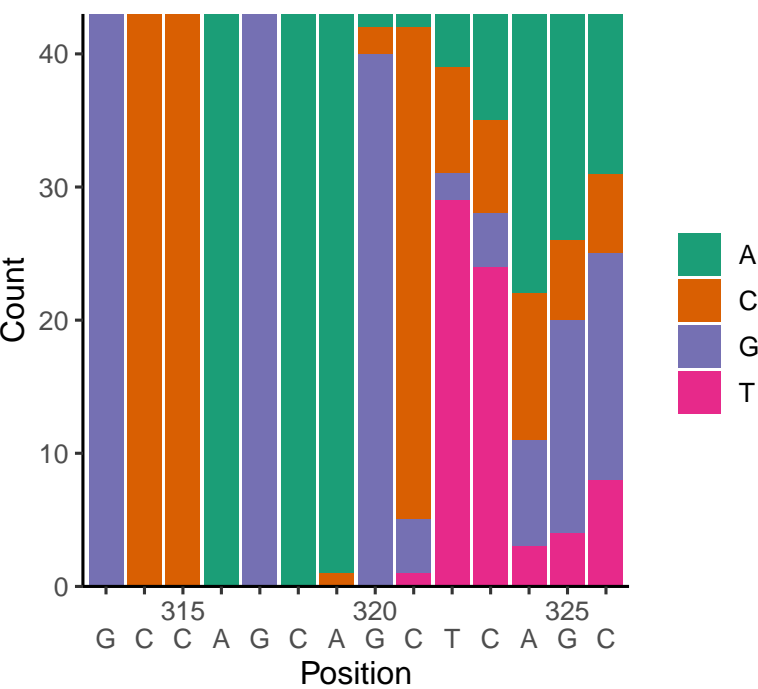
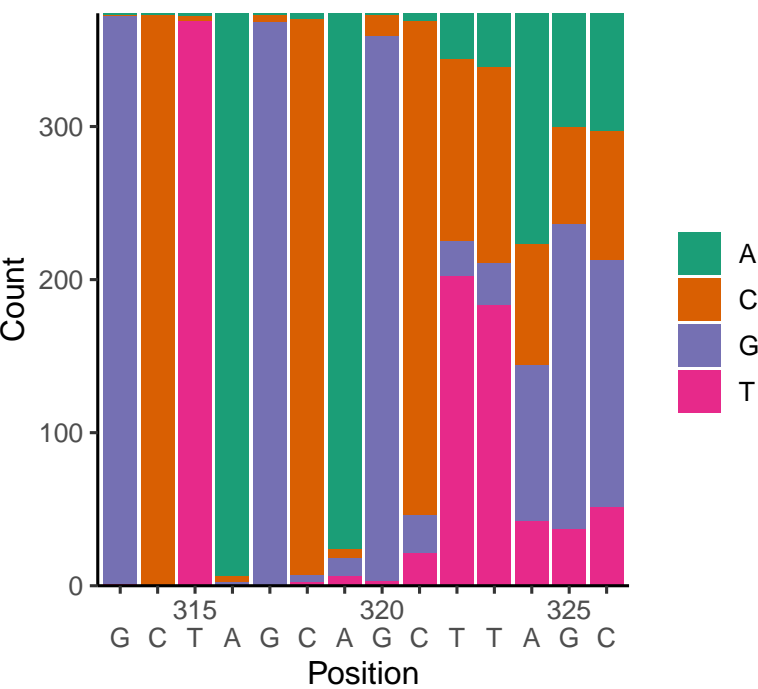


