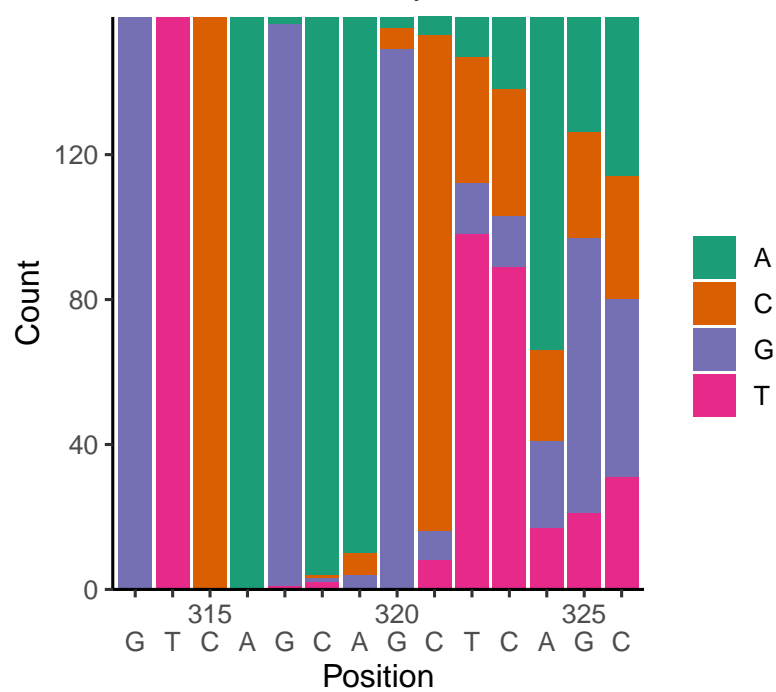
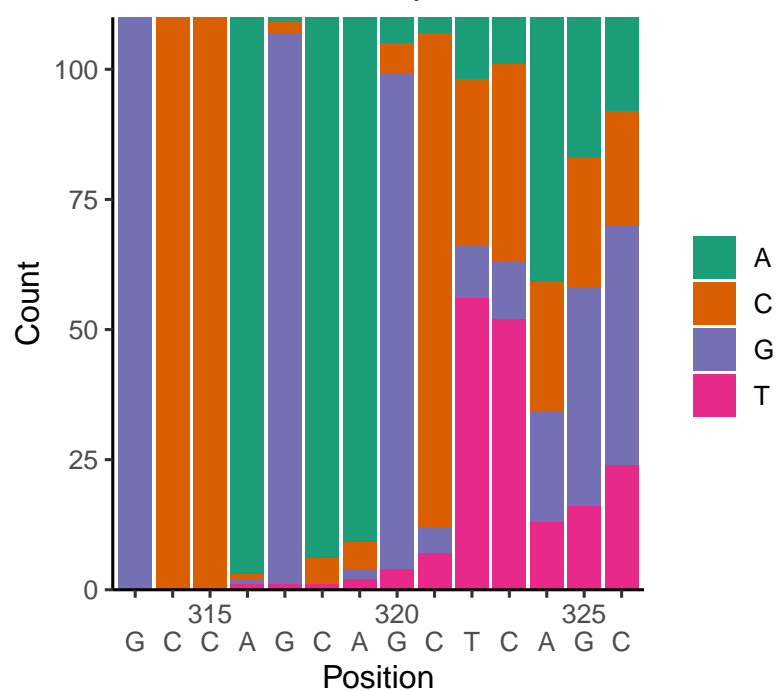


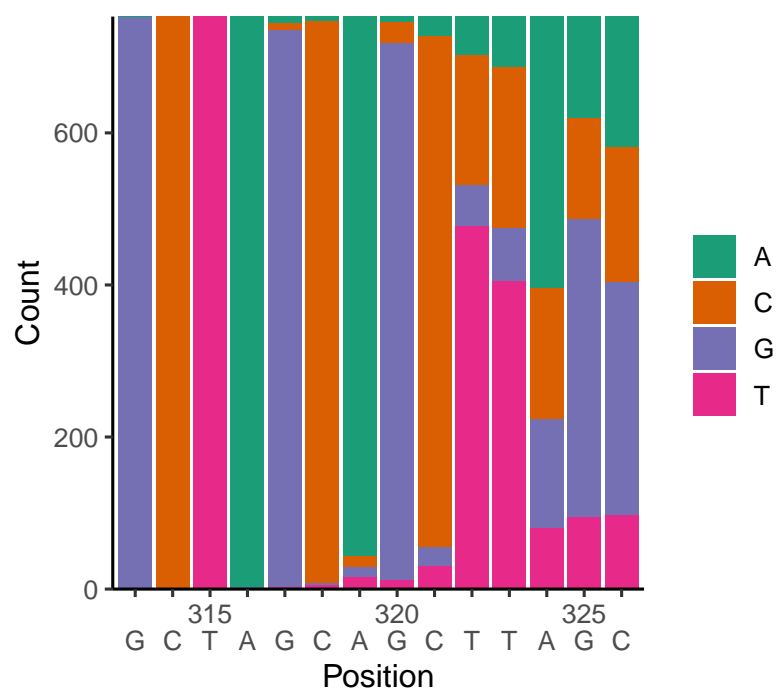
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



