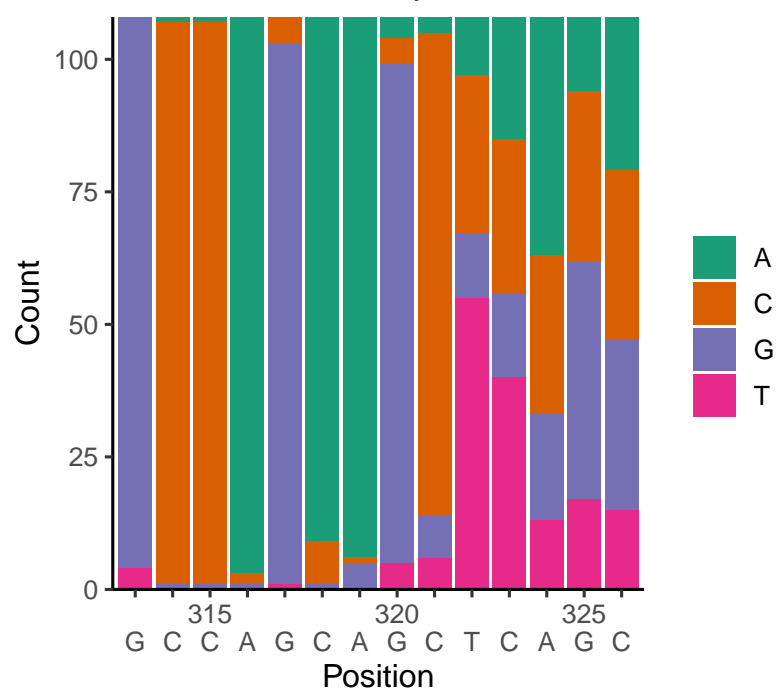
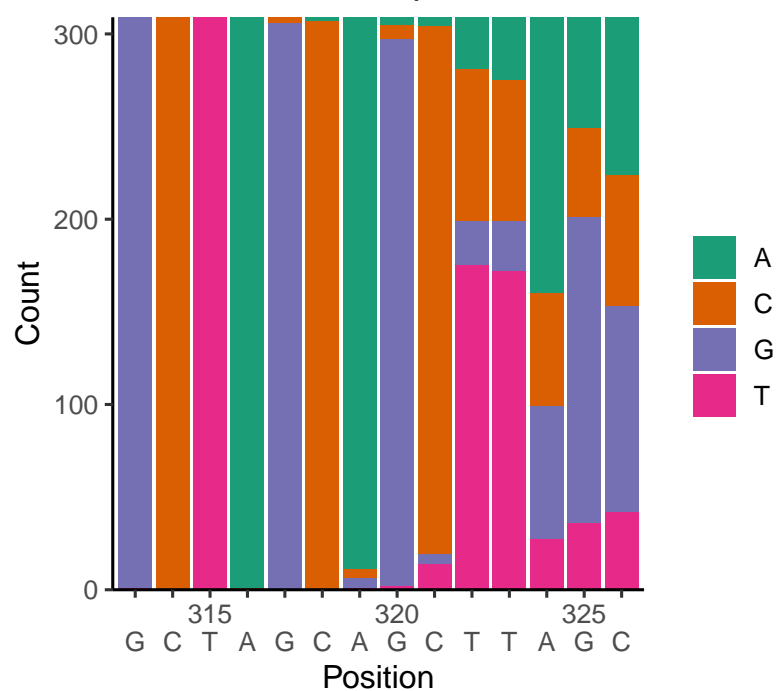


