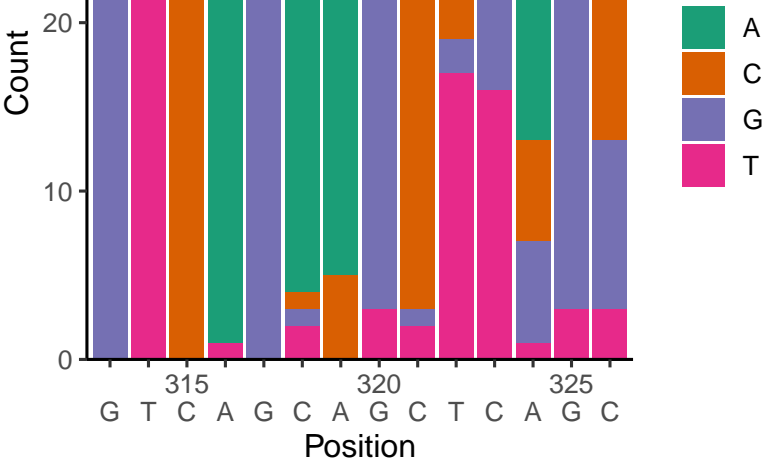
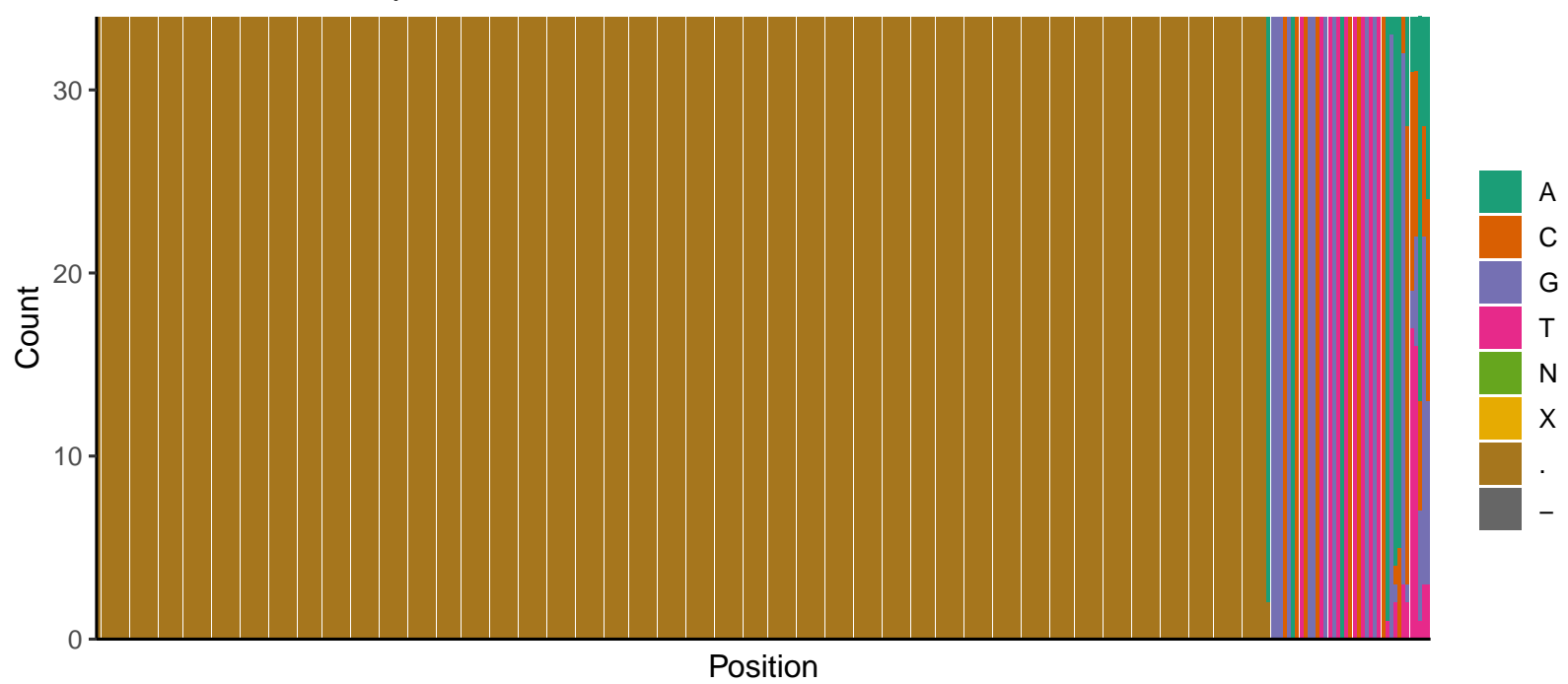


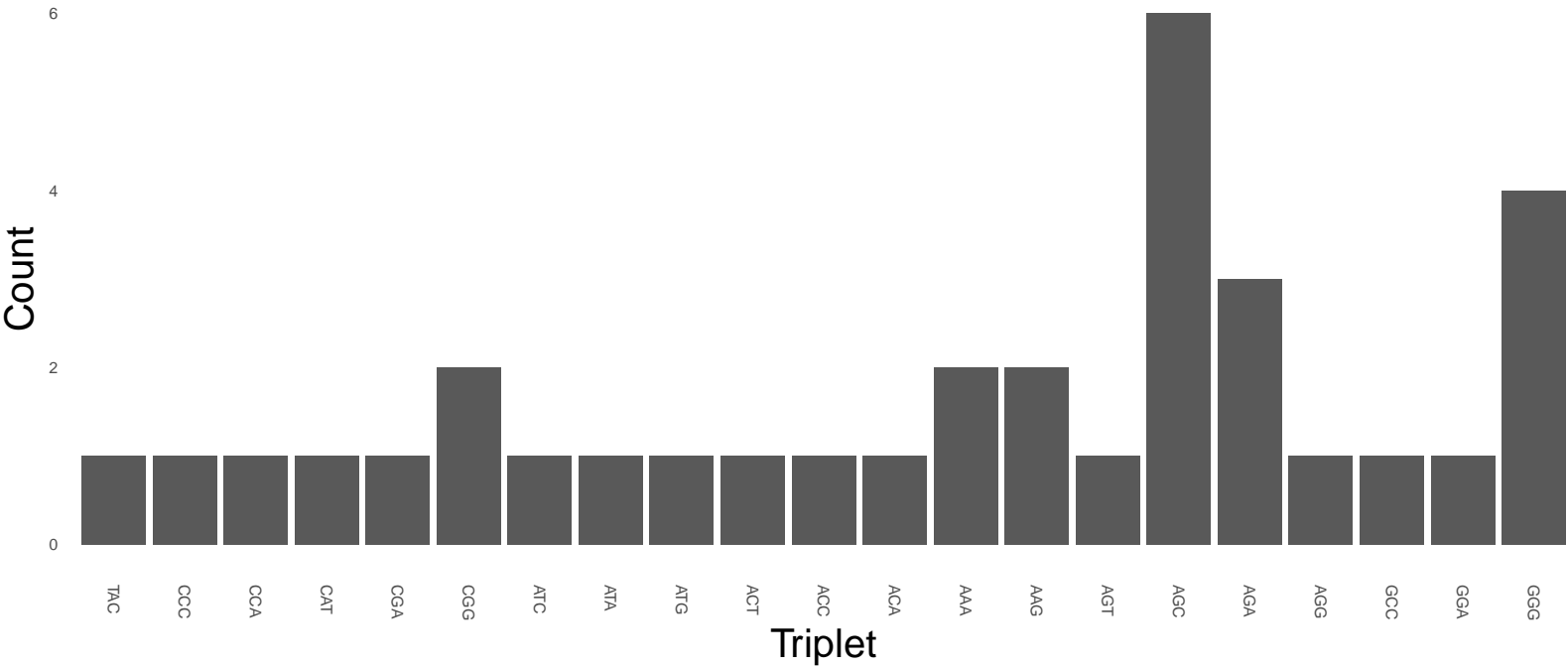
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T