Gene TRBV7-1*ap01_G291C_T296C



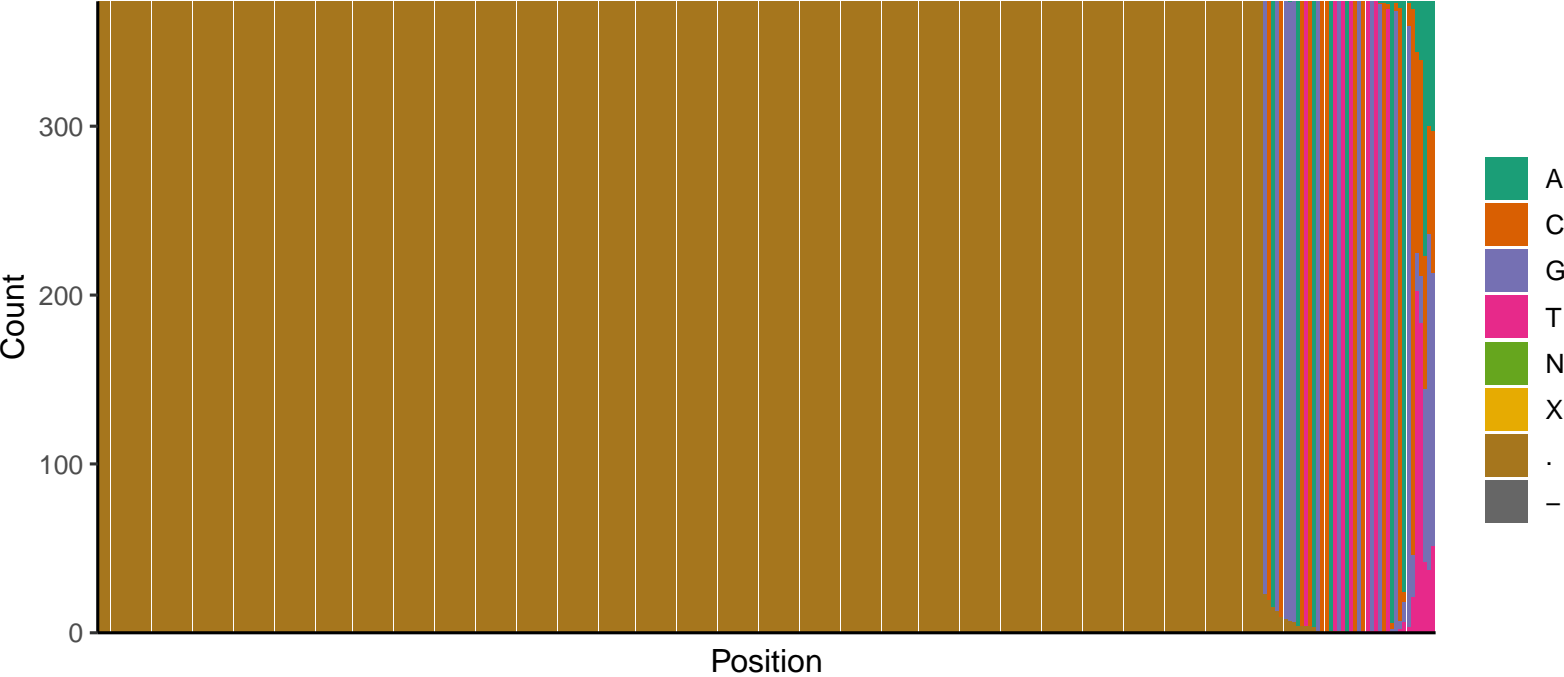
Gene TRBV7-7*ap01_C315T



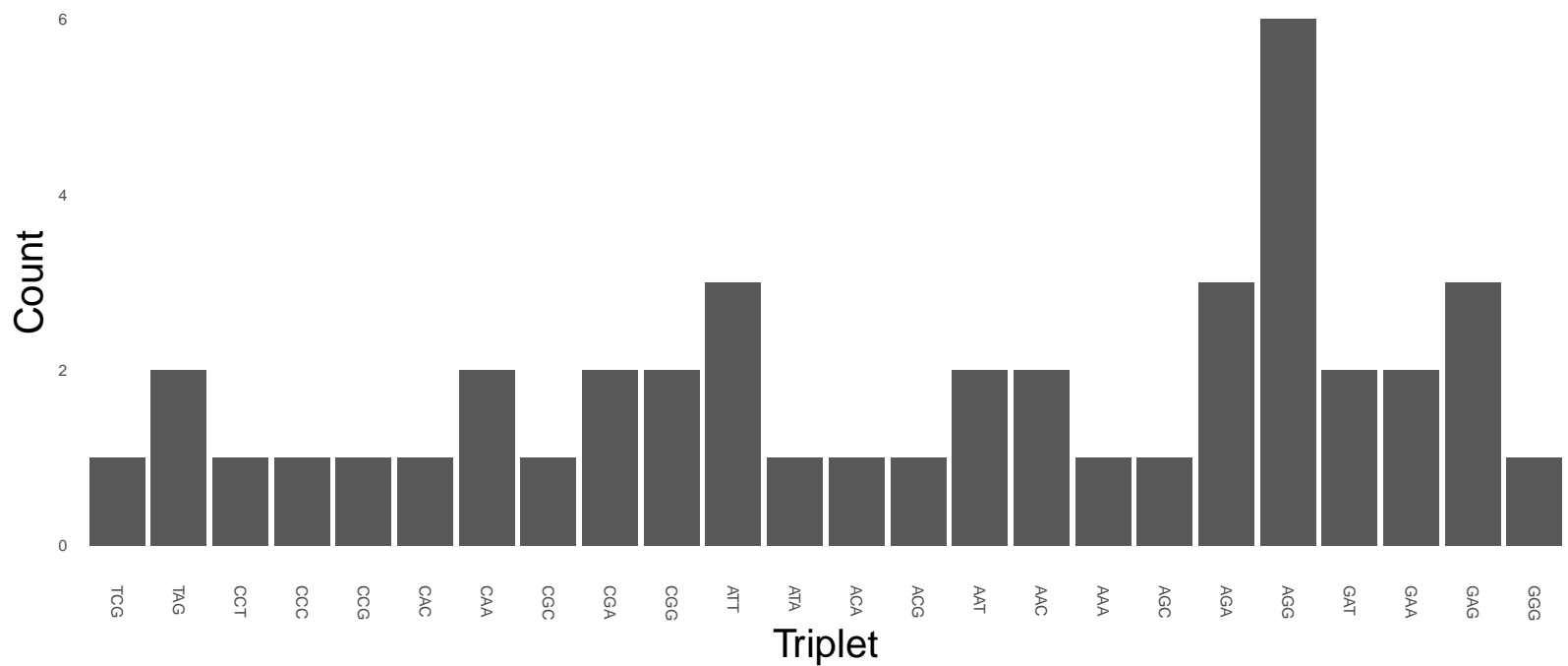
Gene TRBV7-1*ap01_G291C_T296C



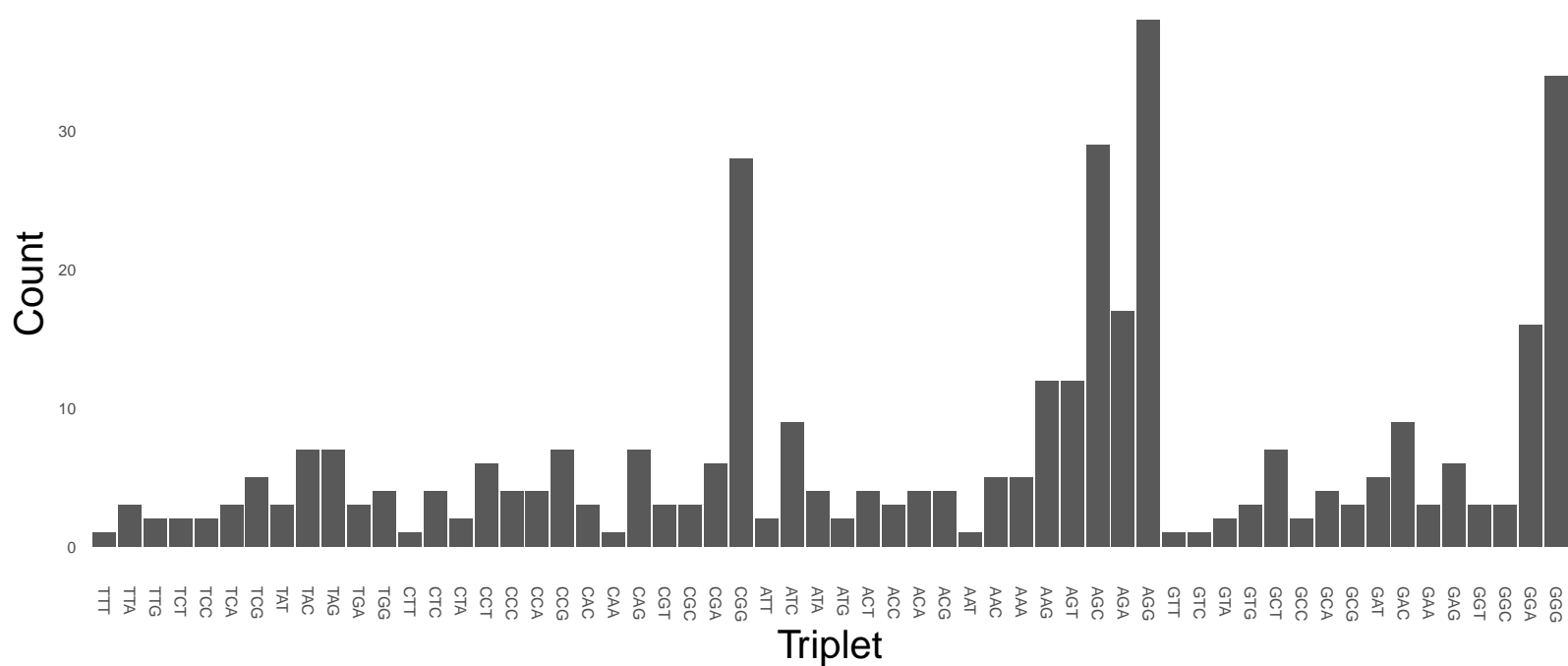
Gene TRBV7-7*ap01_C315T



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

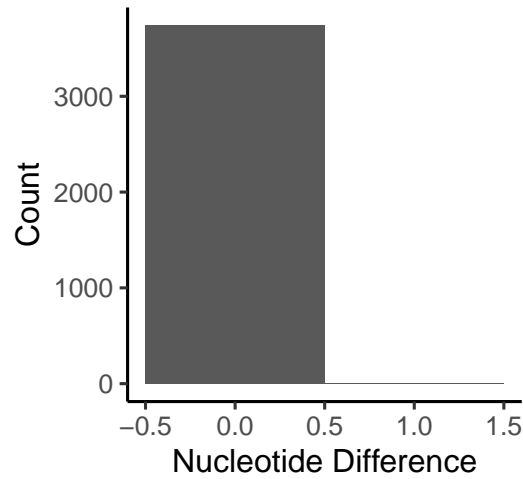


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



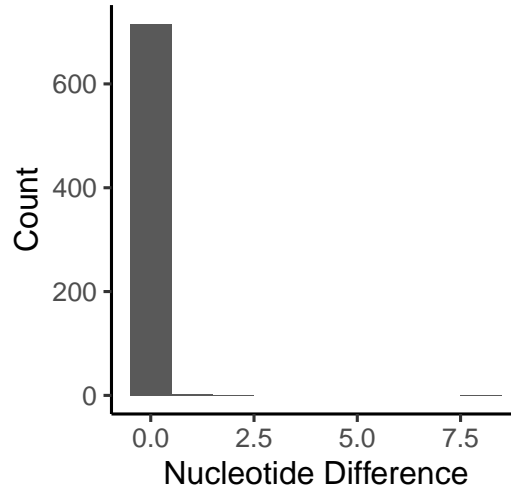
TRBV20–1*ap01

3750 sequences assigned
3740 (99.7%) exact matches, in which:
3729 unique CDR3
13 unique J



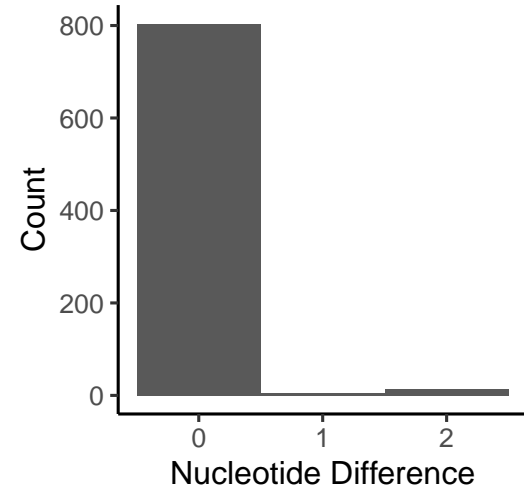
TRBV10–2*ap01

721 sequences assigned
716 (99.3%) exact matches, in which:
715 unique CDR3
12 unique J



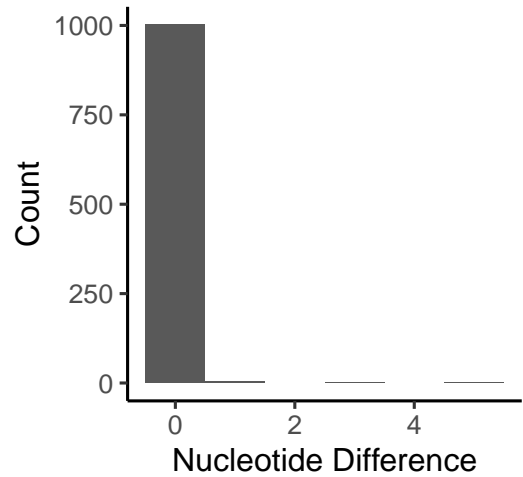
TRBV13*ap01

823 sequences assigned
804 (97.7%) exact matches, in which:
802 unique CDR3
12 unique J



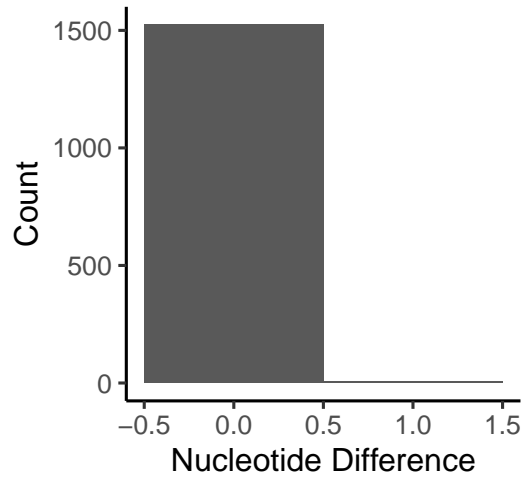
TRBV10–1*ap01

1007 sequences assigned
1002 (99.5%) exact matches, in which:
1001 unique CDR3
12 unique J



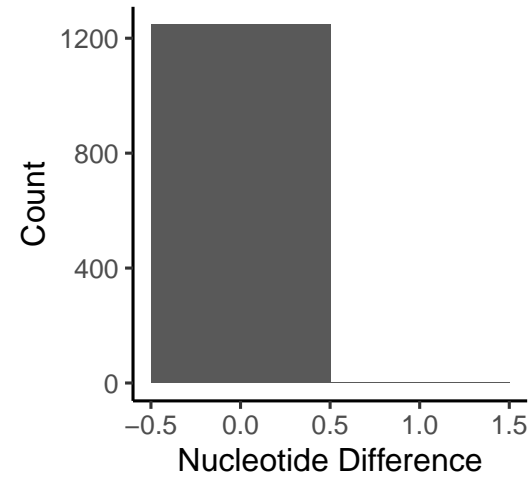
TRBV10–3*ap01

1529 sequences assigned
1524 (99.7%) exact matches, in which:
1521 unique CDR3
12 unique J



