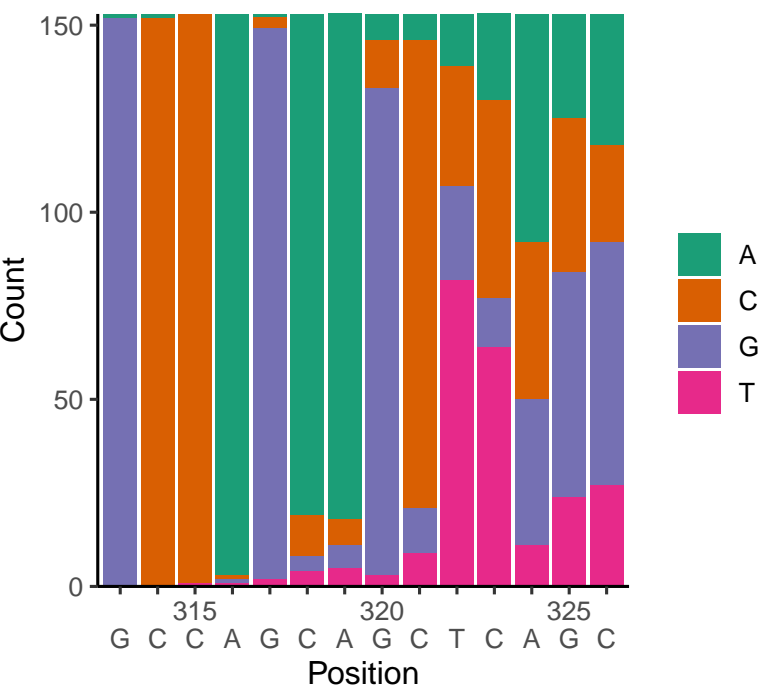
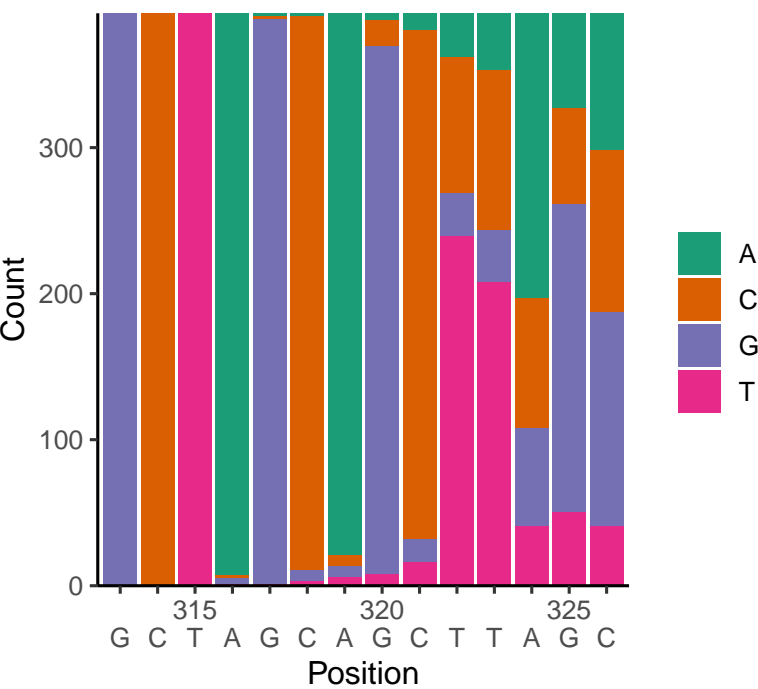