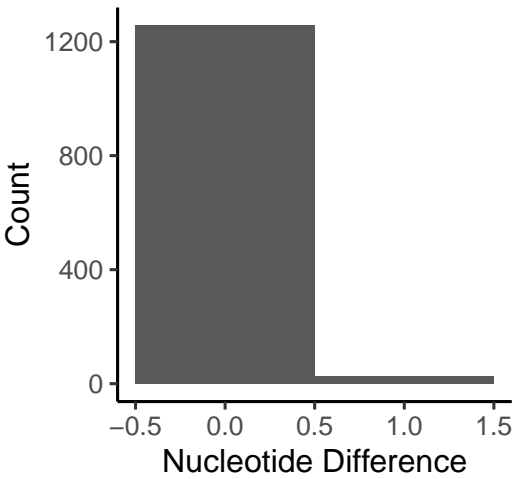


TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



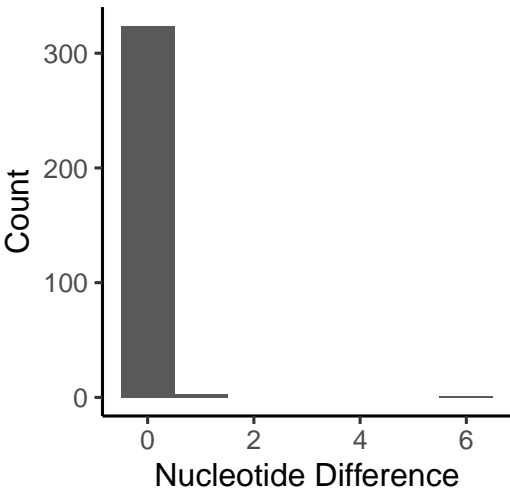
TRBV20–1*ap01

1282 sequences assigned
1257 (98%) exact matches, in which:
1225 unique CDR3
13 unique J



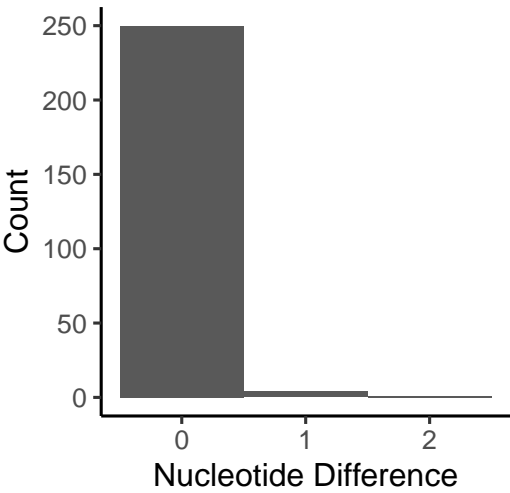
TRBV10–2*ap01

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



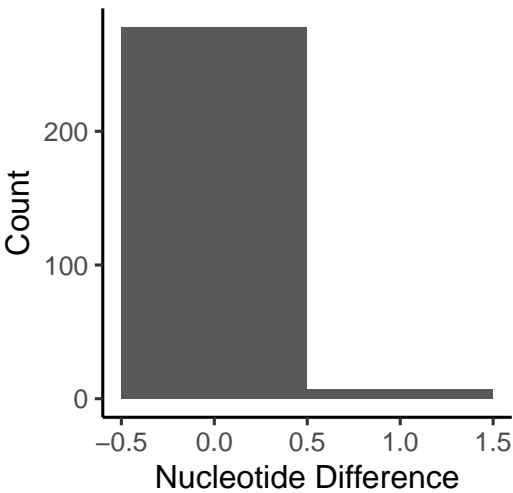
TRBV13*ap01

255 sequences assigned
250 (98%) exact matches, in which:
245 unique CDR3
13 unique J



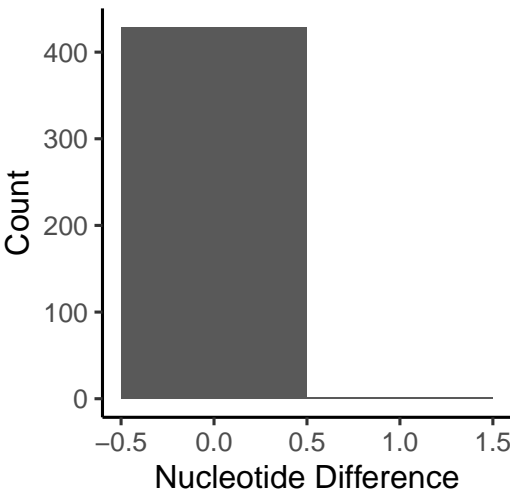
TRBV10–1*ap01

285 sequences assigned
278 (97.5%) exact matches, in which:
269 unique CDR3
13 unique J



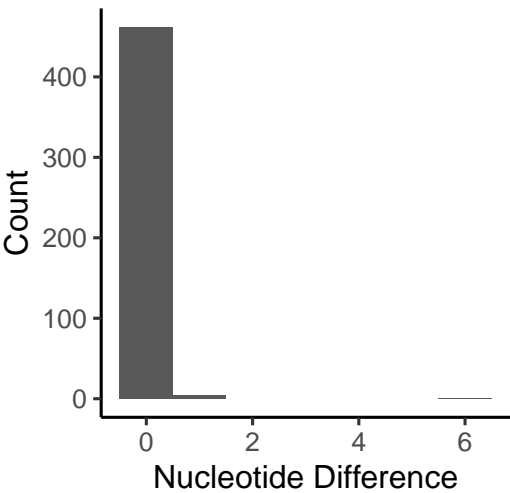
TRBV10–3*ap01

431 sequences assigned
429 (99.5%) exact matches, in which:
412 unique CDR3
13 unique J



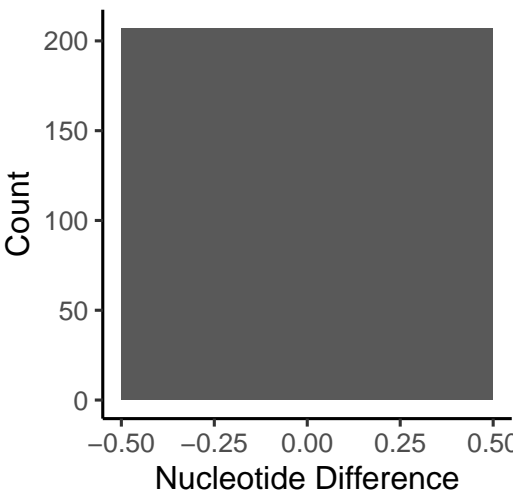
TRBV14*ap01

467 sequences assigned
462 (98.9%) exact matches, in which:
446 unique CDR3
13 unique J



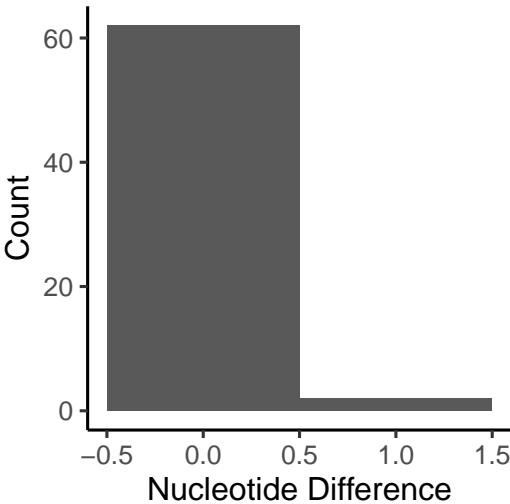
TRBV20–1*ap02

207 sequences assigned
207 (100%) exact matches, in which:
202 unique CDR3
12 unique J



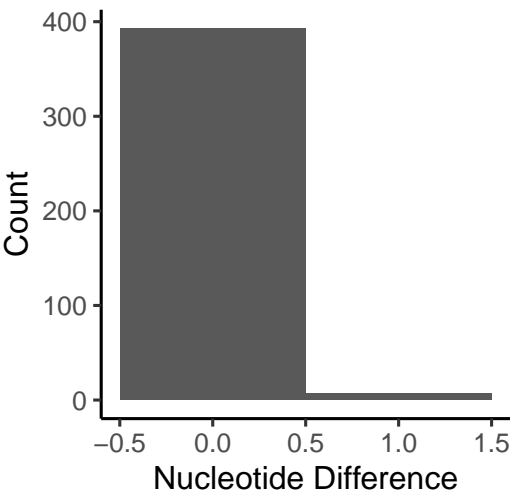
TRBV1*ap01

64 sequences assigned
62 (96.9%) exact matches, in which:
61 unique CDR3
10 unique J



