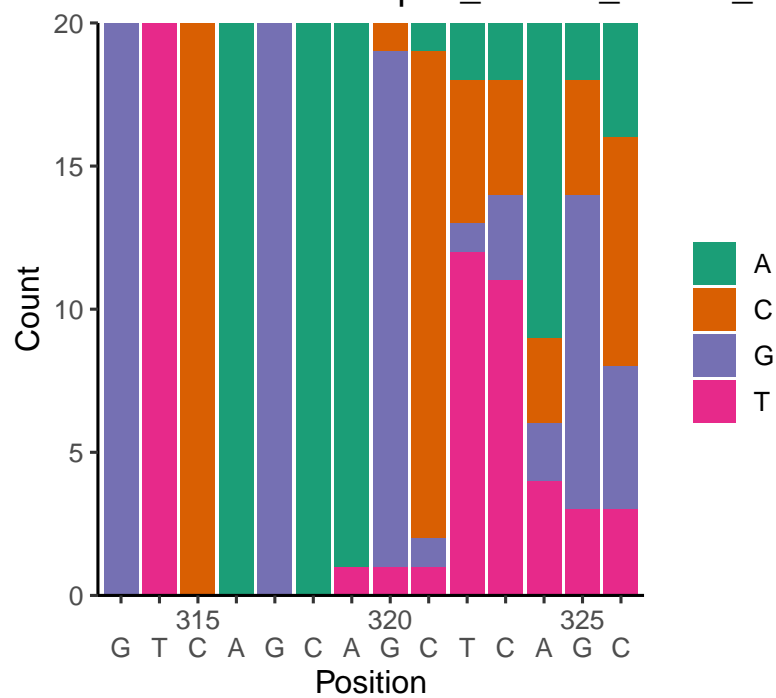
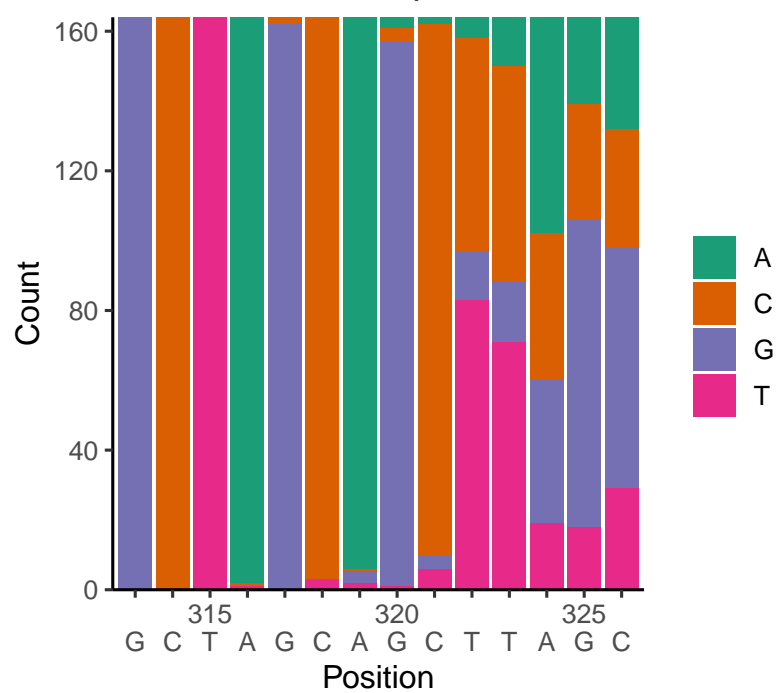