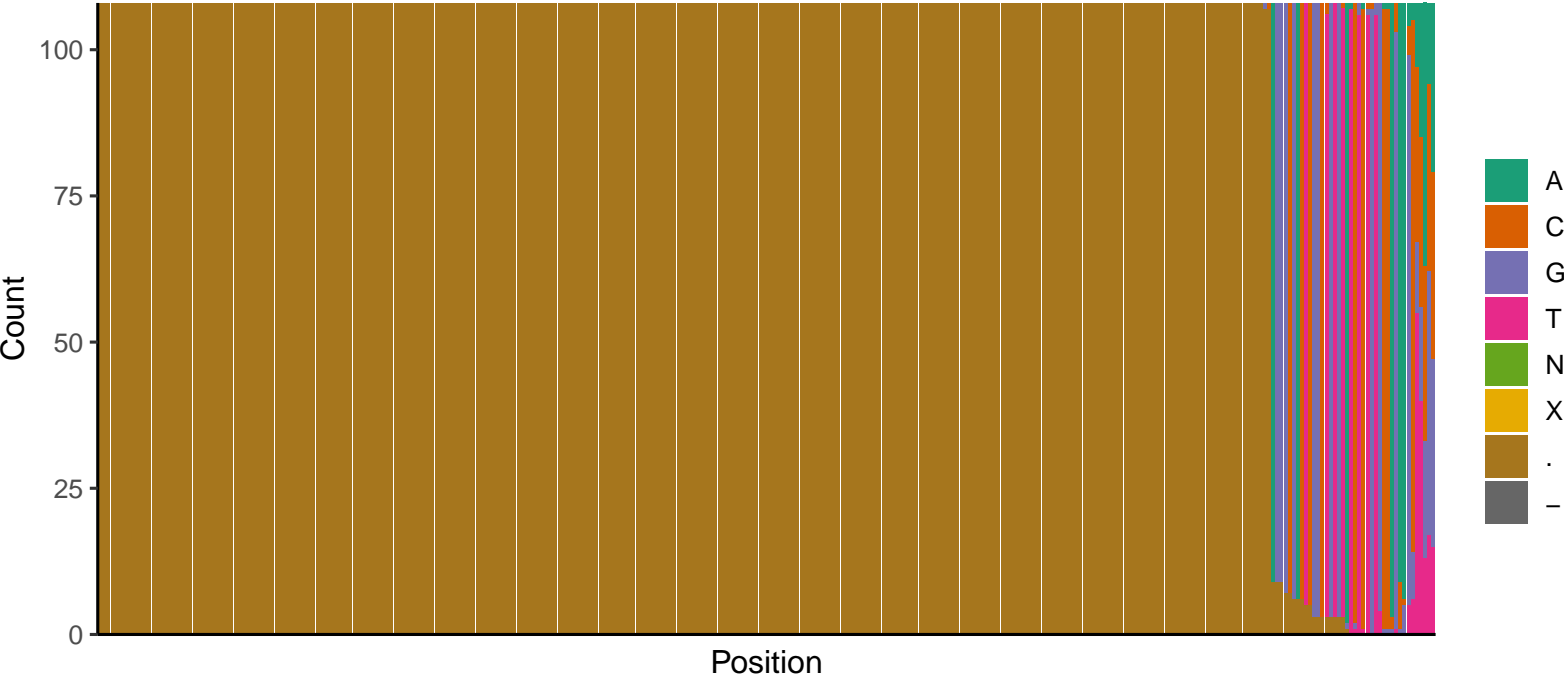
Gene TRBV7-1*ap01_G291C_T296C



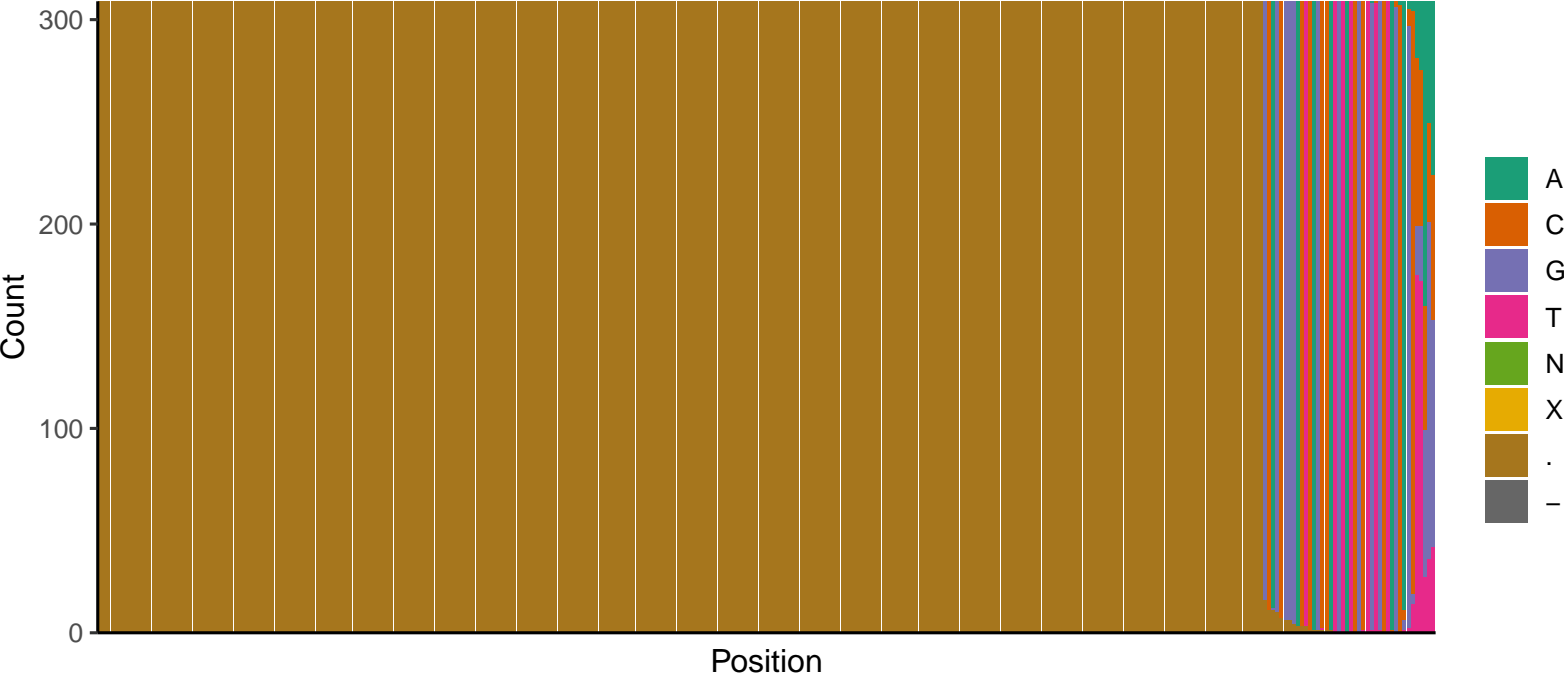
Gene TRBV7-7*ap01_C315T



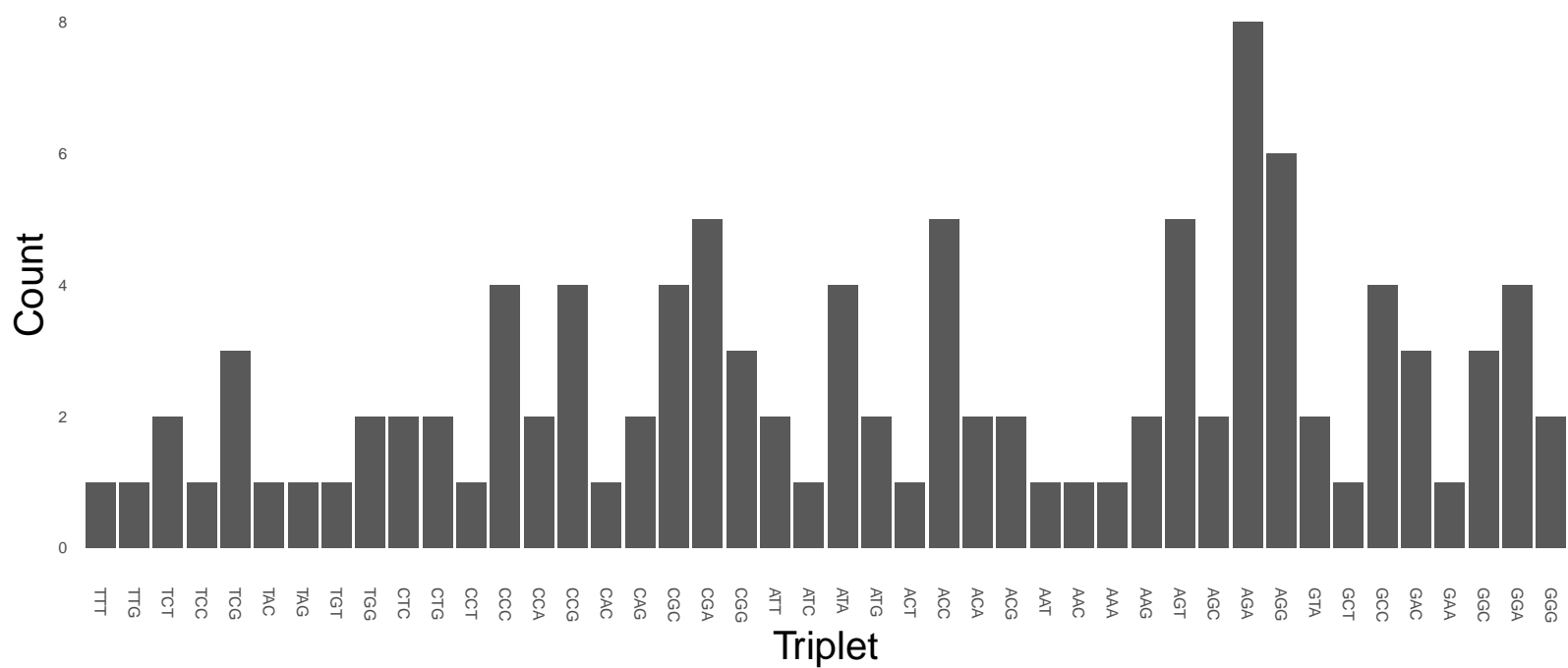
Gene TRBV7-1*ap01_G291C_T296C



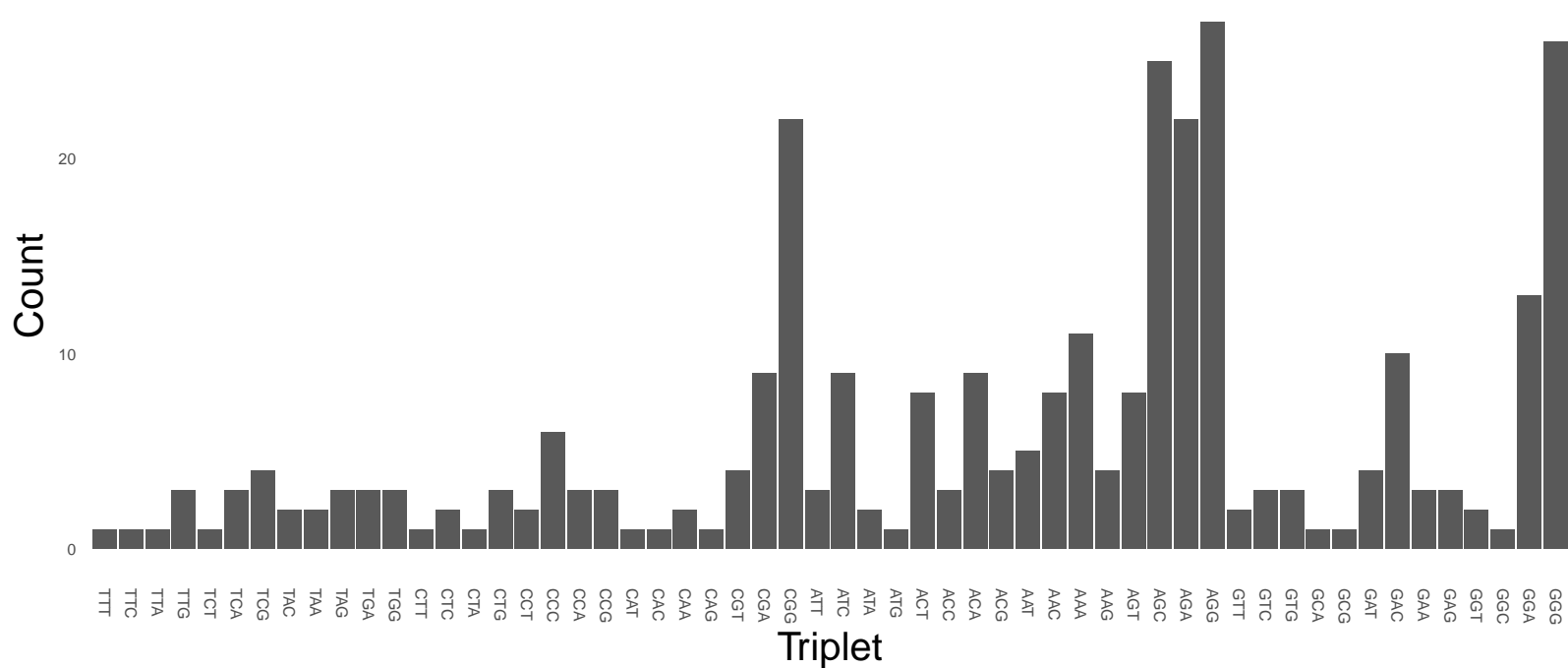
Gene TRBV7-7*ap01_C315T



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

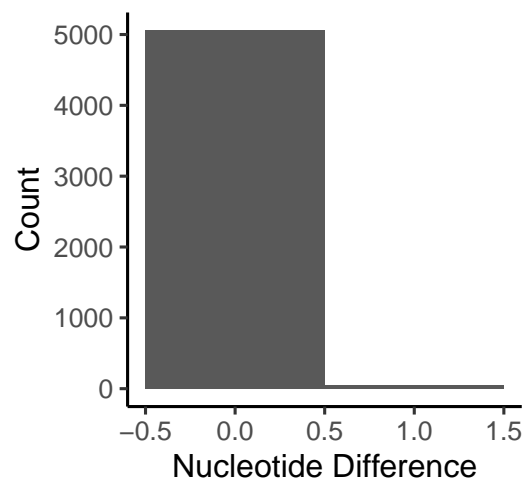


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



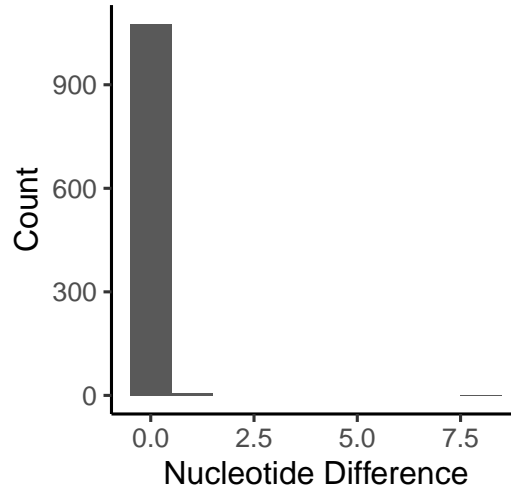
TRBV20-1*ap01

5103 sequences assigned
5058 (99.1%) exact matches, in which:
4994 unique CDR3
13 unique J