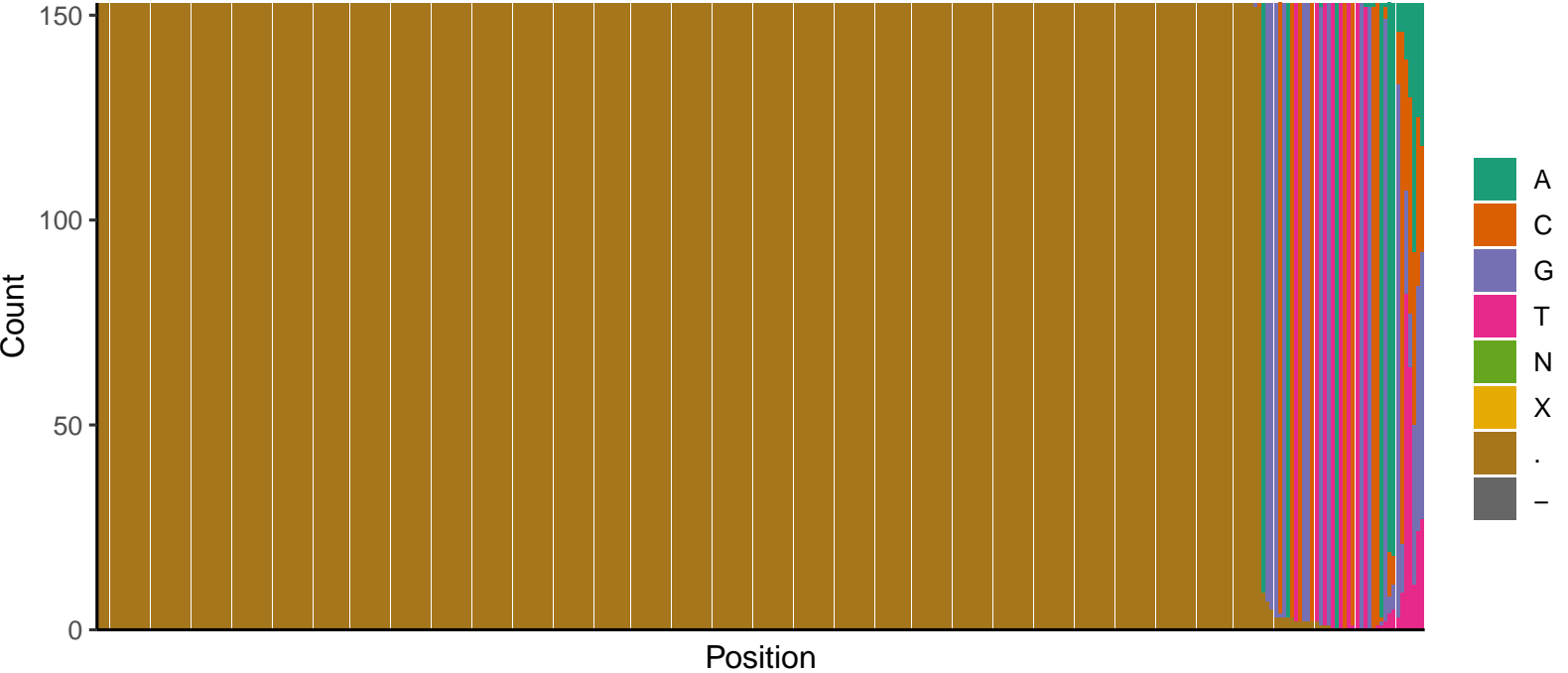
Gene TRBV7-1*ap01_G291C_T296C



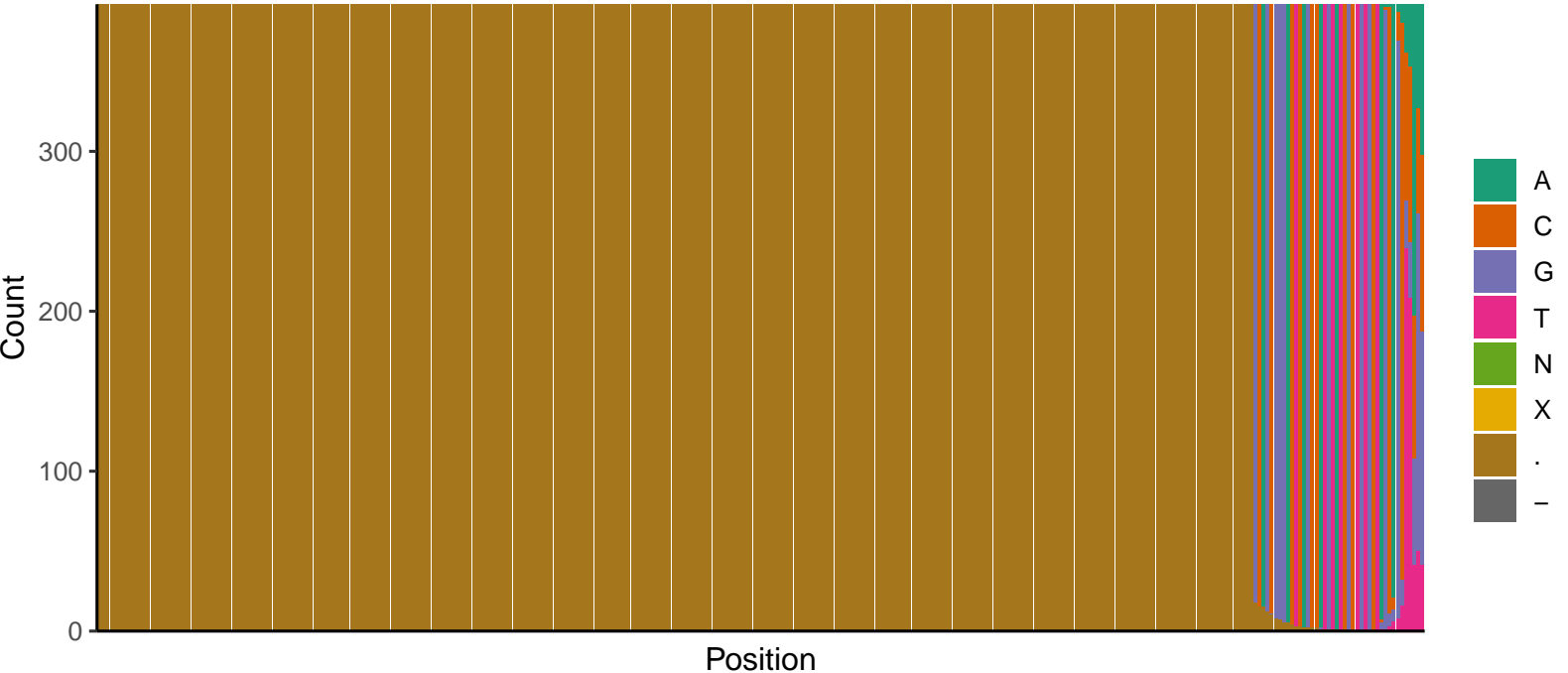
Gene TRBV7-7*ap01_C315T



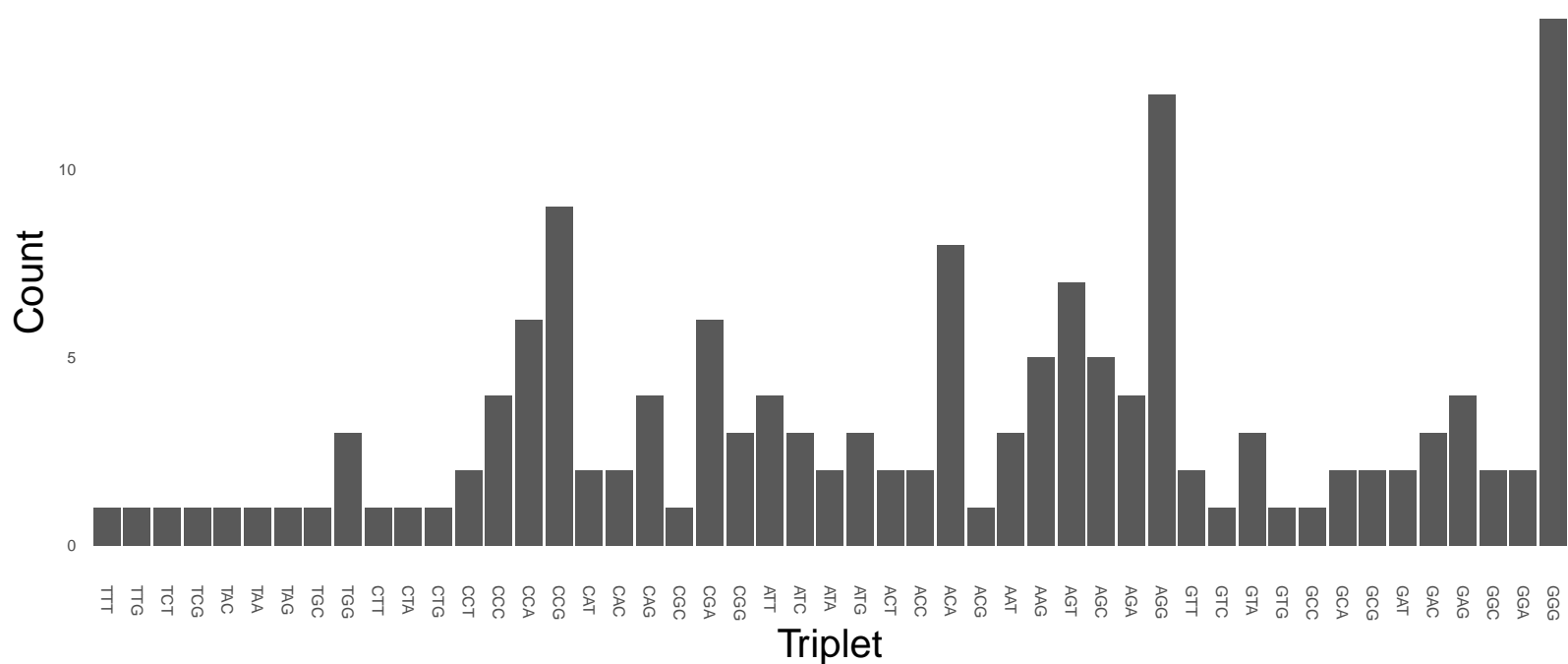
Gene TRBV7-1*ap01_G291C_T296C



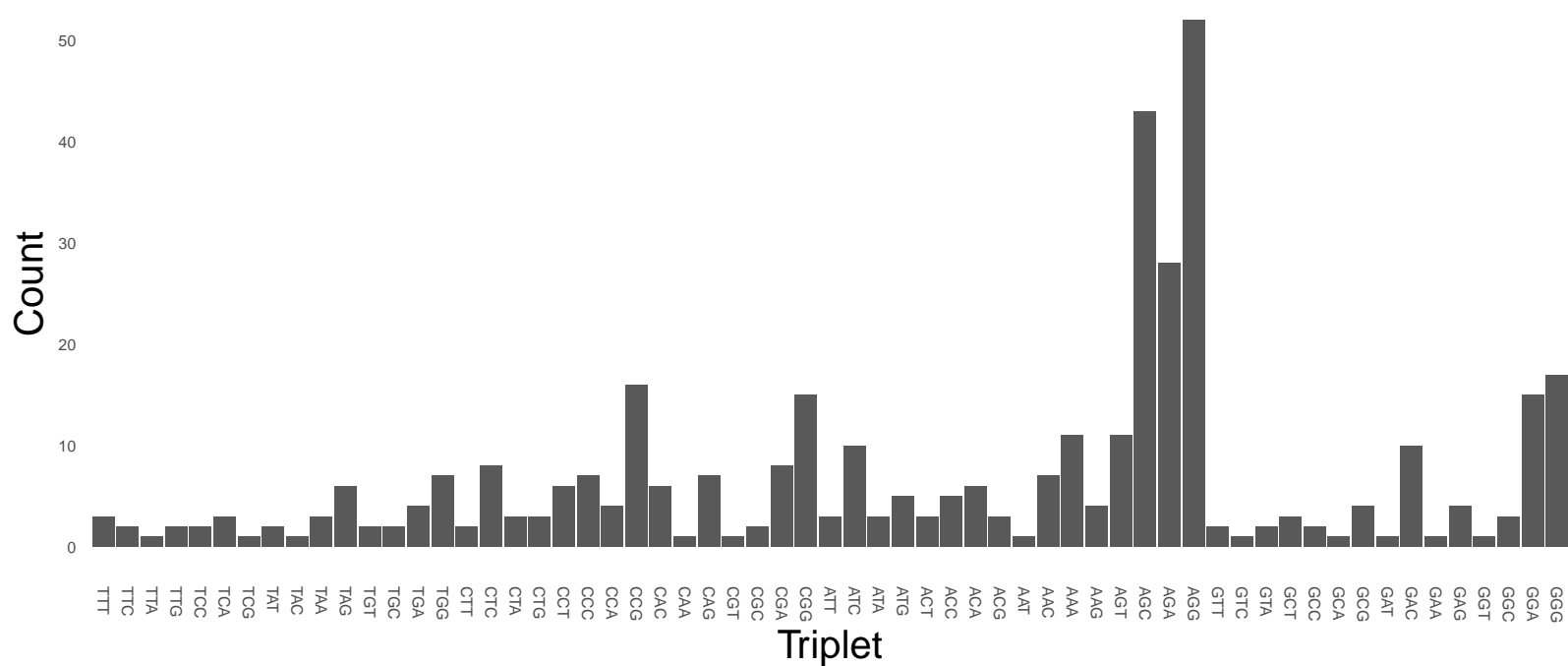
Gene TRBV7-7*ap01_C315T



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

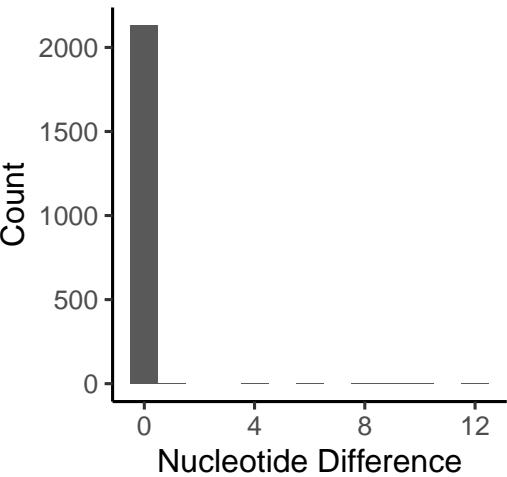


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



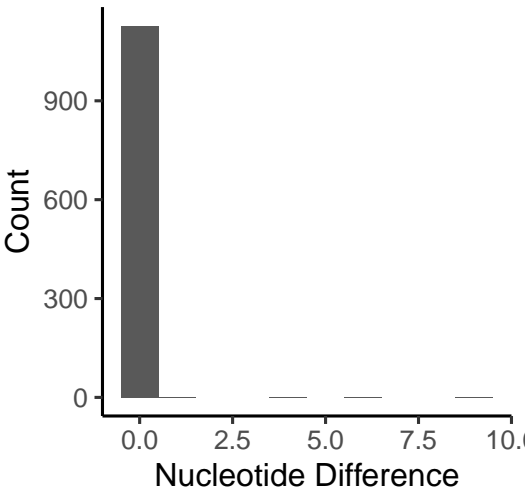
TRBV10-1*ap01

2139 sequences assigned
2131 (99.6%) exact matches, in which:
2128 unique CDR3
13 unique J



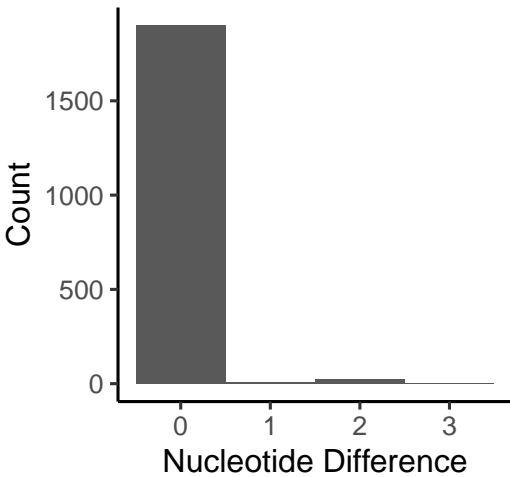
TRBV10-2*ap01

1132 sequences assigned
1128 (99.6%) exact matches, in which:
1127 unique CDR3
13 unique J