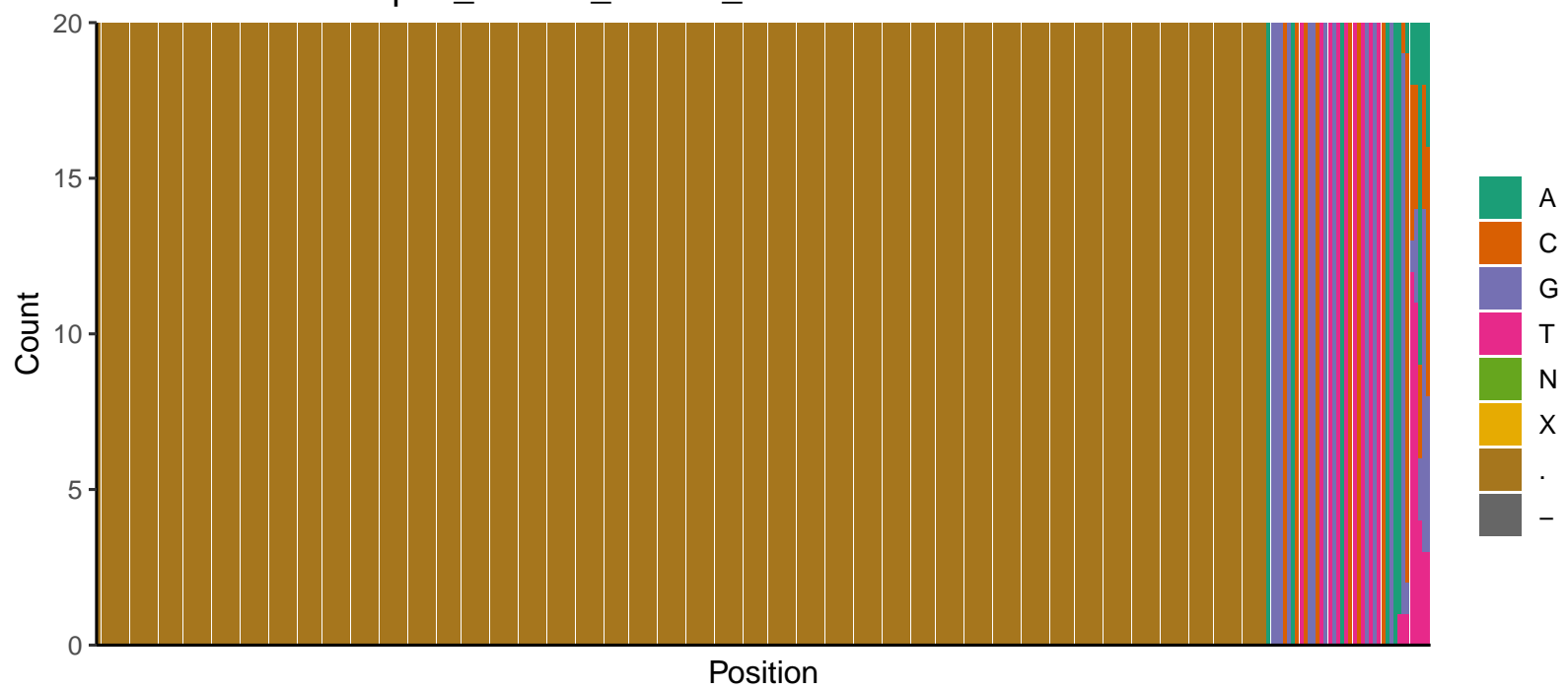
Gene TRBV7-1*ap01_G291C_T296C_C314T



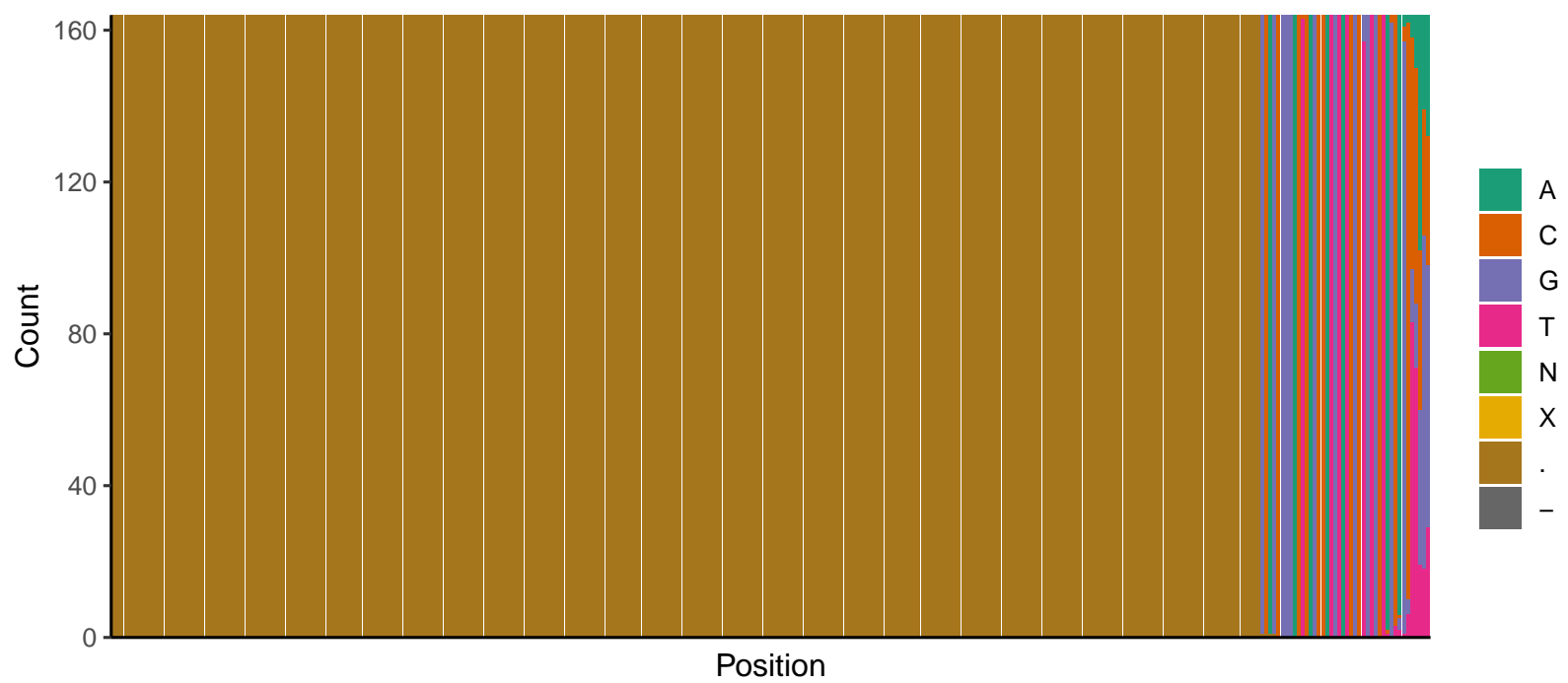
Gene TRBV7-7*ap01_C315T



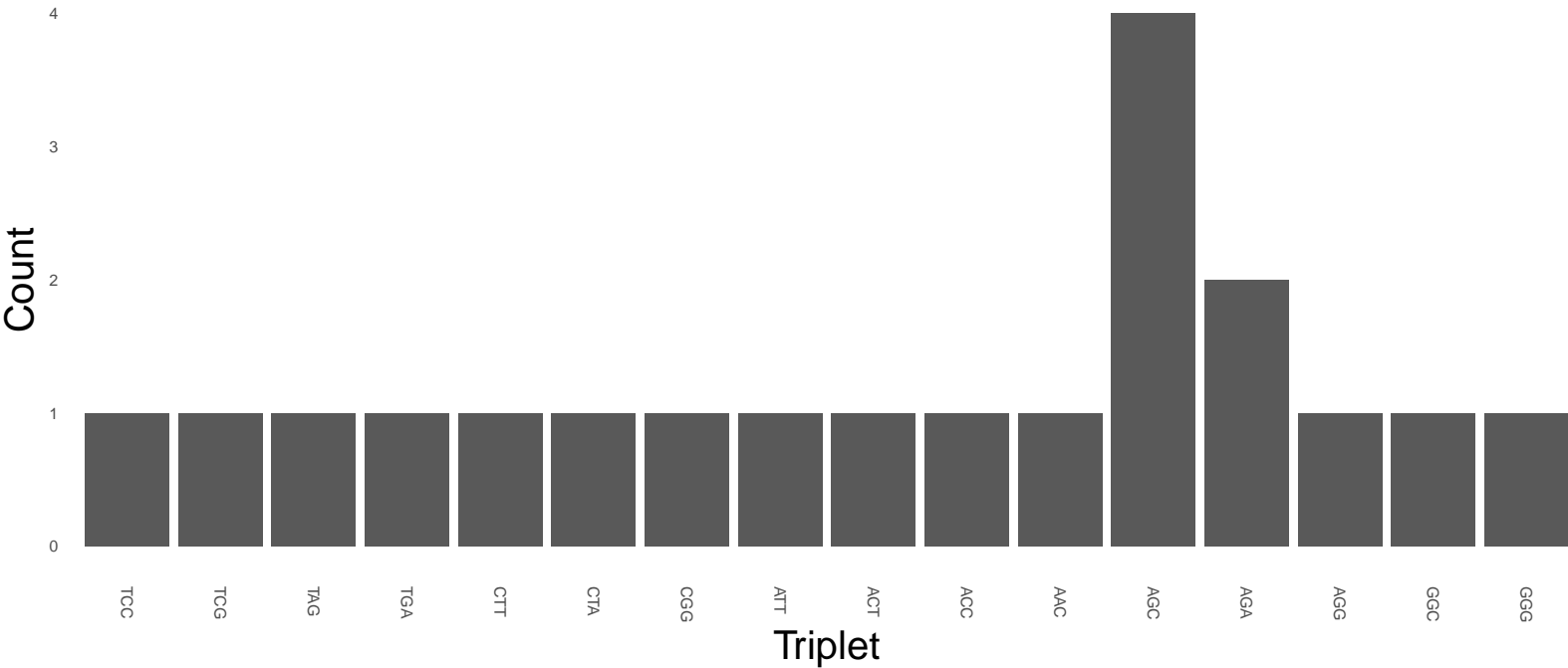
Gene TRBV7-1*ap01_G291C_T296C_C314T



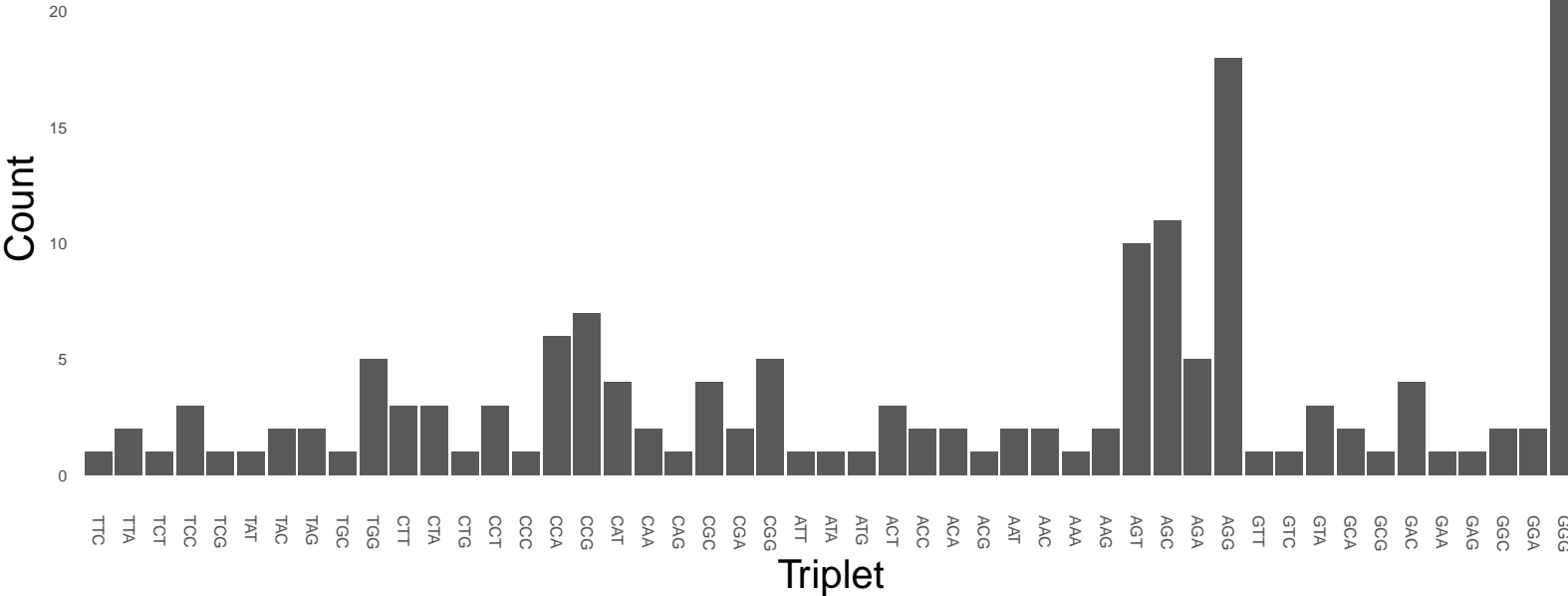
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

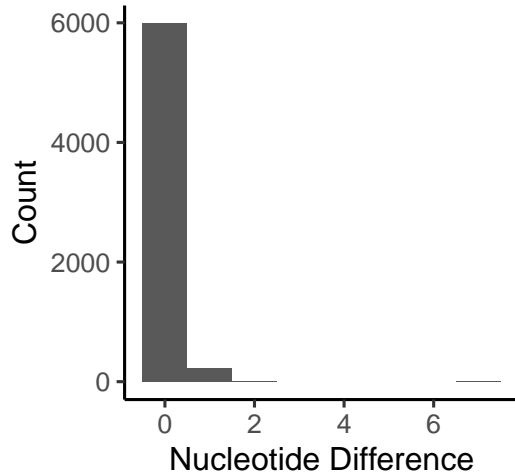


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



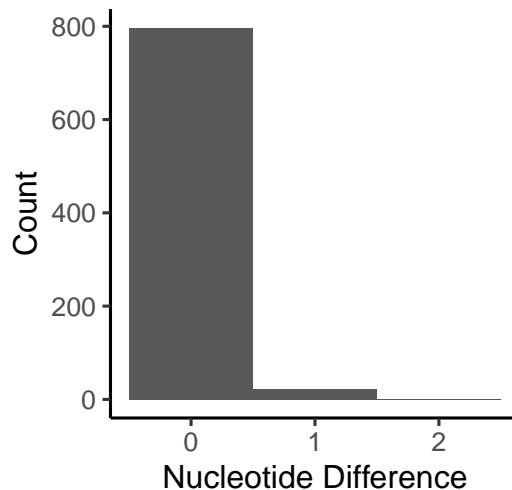
TRBV20-1*ap01

6224 sequences assigned
5990 (96.2%) exact matches, in which:
5713 unique CDR3
13 unique J