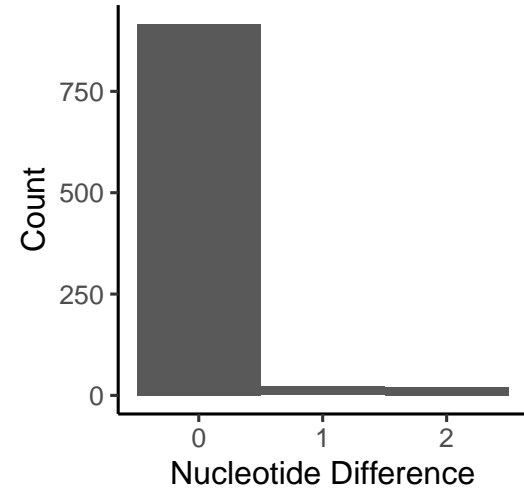
TRBV10-2*ap01

1085 sequences assigned
1077 (99.3%) exact matches, in which:
1054 unique CDR3
13 unique J



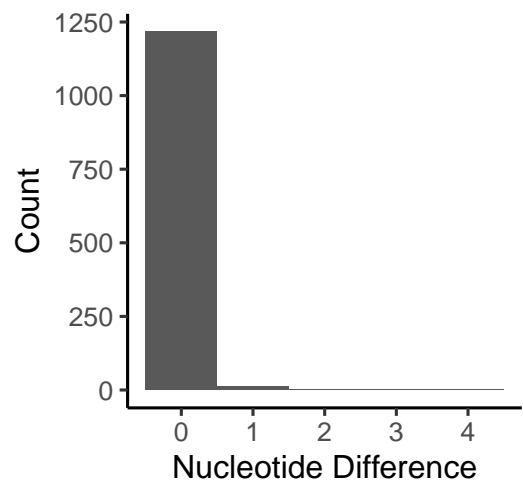
TRBV13*ap01

959 sequences assigned
917 (95.6%) exact matches, in which:
893 unique CDR3
13 unique J



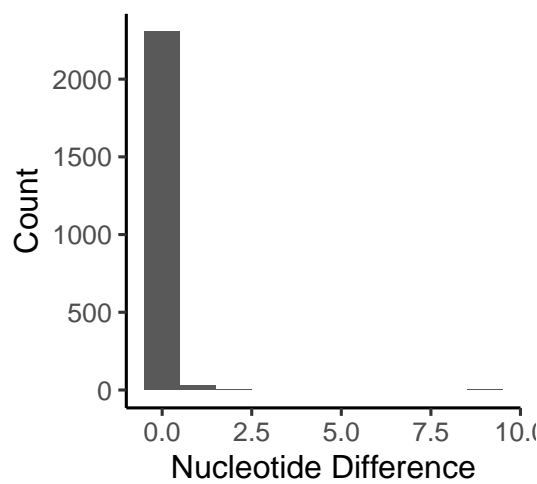
TRBV10-1*ap01

1234 sequences assigned
1217 (98.6%) exact matches, in which:
1194 unique CDR3
13 unique J



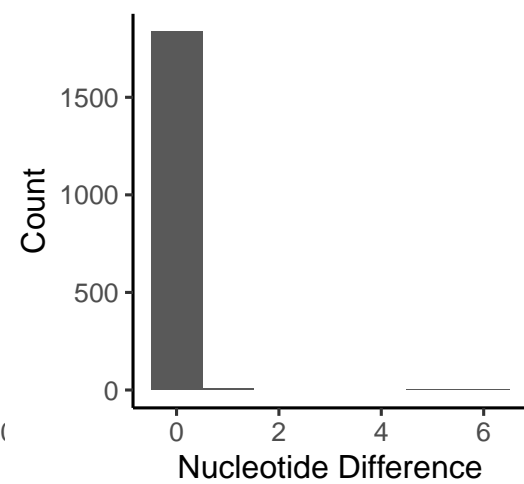
TRBV10-3*ap01

2337 sequences assigned
2305 (98.6%) exact matches, in which:
2254 unique CDR3
13 unique J



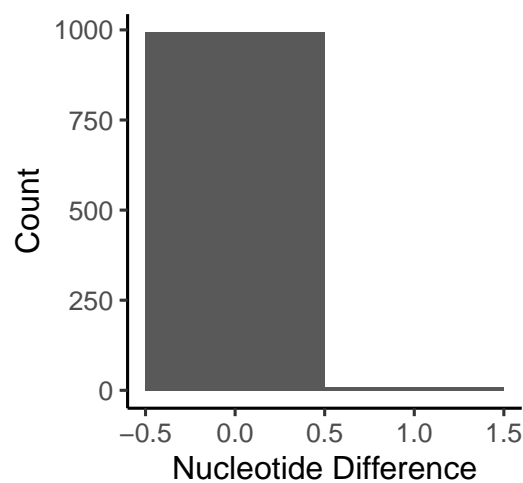
TRBV14*ap01

1848 sequences assigned
1836 (99.4%) exact matches, in which:
1812 unique CDR3
13 unique J



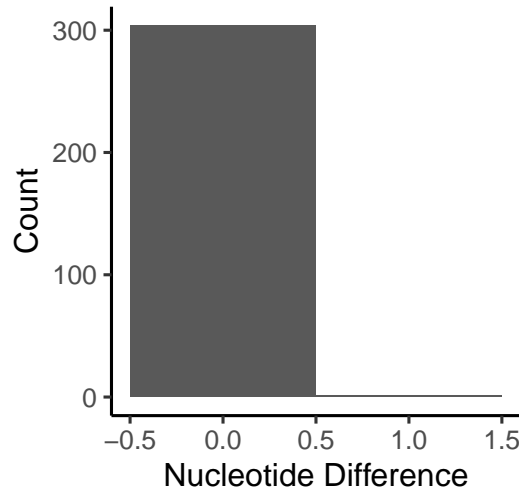
TRBV20-1*ap02

1004 sequences assigned
994 (99%) exact matches, in which:
976 unique CDR3
13 unique J



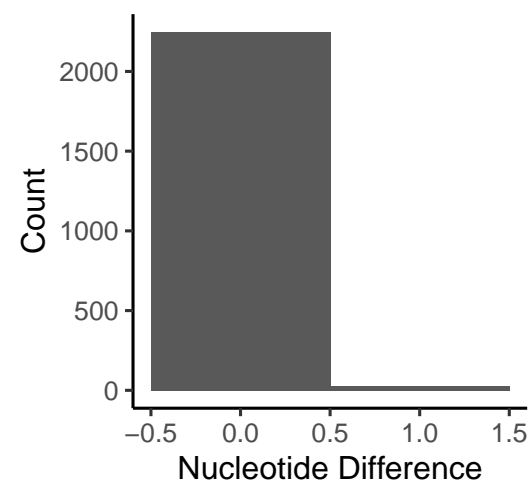
TRBV1*ap01

305 sequences assigned
304 (99.7%) exact matches, in which:
287 unique CDR3
13 unique J



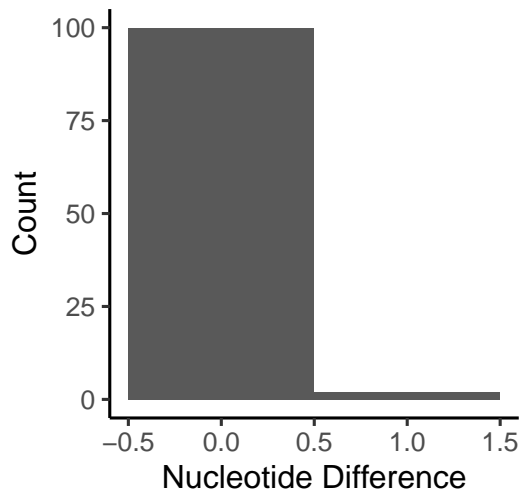
TRBV15*ap02

2276 sequences assigned
2247 (98.7%) exact matches, in which:
2195 unique CDR3
13 unique J



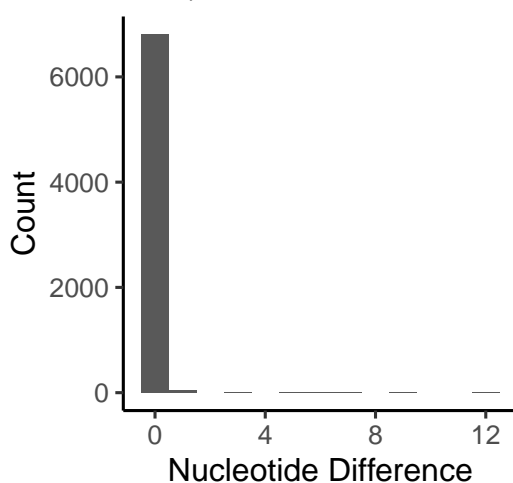
TRBV16*ap01

102 sequences assigned
100 (98%) exact matches, in which:
95 unique CDR3
13 unique J



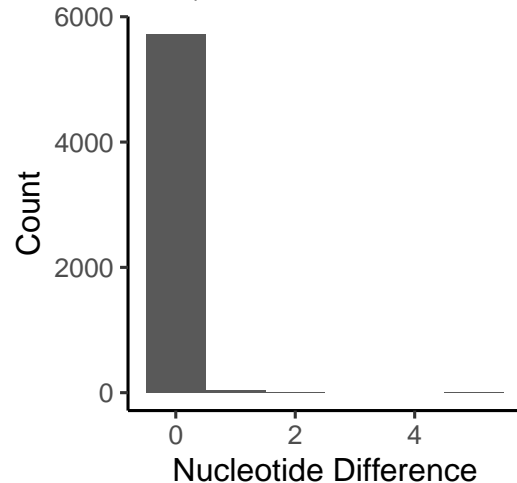
TRBV19*ap01

6874 sequences assigned
6807 (99%) exact matches, in which:
6729 unique CDR3
13 unique J



TRBV28*ap01

5765 sequences assigned
5718 (99.2%) exact matches, in which:
5632 unique CDR3
13 unique J



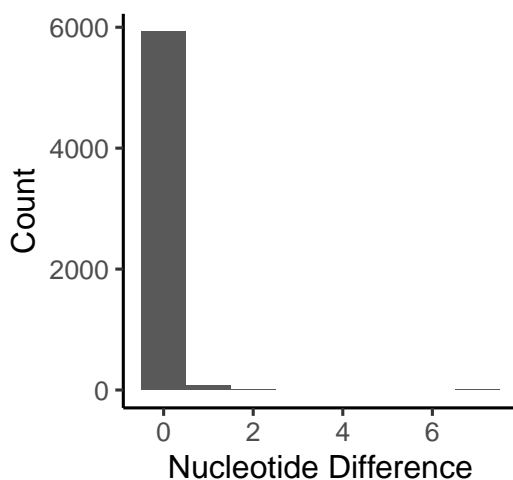
TRBV17*ap01

1 sequences assigned
No exact matches.



