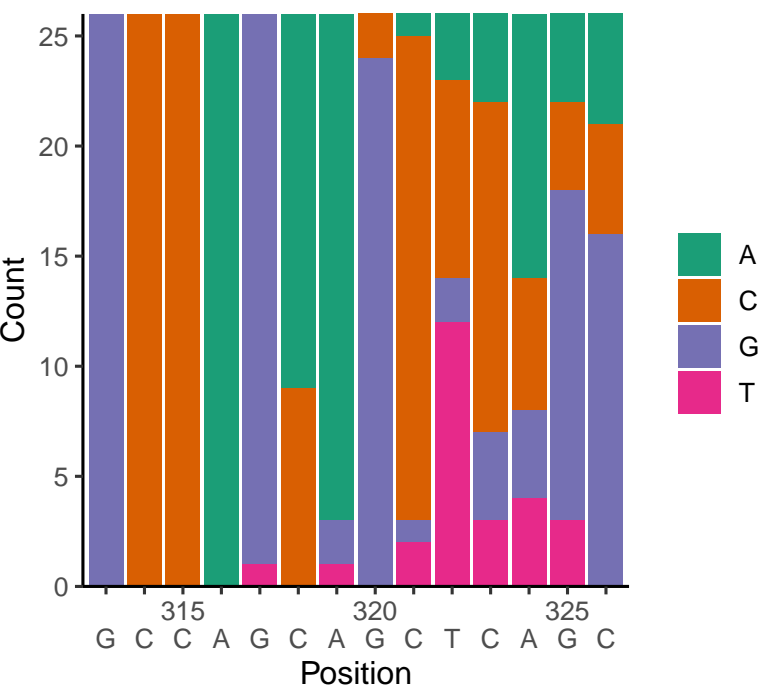
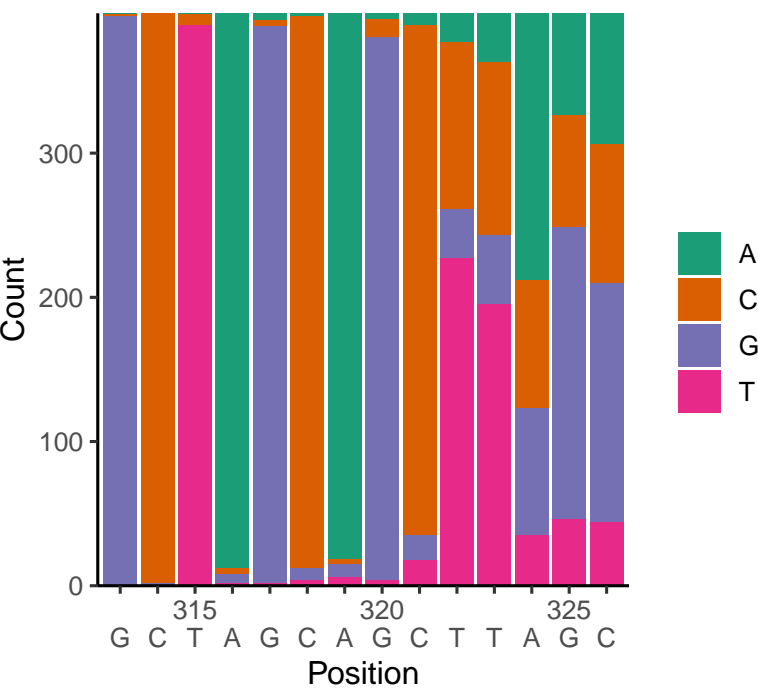