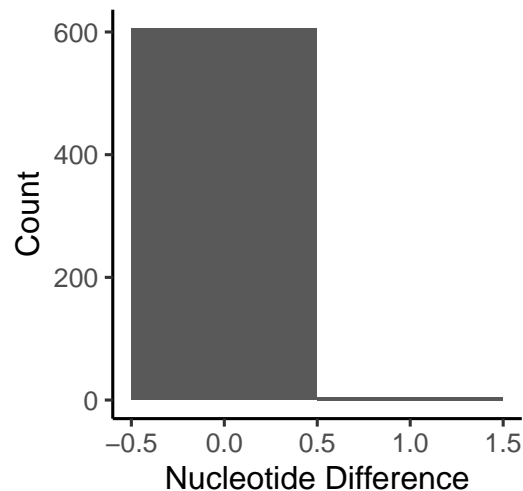
TRBV14*ap01

1248 sequences assigned
1247 (99.9%) exact matches, in which:
1247 unique CDR3
12 unique J



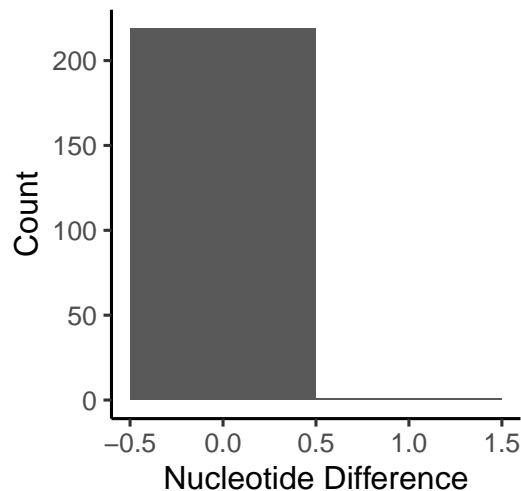
TRBV20–1*ap02

611 sequences assigned
606 (99.2%) exact matches, in which:
604 unique CDR3
12 unique J



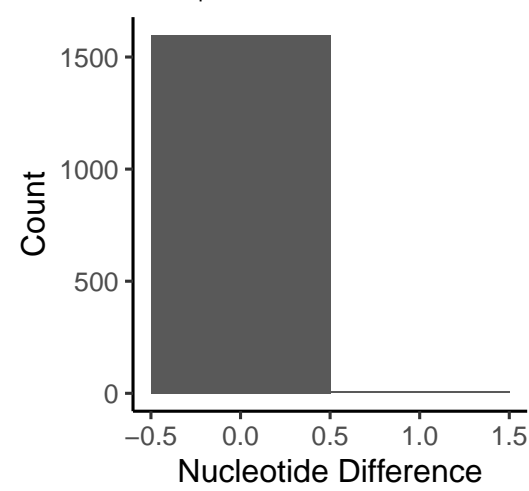
TRBV1*ap01

220 sequences assigned
219 (99.5%) exact matches, in which:
218 unique CDR3
12 unique J



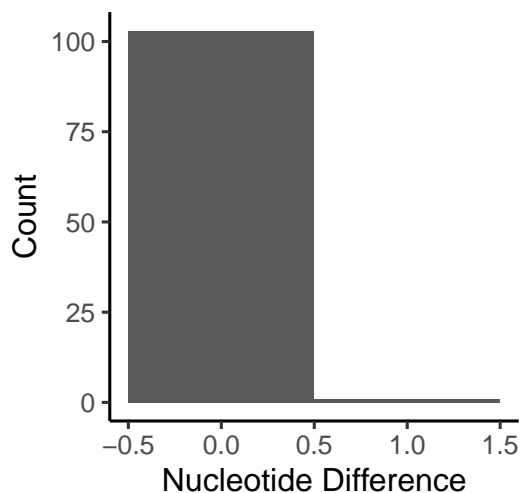
TRBV15*ap02

1606 sequences assigned
1598 (99.5%) exact matches, in which:
1593 unique CDR3
13 unique J



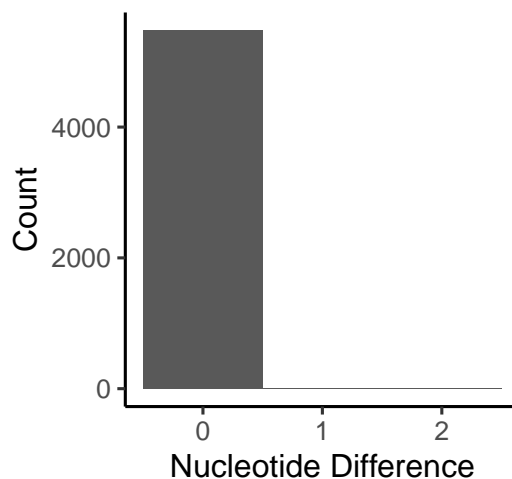
TRBV16*ap01

104 sequences assigned
103 (99%) exact matches, in which:
103 unique CDR3
11 unique J



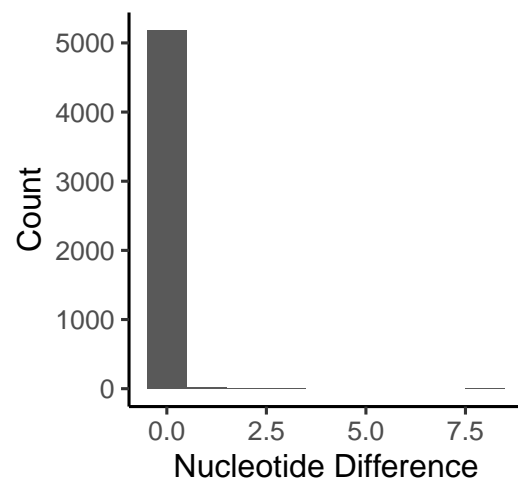
TRBV19*ap01

5493 sequences assigned
5478 (99.7%) exact matches, in which:
5474 unique CDR3
12 unique J



TRBV27*ap01

5204 sequences assigned
5181 (99.6%) exact matches, in which:
5173 unique CDR3
13 unique J



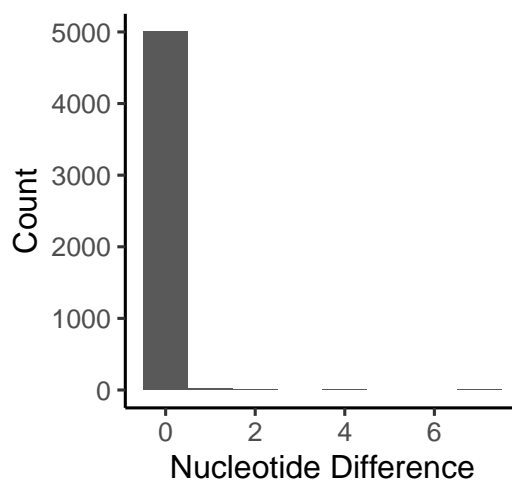
TRBV17*ap01

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



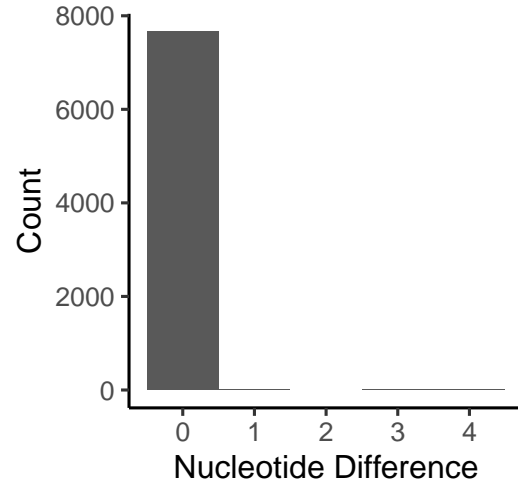
TRBV2*ap01

5028 sequences assigned
5003 (99.5%) exact matches, in which:
4996 unique CDR3
13 unique J



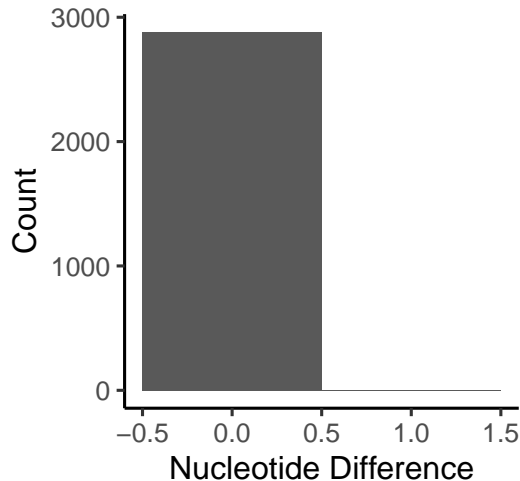
TRBV28*ap01

7678 sequences assigned
7659 (99.8%) exact matches, in which:
7656 unique CDR3
13 unique J



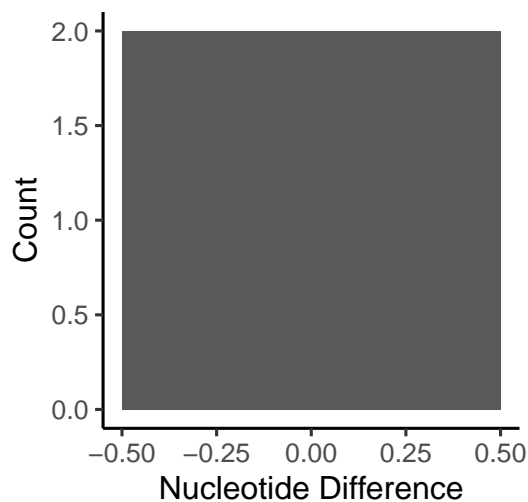
TRBV18*ap01

2883 sequences assigned
2881 (99.9%) exact matches, in which:
2876 unique CDR3
13 unique J



