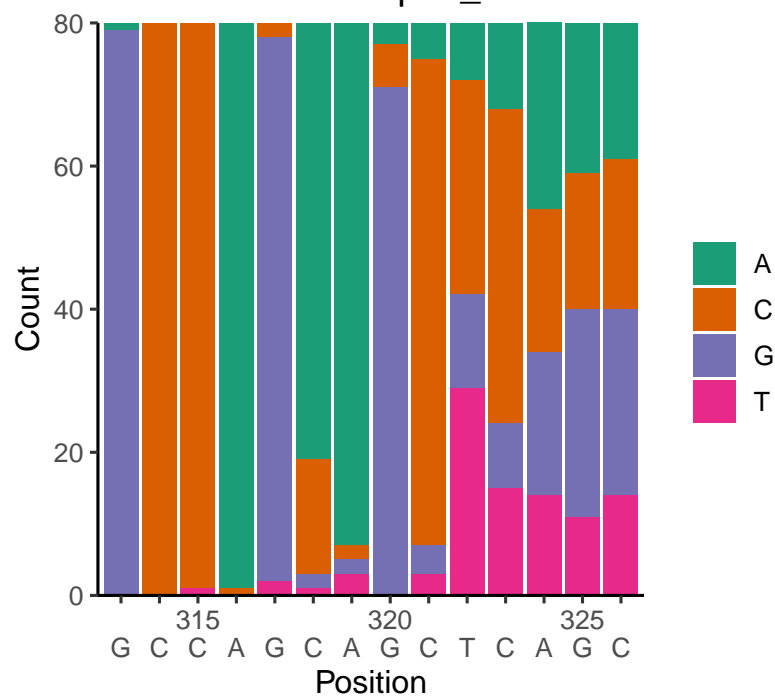
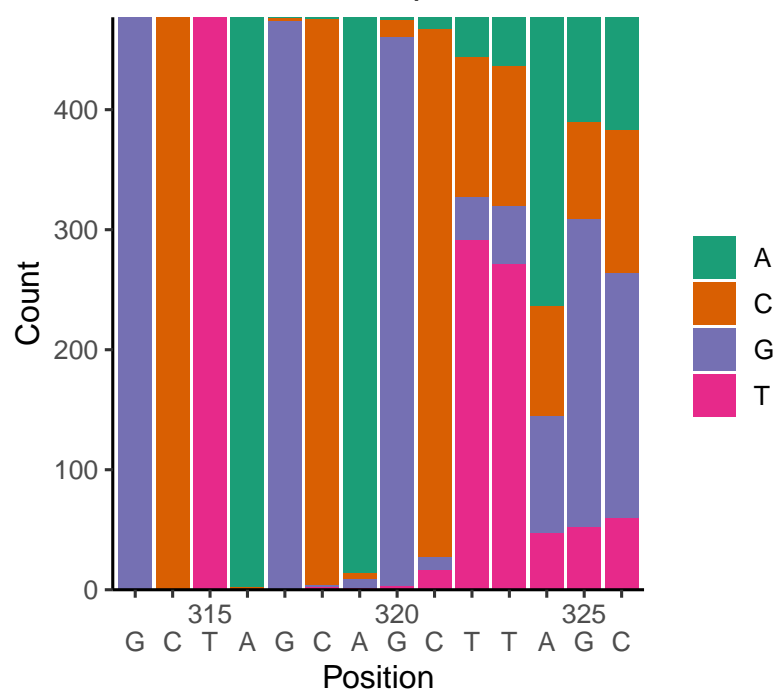