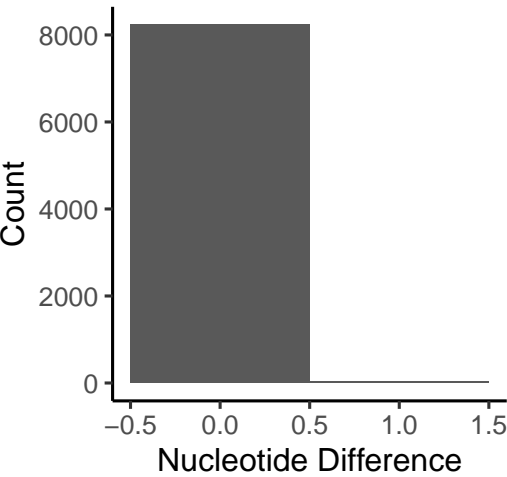
TRBV13*ap01

1932 sequences assigned
1900 (98.3%) exact matches, in which:
1890 unique CDR3
13 unique J



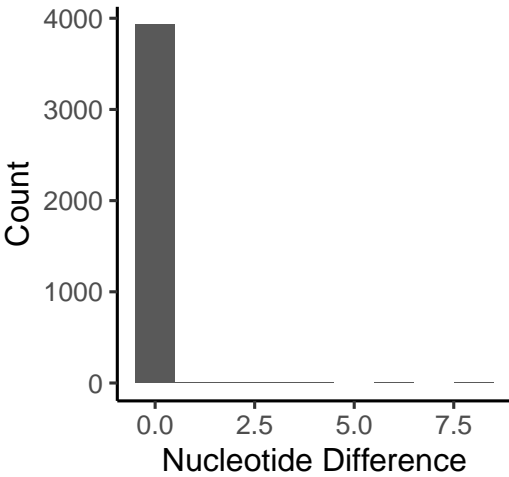
TRBV20-1*ap01

8263 sequences assigned
8235 (99.7%) exact matches, in which:
8218 unique CDR3
13 unique J



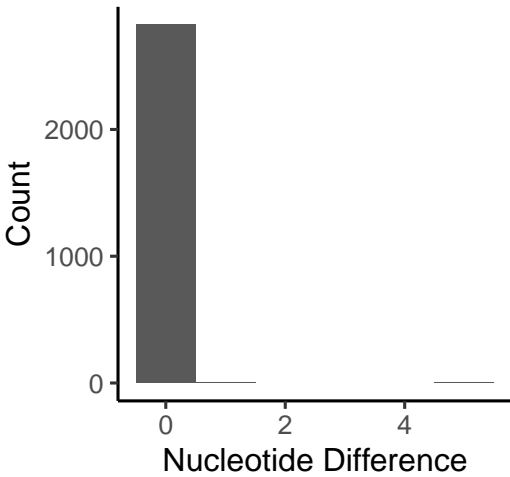
TRBV10-3*ap01

3940 sequences assigned
3929 (99.7%) exact matches, in which:
3922 unique CDR3
13 unique J



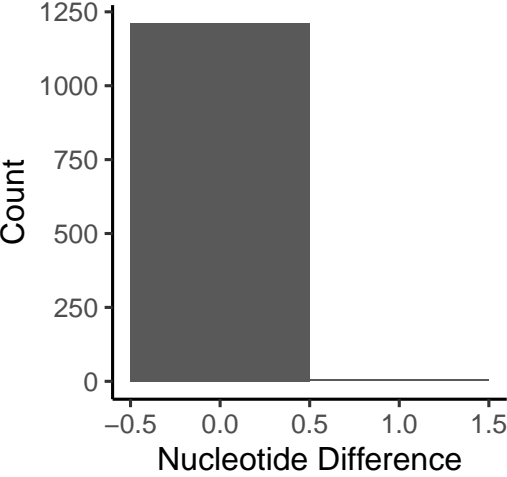
TRBV14*ap01

2832 sequences assigned
2826 (99.8%) exact matches, in which:
2825 unique CDR3
13 unique J



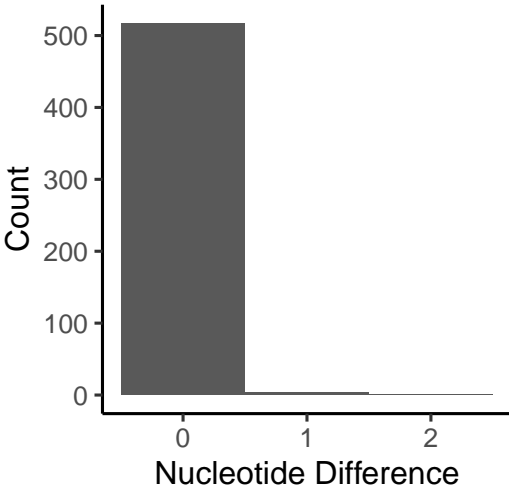
TRBV20-1*ap02

1218 sequences assigned
1212 (99.5%) exact matches, in which:
1211 unique CDR3
13 unique J



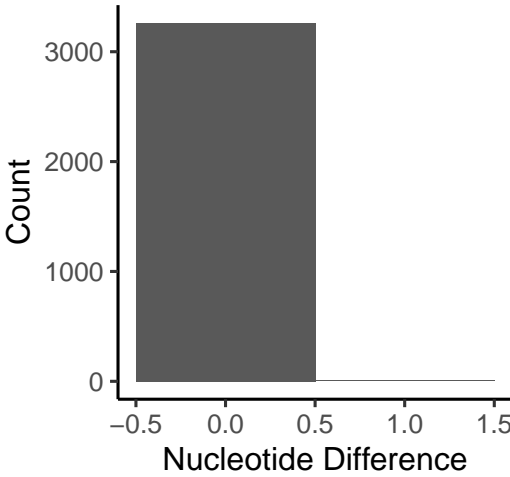
TRBV1*ap01

522 sequences assigned
517 (99%) exact matches, in which:
517 unique CDR3
13 unique J



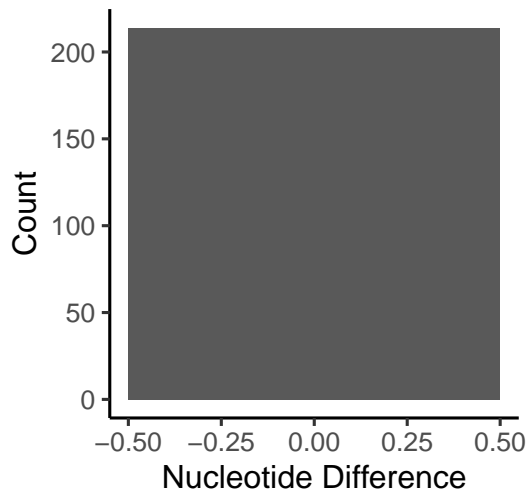
TRBV15*ap02

3267 sequences assigned
3261 (99.8%) exact matches, in which:
3250 unique CDR3
14 unique J



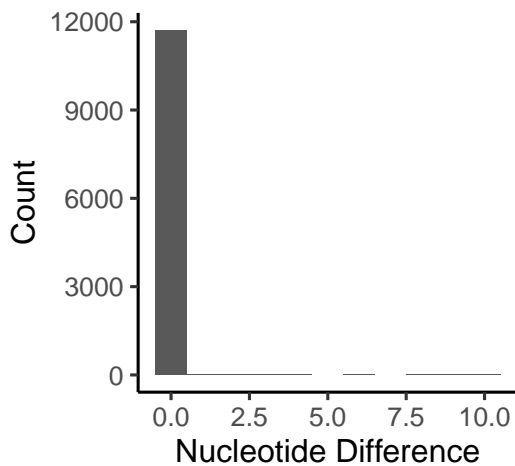
TRBV16*ap01

214 sequences assigned
214 (100%) exact matches, in which:
214 unique CDR3
13 unique J



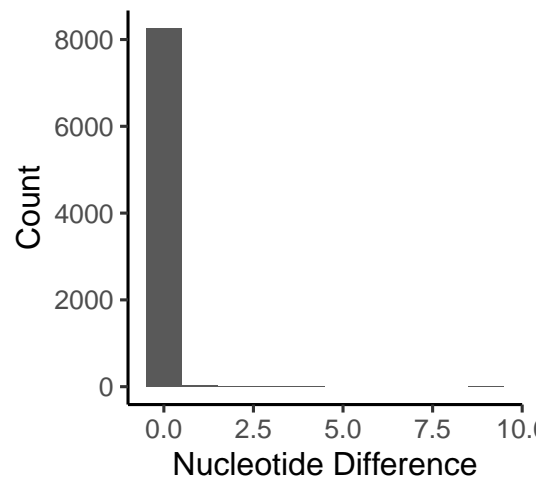
TRBV19*ap01

11749 sequences assigned
11714 (99.7%) exact matches, in which:
11711 unique CDR3
13 unique J



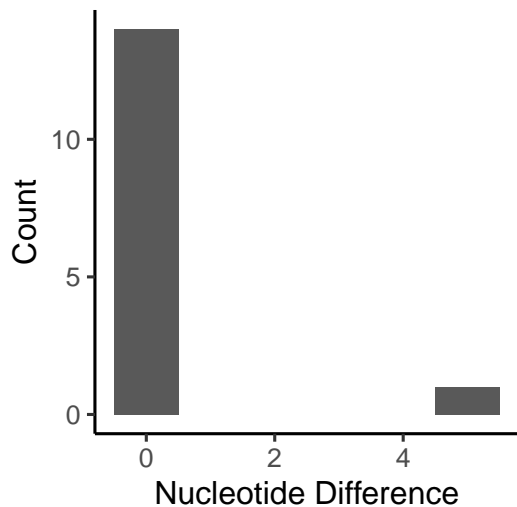
TRBV27*ap01

8308 sequences assigned
8256 (99.4%) exact matches, in which:
8235 unique CDR3
13 unique J