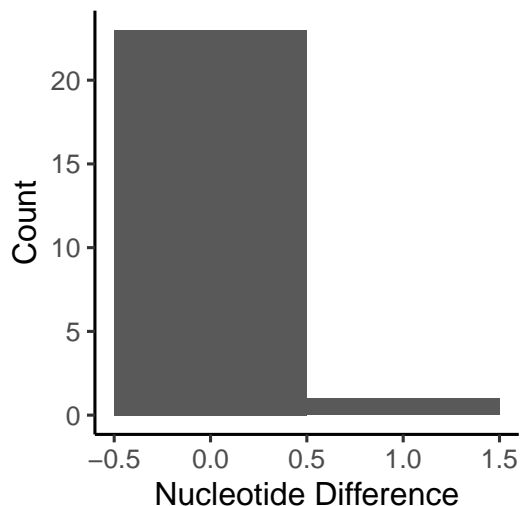
TRBV15*ap02

400 sequences assigned
393 (98.2%) exact matches, in which:
381 unique CDR3
13 unique J



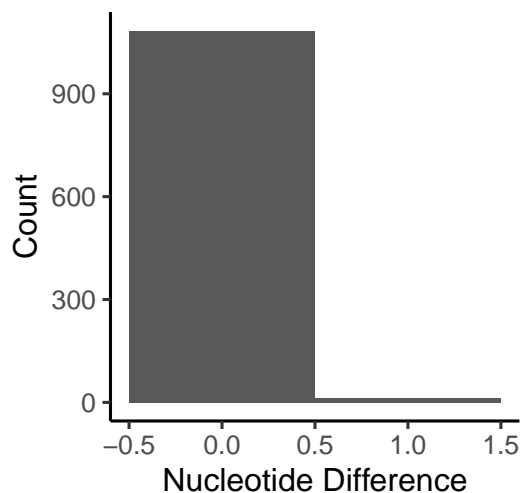
TRBV16*ap01

24 sequences assigned
23 (95.8%) exact matches, in which:
22 unique CDR3
8 unique J



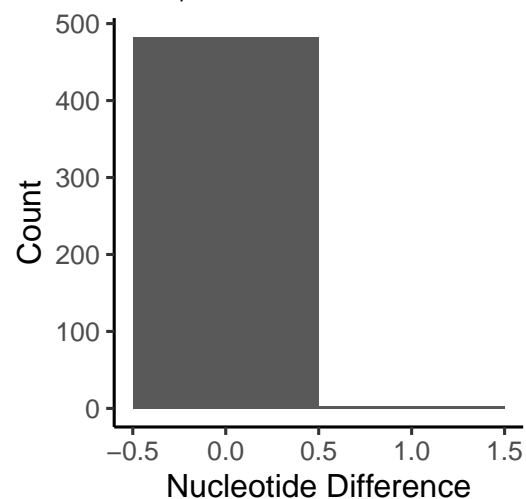
TRBV2*ap01

1096 sequences assigned
1084 (98.9%) exact matches, in which:
1058 unique CDR3
13 unique J



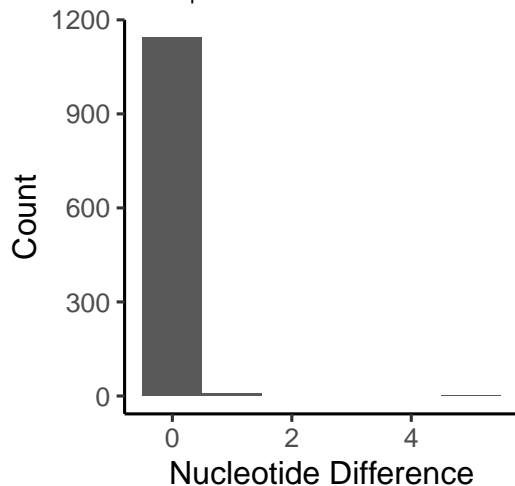
TRBV30*ap01

486 sequences assigned
483 (99.4%) exact matches, in which:
474 unique CDR3
13 unique J



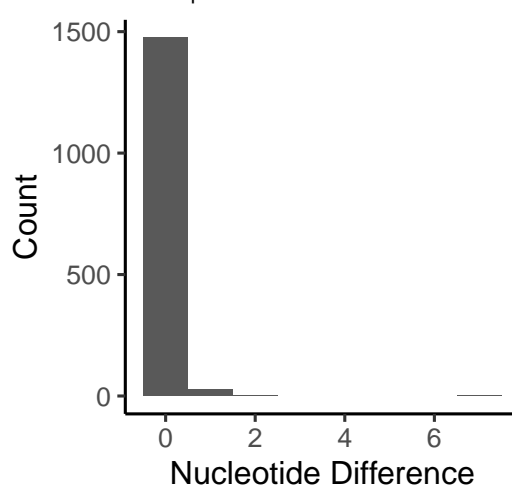
TRBV18*ap01

1152 sequences assigned
1143 (99.2%) exact matches, in which:
1111 unique CDR3
13 unique J



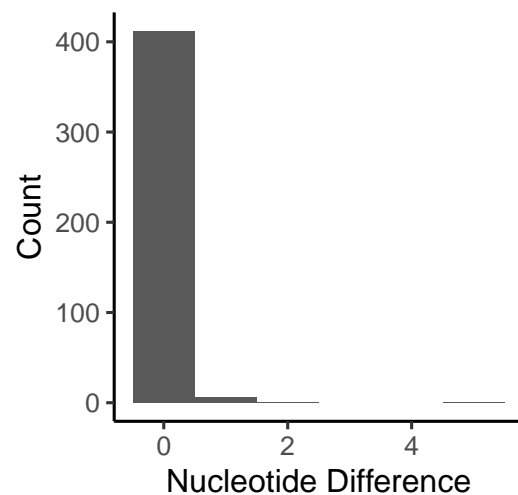
TRBV27*ap01

1503 sequences assigned
1475 (98.1%) exact matches, in which:
1431 unique CDR3
13 unique J



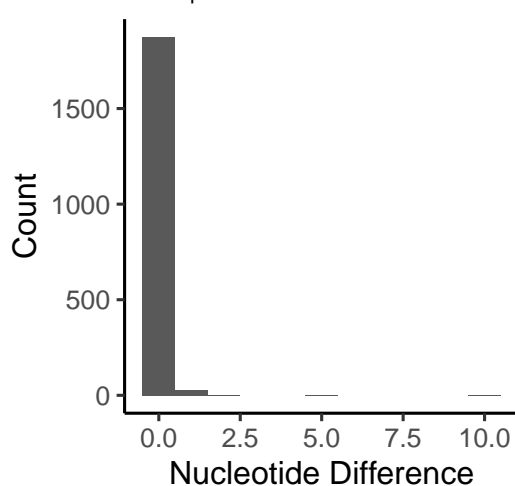
TRBV30*ap02

420 sequences assigned
412 (98.1%) exact matches, in which:
407 unique CDR3
13 unique J



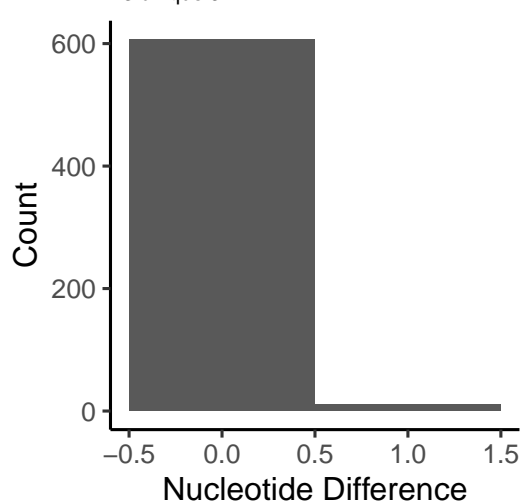
TRBV19*ap01

1907 sequences assigned
1874 (98.3%) exact matches, in which:
1819 unique CDR3
13 unique J



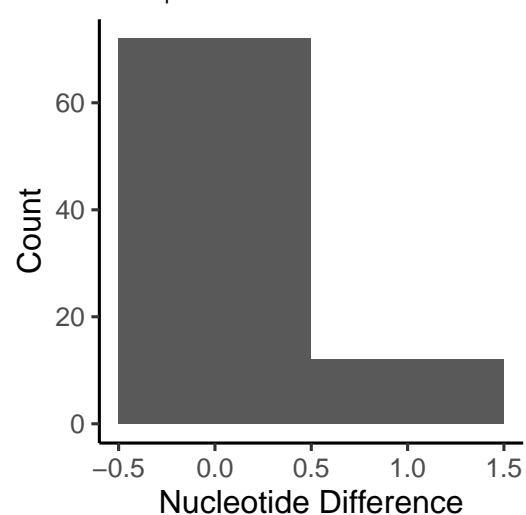
TRBV28*ap01

618 sequences assigned
607 (98.2%) exact matches, in which:
591 unique CDR3
13 unique J