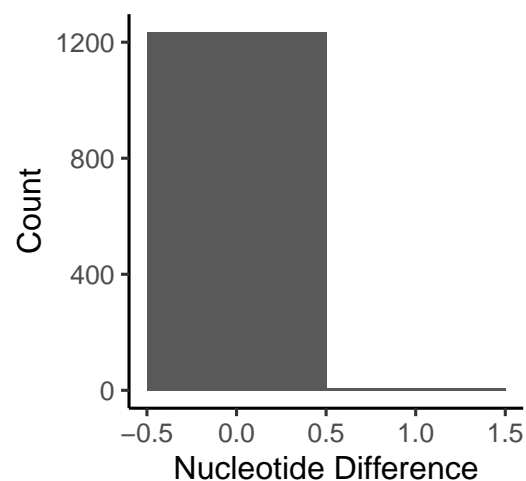
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



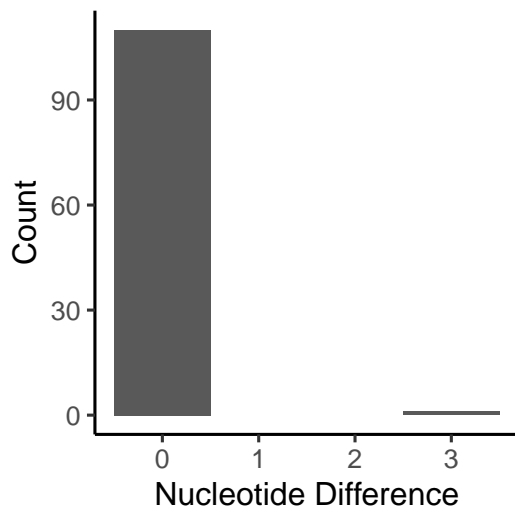
TRBV30*ap01

1243 sequences assigned
1235 (99.4%) exact matches, in which:
1232 unique CDR3
12 unique J



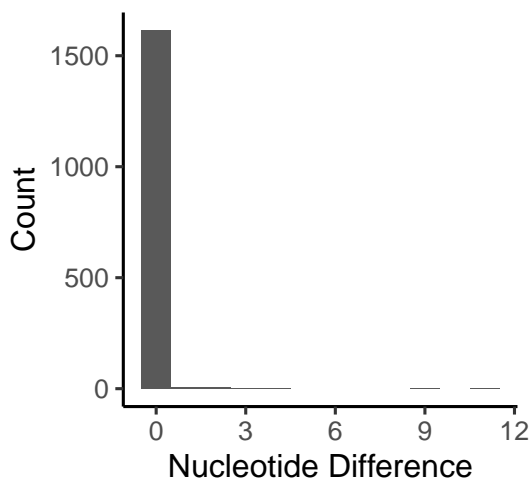
TRBV30*ap02

111 sequences assigned
110 (99.1%) exact matches, in which:
110 unique CDR3
12 unique J



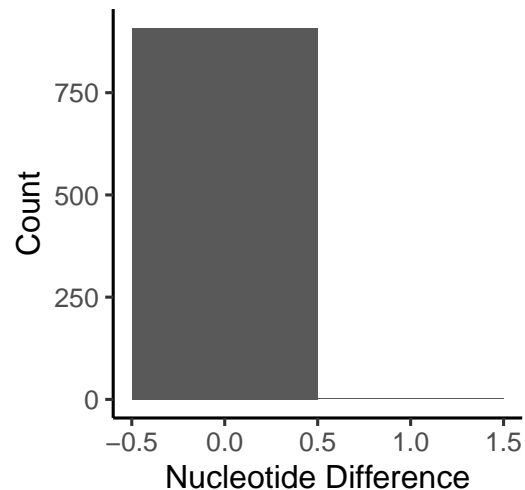
TRBV21-1*ap01

1634 sequences assigned
1614 (98.8%) exact matches, in which:
1614 unique CDR3
12 unique J



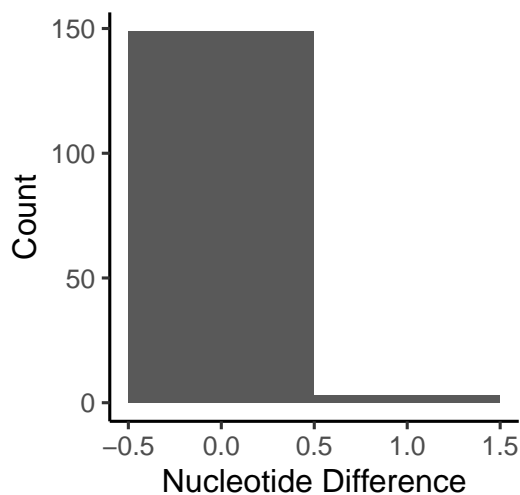
TRBV11-3*ap01

911 sequences assigned
909 (99.8%) exact matches, in which:
907 unique CDR3
12 unique J



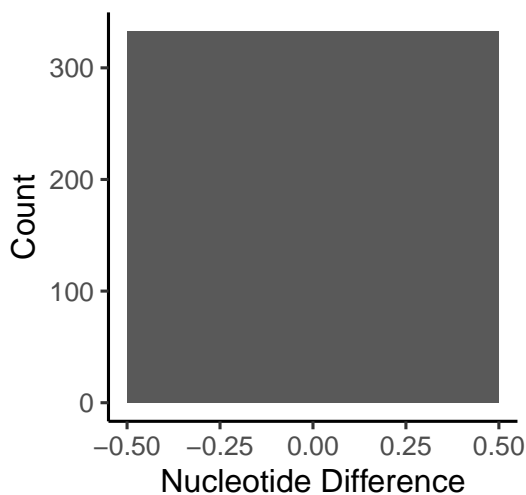
TRBV30*ap03

152 sequences assigned
149 (98%) exact matches, in which:
149 unique CDR3
12 unique J



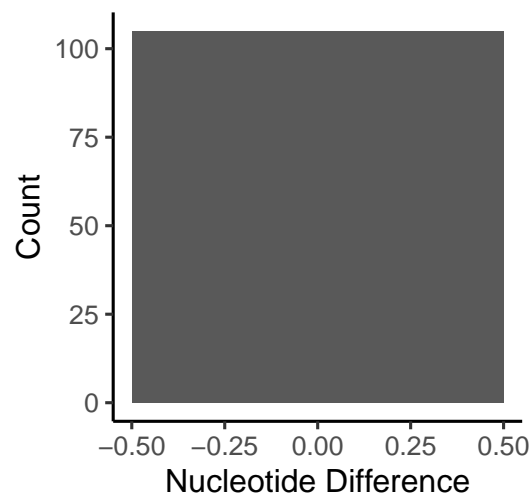
TRBV11-1*ap01

333 sequences assigned
333 (100%) exact matches, in which:
333 unique CDR3
12 unique J



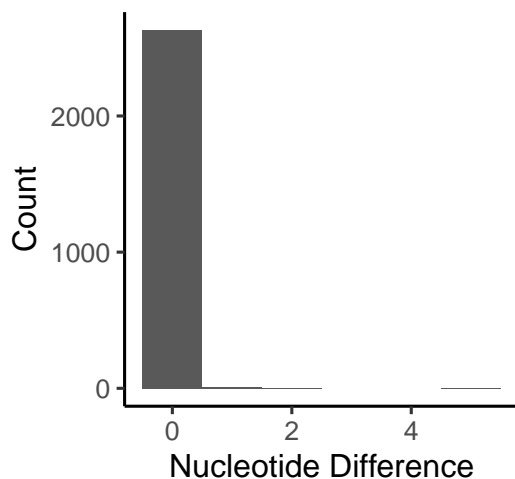
TRBV12-1*ap01

105 sequences assigned
105 (100%) exact matches, in which:
105 unique CDR3
10 unique J



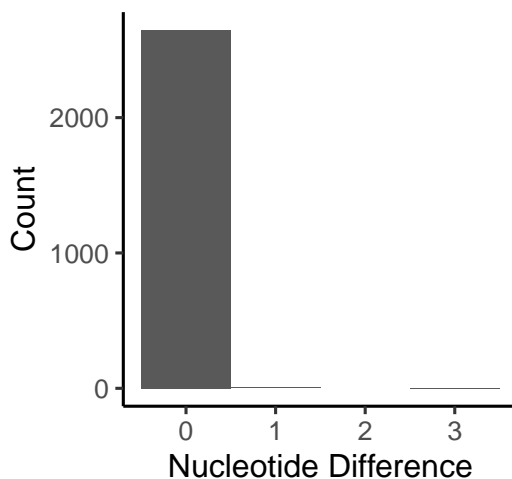
TRBV9*ap01

2644 sequences assigned
2631 (99.5%) exact matches, in which:
2624 unique CDR3
13 unique J



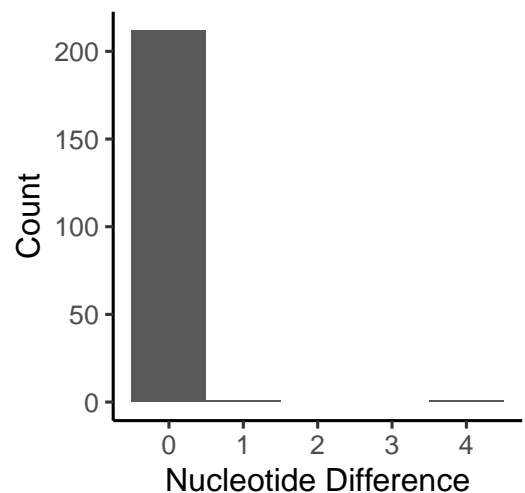
TRBV11-2*ap01

2654 sequences assigned
2647 (99.7%) exact matches, in which:
2641 unique CDR3
12 unique J