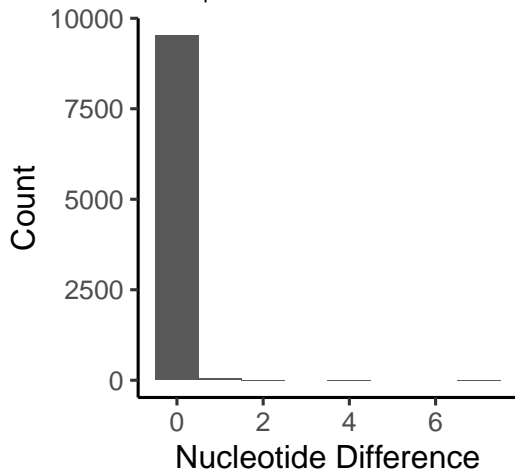
TRBV17*ap01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
8 unique J



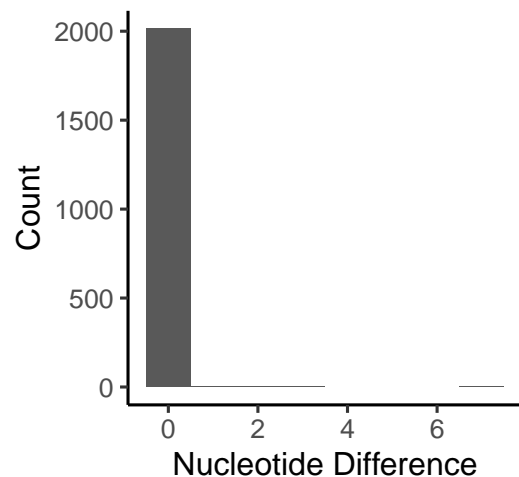
TRBV2*ap01

9574 sequences assigned
9525 (99.5%) exact matches, in which:
9494 unique CDR3
13 unique J



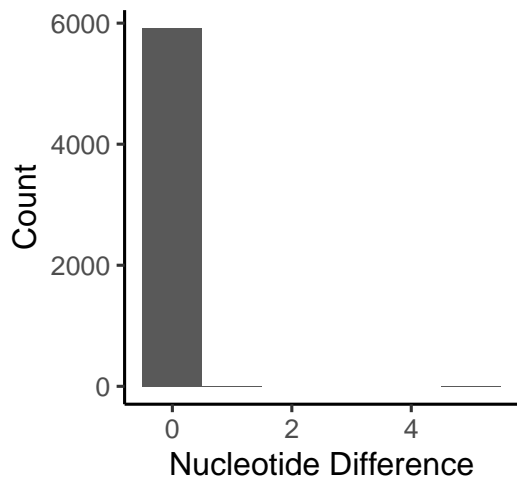
TRBV28*ap01

2020 sequences assigned
2014 (99.7%) exact matches, in which:
2013 unique CDR3
13 unique J



TRBV18*ap01

5923 sequences assigned
5919 (99.9%) exact matches, in which:
5915 unique CDR3
13 unique J



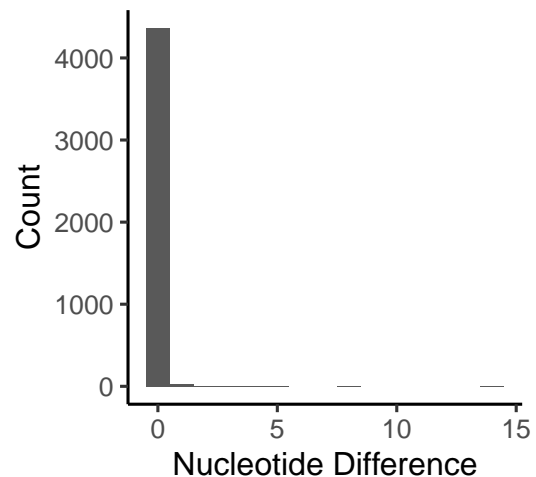
TRBV26*ap01

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



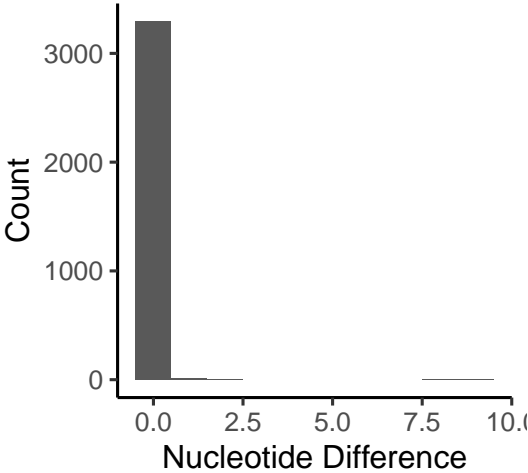
TRBV30*ap01

4401 sequences assigned
4364 (99.2%) exact matches, in which:
4356 unique CDR3
13 unique J



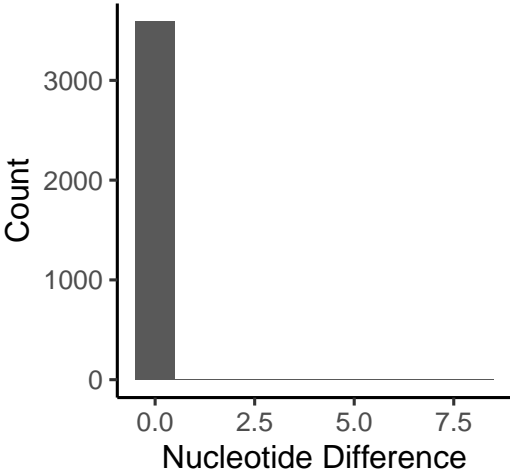
TRBV30*ap02

3312 sequences assigned
3294 (99.5%) exact matches, in which:
3286 unique CDR3
13 unique J



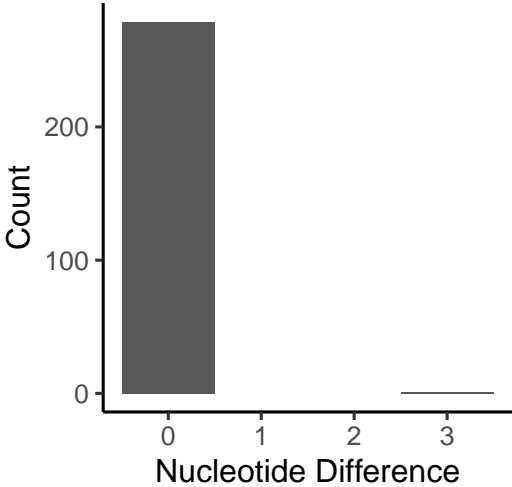
TRBV21-1*ap01

3624 sequences assigned
3591 (99.1%) exact matches, in which:
3591 unique CDR3
13 unique J



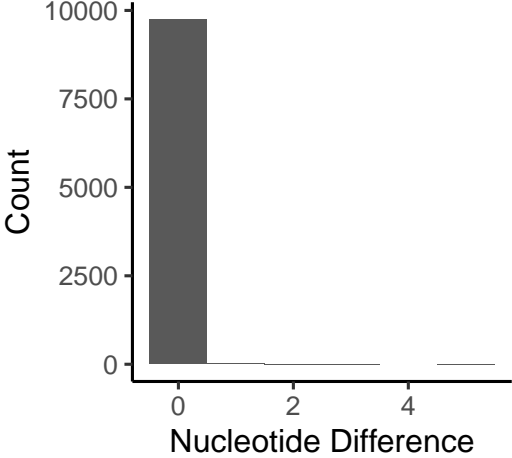
TRBV12-1*ap01

280 sequences assigned
279 (99.6%) exact matches, in which:
279 unique CDR3
13 unique J



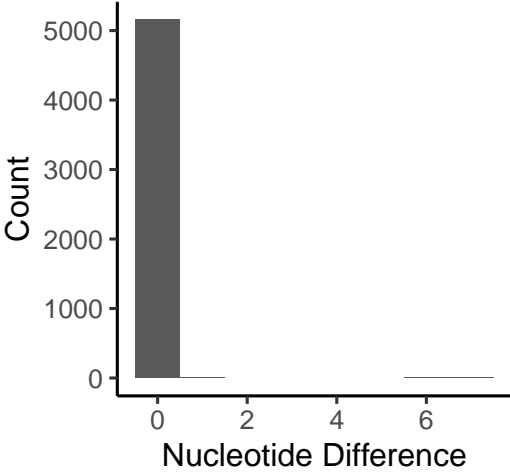
TRBV9*ap01

9769 sequences assigned
9745 (99.8%) exact matches, in which:
9728 unique CDR3
13 unique J



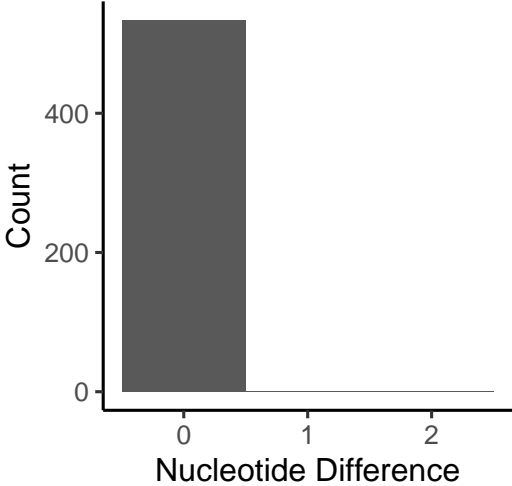
TRBV11-2*ap01

5163 sequences assigned
5156 (99.9%) exact matches, in which:
5154 unique CDR3
13 unique J