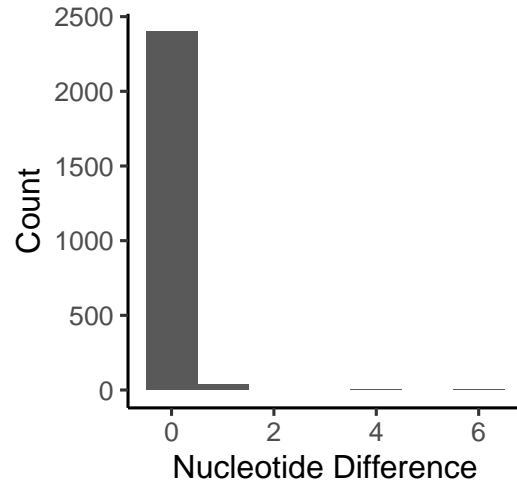
TRBV2*ap01

6000 sequences assigned
5926 (98.8%) exact matches, in which:
5805 unique CDR3
13 unique J



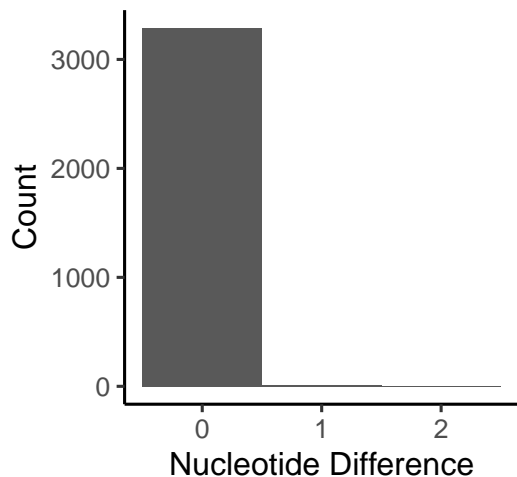
TRBV30*ap01

2440 sequences assigned
2399 (98.3%) exact matches, in which:
2338 unique CDR3
13 unique J



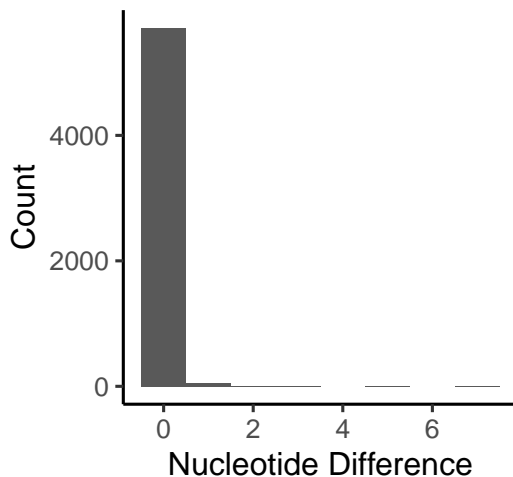
TRBV18*ap01

3300 sequences assigned
3288 (99.6%) exact matches, in which:
3246 unique CDR3
13 unique J



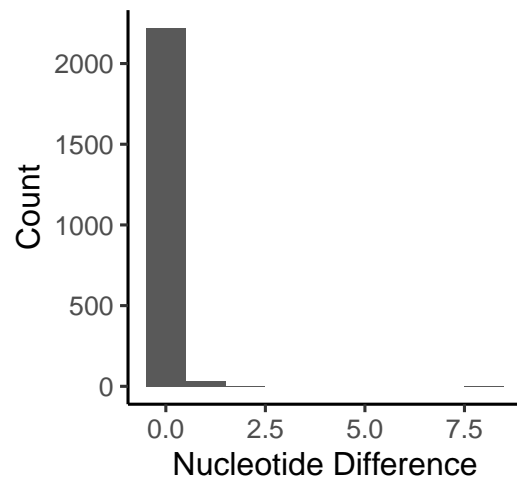
TRBV27*ap01

5774 sequences assigned
5711 (98.9%) exact matches, in which:
5580 unique CDR3
13 unique J



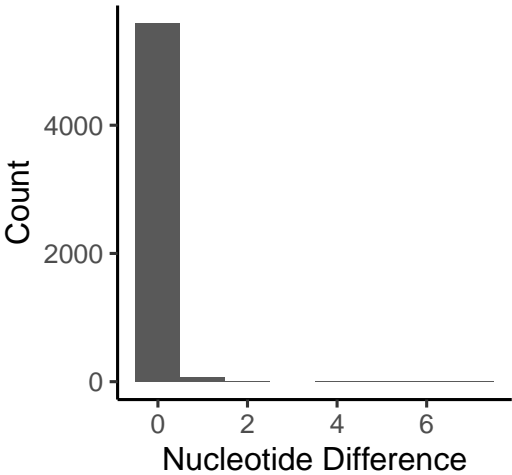
TRBV30*ap02

2258 sequences assigned
2220 (98.3%) exact matches, in which:
2176 unique CDR3
13 unique J



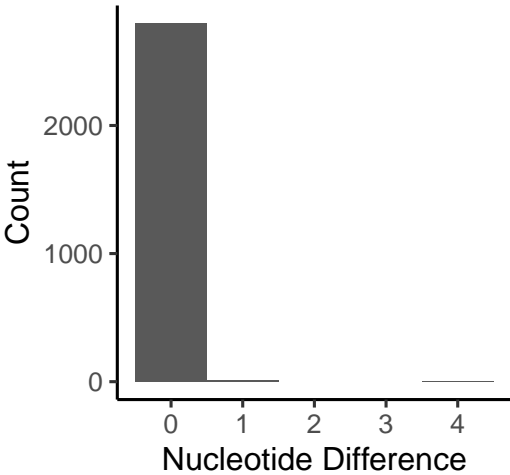
TRBV9*ap01

5660 sequences assigned
5588 (98.7%) exact matches, in which:
5534 unique CDR3
13 unique J



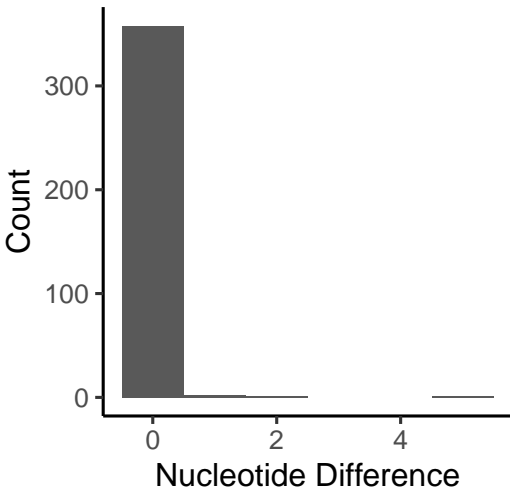
TRBV11-2*ap01

2811 sequences assigned
2797 (99.5%) exact matches, in which:
2776 unique CDR3
13 unique J



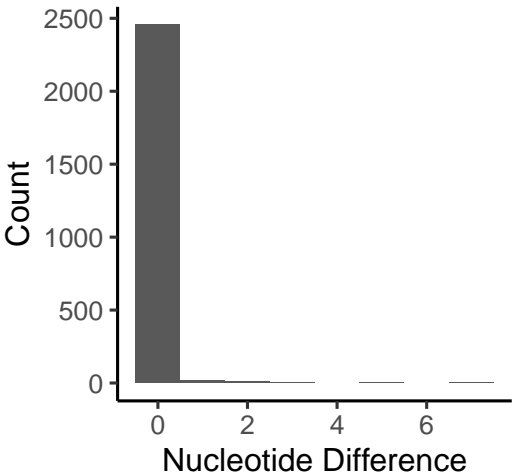
TRBV12-2*ap01

362 sequences assigned
358 (98.9%) exact matches, in which:
351 unique CDR3
13 unique J



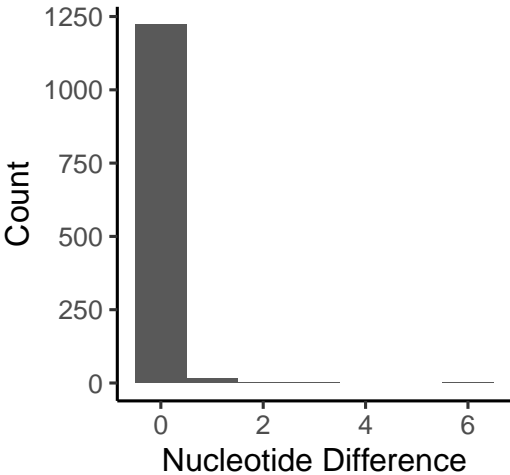
TRBV21-1*ap01

2486 sequences assigned
2456 (98.8%) exact matches, in which:
2433 unique CDR3
13 unique J



