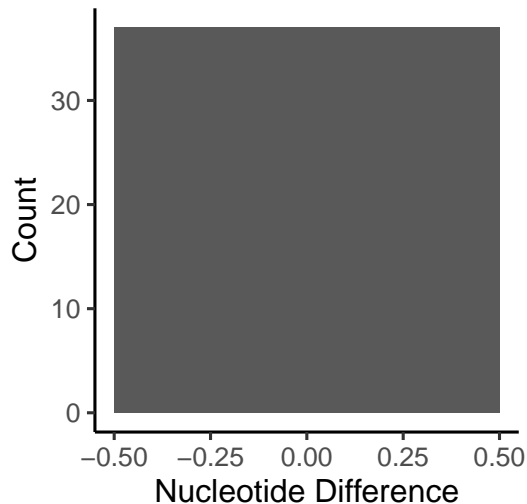
TRBV6-8*ap01

68 sequences assigned
68 (100%) exact matches, in which:
67 unique CDR3
12 unique J



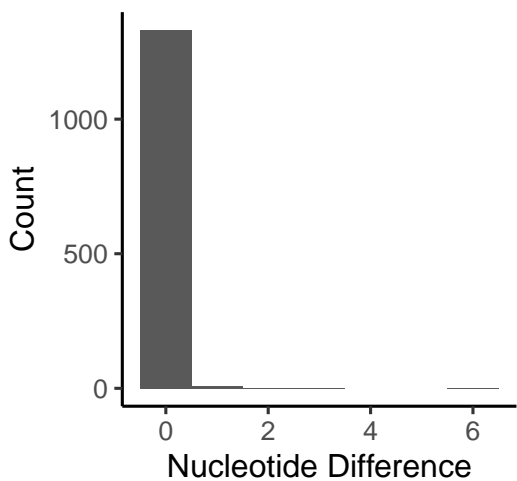
TRBV5-7*ap01

37 sequences assigned
37 (100%) exact matches, in which:
37 unique CDR3
10 unique J



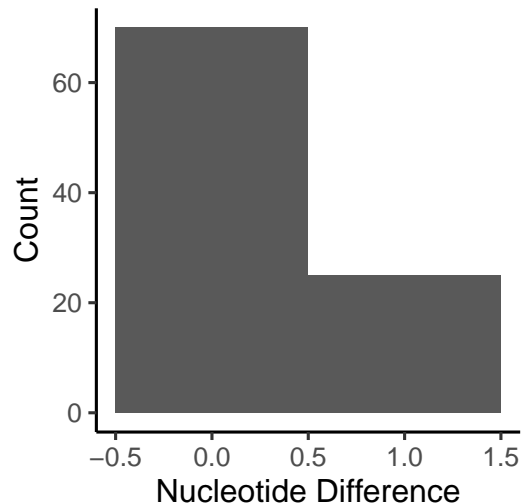
TRBV6-4*ap01

1344 sequences assigned
1331 (99%) exact matches, in which:
1328 unique CDR3
13 unique J



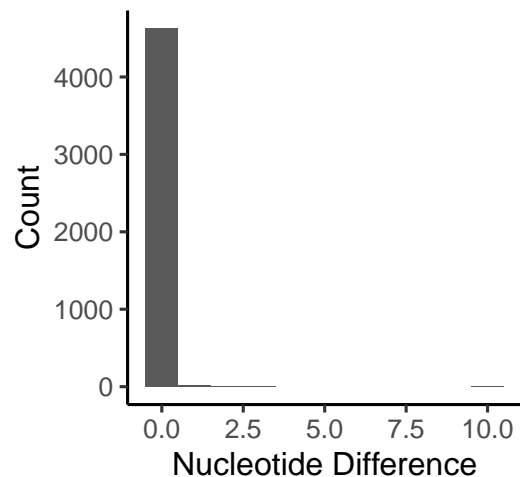
TRBV6-9*ap01

95 sequences assigned
70 (73.7%) exact matches, in which:
69 unique CDR3
11 unique J



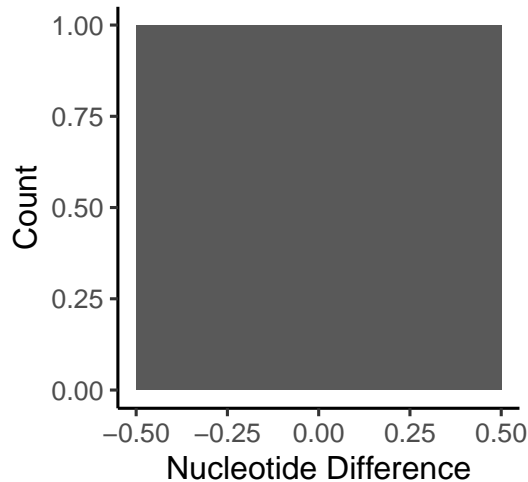
TRBV6–23*ap01

4651 sequences assigned
4627 (99.5%) exact matches, in which:
4620 unique CDR3
13 unique J



