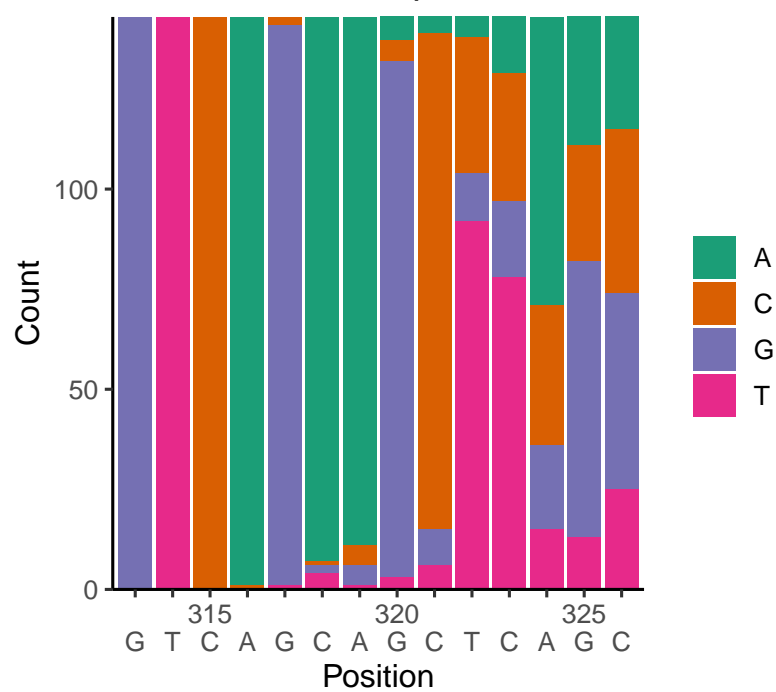
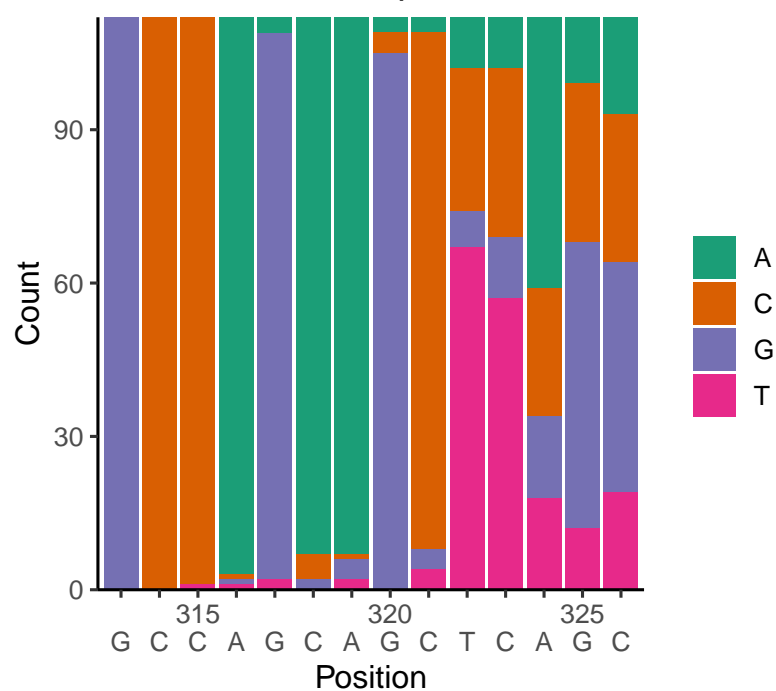