Gene TRBV7-1*ap01_T296C



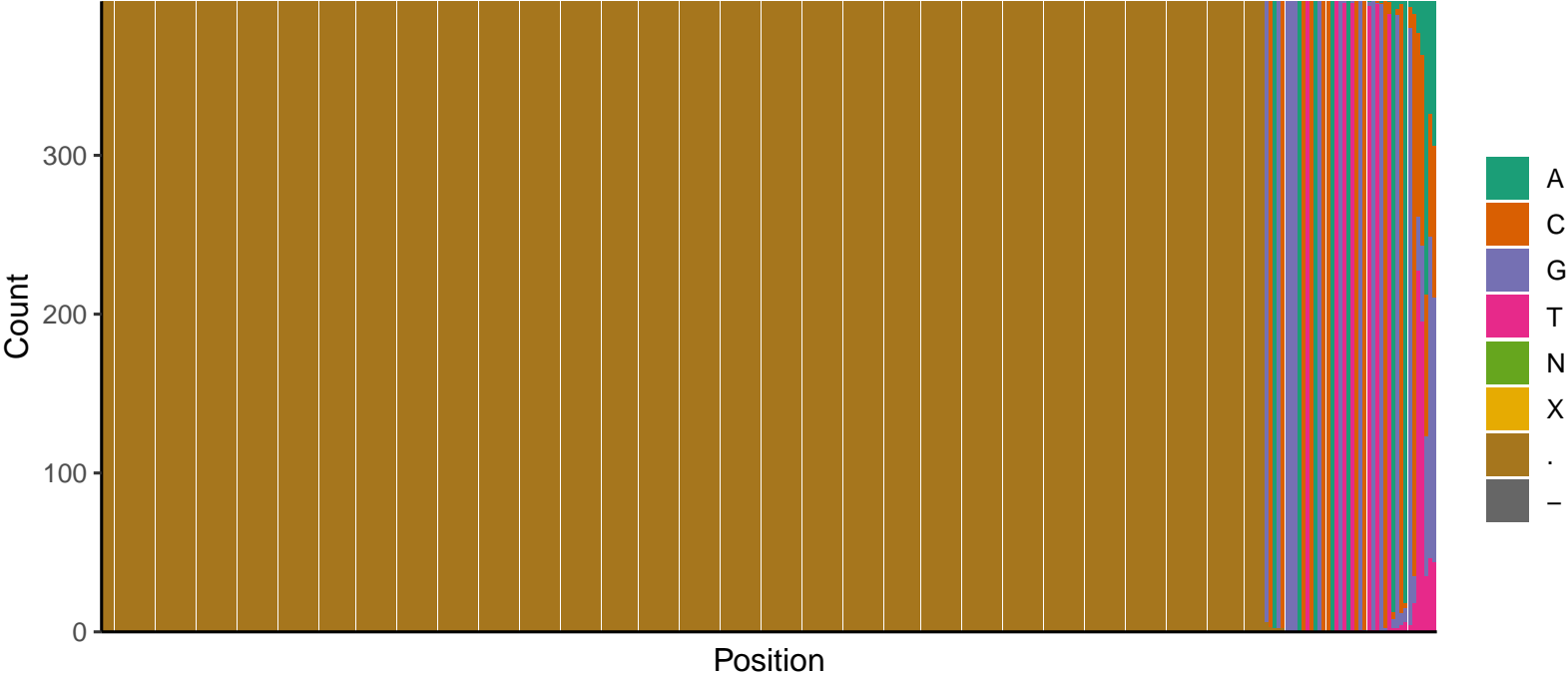
Gene TRBV7-7*ap01_C315T



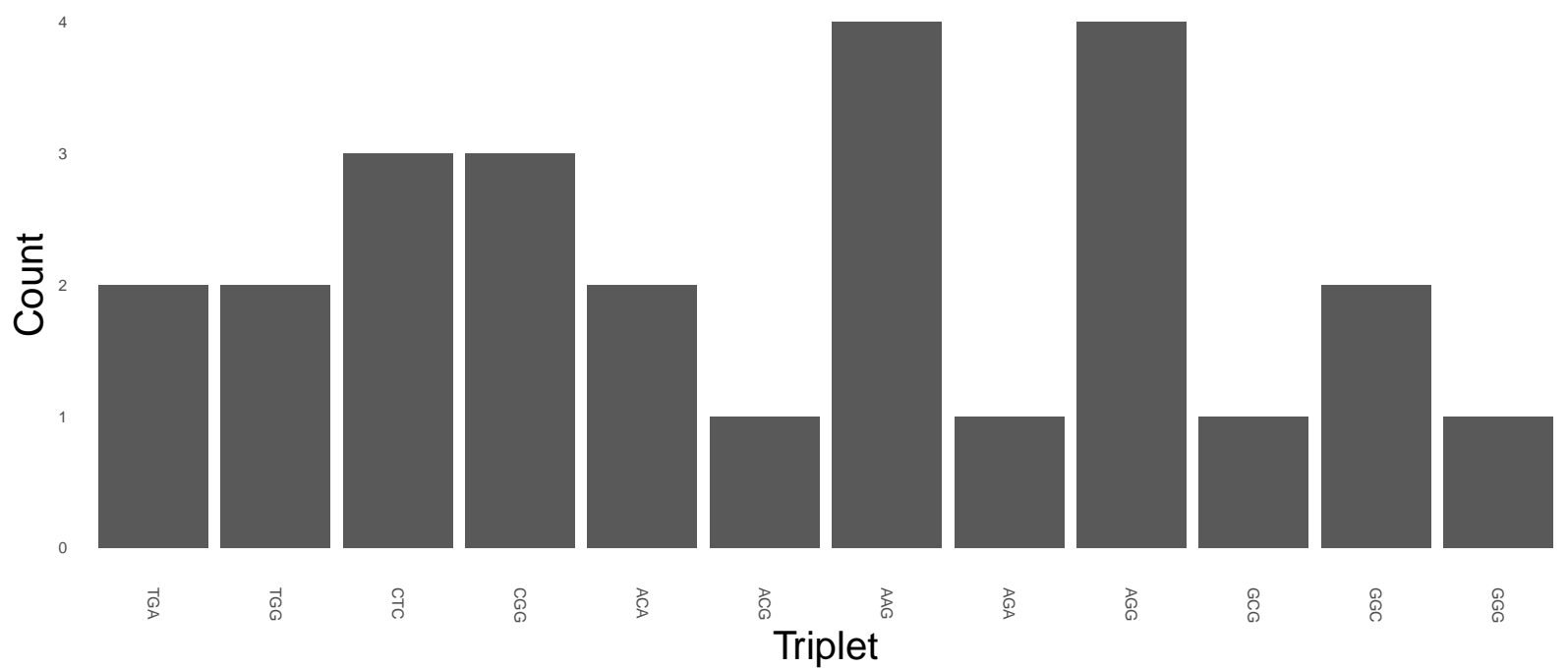
Gene TRBV7-1*ap01_T296C



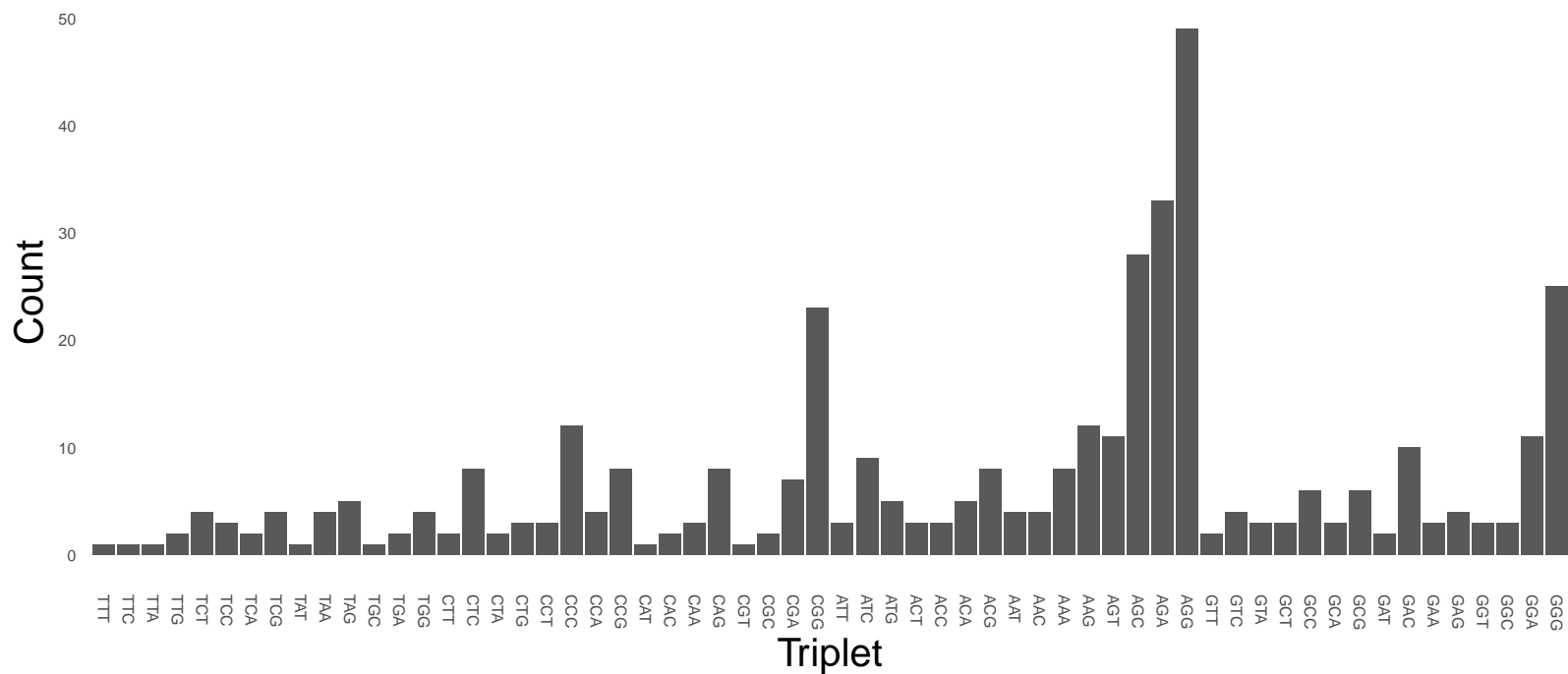
Gene TRBV7-7*ap01_C315T



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

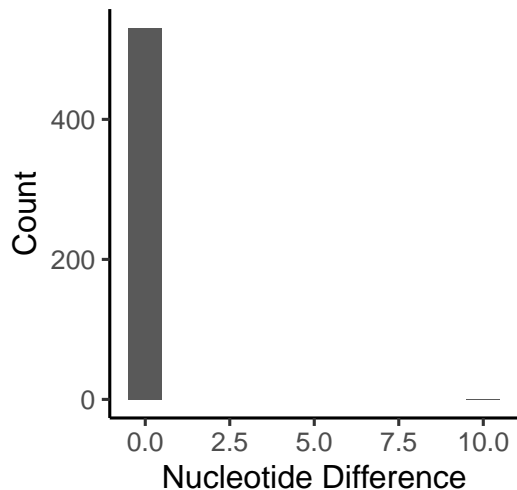


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



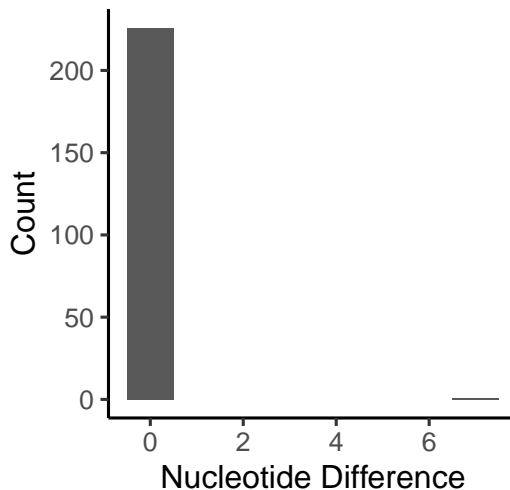
TRBV10–1*ap01

532 sequences assigned
531 (99.8%) exact matches, in which:
531 unique CDR3
13 unique J



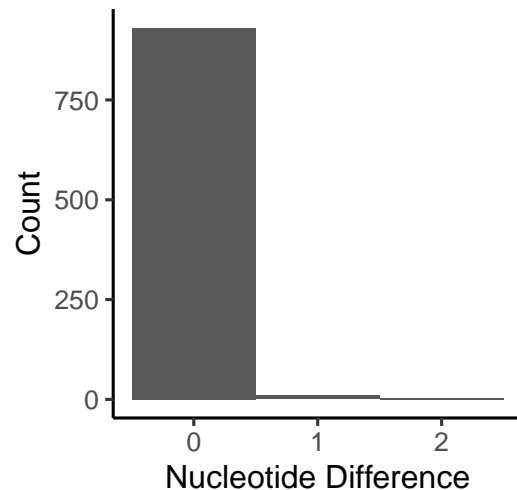
TRBV10–2*ap01

227 sequences assigned
226 (99.6%) exact matches, in which:
226 unique CDR3
12 unique J



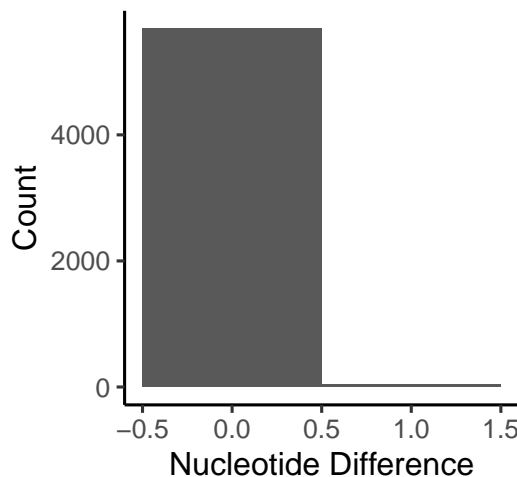
TRBV13*ap01

944 sequences assigned
931 (98.6%) exact matches, in which:
931 unique CDR3
13 unique J



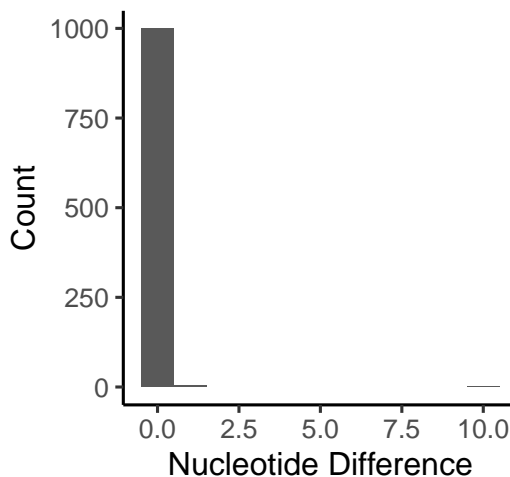
TRBV20–1*ap01

5728 sequences assigned
5684 (99.2%) exact matches, in which:
5611 unique CDR3
13 unique J