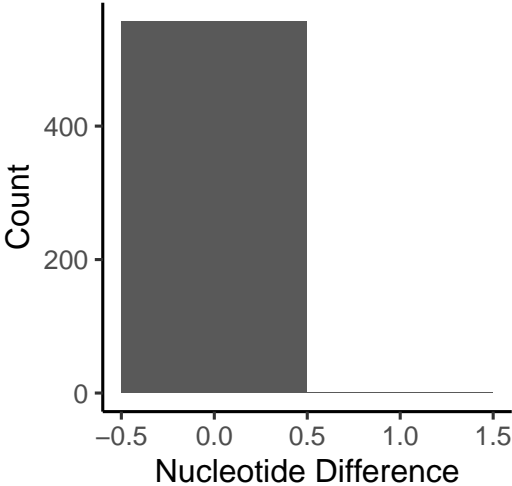
TRBV12-2*ap01

536 sequences assigned
534 (99.6%) exact matches, in which:
534 unique CDR3
13 unique J



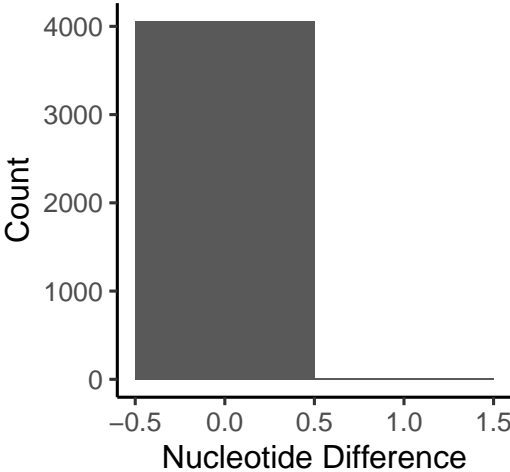
TRBV11-1*ap01

558 sequences assigned
557 (99.8%) exact matches, in which:
557 unique CDR3
13 unique J



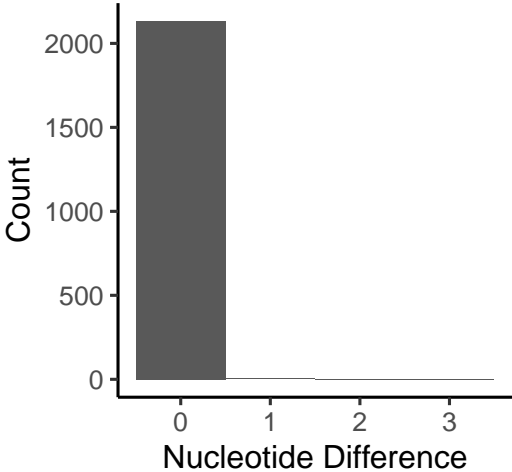
TRBV11-3*ap01

4073 sequences assigned
4060 (99.7%) exact matches, in which:
4059 unique CDR3
13 unique J



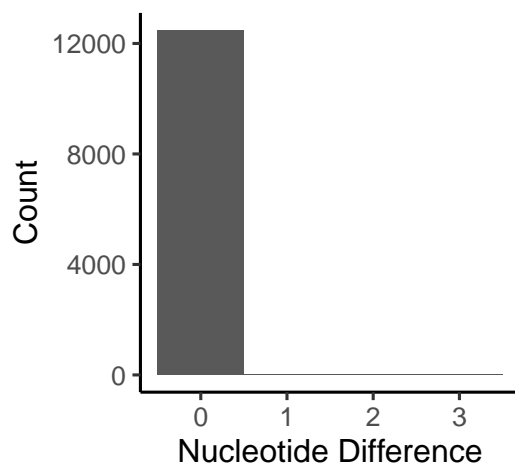
TRBV12-5*ap01

2141 sequences assigned
2133 (99.6%) exact matches, in which:
2132 unique CDR3
13 unique J



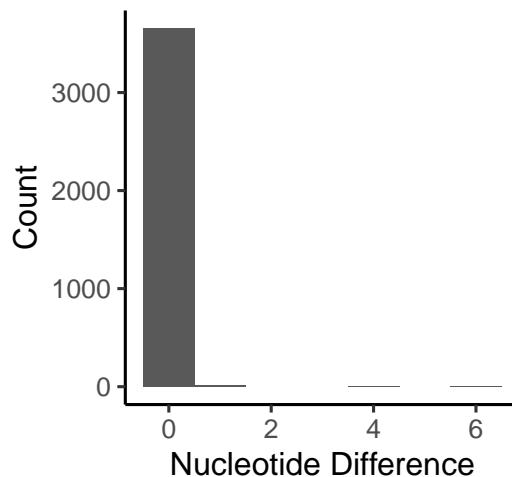
TRBV12–34*ap01

12520 sequences assigned
12482 (99.7%) exact matches, in which:
12469 unique CDR3
13 unique J



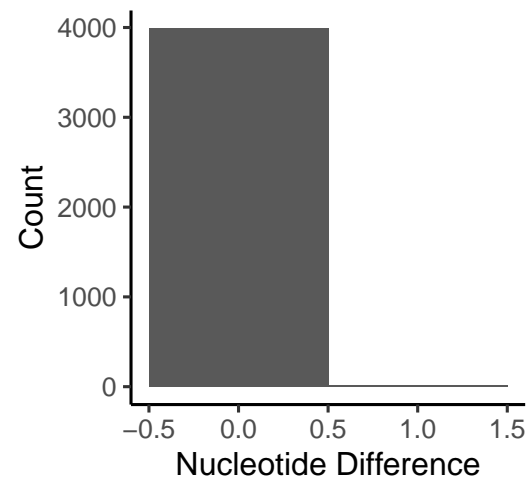
TRBV24–1*ap01

3669 sequences assigned
3654 (99.6%) exact matches, in which:
3648 unique CDR3
13 unique J



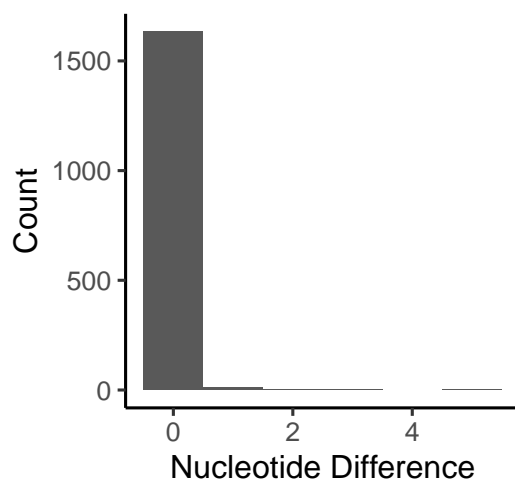
TRBV4–3*ap01

4004 sequences assigned
3990 (99.7%) exact matches, in which:
3980 unique CDR3
13 unique J



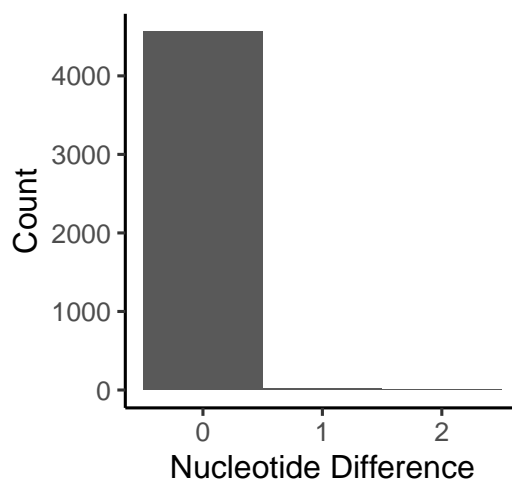
TRBV23–1*ap01

1646 sequences assigned
1633 (99.2%) exact matches, in which:
1633 unique CDR3
13 unique J



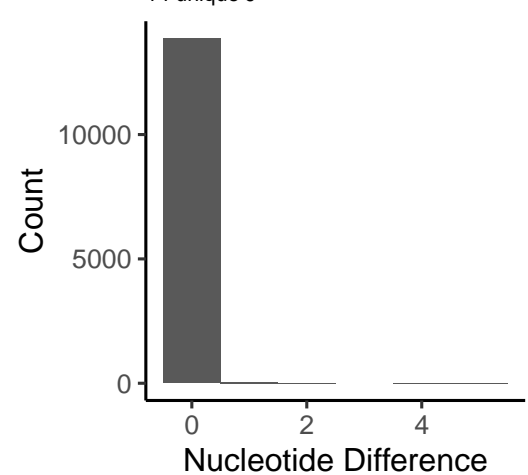
TRBV4–1*ap01

4576 sequences assigned
4562 (99.7%) exact matches, in which:
4556 unique CDR3
13 unique J



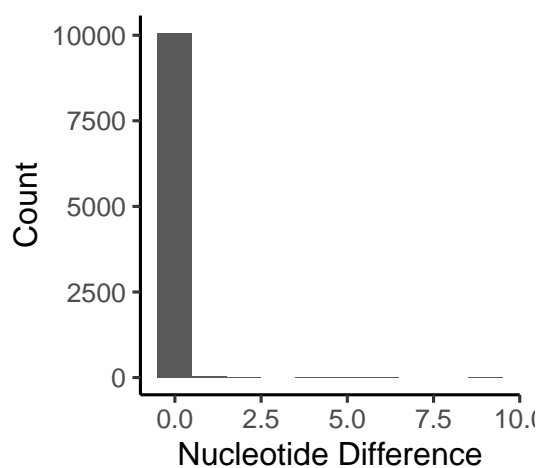
TRBV5–1*ap01

13916 sequences assigned
13864 (99.6%) exact matches, in which:
13783 unique CDR3
14 unique J