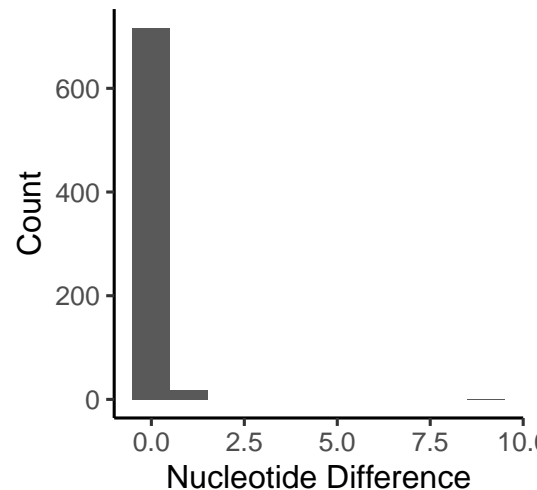
TRBV10-3*ap01

821 sequences assigned
797 (97.1%) exact matches, in which:
773 unique CDR3
13 unique J



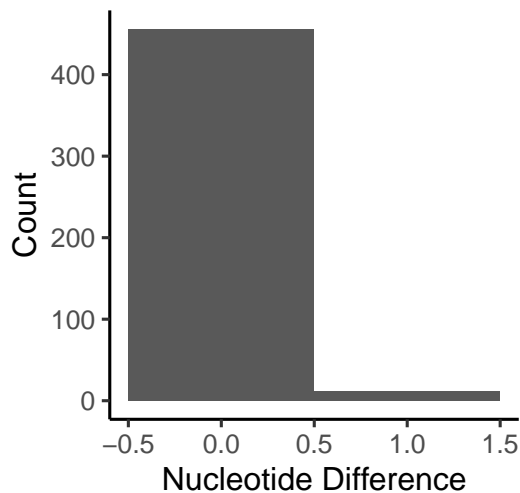
TRBV14*ap01

736 sequences assigned
717 (97.4%) exact matches, in which:
702 unique CDR3
13 unique J



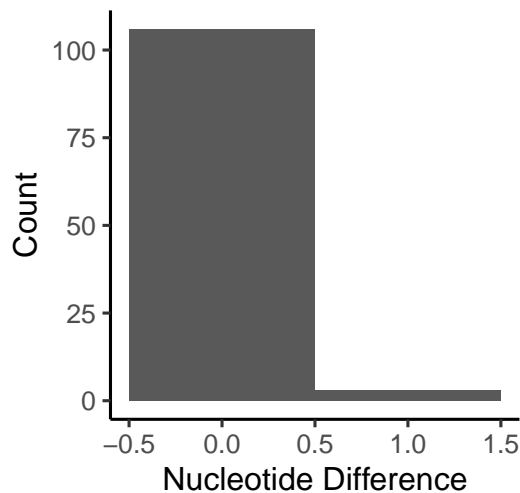
TRBV10-1*ap01

468 sequences assigned
456 (97.4%) exact matches, in which:
448 unique CDR3
13 unique J



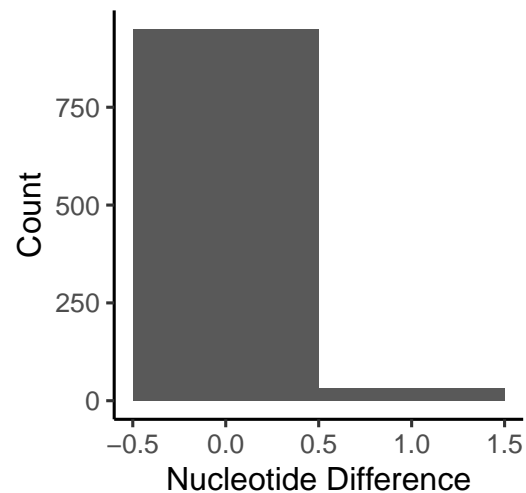
TRBV1*ap01

109 sequences assigned
106 (97.2%) exact matches, in which:
103 unique CDR3
13 unique J



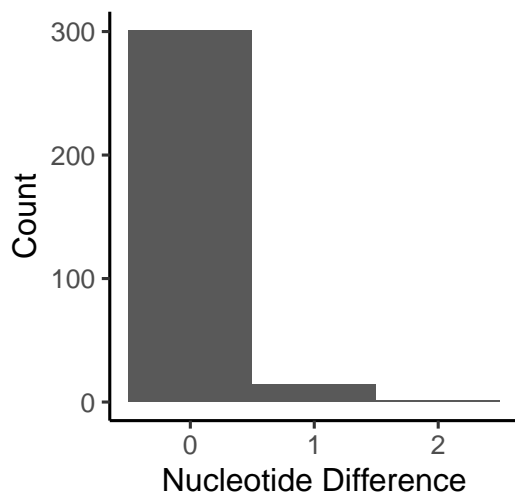
TRBV15*ap02

981 sequences assigned
950 (96.8%) exact matches, in which:
935 unique CDR3
13 unique J



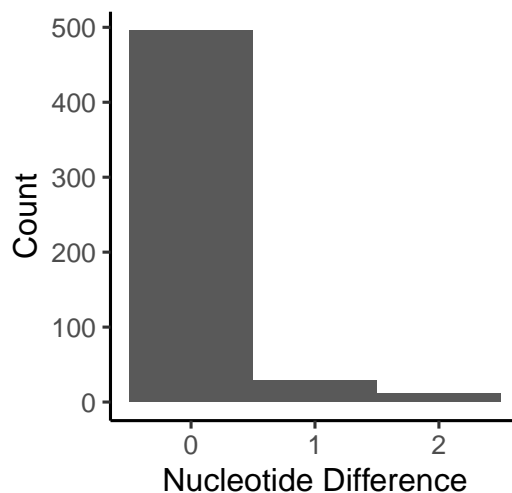
TRBV10-2*ap01

316 sequences assigned
301 (95.3%) exact matches, in which:
297 unique CDR3
13 unique J



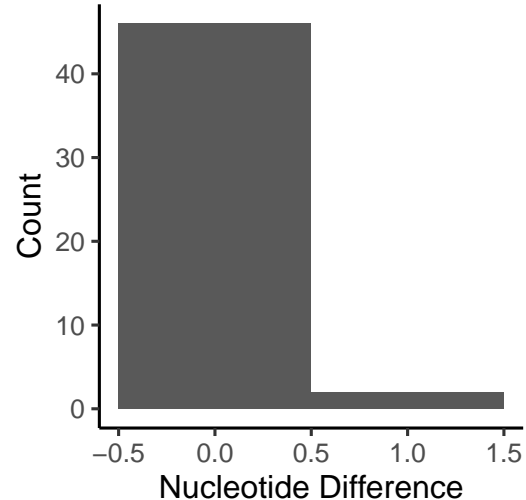
TRBV13*ap01

536 sequences assigned
496 (92.5%) exact matches, in which:
475 unique CDR3
13 unique J



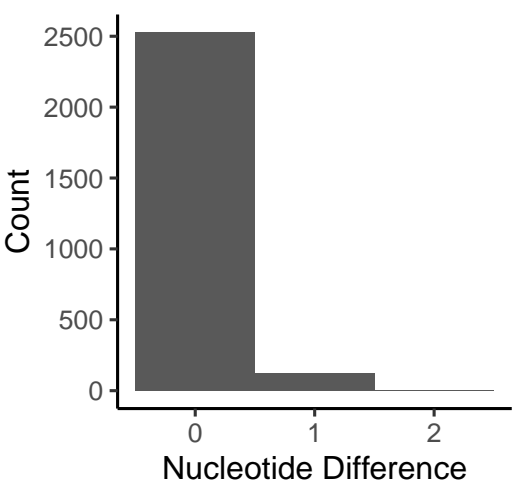
TRBV16*ap01

48 sequences assigned
46 (95.8%) exact matches, in which:
44 unique CDR3
12 unique J



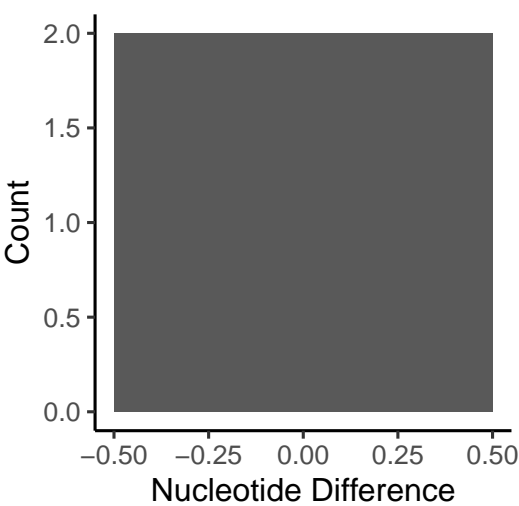
TRBV18*ap01

2651 sequences assigned
2527 (95.3%) exact matches, in which:
2444 unique CDR3
13 unique J