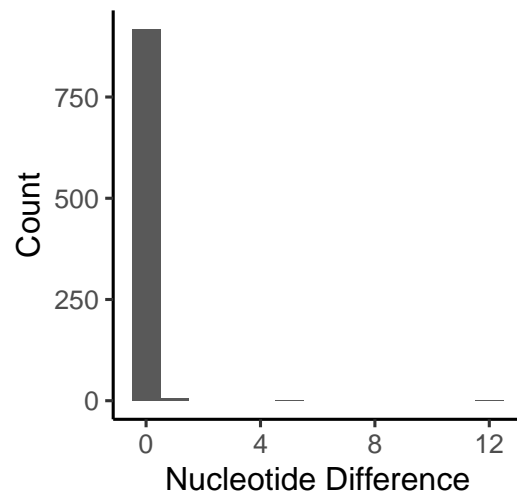
TRBV10–3*ap01

1005 sequences assigned
999 (99.4%) exact matches, in which:
996 unique CDR3
13 unique J



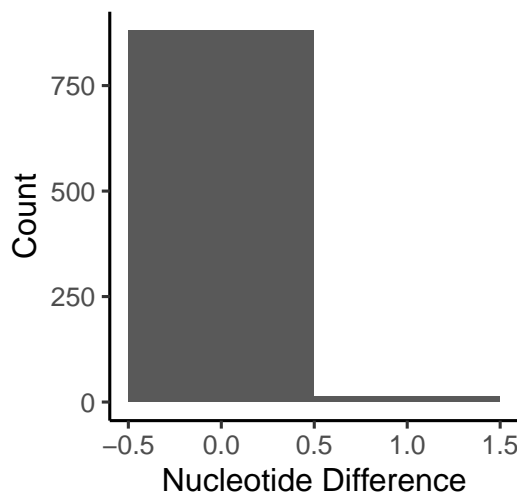
TRBV14*ap01

926 sequences assigned
918 (99.1%) exact matches, in which:
914 unique CDR3
13 unique J



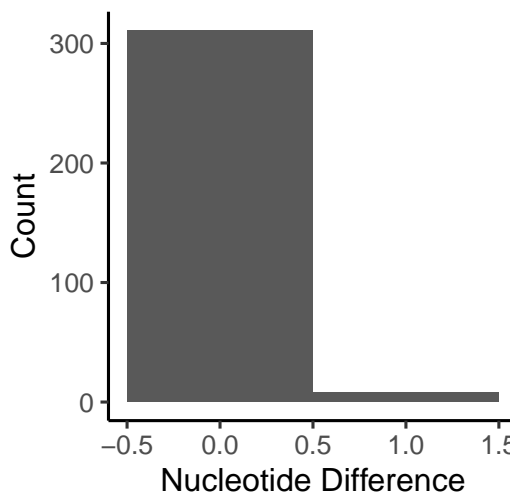
TRBV20–1*ap02

894 sequences assigned
881 (98.5%) exact matches, in which:
865 unique CDR3
13 unique J



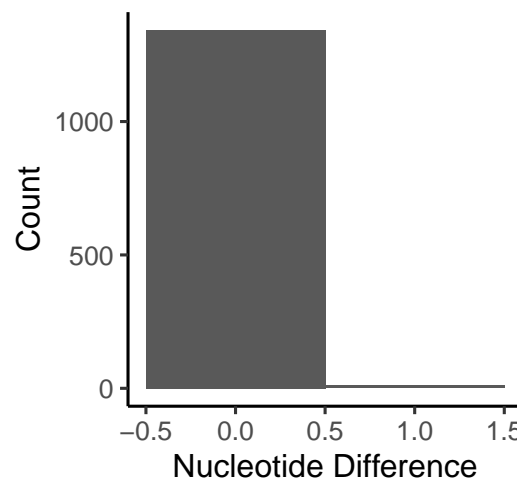
TRBV1*ap01

319 sequences assigned
311 (97.5%) exact matches, in which:
307 unique CDR3
13 unique J



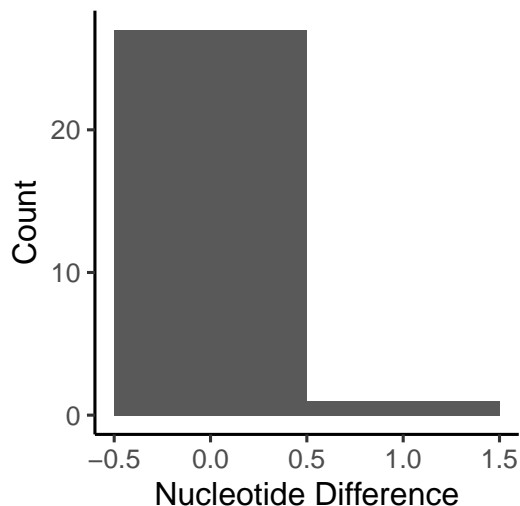
TRBV15*ap02

1354 sequences assigned
1343 (99.2%) exact matches, in which:
1339 unique CDR3
13 unique J



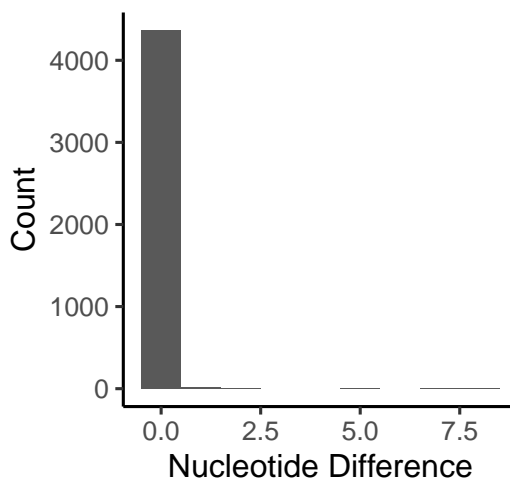
TRBV16*ap01

28 sequences assigned
27 (96.4%) exact matches, in which:
27 unique CDR3
7 unique J



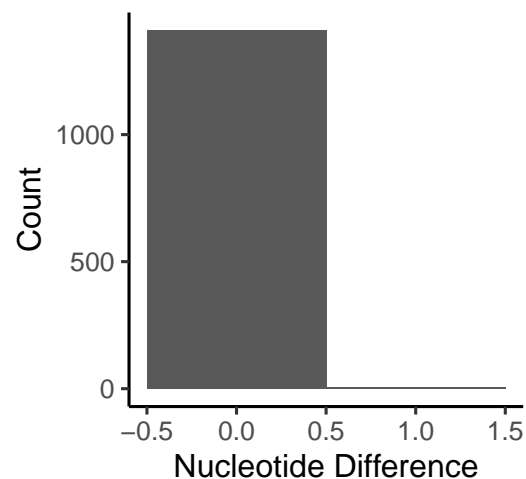
TRBV19*ap01

4394 sequences assigned
4364 (99.3%) exact matches, in which:
4347 unique CDR3
13 unique J



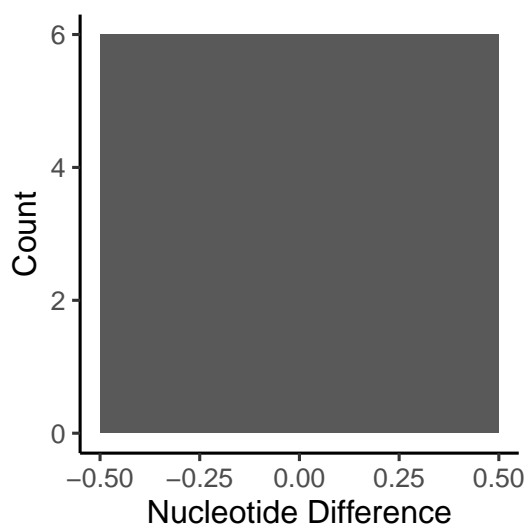
TRBV28*ap01

1415 sequences assigned
1410 (99.6%) exact matches, in which:
1406 unique CDR3
13 unique J



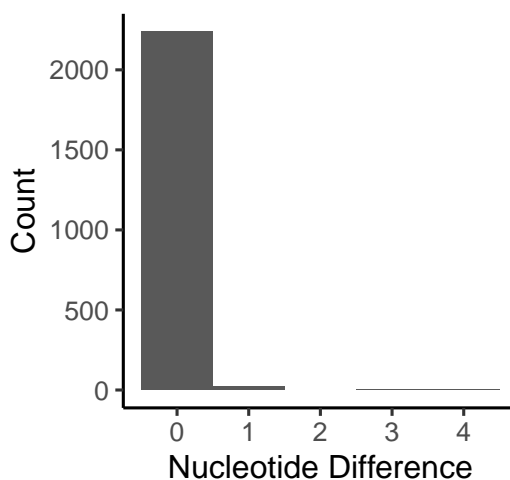
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
6 unique J