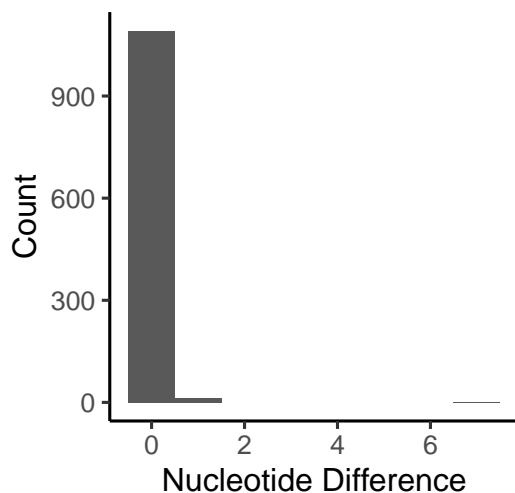
TRBV30*ap03

84 sequences assigned
72 (85.7%) exact matches, in which:
70 unique CDR3
11 unique J



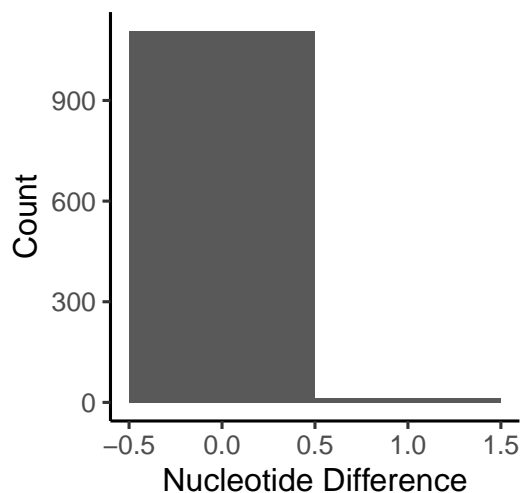
TRBV9*ap01

1107 sequences assigned
1092 (98.6%) exact matches, in which:
1061 unique CDR3
13 unique J



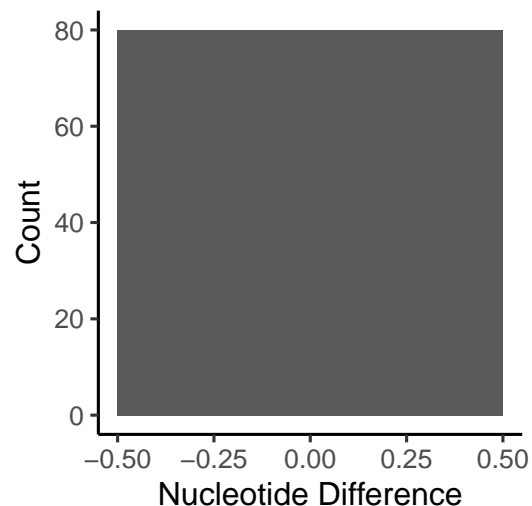
TRBV11-2*ap01

1121 sequences assigned
1108 (98.8%) exact matches, in which:
1074 unique CDR3
13 unique J



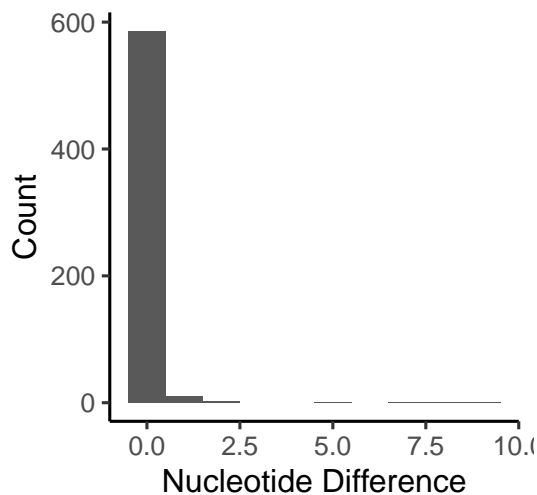
TRBV12-2*ap01

80 sequences assigned
80 (100%) exact matches, in which:
77 unique CDR3
10 unique J



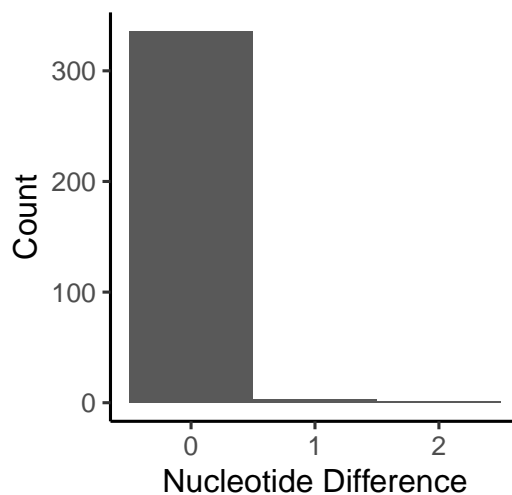
TRBV21-1*ap01

602 sequences assigned
586 (97.3%) exact matches, in which:
569 unique CDR3
13 unique J



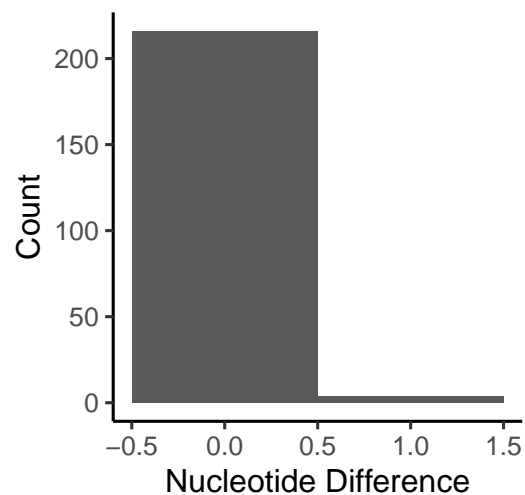
TRBV11-3*ap01

340 sequences assigned
336 (98.8%) exact matches, in which:
331 unique CDR3
13 unique J



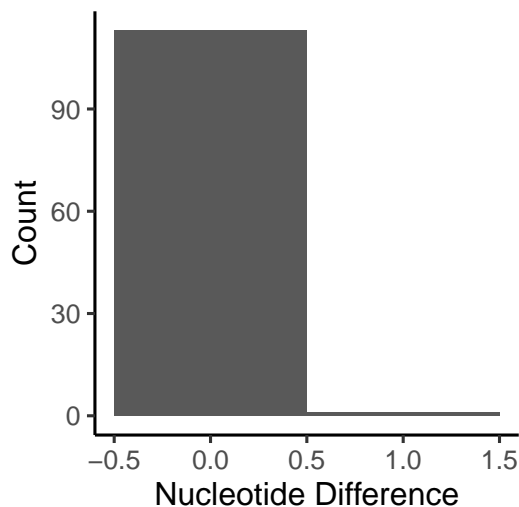
TRBV12-5*ap01

220 sequences assigned
216 (98.2%) exact matches, in which:
212 unique CDR3
13 unique J



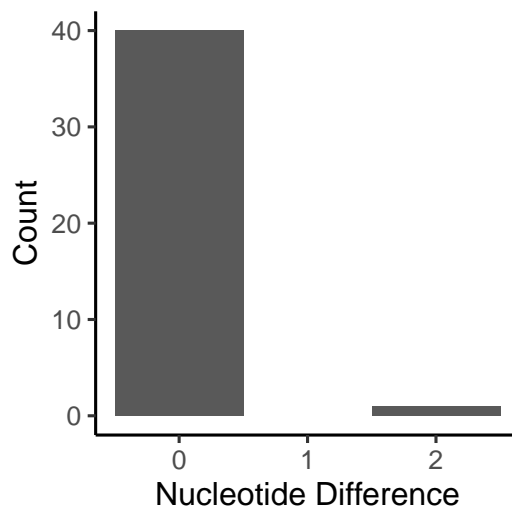
TRBV11-1*ap01

114 sequences assigned
113 (99.1%) exact matches, in which:
107 unique CDR3
13 unique J