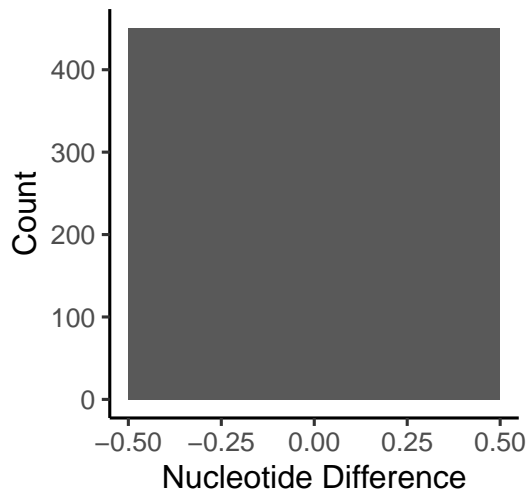
TRBV12-2*ap01

214 sequences assigned
212 (99.1%) exact matches, in which:
212 unique CDR3
12 unique J



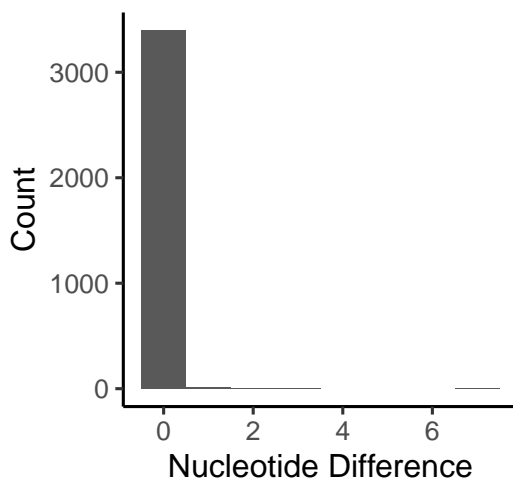
TRBV12–5*ap01

451 sequences assigned
451 (100%) exact matches, in which:
451 unique CDR3
12 unique J



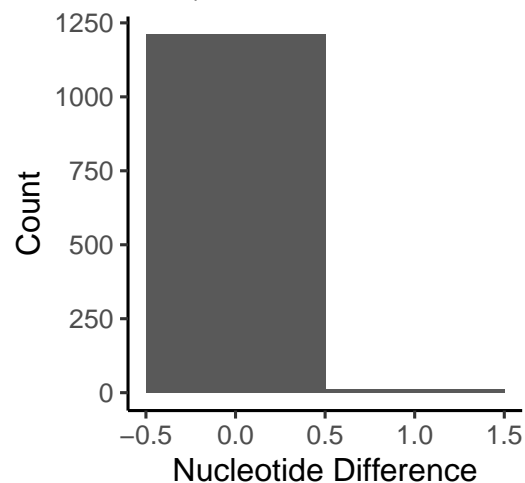
TRBV3–12*ap01

3416 sequences assigned
3397 (99.4%) exact matches, in which:
3388 unique CDR3
12 unique J



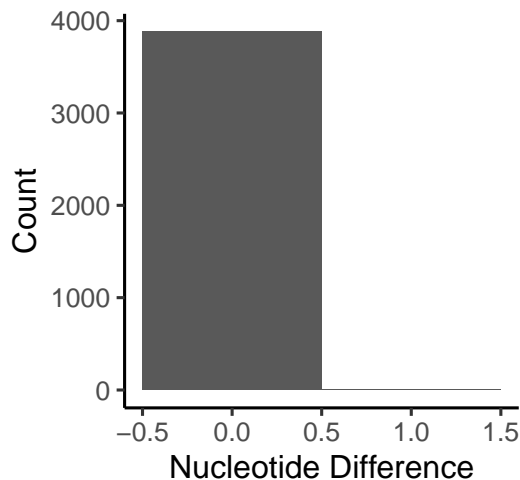
TRBV4–2*ap01

1223 sequences assigned
1211 (99%) exact matches, in which:
1209 unique CDR3
13 unique J



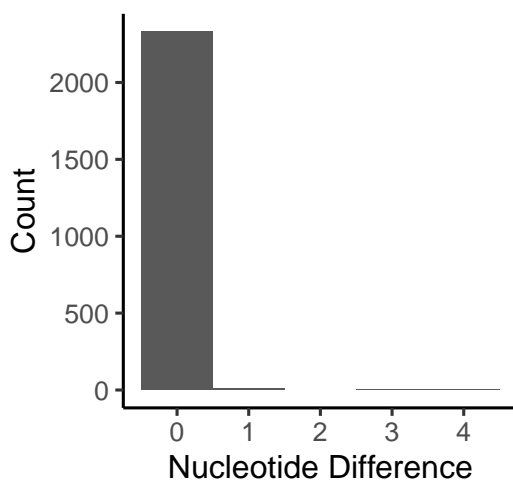
TRBV12–34*ap01

3884 sequences assigned
3880 (99.9%) exact matches, in which:
3875 unique CDR3
13 unique J



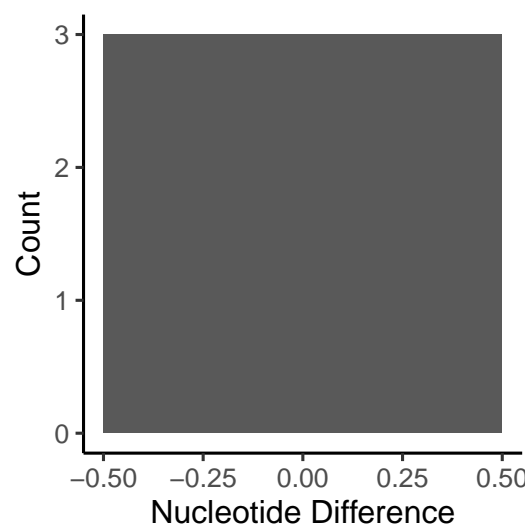
TRBV24–1*ap01

2344 sequences assigned
2330 (99.4%) exact matches, in which:
2327 unique CDR3
12 unique J



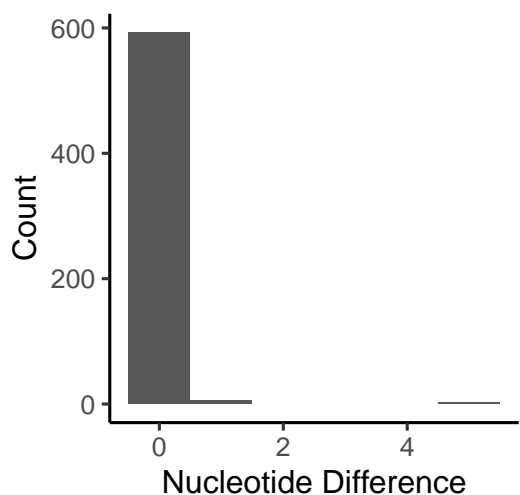
TRBV4–3*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



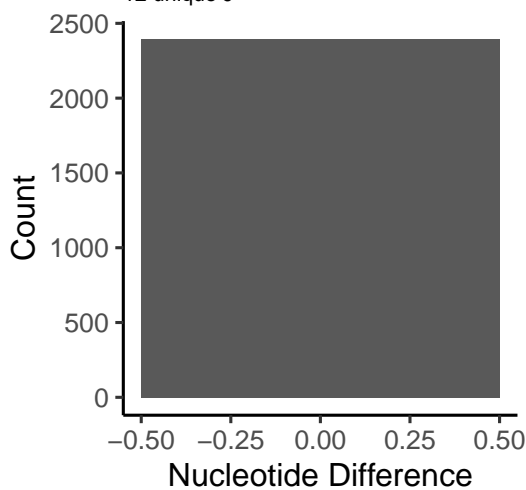
TRBV23–1*ap01

601 sequences assigned
593 (98.7%) exact matches, in which:
593 unique CDR3
12 unique J



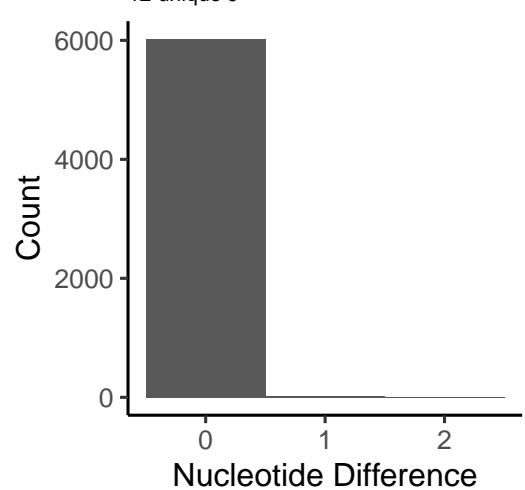
TRBV4–1*ap01

2395 sequences assigned
2395 (100%) exact matches, in which:
2392 unique CDR3
12 unique J



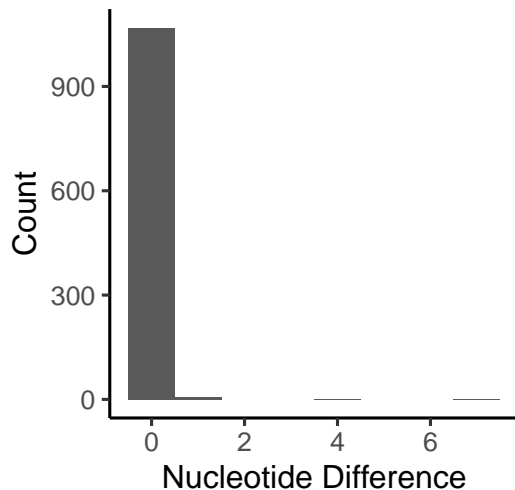
TRBV5–1*ap01

6047 sequences assigned
6022 (99.6%) exact matches, in which:
5990 unique CDR3
12 unique J



