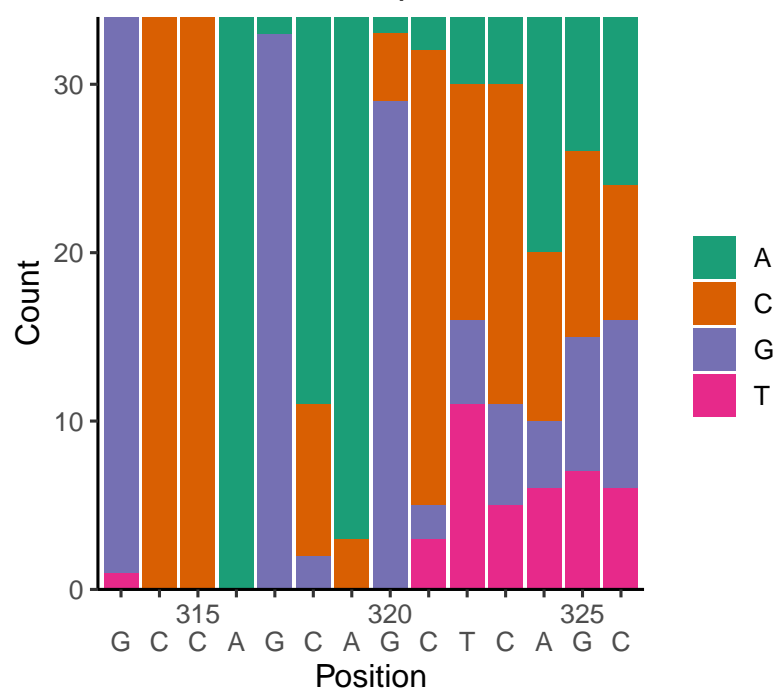
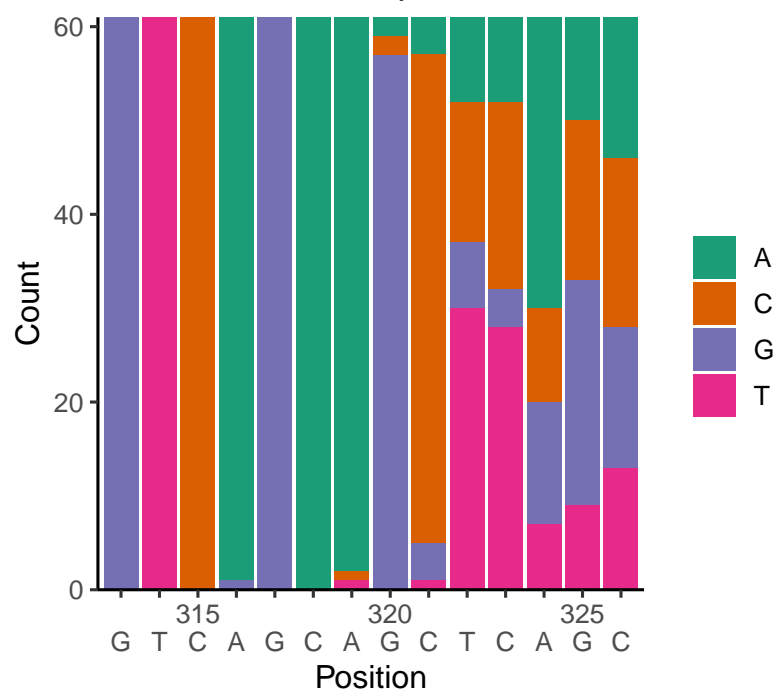


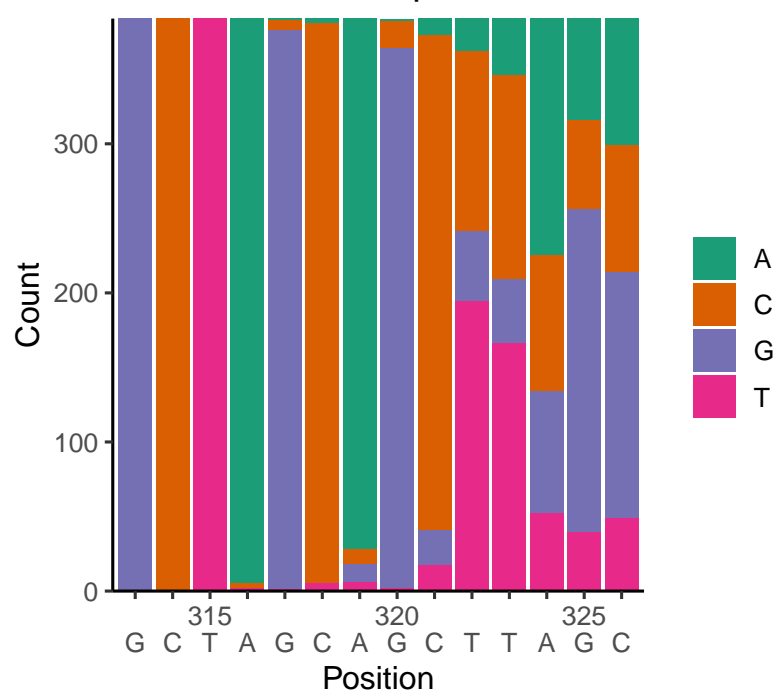
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-7*ap01_C315T