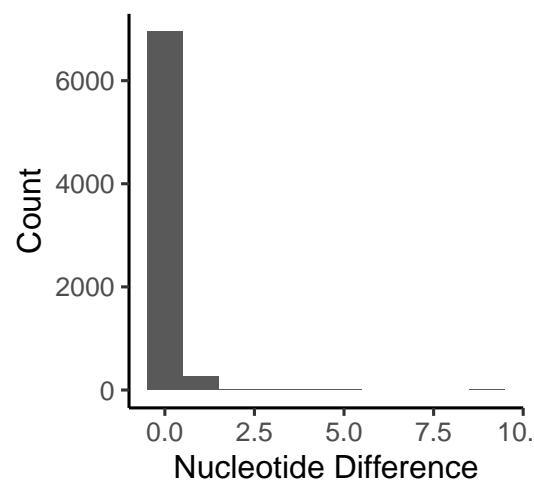
TRBV2*ap01

2259 sequences assigned
2238 (99.1%) exact matches, in which:
2230 unique CDR3
13 unique J



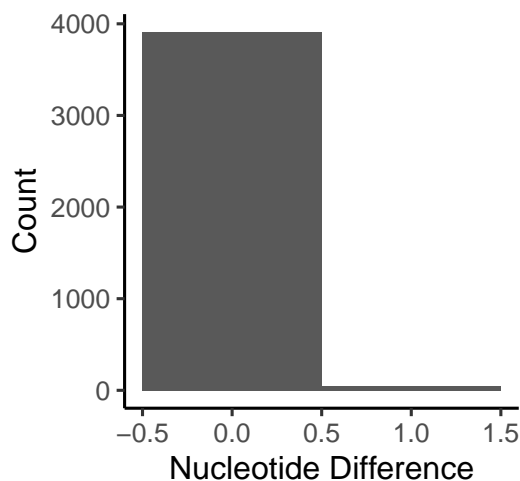
TRBV30*ap01

7217 sequences assigned
6949 (96.3%) exact matches, in which:
6743 unique CDR3
13 unique J



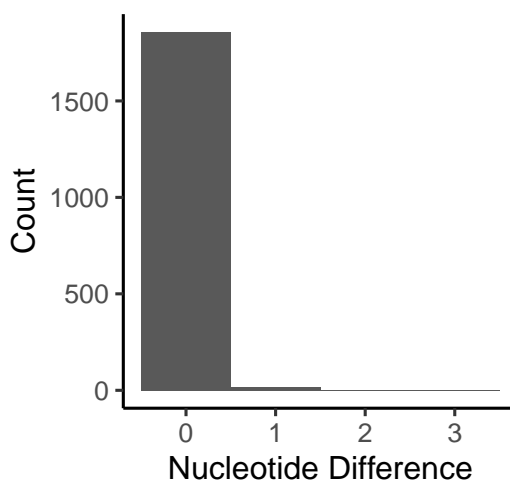
TRBV18*ap01

3954 sequences assigned
3910 (98.9%) exact matches, in which:
3879 unique CDR3
13 unique J



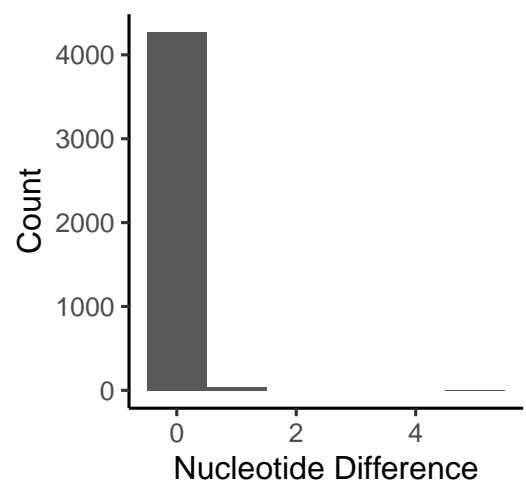
TRBV27*ap01

1877 sequences assigned
1857 (98.9%) exact matches, in which:
1849 unique CDR3
13 unique J



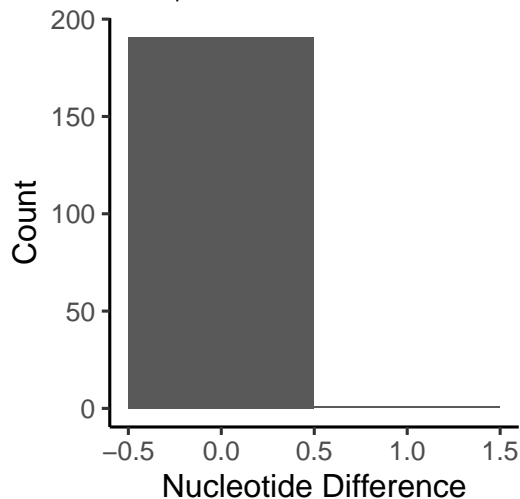
TRBV9*ap01

4311 sequences assigned
4272 (99.1%) exact matches, in which:
4257 unique CDR3
13 unique J



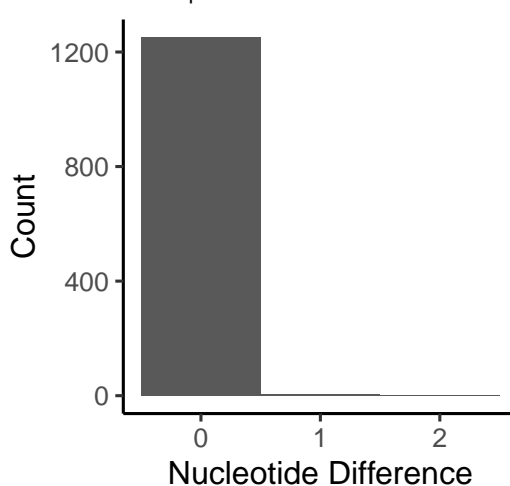
TRBV11-1*ap01

192 sequences assigned
191 (99.5%) exact matches, in which:
190 unique CDR3
13 unique J



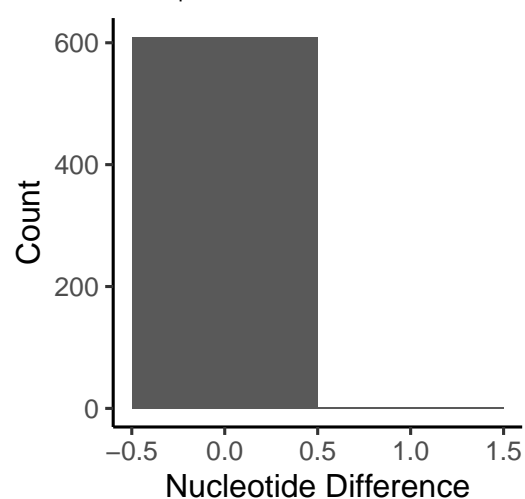
TRBV11-3*ap01

1258 sequences assigned
1251 (99.4%) exact matches, in which:
1250 unique CDR3
13 unique J



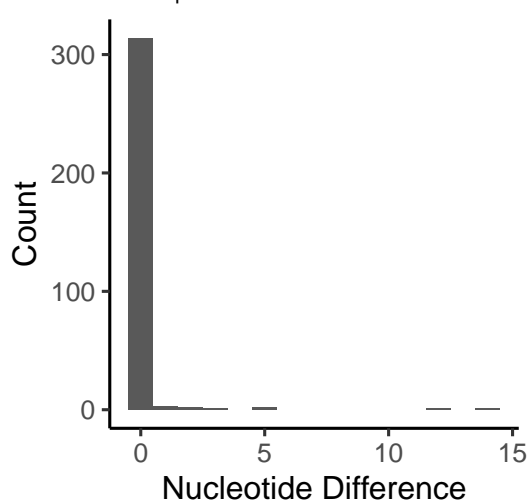
TRBV12-5*ap01

612 sequences assigned
610 (99.7%) exact matches, in which:
608 unique CDR3
13 unique J



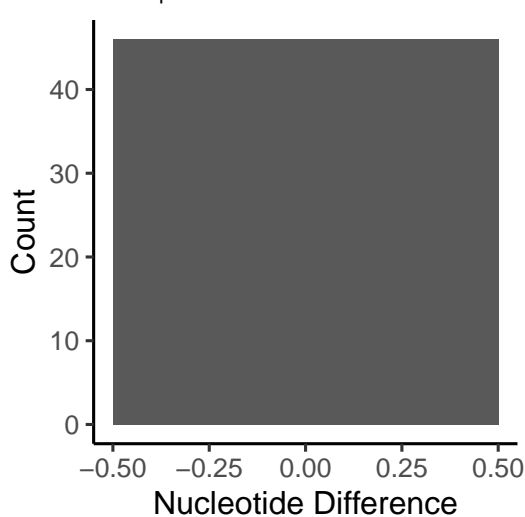
TRBV21-1*ap01

324 sequences assigned
314 (96.9%) exact matches, in which:
313 unique CDR3
13 unique J