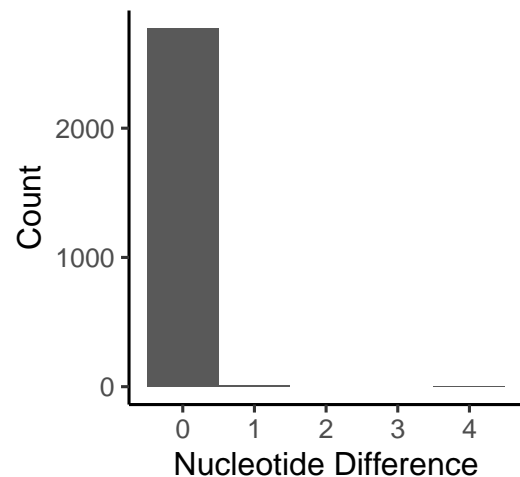
TRBV7–1*ap01

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



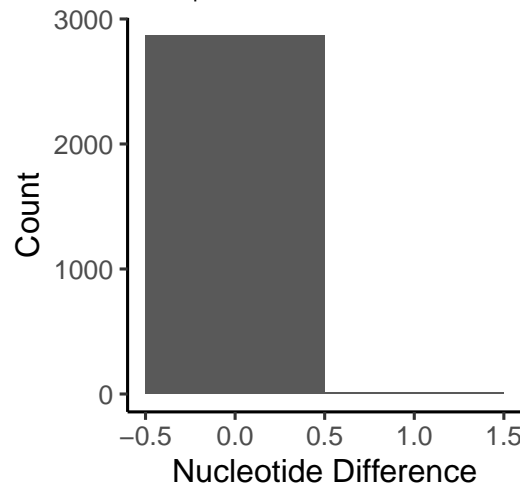
TRBV7–3*ap01

2781 sequences assigned
2772 (99.7%) exact matches, in which:
2764 unique CDR3
13 unique J



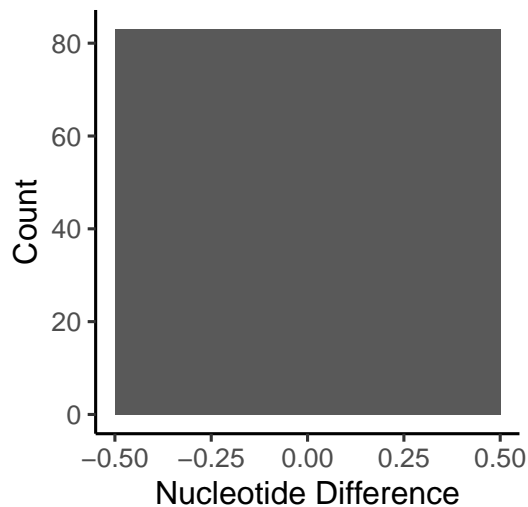
TRBV6–56*ap01

2875 sequences assigned
2866 (99.7%) exact matches, in which:
2854 unique CDR3
13 unique J



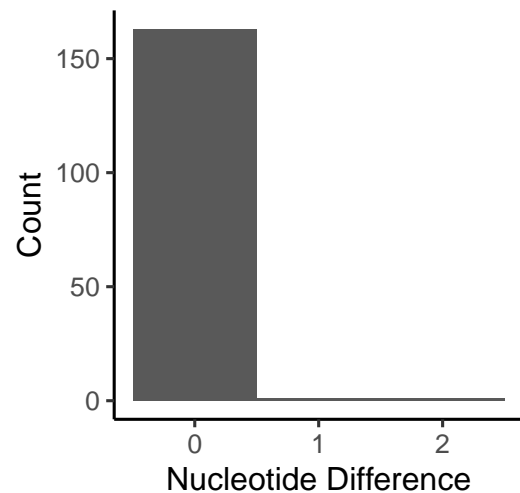
TRBV7–1*ap01_G291C_T

83 sequences assigned
83 (100%) exact matches, in which:
82 unique CDR3
12 unique J