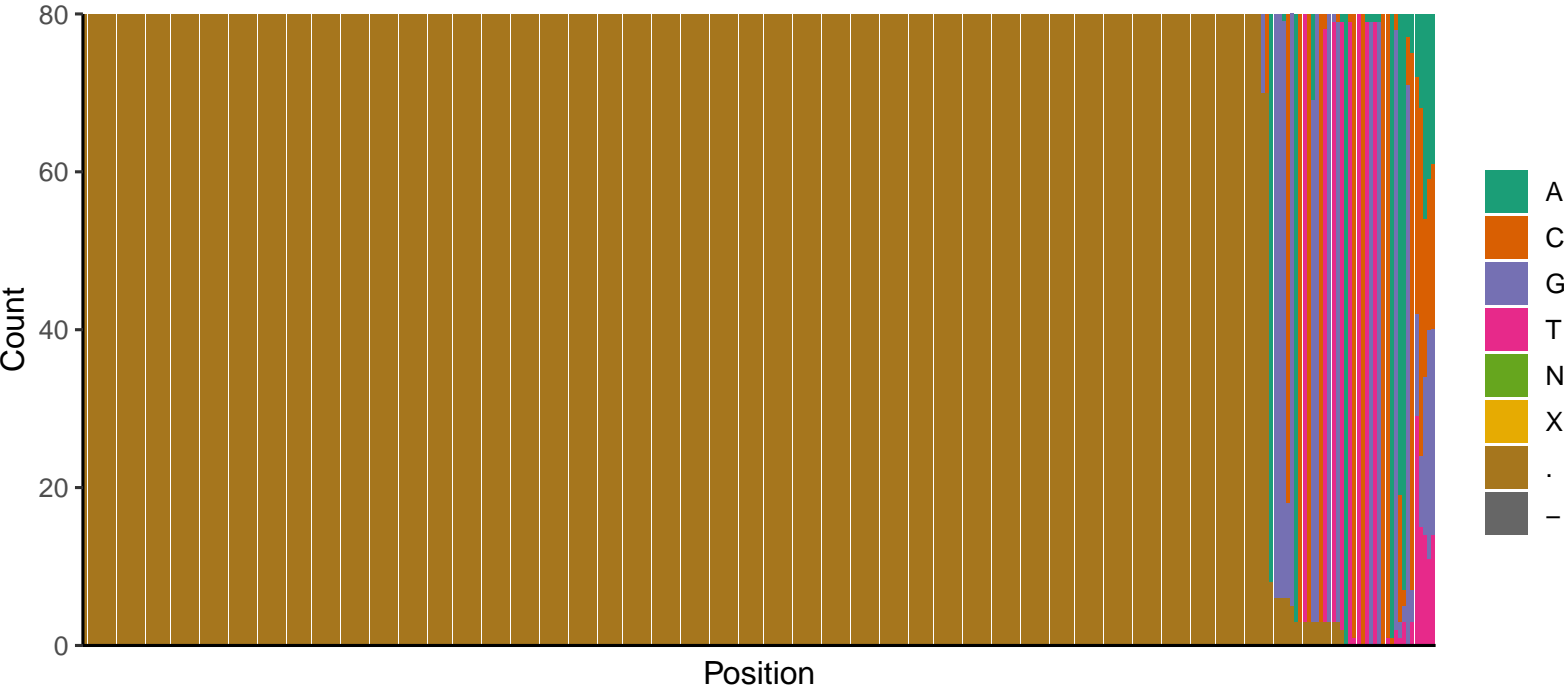
Gene TRBV7-1*ap01_T296C



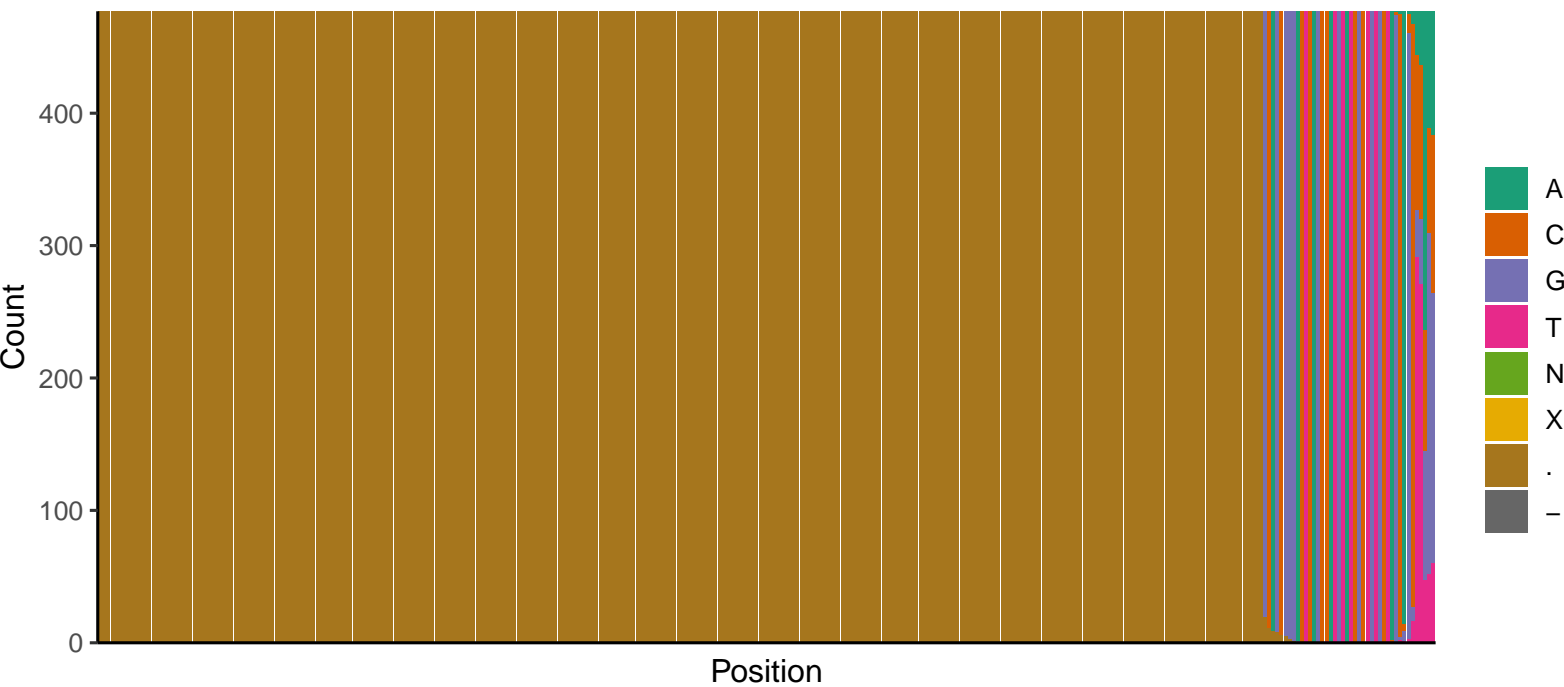
Gene TRBV7-7*ap01_C315T



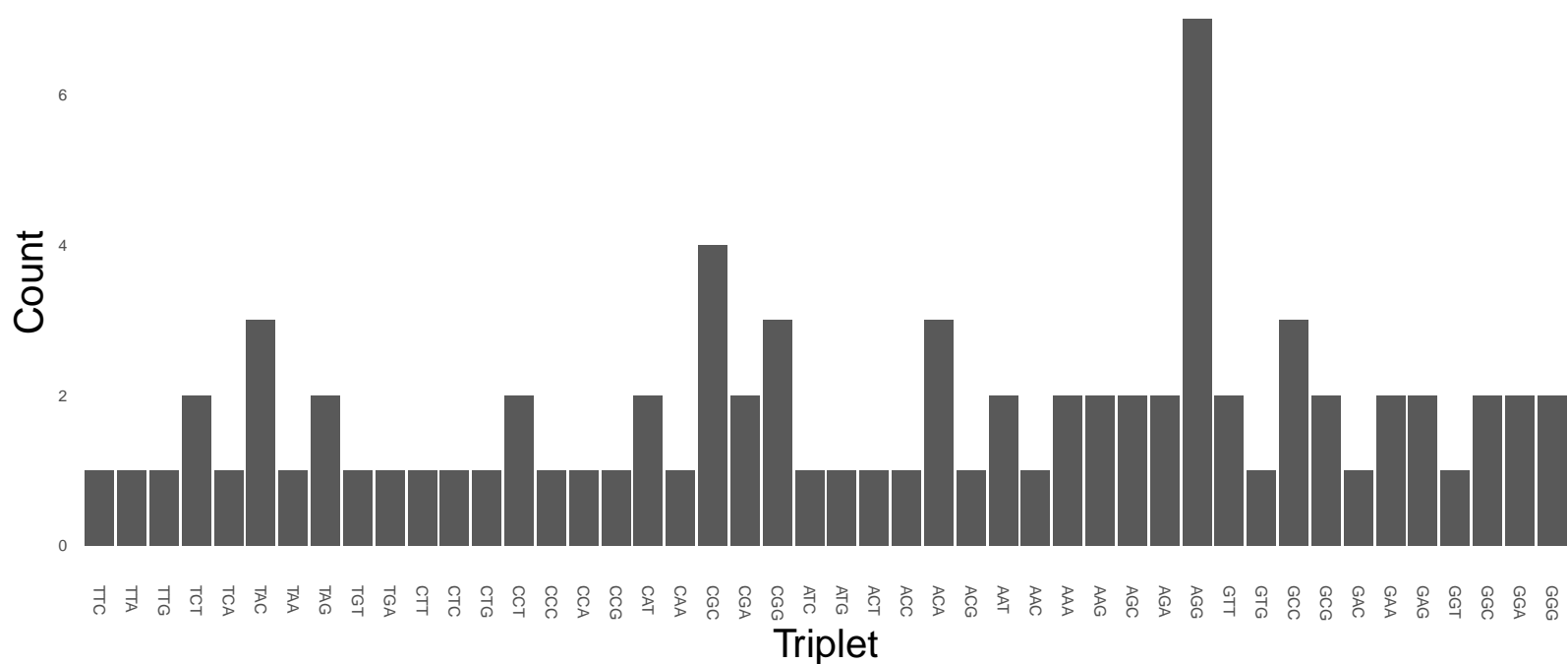
Gene TRBV7-1*ap01_T296C



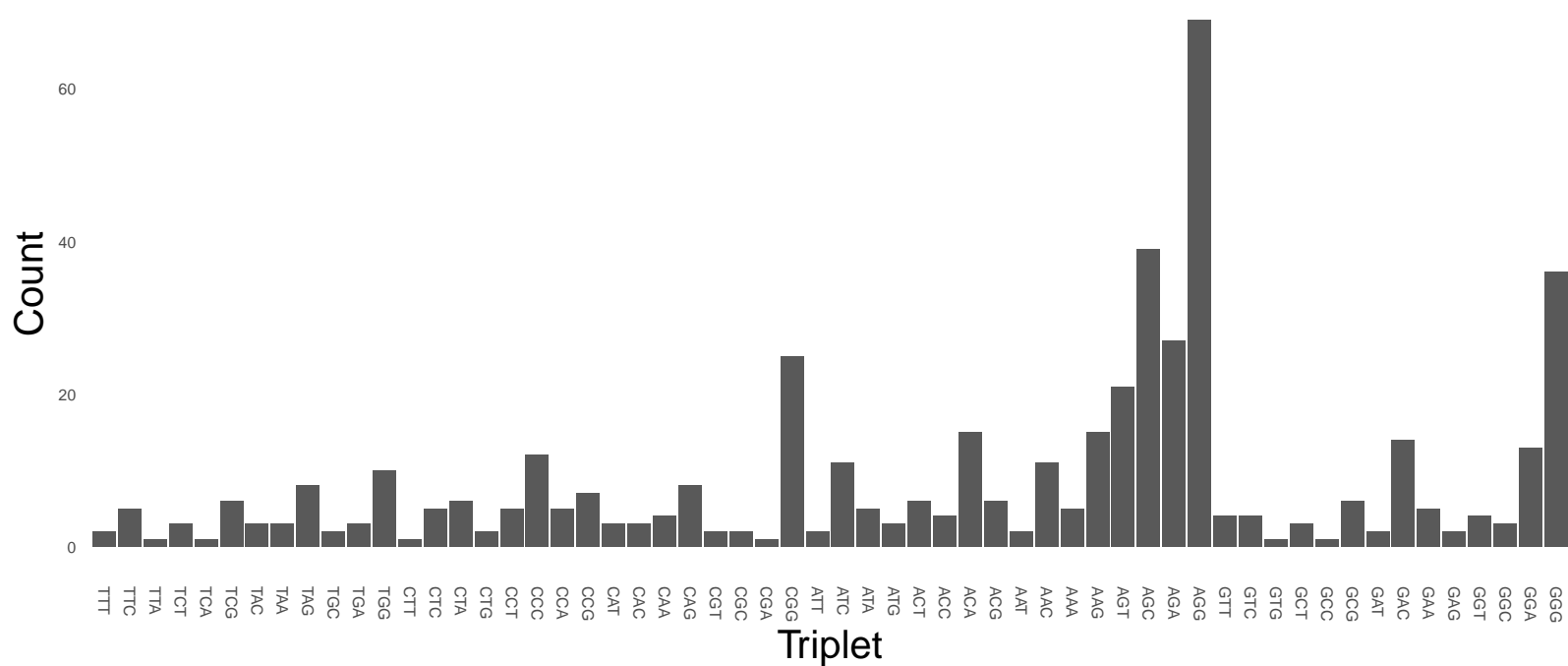
Gene TRBV7-7*ap01_C315T



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

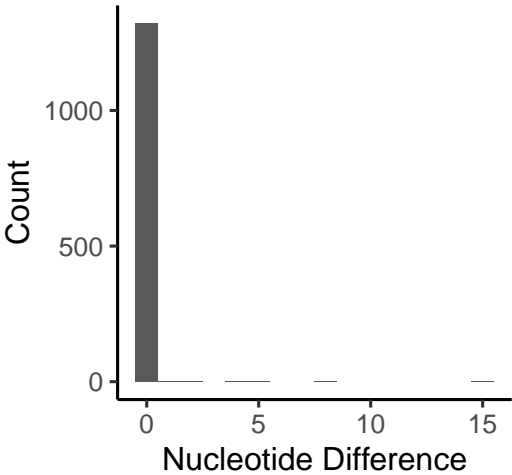


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



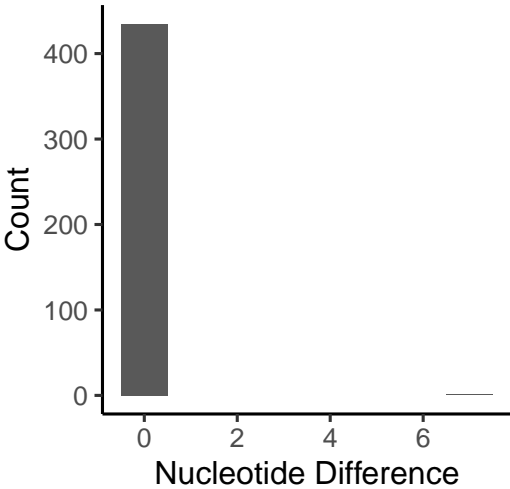
TRBV10-1*ap01

1328 sequences assigned
1321 (99.5%) exact matches, in which:
1311 unique CDR3
13 unique J