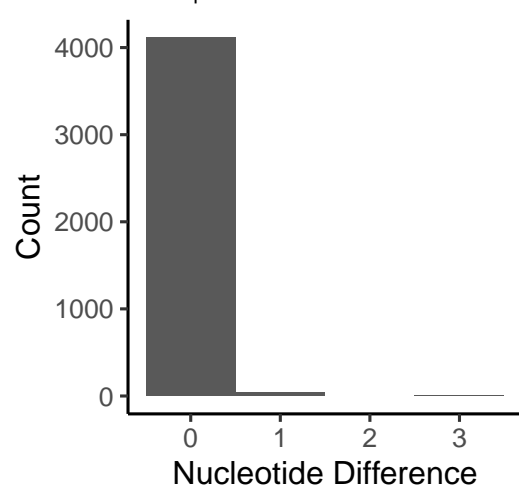
TRBV12-1*ap01

46 sequences assigned
46 (100%) exact matches, in which:
46 unique CDR3
12 unique J



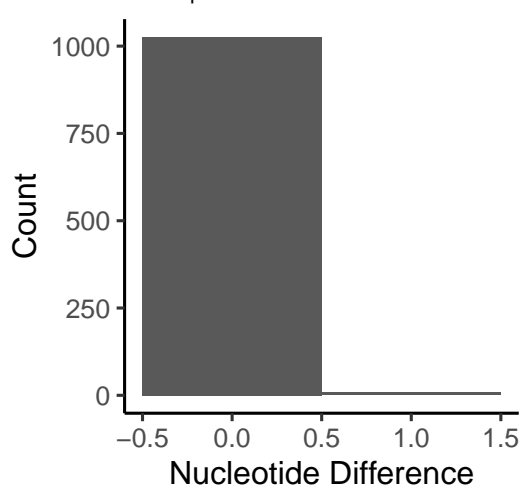
TRBV12-34*ap01

4149 sequences assigned
4113 (99.1%) exact matches, in which:
4104 unique CDR3
13 unique J



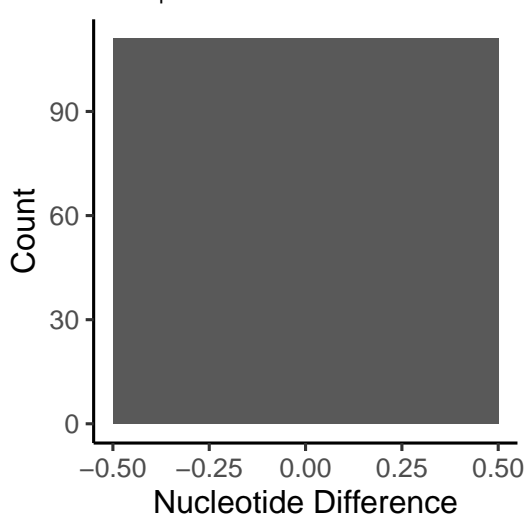
TRBV11-2*ap01

1034 sequences assigned
1026 (99.2%) exact matches, in which:
1021 unique CDR3
13 unique J



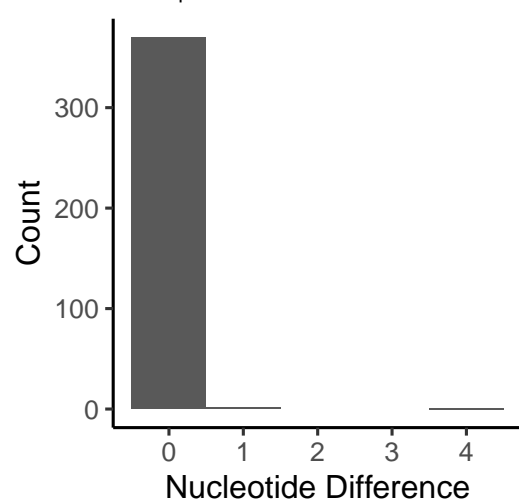
TRBV12-2*ap01

111 sequences assigned
111 (100%) exact matches, in which:
111 unique CDR3
12 unique J



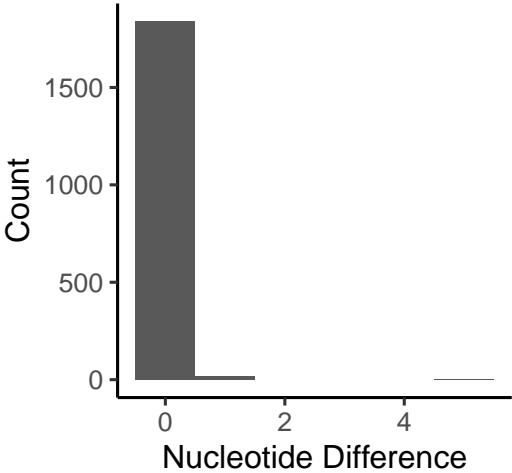
TRBV23-1*ap01

373 sequences assigned
370 (99.2%) exact matches, in which:
370 unique CDR3
13 unique J



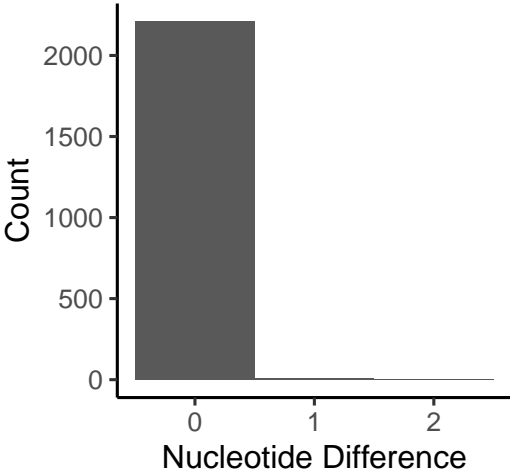
TRBV3-12*ap01

1860 sequences assigned
1839 (98.9%) exact matches, in which:
1834 unique CDR3
13 unique J



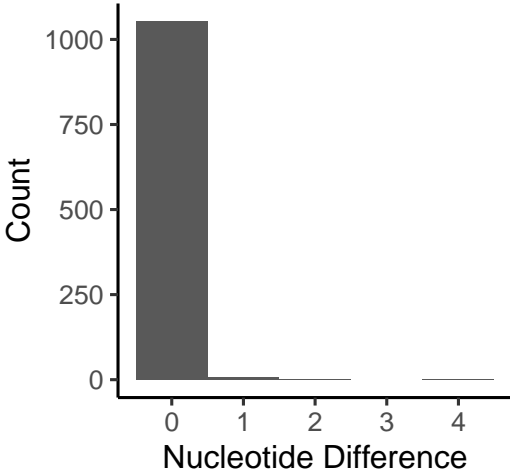
TRBV4-2*ap01

2221 sequences assigned
2210 (99.5%) exact matches, in which:
2193 unique CDR3
13 unique J



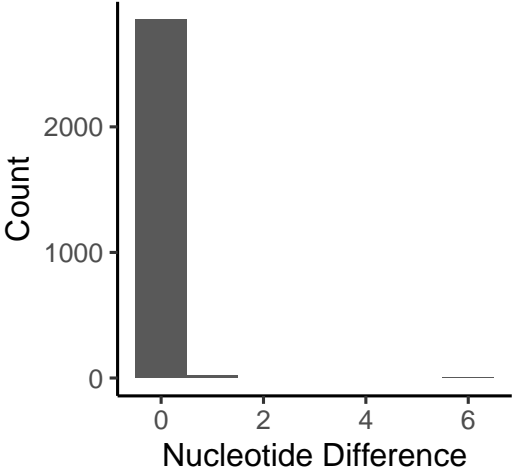
TRBV25-1*ap01

1062 sequences assigned
1053 (99.2%) exact matches, in which:
1044 unique CDR3
13 unique J



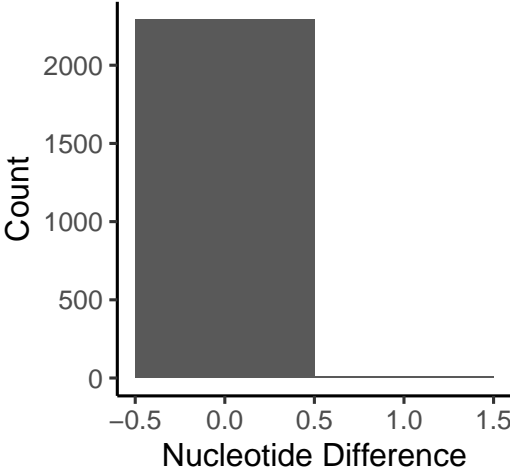
TRBV4-1*ap01

2872 sequences assigned
2853 (99.3%) exact matches, in which:
2829 unique CDR3
13 unique J



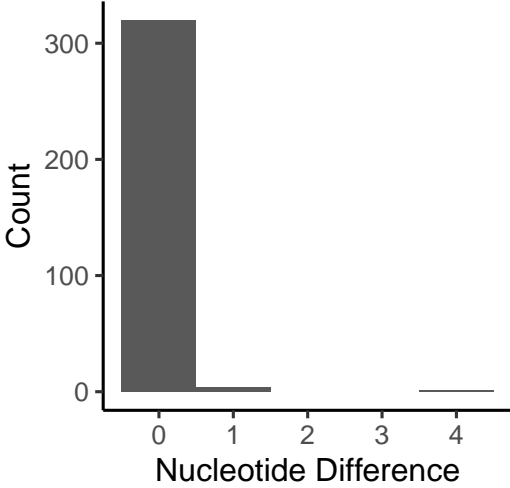
TRBV4-3*ap01

2299 sequences assigned
2291 (99.7%) exact matches, in which:
2272 unique CDR3
13 unique J