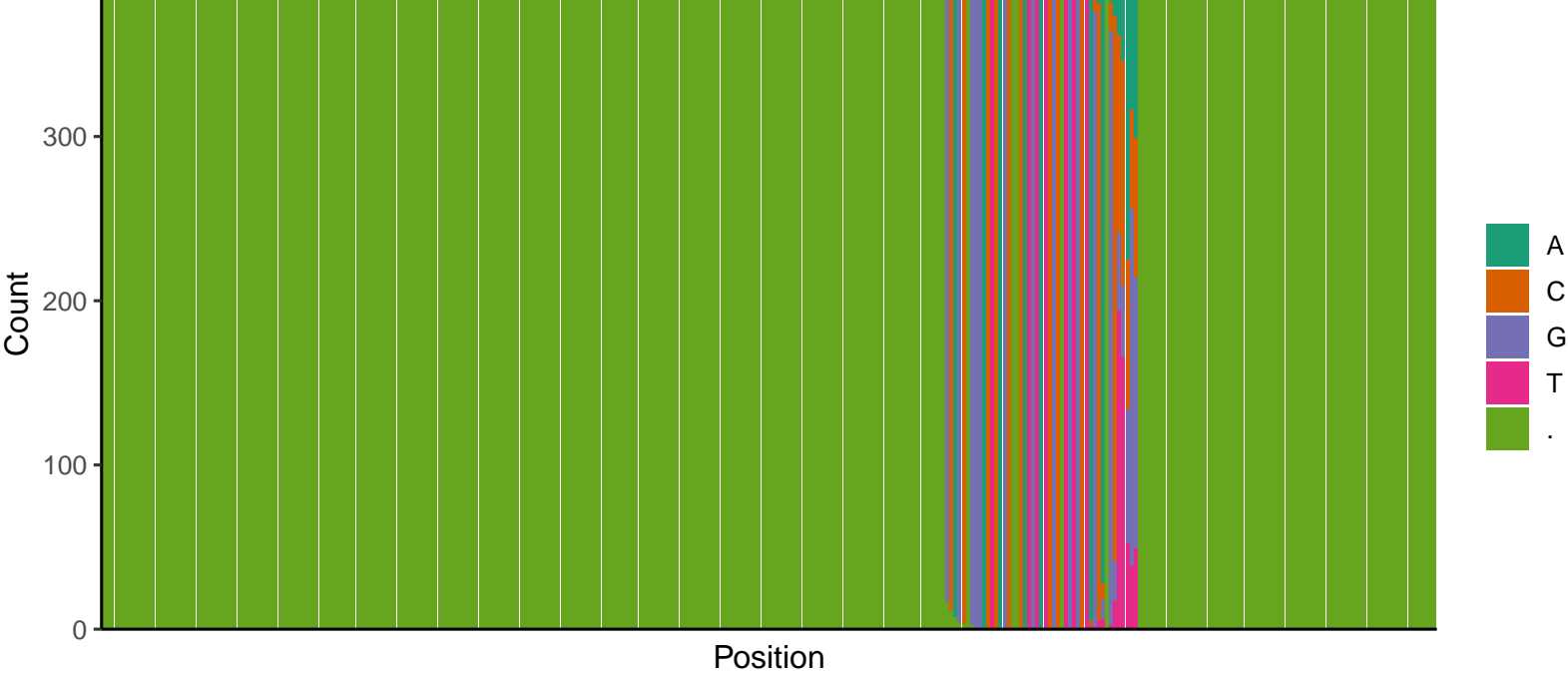
Gene TRBV7-1*ap01_T296C



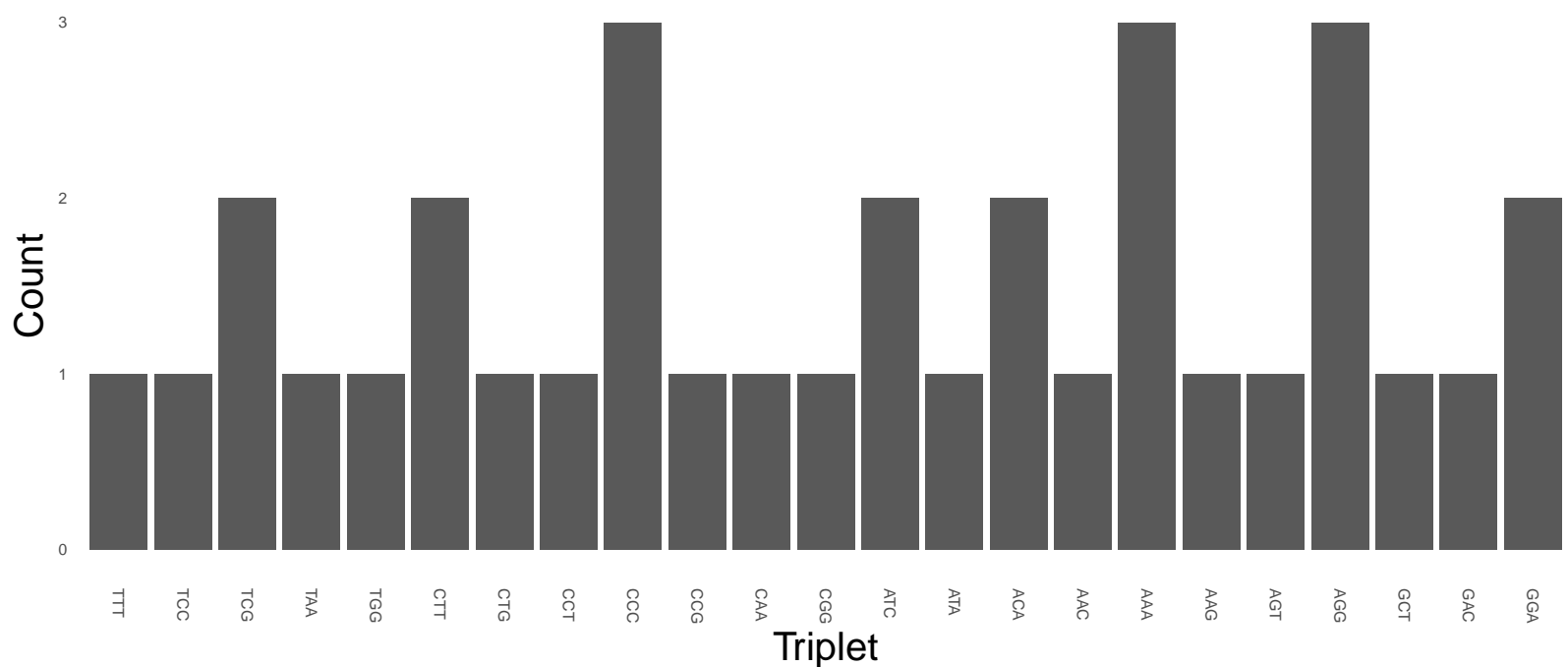
Gene TRBV7-1*ap01_T296C_C314T



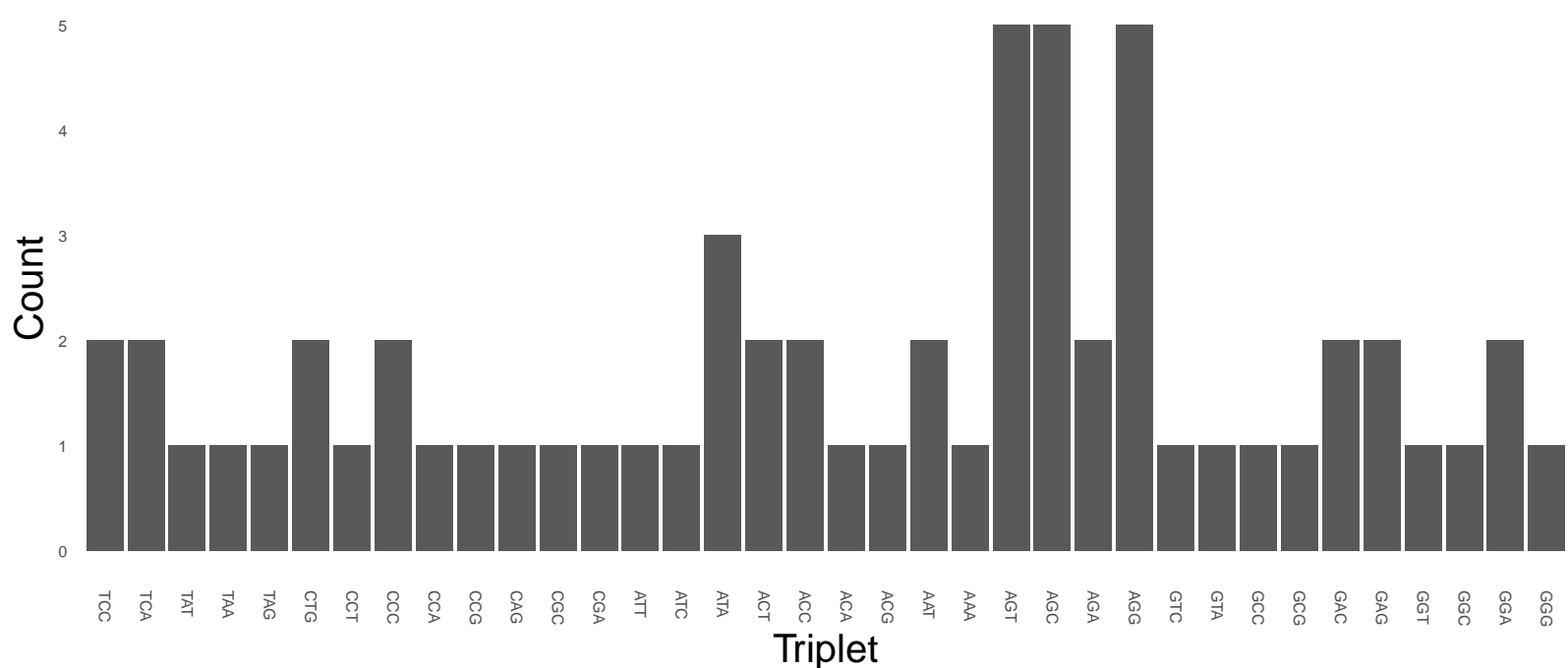
Gene TRBV7-7*ap01_C315T



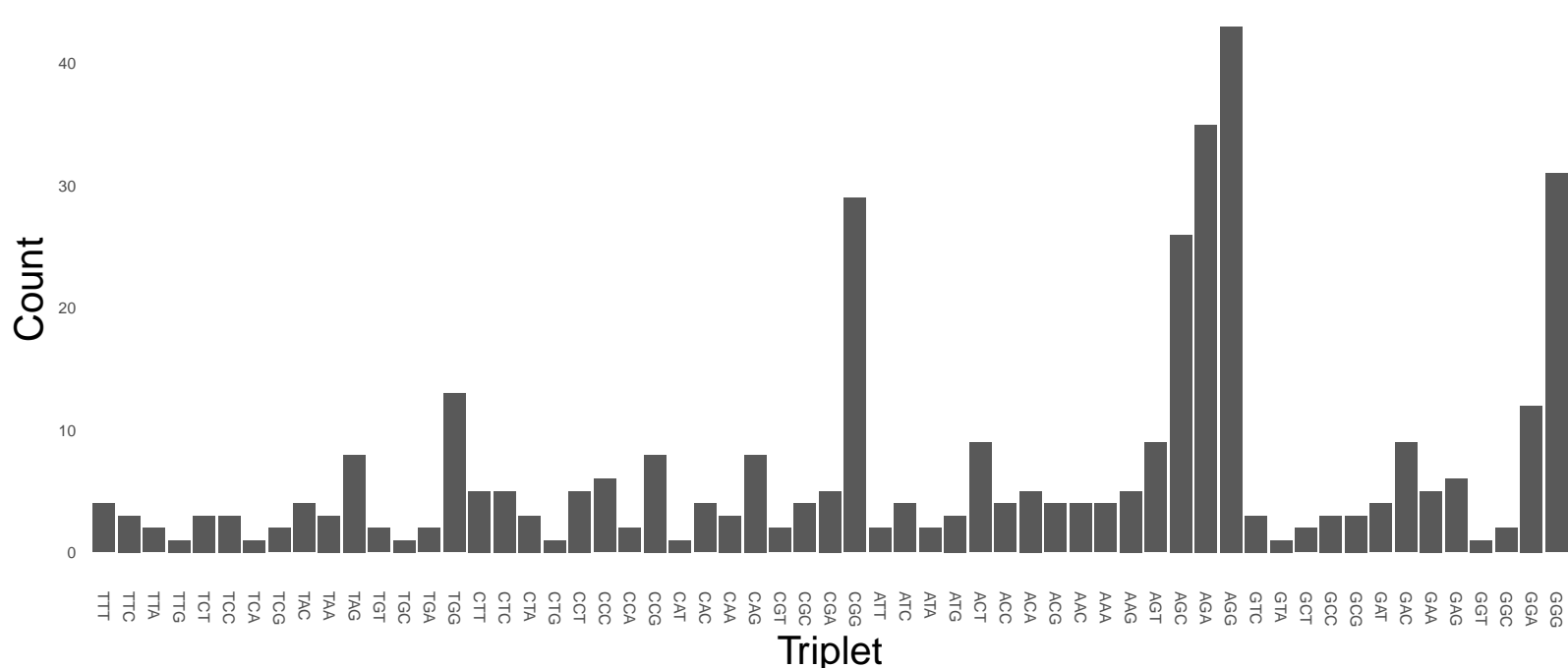
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

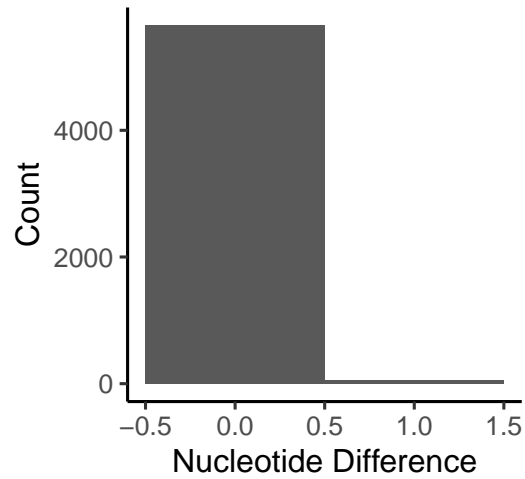


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



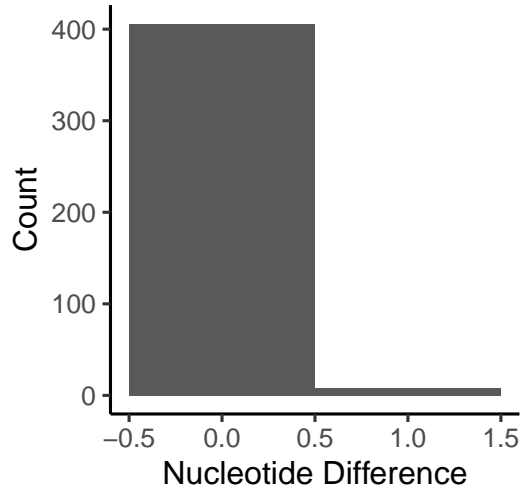
TRBV20-1*ap01

5710 sequences assigned
5656 (99.1%) exact matches, in which:
5603 unique CDR3
13 unique J