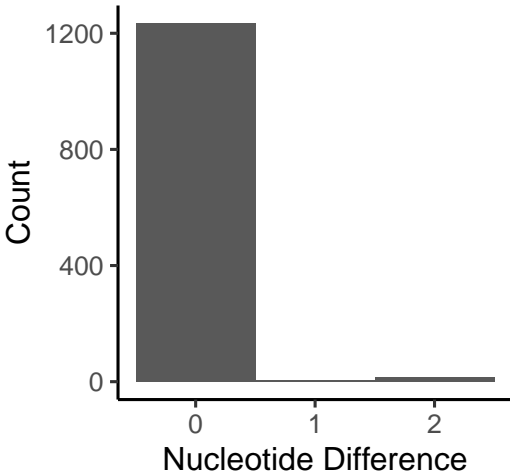
TRBV10-2*ap01

436 sequences assigned
435 (99.8%) exact matches, in which:
433 unique CDR3
13 unique J



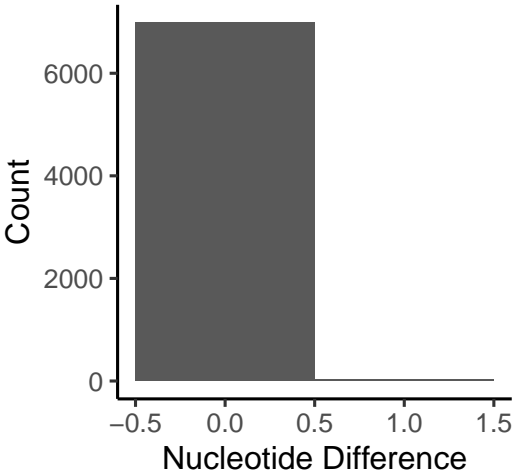
TRBV13*ap01

1255 sequences assigned
1234 (98.3%) exact matches, in which:
1223 unique CDR3
13 unique J



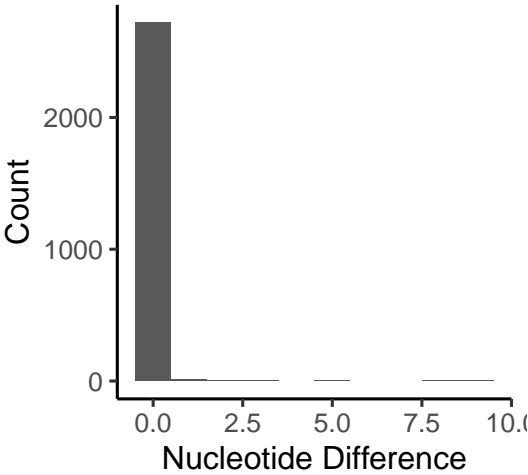
TRBV20-1*ap01

7010 sequences assigned
6985 (99.6%) exact matches, in which:
6951 unique CDR3
13 unique J



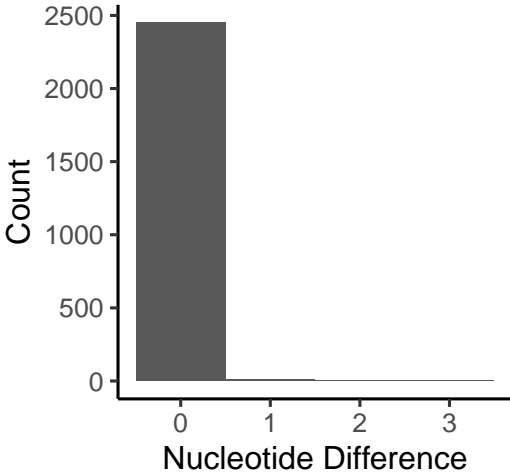
TRBV10-3*ap01

2738 sequences assigned
2719 (99.3%) exact matches, in which:
2701 unique CDR3
13 unique J



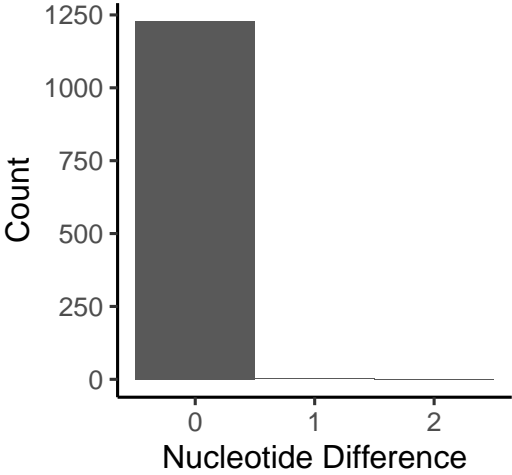
TRBV14*ap01

2462 sequences assigned
2450 (99.5%) exact matches, in which:
2441 unique CDR3
14 unique J



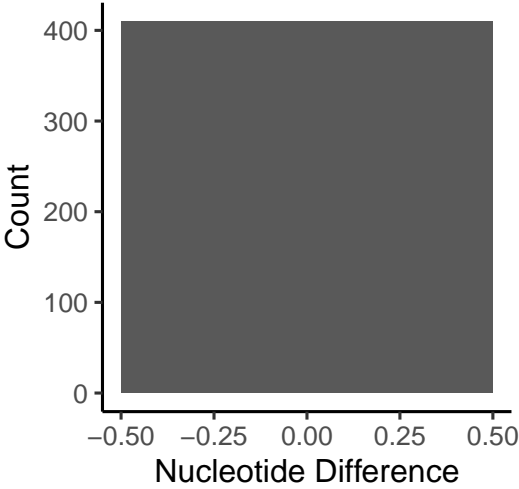
TRBV20-1*ap02

1233 sequences assigned
1229 (99.7%) exact matches, in which:
1217 unique CDR3
13 unique J



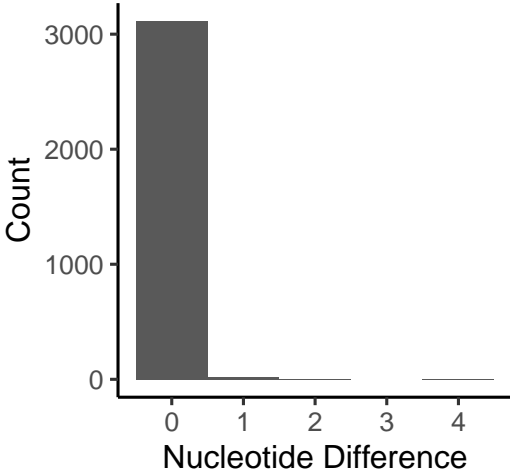
TRBV1*ap01

410 sequences assigned
410 (100%) exact matches, in which:
408 unique CDR3
13 unique J



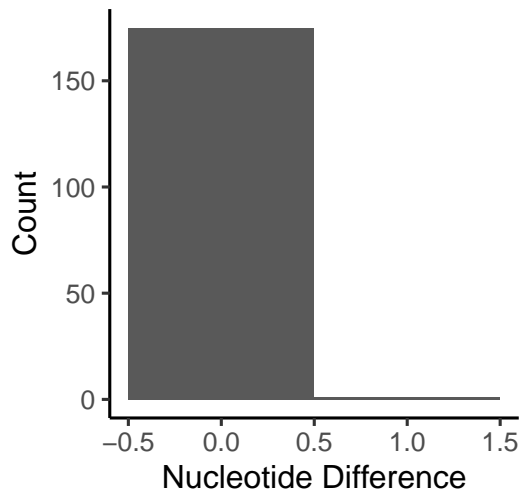
TRBV15*ap02

3136 sequences assigned
3114 (99.3%) exact matches, in which:
3088 unique CDR3
13 unique J



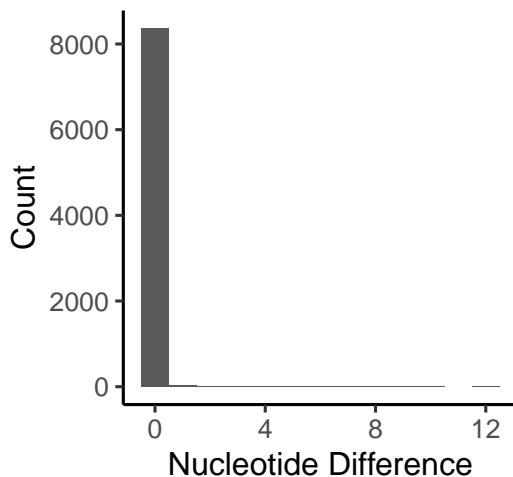
TRBV16*ap01

176 sequences assigned
175 (99.4%) exact matches, in which:
175 unique CDR3
13 unique J



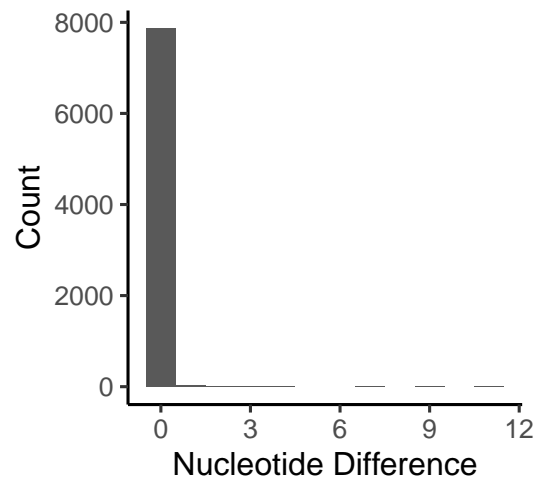
TRBV19*ap01

8420 sequences assigned
8364 (99.3%) exact matches, in which:
8330 unique CDR3
13 unique J



TRBV27*ap01

7905 sequences assigned
7867 (99.5%) exact matches, in which:
7807 unique CDR3
13 unique J



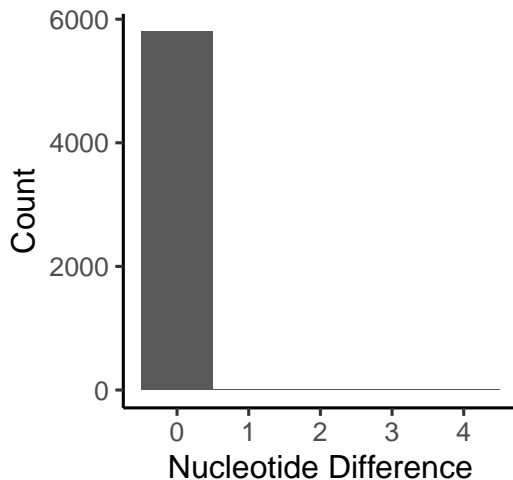
TRBV17*ap01

1 sequences assigned
No exact matches.