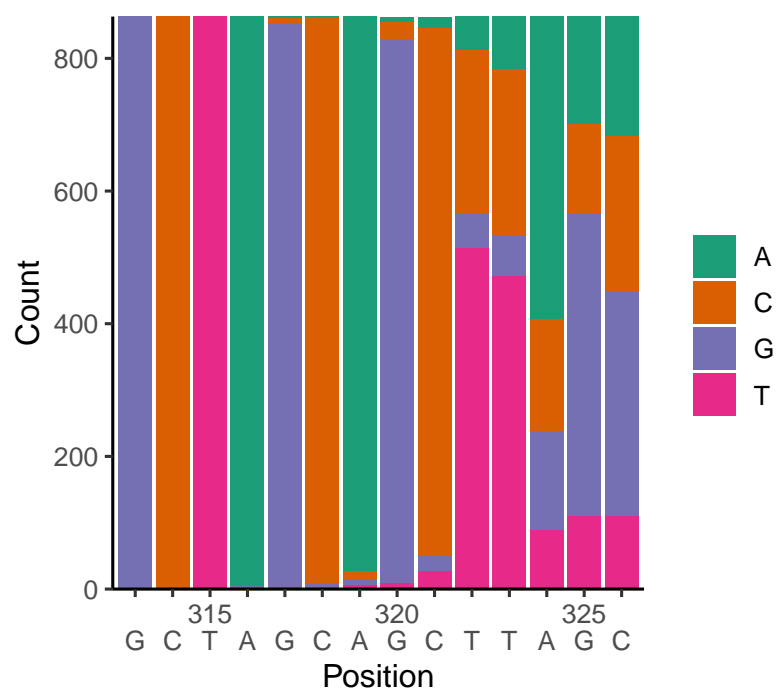
Gene TRBV7-1*ap01_G291C_T296C_C314T



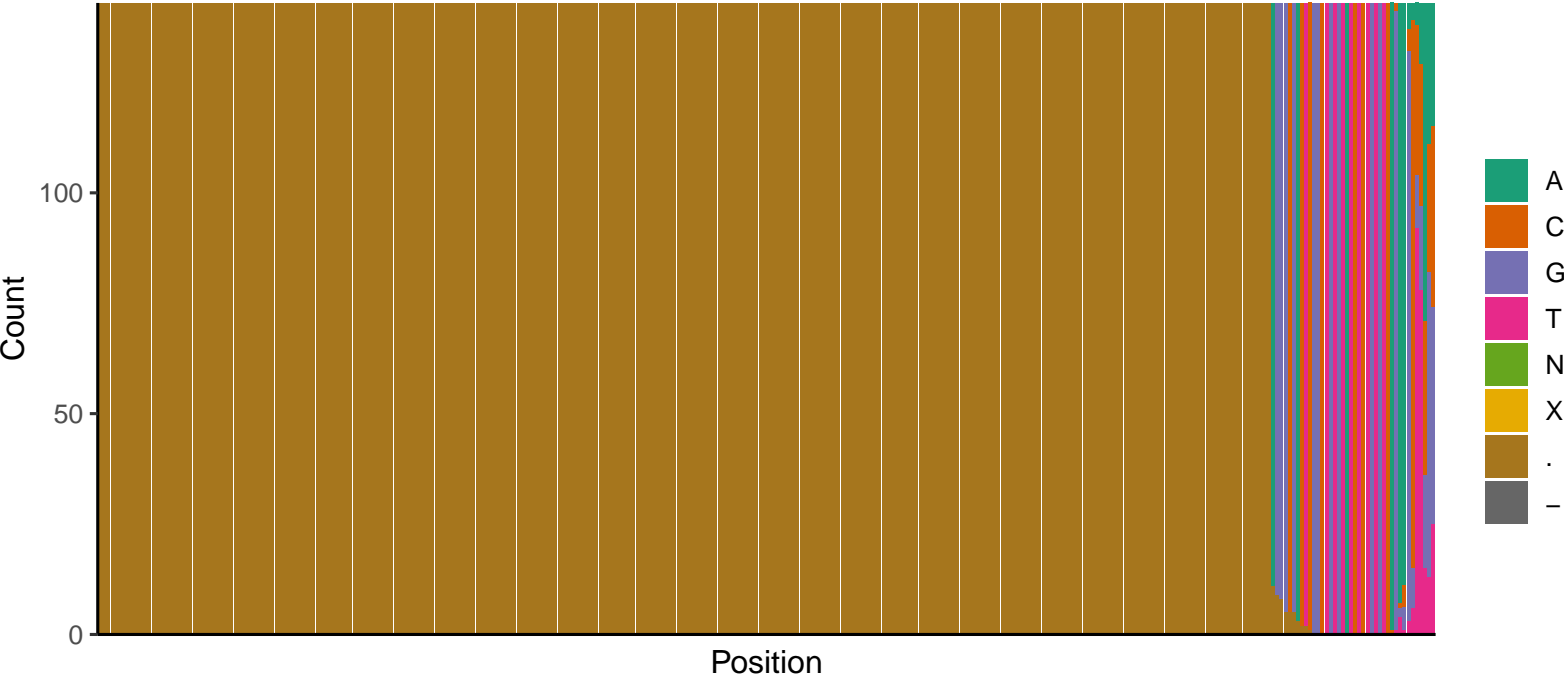
Gene TRBV7-1*ap01_G291C_T296C



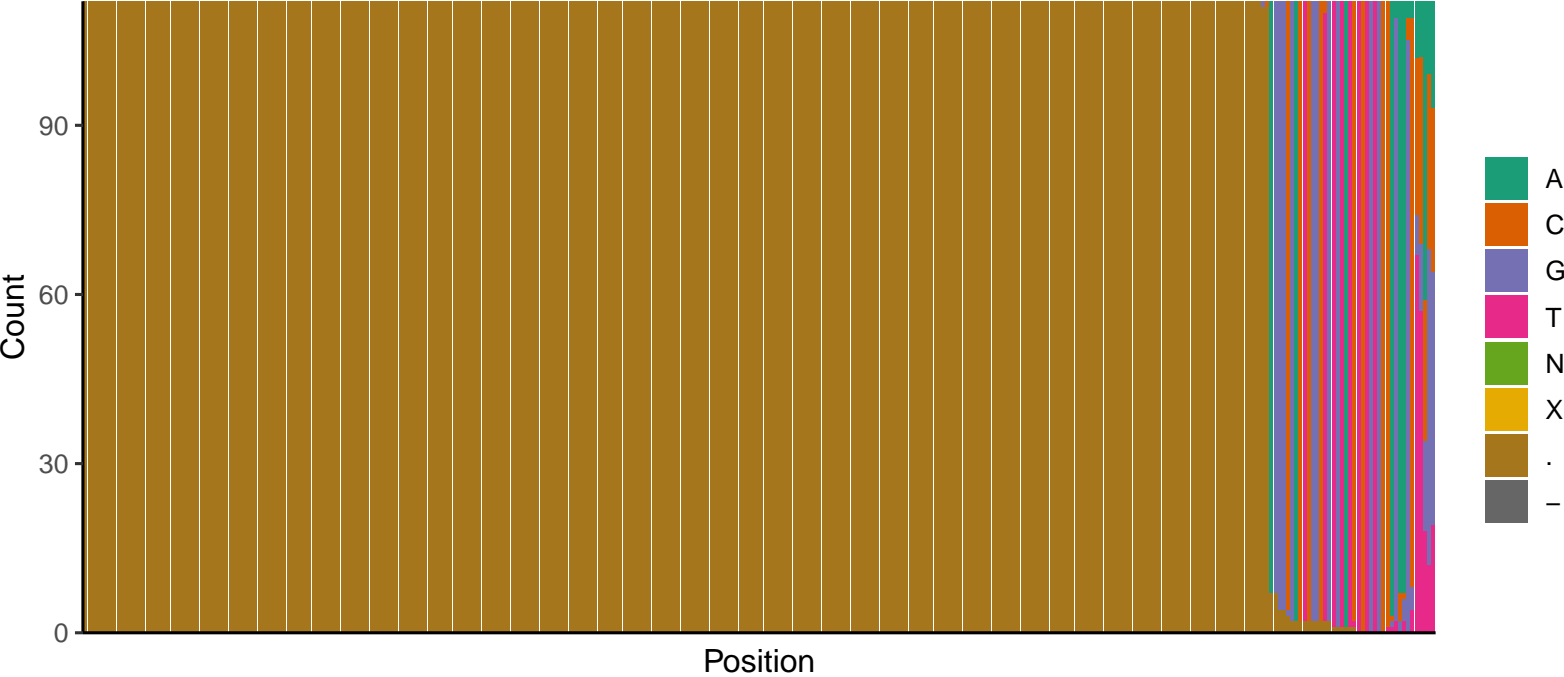
Gene TRBV7-7*ap01_C315T



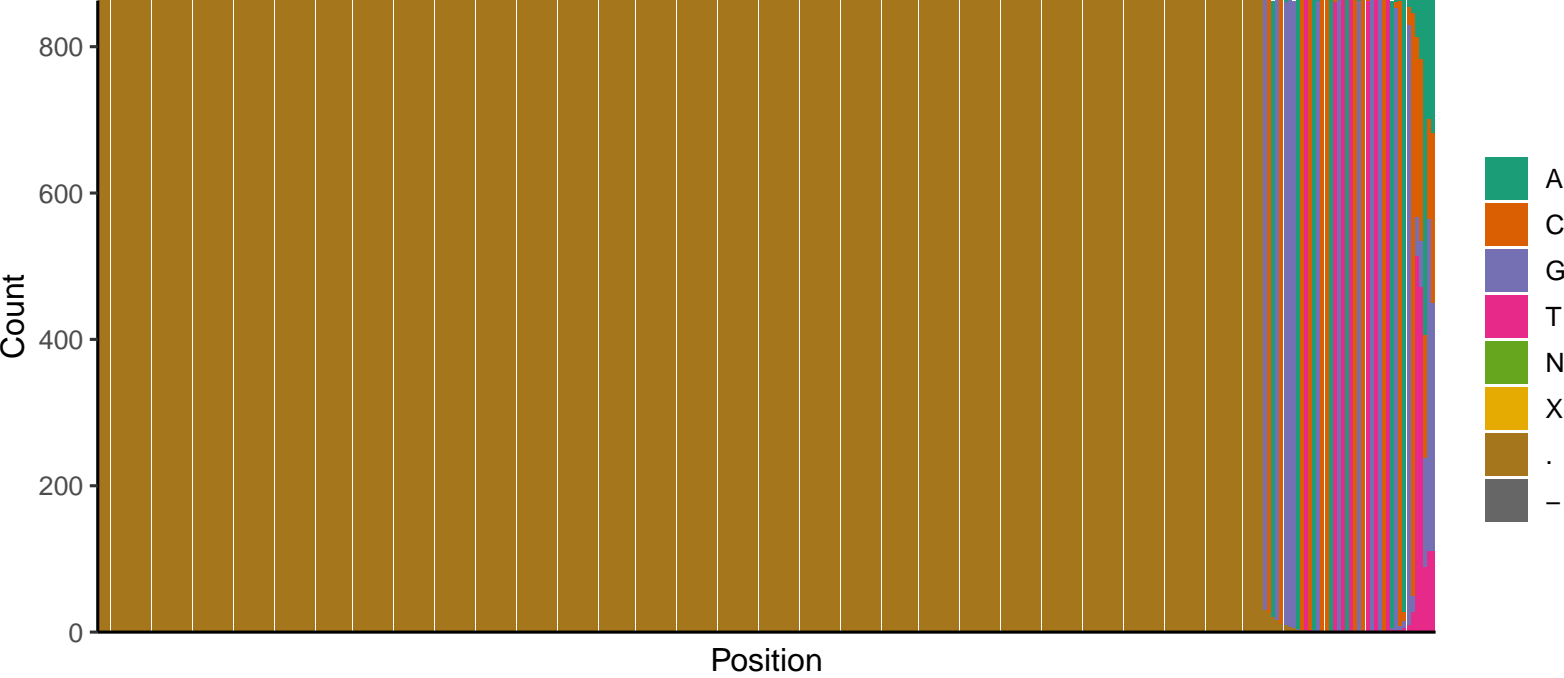
Gene TRBV7-1*ap01_G291C_T296C_C314T



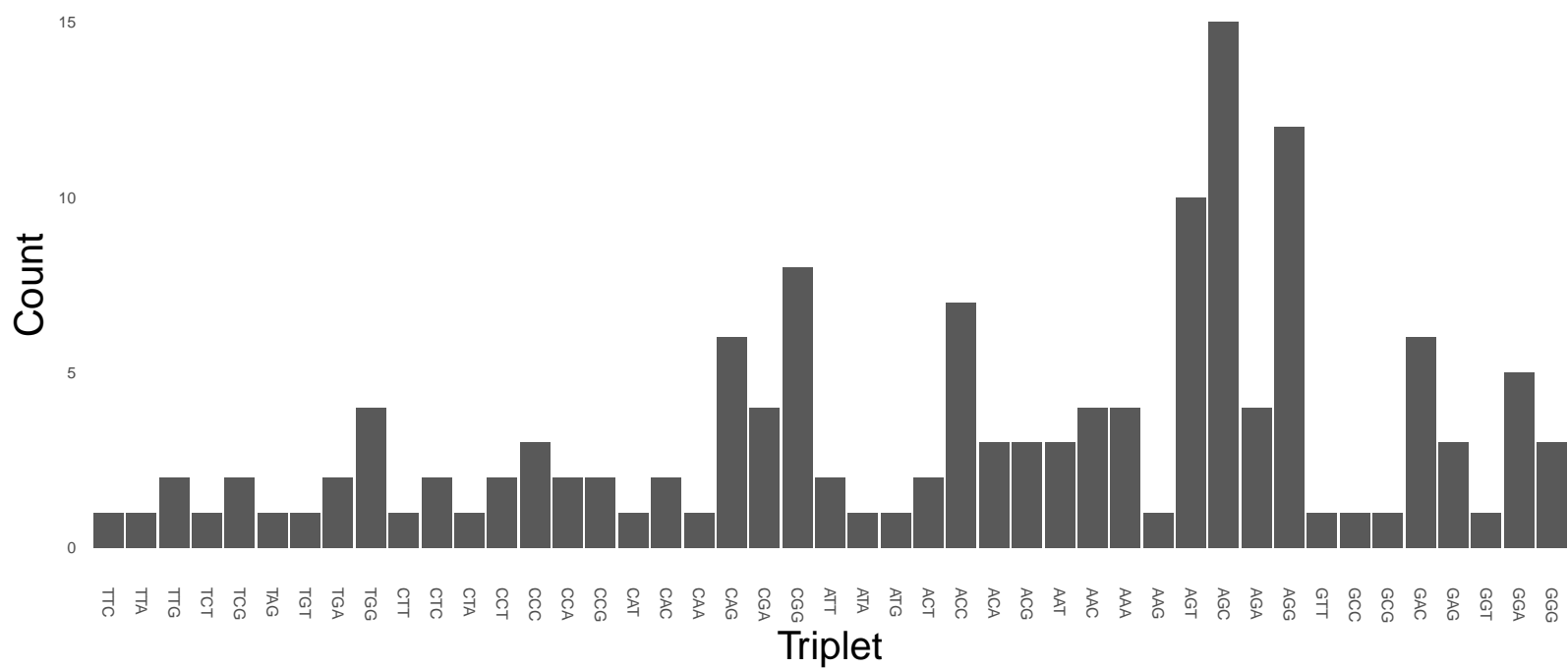
Gene TRBV7-1*ap01_G291C_T296C



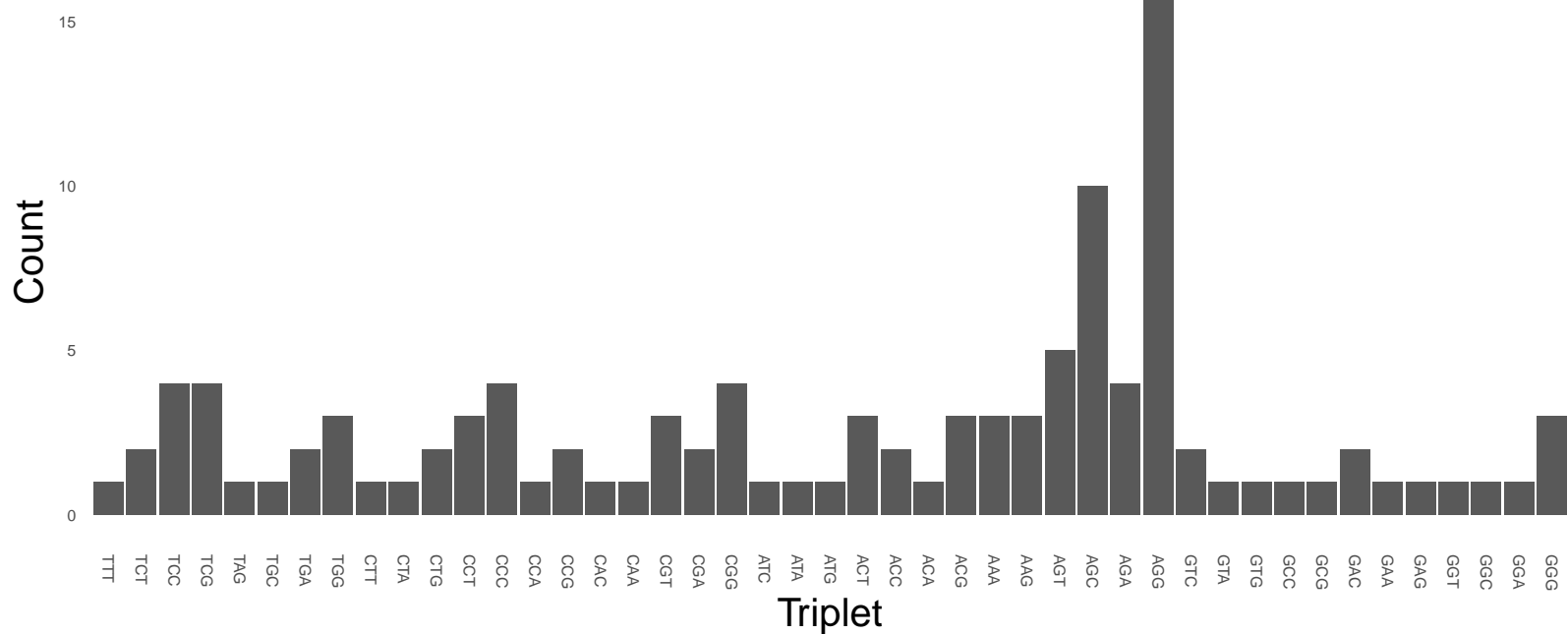
Gene TRBV7-7*ap01_C315T



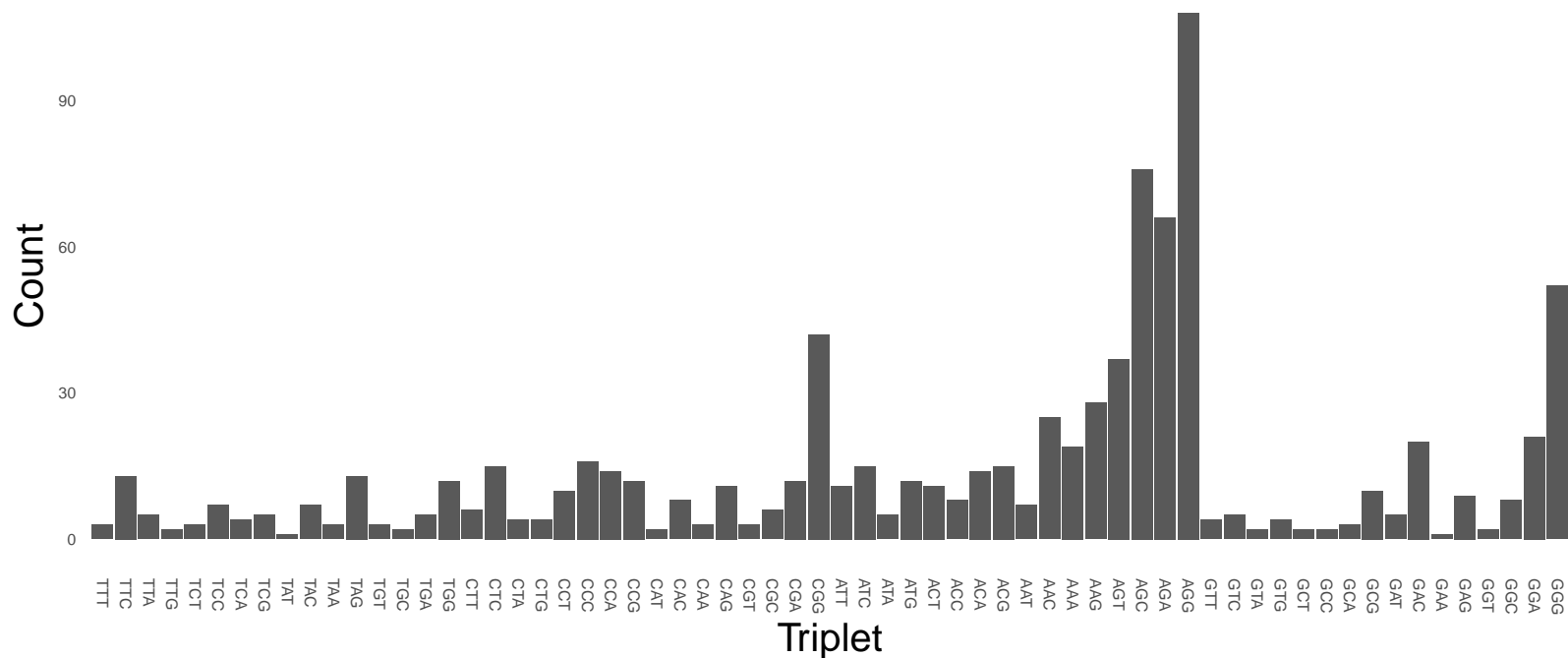
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

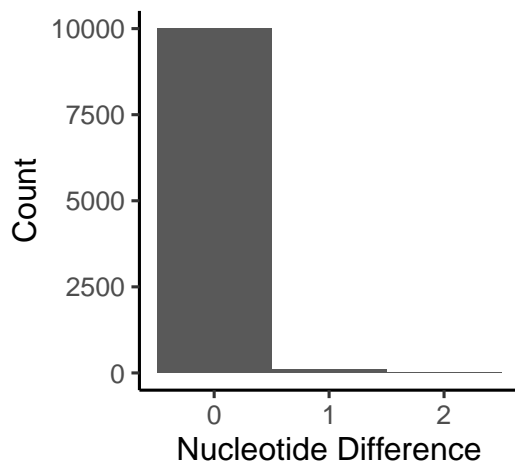


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



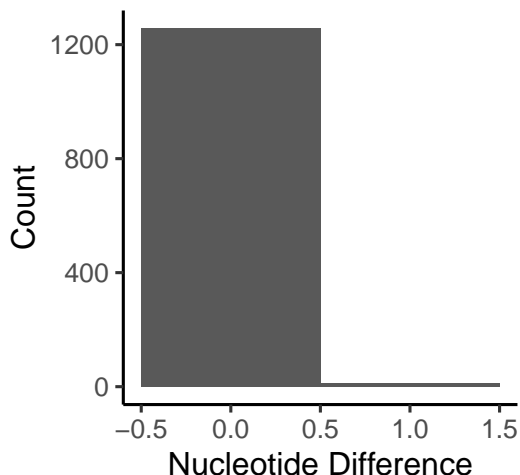
TRBV20-1*ap01

10121 sequences assigned
10013 (98.9%) exact matches, in which:
9866 unique CDR3
13 unique J



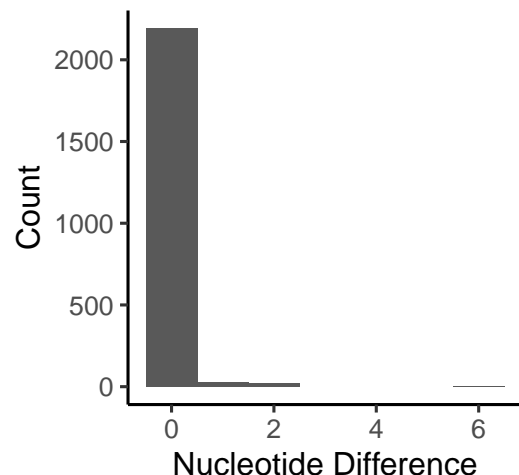
TRBV10-2*ap01

1269 sequences assigned
1257 (99.1%) exact matches, in which:
1238 unique CDR3
13 unique J



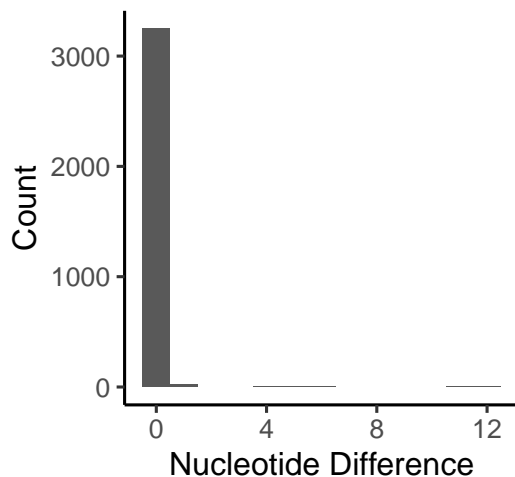
TRBV13*ap01

2246 sequences assigned
2192 (97.6%) exact matches, in which:
2143 unique CDR3
13 unique J



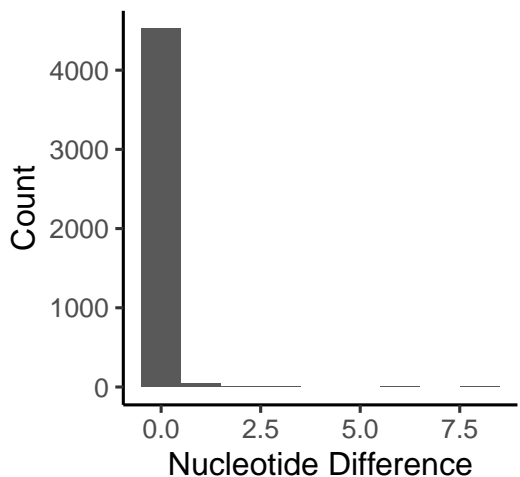
TRBV10-1*ap01

3277 sequences assigned
3248 (99.1%) exact matches, in which:
3198 unique CDR3
13 unique J



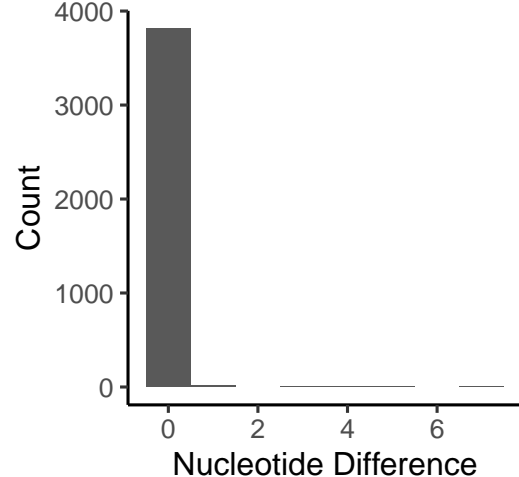
TRBV10-3*ap01

4568 sequences assigned
4523 (99%) exact matches, in which:
4445 unique CDR3
13 unique J



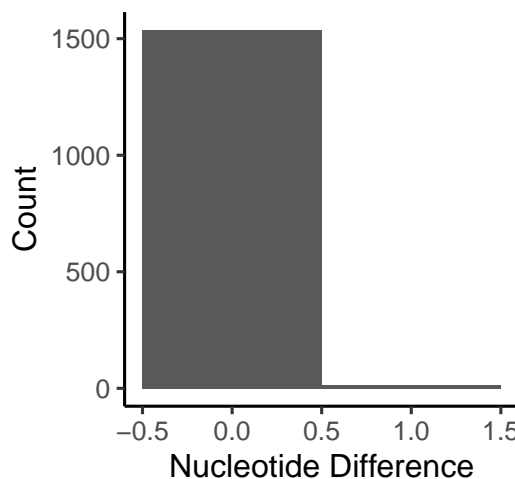
TRBV14*ap01

3839 sequences assigned
3812 (99.3%) exact matches, in which:
3759 unique CDR3
13 unique J