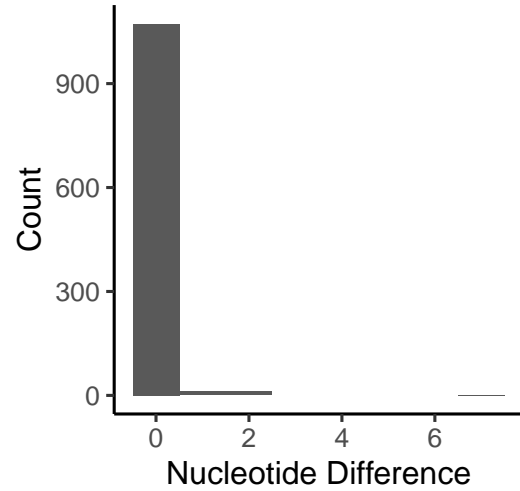
TRBV10-2*ap01

414 sequences assigned
406 (98.1%) exact matches, in which:
399 unique CDR3
13 unique J



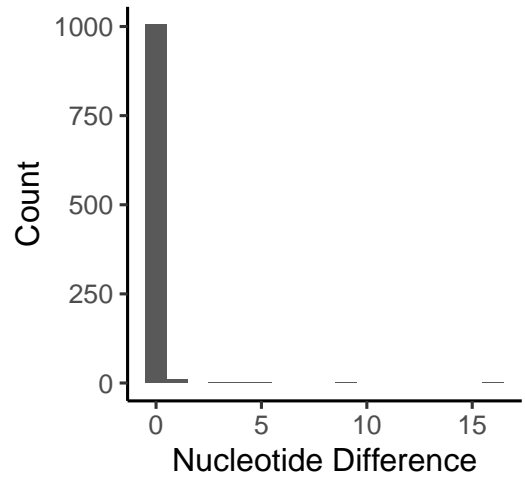
TRBV13*ap01

1096 sequences assigned
1073 (97.9%) exact matches, in which:
1062 unique CDR3
13 unique J



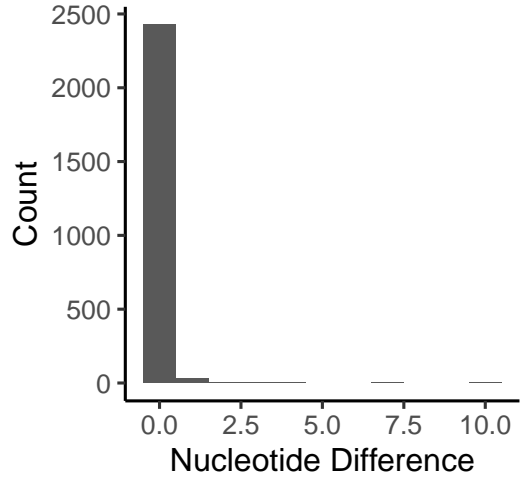
TRBV10-1*ap01

1021 sequences assigned
1005 (98.4%) exact matches, in which:
989 unique CDR3
13 unique J



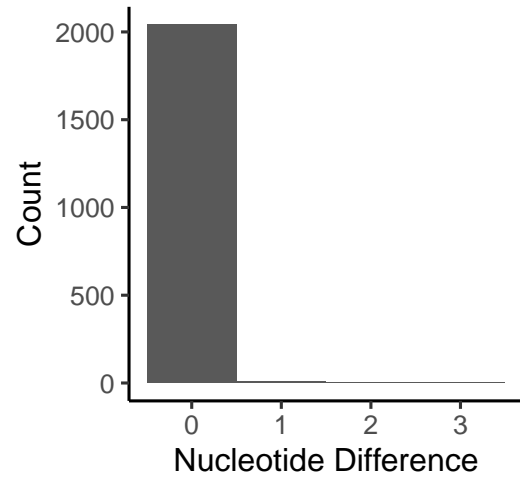
TRBV10-3*ap01

2461 sequences assigned
2427 (98.6%) exact matches, in which:
2396 unique CDR3
13 unique J



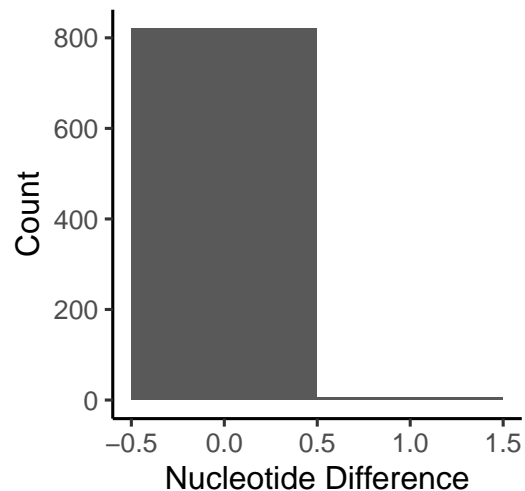
TRBV14*ap01

2056 sequences assigned
2041 (99.3%) exact matches, in which:
2023 unique CDR3
13 unique J



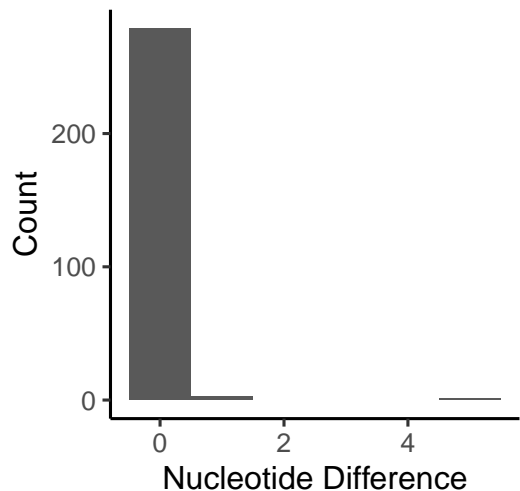
TRBV20-1*ap02

827 sequences assigned
821 (99.3%) exact matches, in which:
816 unique CDR3
13 unique J



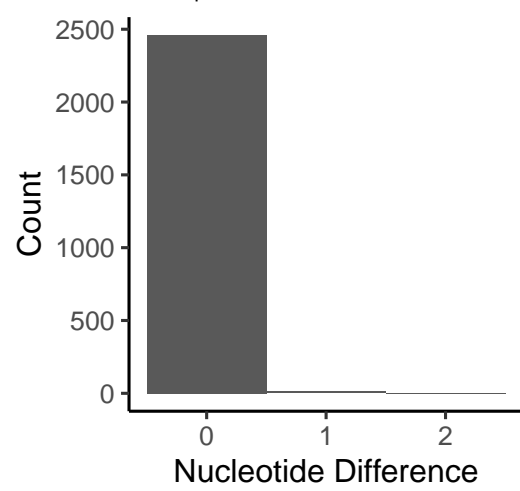
TRBV1*ap01

283 sequences assigned
279 (98.6%) exact matches, in which:
268 unique CDR3
13 unique J



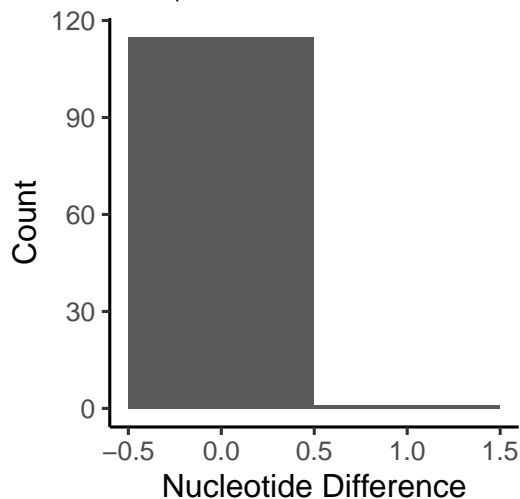
TRBV15*ap02

2473 sequences assigned
2460 (99.5%) exact matches, in which:
2426 unique CDR3
13 unique J



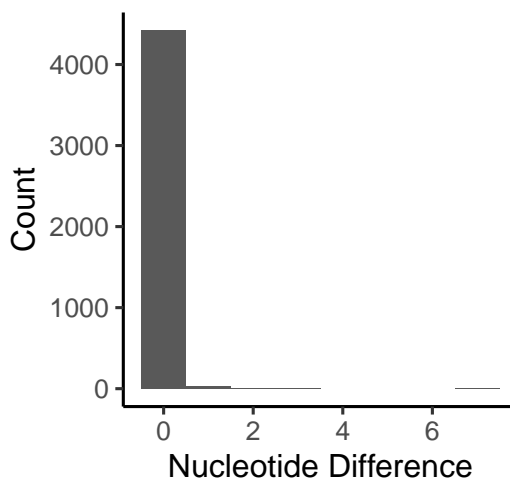
TRBV16*ap01

116 sequences assigned
115 (99.1%) exact matches, in which:
115 unique CDR3
13 unique J