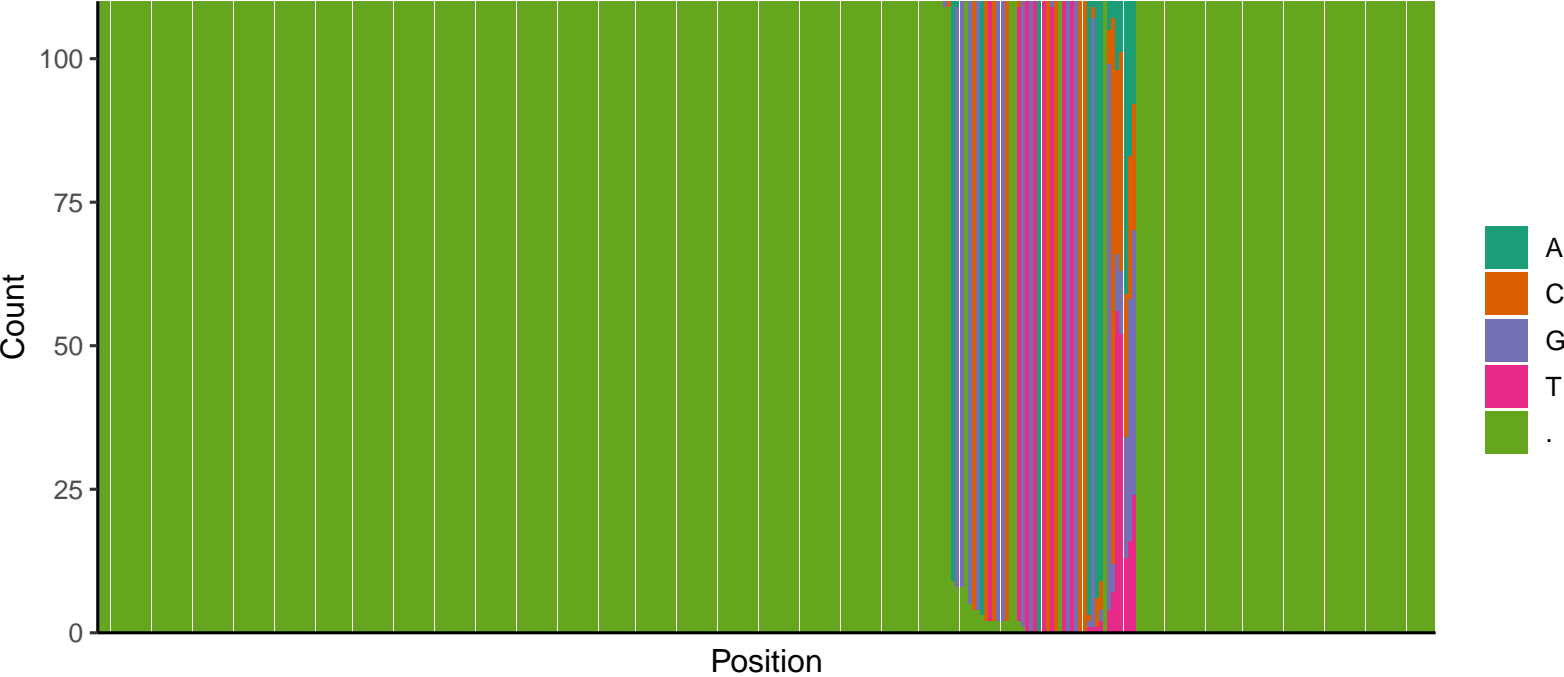
Gene TRBV7-7*ap01_C315T



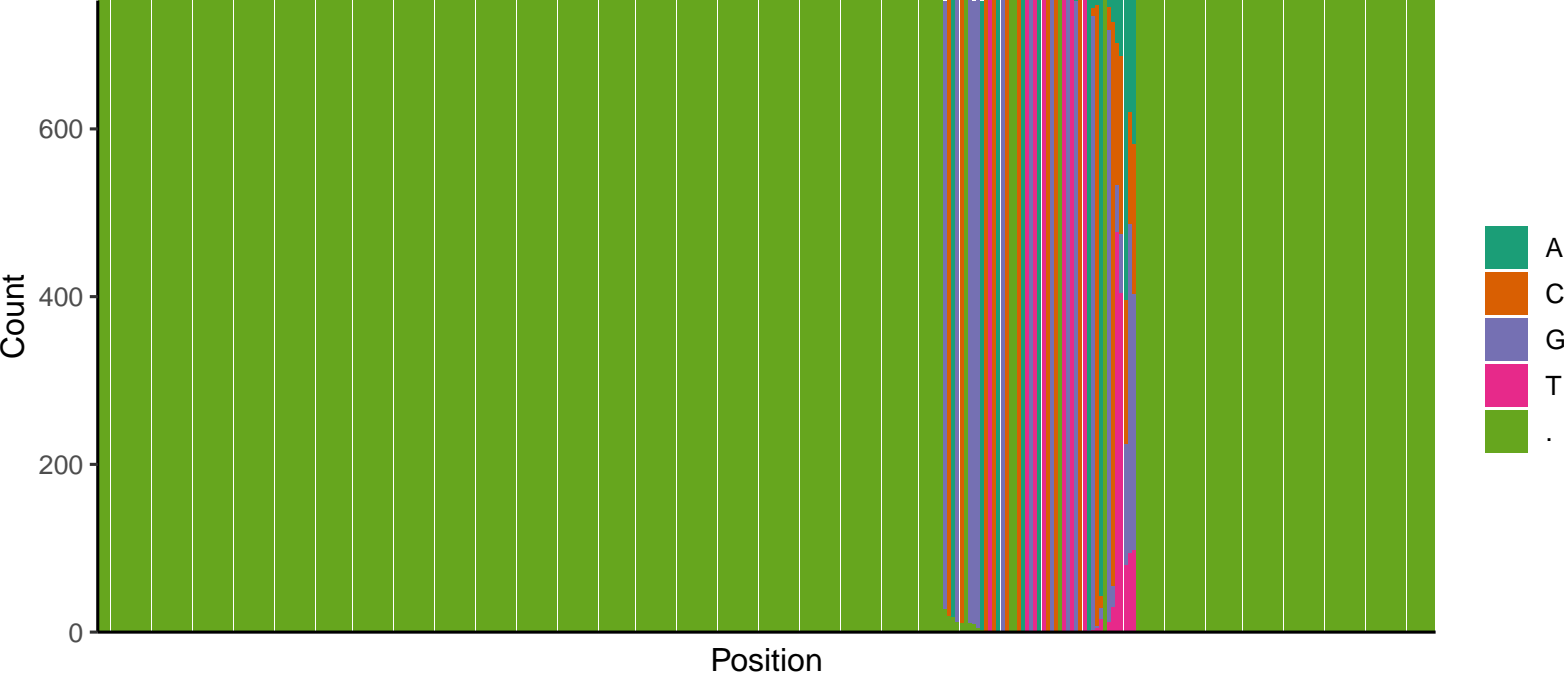
Gene TRBV7-1*ap01_G291C_T296C_C314T



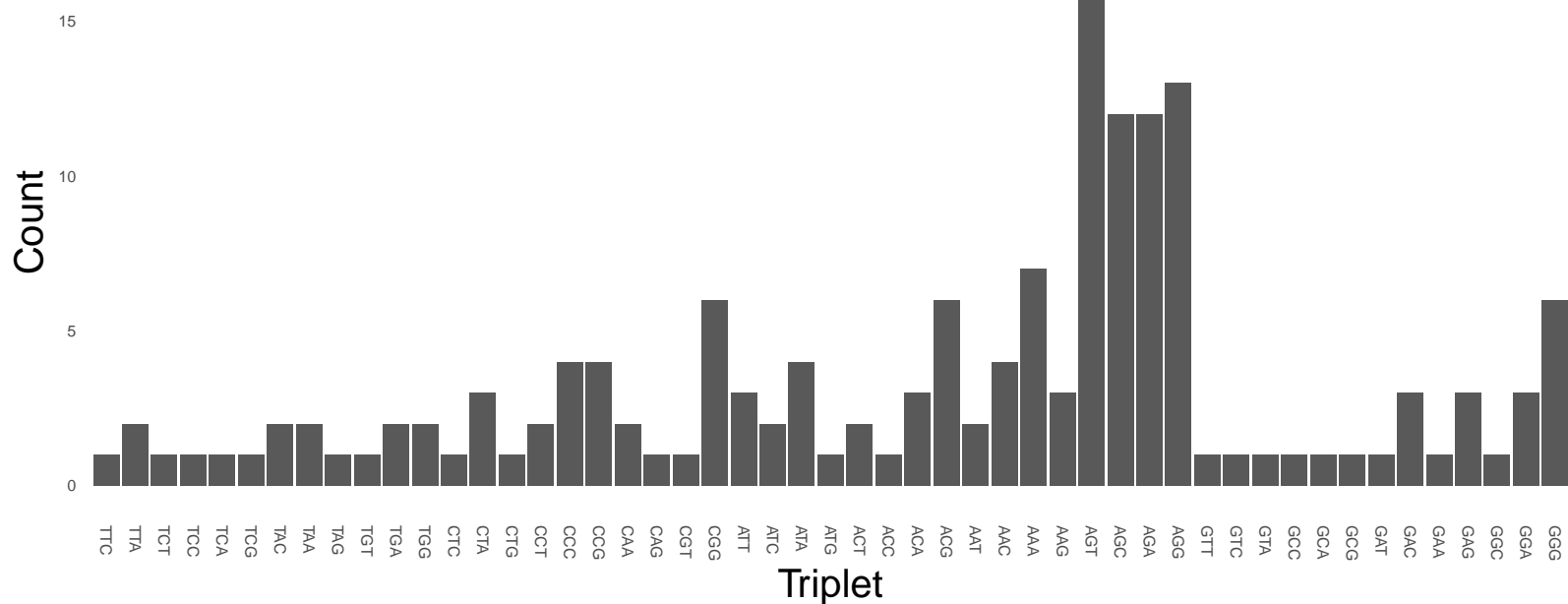
Gene TRBV7-1*ap01_G291C_T296C



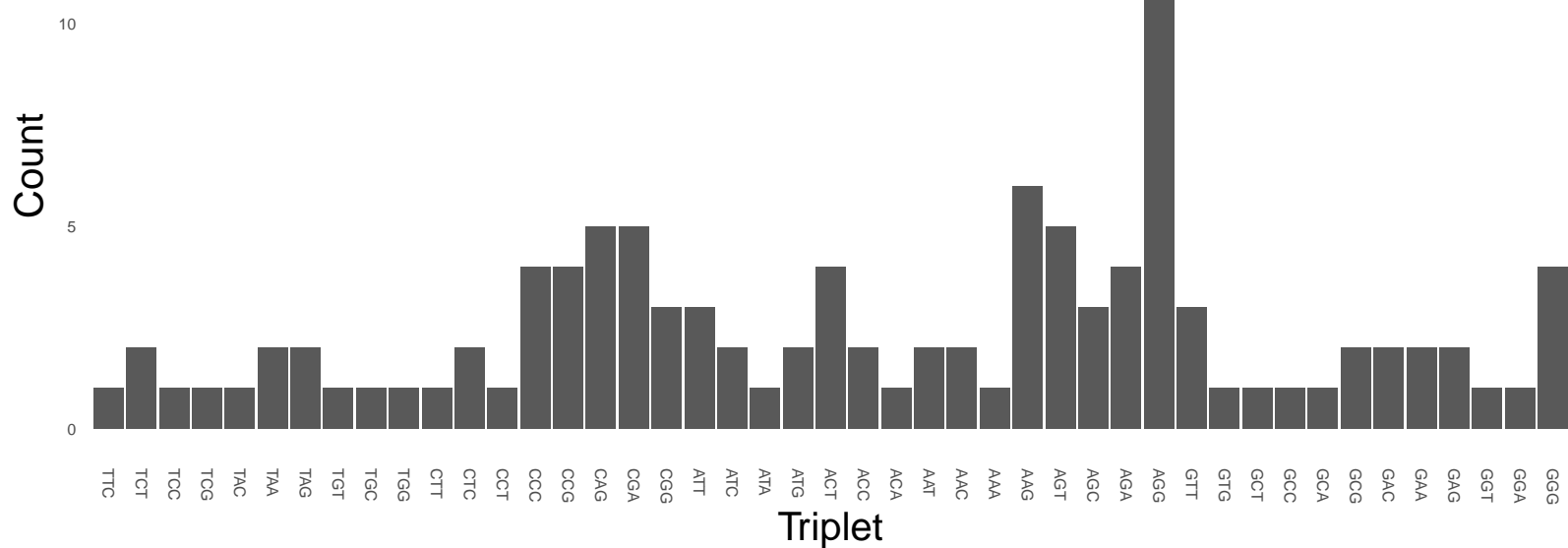
Gene TRBV7-7*ap01_C315T



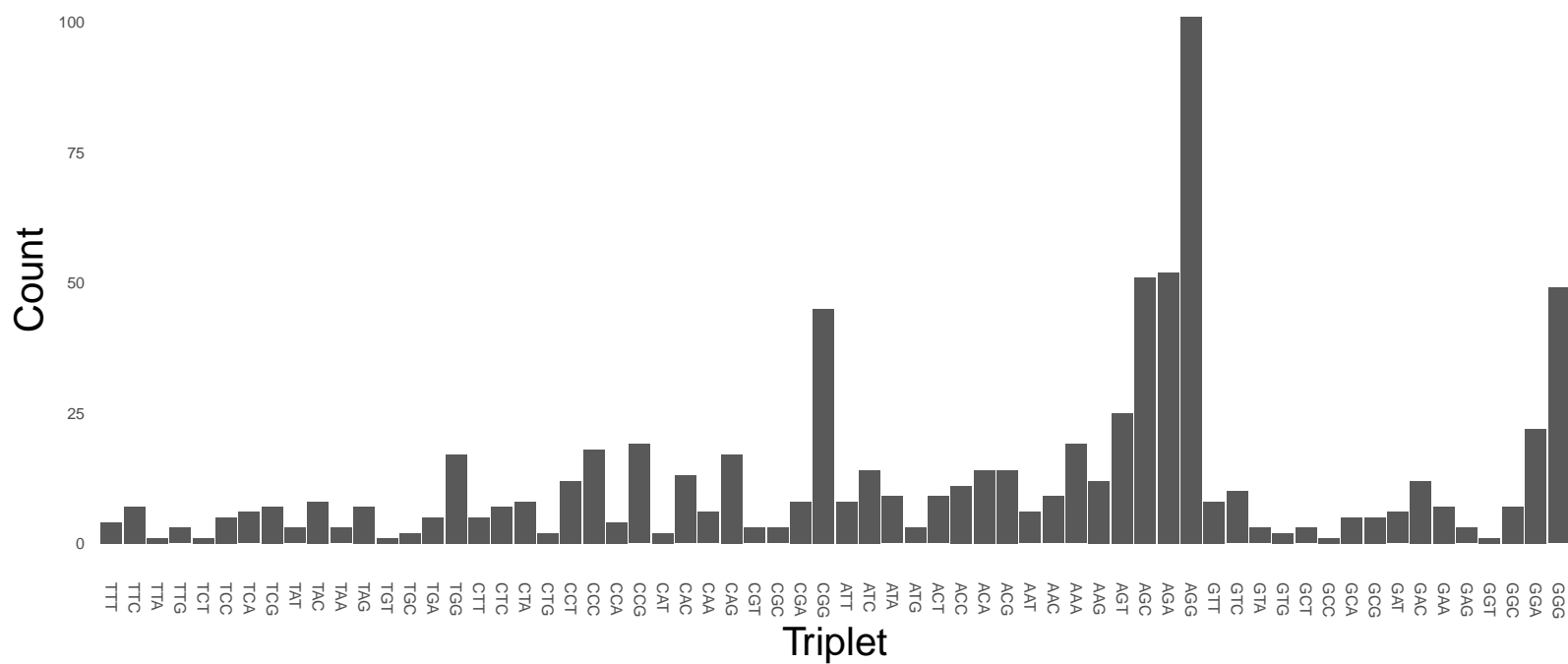
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