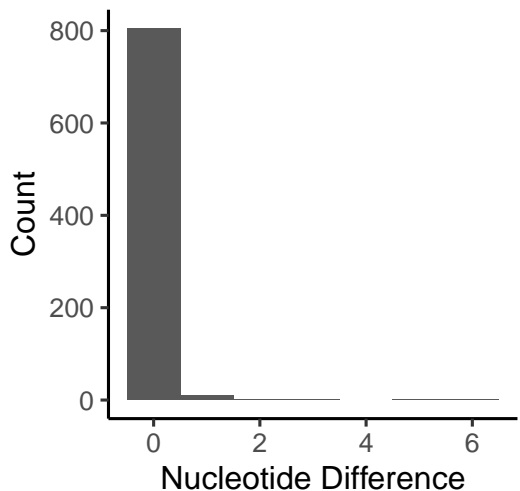
TRBV20-1*ap02

1551 sequences assigned
1537 (99.1%) exact matches, in which:
1521 unique CDR3
13 unique J



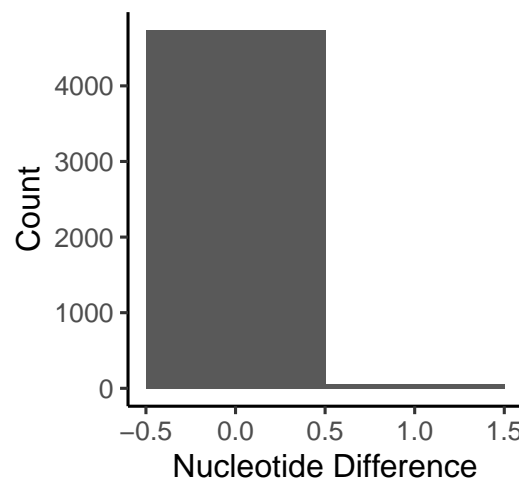
TRBV1*ap01

820 sequences assigned
805 (98.2%) exact matches, in which:
788 unique CDR3
13 unique J



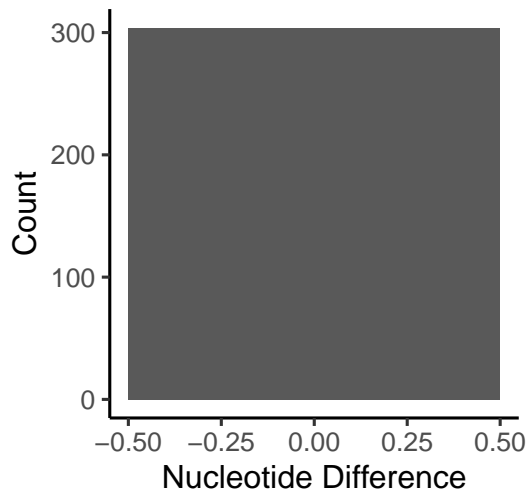
TRBV15*ap02

4795 sequences assigned
4738 (98.8%) exact matches, in which:
4648 unique CDR3
13 unique J



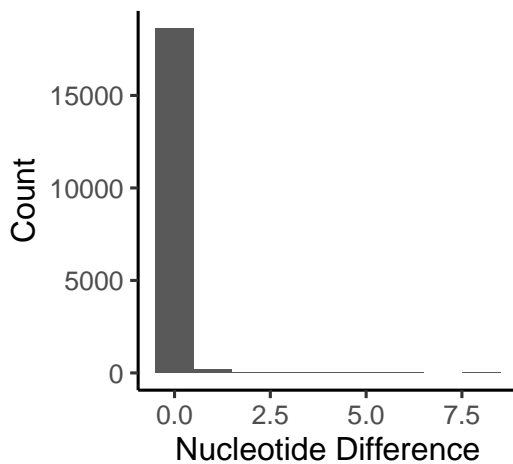
TRBV16*ap01

304 sequences assigned
304 (100%) exact matches, in which:
300 unique CDR3
13 unique J



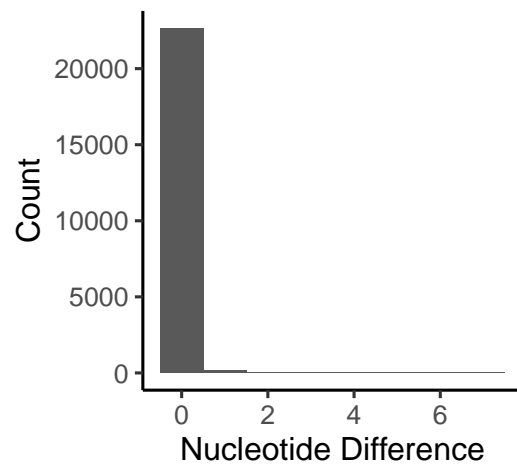
TRBV19*ap01

18824 sequences assigned
18638 (99%) exact matches, in which:
18497 unique CDR3
13 unique J



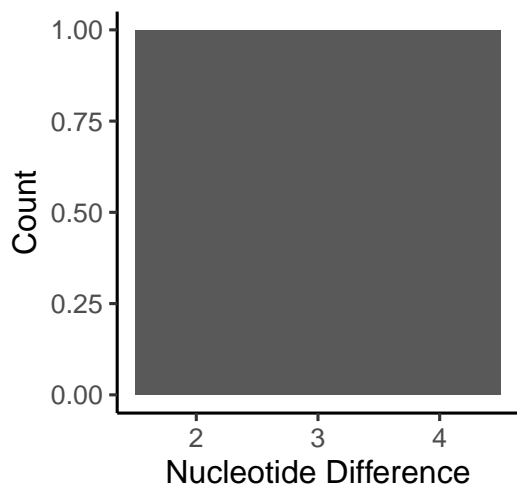
TRBV28*ap01

22852 sequences assigned
22662 (99.2%) exact matches, in which:
22356 unique CDR3
13 unique J



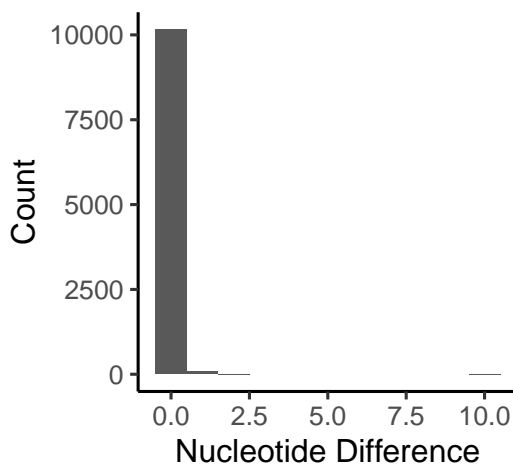
TRBV17*ap01

3 sequences assigned
No exact matches.



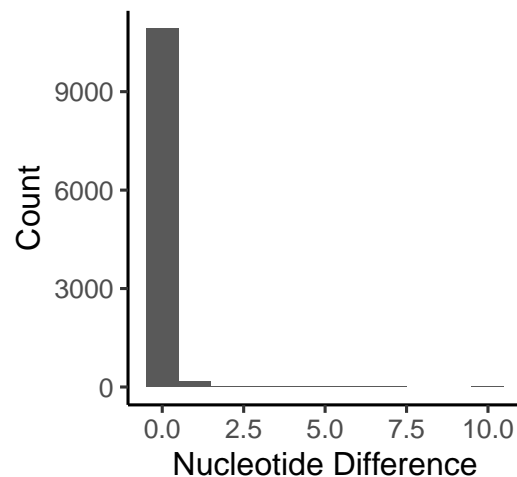
TRBV2*ap01

10249 sequences assigned
10160 (99.1%) exact matches, in which:
10002 unique CDR3
13 unique J



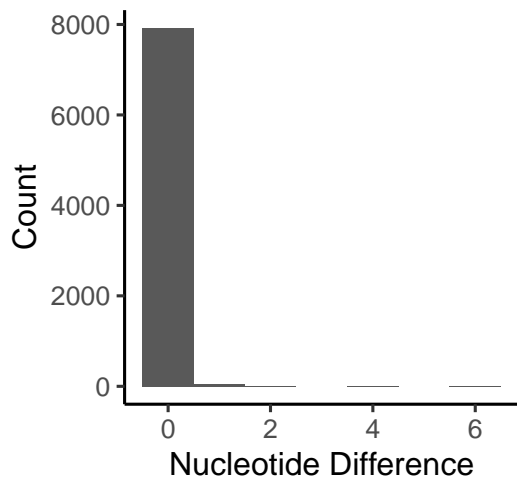
TRBV30*ap01

11109 sequences assigned
10918 (98.3%) exact matches, in which:
10664 unique CDR3
13 unique J



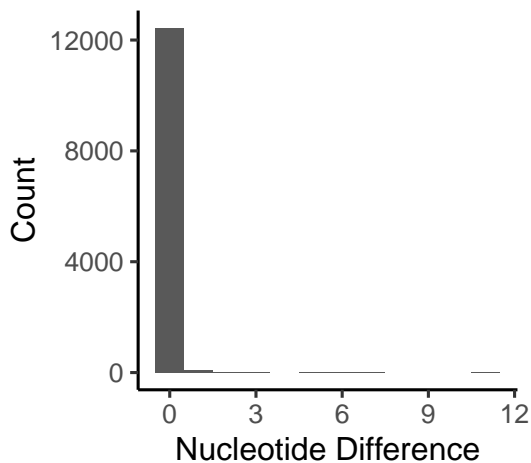
TRBV18*ap01

7974 sequences assigned
7921 (99.3%) exact matches, in which:
7860 unique CDR3
13 unique J



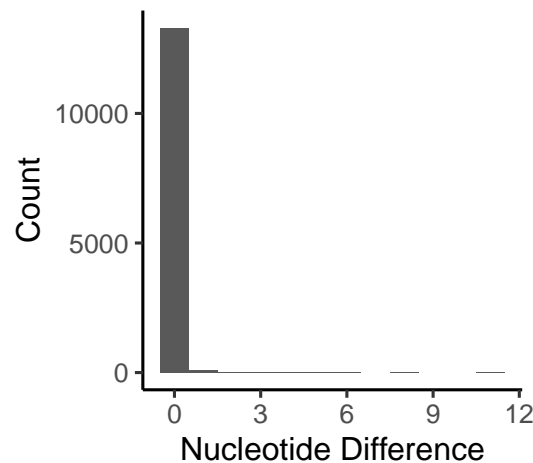
TRBV27*ap01

12560 sequences assigned
12442 (99.1%) exact matches, in which:
12219 unique CDR3
13 unique J



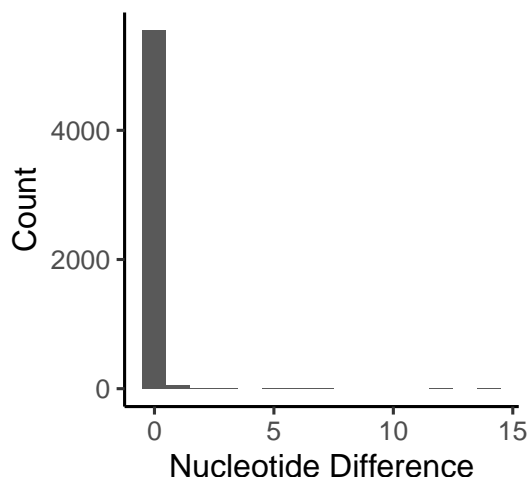
TRBV9*ap01

13410 sequences assigned
13305 (99.2%) exact matches, in which:
13165 unique CDR3
13 unique J