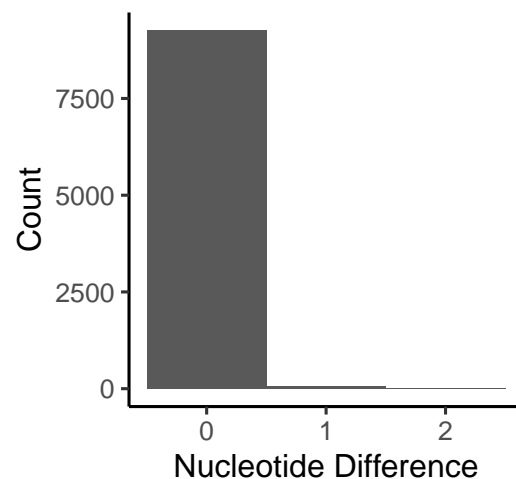
TRBV2*ap01

4460 sequences assigned
4421 (99.1%) exact matches, in which:
4376 unique CDR3
13 unique J



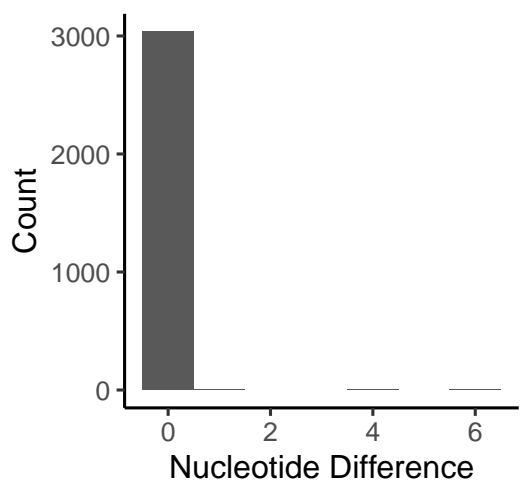
TRBV28*ap01

9320 sequences assigned
9259 (99.3%) exact matches, in which:
9183 unique CDR3
13 unique J



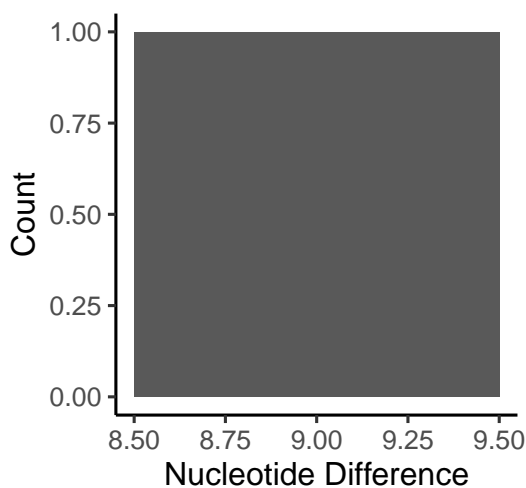
TRBV18*ap01

3045 sequences assigned
3036 (99.7%) exact matches, in which:
3017 unique CDR3
13 unique J



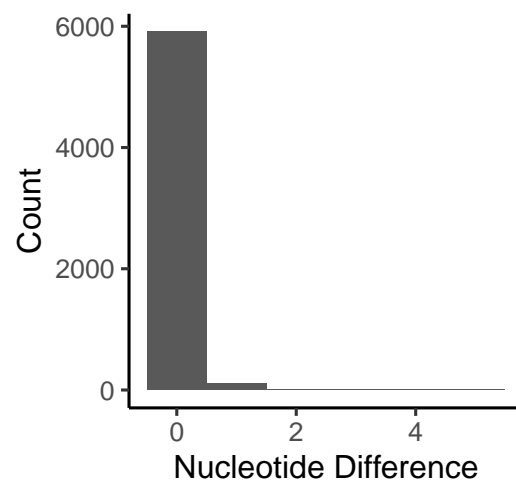
TRBV26*ap01

1 sequences assigned
No exact matches.



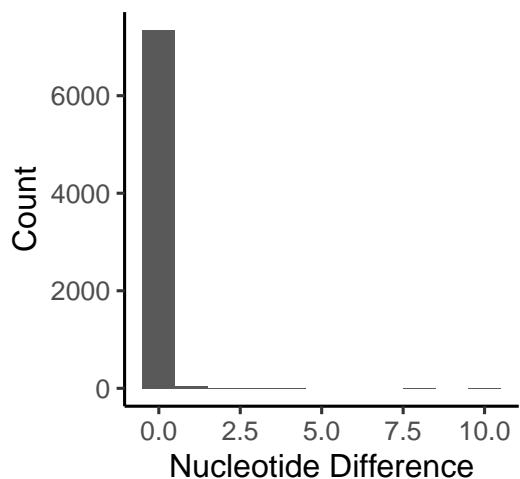
TRBV30*ap01

6024 sequences assigned
5910 (98.1%) exact matches, in which:
5764 unique CDR3
13 unique J



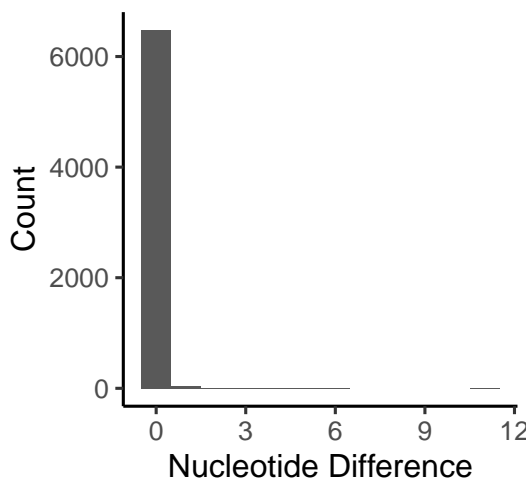
TRBV19*ap01

7411 sequences assigned
7346 (99.1%) exact matches, in which:
7300 unique CDR3
13 unique J



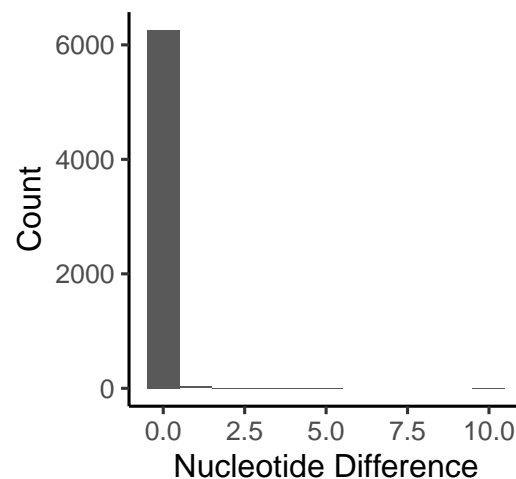
TRBV27*ap01

6530 sequences assigned
6479 (99.2%) exact matches, in which:
6391 unique CDR3
13 unique J



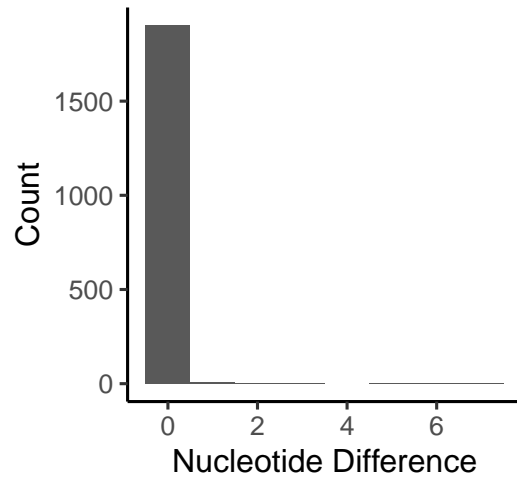
TRBV9*ap01

6296 sequences assigned
6259 (99.4%) exact matches, in which:
6208 unique CDR3
13 unique J



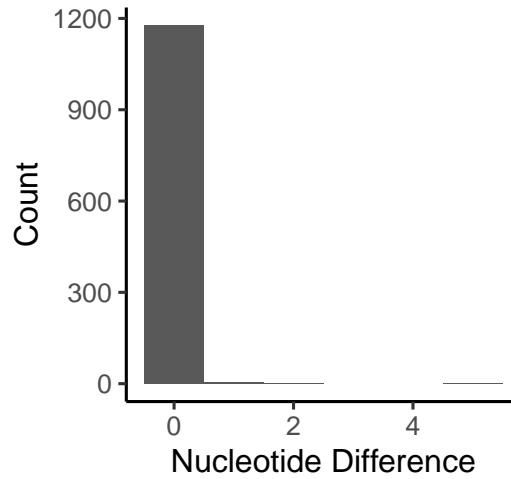
TRBV21-1*ap01

1926 sequences assigned
1902 (98.8%) exact matches, in which:
1894 unique CDR3
13 unique J



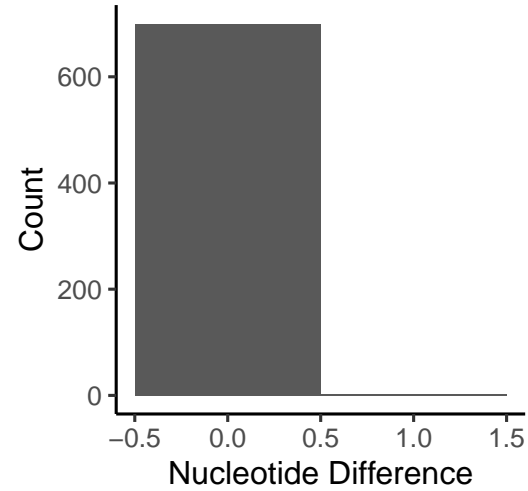
TRBV11-3*ap01

1186 sequences assigned
1177 (99.2%) exact matches, in which:
1170 unique CDR3
13 unique J



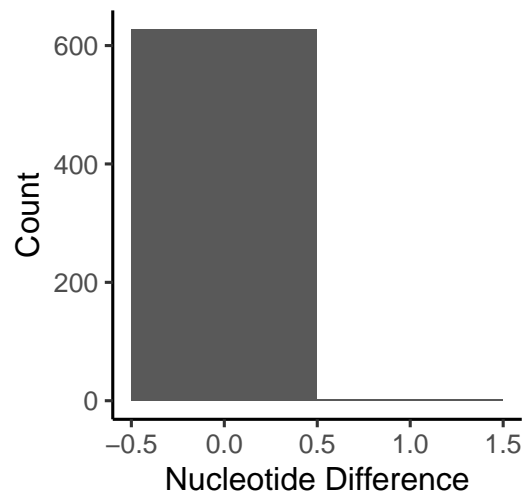
TRBV12-5*ap01

703 sequences assigned
700 (99.6%) exact matches, in which:
694 unique CDR3
13 unique J