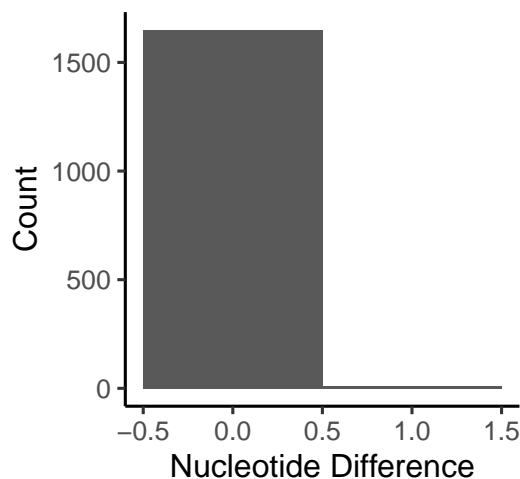
TRBV3–12*ap01

10117 sequences assigned
10071 (99.5%) exact matches, in which:
10051 unique CDR3
13 unique J



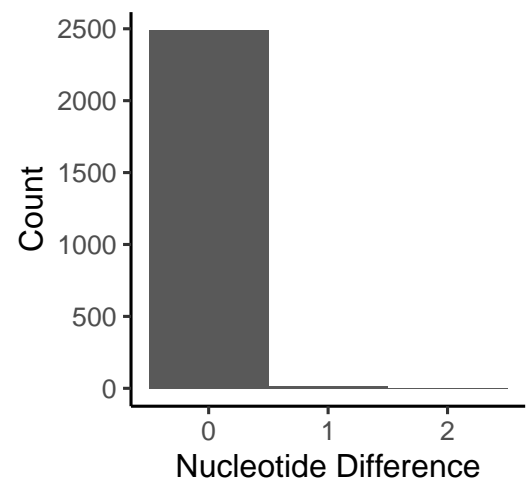
TRBV4–2*ap01

1660 sequences assigned
1649 (99.3%) exact matches, in which:
1649 unique CDR3
14 unique J



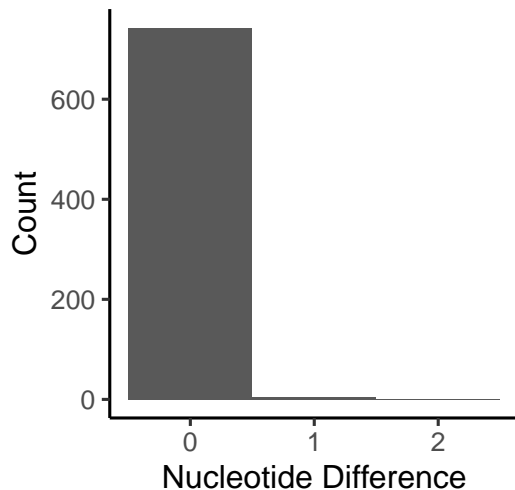
TRBV25–1*ap01

2508 sequences assigned
2491 (99.3%) exact matches, in which:
2483 unique CDR3
13 unique J



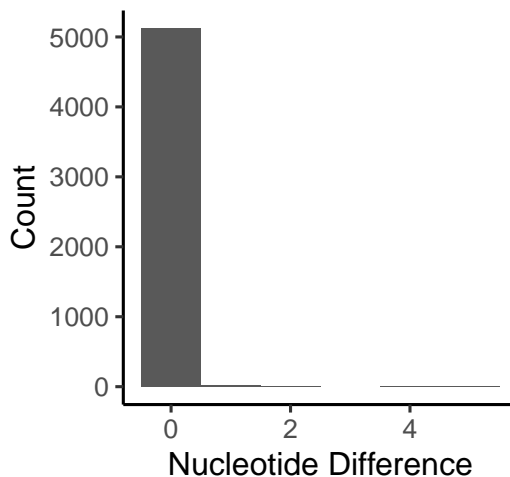
TRBV5-3*ap01

749 sequences assigned
743 (99.2%) exact matches, in which:
741 unique CDR3
13 unique J



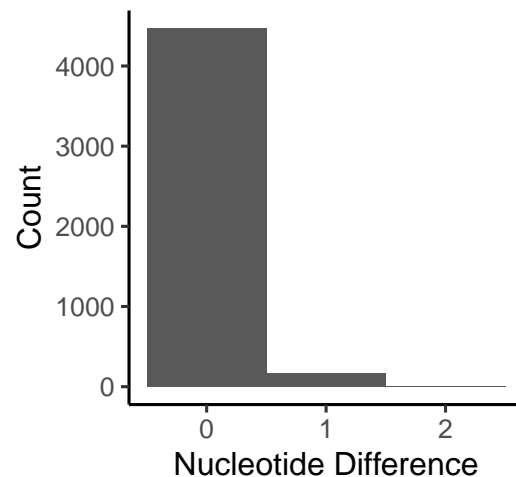
TRBV5-6*ap01

5153 sequences assigned
5122 (99.4%) exact matches, in which:
5096 unique CDR3
13 unique J



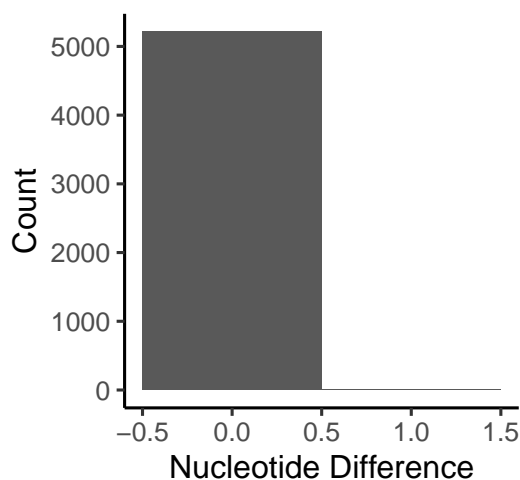
TRBV6-1*ap01

4639 sequences assigned
4469 (96.3%) exact matches, in which:
4460 unique CDR3
13 unique J



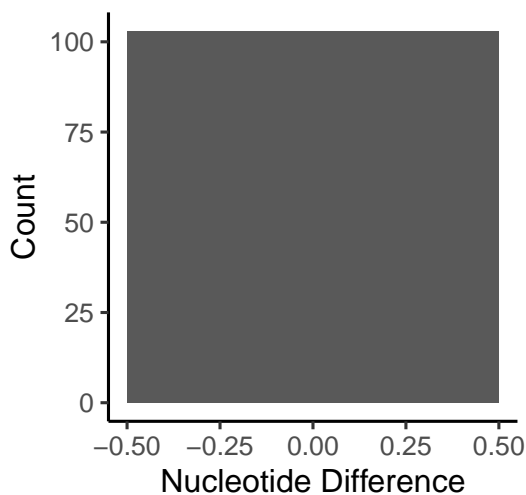
TRBV5-4*ap01

5221 sequences assigned
5214 (99.9%) exact matches, in which:
5210 unique CDR3
13 unique J



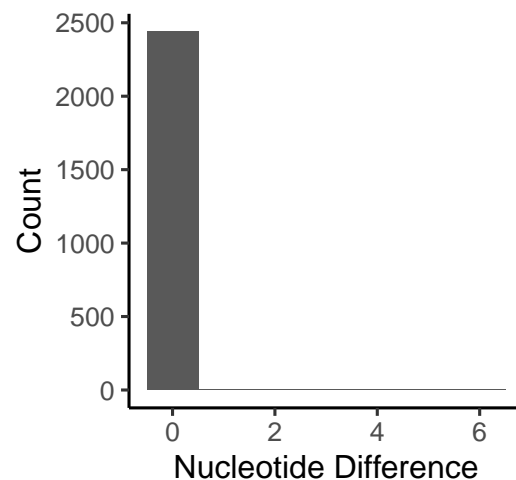
TRBV5-7*ap01

103 sequences assigned
103 (100%) exact matches, in which:
102 unique CDR3
13 unique J



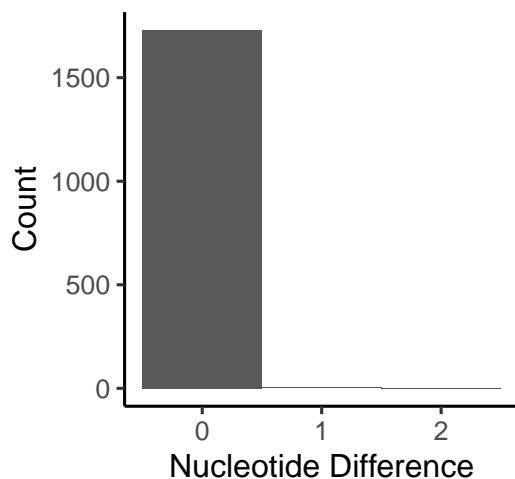
TRBV6-4*ap01

2448 sequences assigned
2439 (99.6%) exact matches, in which:
2437 unique CDR3
13 unique J



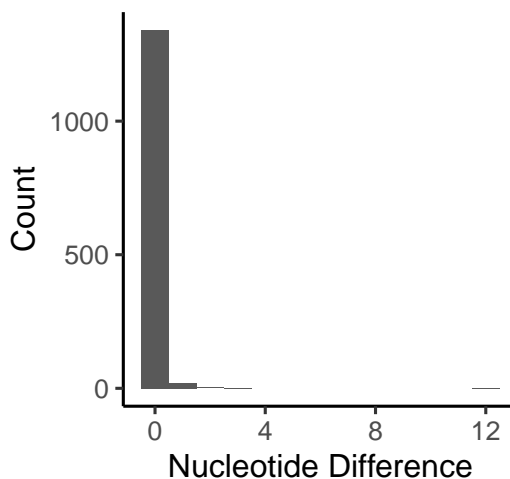
TRBV5-5*ap01

1736 sequences assigned
1730 (99.7%) exact matches, in which:
1722 unique CDR3
13 unique J