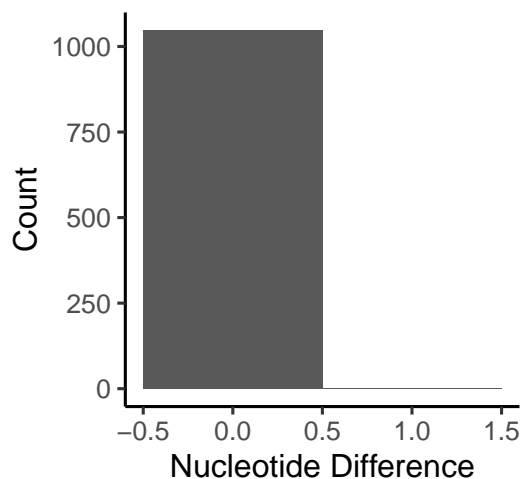
TRBV25–1*ap01

1078 sequences assigned
1069 (99.2%) exact matches, in which:
1069 unique CDR3
12 unique J



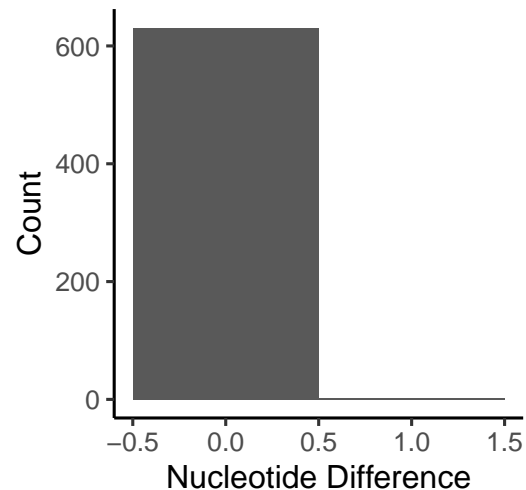
TRBV5–5*ap01

1049 sequences assigned
1047 (99.8%) exact matches, in which:
1046 unique CDR3
12 unique J



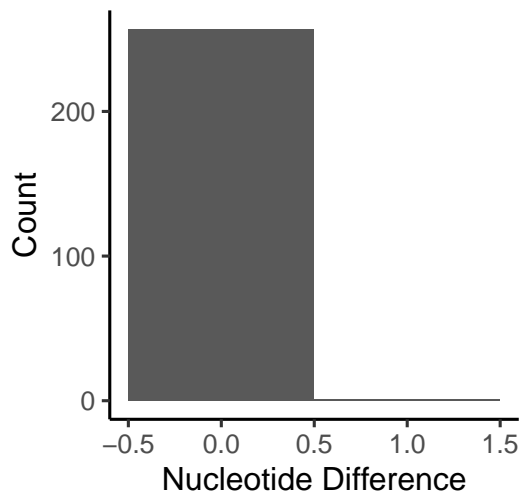
TRBV5–8*ap01

633 sequences assigned
631 (99.7%) exact matches, in which:
631 unique CDR3
12 unique J



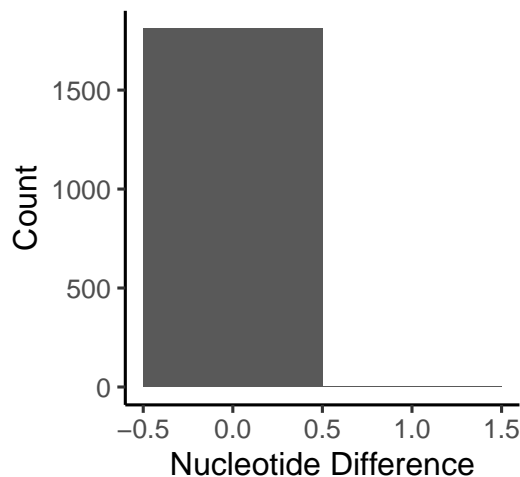
TRBV5–3*ap01

258 sequences assigned
257 (99.6%) exact matches, in which:
256 unique CDR3
12 unique J



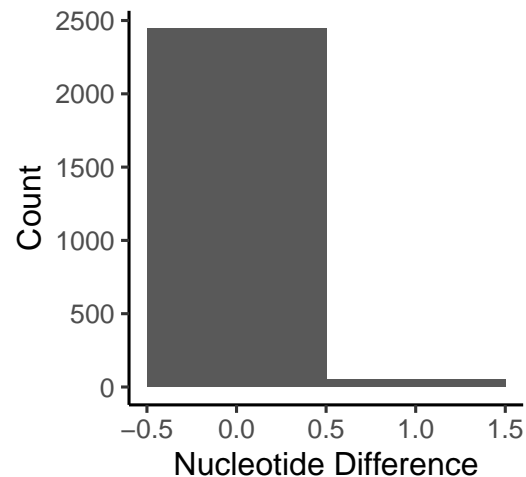
TRBV5–6*ap01

1814 sequences assigned
1810 (99.8%) exact matches, in which:
1804 unique CDR3
13 unique J



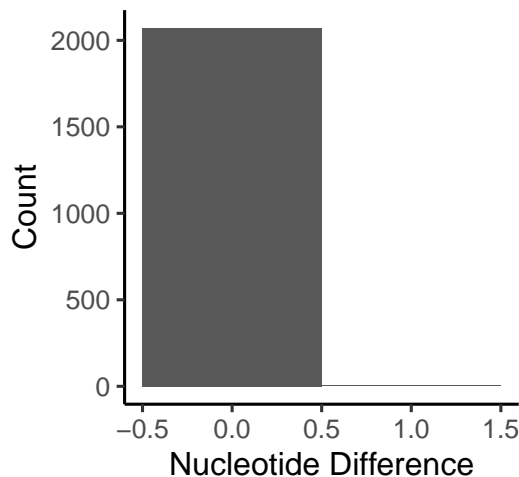
TRBV6–1*ap01

2493 sequences assigned
2444 (98%) exact matches, in which:
2437 unique CDR3
13 unique J



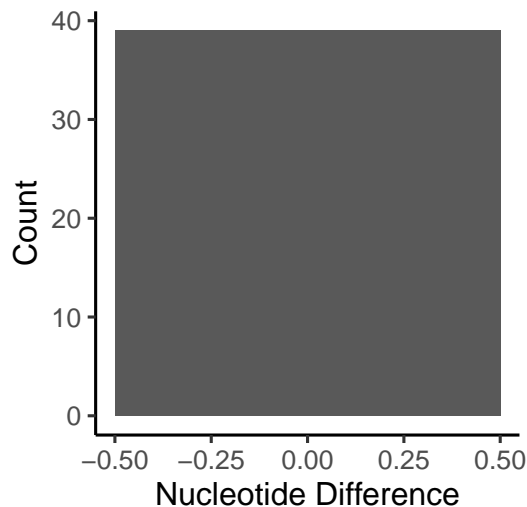
TRBV5–4*ap01

2076 sequences assigned
2071 (99.8%) exact matches, in which:
2065 unique CDR3
12 unique J



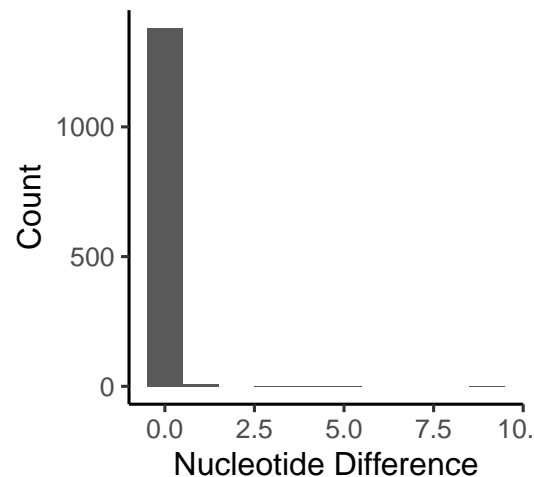
TRBV5–7*ap01

39 sequences assigned
39 (100%) exact matches, in which:
39 unique CDR3
12 unique J



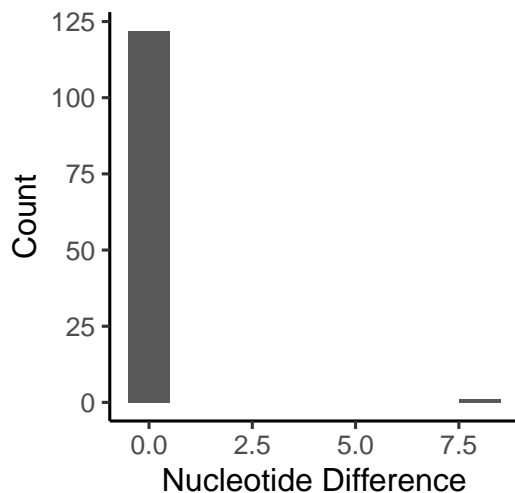
TRBV6–4*ap01

1396 sequences assigned
1381 (98.9%) exact matches, in which:
1378 unique CDR3
13 unique J