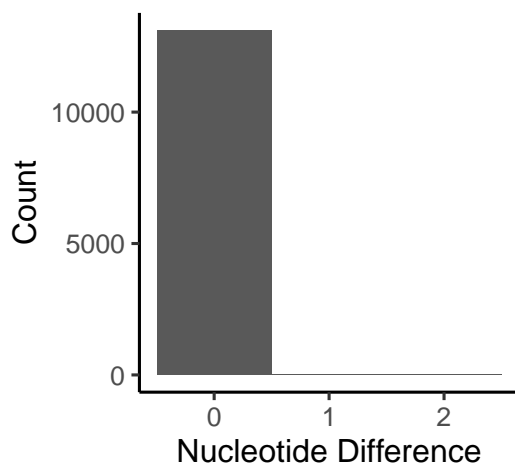


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



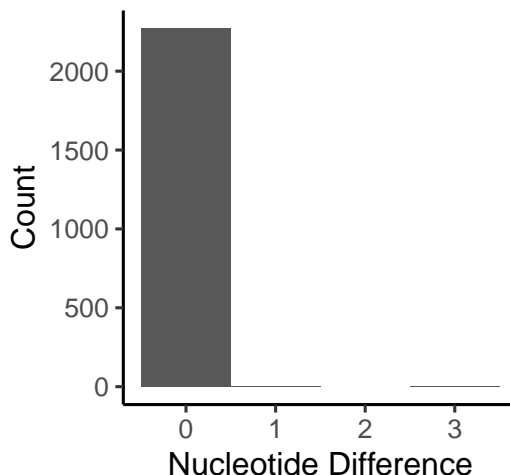
TRBV20-1*ap01

13137 sequences assigned
13118 (99.9%) exact matches, in which:
13116 unique CDR3
13 unique J



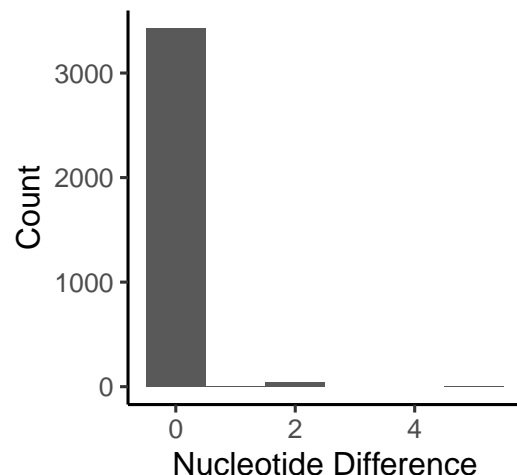
TRBV10-2*ap01

2274 sequences assigned
2271 (99.9%) exact matches, in which:
2270 unique CDR3
13 unique J



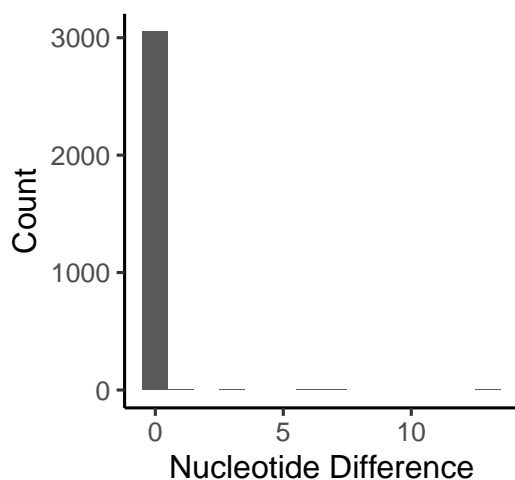
TRBV13*ap01

3479 sequences assigned
3427 (98.5%) exact matches, in which:
3425 unique CDR3
13 unique J



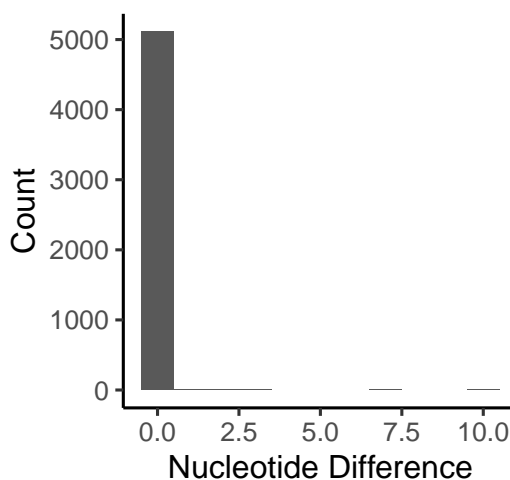
TRBV10-1*ap01

3061 sequences assigned
3051 (99.7%) exact matches, in which:
3051 unique CDR3
13 unique J



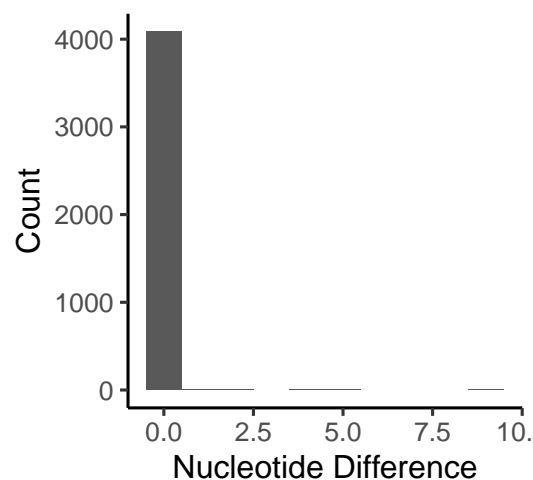
TRBV10-3*ap01

5123 sequences assigned
5112 (99.8%) exact matches, in which:
5111 unique CDR3
13 unique J



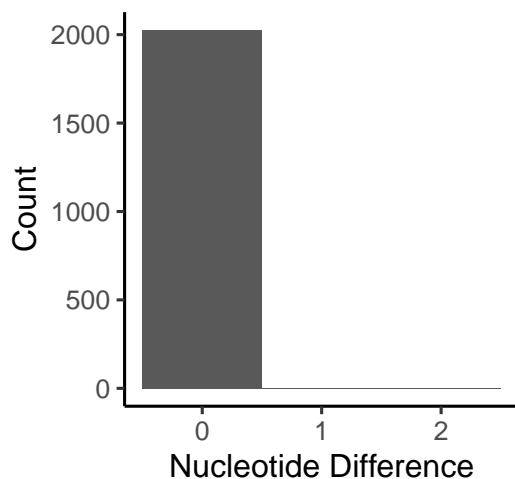
TRBV14*ap01

4093 sequences assigned
4085 (99.8%) exact matches, in which:
4085 unique CDR3
13 unique J



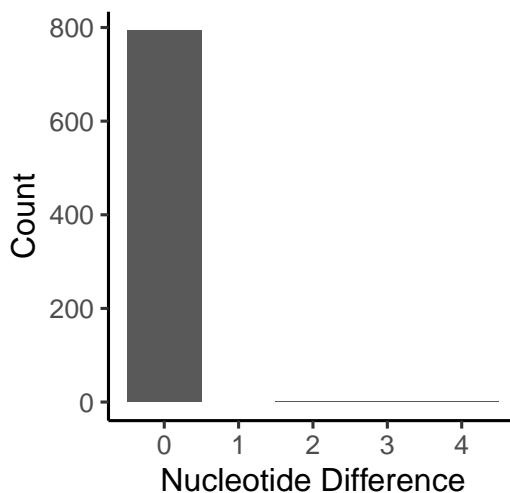
TRBV20-1*ap02

2030 sequences assigned
2026 (99.8%) exact matches, in which:
2026 unique CDR3
13 unique J



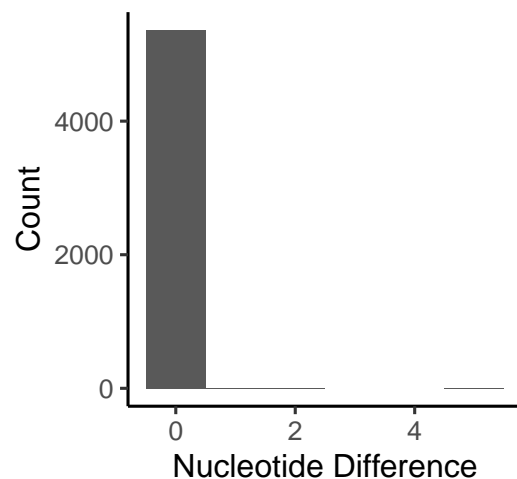
TRBV1*ap01

797 sequences assigned
794 (99.6%) exact matches, in which:
793 unique CDR3
13 unique J



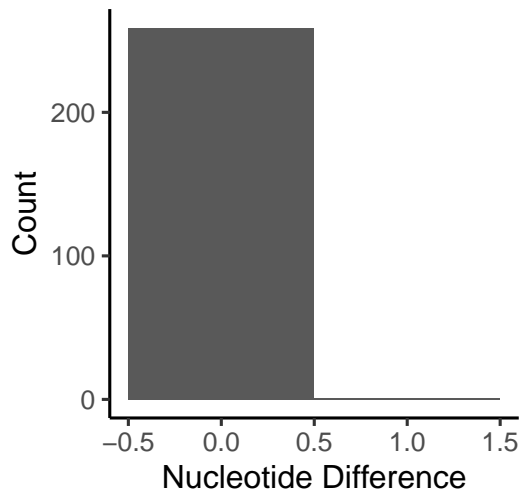
TRBV15*ap02

5375 sequences assigned
5364 (99.8%) exact matches, in which:
5359 unique CDR3
13 unique J