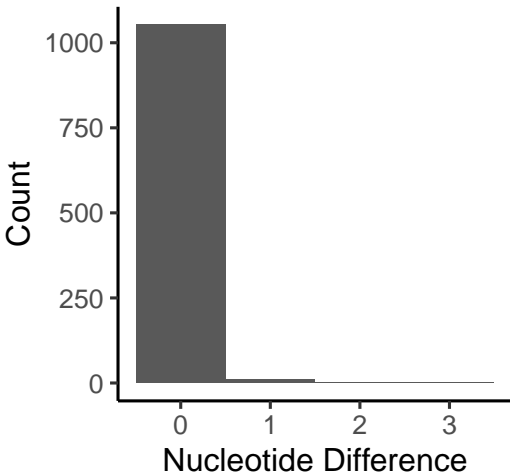
TRBV11-3*ap01

1240 sequences assigned
1222 (98.5%) exact matches, in which:
1213 unique CDR3
14 unique J



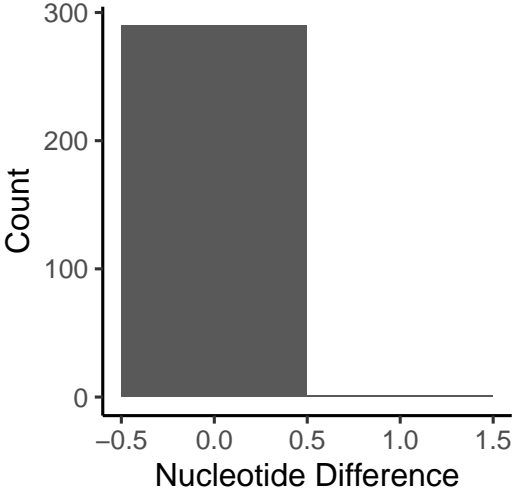
TRBV12-5*ap01

1064 sequences assigned
1053 (99%) exact matches, in which:
1037 unique CDR3
13 unique J



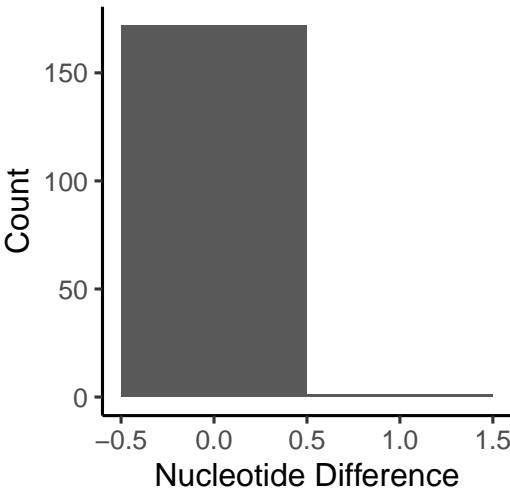
TRBV11-1*ap01

291 sequences assigned
290 (99.7%) exact matches, in which:
290 unique CDR3
13 unique J



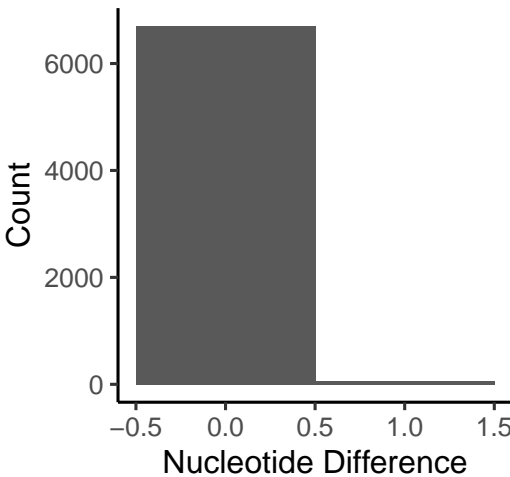
TRBV12-1*ap01

173 sequences assigned
172 (99.4%) exact matches, in which:
170 unique CDR3
12 unique J



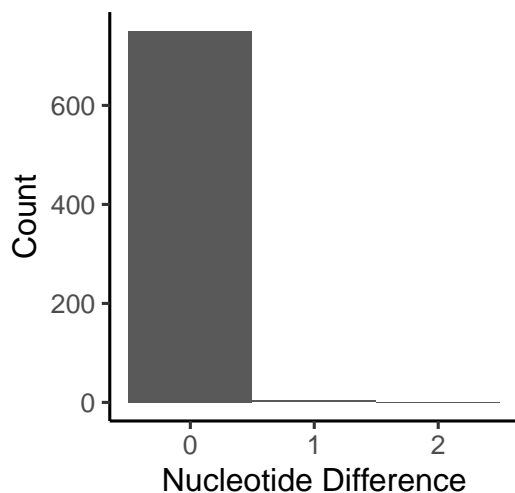
TRBV12-34*ap01

6769 sequences assigned
6701 (99%) exact matches, in which:
6587 unique CDR3
13 unique J



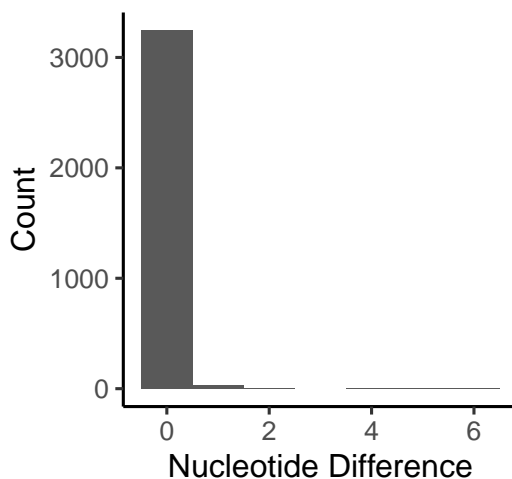
TRBV23–1*ap01

756 sequences assigned
751 (99.3%) exact matches, in which:
743 unique CDR3
13 unique J



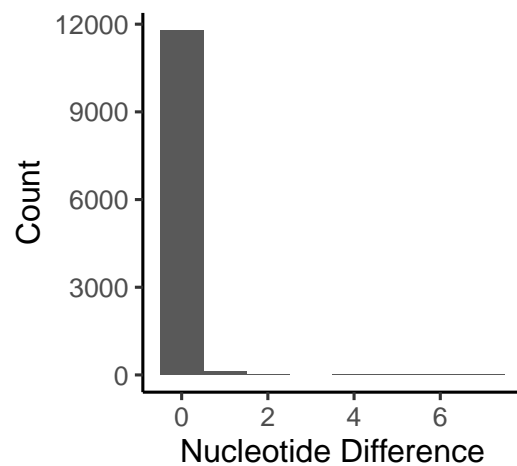
TRBV4–1*ap01

3290 sequences assigned
3245 (98.6%) exact matches, in which:
3179 unique CDR3
13 unique J



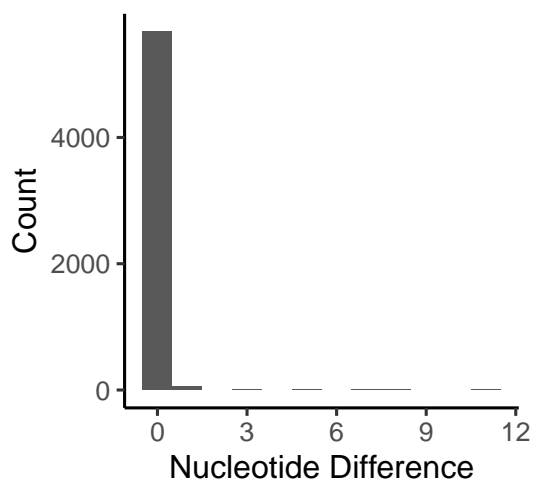
TRBV5–1*ap01

11934 sequences assigned
11796 (98.8%) exact matches, in which:
11506 unique CDR3
13 unique J



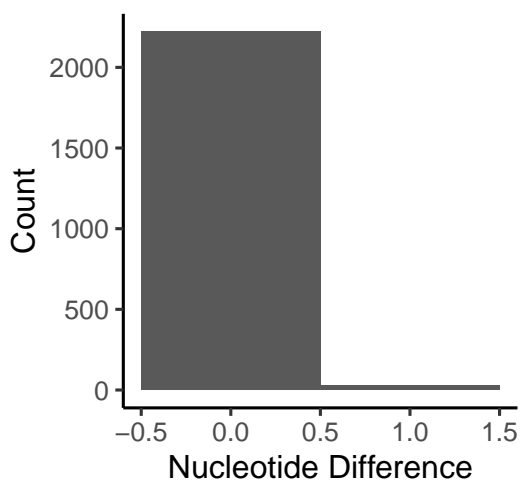
TRBV3–12*ap01

5732 sequences assigned
5675 (99%) exact matches, in which:
5614 unique CDR3
13 unique J



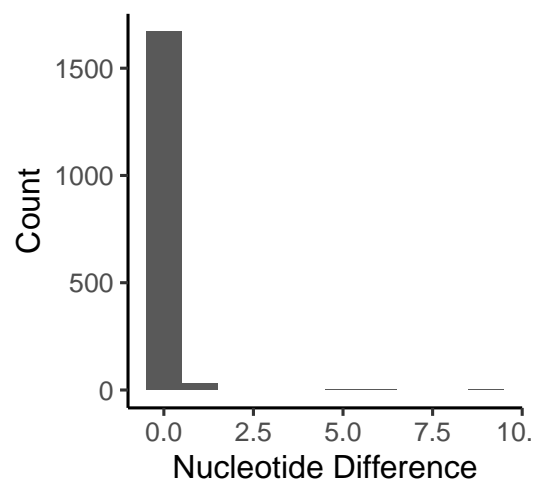
TRBV4–2*ap01

2251 sequences assigned
2221 (98.7%) exact matches, in which:
2184 unique CDR3
13 unique J