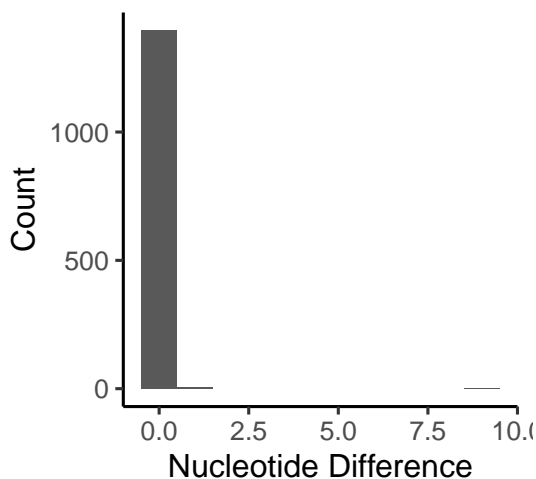
TRBV6-7*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
122 unique CDR3
12 unique J



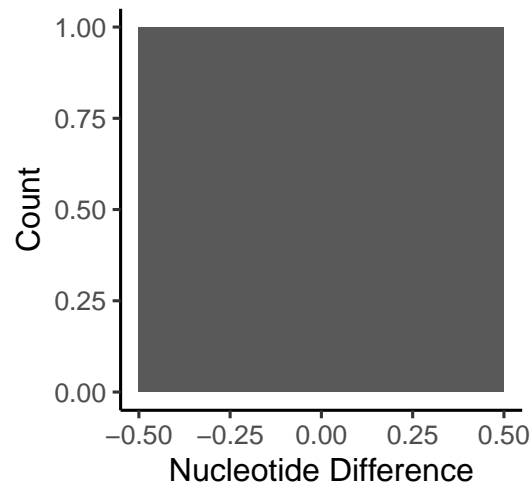
TRBV6-23*ap01

1403 sequences assigned
1396 (99.5%) exact matches, in which:
1395 unique CDR3
13 unique J



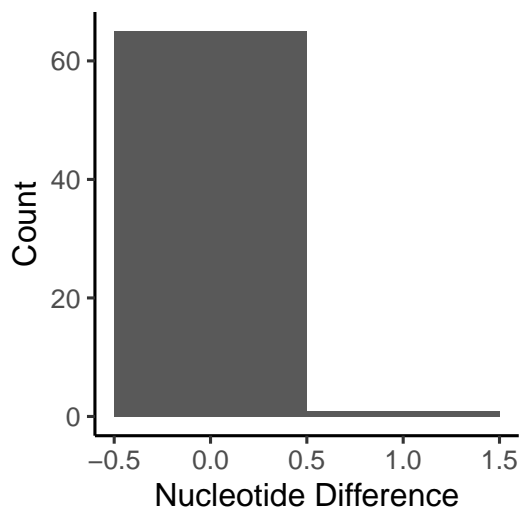
TRBV7-1*ap01

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



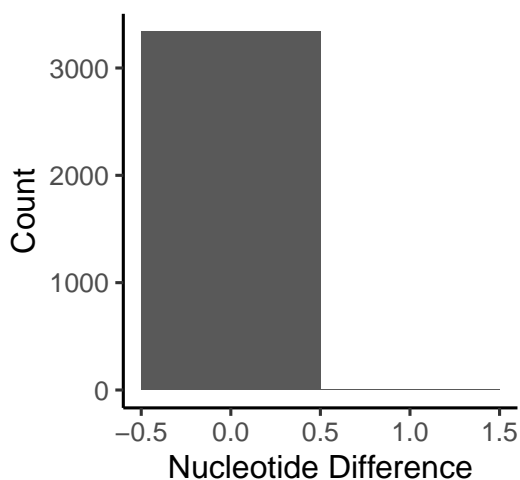
TRBV6-8*ap01

66 sequences assigned
65 (98.5%) exact matches, in which:
65 unique CDR3
10 unique J



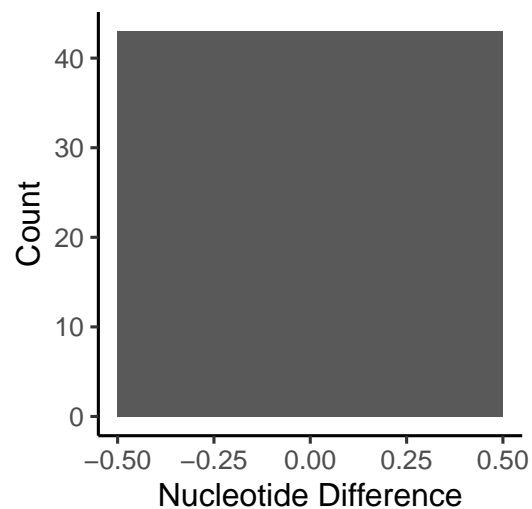
TRBV6-56*ap01

3345 sequences assigned
3338 (99.8%) exact matches, in which:
3330 unique CDR3
13 unique J



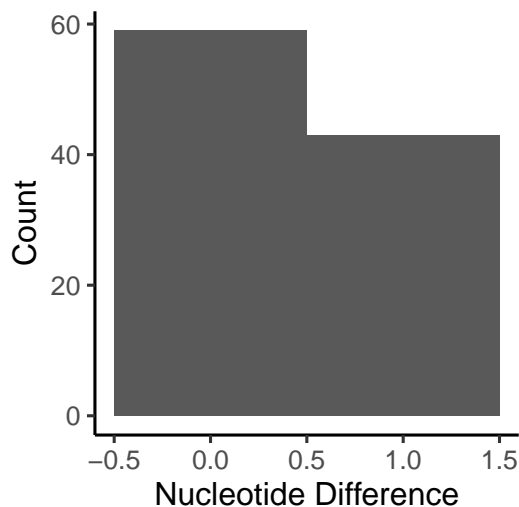
TRBV7-1*ap01_G291C_T

43 sequences assigned
43 (100%) exact matches, in which:
43 unique CDR3
11 unique J



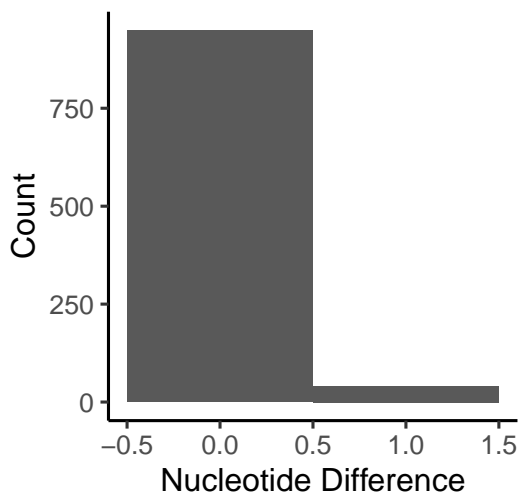
TRBV6-9*ap01

102 sequences assigned
59 (57.8%) exact matches, in which:
59 unique CDR3
10 unique J



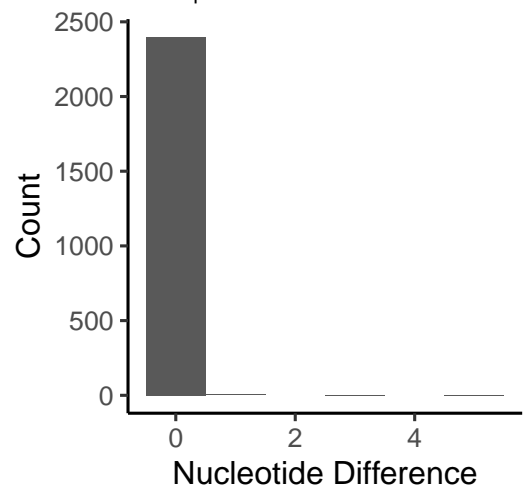
TRBV6-56*ap02

990 sequences assigned
949 (95.9%) exact matches, in which:
947 unique CDR3
12 unique J



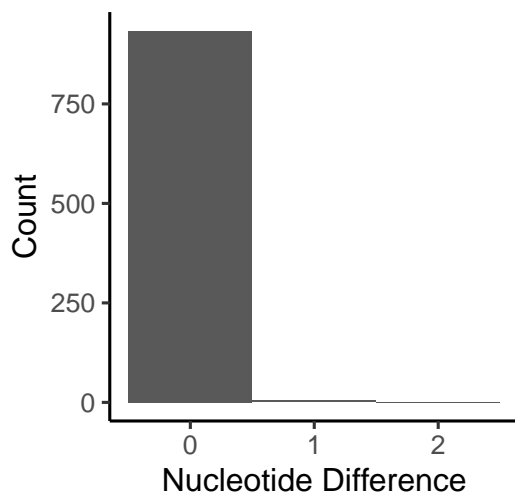
TRBV7-2*ap01

2406 sequences assigned
2398 (99.7%) exact matches, in which:
2396 unique CDR3
12 unique J



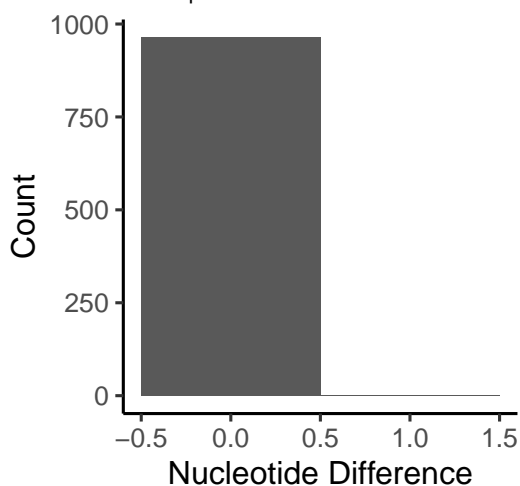
TRBV7-3*ap01

940 sequences assigned
934 (99.4%) exact matches, in which:
934 unique CDR3
13 unique J