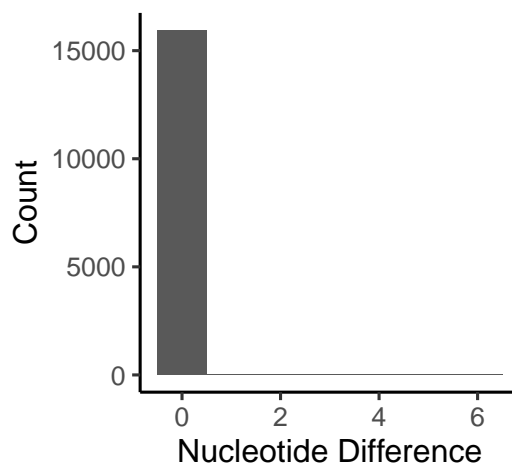
TRBV16*ap01

260 sequences assigned
259 (99.6%) exact matches, in which:
259 unique CDR3
13 unique J



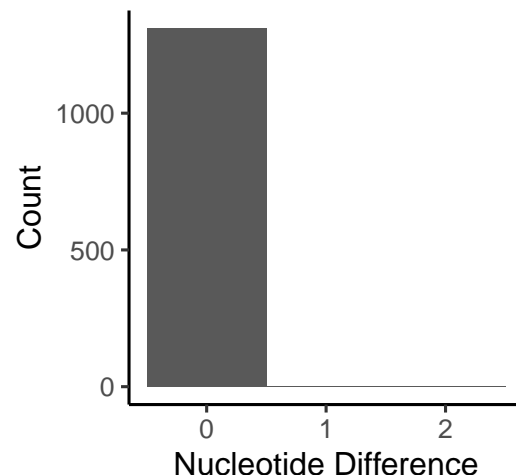
TRBV2*ap01

16001 sequences assigned
15949 (99.7%) exact matches, in which:
15931 unique CDR3
13 unique J



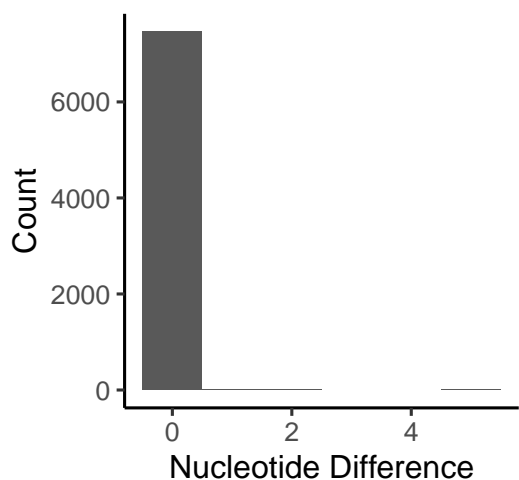
TRBV28*ap01

1312 sequences assigned
1310 (99.8%) exact matches, in which:
1310 unique CDR3
13 unique J



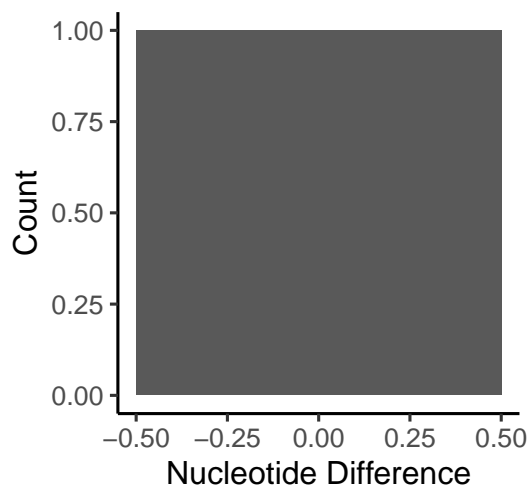
TRBV18*ap01

7468 sequences assigned
7462 (99.9%) exact matches, in which:
7462 unique CDR3
13 unique J



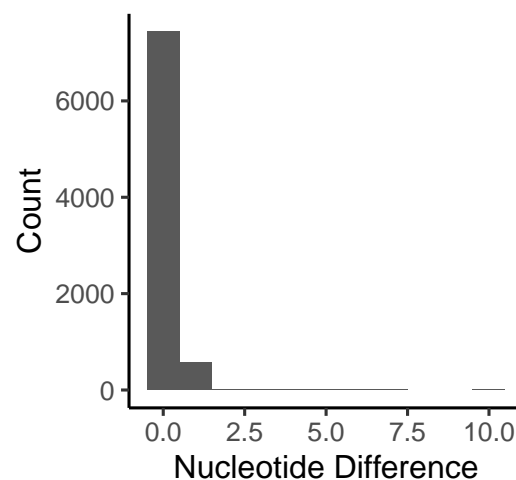
TRBV26*ap01

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



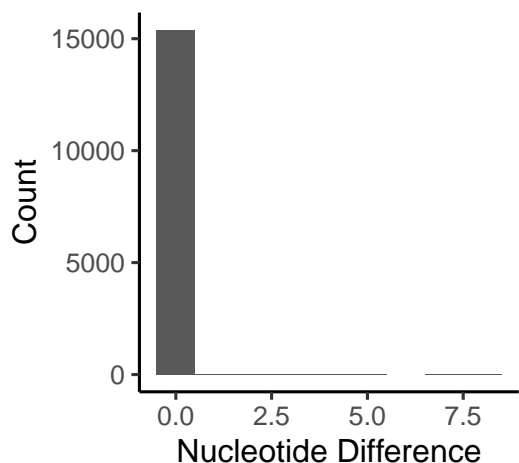
TRBV30*ap01

8027 sequences assigned
7436 (92.6%) exact matches, in which:
7421 unique CDR3
13 unique J



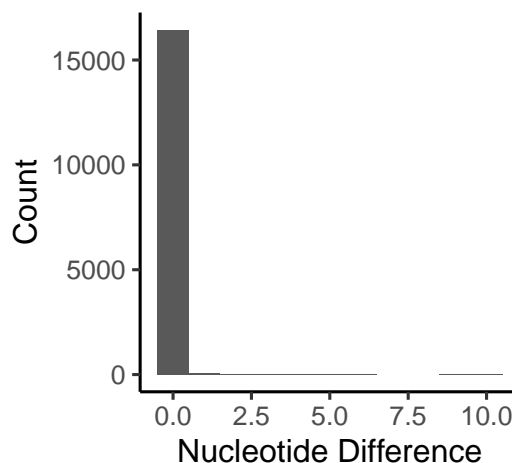
TRBV19*ap01

15439 sequences assigned
15397 (99.7%) exact matches, in which:
15397 unique CDR3
13 unique J



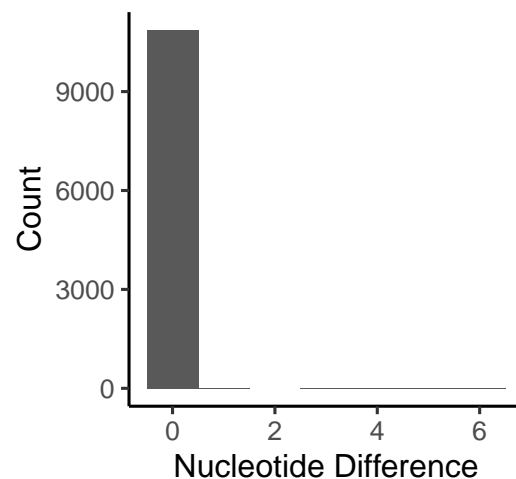
TRBV27*ap01

16505 sequences assigned
16441 (99.6%) exact matches, in which:
16417 unique CDR3
13 unique J



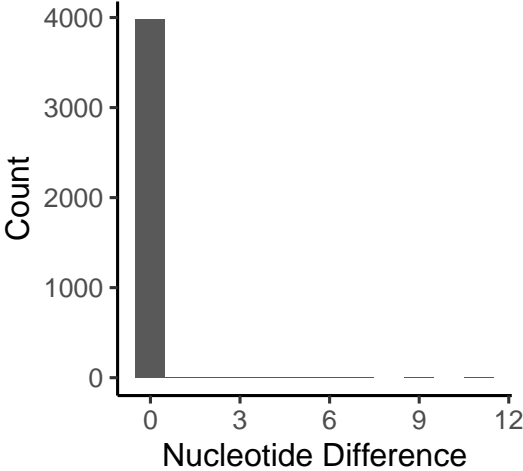
TRBV9*ap01

10882 sequences assigned
10867 (99.9%) exact matches, in which:
10861 unique CDR3
13 unique J



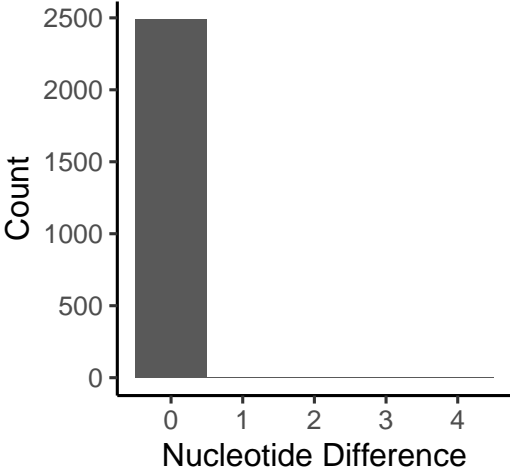
TRBV21-1*ap01

4014 sequences assigned
3979 (99.1%) exact matches, in which:
3979 unique CDR3
13 unique J



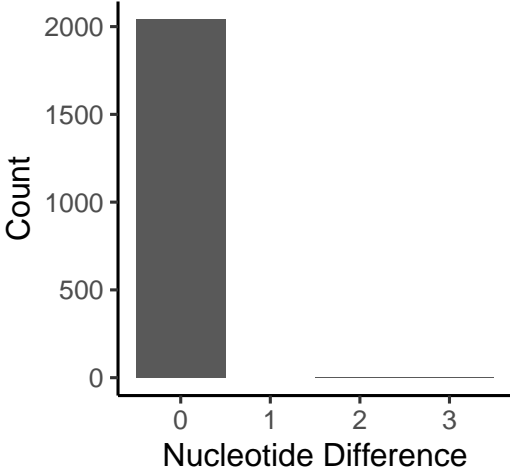
TRBV11-3*ap01

2499 sequences assigned
2489 (99.6%) exact matches, in which:
2489 unique CDR3
13 unique J