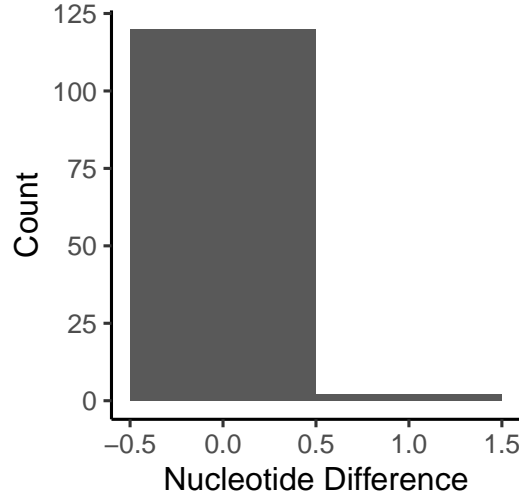
TRBV11-1*ap01

630 sequences assigned
628 (99.7%) exact matches, in which:
622 unique CDR3
13 unique J



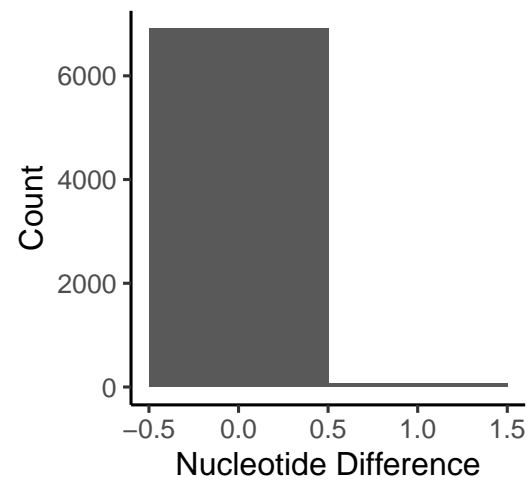
TRBV12-1*ap01

122 sequences assigned
120 (98.4%) exact matches, in which:
119 unique CDR3
12 unique J



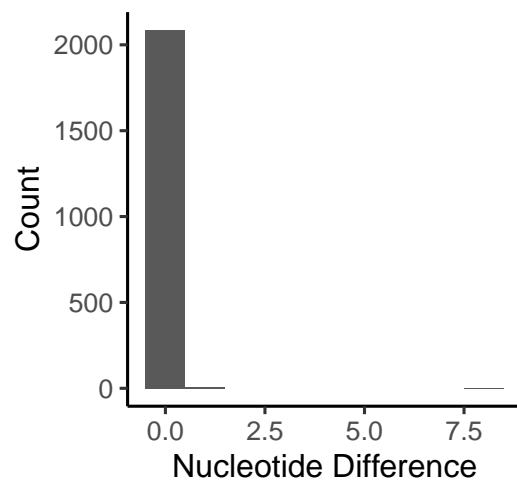
TRBV12-34*ap01

6979 sequences assigned
6908 (99%) exact matches, in which:
6844 unique CDR3
13 unique J



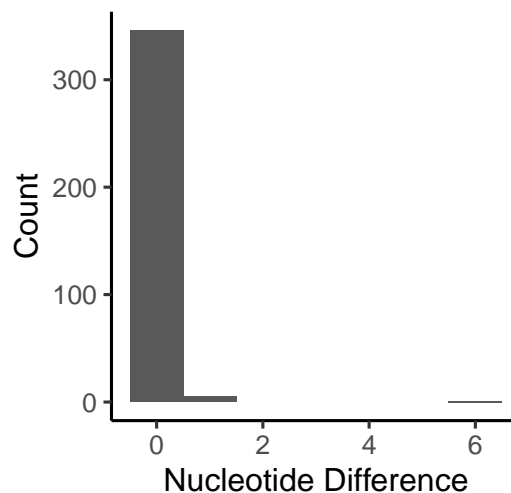
TRBV11-2*ap01

2093 sequences assigned
2086 (99.7%) exact matches, in which:
2080 unique CDR3
13 unique J



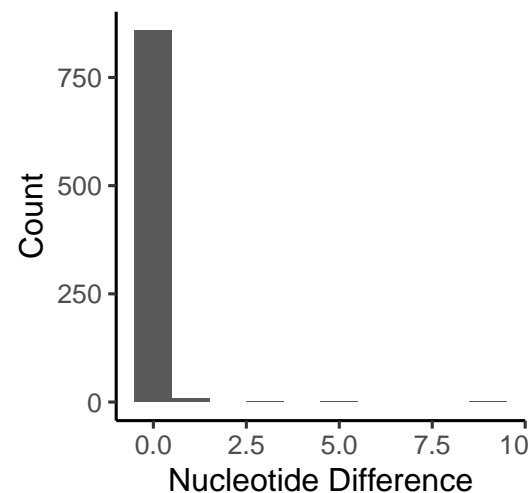
TRBV12-2*ap01

352 sequences assigned
346 (98.3%) exact matches, in which:
344 unique CDR3
13 unique J



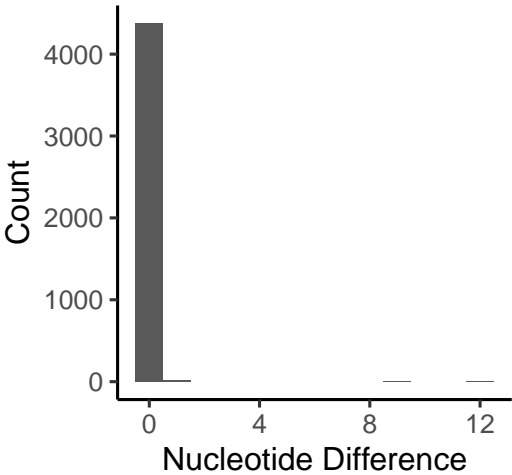
TRBV23-1*ap01

871 sequences assigned
859 (98.6%) exact matches, in which:
854 unique CDR3
13 unique J



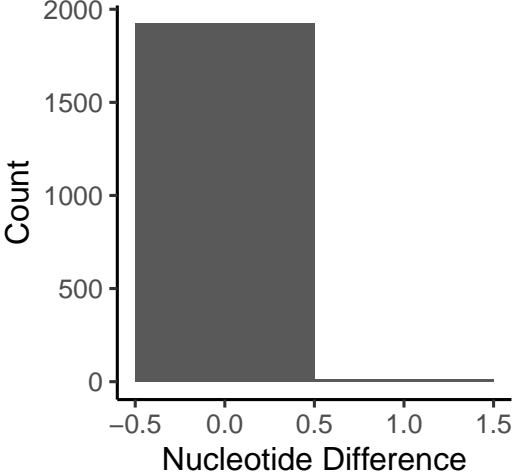
TRBV3-12*ap01

4400 sequences assigned
4375 (99.4%) exact matches, in which:
4344 unique CDR3
13 unique J



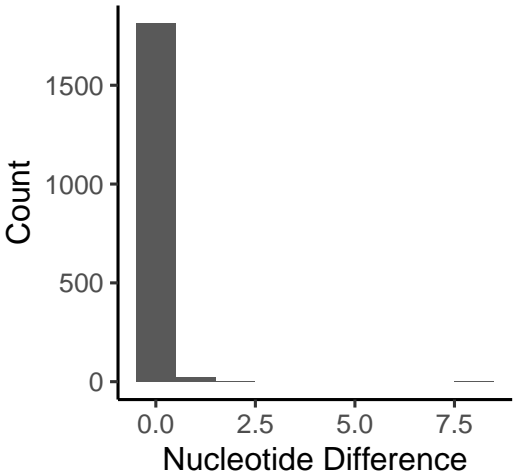
TRBV4-2*ap01

1936 sequences assigned
1924 (99.4%) exact matches, in which:
1895 unique CDR3
13 unique J



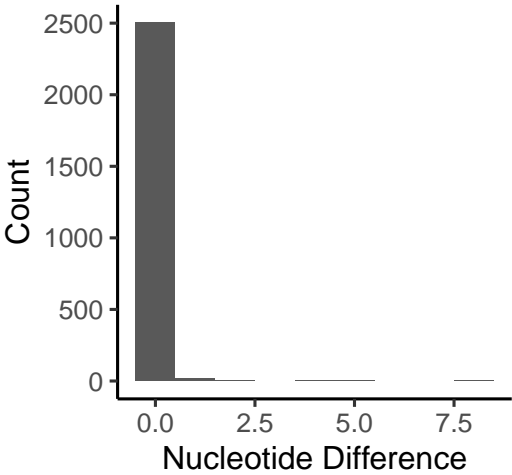
TRBV25-1*ap01

1840 sequences assigned
1813 (98.5%) exact matches, in which:
1787 unique CDR3
13 unique J



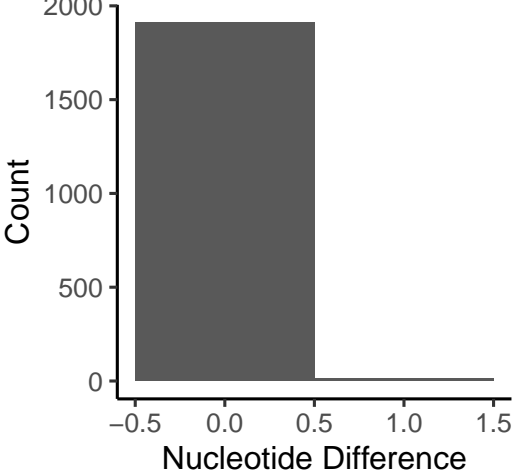
TRBV4-1*ap01

2524 sequences assigned
2503 (99.2%) exact matches, in which:
2468 unique CDR3
13 unique J