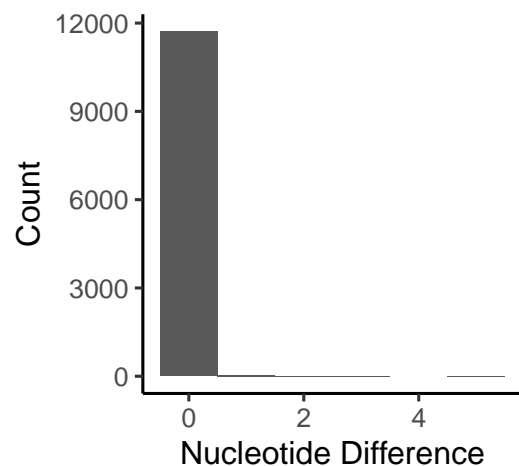
TRBV2*ap01

5819 sequences assigned
5797 (99.6%) exact matches, in which:
5754 unique CDR3
13 unique J



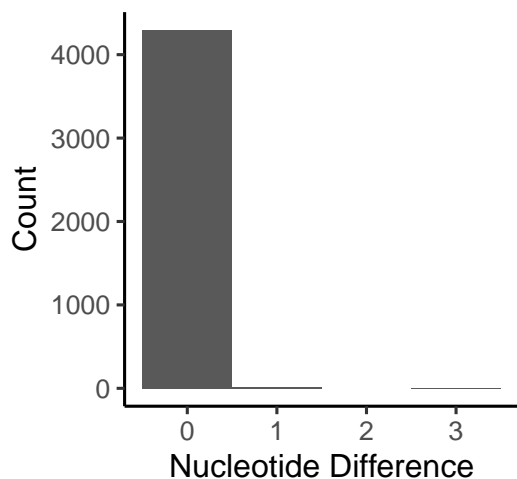
TRBV28*ap01

11765 sequences assigned
11715 (99.6%) exact matches, in which:
11655 unique CDR3
13 unique J



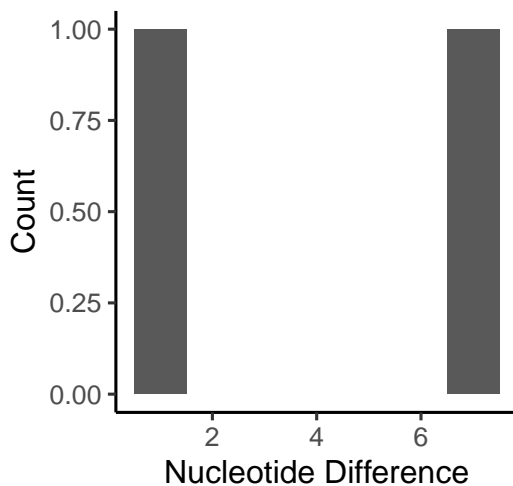
TRBV18*ap01

4310 sequences assigned
4295 (99.7%) exact matches, in which:
4282 unique CDR3
13 unique J



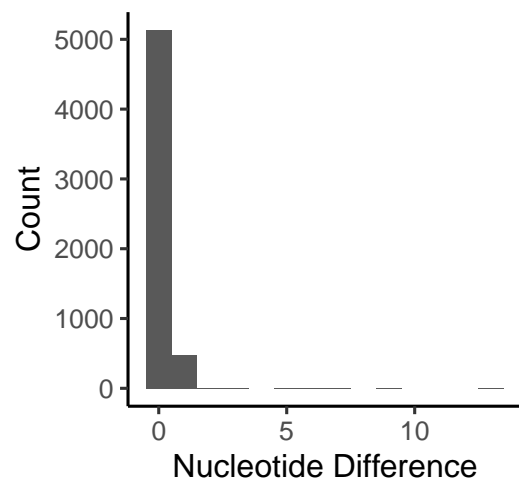
TRBV26*ap01

2 sequences assigned
No exact matches.



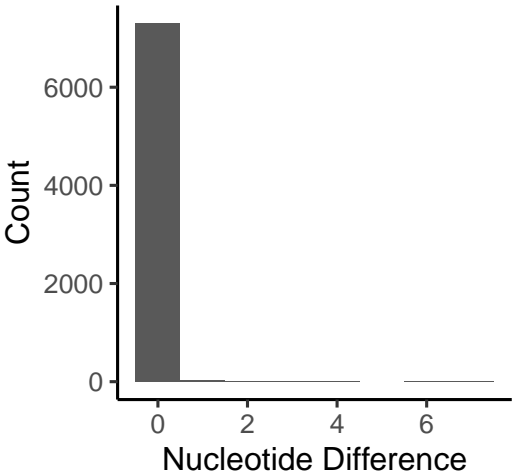
TRBV30*ap01

5634 sequences assigned
5133 (91.1%) exact matches, in which:
5044 unique CDR3
13 unique J



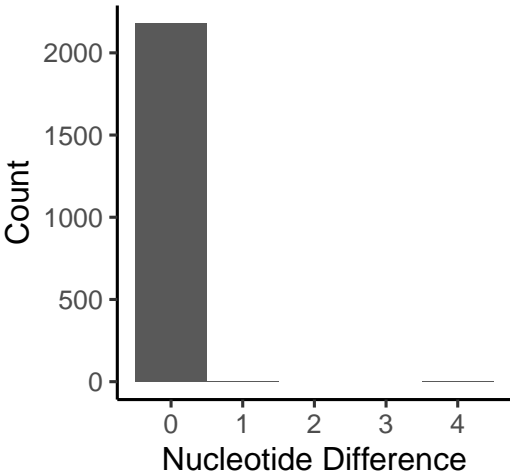
TRBV9*ap01

7327 sequences assigned
7300 (99.6%) exact matches, in which:
7272 unique CDR3
13 unique J



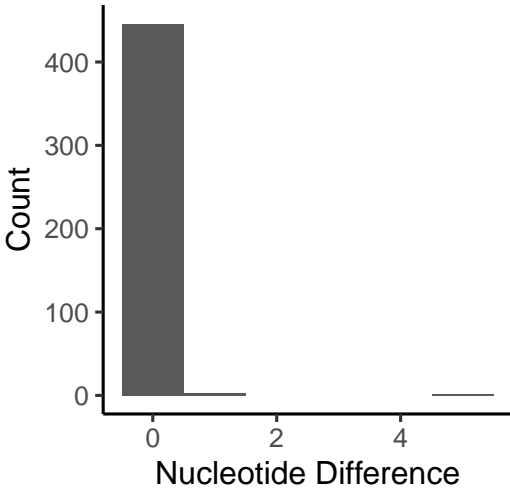
TRBV11-2*ap01

2184 sequences assigned
2179 (99.8%) exact matches, in which:
2173 unique CDR3
13 unique J



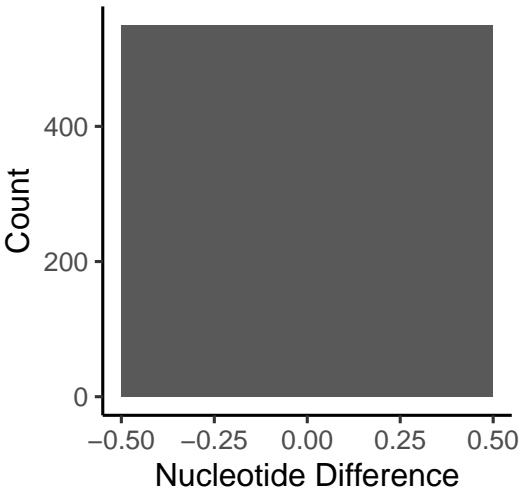
TRBV12-2*ap01

451 sequences assigned
446 (98.9%) exact matches, in which:
441 unique CDR3
13 unique J



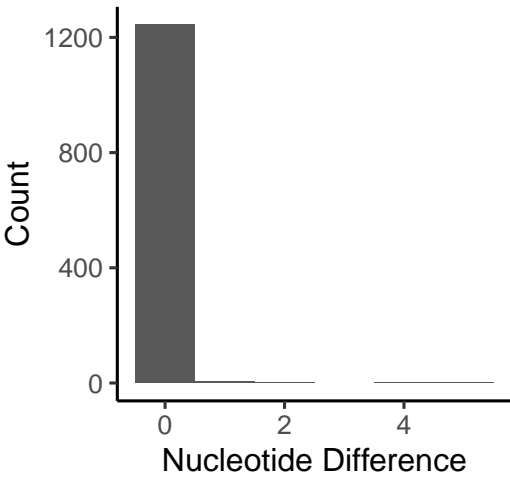
TRBV11-1*ap01

550 sequences assigned
550 (100%) exact matches, in which:
548 unique CDR3
13 unique J