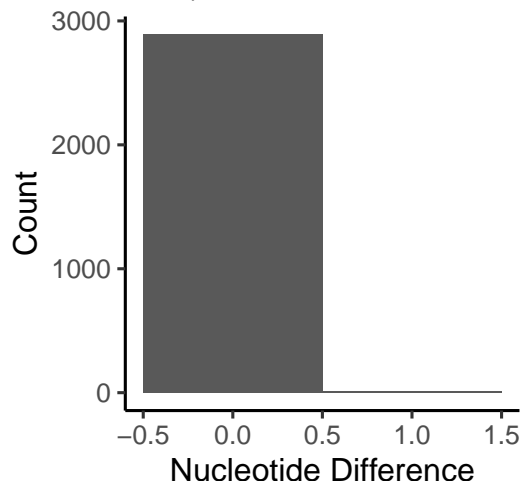
TRBV21-1*ap01

5618 sequences assigned
5547 (98.7%) exact matches, in which:
5500 unique CDR3
13 unique J



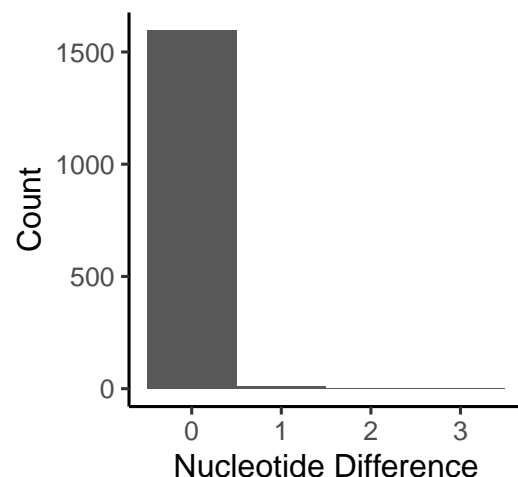
TRBV11-3*ap01

2905 sequences assigned
2891 (99.5%) exact matches, in which:
2873 unique CDR3
13 unique J



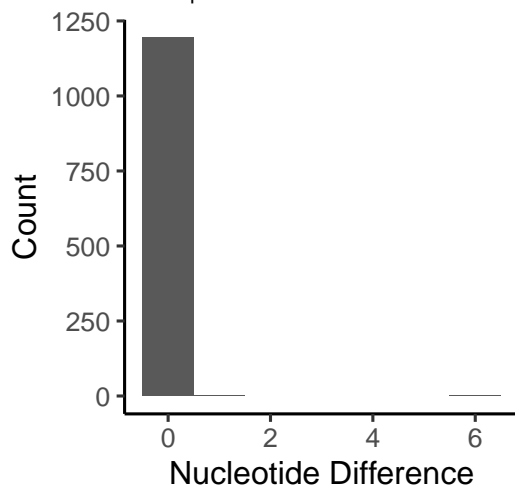
TRBV12-5*ap01

1611 sequences assigned
1596 (99.1%) exact matches, in which:
1570 unique CDR3
13 unique J



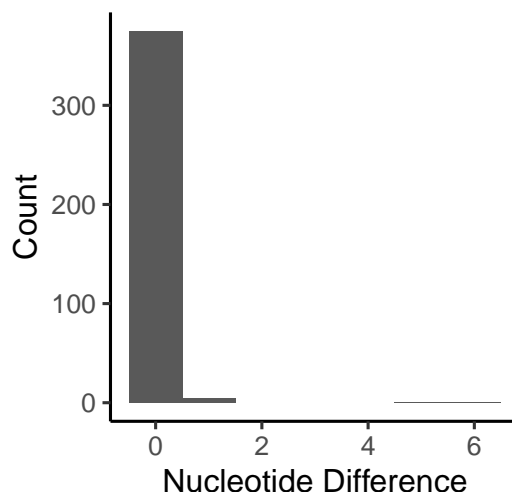
TRBV11-1*ap01

1198 sequences assigned
1194 (99.7%) exact matches, in which:
1185 unique CDR3
13 unique J



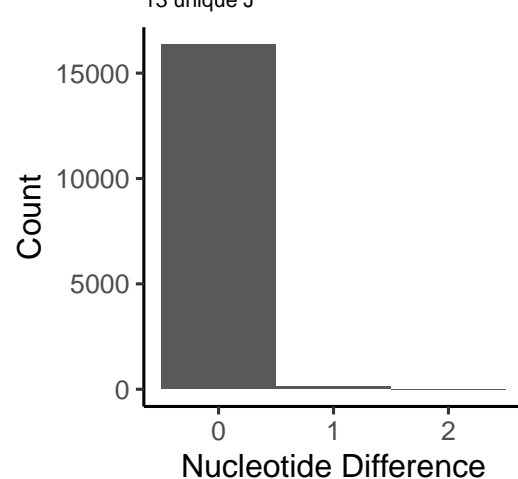
TRBV12-1*ap01

382 sequences assigned
375 (98.2%) exact matches, in which:
372 unique CDR3
13 unique J



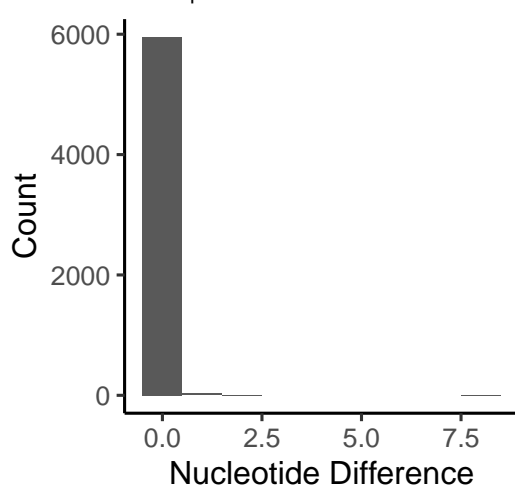
TRBV12-34*ap01

16485 sequences assigned
16360 (99.2%) exact matches, in which:
16104 unique CDR3
13 unique J



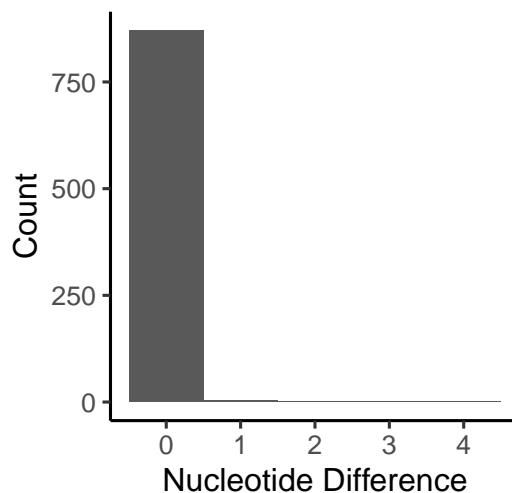
TRBV11-2*ap01

5984 sequences assigned
5953 (99.5%) exact matches, in which:
5914 unique CDR3
13 unique J



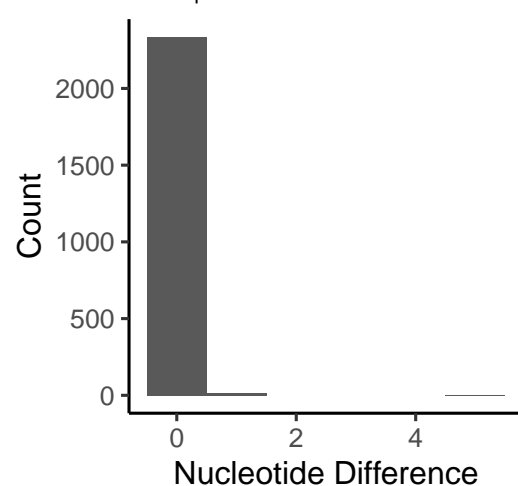
TRBV12-2*ap01

879 sequences assigned
871 (99.1%) exact matches, in which:
860 unique CDR3
13 unique J



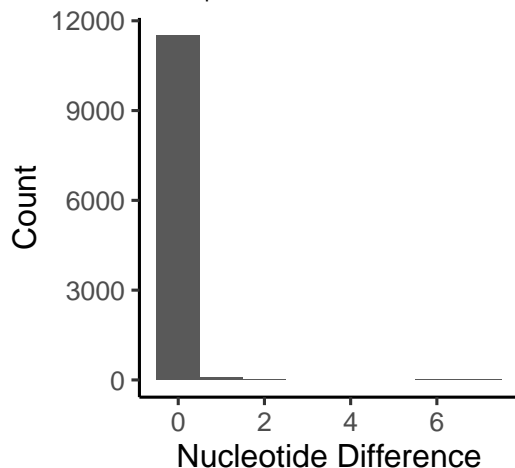
TRBV23-1*ap01

2353 sequences assigned
2335 (99.2%) exact matches, in which:
2298 unique CDR3
13 unique J



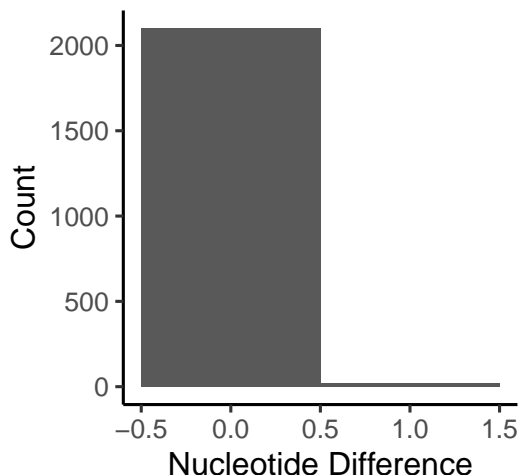
TRBV3–12*ap01

11601 sequences assigned
11520 (99.3%) exact matches, in which:
11411 unique CDR3
13 unique J



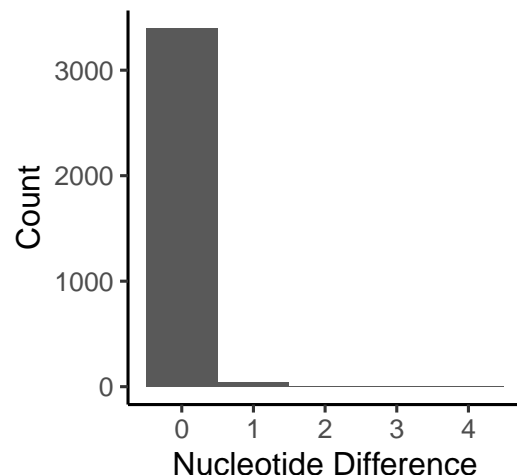
TRBV4–2*ap01

2122 sequences assigned
2100 (99%) exact matches, in which:
2055 unique CDR3
13 unique J