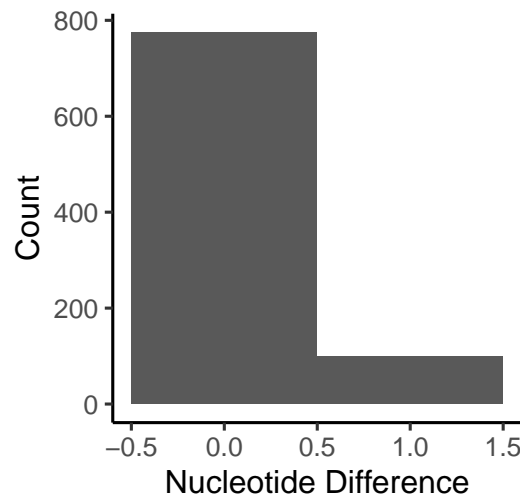
TRBV7–4*ap01

165 sequences assigned
163 (98.8%) exact matches, in which:
162 unique CDR3
12 unique J



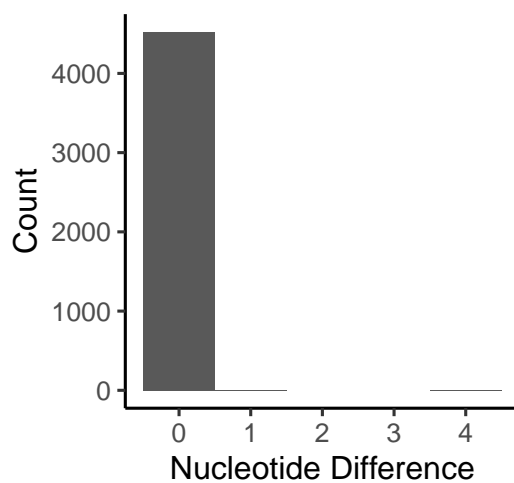
TRBV6–56*ap02

874 sequences assigned
775 (88.7%) exact matches, in which:
774 unique CDR3
13 unique J



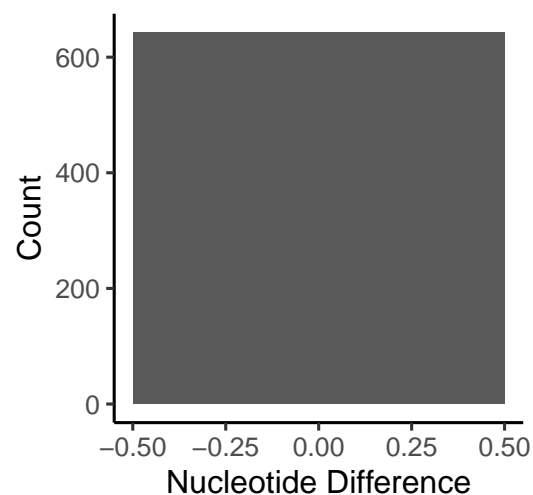
TRBV7–2*ap01

4530 sequences assigned
4522 (99.8%) exact matches, in which:
4510 unique CDR3
13 unique J



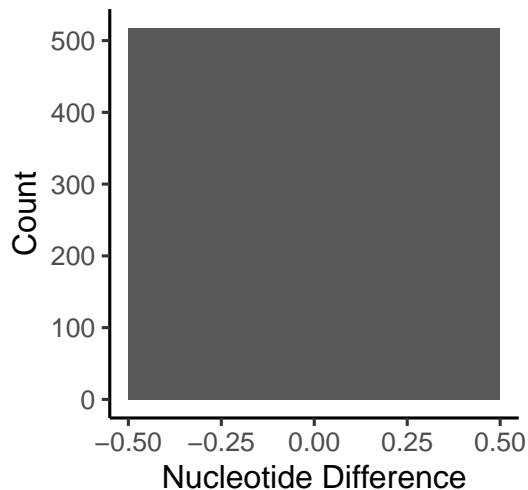
TRBV7–6*ap01

643 sequences assigned
643 (100%) exact matches, in which:
640 unique CDR3
13 unique J



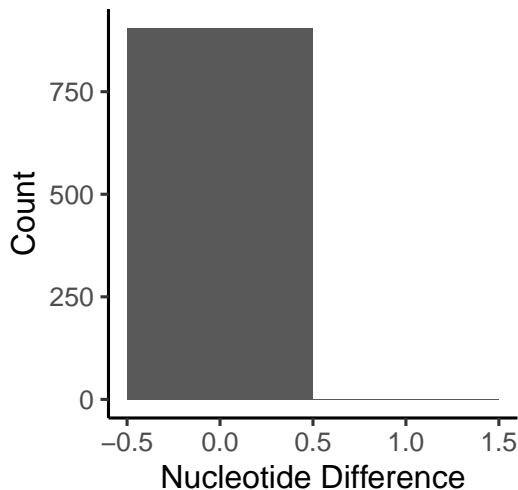
TRBV7-6*ap01_C314G

518 sequences assigned
518 (100%) exact matches, in which:
517 unique CDR3
13 unique J