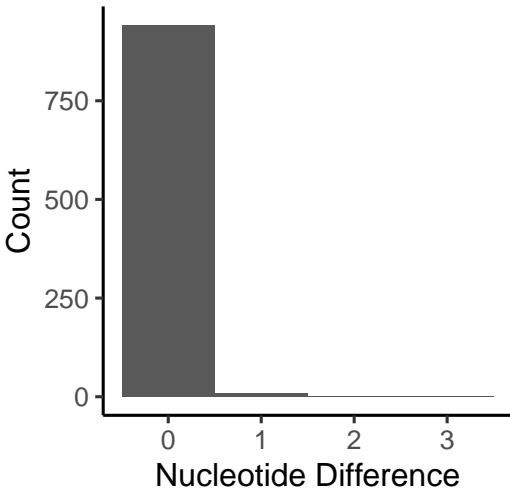
TRBV11-3*ap01

1252 sequences assigned
1244 (99.4%) exact matches, in which:
1239 unique CDR3
13 unique J



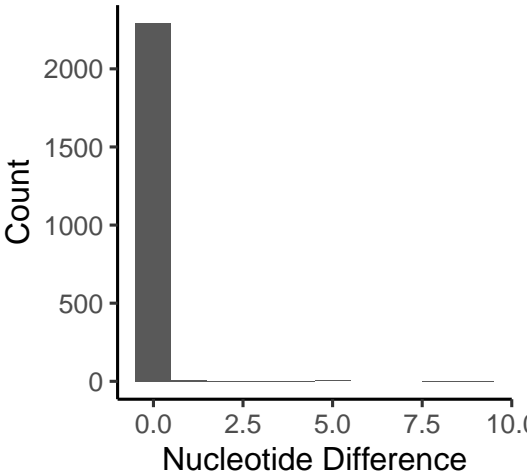
TRBV12-5*ap01

953 sequences assigned
942 (98.8%) exact matches, in which:
938 unique CDR3
14 unique J



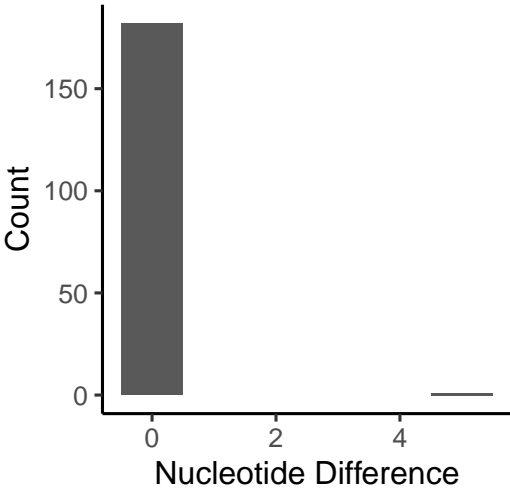
TRBV21-1*ap01

2313 sequences assigned
2293 (99.1%) exact matches, in which:
2280 unique CDR3
13 unique J



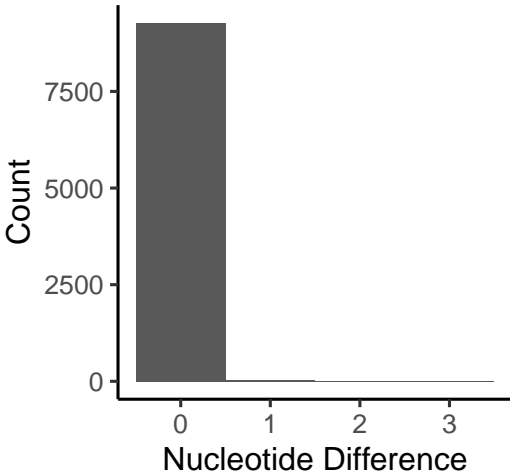
TRBV12-1*ap01

183 sequences assigned
182 (99.5%) exact matches, in which:
180 unique CDR3
13 unique J



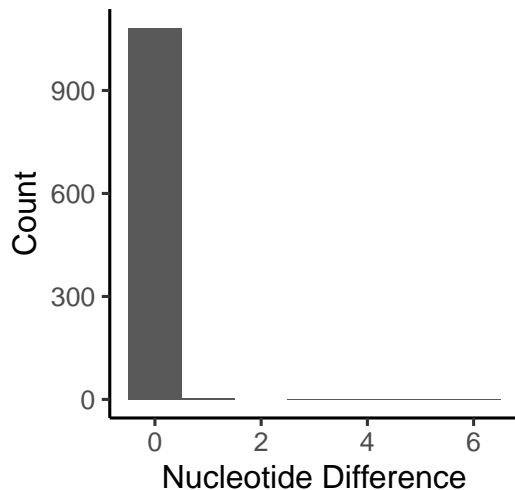
TRBV12-34*ap01

9312 sequences assigned
9269 (99.5%) exact matches, in which:
9179 unique CDR3
13 unique J



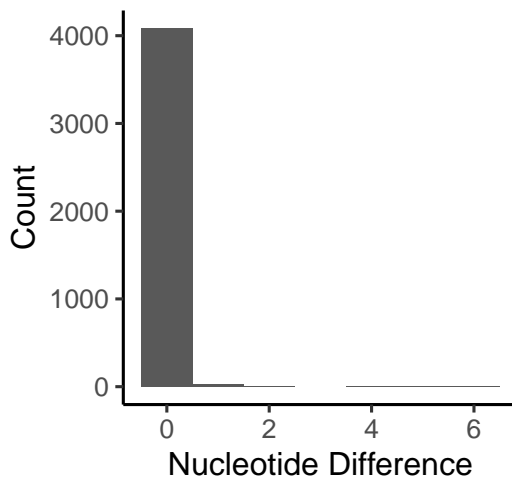
TRBV23–1*ap01

1093 sequences assigned
1083 (99.1%) exact matches, in which:
1080 unique CDR3
13 unique J



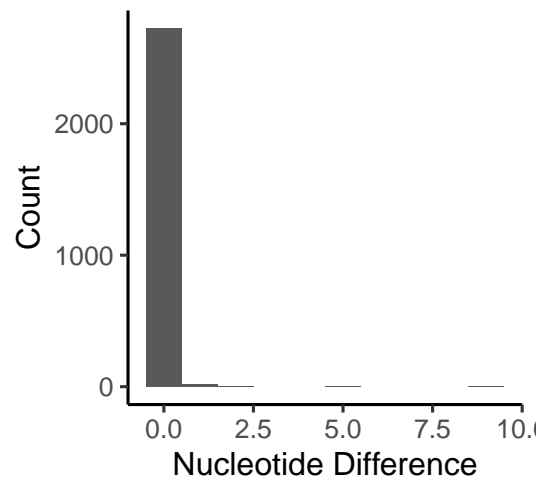
TRBV4–1*ap01

4112 sequences assigned
4083 (99.3%) exact matches, in which:
4044 unique CDR3
13 unique J



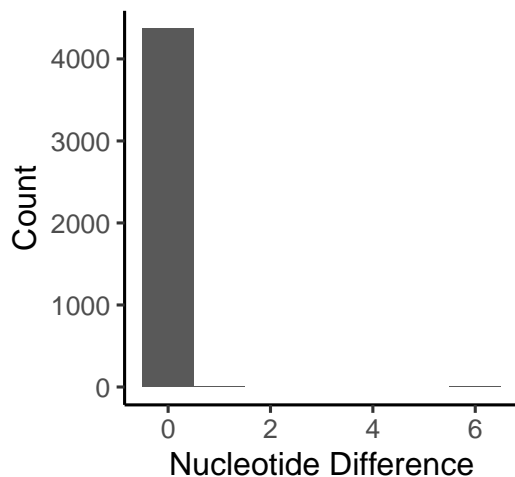
TRBV25–1*ap01

2749 sequences assigned
2725 (99.1%) exact matches, in which:
2696 unique CDR3
13 unique J



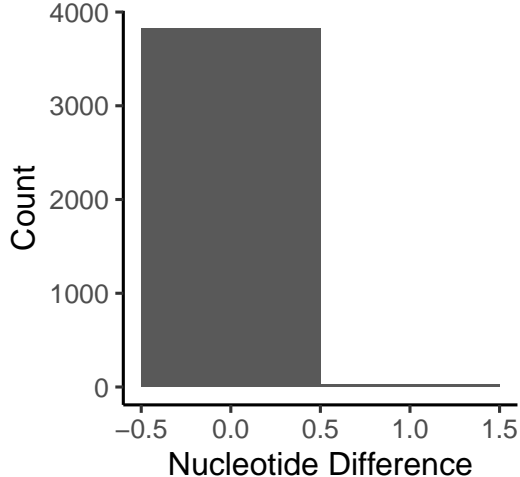
TRBV3–12*ap01

4383 sequences assigned
4368 (99.7%) exact matches, in which:
4356 unique CDR3
13 unique J



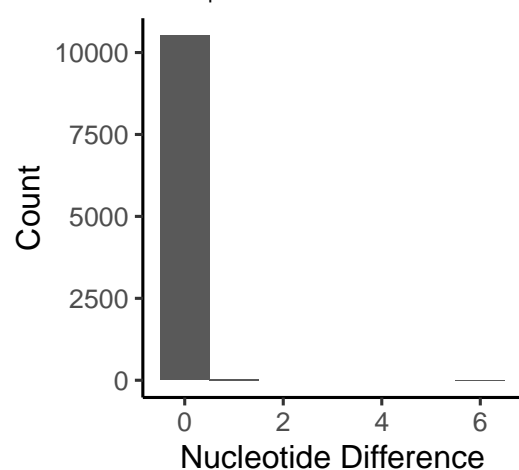
TRBV4–2*ap01

3845 sequences assigned
3822 (99.4%) exact matches, in which:
3788 unique CDR3
13 unique J