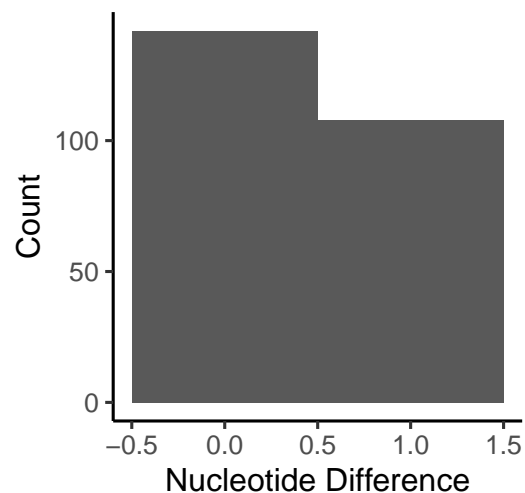
TRBV7-6*ap01

966 sequences assigned
964 (99.8%) exact matches, in which:
961 unique CDR3
12 unique J



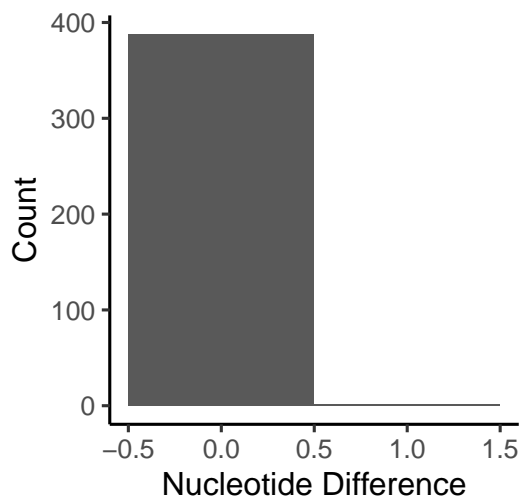
TRBV7-8*ap03

250 sequences assigned
142 (56.8%) exact matches, in which:
142 unique CDR3
13 unique J



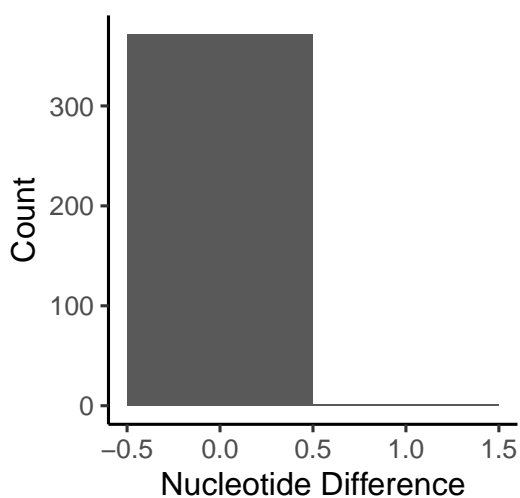
TRBV7-3*ap03

390 sequences assigned
388 (99.5%) exact matches, in which:
387 unique CDR3
12 unique J



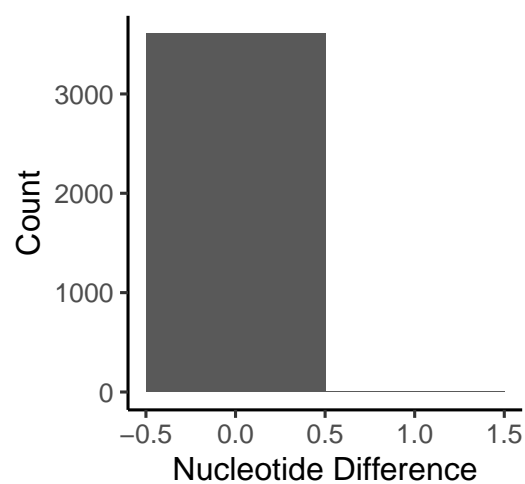
TRBV7-7*ap01_C315T

374 sequences assigned
372 (99.5%) exact matches, in which:
371 unique CDR3
12 unique J



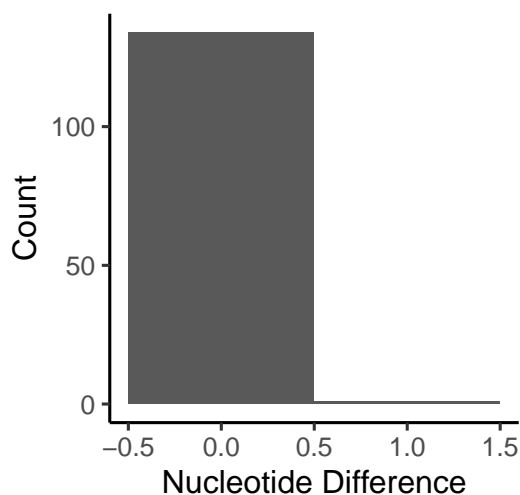
TRBV7-9*ap01

3611 sequences assigned
3606 (99.9%) exact matches, in which:
3604 unique CDR3
12 unique J



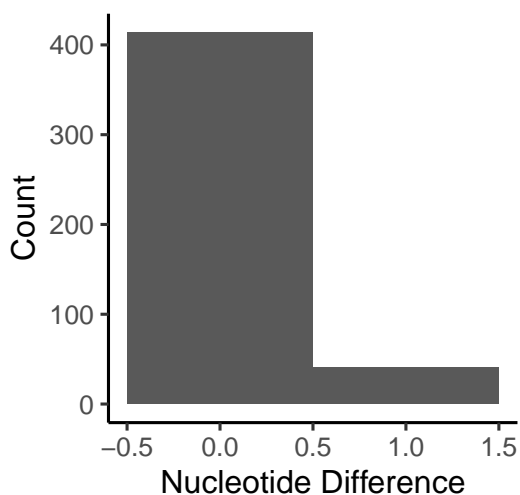
TRBV7-4*ap01

135 sequences assigned
134 (99.3%) exact matches, in which:
134 unique CDR3
12 unique J



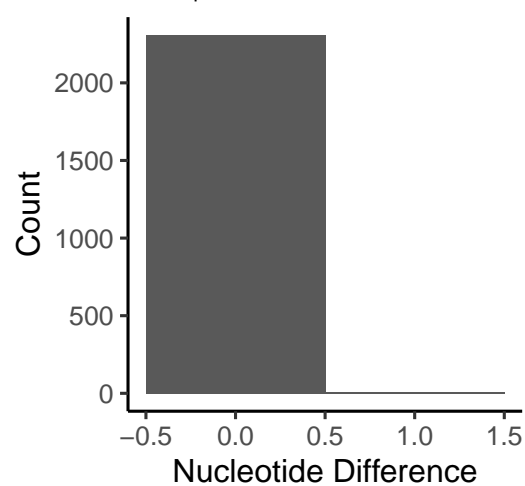
TRBV7-8*ap01

455 sequences assigned
414 (91%) exact matches, in which:
412 unique CDR3
12 unique J



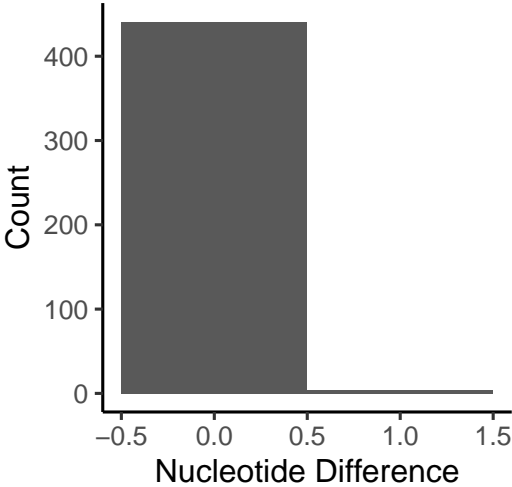
TRBV29-1*ap01

2316 sequences assigned
2308 (99.7%) exact matches, in which:
2302 unique CDR3
12 unique J

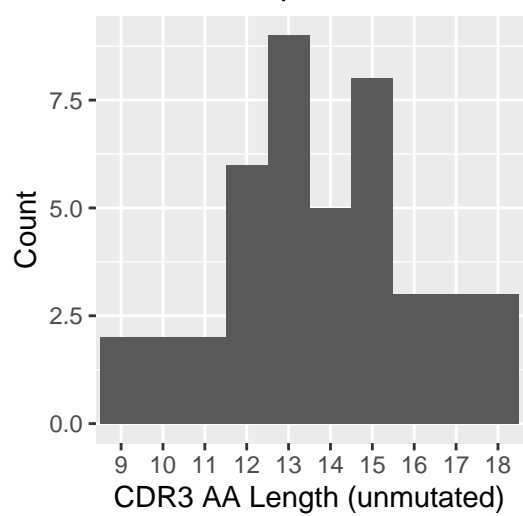


TRBV29-1*ap02

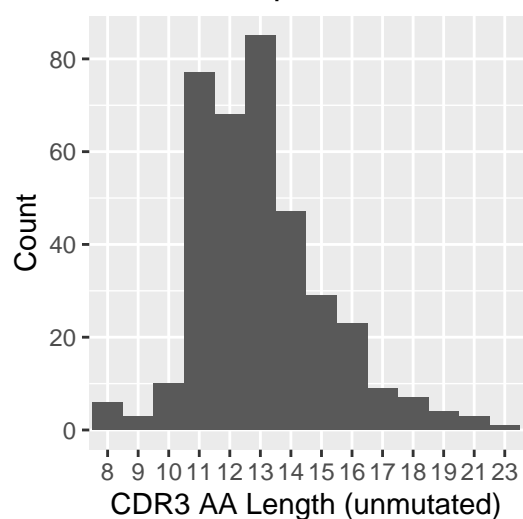
445 sequences assigned
441 (99.1%) exact matches, in which:
441 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]