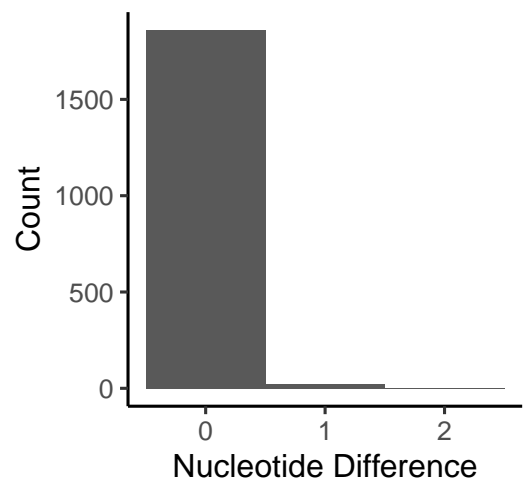
TRBV12-1*ap01

41 sequences assigned
40 (97.6%) exact matches, in which:
37 unique CDR3
11 unique J



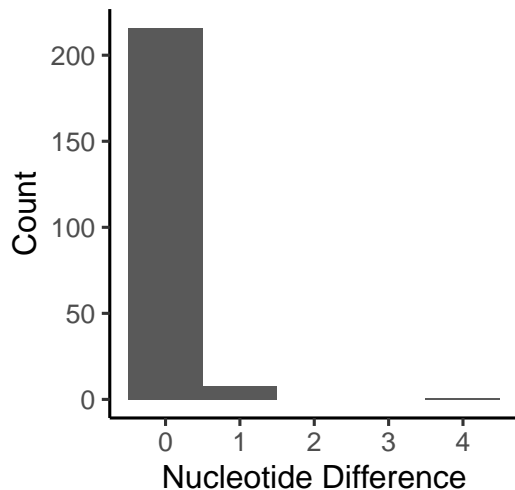
TRBV12-34*ap01

1883 sequences assigned
1860 (98.8%) exact matches, in which:
1807 unique CDR3
13 unique J



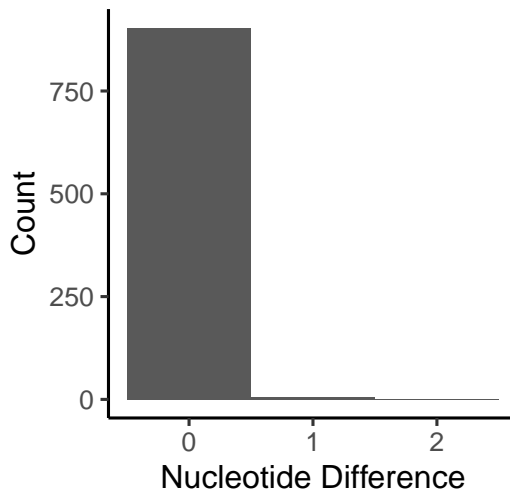
TRBV23–1*ap01

225 sequences assigned
216 (96%) exact matches, in which:
205 unique CDR3
13 unique J



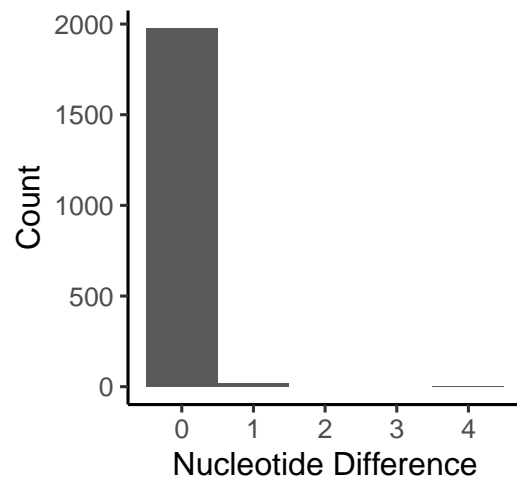
TRBV4–1*ap01

910 sequences assigned
904 (99.3%) exact matches, in which:
877 unique CDR3
13 unique J



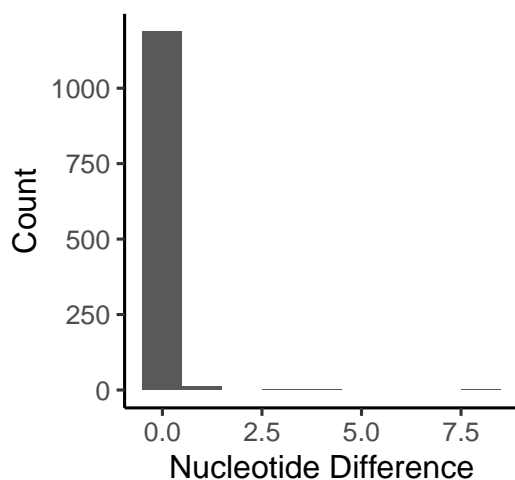
TRBV5–1*ap01

1999 sequences assigned
1976 (98.8%) exact matches, in which:
1906 unique CDR3
13 unique J



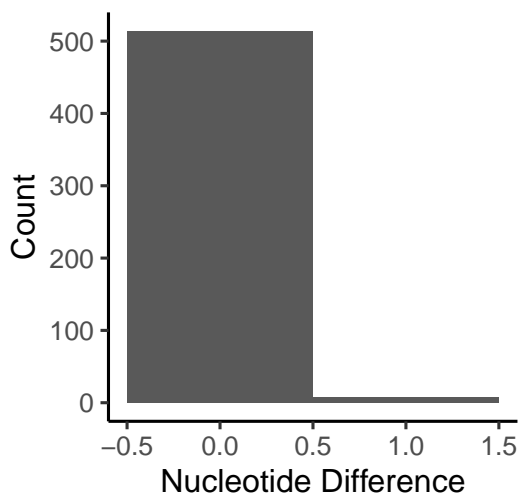
TRBV3–12*ap01

1204 sequences assigned
1187 (98.6%) exact matches, in which:
1148 unique CDR3
13 unique J



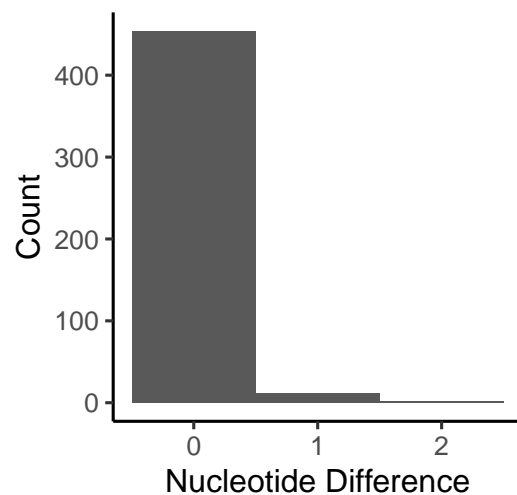
TRBV4–2*ap01

521 sequences assigned
514 (98.7%) exact matches, in which:
500 unique CDR3
13 unique J



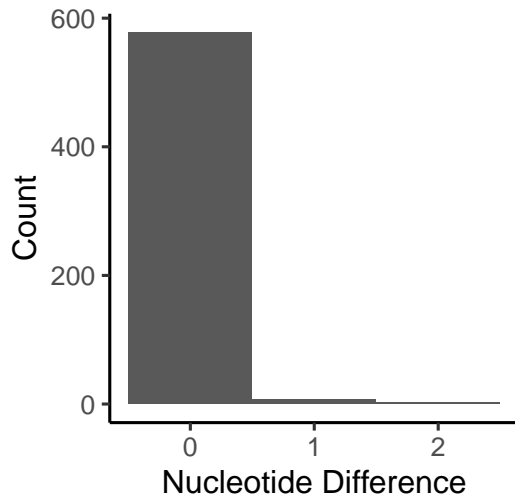
TRBV25–1*ap01

467 sequences assigned
454 (97.2%) exact matches, in which:
446 unique CDR3
13 unique J



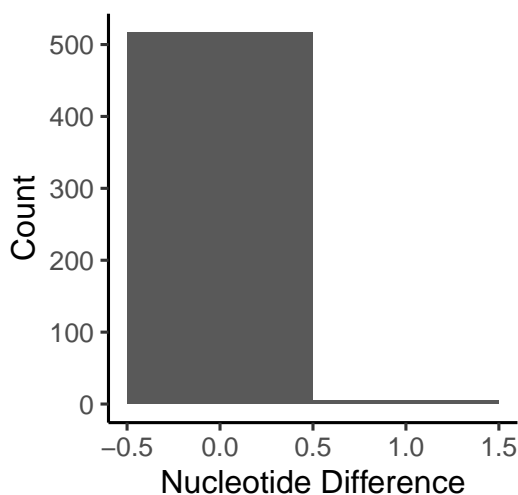
TRBV24–1*ap01

587 sequences assigned
578 (98.5%) exact matches, in which:
558 unique CDR3
13 unique J