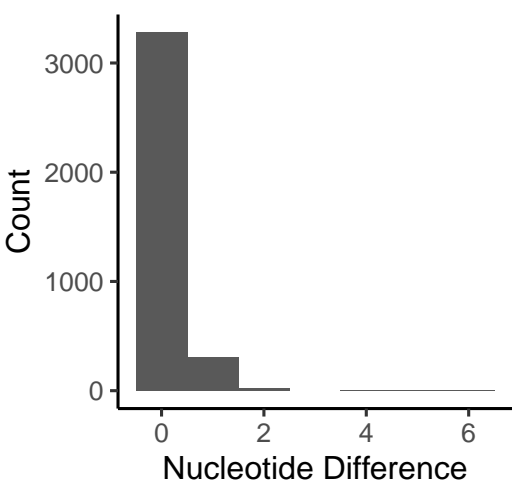
TRBV26*ap01

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



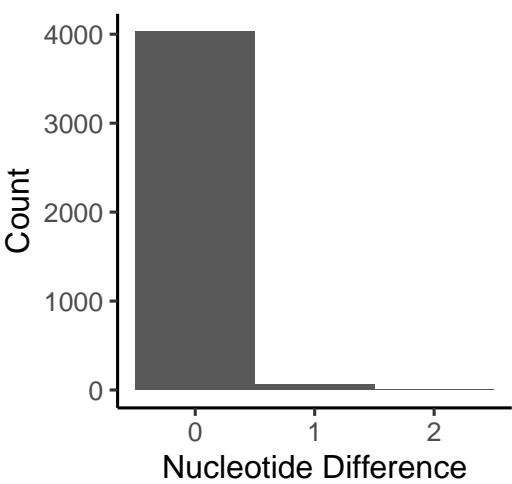
TRBV30*ap01

3611 sequences assigned
3280 (90.8%) exact matches, in which:
3012 unique CDR3
13 unique J



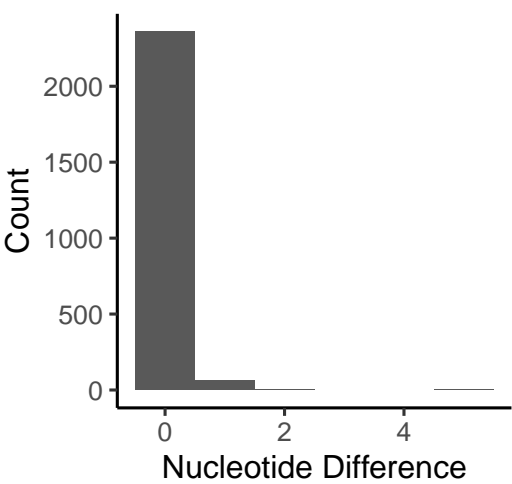
TRBV19*ap01

4093 sequences assigned
4028 (98.4%) exact matches, in which:
3941 unique CDR3
13 unique J



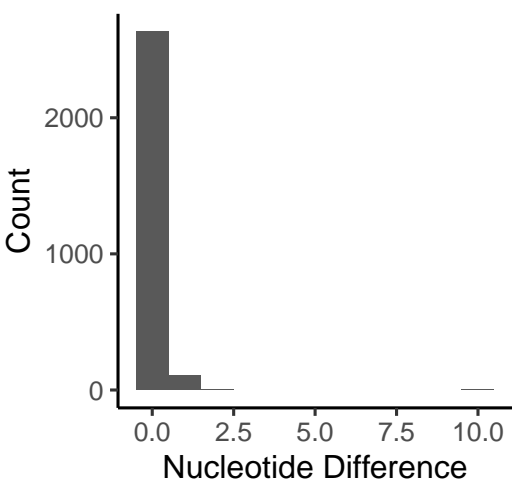
TRBV27*ap01

2423 sequences assigned
2359 (97.4%) exact matches, in which:
2315 unique CDR3
13 unique J



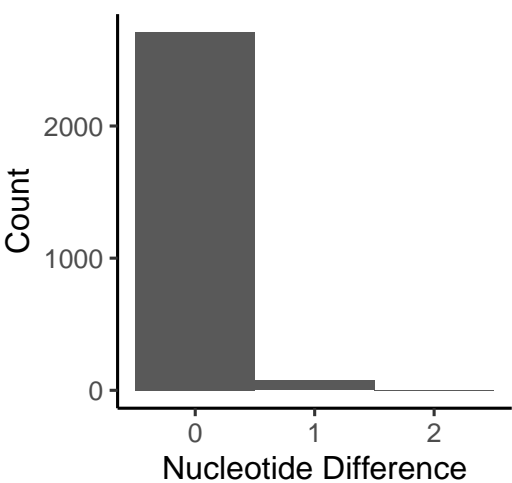
TRBV9*ap01

2742 sequences assigned
2632 (96%) exact matches, in which:
2575 unique CDR3
13 unique J



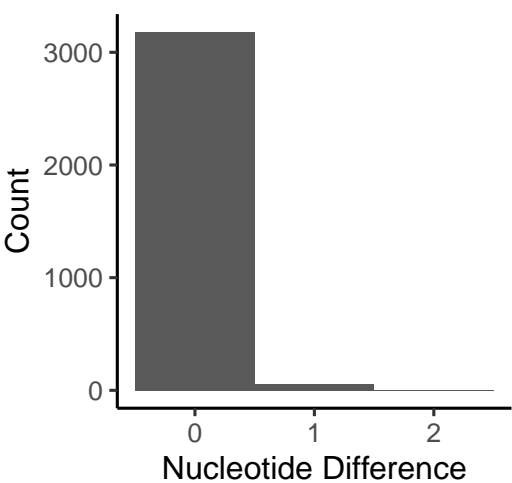
TRBV2*ap01

2786 sequences assigned
2711 (97.3%) exact matches, in which:
2670 unique CDR3
13 unique J



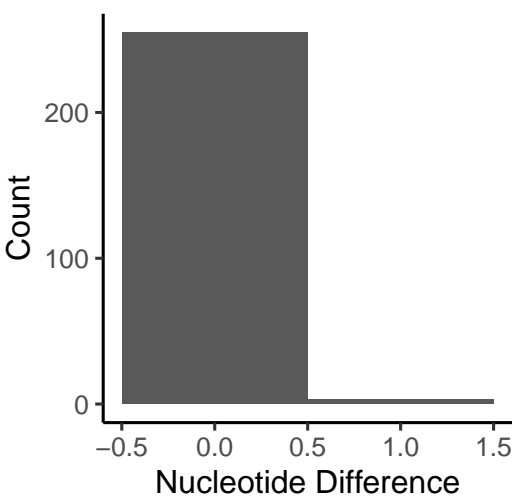
TRBV28*ap01

3235 sequences assigned
3180 (98.3%) exact matches, in which:
3111 unique CDR3
13 unique J



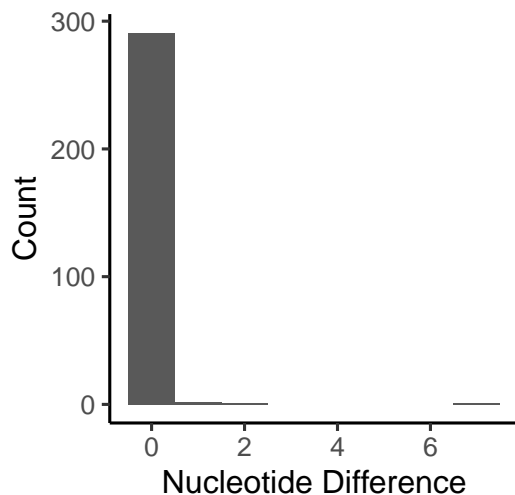
TRBV11-1*ap01

258 sequences assigned
255 (98.8%) exact matches, in which:
248 unique CDR3
13 unique J



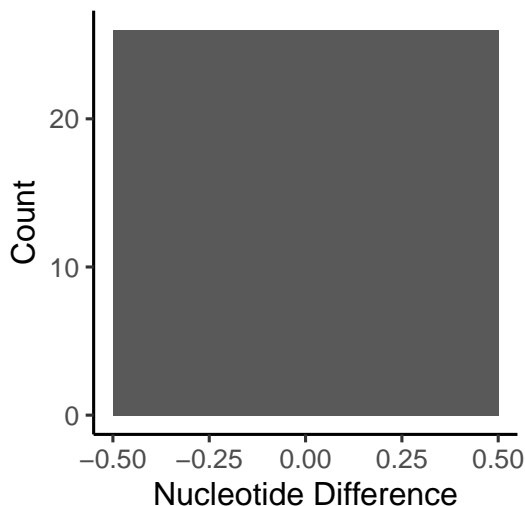
TRBV21-1*ap01

295 sequences assigned
291 (98.6%) exact matches, in which:
290 unique CDR3
13 unique J



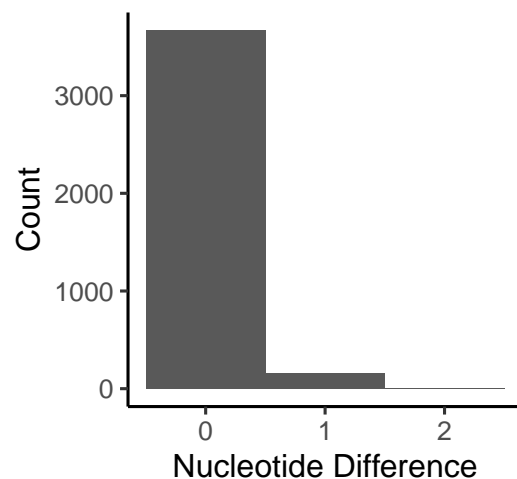
TRBV12-1*ap01

26 sequences assigned
26 (100%) exact matches, in which:
26 unique CDR3
11 unique J



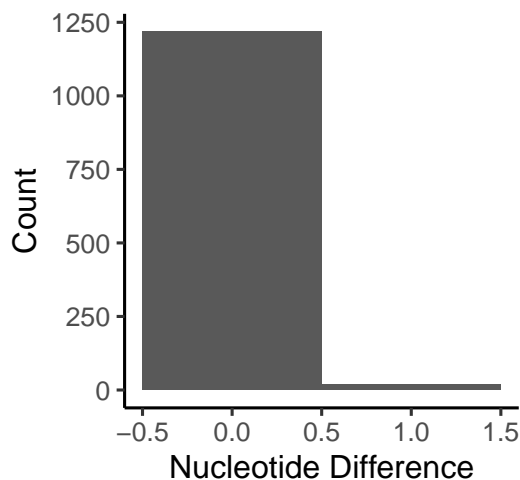
TRBV12-34*ap01

3830 sequences assigned
3668 (95.8%) exact matches, in which:
3570 unique CDR3
13 unique J