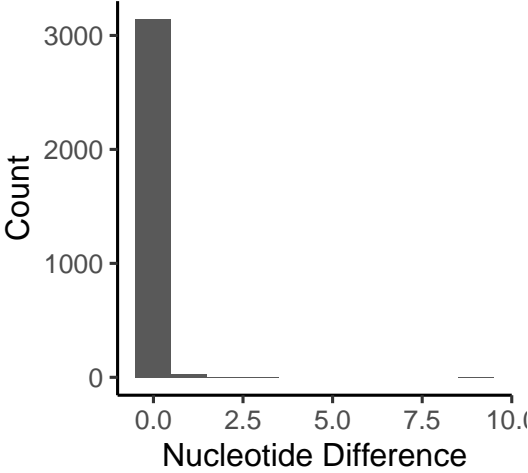
TRBV5-3*ap01

325 sequences assigned
320 (98.5%) exact matches, in which:
320 unique CDR3
13 unique J



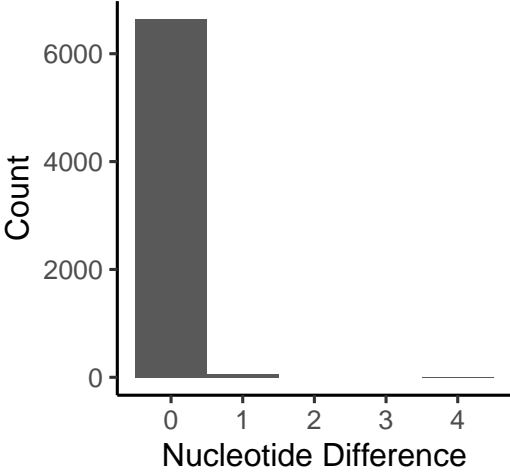
TRBV24-1*ap01

3176 sequences assigned
3144 (99%) exact matches, in which:
3128 unique CDR3
13 unique J



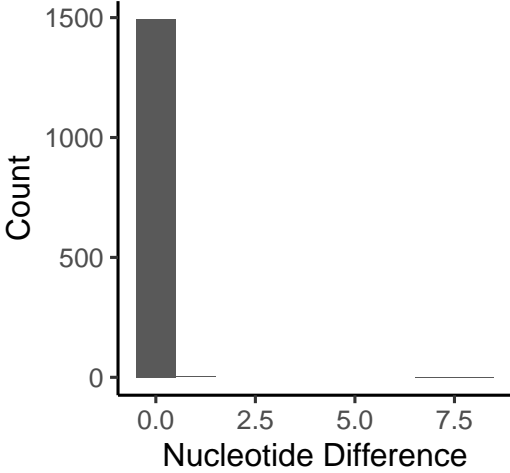
TRBV5-1*ap01

6707 sequences assigned
6643 (99%) exact matches, in which:
6586 unique CDR3
13 unique J



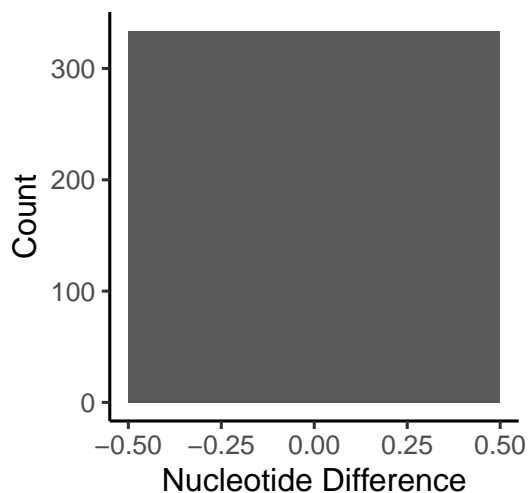
TRBV5-4*ap01

1500 sequences assigned
1494 (99.6%) exact matches, in which:
1488 unique CDR3
13 unique J



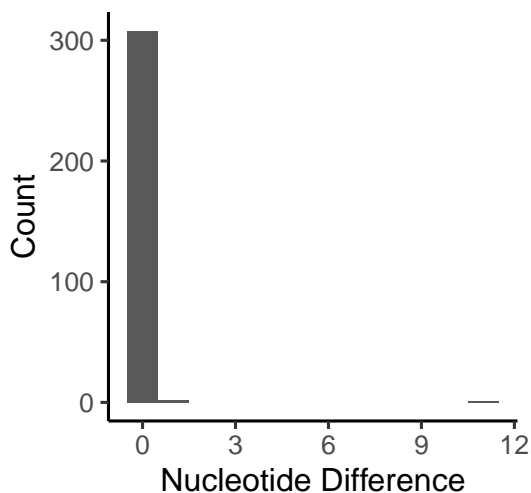
TRBV5–5*ap01

334 sequences assigned
334 (100%) exact matches, in which:
332 unique CDR3
12 unique J



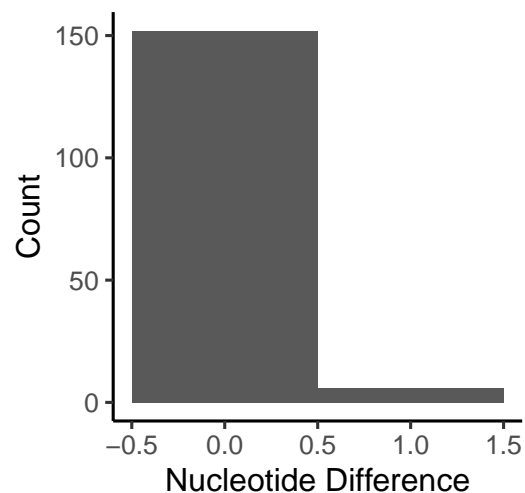
TRBV5–8*ap01

311 sequences assigned
308 (99%) exact matches, in which:
308 unique CDR3
13 unique J



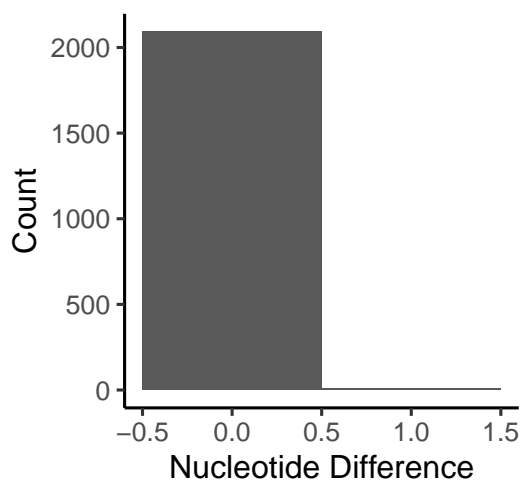
TRBV6–7*ap01

158 sequences assigned
152 (96.2%) exact matches, in which:
151 unique CDR3
12 unique J



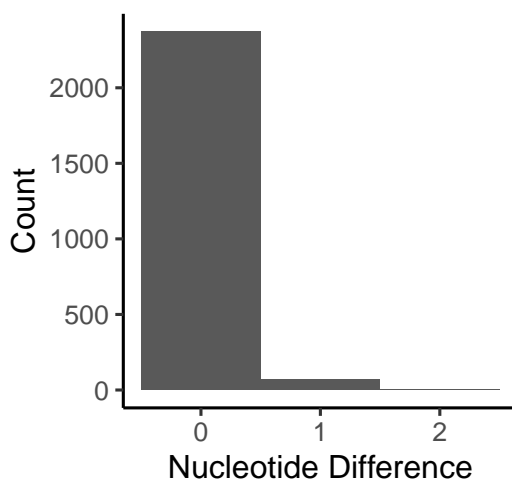
TRBV5–6*ap01

2101 sequences assigned
2092 (99.6%) exact matches, in which:
2075 unique CDR3
13 unique J



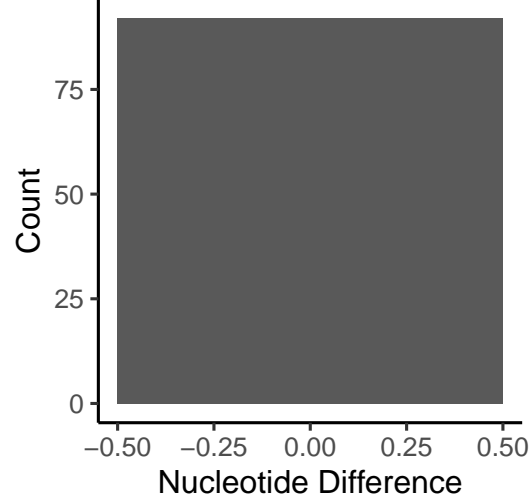
TRBV6–1*ap01

2442 sequences assigned
2371 (97.1%) exact matches, in which:
2349 unique CDR3
13 unique J