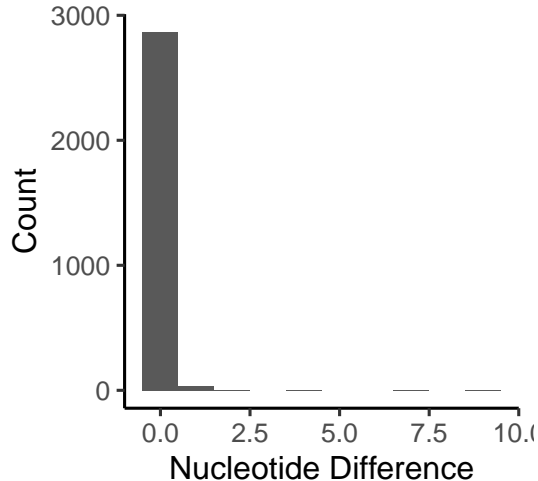
TRBV25–1*ap01

1704 sequences assigned
1670 (98%) exact matches, in which:
1634 unique CDR3
13 unique J



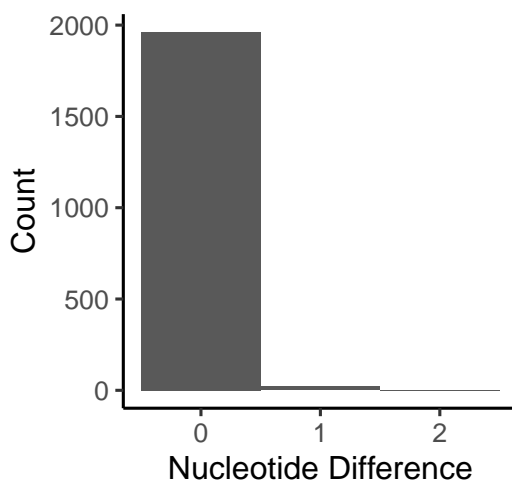
TRBV24–1*ap01

2912 sequences assigned
2866 (98.4%) exact matches, in which:
2822 unique CDR3
13 unique J



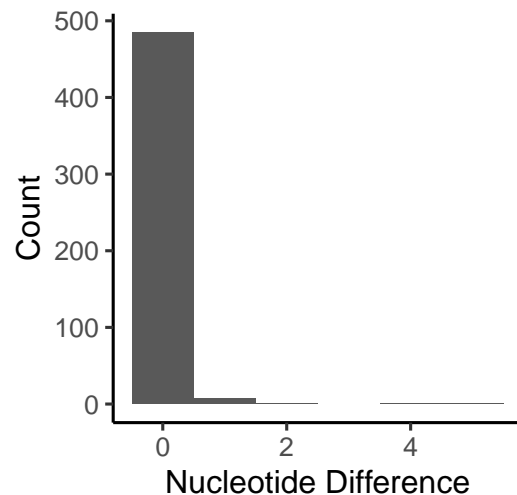
TRBV4–3*ap01

1983 sequences assigned
1962 (98.9%) exact matches, in which:
1929 unique CDR3
13 unique J



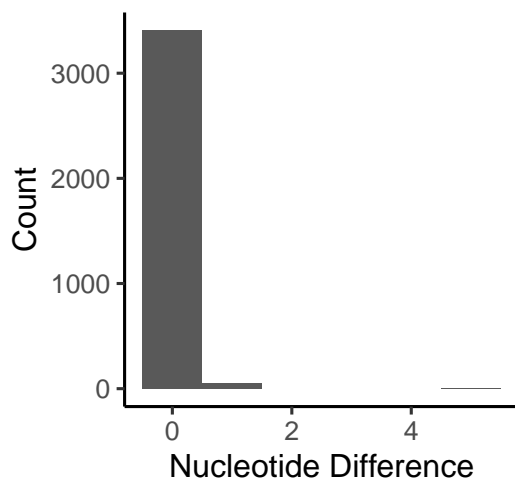
TRBV5–3*ap01

495 sequences assigned
485 (98%) exact matches, in which:
475 unique CDR3
13 unique J



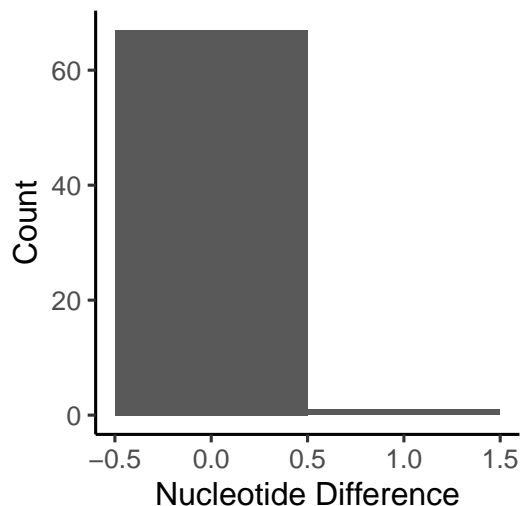
TRBV5-4*ap01

3458 sequences assigned
3407 (98.5%) exact matches, in which:
3321 unique CDR3
13 unique J



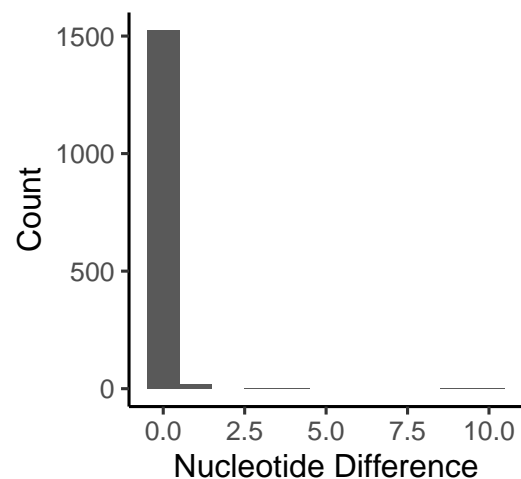
TRBV5-7*ap01

68 sequences assigned
67 (98.5%) exact matches, in which:
64 unique CDR3
12 unique J



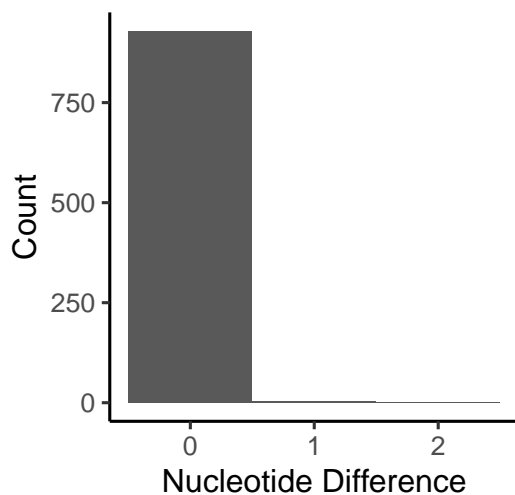
TRBV6-4*ap01

1549 sequences assigned
1524 (98.4%) exact matches, in which:
1499 unique CDR3
13 unique J



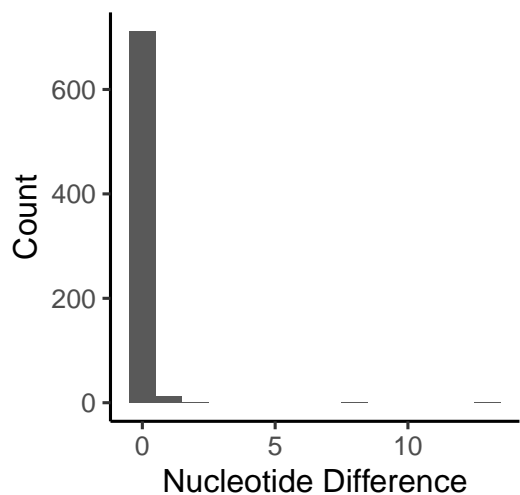
TRBV5-5*ap01

934 sequences assigned
929 (99.5%) exact matches, in which:
923 unique CDR3
13 unique J



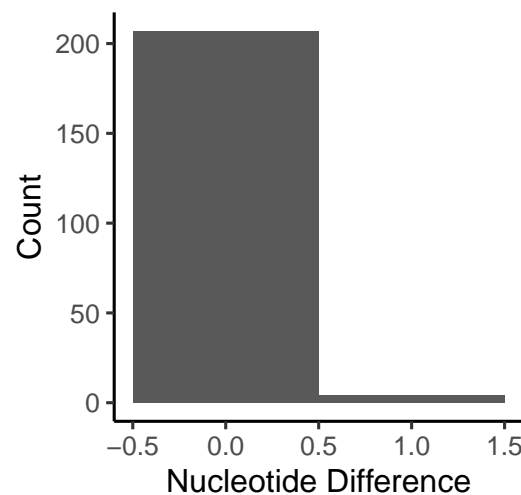
TRBV5-8*ap01

727 sequences assigned
712 (97.9%) exact matches, in which:
699 unique CDR3
13 unique J



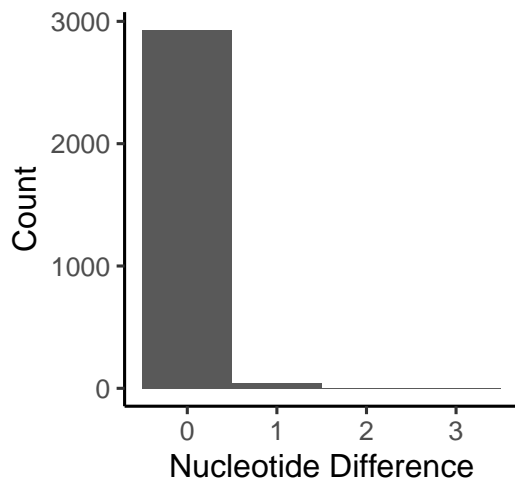
TRBV6-7*ap01

211 sequences assigned
207 (98.1%) exact matches, in which:
200 unique CDR3
13 unique J