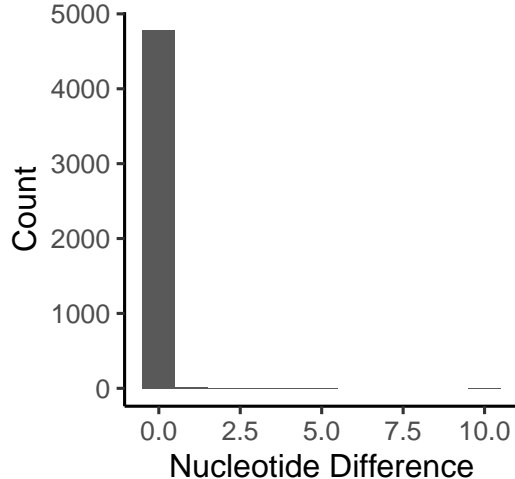
TRBV5–1*ap01

10558 sequences assigned
10521 (99.6%) exact matches, in which:
10416 unique CDR3
13 unique J



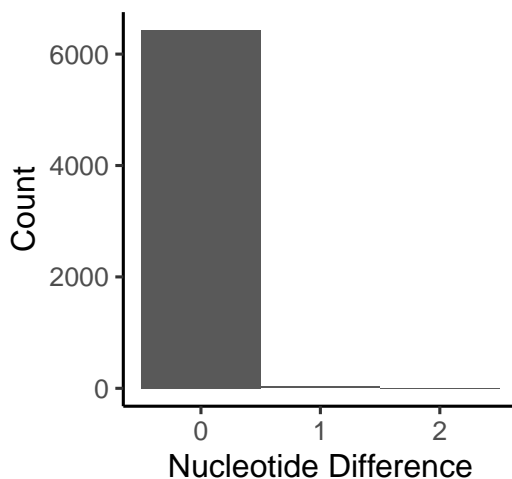
TRBV24–1*ap01

4809 sequences assigned
4784 (99.5%) exact matches, in which:
4746 unique CDR3
13 unique J



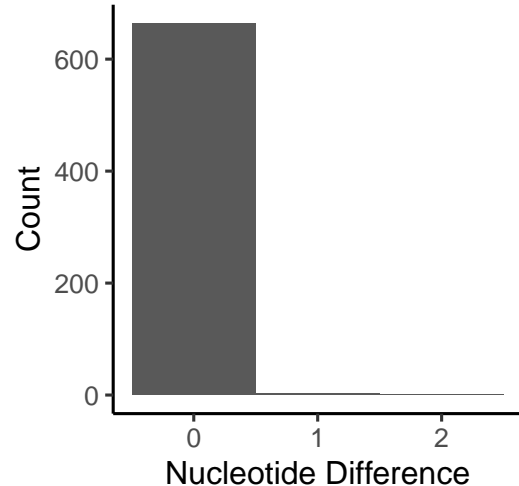
TRBV4–3*ap01

6467 sequences assigned
6432 (99.5%) exact matches, in which:
6369 unique CDR3
13 unique J



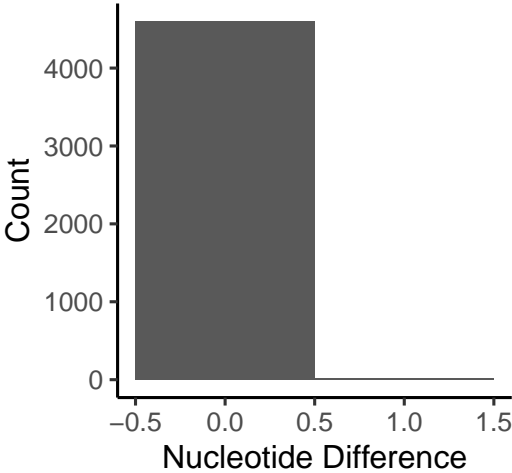
TRBV5–3*ap01

668 sequences assigned
664 (99.4%) exact matches, in which:
654 unique CDR3
13 unique J



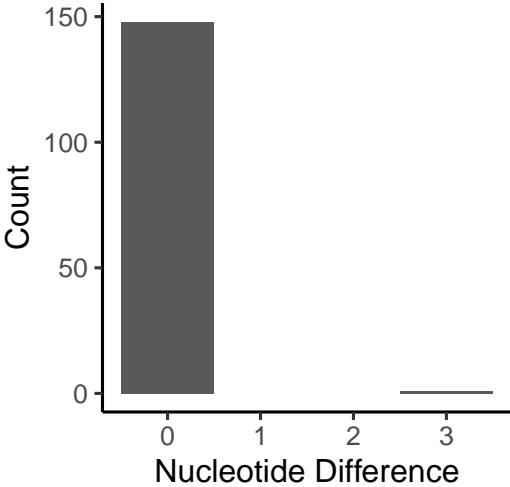
TRBV5-4*ap01

4622 sequences assigned
4599 (99.5%) exact matches, in which:
4562 unique CDR3
13 unique J



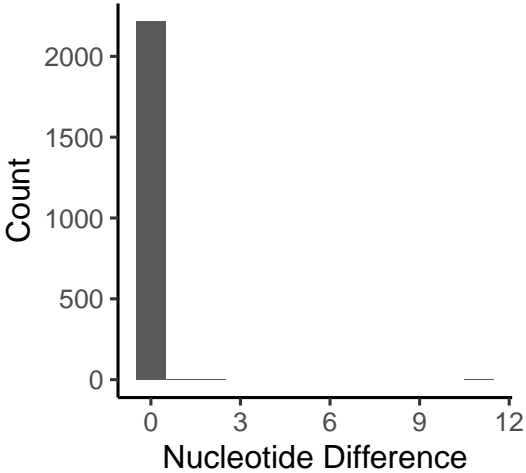
TRBV5-7*ap01

149 sequences assigned
148 (99.3%) exact matches, in which:
144 unique CDR3
11 unique J



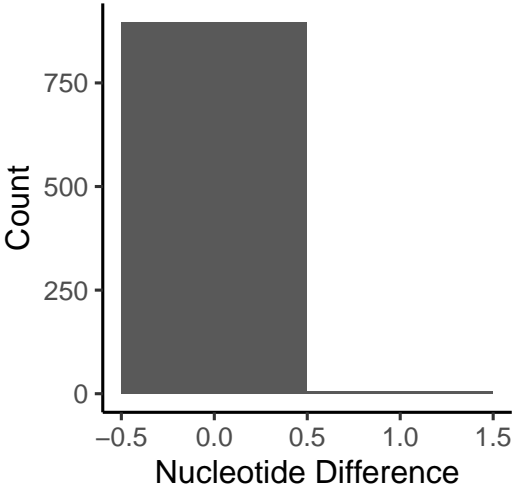
TRBV6-4*ap01

2225 sequences assigned
2216 (99.6%) exact matches, in which:
2205 unique CDR3
13 unique J



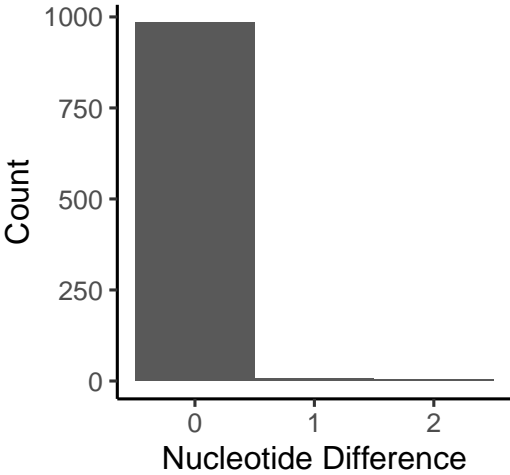
TRBV5-5*ap01

902 sequences assigned
897 (99.4%) exact matches, in which:
894 unique CDR3
13 unique J



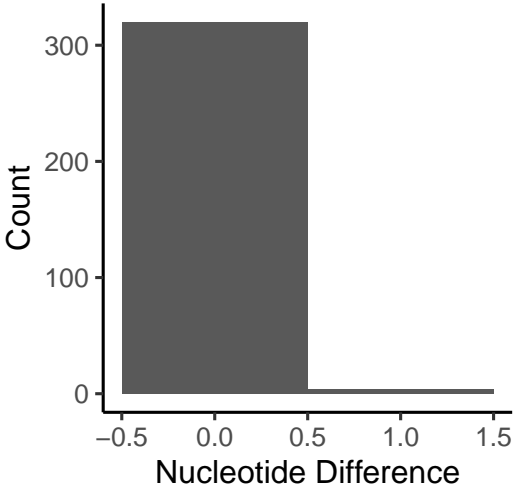
TRBV5-8*ap01

995 sequences assigned
984 (98.9%) exact matches, in which:
982 unique CDR3
13 unique J



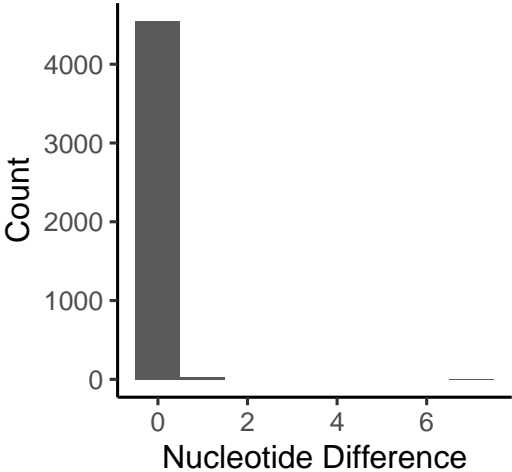
TRBV6-7*ap01

324 sequences assigned
320 (98.8%) exact matches, in which:
319 unique CDR3
13 unique J