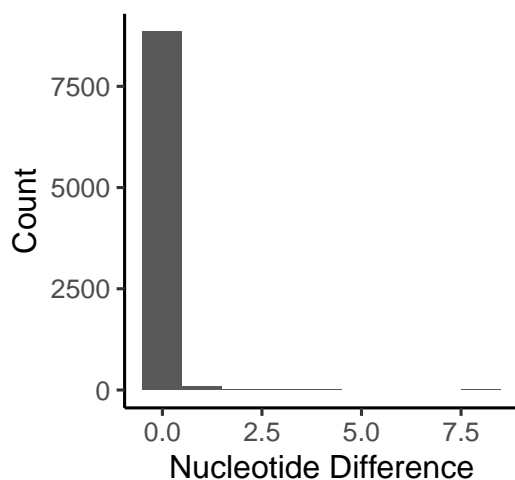
TRBV25–1*ap01

3440 sequences assigned
3396 (98.7%) exact matches, in which:
3326 unique CDR3
13 unique J



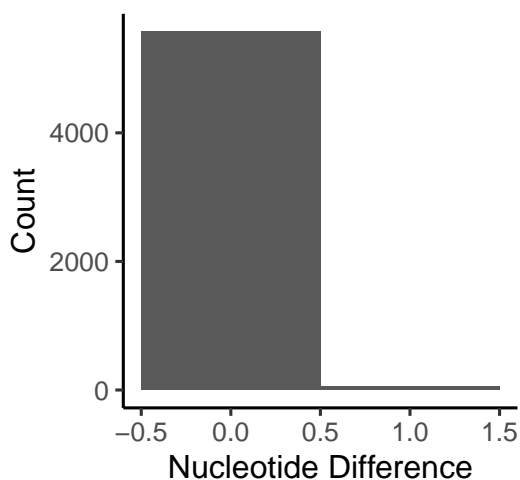
TRBV24–1*ap01

8942 sequences assigned
8849 (99%) exact matches, in which:
8677 unique CDR3
13 unique J



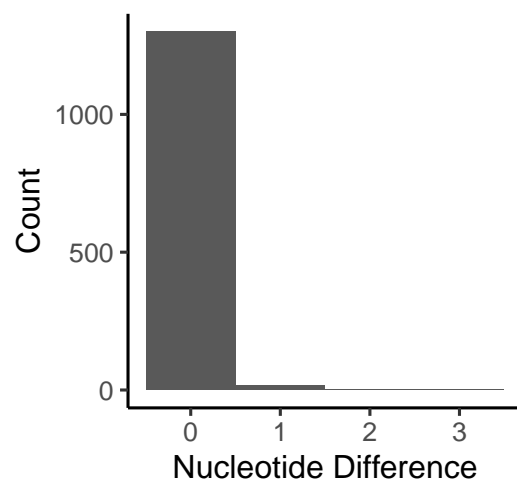
TRBV4–3*ap01

5624 sequences assigned
5573 (99.1%) exact matches, in which:
5468 unique CDR3
13 unique J



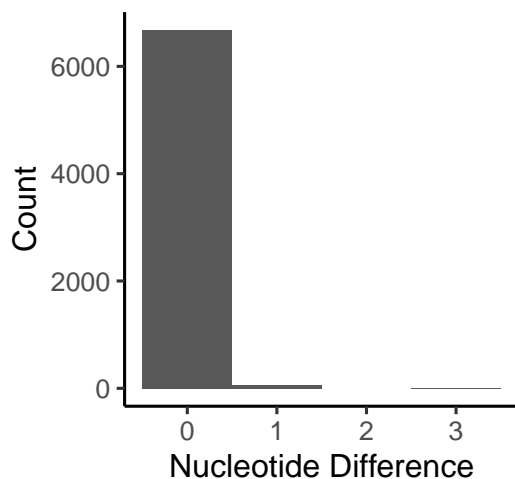
TRBV5–3*ap01

1318 sequences assigned
1300 (98.6%) exact matches, in which:
1281 unique CDR3
13 unique J



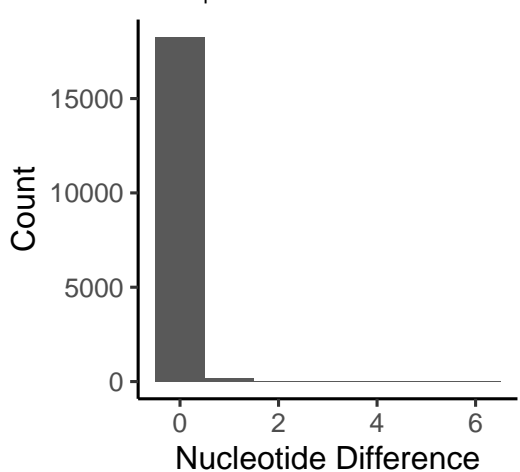
TRBV4–1*ap01

6744 sequences assigned
6677 (99%) exact matches, in which:
6552 unique CDR3
13 unique J



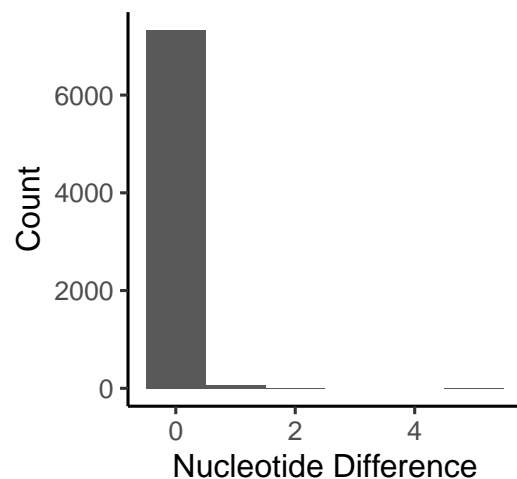
TRBV5–1*ap01

18454 sequences assigned
18274 (99%) exact matches, in which:
17883 unique CDR3
13 unique J



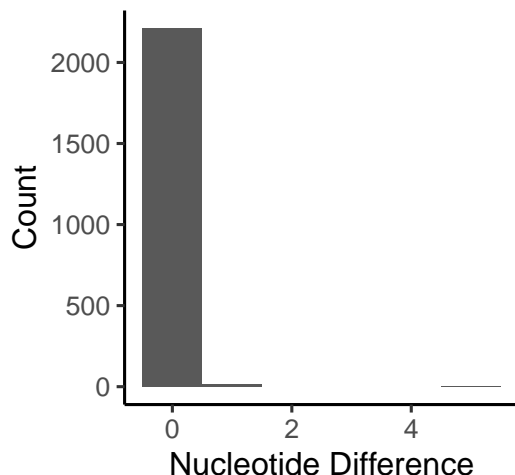
TRBV5–4*ap01

7402 sequences assigned
7331 (99%) exact matches, in which:
7174 unique CDR3
13 unique J



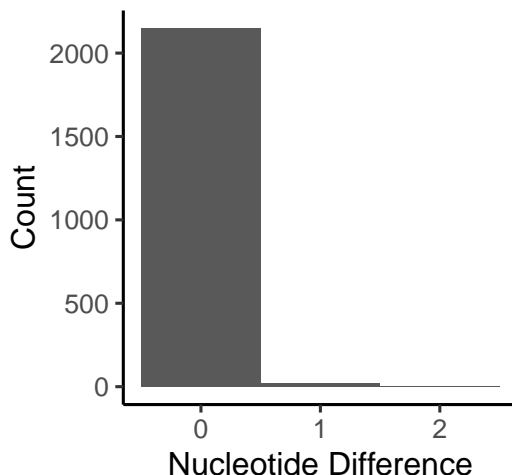
TRBV5-5*ap01

2225 sequences assigned
2210 (99.3%) exact matches, in which:
2192 unique CDR3
13 unique J



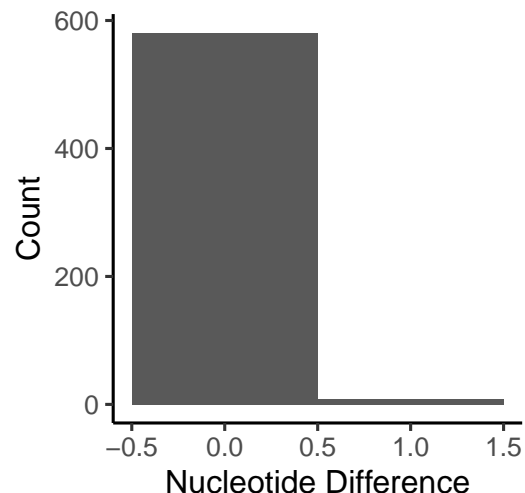
TRBV5-8*ap01

2176 sequences assigned
2148 (98.7%) exact matches, in which:
2117 unique CDR3
13 unique J



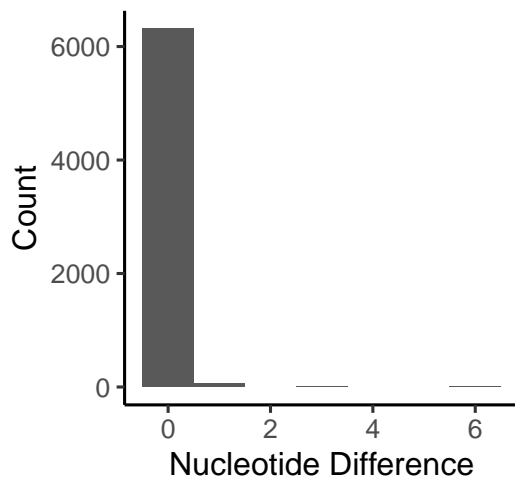
TRBV6-7*ap01

589 sequences assigned
581 (98.6%) exact matches, in which:
569 unique CDR3
13 unique J



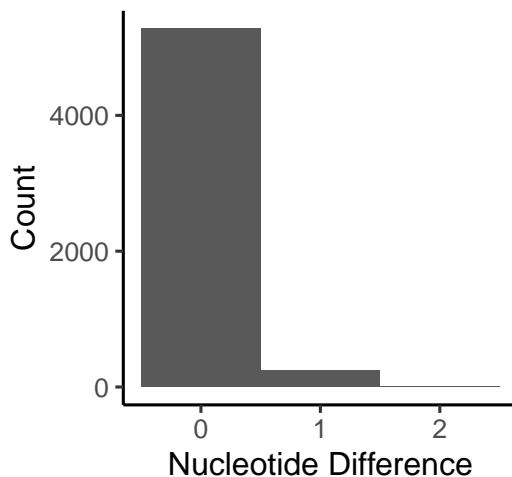
TRBV5-6*ap01

6370 sequences assigned
6314 (99.1%) exact matches, in which:
6145 unique CDR3
13 unique J