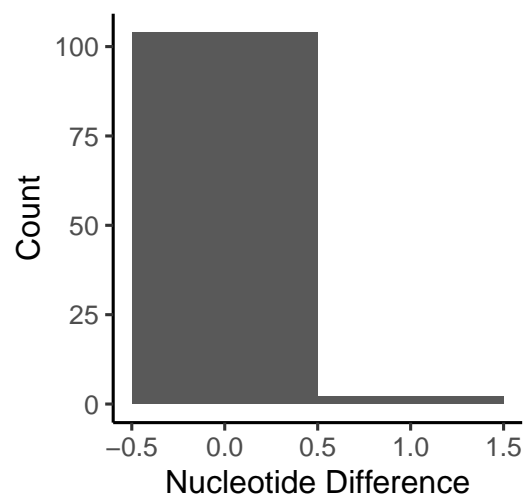
TRBV4–3*ap01

522 sequences assigned
517 (99%) exact matches, in which:
502 unique CDR3
13 unique J



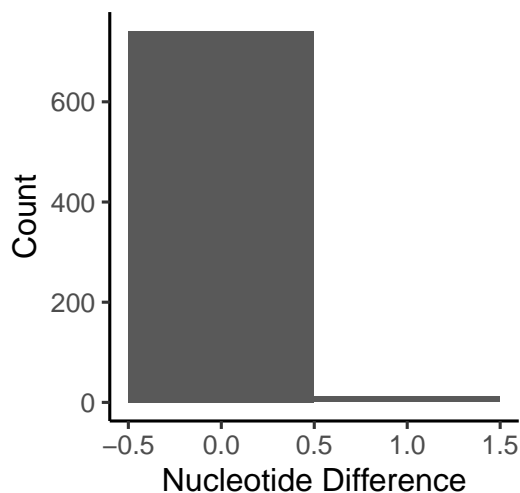
TRBV5–3*ap01

106 sequences assigned
104 (98.1%) exact matches, in which:
101 unique CDR3
13 unique J



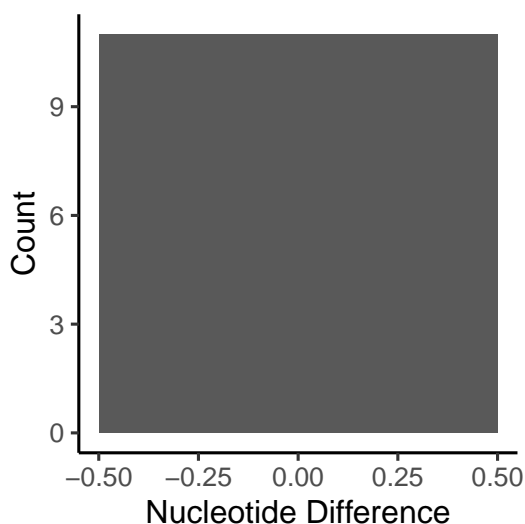
TRBV5-4*ap01

754 sequences assigned
742 (98.4%) exact matches, in which:
720 unique CDR3
13 unique J



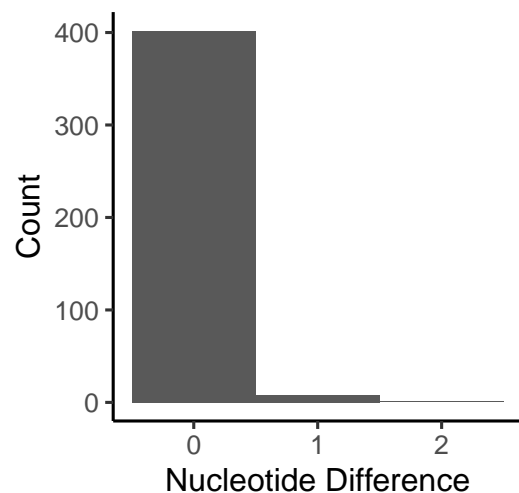
TRBV5-7*ap01

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



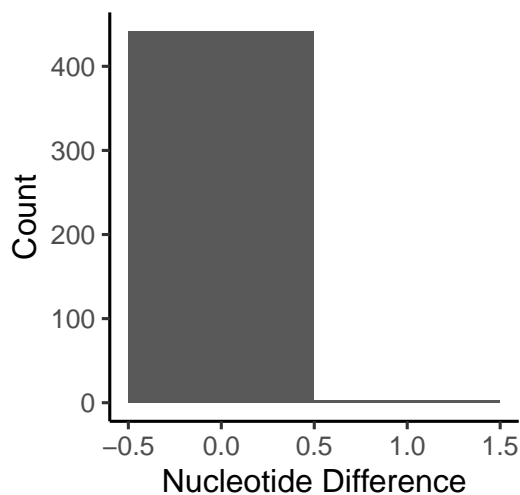
TRBV6-4*ap01

411 sequences assigned
402 (97.8%) exact matches, in which:
389 unique CDR3
13 unique J



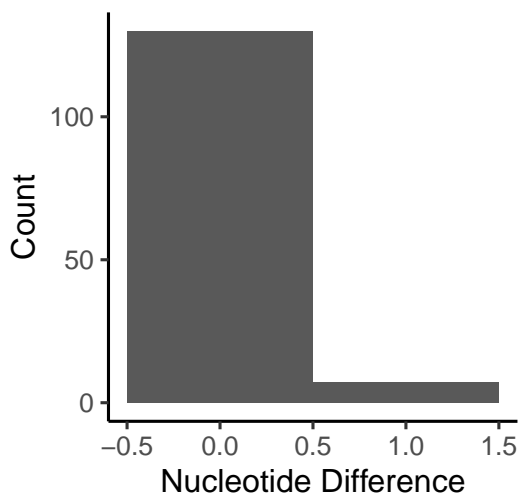
TRBV5-5*ap01

445 sequences assigned
442 (99.3%) exact matches, in which:
430 unique CDR3
13 unique J



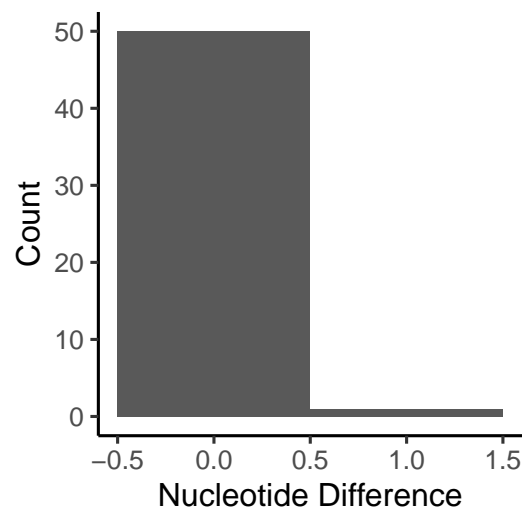
TRBV5-8*ap01

137 sequences assigned
130 (94.9%) exact matches, in which:
126 unique CDR3
13 unique J



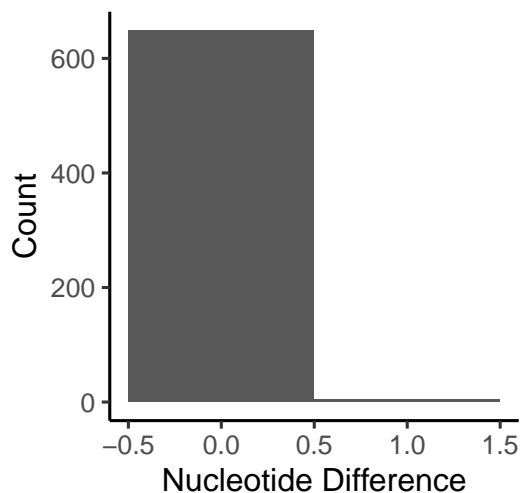
TRBV6-7*ap01

51 sequences assigned
50 (98%) exact matches, in which:
48 unique CDR3
11 unique J