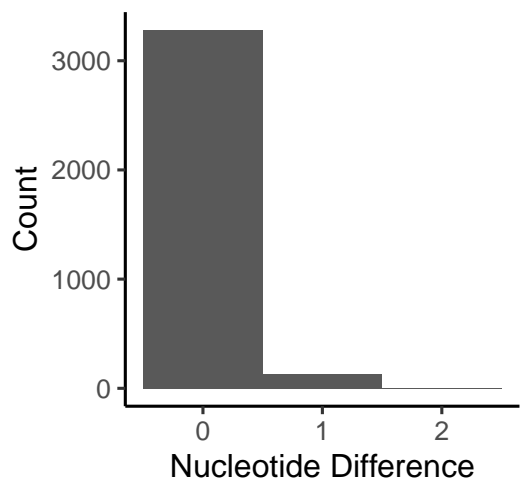
TRBV5-6*ap01

2974 sequences assigned
2929 (98.5%) exact matches, in which:
2842 unique CDR3
13 unique J



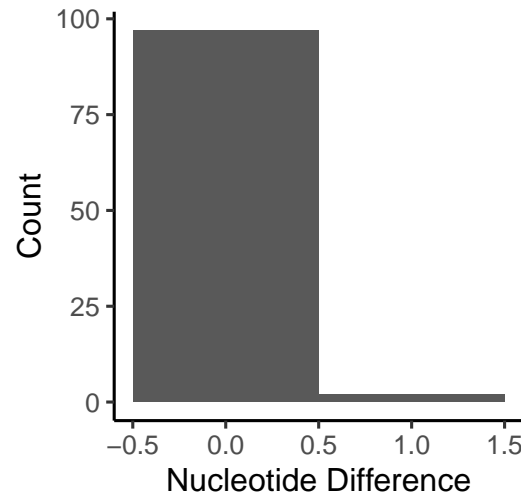
TRBV6-1*ap01

3415 sequences assigned
3281 (96.1%) exact matches, in which:
3211 unique CDR3
13 unique J



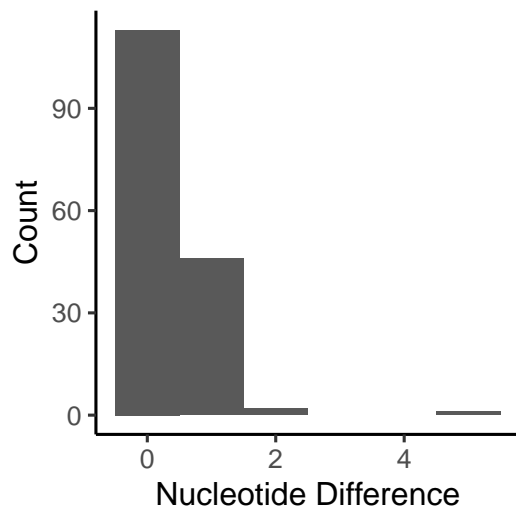
TRBV6-8*ap01

99 sequences assigned
97 (98%) exact matches, in which:
94 unique CDR3
13 unique J



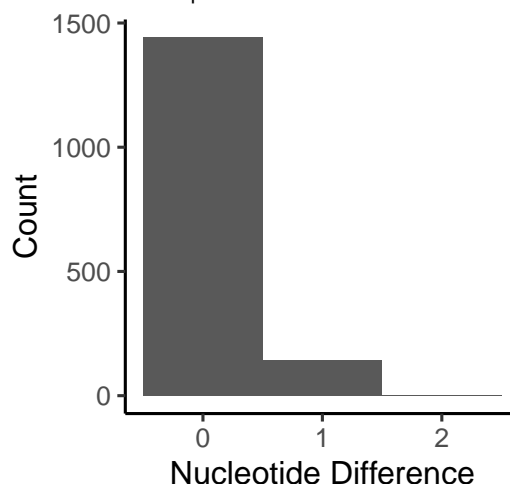
TRBV6–9*ap01

162 sequences assigned
113 (69.8%) exact matches, in which:
107 unique CDR3
11 unique J



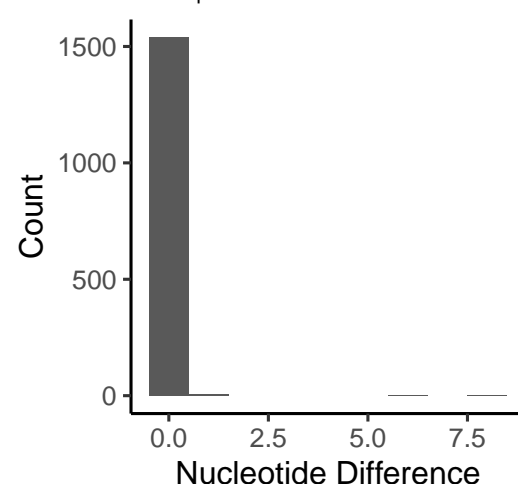
TRBV6–56*ap02

1585 sequences assigned
1442 (91%) exact matches, in which:
1399 unique CDR3
13 unique J



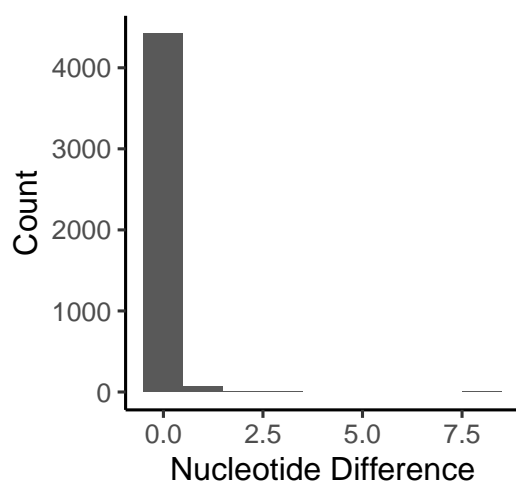
TRBV7–3*ap01

1548 sequences assigned
1539 (99.4%) exact matches, in which:
1515 unique CDR3
13 unique J



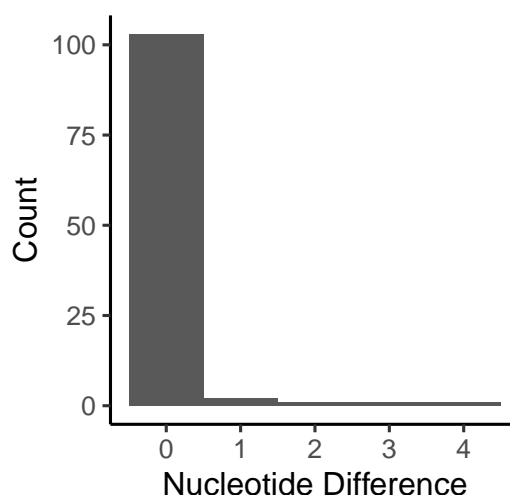
TRBV6–23*ap01

4486 sequences assigned
4420 (98.5%) exact matches, in which:
4313 unique CDR3
13 unique J



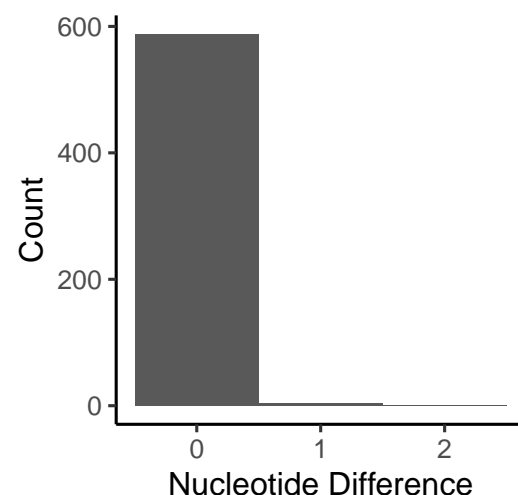
TRBV7–1*ap01_G291C_

108 sequences assigned
103 (95.4%) exact matches, in which:
99 unique CDR3
12 unique J



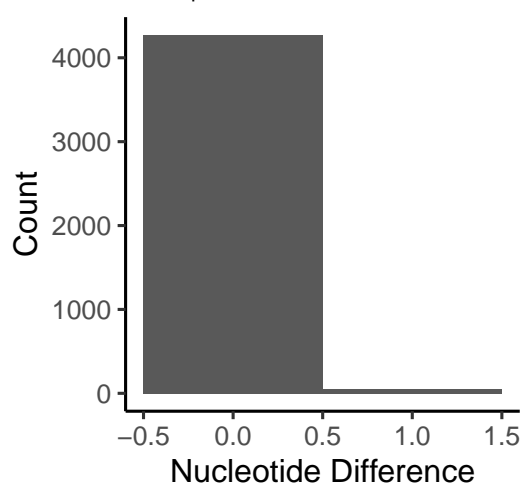
TRBV7–3*ap02

593 sequences assigned
588 (99.2%) exact matches, in which:
579 unique CDR3
13 unique J



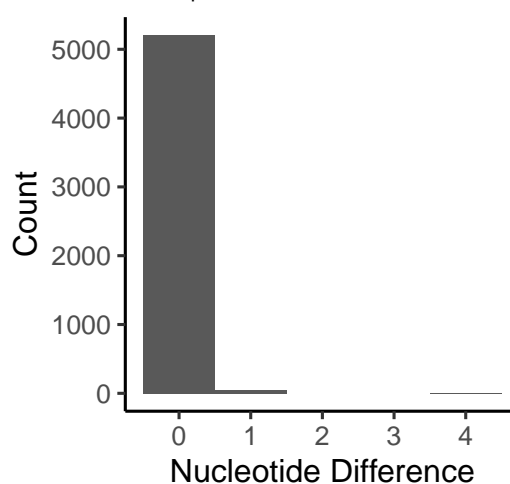
TRBV6–56*ap01

4320 sequences assigned
4271 (98.9%) exact matches, in which:
4160 unique CDR3
13 unique J