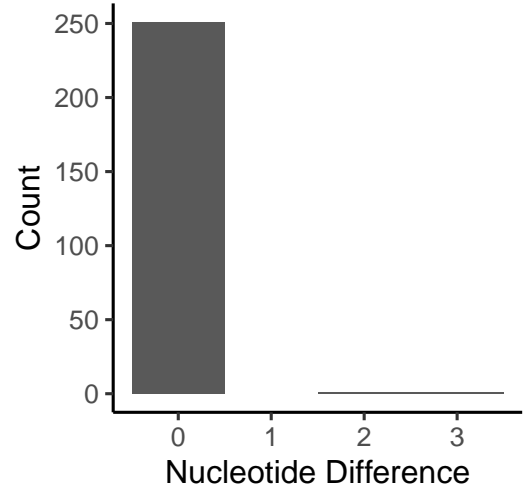
TRBV6-1*ap01

5515 sequences assigned
5276 (95.7%) exact matches, in which:
5178 unique CDR3
14 unique J



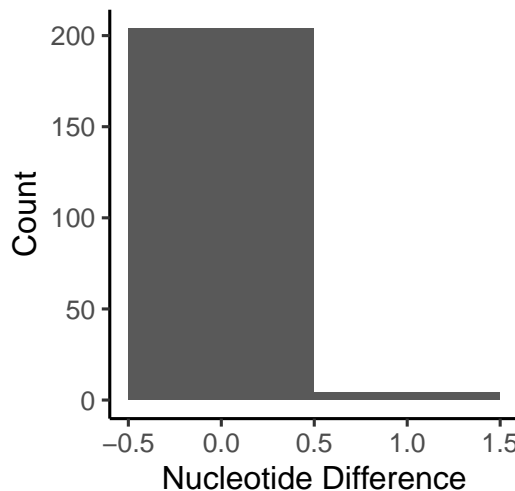
TRBV6-8*ap01

253 sequences assigned
251 (99.2%) exact matches, in which:
246 unique CDR3
13 unique J



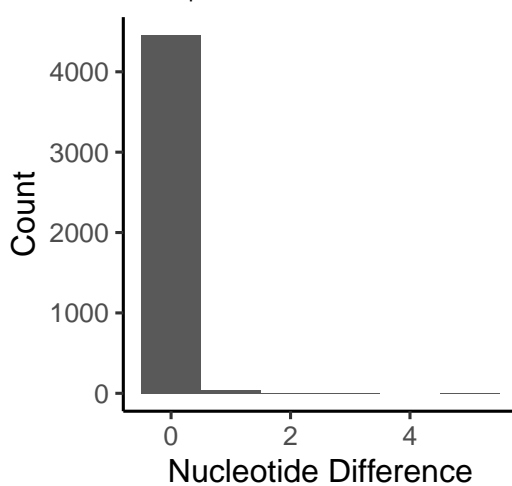
TRBV5-7*ap01

208 sequences assigned
204 (98.1%) exact matches, in which:
198 unique CDR3
13 unique J



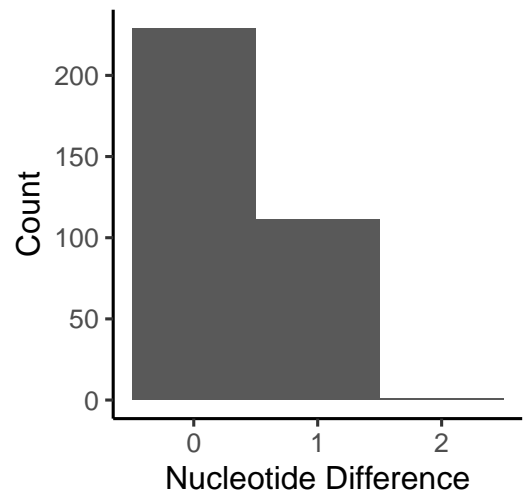
TRBV6-4*ap01

4505 sequences assigned
4457 (98.9%) exact matches, in which:
4395 unique CDR3
13 unique J



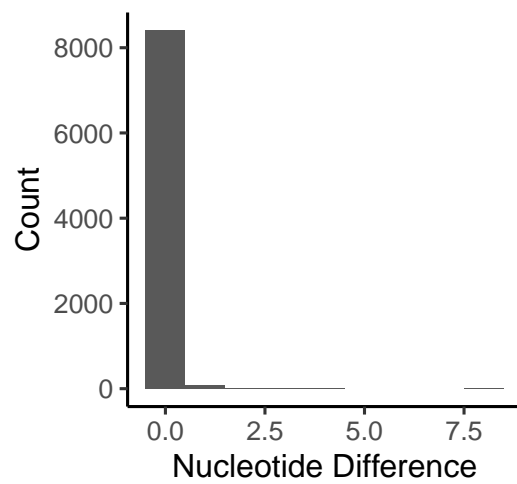
TRBV6-9*ap01

341 sequences assigned
229 (67.2%) exact matches, in which:
220 unique CDR3
13 unique J



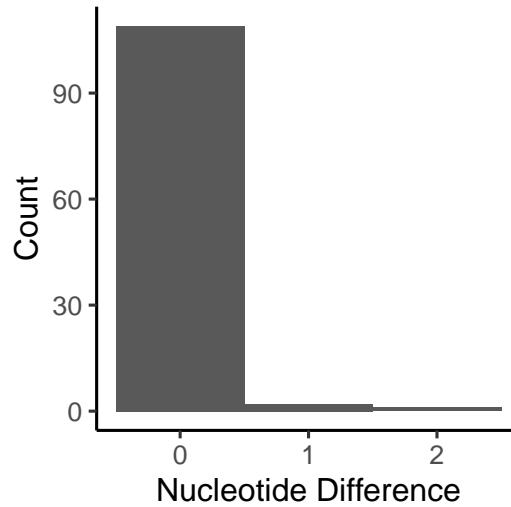
TRBV6-23*ap01

8499 sequences assigned
8406 (98.9%) exact matches, in which:
8193 unique CDR3
13 unique J



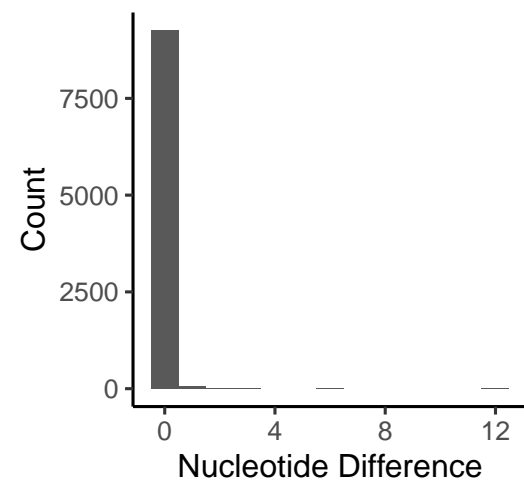
TRBV7-1*ap01_G291C_T

112 sequences assigned
109 (97.3%) exact matches, in which:
109 unique CDR3
12 unique J



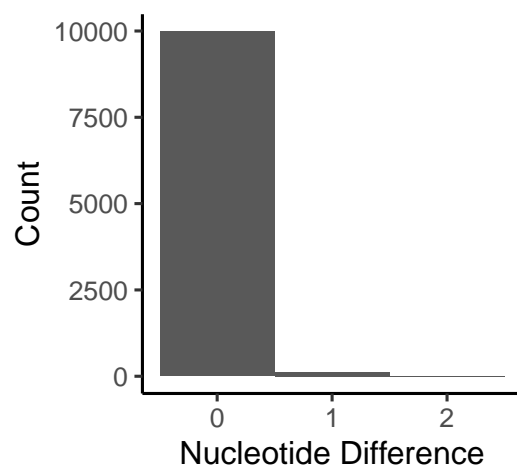
TRBV7-3*ap01

9340 sequences assigned
9256 (99.1%) exact matches, in which:
9159 unique CDR3
13 unique J



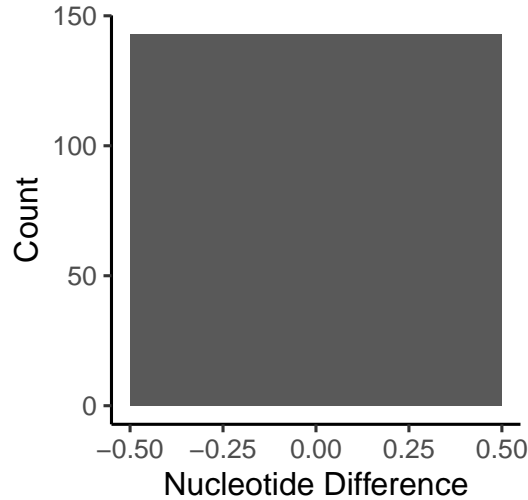
TRBV6-56*ap01

10104 sequences assigned
9986 (98.8%) exact matches, in which:
9752 unique CDR3
13 unique J



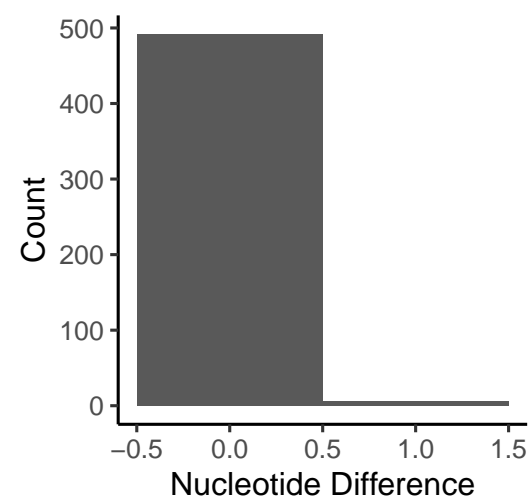
TRBV7-1*ap01_G291C_

143 sequences assigned
143 (100%) exact matches, in which:
139 unique CDR3
13 unique J



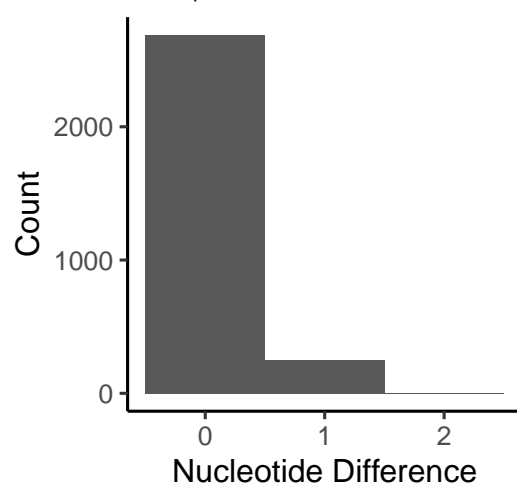
TRBV7-4*ap01

498 sequences assigned
492 (98.8%) exact matches, in which:
486 unique CDR3
13 unique J