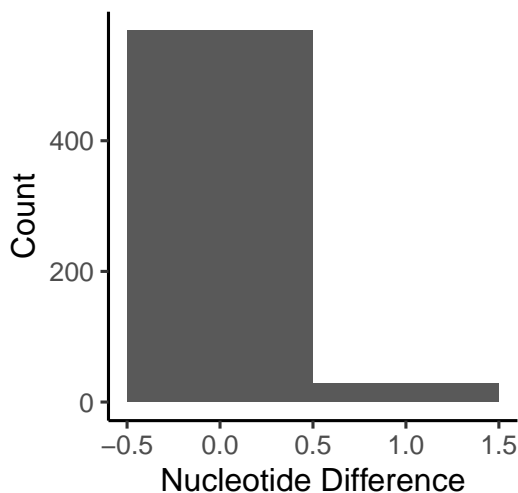
TRBV5-6*ap01

654 sequences assigned
649 (99.2%) exact matches, in which:
638 unique CDR3
13 unique J



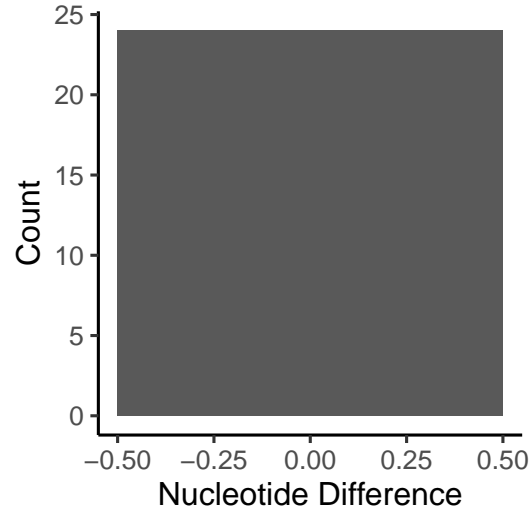
TRBV6-1*ap01

598 sequences assigned
569 (95.2%) exact matches, in which:
549 unique CDR3
13 unique J



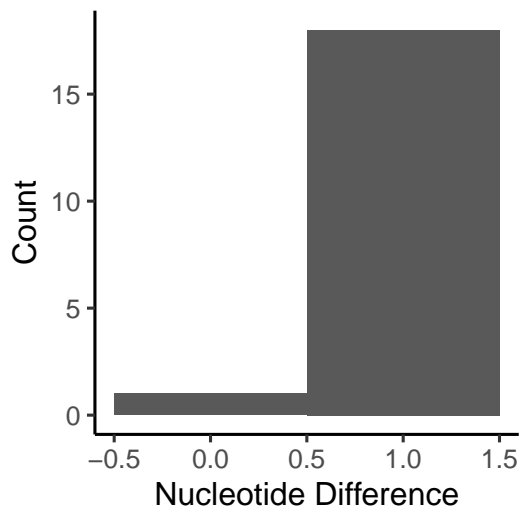
TRBV6-8*ap01

24 sequences assigned
24 (100%) exact matches, in which:
24 unique CDR3
9 unique J



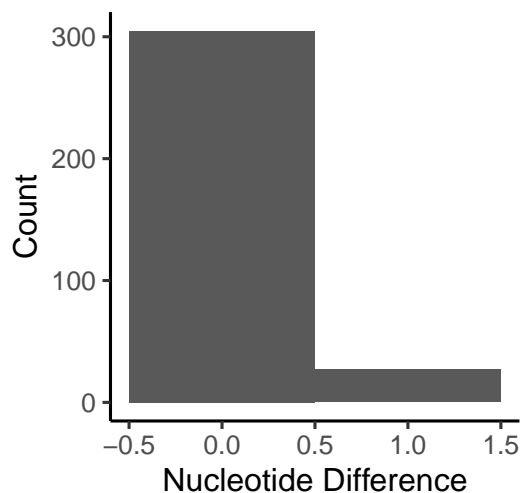
TRBV6–9*ap01

19 sequences assigned
1 (5.3%) exact matches, in which:
1 unique CDR3
1 unique J



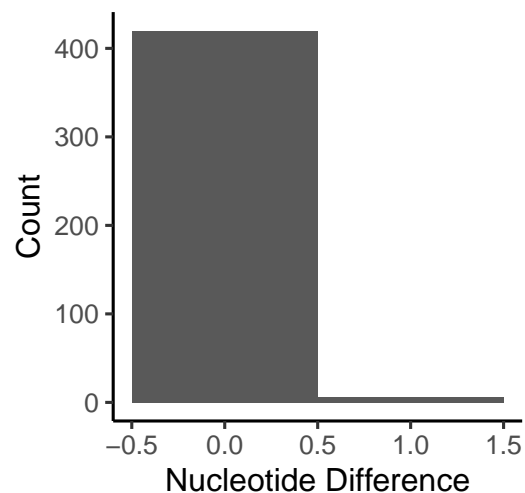
TRBV6–56*ap02

332 sequences assigned
305 (91.9%) exact matches, in which:
297 unique CDR3
13 unique J



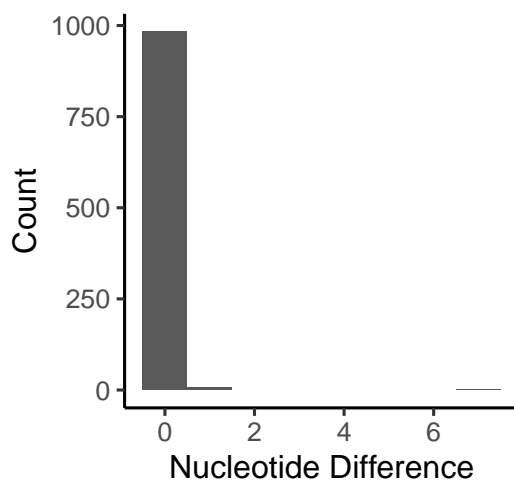
TRBV7–3*ap01

426 sequences assigned
420 (98.6%) exact matches, in which:
409 unique CDR3
13 unique J



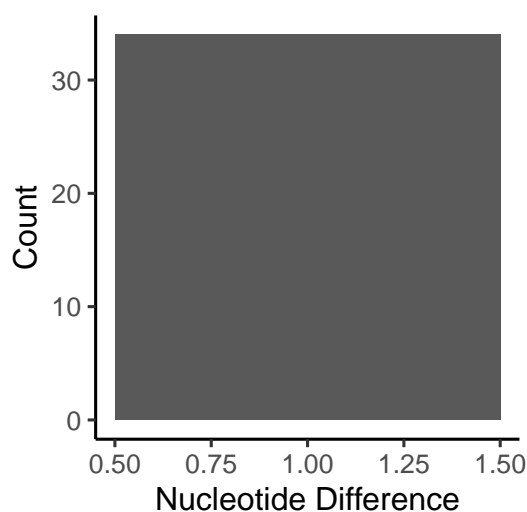
TRBV6–23*ap01

991 sequences assigned
983 (99.2%) exact matches, in which:
958 unique CDR3
13 unique J



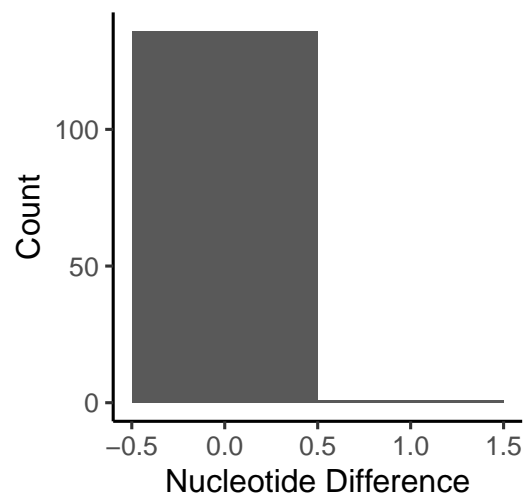
TRBV7–1*ap01_T296C_C

34 sequences assigned
No exact matches.