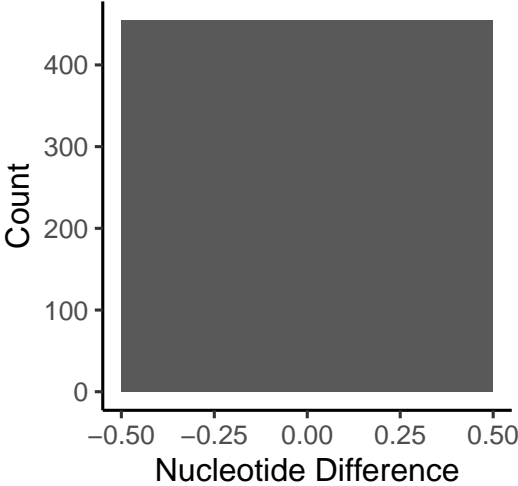
TRBV12-5*ap01

2043 sequences assigned
2041 (99.9%) exact matches, in which:
2041 unique CDR3
13 unique J



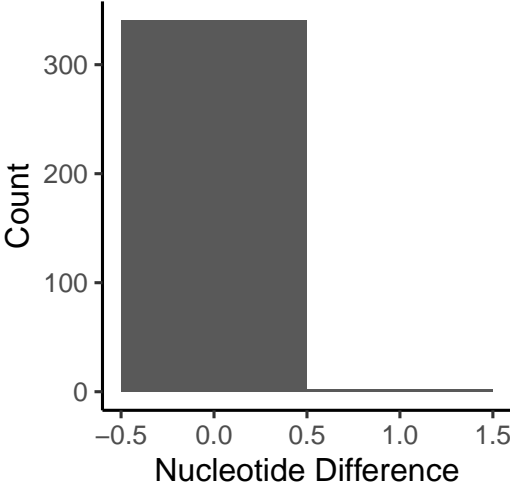
TRBV11-1*ap01

455 sequences assigned
455 (100%) exact matches, in which:
455 unique CDR3
13 unique J



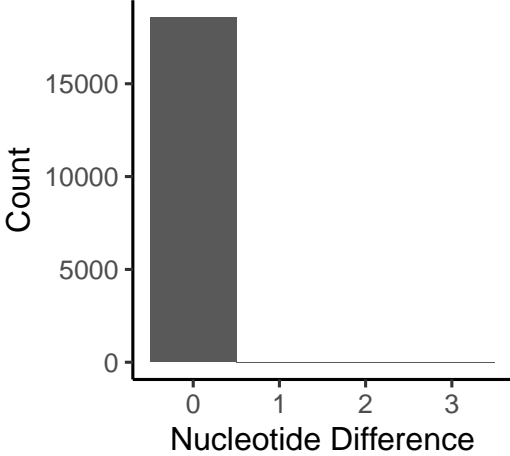
TRBV12-1*ap01

343 sequences assigned
341 (99.4%) exact matches, in which:
341 unique CDR3
13 unique J



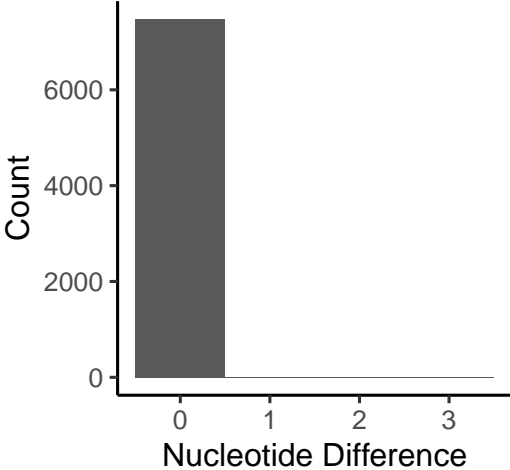
TRBV12-34*ap01

18596 sequences assigned
18569 (99.9%) exact matches, in which:
18568 unique CDR3
13 unique J



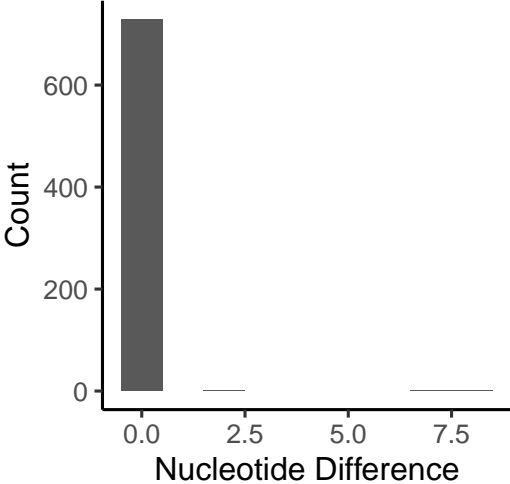
TRBV11-2*ap01

7492 sequences assigned
7477 (99.8%) exact matches, in which:
7476 unique CDR3
13 unique J



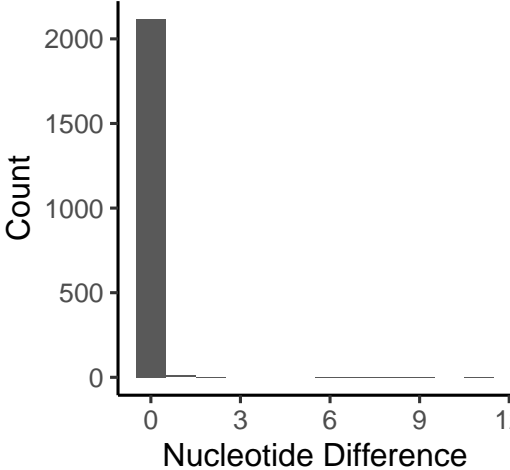
TRBV12-2*ap01

732 sequences assigned
729 (99.6%) exact matches, in which:
729 unique CDR3
13 unique J



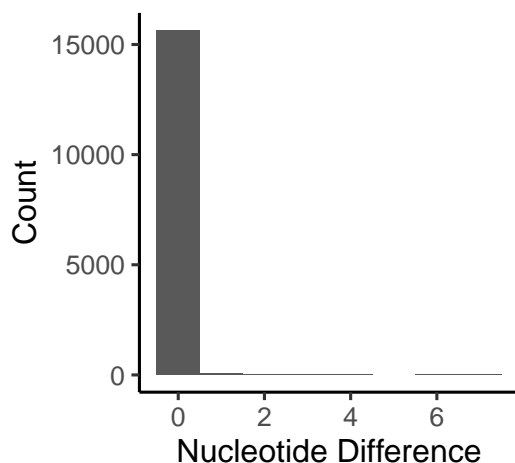
TRBV23-1*ap01

2134 sequences assigned
2117 (99.2%) exact matches, in which:
2117 unique CDR3
13 unique J



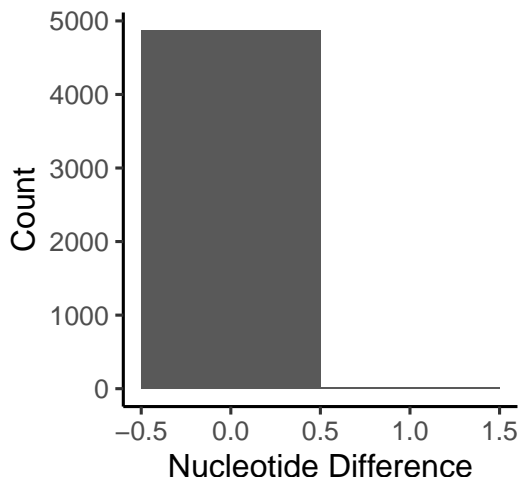
TRBV3-12*ap01

15724 sequences assigned
15651 (99.5%) exact matches, in which:
15628 unique CDR3
13 unique J



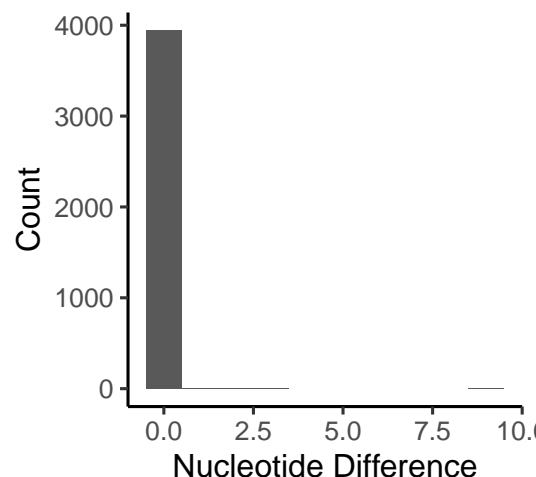
TRBV4-2*ap01

4887 sequences assigned
4871 (99.7%) exact matches, in which:
4870 unique CDR3
13 unique J



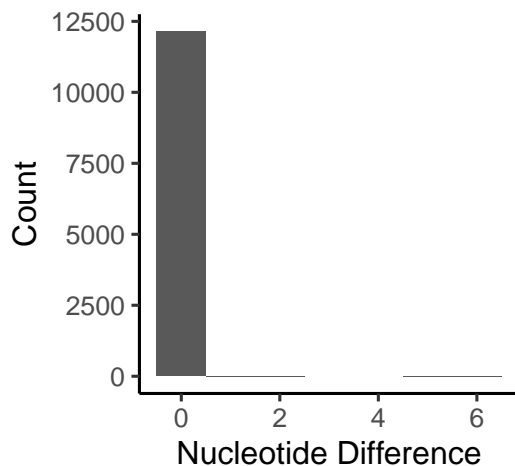
TRBV25-1*ap01

3956 sequences assigned
3943 (99.7%) exact matches, in which:
3937 unique CDR3
13 unique J



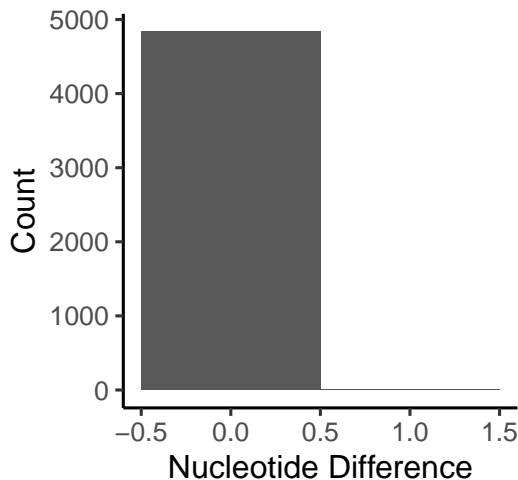
TRBV4-1*ap01

12164 sequences assigned
12144 (99.8%) exact matches, in which:
12139 unique CDR3
13 unique J