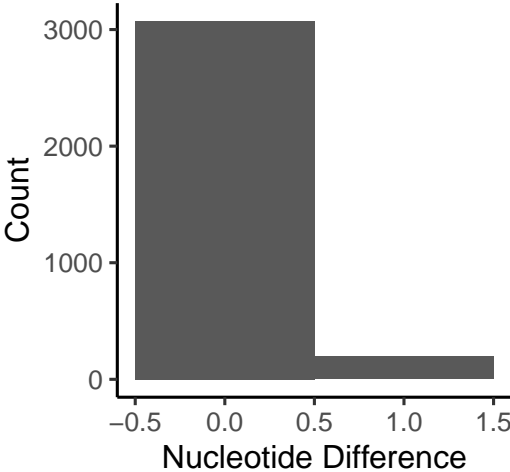
TRBV5-6*ap01

4582 sequences assigned
4548 (99.3%) exact matches, in which:
4483 unique CDR3
13 unique J



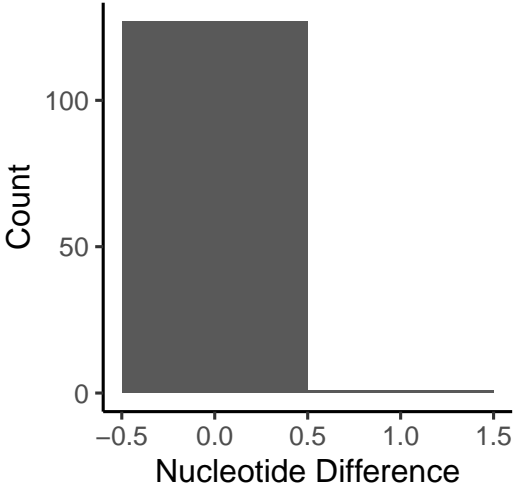
TRBV6-1*ap01

3268 sequences assigned
3073 (94%) exact matches, in which:
3039 unique CDR3
13 unique J



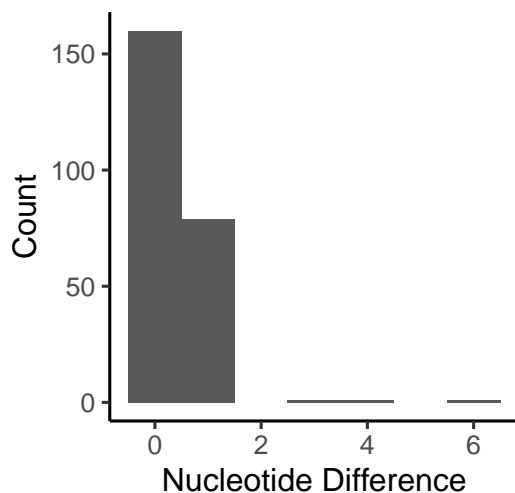
TRBV6-8*ap01

128 sequences assigned
127 (99.2%) exact matches, in which:
127 unique CDR3
13 unique J



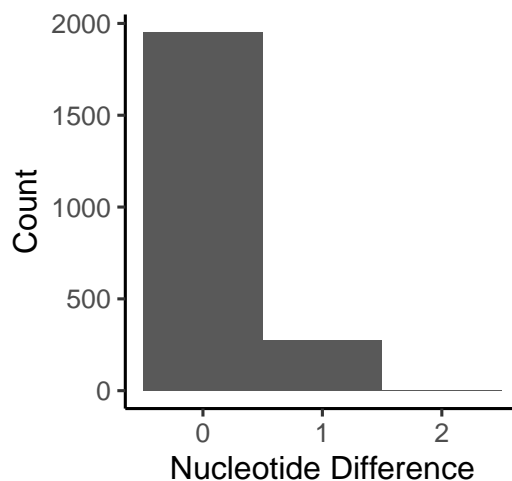
TRBV6–9*ap01

242 sequences assigned
160 (66.1%) exact matches, in which:
158 unique CDR3
13 unique J



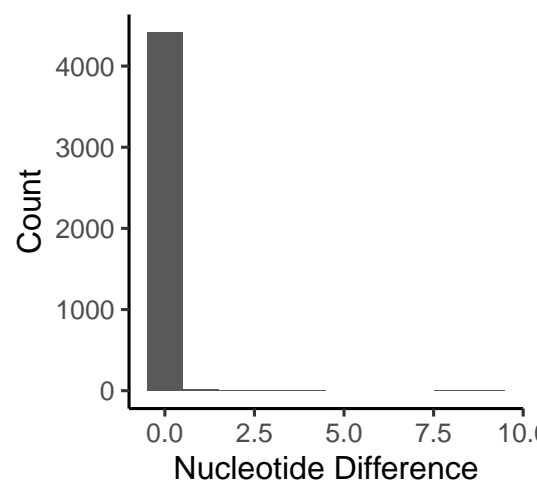
TRBV6–56*ap02

2230 sequences assigned
1951 (87.5%) exact matches, in which:
1935 unique CDR3
13 unique J



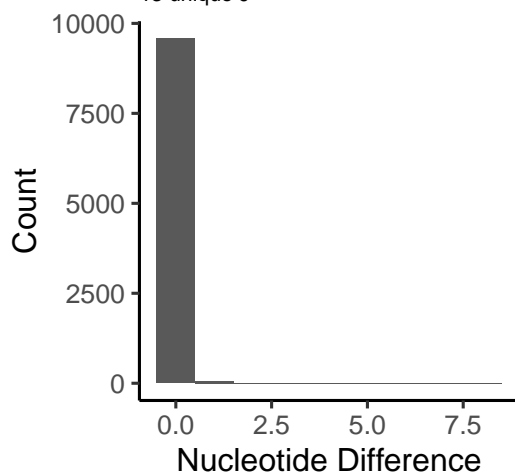
TRBV7–3*ap01

4441 sequences assigned
4415 (99.4%) exact matches, in which:
4393 unique CDR3
13 unique J



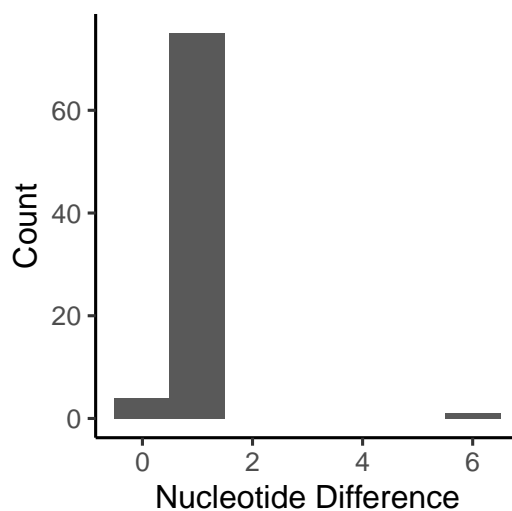
TRBV6–23*ap01

9663 sequences assigned
9581 (99.2%) exact matches, in which:
9455 unique CDR3
13 unique J



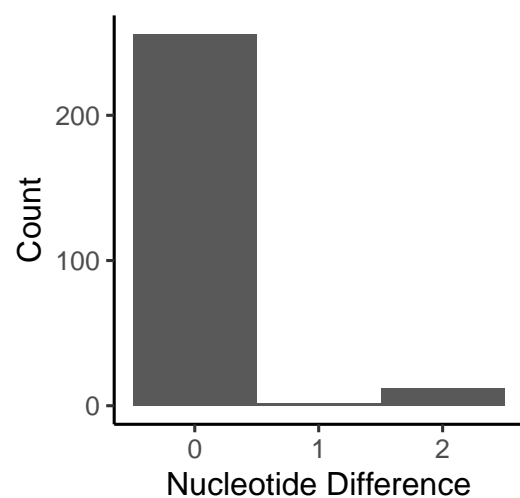
TRBV7–1*ap01_T296C

80 sequences assigned
4 (5%) exact matches, in which:
4 unique CDR3
2 unique J



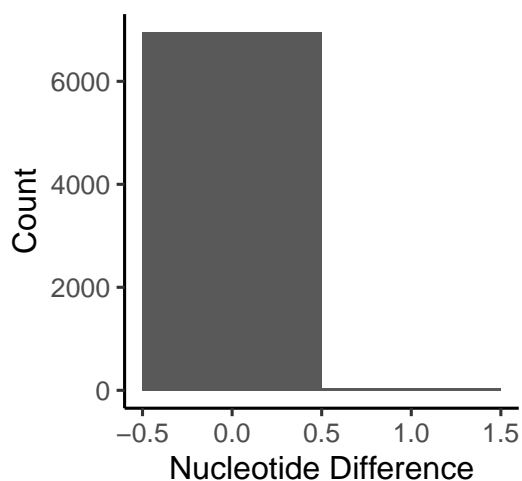
TRBV7–4*ap01

270 sequences assigned
256 (94.8%) exact matches, in which:
253 unique CDR3
13 unique J



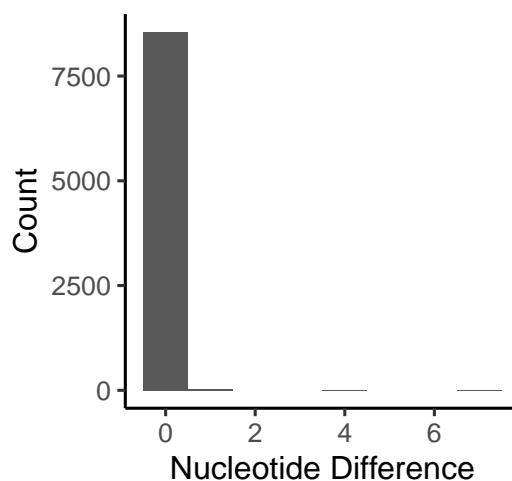
TRBV6–56*ap01

6998 sequences assigned
6957 (99.4%) exact matches, in which:
6864 unique CDR3
13 unique J