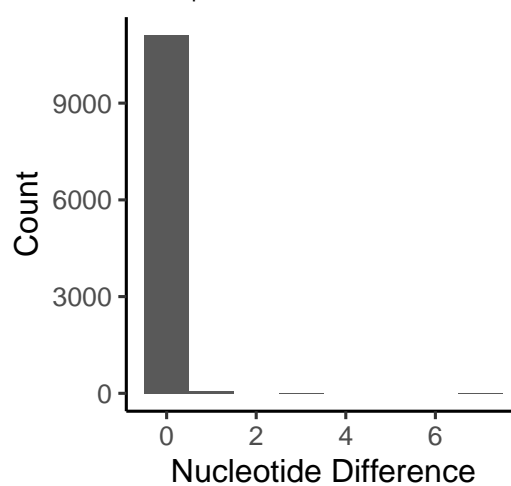
TRBV6-56*ap02

2941 sequences assigned
2688 (91.4%) exact matches, in which:
2623 unique CDR3
13 unique J



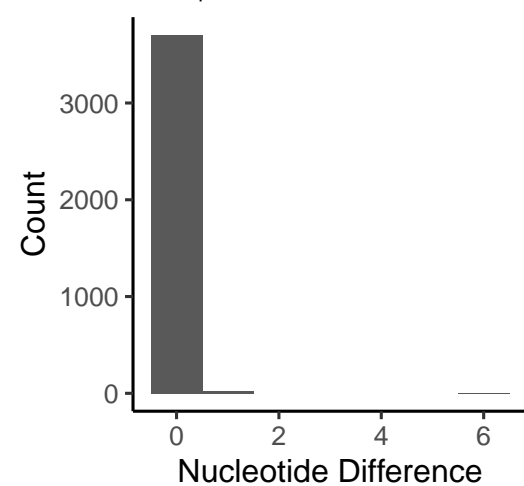
TRBV7-2*ap01

11190 sequences assigned
11112 (99.3%) exact matches, in which:
10949 unique CDR3
13 unique J



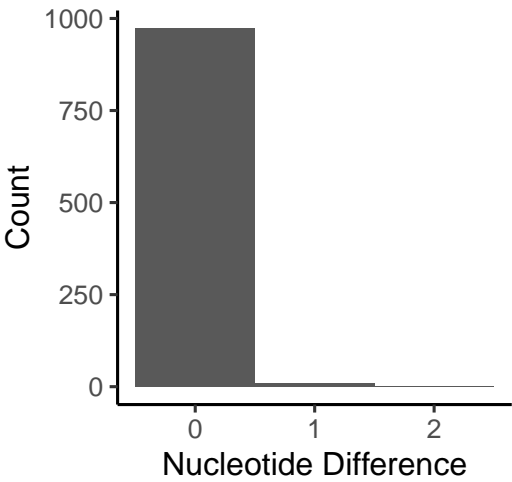
TRBV7-6*ap01

3725 sequences assigned
3702 (99.4%) exact matches, in which:
3638 unique CDR3
13 unique J



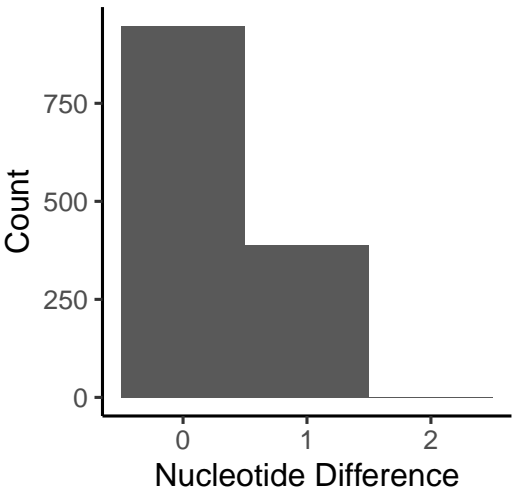
TRBV7-7*ap01

983 sequences assigned
973 (99%) exact matches, in which:
953 unique CDR3
13 unique J



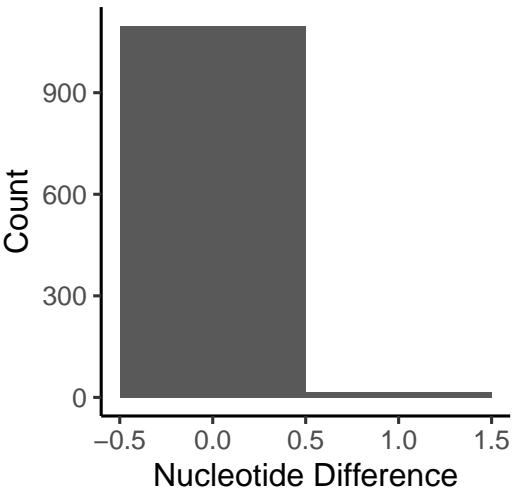
TRBV7-8*ap03

1338 sequences assigned
948 (70.9%) exact matches, in which:
936 unique CDR3
13 unique J



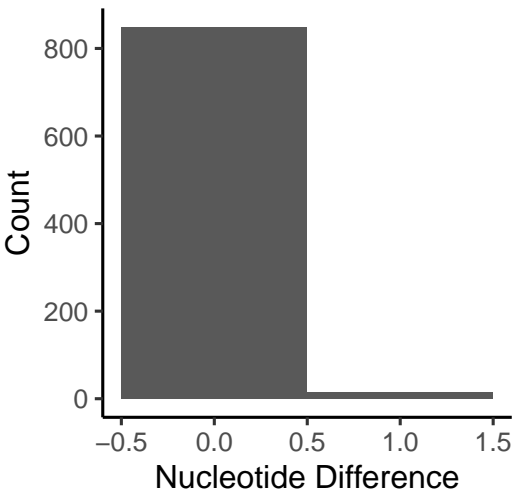
TRBV29-1*ap02

1115 sequences assigned
1098 (98.5%) exact matches, in which:
1062 unique CDR3
13 unique J



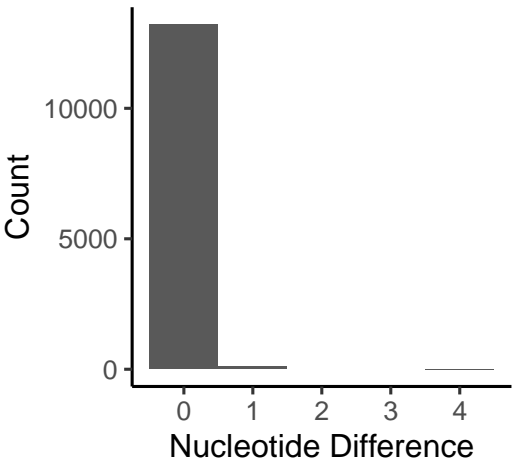
TRBV7-7*ap01_C315T

863 sequences assigned
849 (98.4%) exact matches, in which:
831 unique CDR3
13 unique J



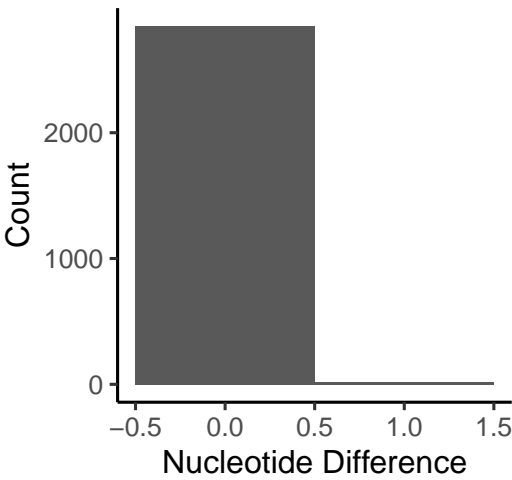
TRBV7-9*ap01

13312 sequences assigned
13214 (99.3%) exact matches, in which:
13031 unique CDR3
13 unique J



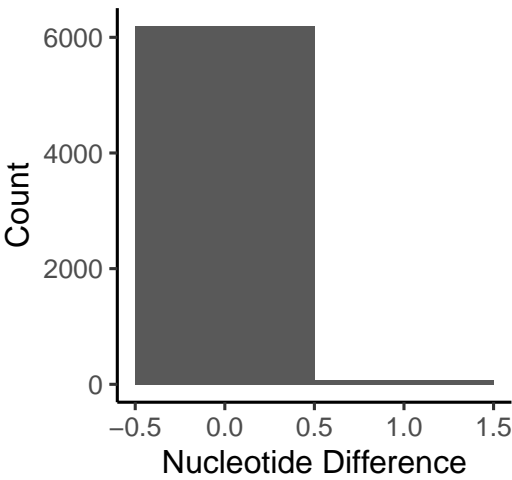
TRBV7-8*ap01

2868 sequences assigned
2848 (99.3%) exact matches, in which:
2809 unique CDR3
13 unique J

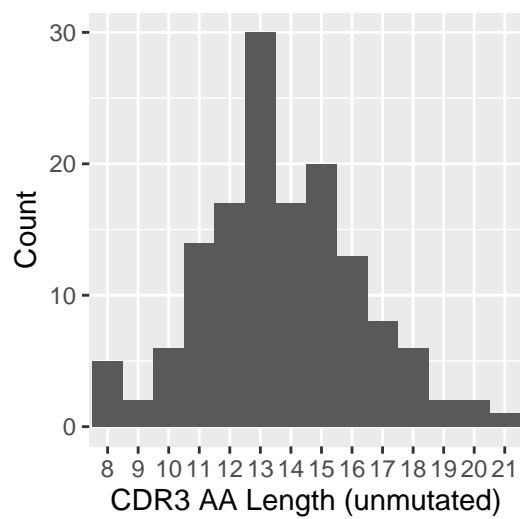


TRBV29-1*ap01

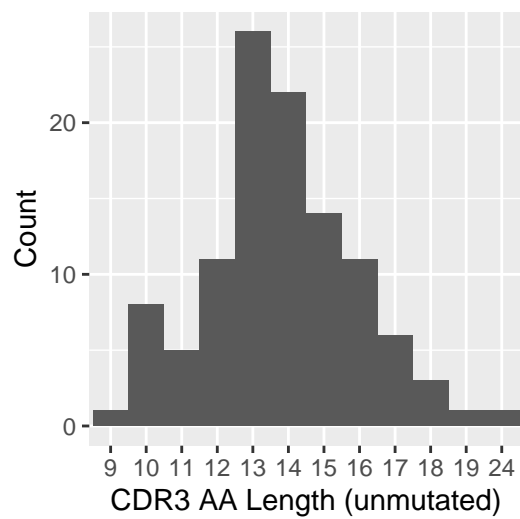
6265 sequences assigned
6195 (98.9%) exact matches, in which:
6009 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