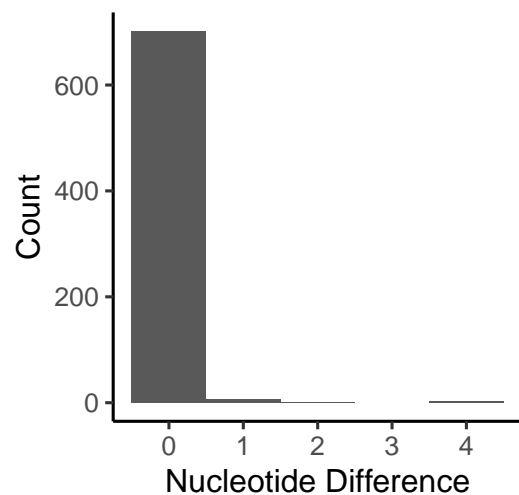
TRBV4-3*ap01

4837 sequences assigned
4835 (100%) exact matches, in which:
4835 unique CDR3
13 unique J



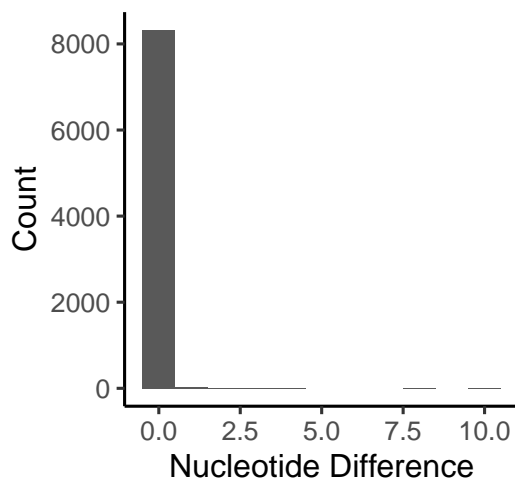
TRBV5-3*ap01

711 sequences assigned
702 (98.7%) exact matches, in which:
702 unique CDR3
13 unique J



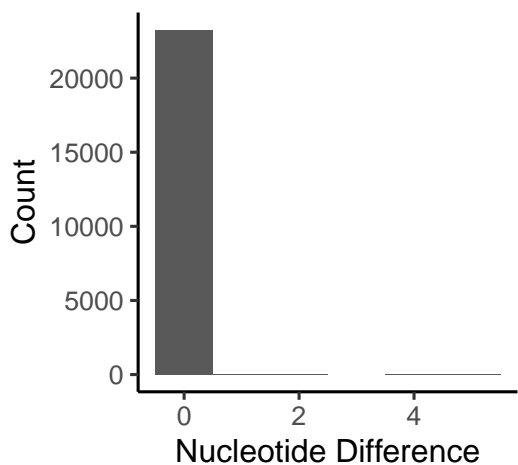
TRBV24-1*ap01

8363 sequences assigned
8322 (99.5%) exact matches, in which:
8310 unique CDR3
13 unique J



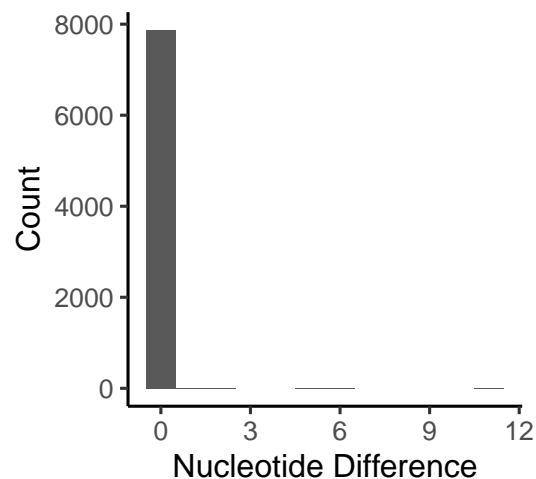
TRBV5-1*ap01

23292 sequences assigned
23260 (99.9%) exact matches, in which:
23233 unique CDR3
13 unique J



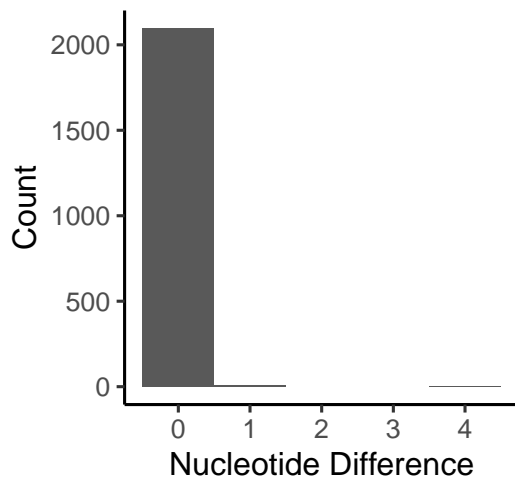
TRBV5-4*ap01

7885 sequences assigned
7871 (99.8%) exact matches, in which:
7868 unique CDR3
13 unique J



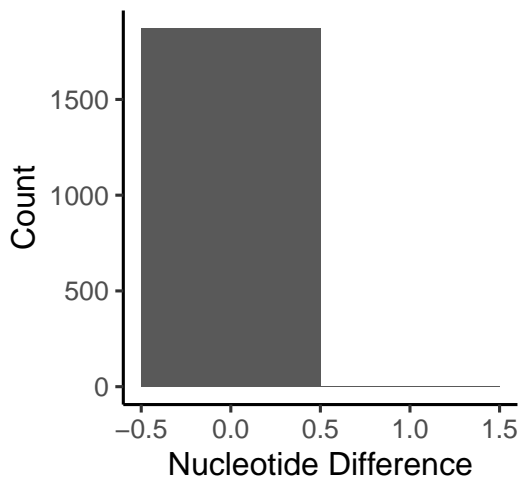
TRBV5-5*ap01

2104 sequences assigned
2096 (99.6%) exact matches, in which:
2096 unique CDR3
13 unique J



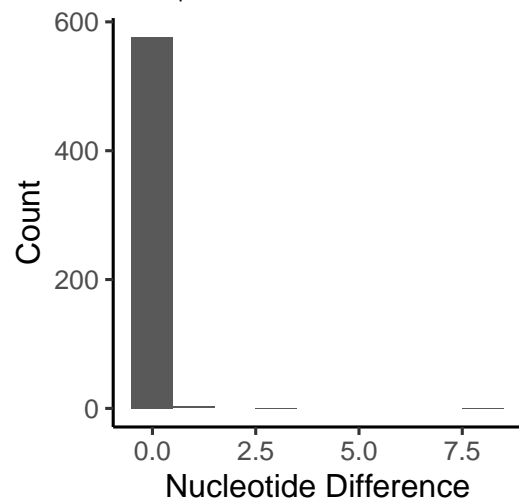
TRBV5-8*ap01

1875 sequences assigned
1871 (99.8%) exact matches, in which:
1871 unique CDR3
13 unique J



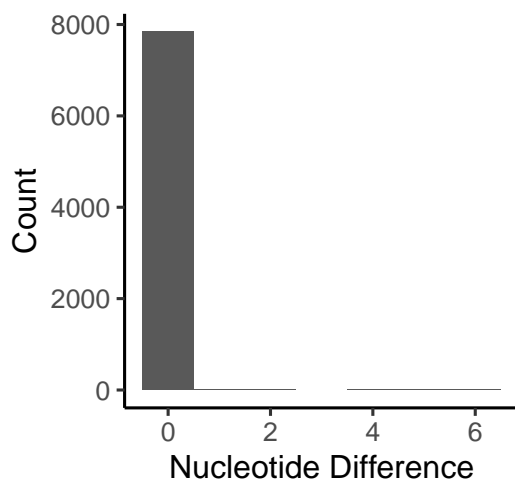
TRBV6-7*ap01

582 sequences assigned
577 (99.1%) exact matches, in which:
577 unique CDR3
13 unique J



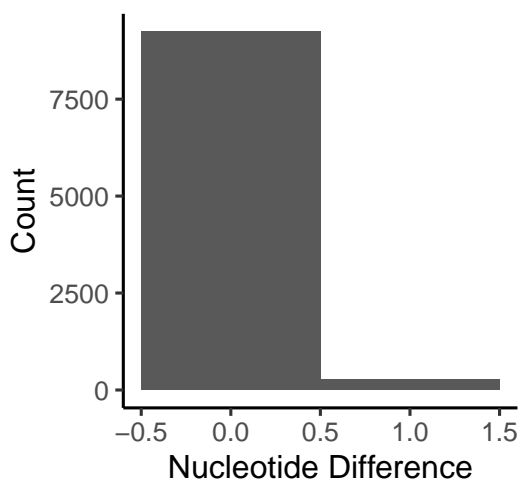
TRBV5-6*ap01

7861 sequences assigned
7842 (99.8%) exact matches, in which:
7829 unique CDR3
13 unique J



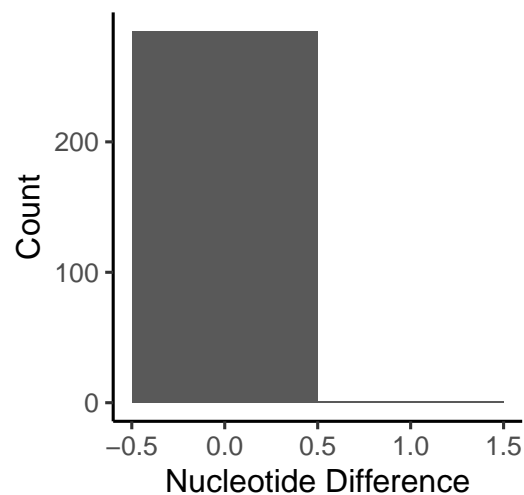
TRBV6-1*ap01

9502 sequences assigned
9238 (97.2%) exact matches, in which:
9235 unique CDR3
13 unique J



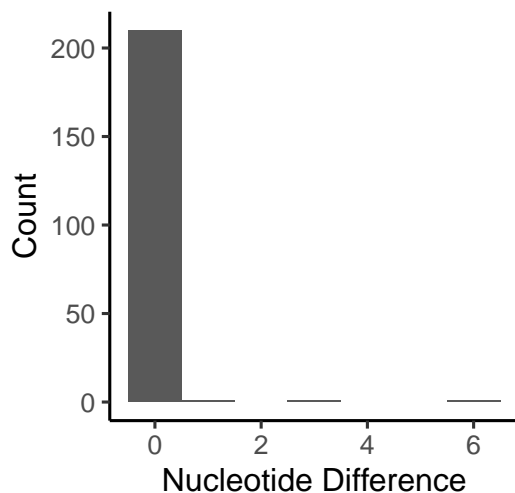
TRBV6-8*ap01

286 sequences assigned
285 (99.7%) exact matches, in which:
285 unique CDR3
13 unique J