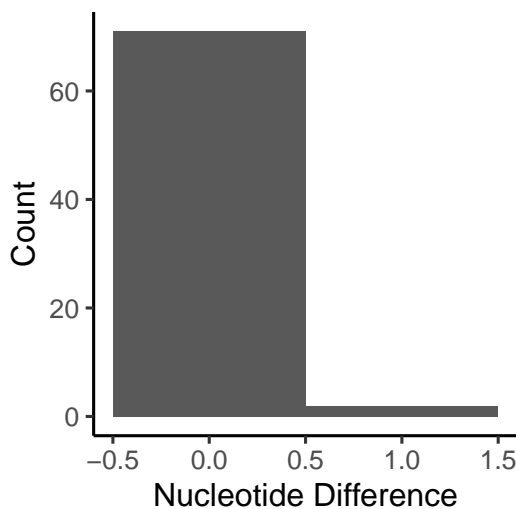
TRBV11-2*ap01

1238 sequences assigned
1218 (98.4%) exact matches, in which:
1193 unique CDR3
13 unique J



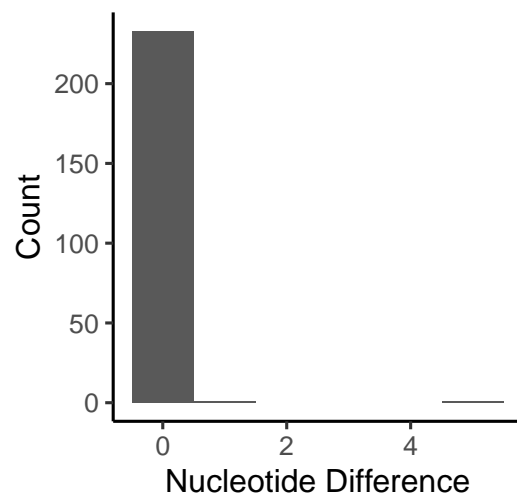
TRBV12-2*ap01

73 sequences assigned
71 (97.3%) exact matches, in which:
69 unique CDR3
12 unique J



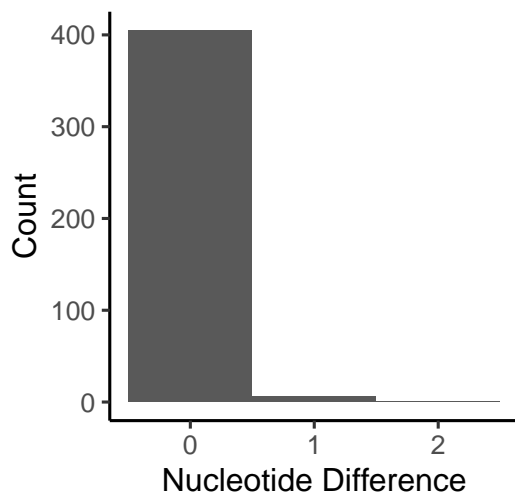
TRBV23-1*ap01

235 sequences assigned
233 (99.1%) exact matches, in which:
232 unique CDR3
13 unique J



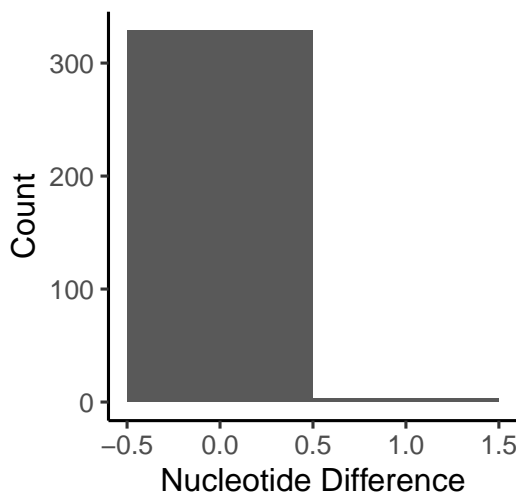
TRBV11-3*ap01

412 sequences assigned
405 (98.3%) exact matches, in which:
394 unique CDR3
13 unique J



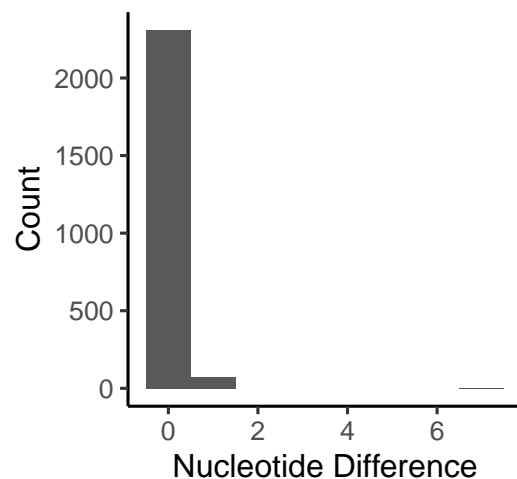
TRBV12-5*ap01

332 sequences assigned
329 (99.1%) exact matches, in which:
320 unique CDR3
13 unique J



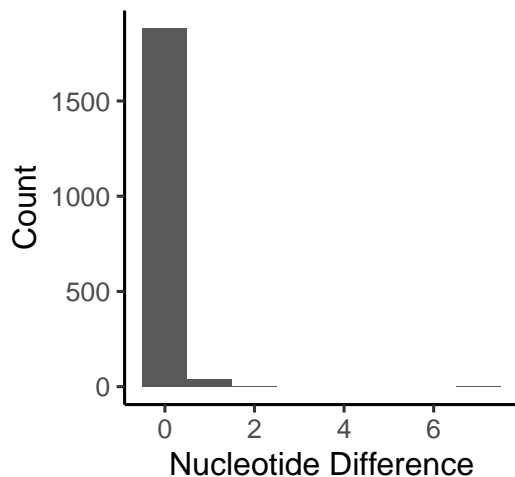
TRBV3-12*ap01

2384 sequences assigned
2309 (96.9%) exact matches, in which:
2275 unique CDR3
14 unique J



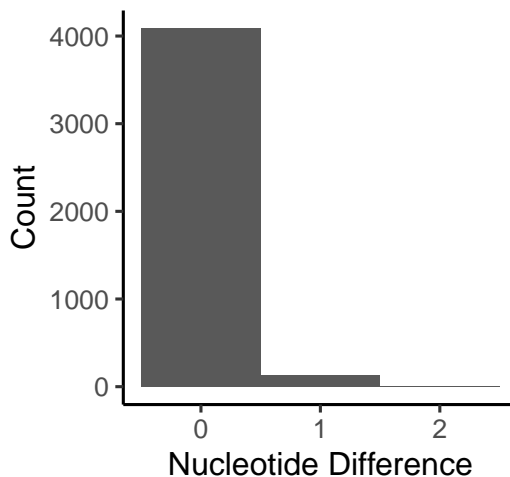
TRBV4-1*ap01

1925 sequences assigned
1881 (97.7%) exact matches, in which:
1821 unique CDR3
13 unique J



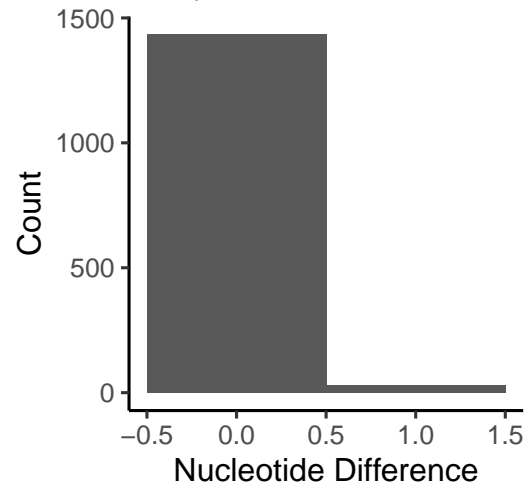
TRBV5-1*ap01

4223 sequences assigned
4087 (96.8%) exact matches, in which:
3928 unique CDR3
13 unique J



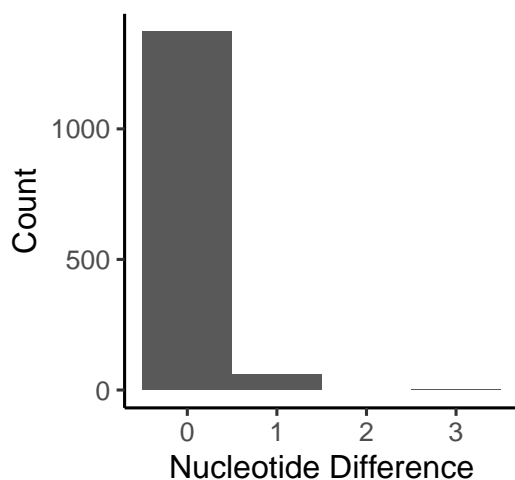
TRBV5-4*ap01

1465 sequences assigned
1434 (97.9%) exact matches, in which:
1396 unique CDR3
13 unique J