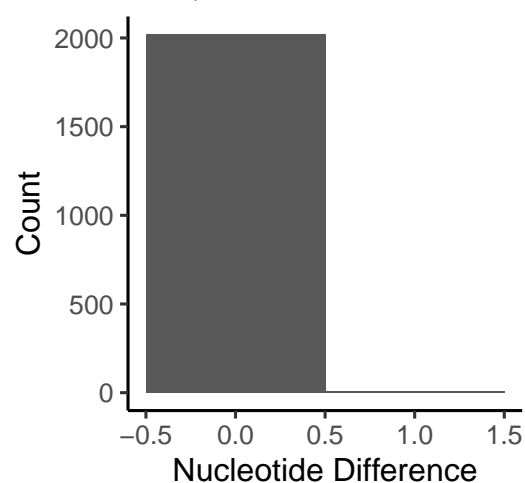
TRBV7-8*ap01

907 sequences assigned
906 (99.9%) exact matches, in which:
903 unique CDR3
13 unique J



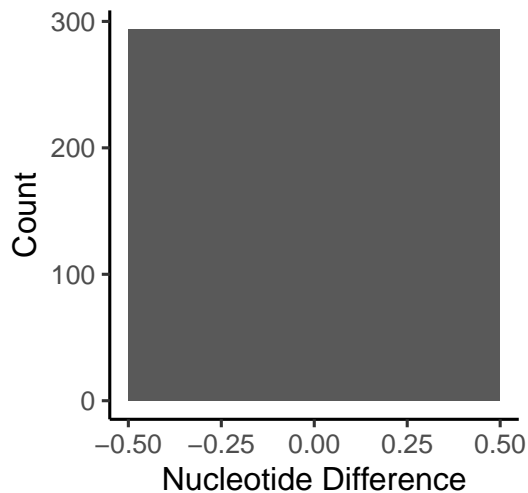
TRBV29-1*ap01

2029 sequences assigned
2020 (99.6%) exact matches, in which:
2018 unique CDR3
13 unique J



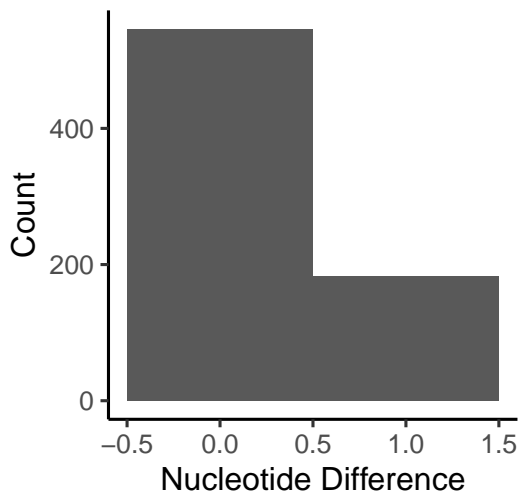
TRBV7-7*ap01

294 sequences assigned
294 (100%) exact matches, in which:
292 unique CDR3
12 unique J



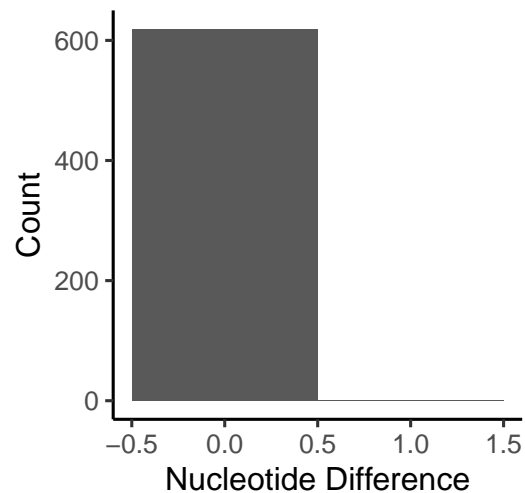
TRBV7-8*ap03

729 sequences assigned
546 (74.9%) exact matches, in which:
545 unique CDR3
13 unique J