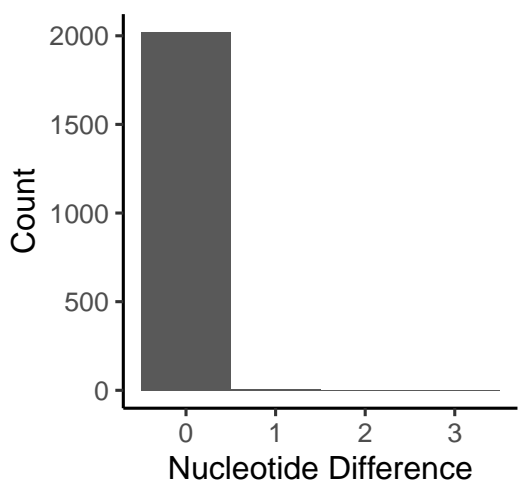
TRBV5-7*ap01

213 sequences assigned
210 (98.6%) exact matches, in which:
209 unique CDR3
13 unique J



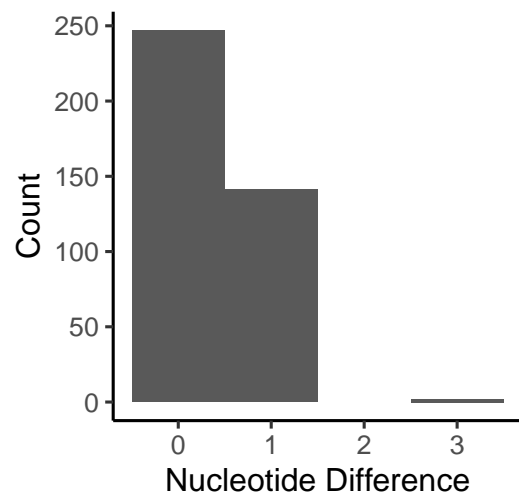
TRBV6-4*ap01

2032 sequences assigned
2021 (99.5%) exact matches, in which:
2020 unique CDR3
13 unique J



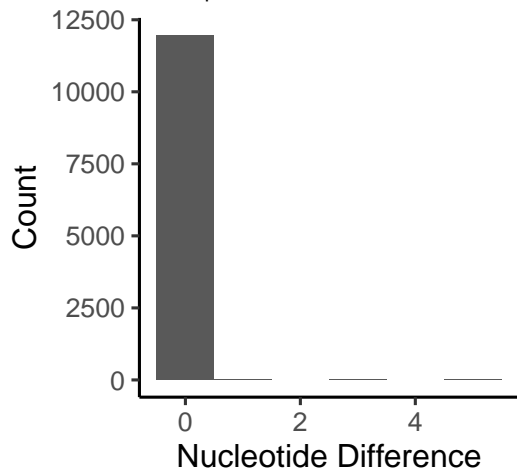
TRBV6-9*ap01

390 sequences assigned
247 (63.3%) exact matches, in which:
247 unique CDR3
13 unique J



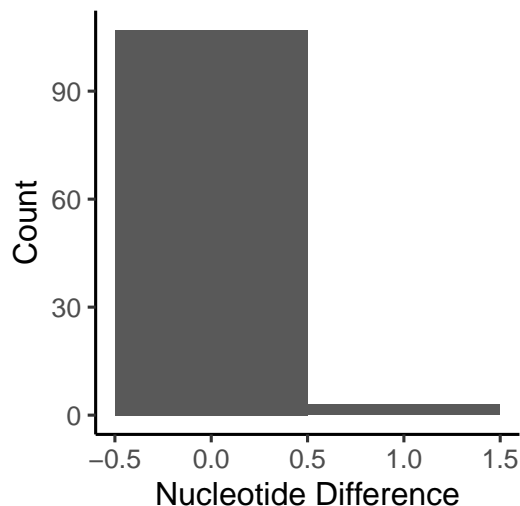
TRBV6-23*ap01

11986 sequences assigned
11966 (99.8%) exact matches, in which:
11948 unique CDR3
13 unique J



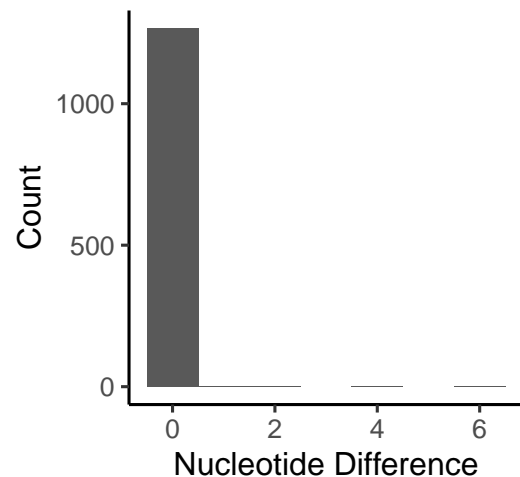
TRBV7-1*ap01_G291C_T

110 sequences assigned
107 (97.3%) exact matches, in which:
107 unique CDR3
12 unique J



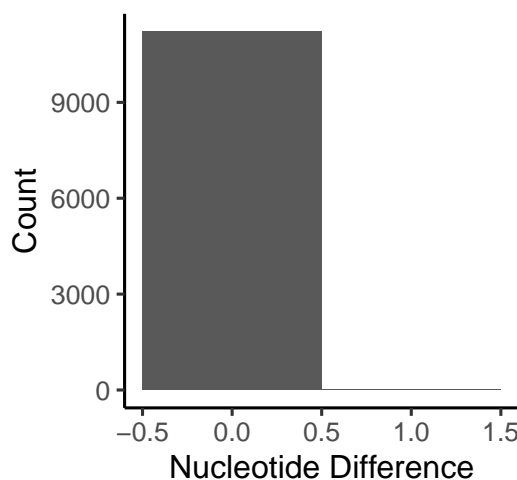
TRBV7-3*ap02

1272 sequences assigned
1266 (99.5%) exact matches, in which:
1266 unique CDR3
13 unique J



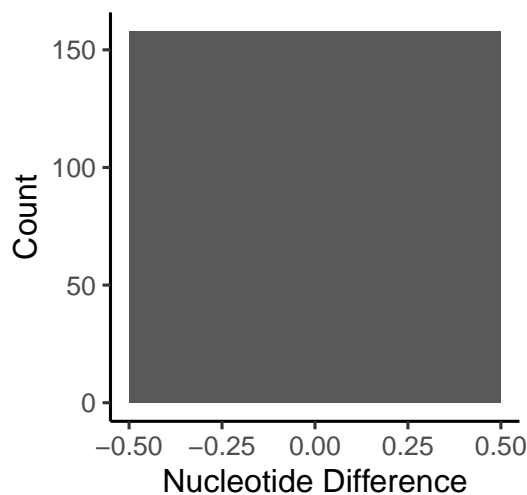
TRBV6-56*ap01

11229 sequences assigned
11210 (99.8%) exact matches, in which:
11200 unique CDR3
13 unique J



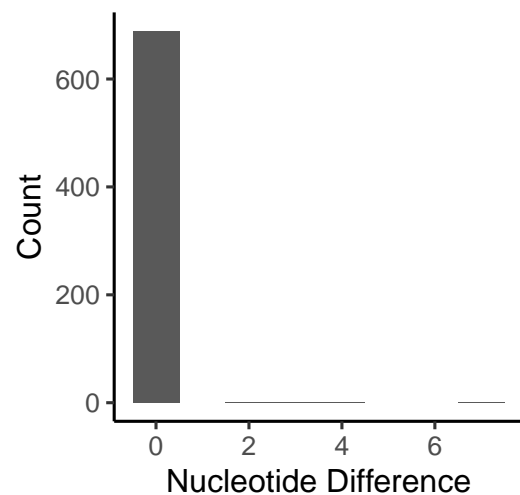
TRBV7-1*ap01_G291C_

158 sequences assigned
158 (100%) exact matches, in which:
158 unique CDR3
12 unique J



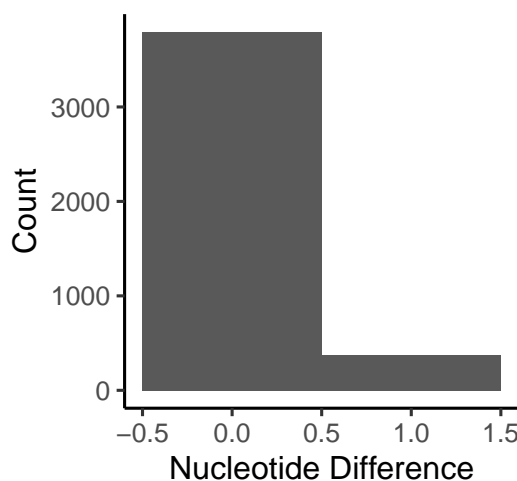
TRBV7-3*ap03

693 sequences assigned
689 (99.4%) exact matches, in which:
689 unique CDR3
13 unique J



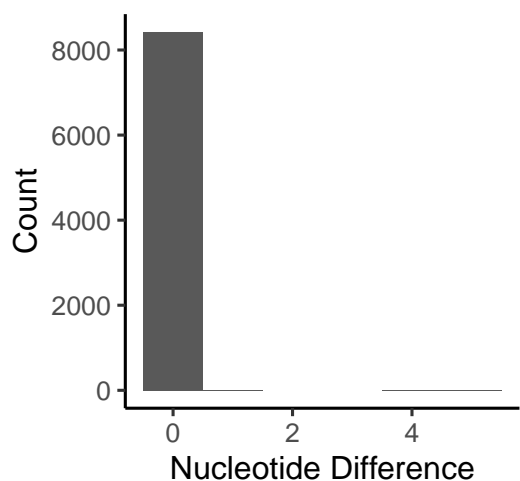
TRBV6-56*ap02

4165 sequences assigned
3793 (91.1%) exact matches, in which:
3791 unique CDR3
13 unique J