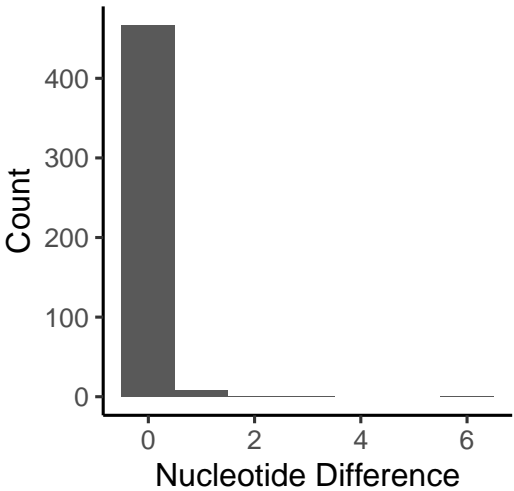
TRBV4-3*ap01

1921 sequences assigned
1910 (99.4%) exact matches, in which:
1885 unique CDR3
13 unique J



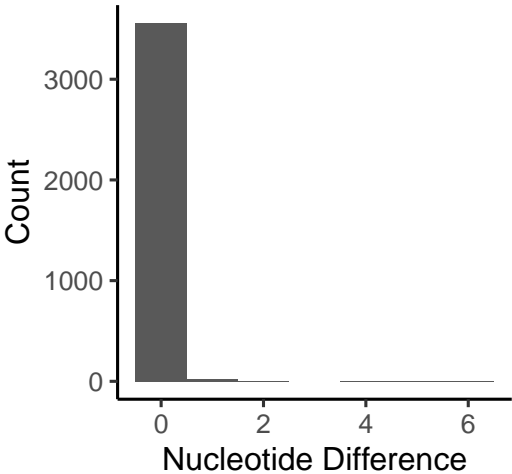
TRBV5-3*ap01

478 sequences assigned
467 (97.7%) exact matches, in which:
462 unique CDR3
13 unique J



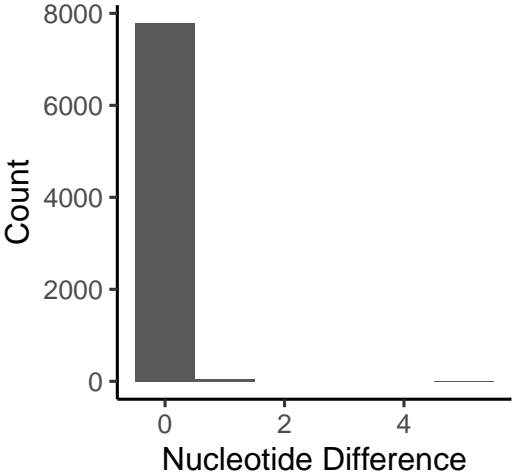
TRBV24-1*ap01

3586 sequences assigned
3558 (99.2%) exact matches, in which:
3513 unique CDR3
13 unique J



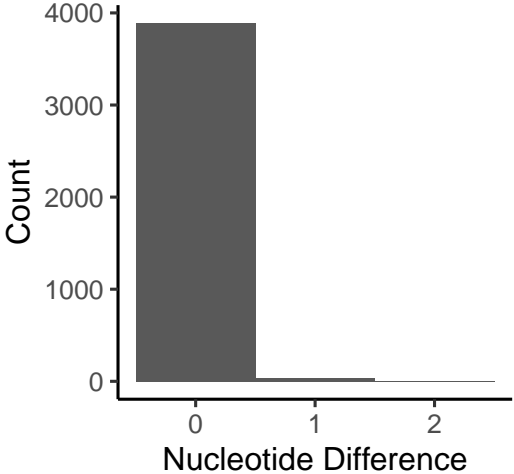
TRBV5-1*ap01

7845 sequences assigned
7789 (99.3%) exact matches, in which:
7678 unique CDR3
13 unique J



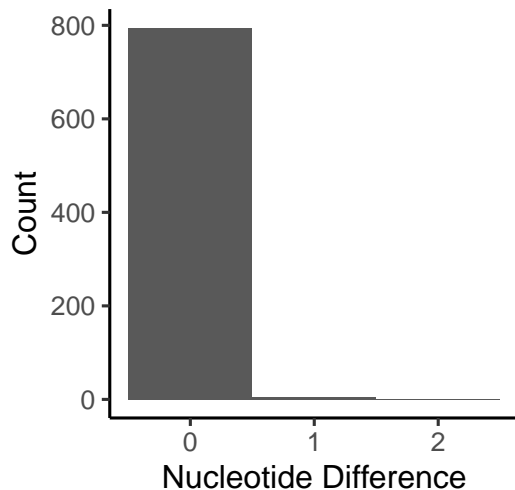
TRBV5-4*ap01

3925 sequences assigned
3890 (99.1%) exact matches, in which:
3849 unique CDR3
13 unique J



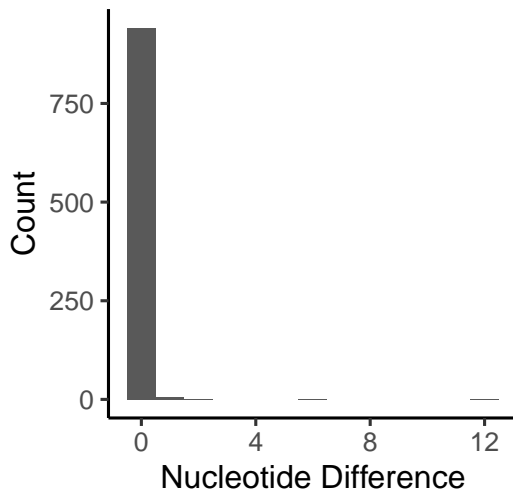
TRBV5-5*ap01

801 sequences assigned
795 (99.3%) exact matches, in which:
792 unique CDR3
13 unique J



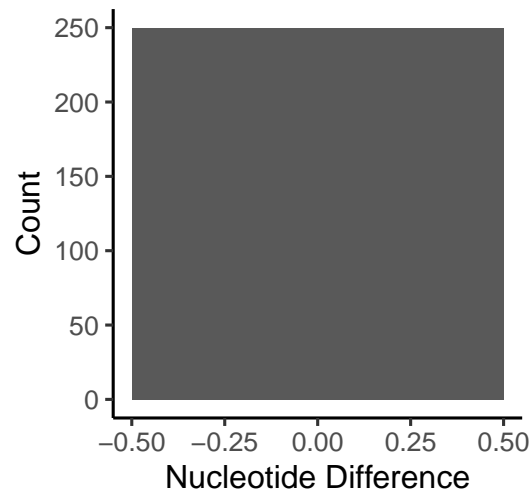
TRBV5-8*ap01

951 sequences assigned
942 (99.1%) exact matches, in which:
933 unique CDR3
13 unique J



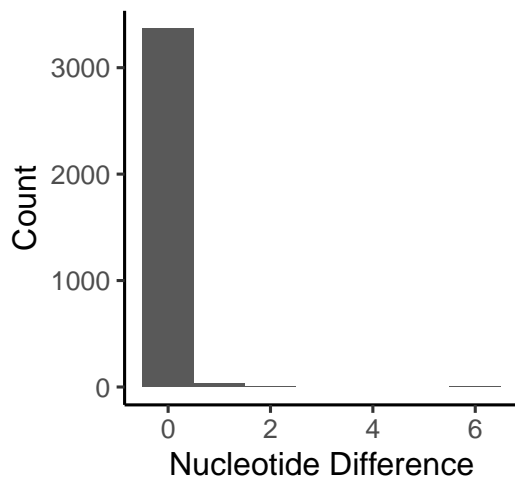
TRBV6-7*ap01

250 sequences assigned
250 (100%) exact matches, in which:
246 unique CDR3
13 unique J



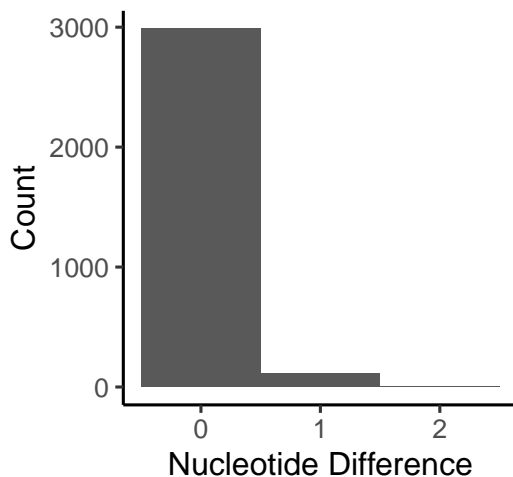
TRBV5-6*ap01

3404 sequences assigned
3366 (98.9%) exact matches, in which:
3282 unique CDR3
13 unique J



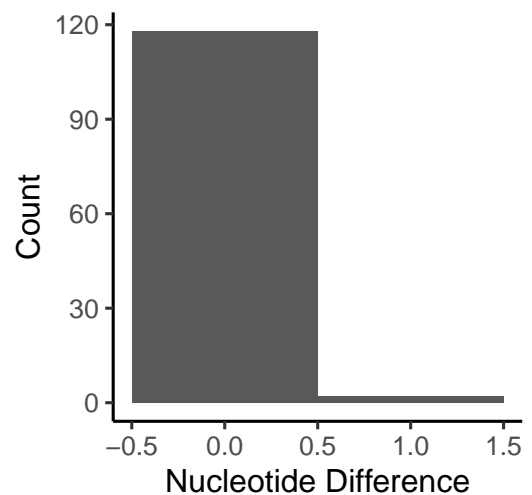
TRBV6-1*ap01

3101 sequences assigned
2987 (96.3%) exact matches, in which:
2937 unique CDR3
13 unique J