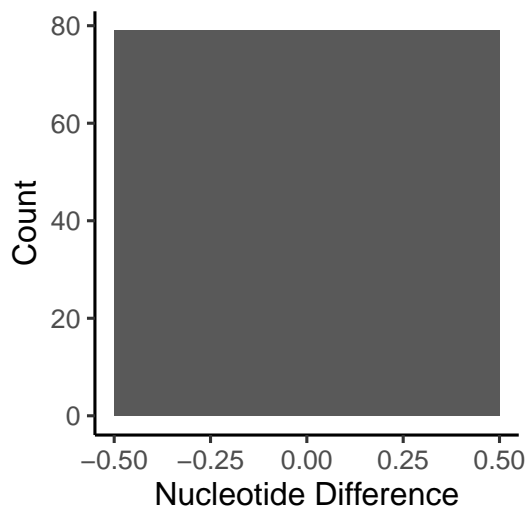
TRBV6–8*ap01

92 sequences assigned
92 (100%) exact matches, in which:
91 unique CDR3
11 unique J



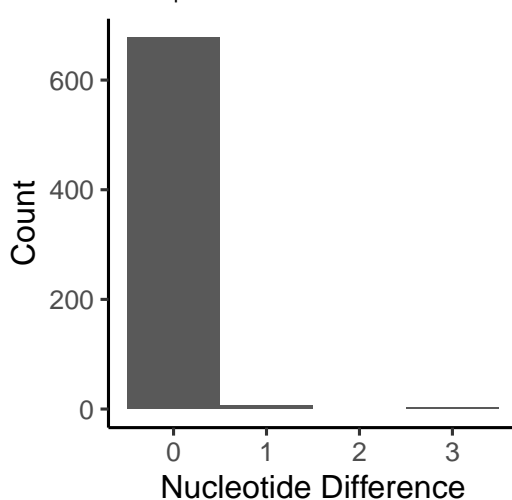
TRBV5–7*ap01

79 sequences assigned
79 (100%) exact matches, in which:
79 unique CDR3
11 unique J



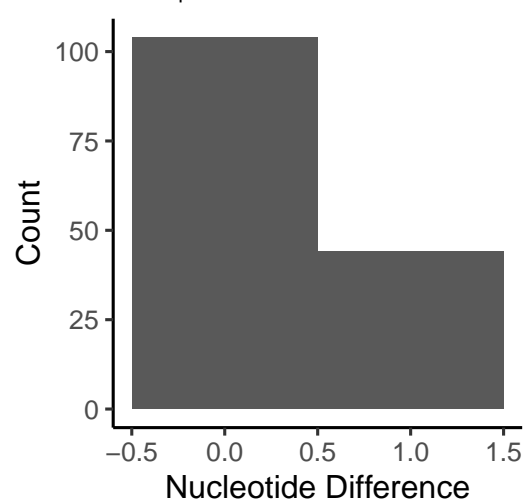
TRBV6–4*ap01

687 sequences assigned
678 (98.7%) exact matches, in which:
672 unique CDR3
13 unique J



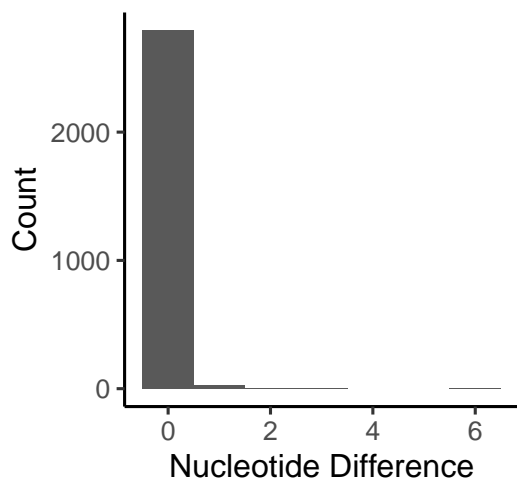
TRBV6–9*ap01

148 sequences assigned
104 (70.3%) exact matches, in which:
103 unique CDR3
13 unique J



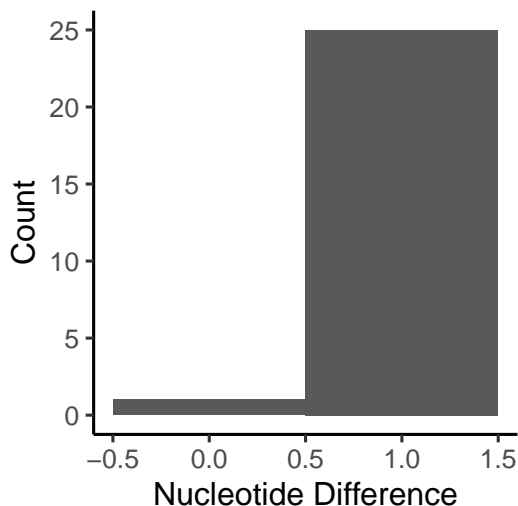
TRBV6-23*ap01

2821 sequences assigned
2793 (99%) exact matches, in which:
2778 unique CDR3
13 unique J



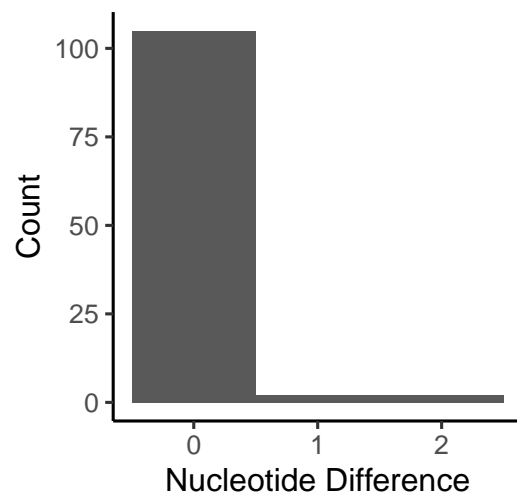
TRBV7-1*ap01_T296C

26 sequences assigned
1 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



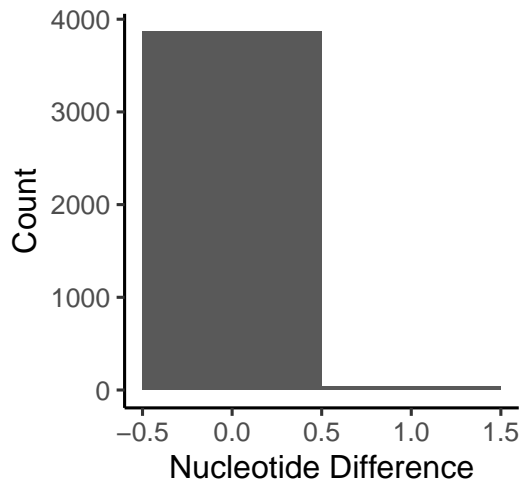
TRBV7-4*ap01

109 sequences assigned
105 (96.3%) exact matches, in which:
105 unique CDR3
12 unique J



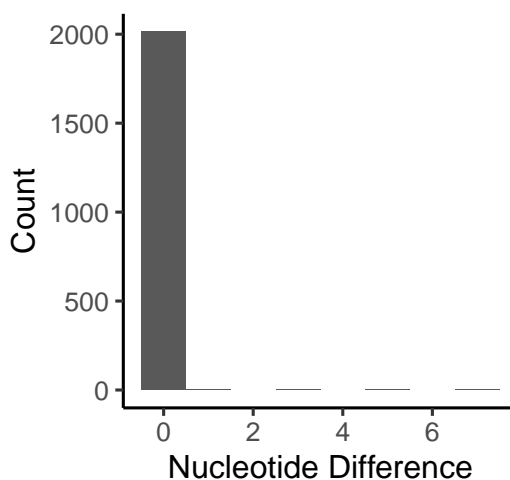
TRBV6-56*ap01

3899 sequences assigned
3865 (99.1%) exact matches, in which:
3837 unique CDR3
13 unique J



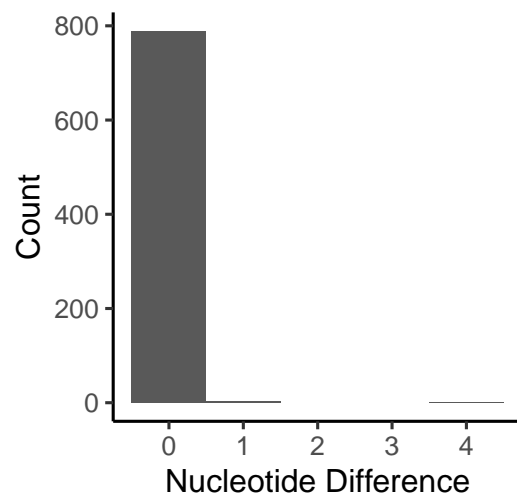
TRBV7-2*ap01

2022 sequences assigned
2014 (99.6%) exact matches, in which:
2004 unique CDR3
13 unique J



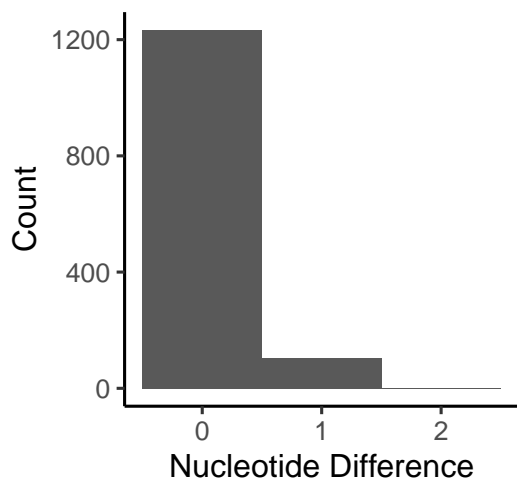
TRBV7-6*ap01

793 sequences assigned
789 (99.5%) exact matches, in which:
786 unique CDR3
13 unique J