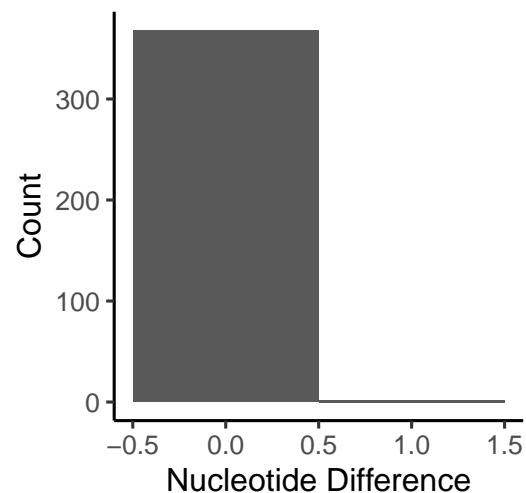
TRBV5-8*ap01

1366 sequences assigned
1341 (98.2%) exact matches, in which:
1341 unique CDR3
13 unique J



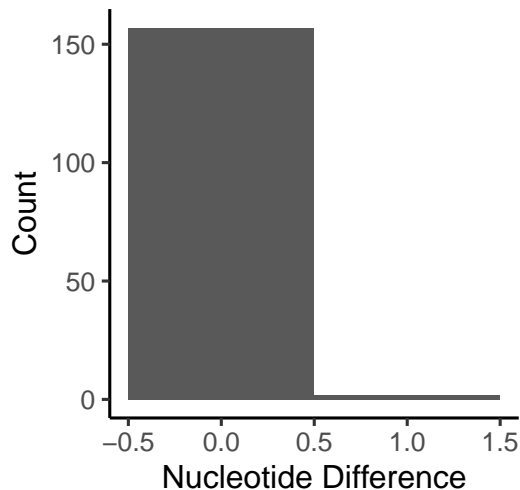
TRBV6-7*ap01

370 sequences assigned
368 (99.5%) exact matches, in which:
367 unique CDR3
13 unique J



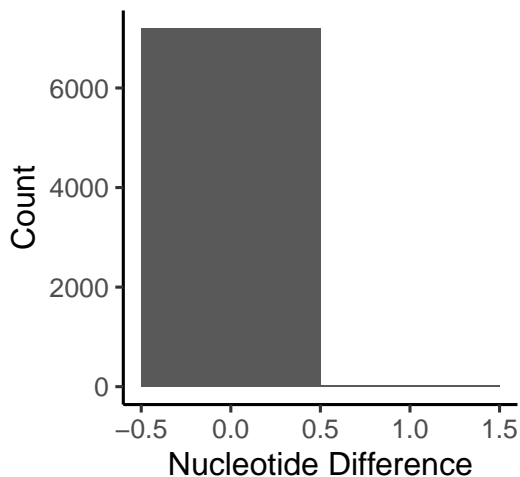
TRBV6-8*ap01

159 sequences assigned
157 (98.7%) exact matches, in which:
157 unique CDR3
13 unique J



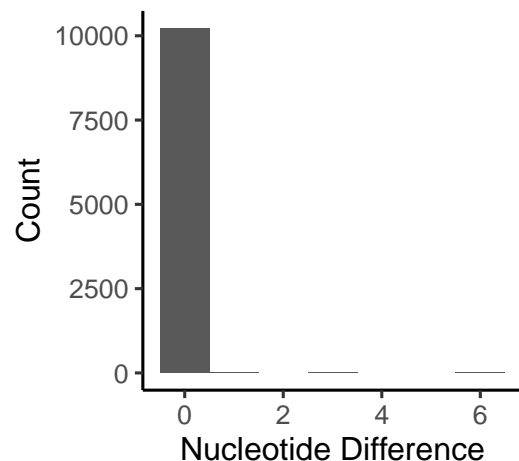
TRBV6-56*ap01

7218 sequences assigned
7197 (99.7%) exact matches, in which:
7186 unique CDR3
13 unique J



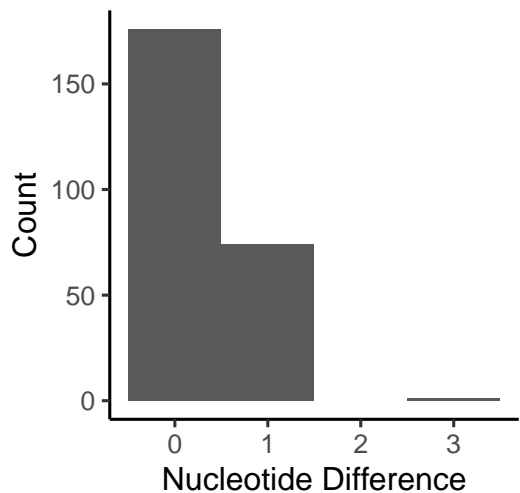
TRBV7-2*ap01

10247 sequences assigned
10226 (99.8%) exact matches, in which:
10222 unique CDR3
13 unique J



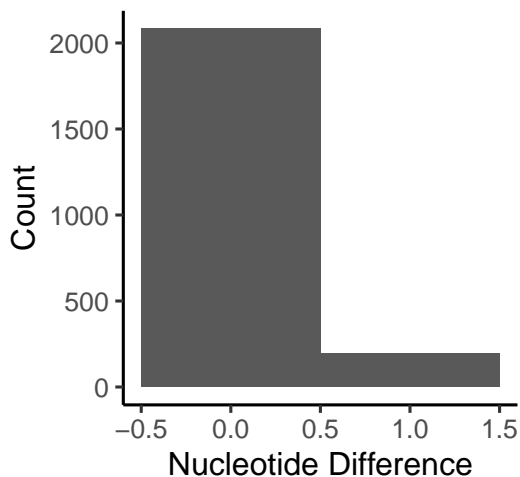
TRBV6-9*ap01

251 sequences assigned
176 (70.1%) exact matches, in which:
176 unique CDR3
13 unique J



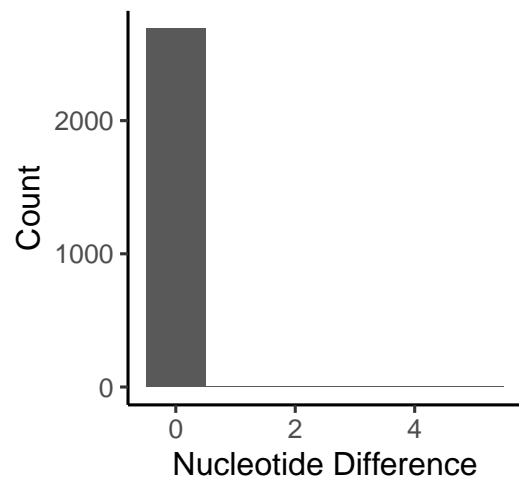
TRBV6-56*ap02

2275 sequences assigned
2083 (91.6%) exact matches, in which:
2077 unique CDR3
13 unique J



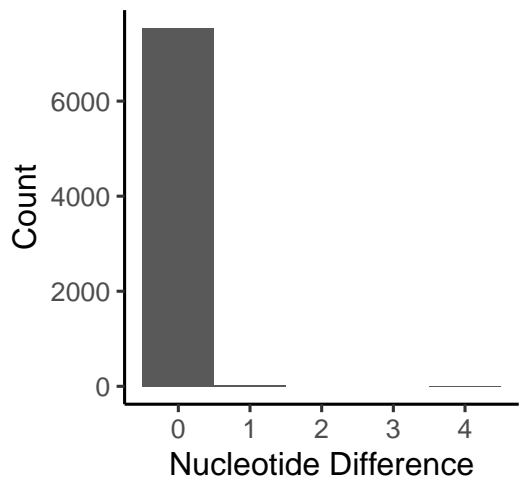
TRBV7-3*ap01

2703 sequences assigned
2690 (99.5%) exact matches, in which:
2686 unique CDR3
13 unique J



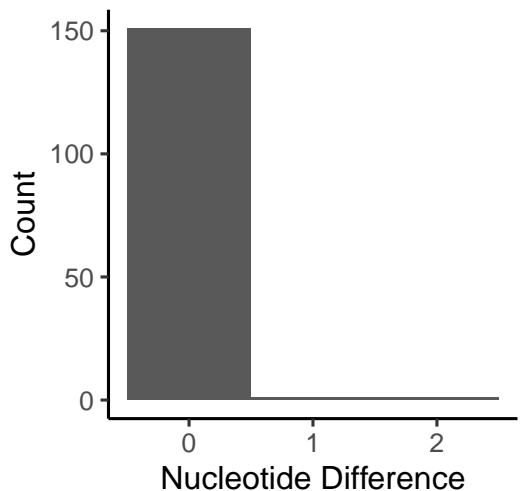
TRBV6-23*ap01

7565 sequences assigned
7537 (99.6%) exact matches, in which:
7520 unique CDR3
14 unique J



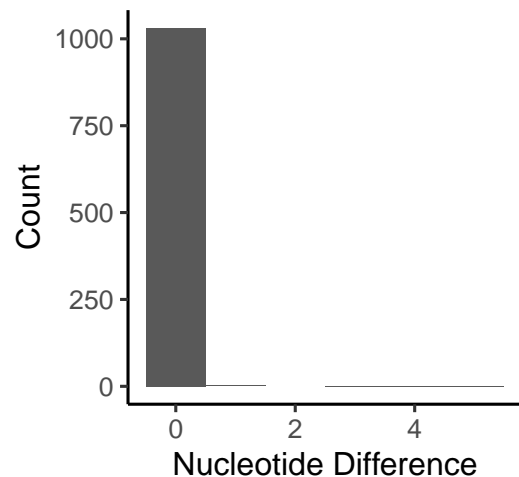
TRBV7-1*ap01_G291C_

153 sequences assigned
151 (98.7%) exact matches, in which:
151 unique CDR3
13 unique J