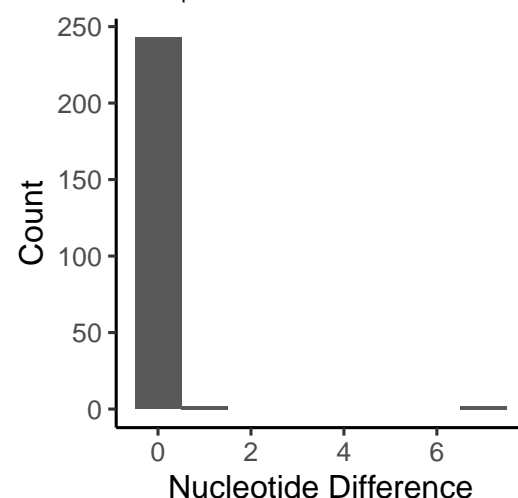
TRBV7–2*ap01

5258 sequences assigned
5207 (99%) exact matches, in which:
5135 unique CDR3
13 unique J



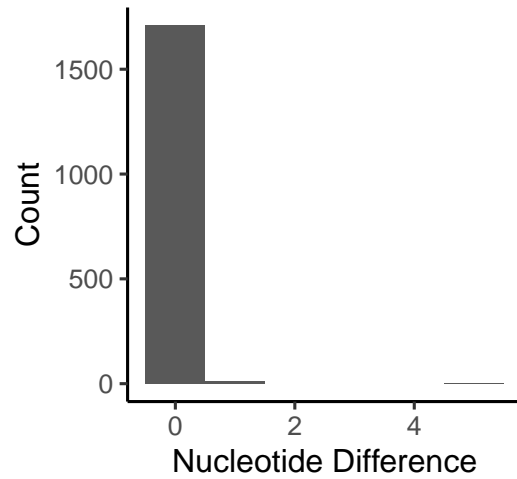
TRBV7–4*ap01

247 sequences assigned
243 (98.4%) exact matches, in which:
238 unique CDR3
13 unique J



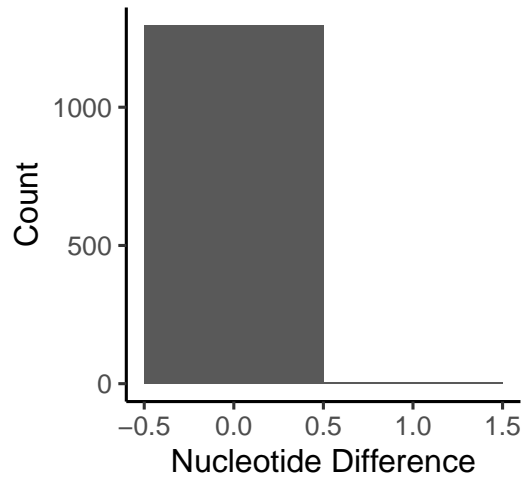
TRBV7-6*ap01

1724 sequences assigned
1709 (99.1%) exact matches, in which:
1667 unique CDR3
13 unique J



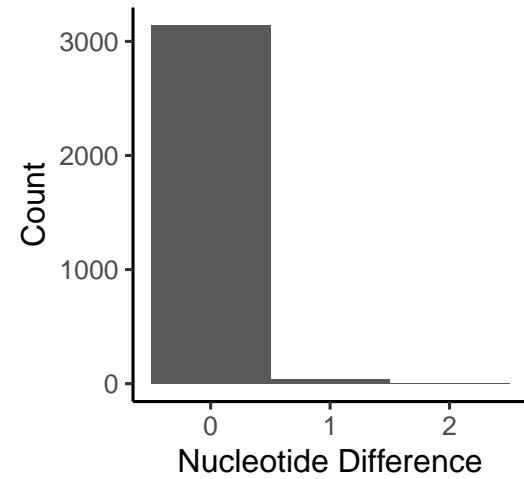
TRBV7-8*ap01

1302 sequences assigned
1296 (99.5%) exact matches, in which:
1269 unique CDR3
13 unique J



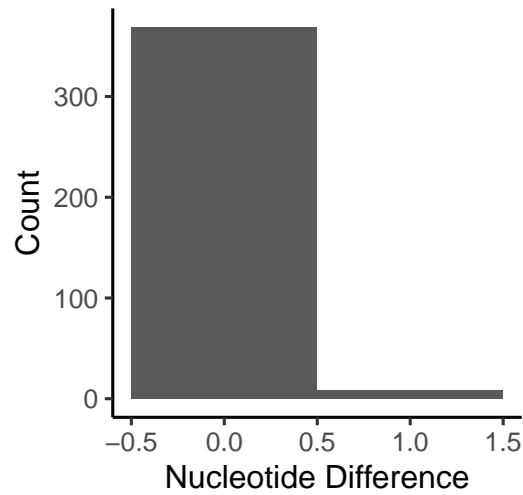
TRBV29-1*ap01

3183 sequences assigned
3140 (98.6%) exact matches, in which:
3040 unique CDR3
13 unique J



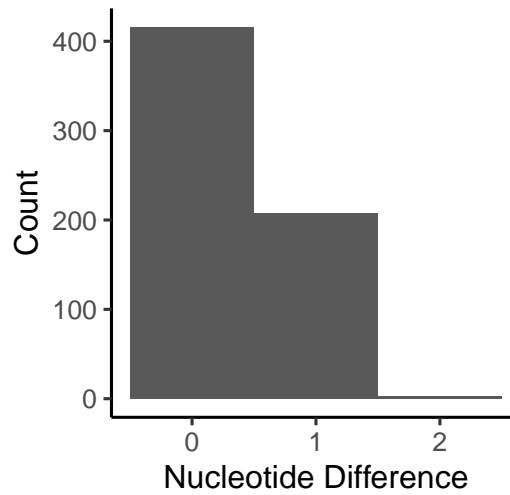
TRBV7-7*ap01

377 sequences assigned
369 (97.9%) exact matches, in which:
362 unique CDR3
13 unique J



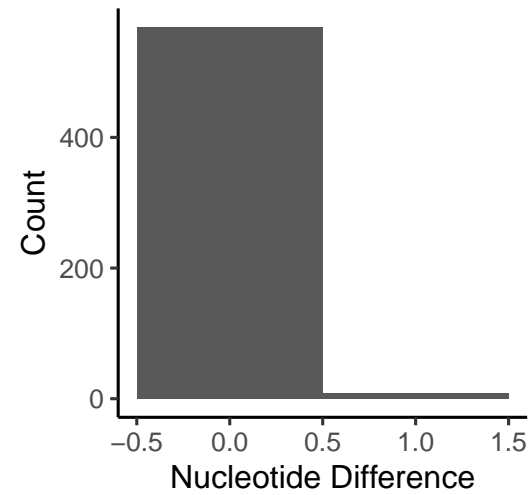
TRBV7-8*ap03

627 sequences assigned
416 (66.3%) exact matches, in which:
410 unique CDR3
13 unique J



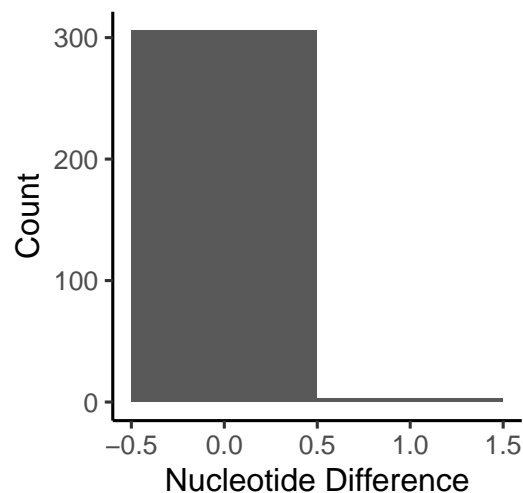
TRBV29-1*ap02

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



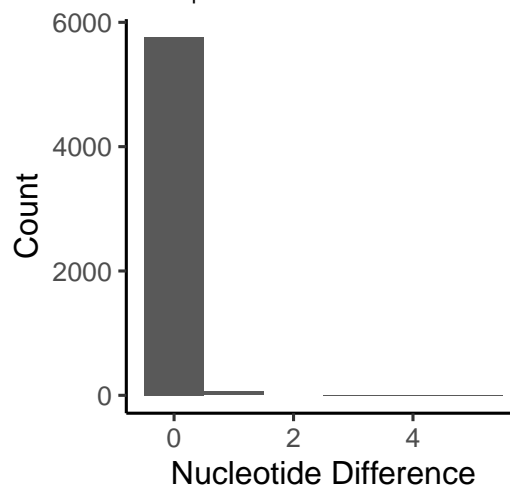
TRBV7-7*ap01_C315T

309 sequences assigned
306 (99%) exact matches, in which:
294 unique CDR3
13 unique J

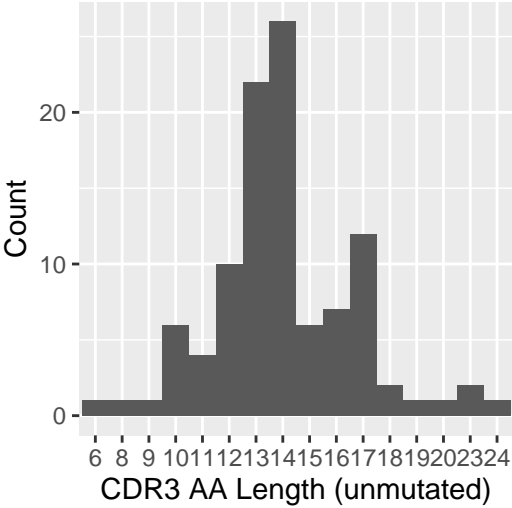


TRBV7-9*ap01

5826 sequences assigned
5763 (98.9%) exact matches, in which:
5666 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