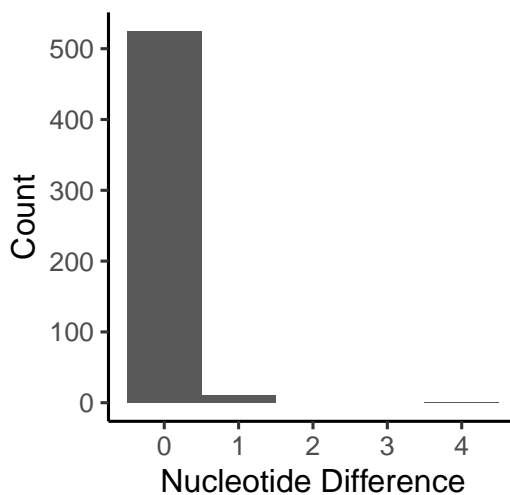
TRBV24-1*ap01

1431 sequences assigned
1372 (95.9%) exact matches, in which:
1335 unique CDR3
13 unique J



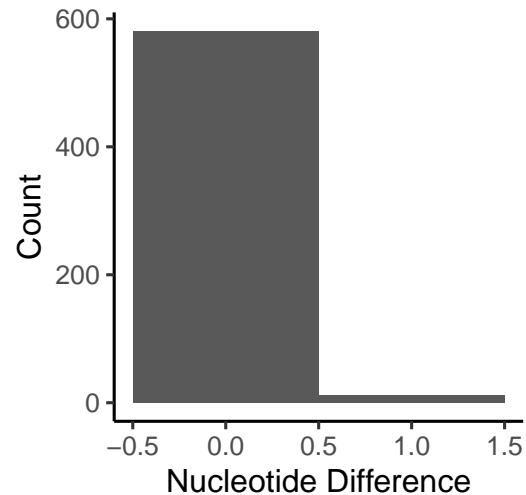
TRBV25-1*ap01

536 sequences assigned
525 (97.9%) exact matches, in which:
509 unique CDR3
13 unique J



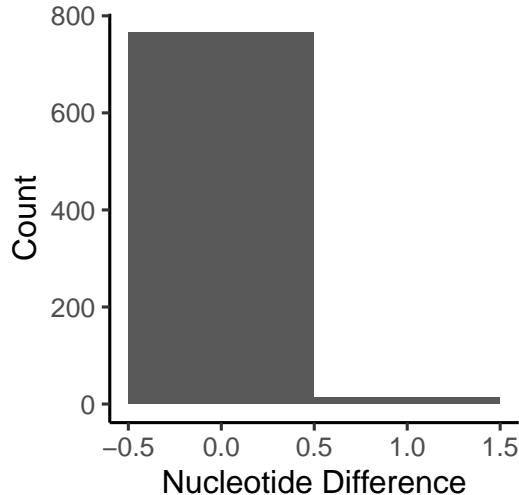
TRBV5-5*ap01

592 sequences assigned
581 (98.1%) exact matches, in which:
561 unique CDR3
13 unique J



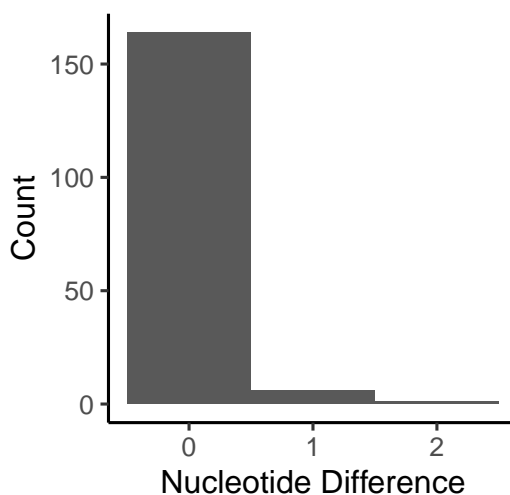
TRBV4-2*ap01

780 sequences assigned
766 (98.2%) exact matches, in which:
746 unique CDR3
13 unique J



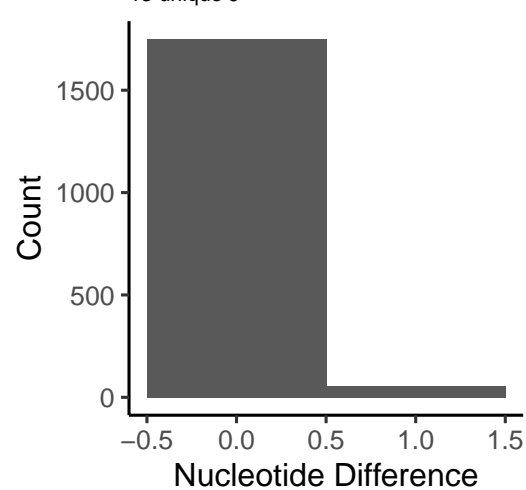
TRBV5-3*ap01

171 sequences assigned
164 (95.9%) exact matches, in which:
160 unique CDR3
13 unique J



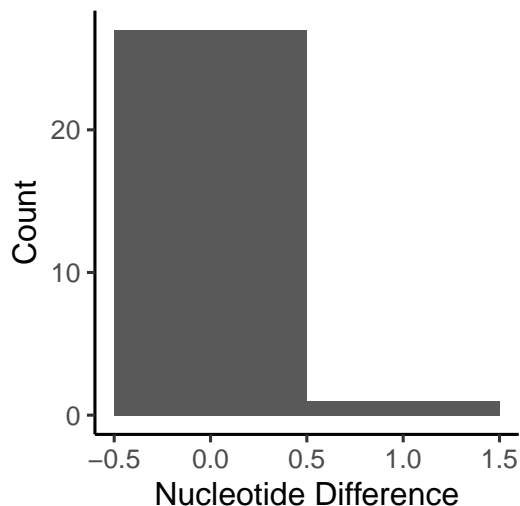
TRBV5-6*ap01

1805 sequences assigned
1750 (97%) exact matches, in which:
1653 unique CDR3
13 unique J



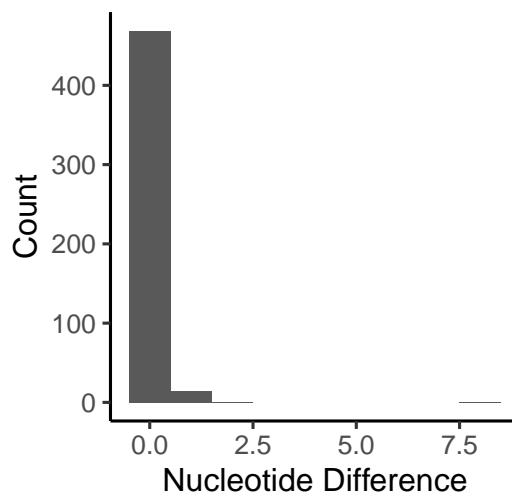
TRBV5-7*ap01

28 sequences assigned
27 (96.4%) exact matches, in which:
26 unique CDR3
9 unique J



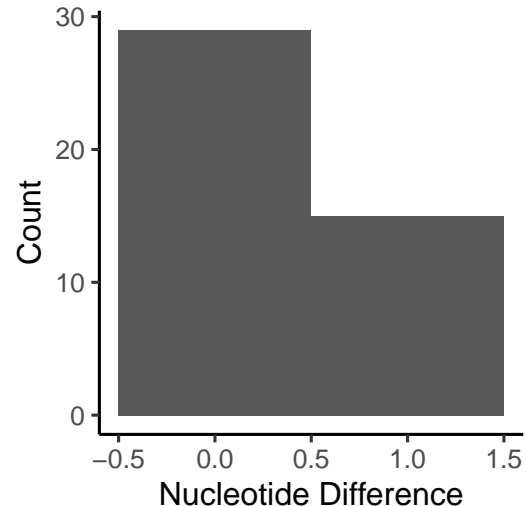
TRBV6-4*ap01

485 sequences assigned
469 (96.7%) exact matches, in which:
459 unique CDR3
13 unique J



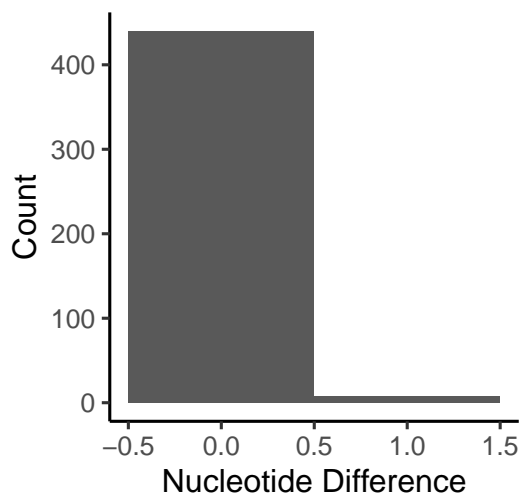
TRBV6-9*ap01

44 sequences assigned
29 (65.9%) exact matches, in which:
28 unique CDR3
9 unique J



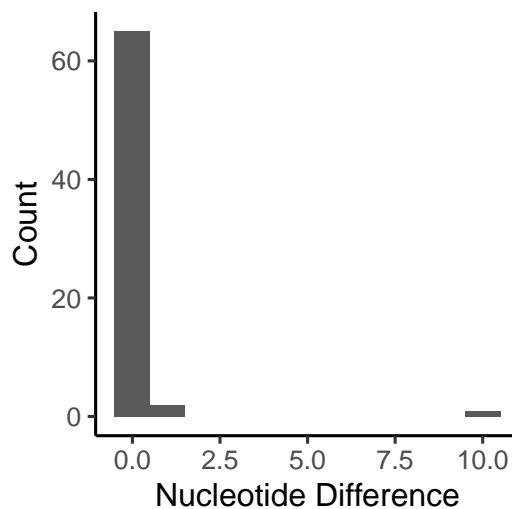
TRBV5-8*ap01

448 sequences assigned
440 (98.2%) exact matches, in which:
434 unique CDR3
13 unique J