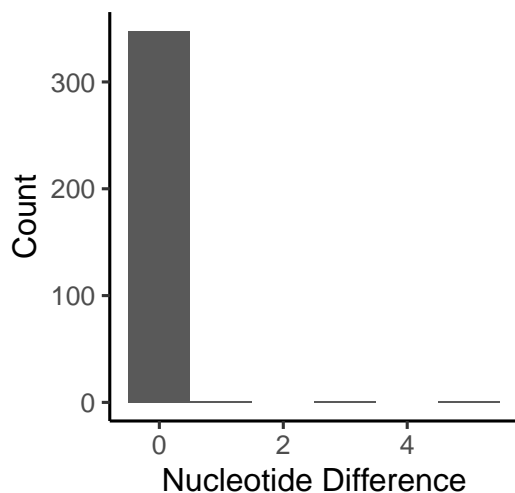
TRBV7-3*ap02

1036 sequences assigned
1031 (99.5%) exact matches, in which:
1030 unique CDR3
13 unique J



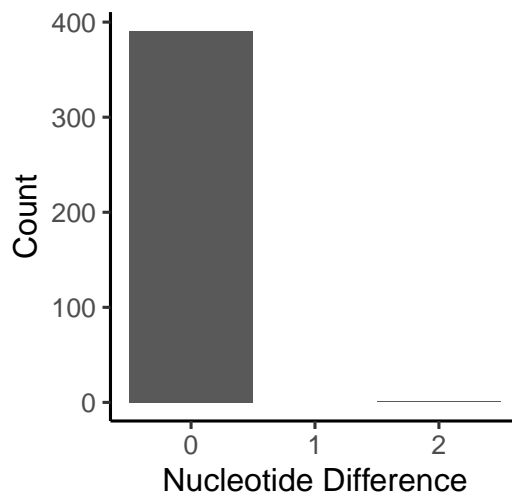
TRBV7-4*ap01

351 sequences assigned
348 (99.1%) exact matches, in which:
348 unique CDR3
13 unique J



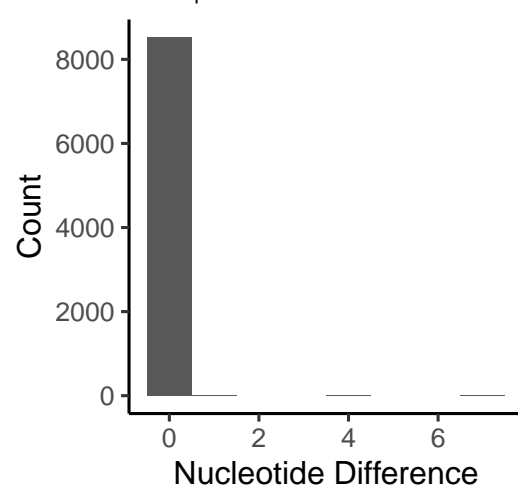
TRBV7-7*ap01_C315T

392 sequences assigned
391 (99.7%) exact matches, in which:
390 unique CDR3
13 unique J



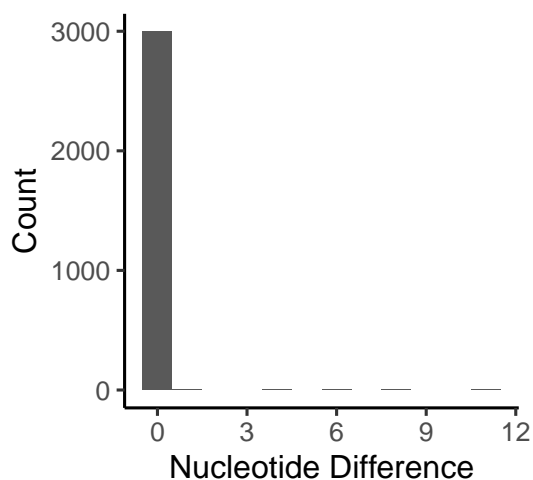
TRBV7-9*ap01

8534 sequences assigned
8522 (99.9%) exact matches, in which:
8517 unique CDR3
13 unique J



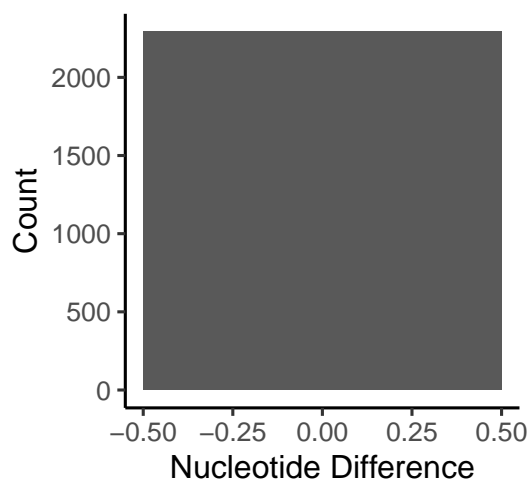
TRBV7-6*ap01

3007 sequences assigned
2996 (99.6%) exact matches, in which:
2992 unique CDR3
13 unique J



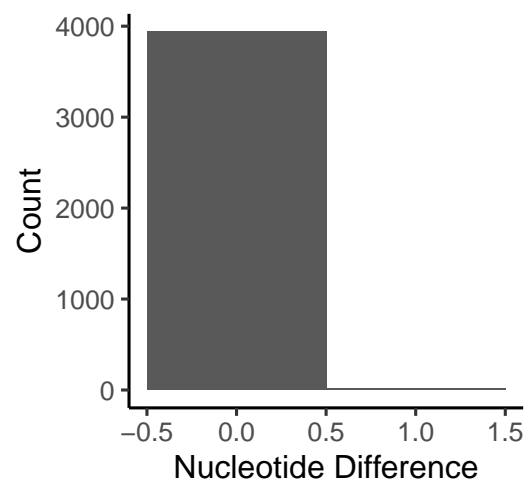
TRBV7-8*ap01

2292 sequences assigned
2292 (100%) exact matches, in which:
2291 unique CDR3
13 unique J



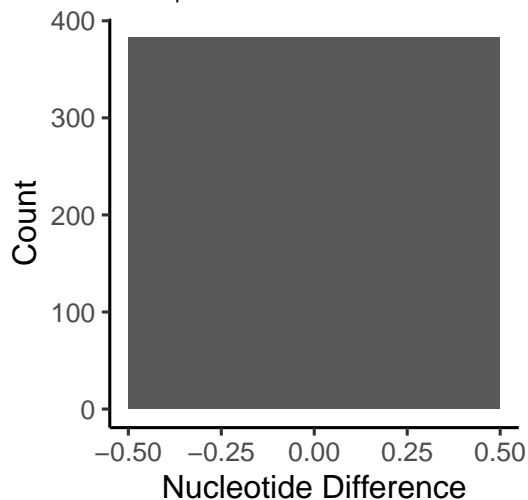
TRBV29-1*ap01

3953 sequences assigned
3939 (99.6%) exact matches, in which:
3930 unique CDR3
13 unique J



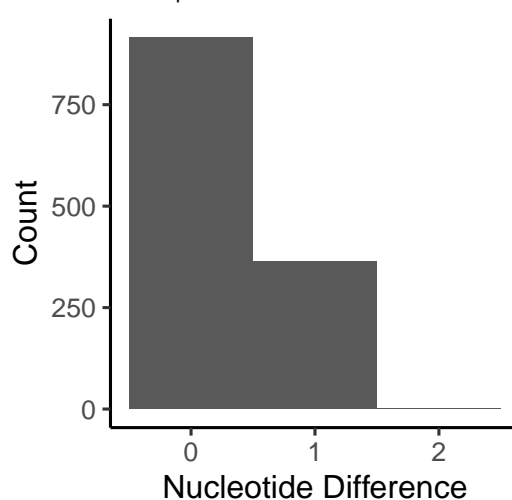
TRBV7-7*ap01

383 sequences assigned
383 (100%) exact matches, in which:
383 unique CDR3
13 unique J



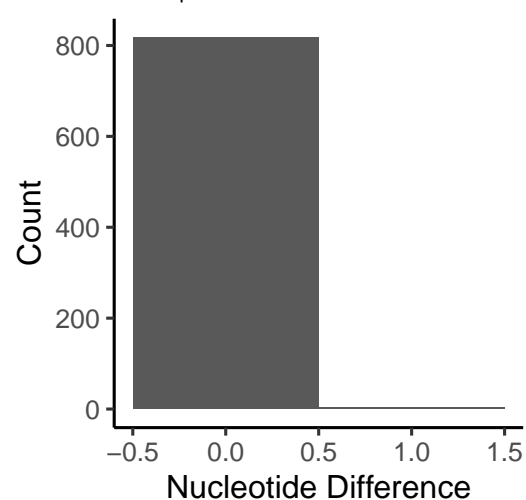
TRBV7-8*ap03

1280 sequences assigned
916 (71.6%) exact matches, in which:
914 unique CDR3
13 unique J

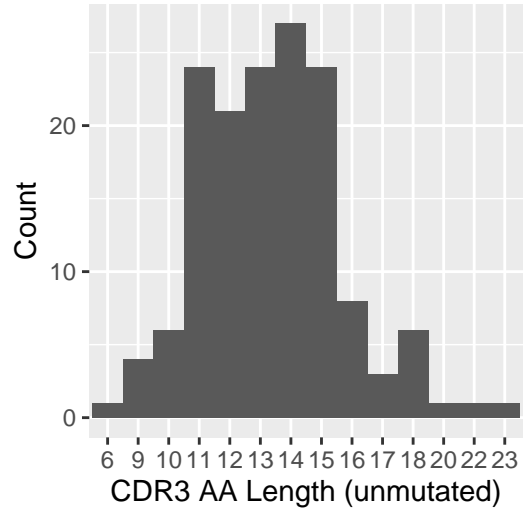


TRBV29-1*ap02

822 sequences assigned
818 (99.5%) exact matches, in which:
816 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