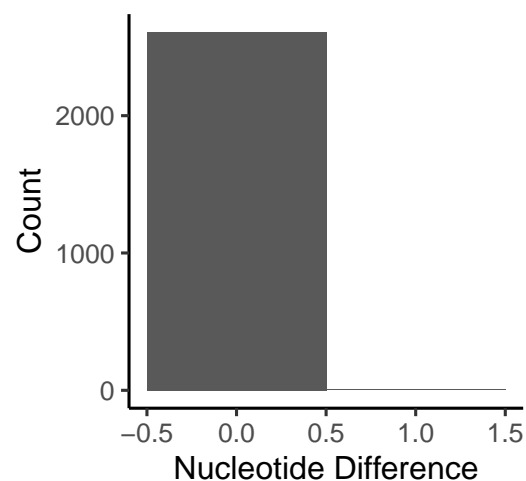
TRBV7–2*ap01

8579 sequences assigned
8550 (99.7%) exact matches, in which:
8508 unique CDR3
13 unique J



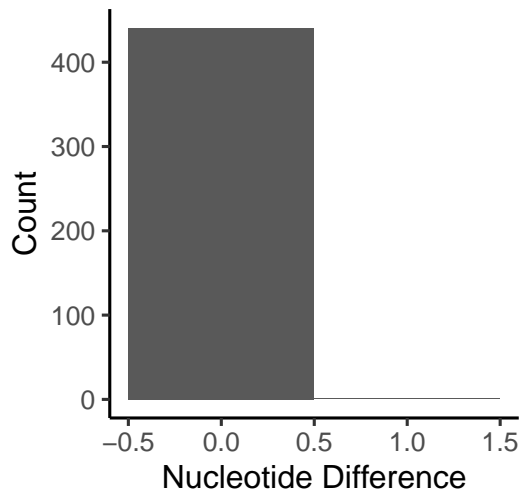
TRBV7–6*ap01

2616 sequences assigned
2609 (99.7%) exact matches, in which:
2597 unique CDR3
13 unique J



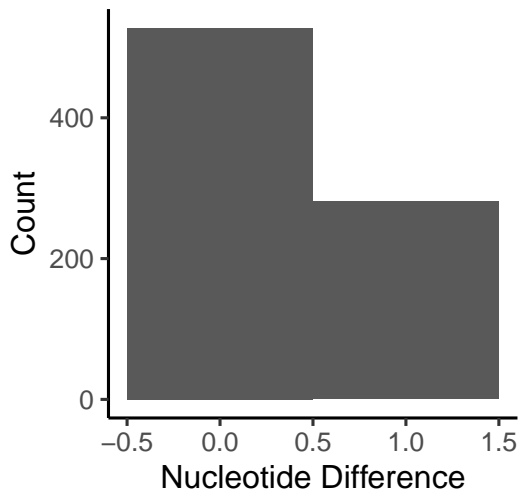
TRBV7-7*ap01

442 sequences assigned
441 (99.8%) exact matches, in which:
439 unique CDR3
13 unique J



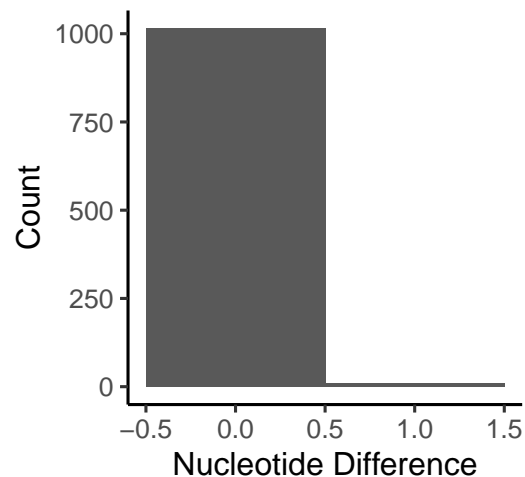
TRBV7-8*ap03

809 sequences assigned
528 (65.3%) exact matches, in which:
523 unique CDR3
13 unique J



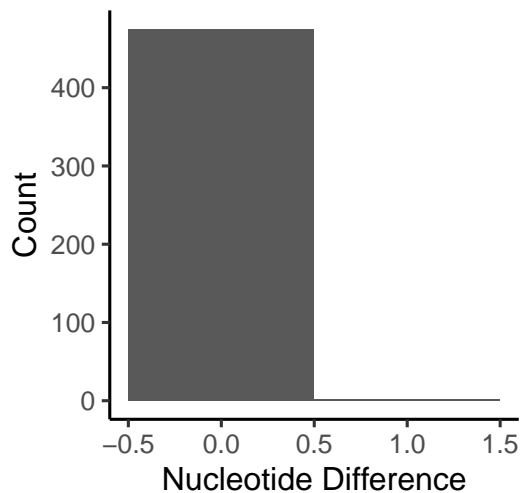
TRBV29-1*ap02

1024 sequences assigned
1015 (99.1%) exact matches, in which:
1001 unique CDR3
13 unique J



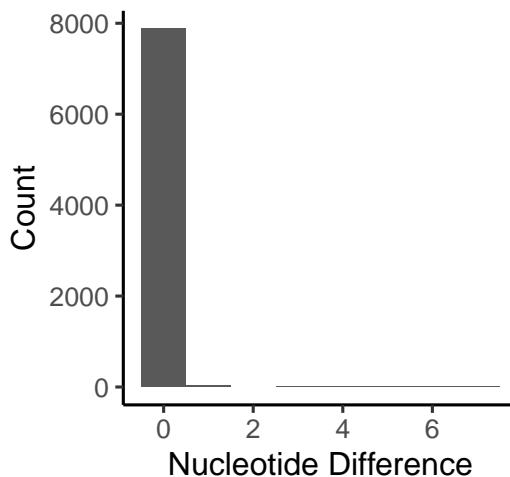
TRBV7-7*ap01_C315T

477 sequences assigned
475 (99.6%) exact matches, in which:
474 unique CDR3
13 unique J



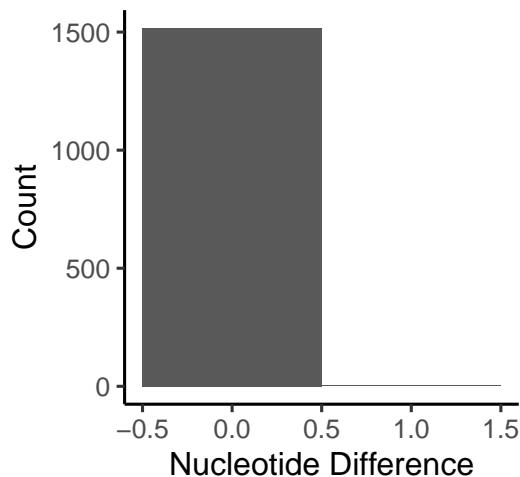
TRBV7-9*ap01

7912 sequences assigned
7880 (99.6%) exact matches, in which:
7829 unique CDR3
13 unique J



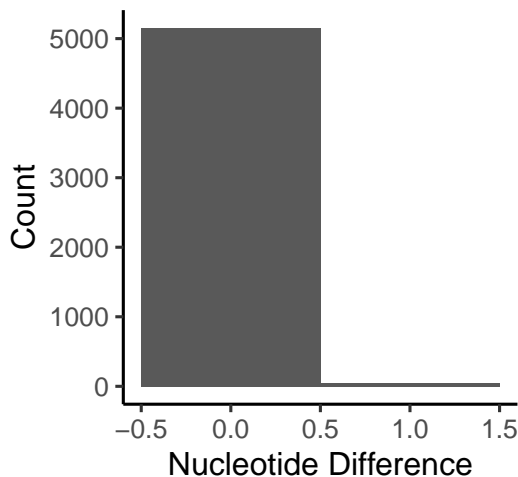
TRBV7-8*ap01

1521 sequences assigned
1517 (99.7%) exact matches, in which:
1511 unique CDR3
13 unique J

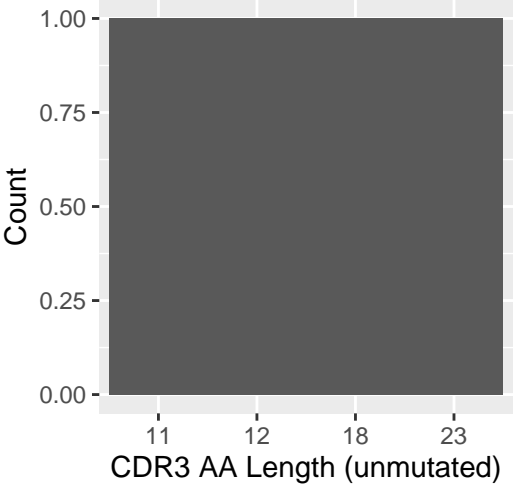


TRBV29-1*ap01

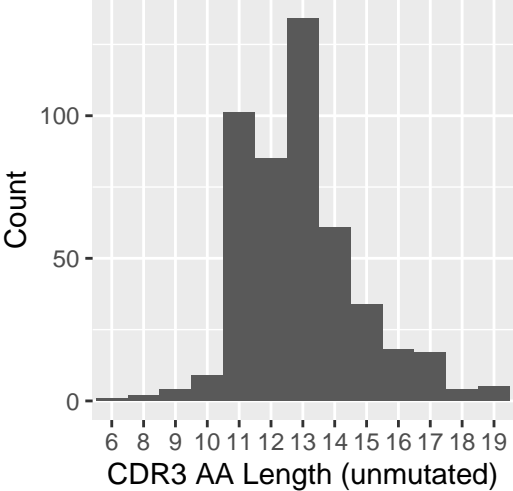
5199 sequences assigned
5152 (99.1%) exact matches, in which:
5063 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]