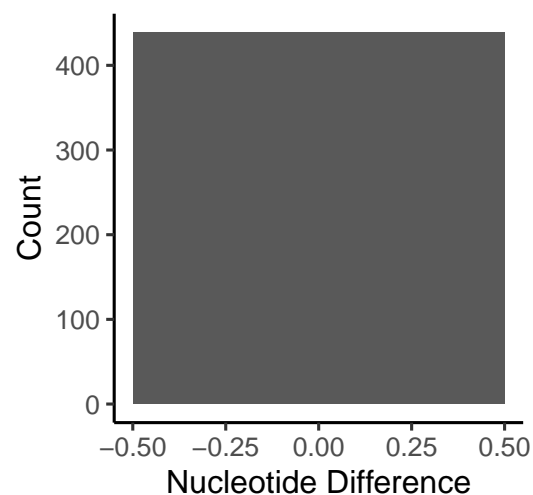
TRBV7-2*ap01

8433 sequences assigned
8422 (99.9%) exact matches, in which:
8420 unique CDR3
13 unique J



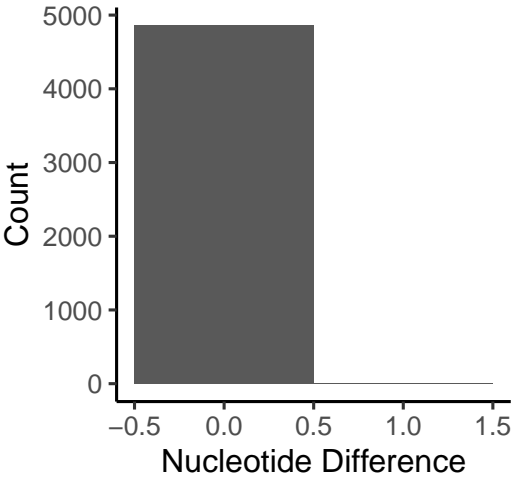
TRBV7-4*ap01

439 sequences assigned
439 (100%) exact matches, in which:
439 unique CDR3
13 unique J



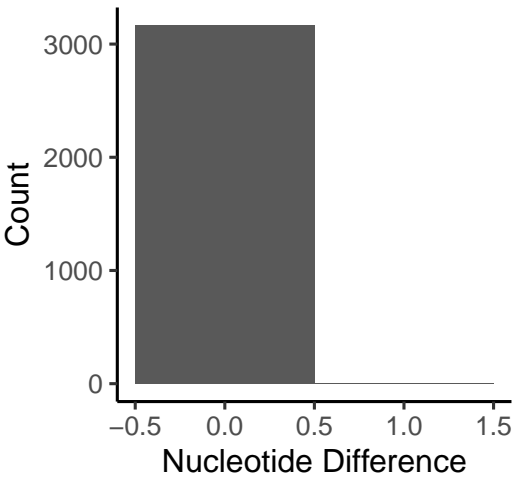
TRBV7-6*ap01

4868 sequences assigned
4860 (99.8%) exact matches, in which:
4860 unique CDR3
13 unique J



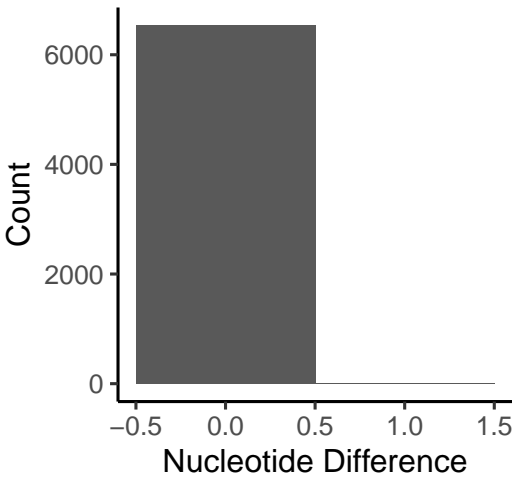
TRBV7-8*ap01

3168 sequences assigned
3165 (99.9%) exact matches, in which:
3164 unique CDR3
13 unique J



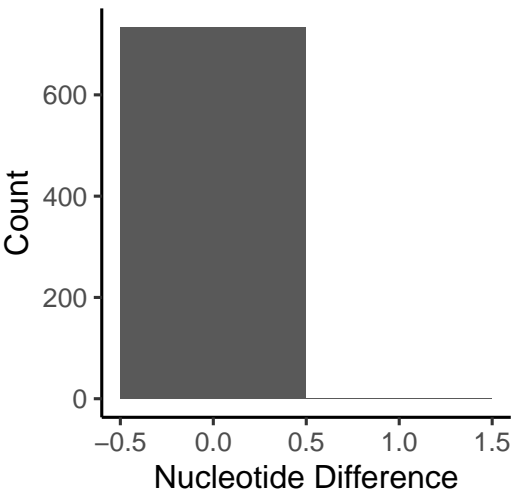
TRBV29-1*ap01

6551 sequences assigned
6535 (99.8%) exact matches, in which:
6519 unique CDR3
13 unique J



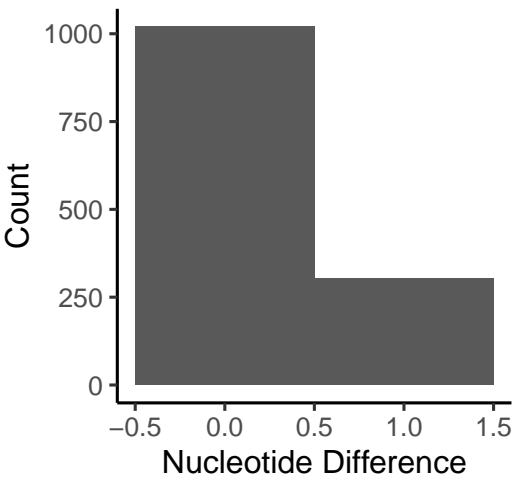
TRBV7-7*ap01

735 sequences assigned
734 (99.9%) exact matches, in which:
733 unique CDR3
13 unique J



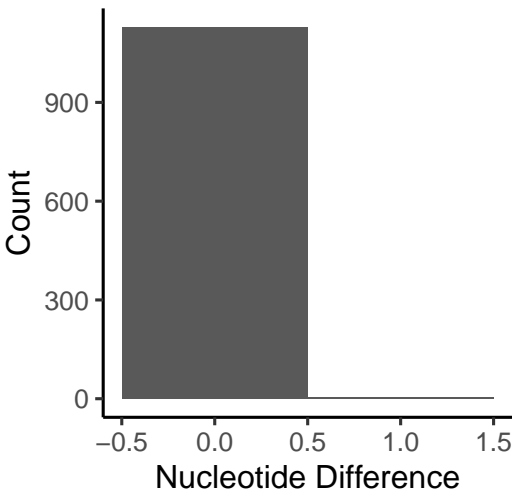
TRBV7-8*ap03

1323 sequences assigned
1020 (77.1%) exact matches, in which:
1020 unique CDR3
13 unique J



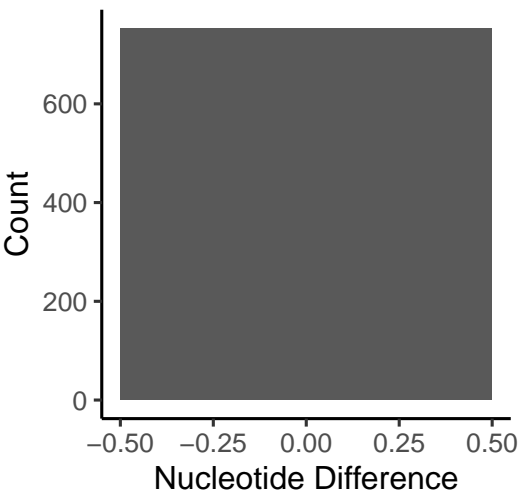
TRBV29-1*ap02

1134 sequences assigned
1129 (99.6%) exact matches, in which:
1128 unique CDR3
13 unique J



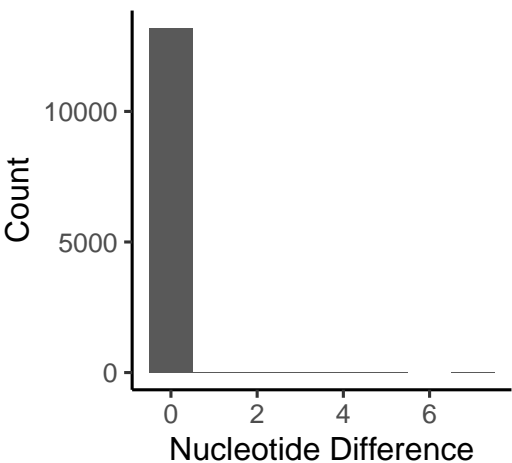
TRBV7-7*ap01_C315T

753 sequences assigned
753 (100%) exact matches, in which:
753 unique CDR3
13 unique J

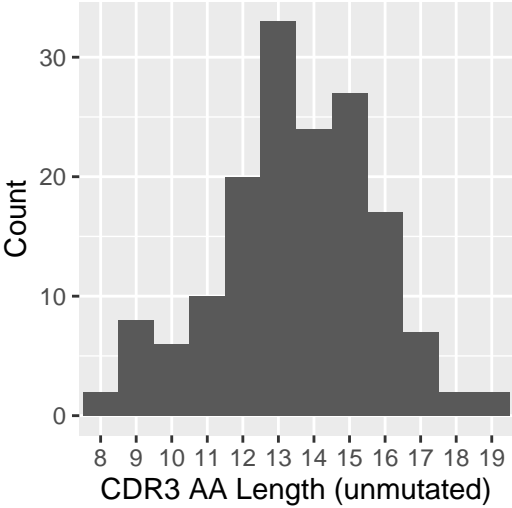


TRBV7-9*ap01

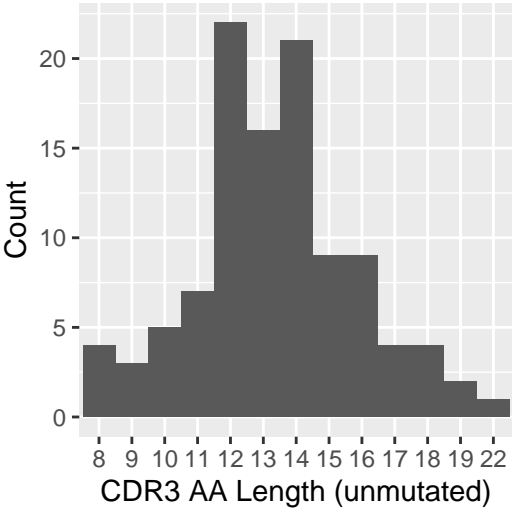
13223 sequences assigned
13202 (99.8%) exact matches, in which:
13201 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