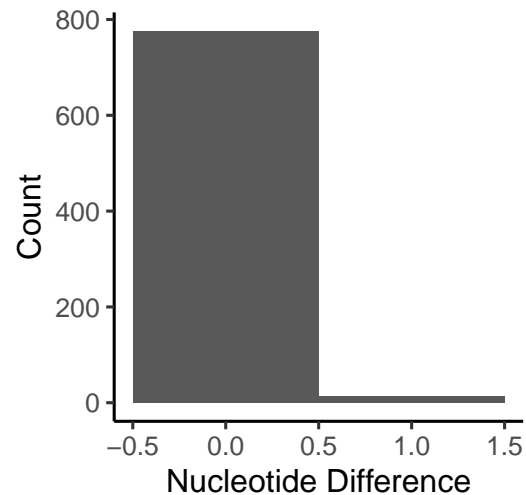
TRBV6-7*ap01

68 sequences assigned
65 (95.6%) exact matches, in which:
62 unique CDR3
12 unique J



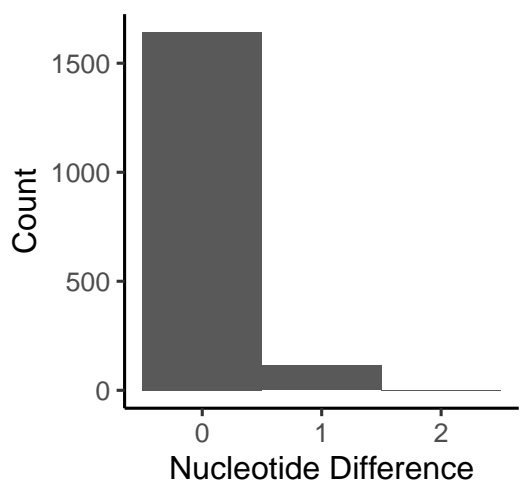
TRBV6-23*ap01

790 sequences assigned
776 (98.2%) exact matches, in which:
765 unique CDR3
13 unique J



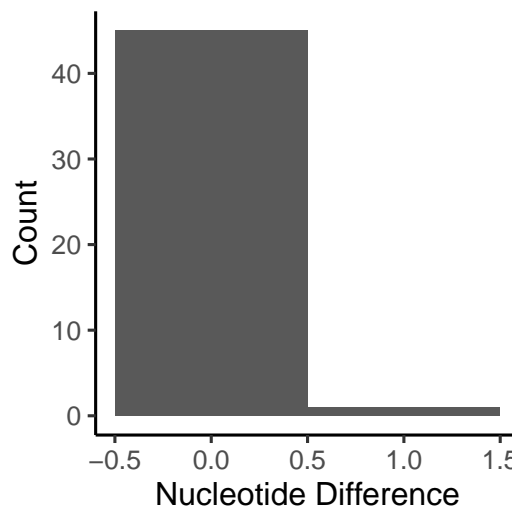
TRBV6-1*ap01

1759 sequences assigned
1643 (93.4%) exact matches, in which:
1598 unique CDR3
13 unique J



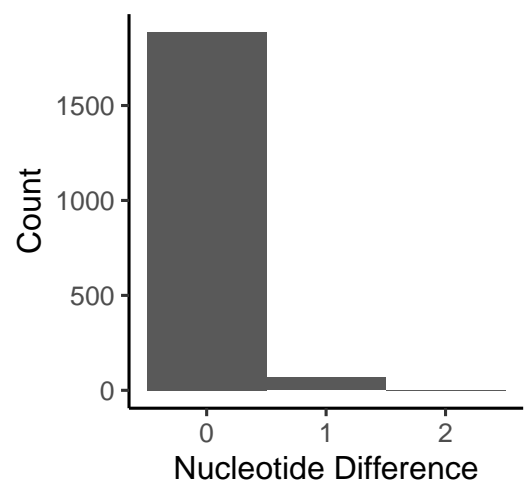
TRBV6-8*ap01

46 sequences assigned
45 (97.8%) exact matches, in which:
41 unique CDR3
10 unique J



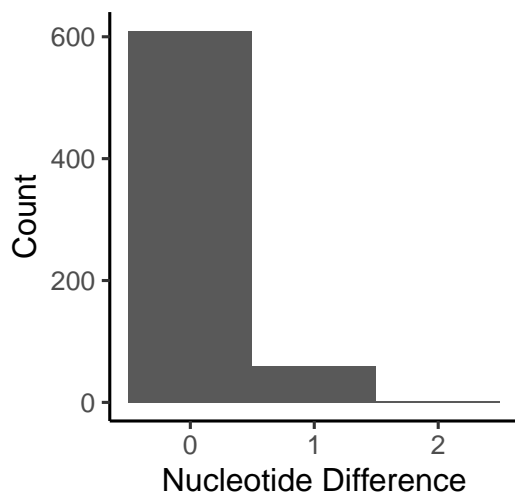
TRBV6-56*ap01

1956 sequences assigned
1887 (96.5%) exact matches, in which:
1841 unique CDR3
13 unique J



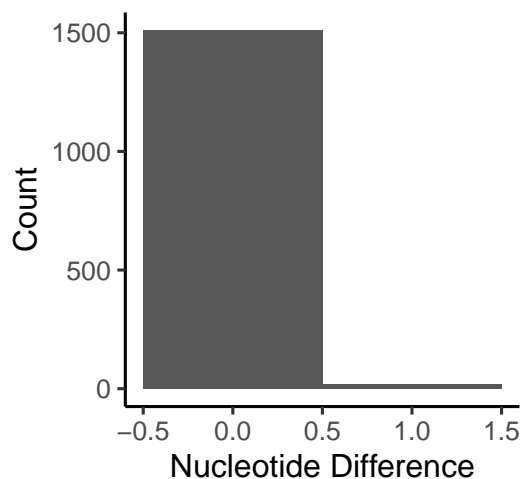
TRBV6–56*ap02

672 sequences assigned
610 (90.8%) exact matches, in which:
586 unique CDR3
13 unique J



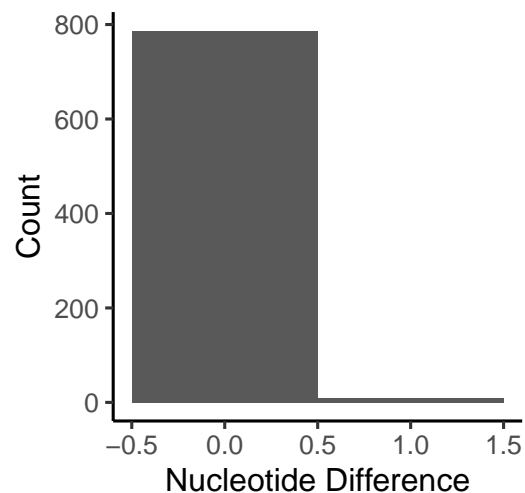
TRBV7–2*ap01

1527 sequences assigned
1510 (98.9%) exact matches, in which:
1473 unique CDR3
13 unique J



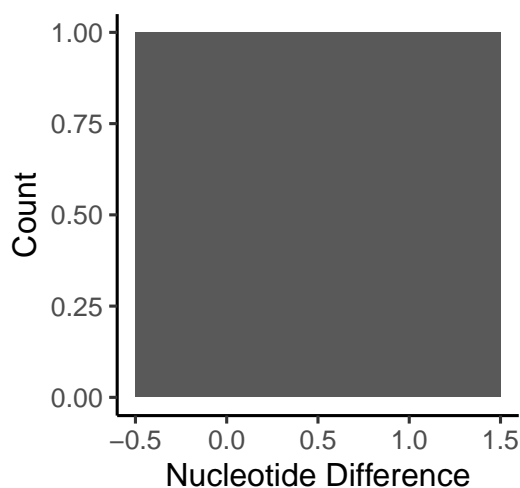
TRBV7–6*ap01

796 sequences assigned
787 (98.9%) exact matches, in which:
767 unique CDR3
13 unique J



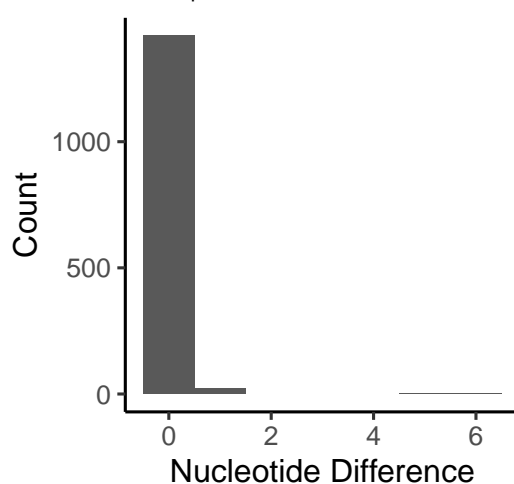
TRBV7–1*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