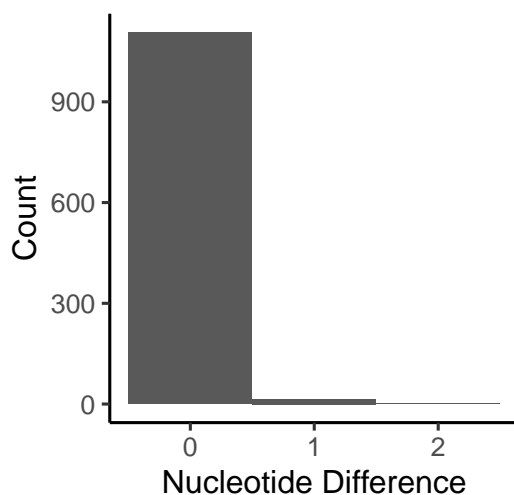
TRBV7–3*ap03

137 sequences assigned
136 (99.3%) exact matches, in which:
130 unique CDR3
13 unique J



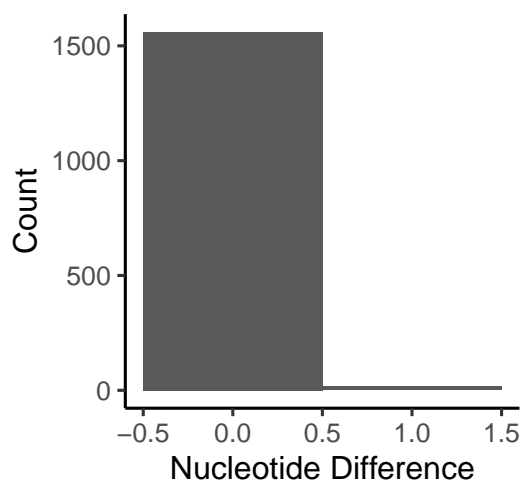
TRBV6–56*ap01

1123 sequences assigned
1107 (98.6%) exact matches, in which:
1086 unique CDR3
13 unique J



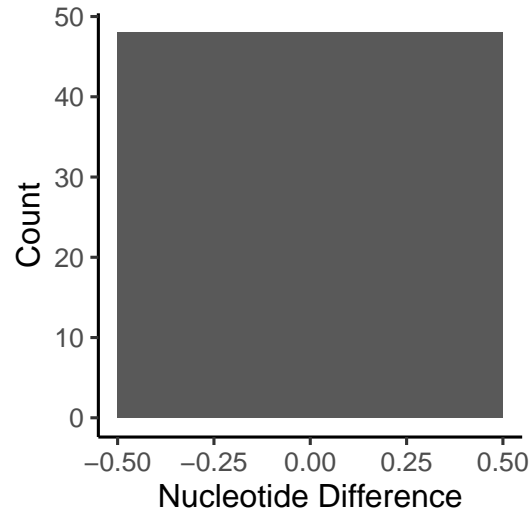
TRBV7–2*ap01

1576 sequences assigned
1560 (99%) exact matches, in which:
1521 unique CDR3
13 unique J



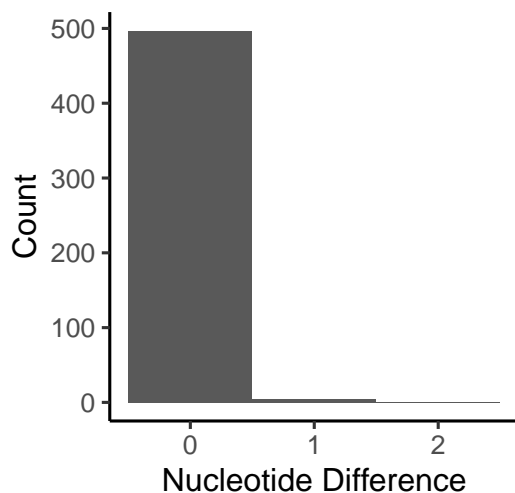
TRBV7–4*ap01

48 sequences assigned
48 (100%) exact matches, in which:
48 unique CDR3
12 unique J



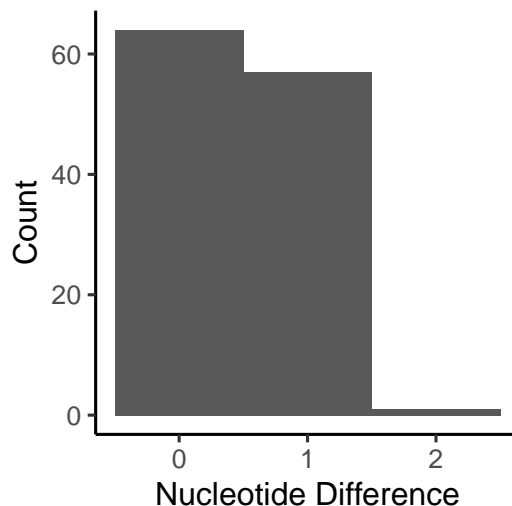
TRBV7-6*ap01

503 sequences assigned
497 (98.8%) exact matches, in which:
482 unique CDR3
13 unique J



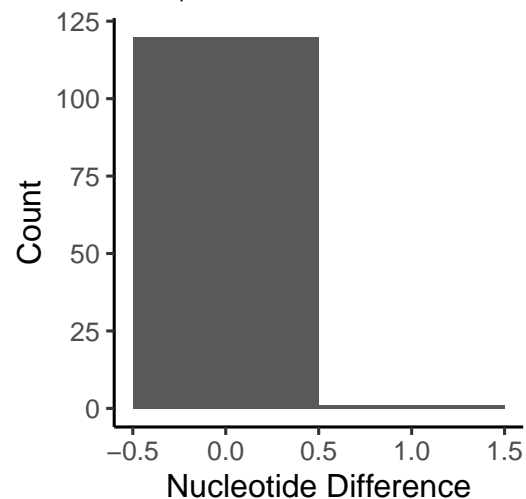
TRBV7-8*ap03

122 sequences assigned
64 (52.5%) exact matches, in which:
61 unique CDR3
12 unique J



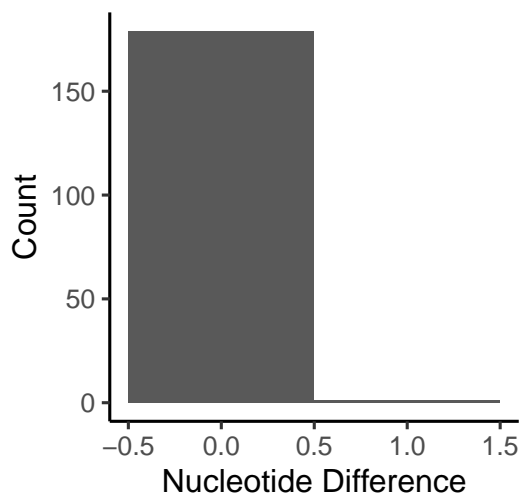
TRBV29-1*ap02

121 sequences assigned
120 (99.2%) exact matches, in which:
118 unique CDR3
13 unique J



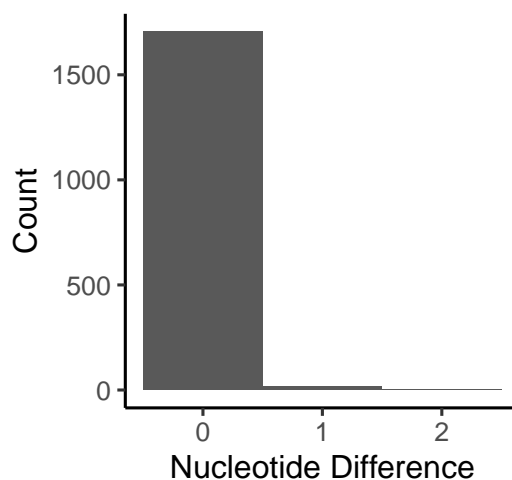
TRBV7-7*ap01

180 sequences assigned
179 (99.4%) exact matches, in which:
176 unique CDR3
13 unique J



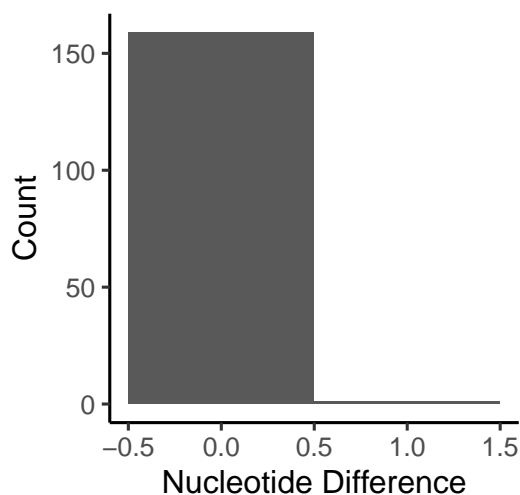
TRBV7-9*ap01

1723 sequences assigned
1705 (99%) exact matches, in which:
1655 unique CDR3
13 unique J



TRBV7-8*ap01

160 sequences assigned
159 (99.4%) exact matches, in which:
151 unique CDR3
13 unique J



TRBV29-1*ap01

623 sequences assigned
615 (98.7%) exact matches, in which:
607 unique CDR3
13 unique J