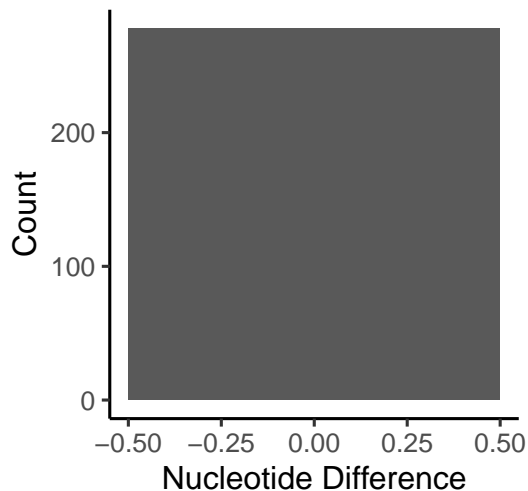
TRBV29-1*ap02

620 sequences assigned
619 (99.8%) exact matches, in which:
617 unique CDR3
13 unique J



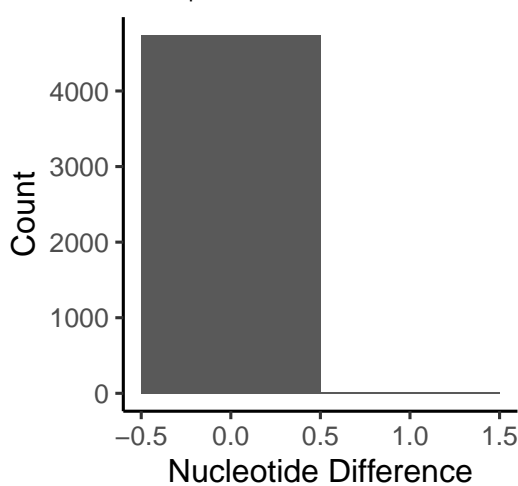
TRBV7-7*ap01_C315T

278 sequences assigned
278 (100%) exact matches, in which:
276 unique CDR3
12 unique J

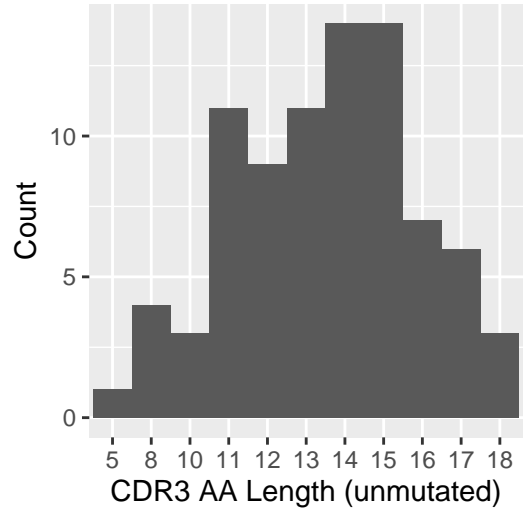


TRBV7-9*ap01

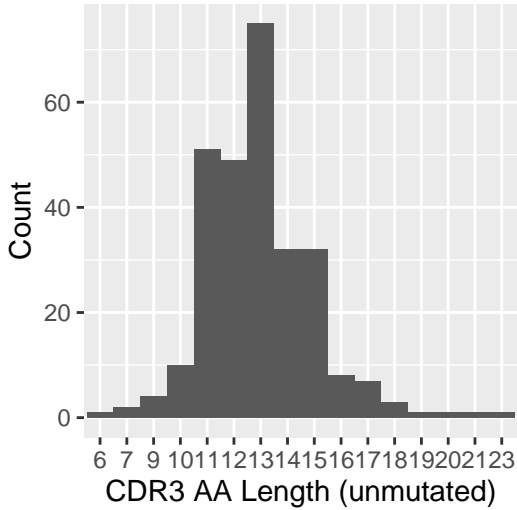
4754 sequences assigned
4740 (99.7%) exact matches, in which:
4729 unique CDR3
13 unique J



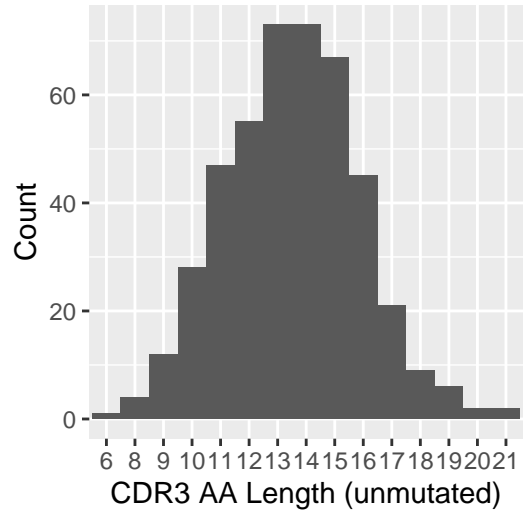
TRBV7-1*ap01_G291C_T29



TRBV7-7*ap01_C315T



TRBV23-1*ap01_T304C



TRBV7-6*ap01_C314G