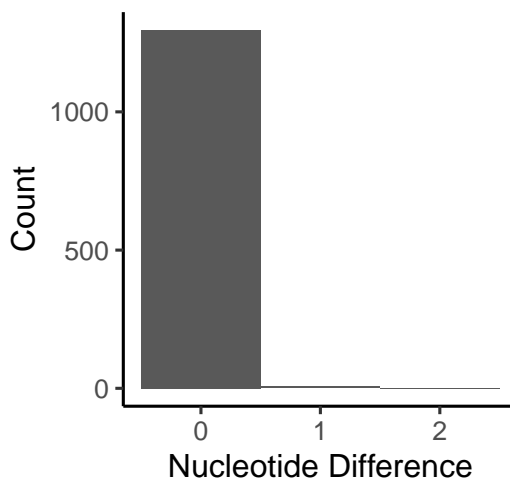
TRBV6-56*ap02

1338 sequences assigned
1233 (92.2%) exact matches, in which:
1223 unique CDR3
13 unique J



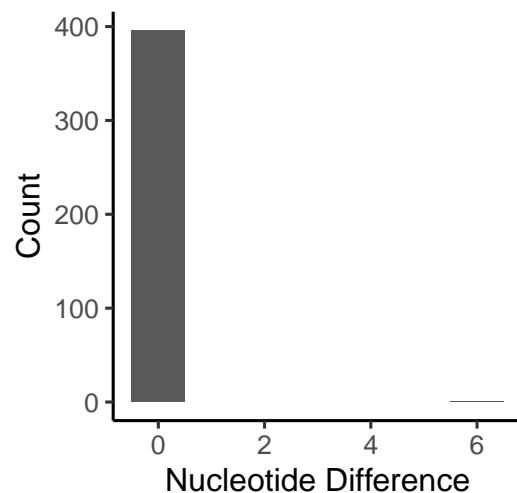
TRBV7-3*ap01

1303 sequences assigned
1296 (99.5%) exact matches, in which:
1291 unique CDR3
13 unique J



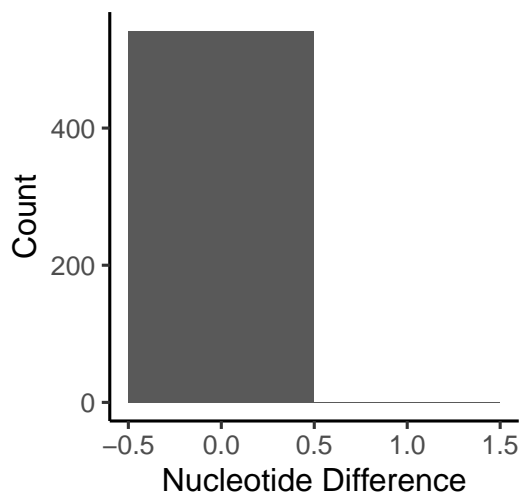
TRBV7-7*ap01_C315T

397 sequences assigned
396 (99.7%) exact matches, in which:
394 unique CDR3
13 unique J



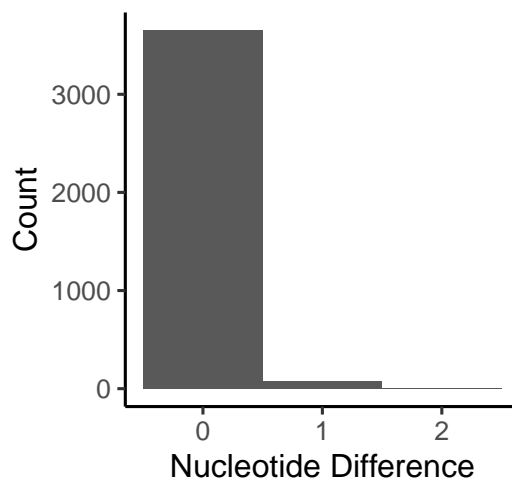
TRBV7-8*ap01

543 sequences assigned
542 (99.8%) exact matches, in which:
541 unique CDR3
13 unique J



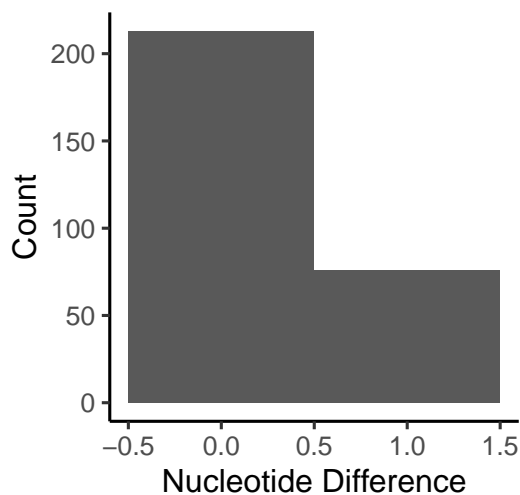
TRBV29-1*ap01

3727 sequences assigned
3651 (98%) exact matches, in which:
3566 unique CDR3
13 unique J



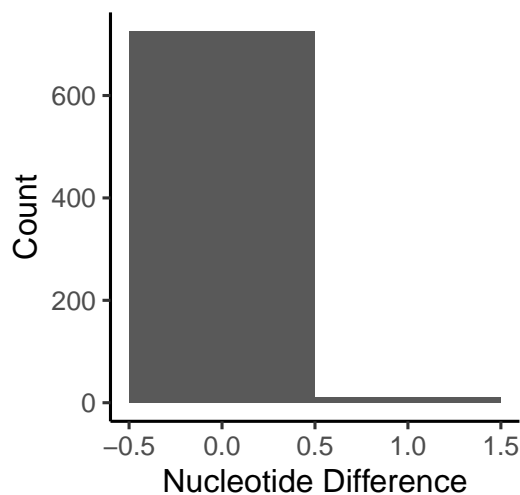
TRBV7-8*ap03

289 sequences assigned
213 (73.7%) exact matches, in which:
213 unique CDR3
13 unique J



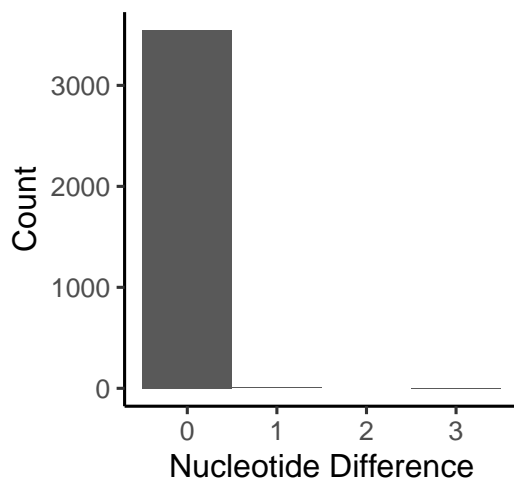
TRBV29-1*ap02

737 sequences assigned
726 (98.5%) exact matches, in which:
715 unique CDR3
13 unique J

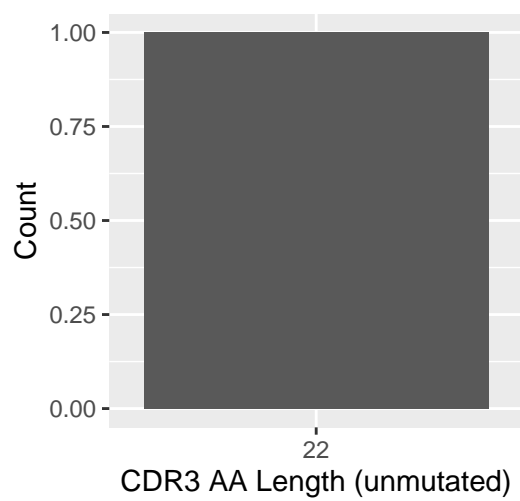


TRBV7-9*ap01

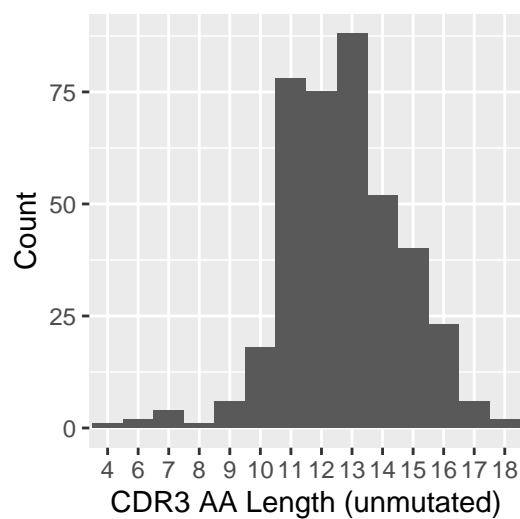
3558 sequences assigned
3548 (99.7%) exact matches, in which:
3532 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]