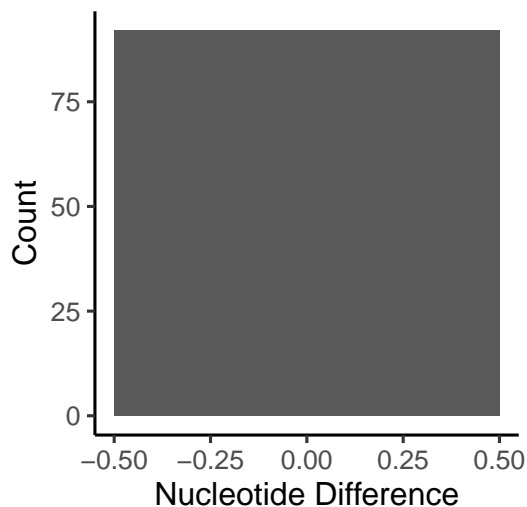
TRBV6-8*ap01

120 sequences assigned
118 (98.3%) exact matches, in which:
114 unique CDR3
12 unique J



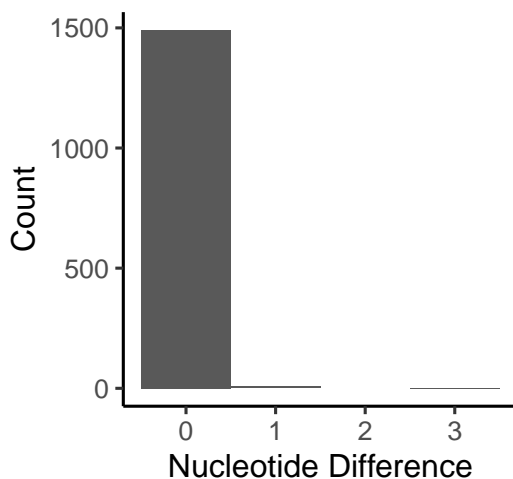
TRBV5-7*ap01

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



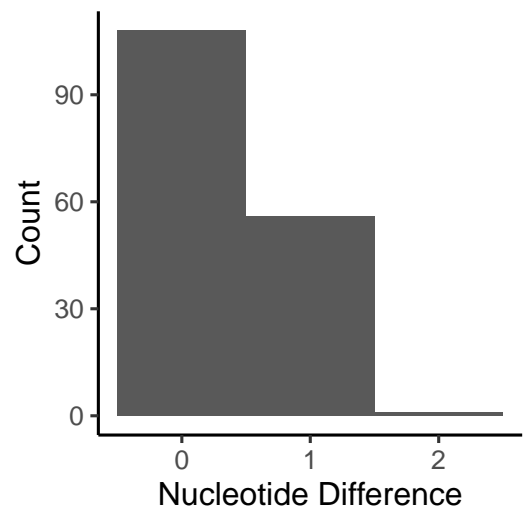
TRBV6-4*ap01

1500 sequences assigned
1491 (99.4%) exact matches, in which:
1470 unique CDR3
13 unique J



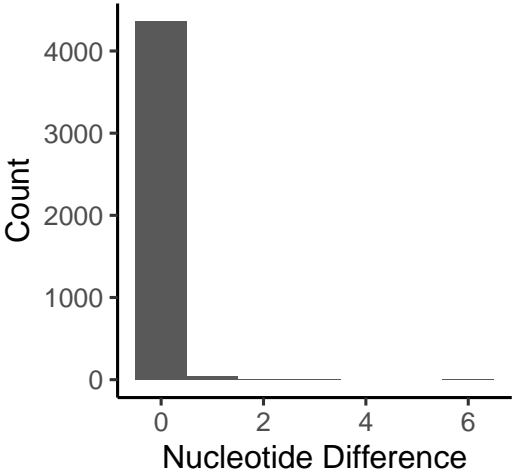
TRBV6-9*ap01

165 sequences assigned
108 (65.5%) exact matches, in which:
106 unique CDR3
13 unique J



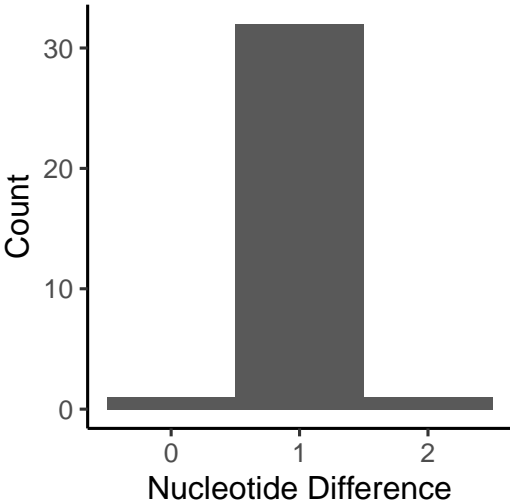
TRBV6-23*ap01

4404 sequences assigned
4360 (99%) exact matches, in which:
4277 unique CDR3
13 unique J



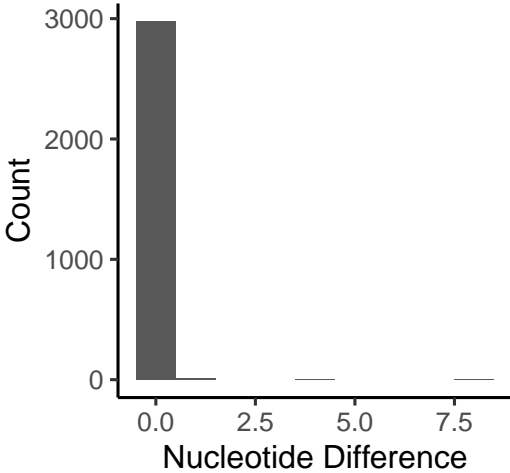
TRBV7-1*ap01_T296C

34 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



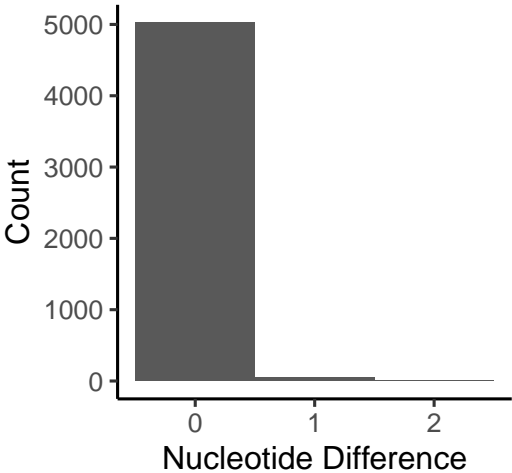
TRBV7-3*ap01

2993 sequences assigned
2977 (99.5%) exact matches, in which:
2955 unique CDR3
13 unique J



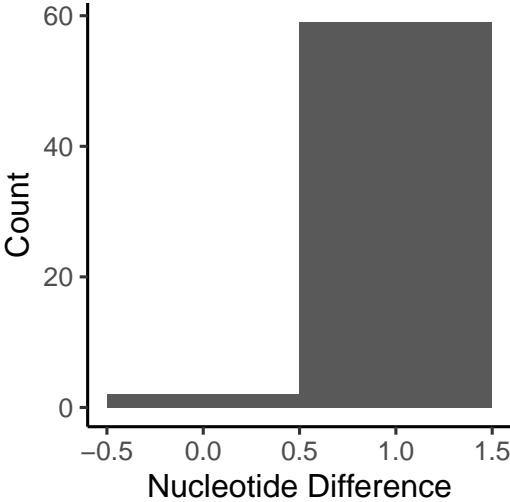
TRBV6-56*ap01

5070 sequences assigned
5024 (99.1%) exact matches, in which:
4928 unique CDR3
13 unique J



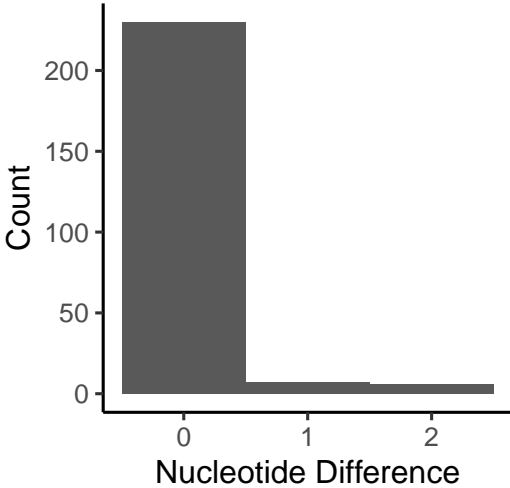
TRBV7-1*ap01_T296C_C

61 sequences assigned
2 (3.3%) exact matches, in which:
2 unique CDR3
2 unique J



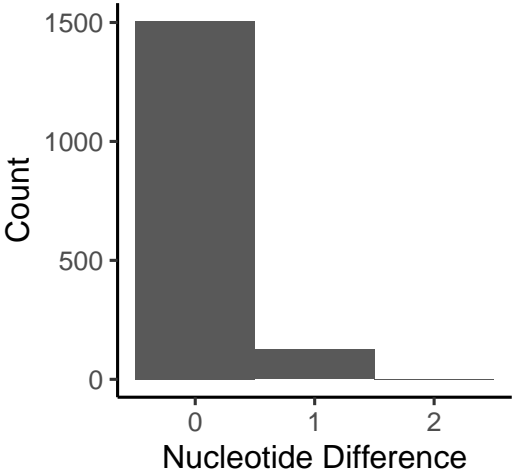
TRBV7-4*ap01

243 sequences assigned
230 (94.7%) exact matches, in which:
228 unique CDR3
13 unique J



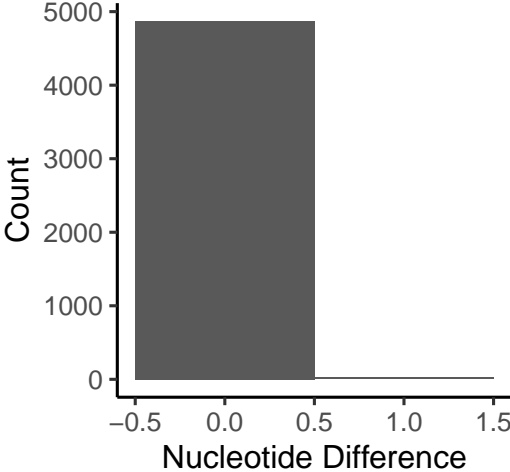
TRBV6-56*ap02

1632 sequences assigned
1506 (92.3%) exact matches, in which:
1478 unique CDR3
13 unique J