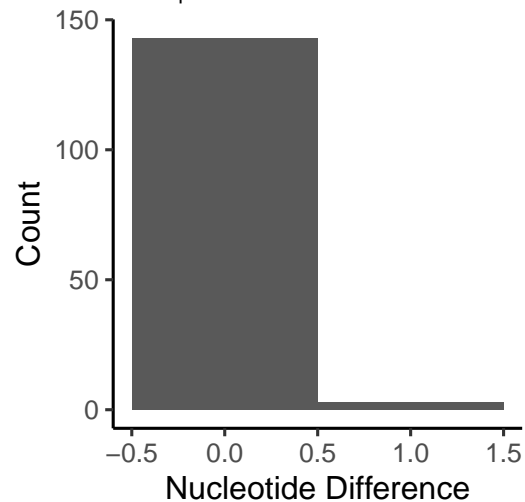
TRBV7–3*ap01

1442 sequences assigned
1420 (98.5%) exact matches, in which:
1383 unique CDR3
13 unique J



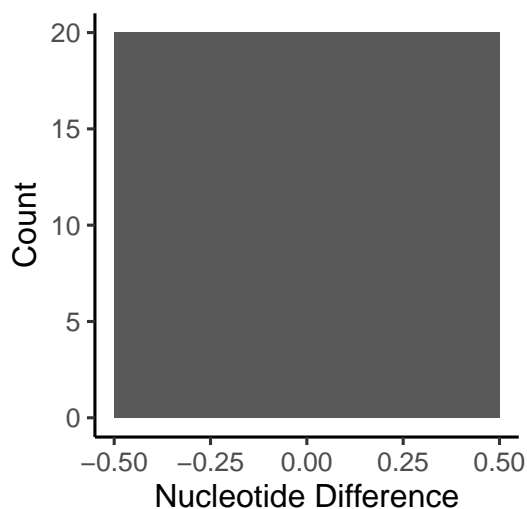
TRBV7–7*ap01

146 sequences assigned
143 (97.9%) exact matches, in which:
136 unique CDR3
12 unique J



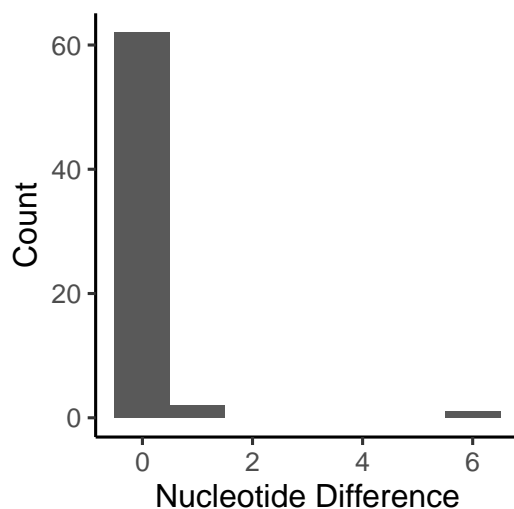
TRBV7–1*ap01_G291C_T

20 sequences assigned
20 (100%) exact matches, in which:
19 unique CDR3
8 unique J



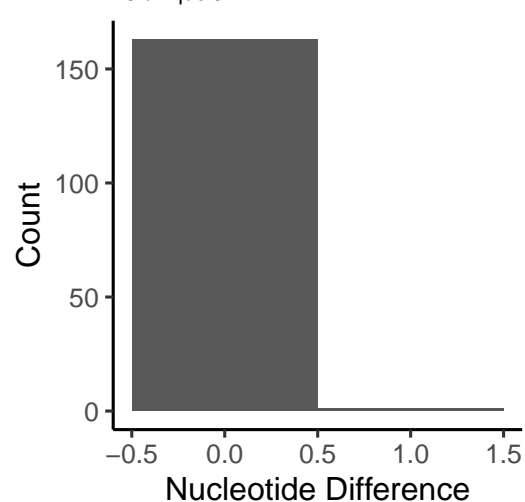
TRBV7–4*ap01

65 sequences assigned
62 (95.4%) exact matches, in which:
62 unique CDR3
12 unique J



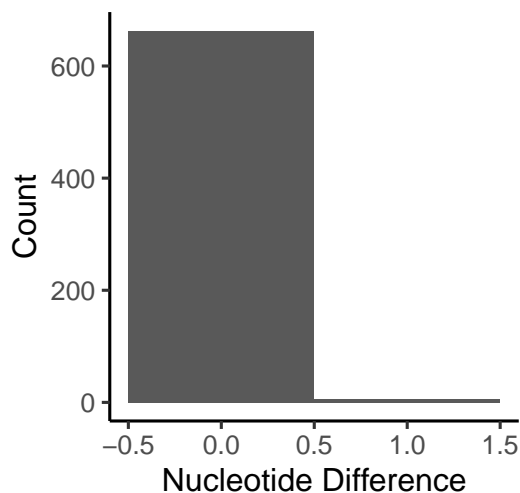
TRBV7–7*ap01_C315T

164 sequences assigned
163 (99.4%) exact matches, in which:
157 unique CDR3
13 unique J



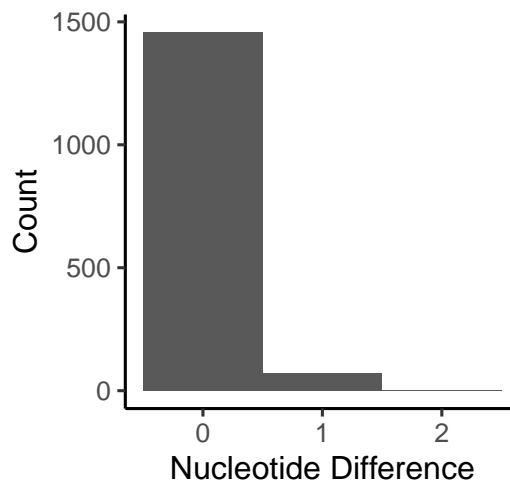
TRBV7-8*ap01

669 sequences assigned
663 (99.1%) exact matches, in which:
646 unique CDR3
13 unique J



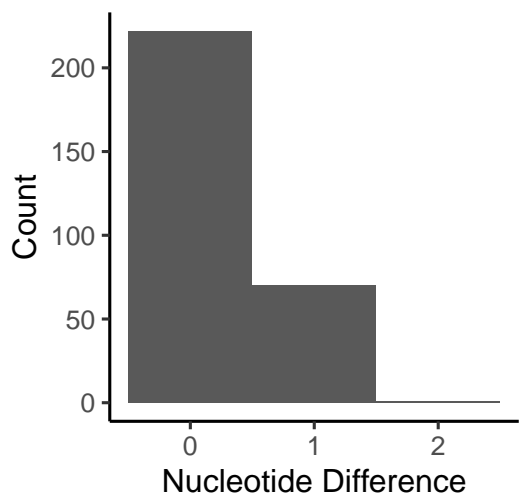
TRBV29-1*ap01

1533 sequences assigned
1457 (95%) exact matches, in which:
1362 unique CDR3
13 unique J



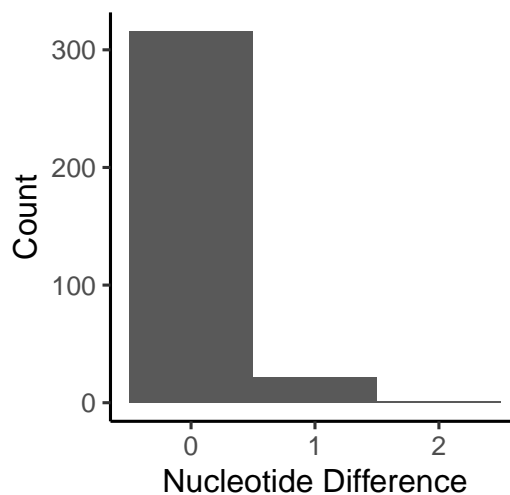
TRBV7-8*ap03

293 sequences assigned
222 (75.8%) exact matches, in which:
214 unique CDR3
13 unique J



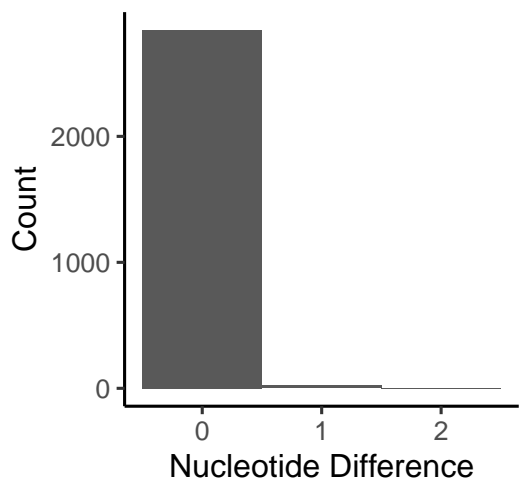
TRBV29-1*ap02

339 sequences assigned
316 (93.2%) exact matches, in which:
292 unique CDR3
13 unique J

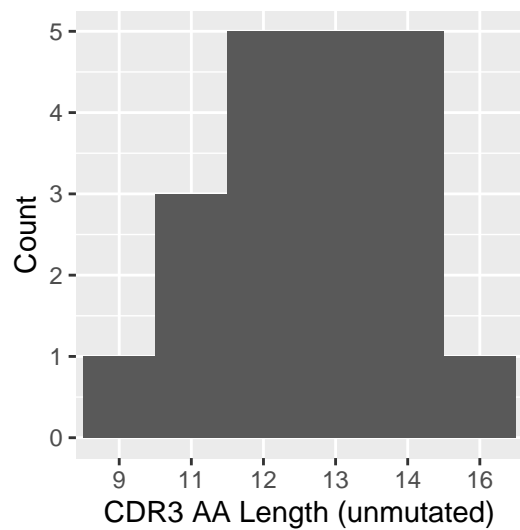


TRBV7-9*ap01

2868 sequences assigned
2844 (99.2%) exact matches, in which:
2760 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