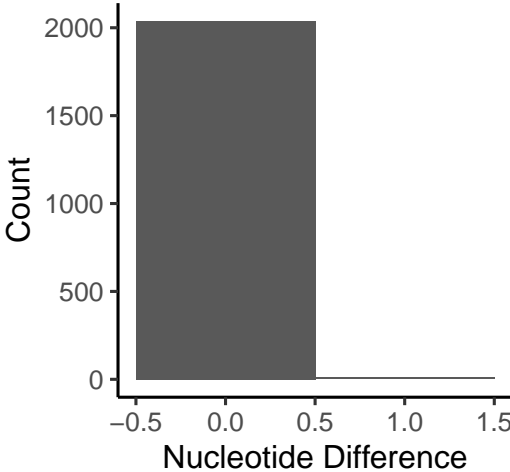
TRBV7-2*ap01

4899 sequences assigned
4872 (99.4%) exact matches, in which:
4826 unique CDR3
13 unique J



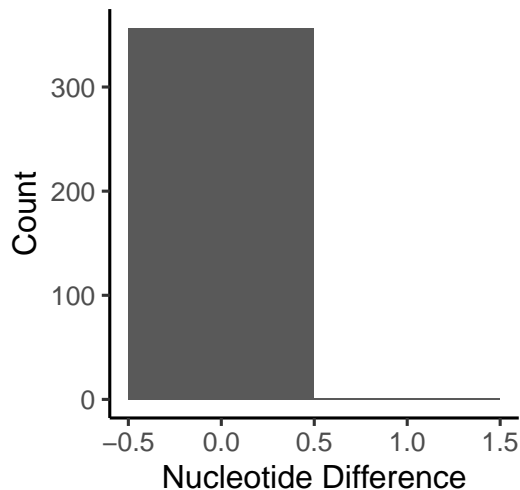
TRBV7-6*ap01

2048 sequences assigned
2038 (99.5%) exact matches, in which:
2025 unique CDR3
13 unique J



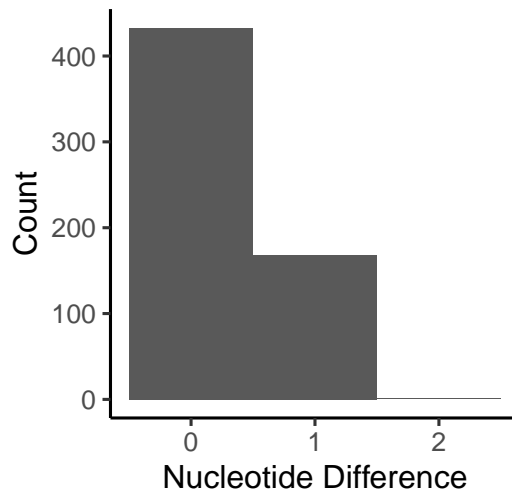
TRBV7-7*ap01

358 sequences assigned
357 (99.7%) exact matches, in which:
352 unique CDR3
13 unique J



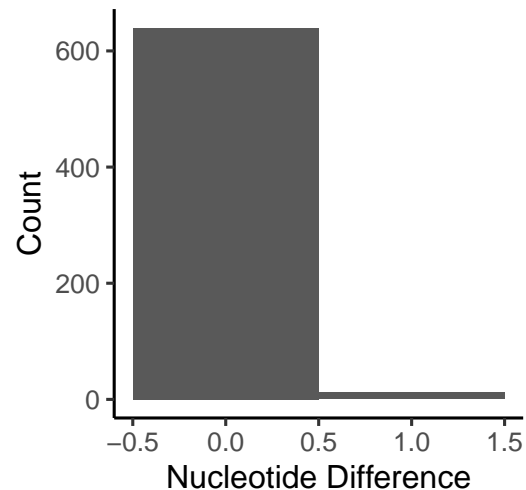
TRBV7-8*ap03

602 sequences assigned
433 (71.9%) exact matches, in which:
429 unique CDR3
13 unique J



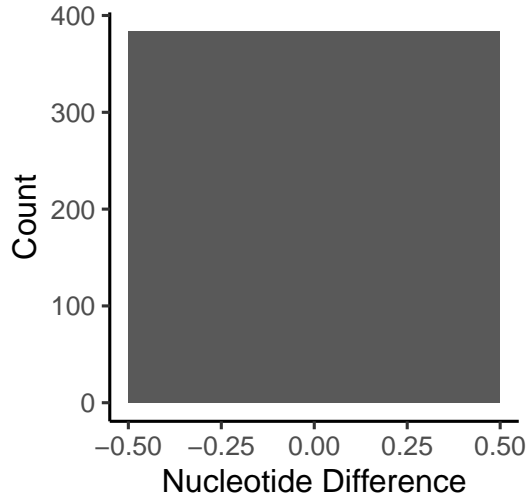
TRBV29-1*ap02

652 sequences assigned
640 (98.2%) exact matches, in which:
624 unique CDR3
13 unique J



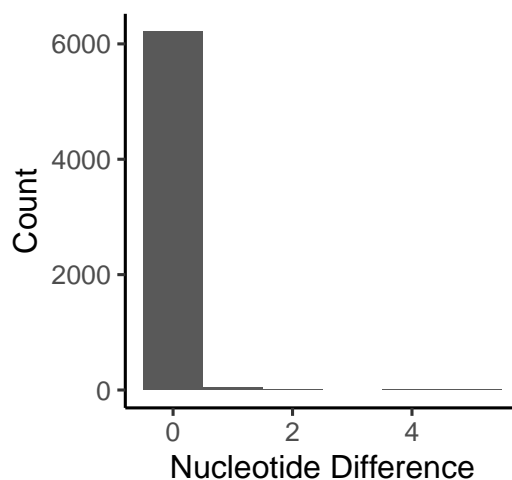
TRBV7-7*ap01_C315T

384 sequences assigned
384 (100%) exact matches, in which:
382 unique CDR3
12 unique J



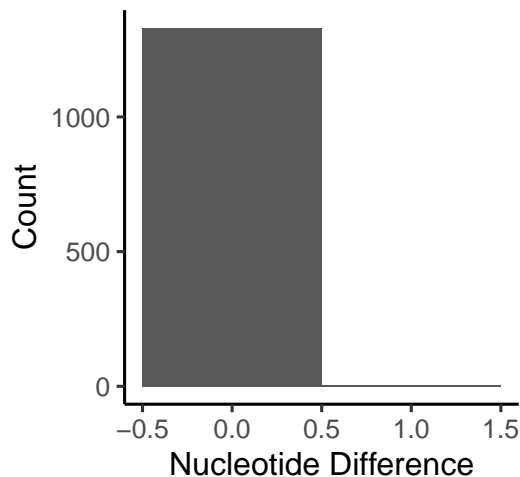
TRBV7-9*ap01

6251 sequences assigned
6211 (99.4%) exact matches, in which:
6136 unique CDR3
13 unique J



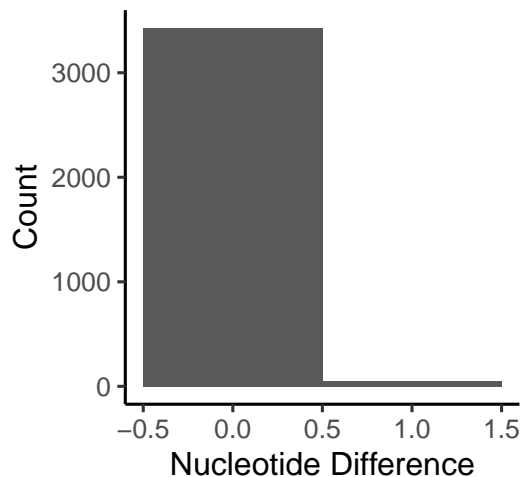
TRBV7-8*ap01

1334 sequences assigned
1330 (99.7%) exact matches, in which:
1319 unique CDR3
13 unique J

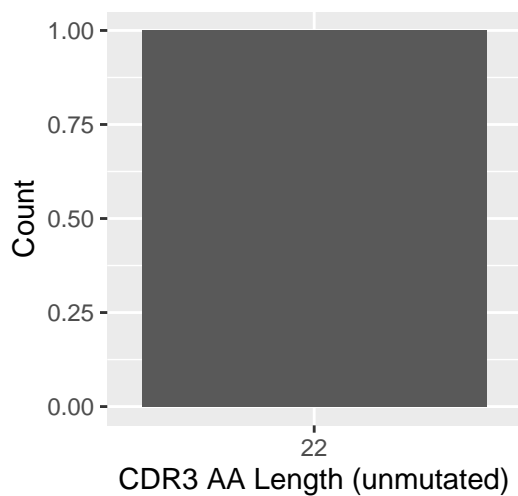


TRBV29-1*ap01

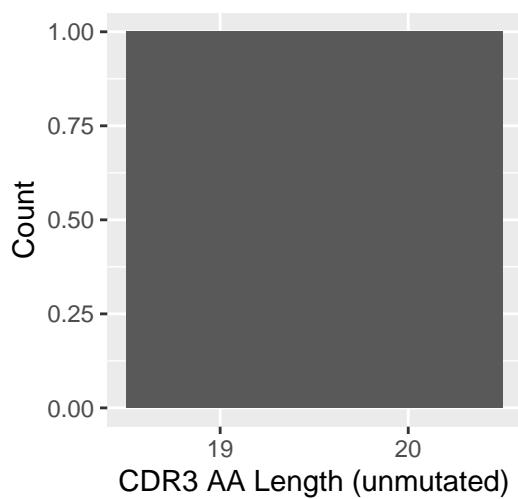
3477 sequences assigned
3428 (98.6%) exact matches, in which:
3346 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

