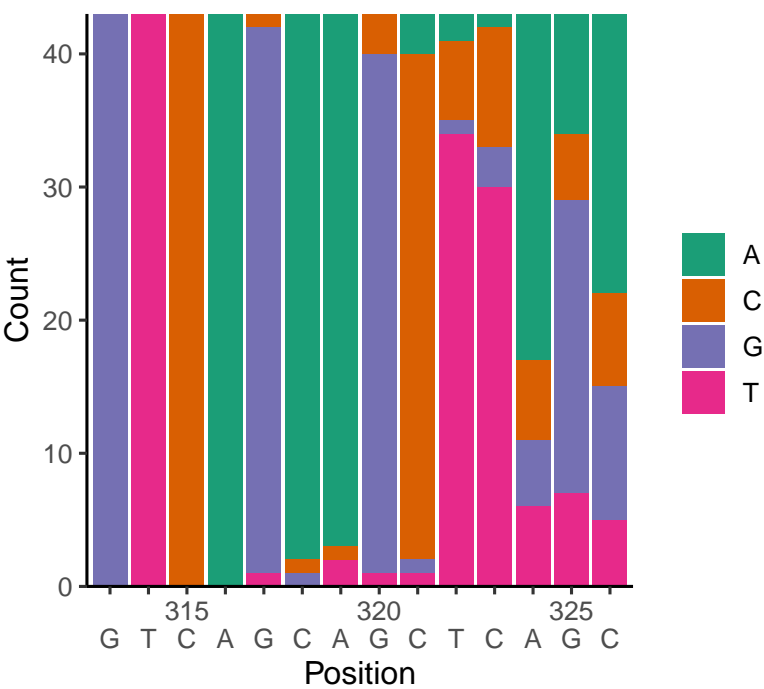
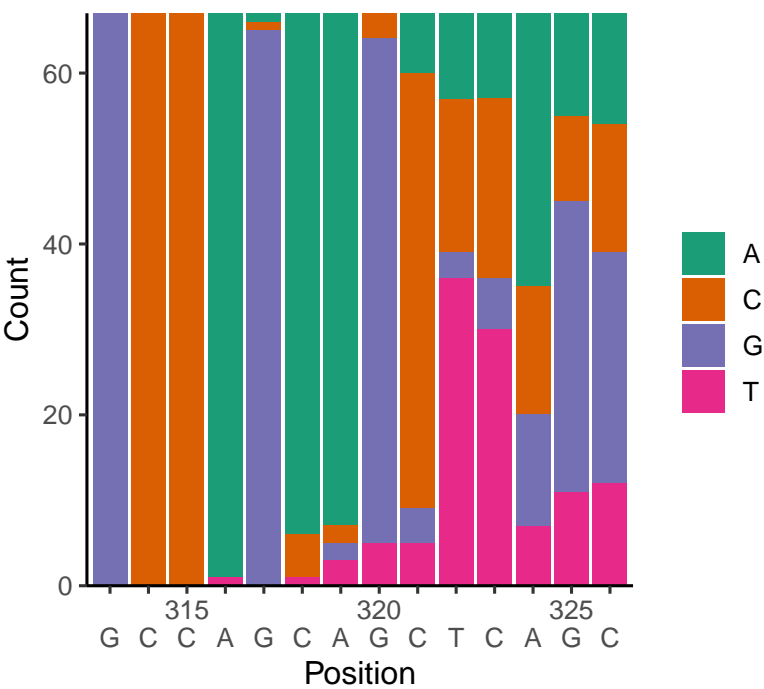


Gene TRBV7-1*ap01_G291C_T296C_C314T



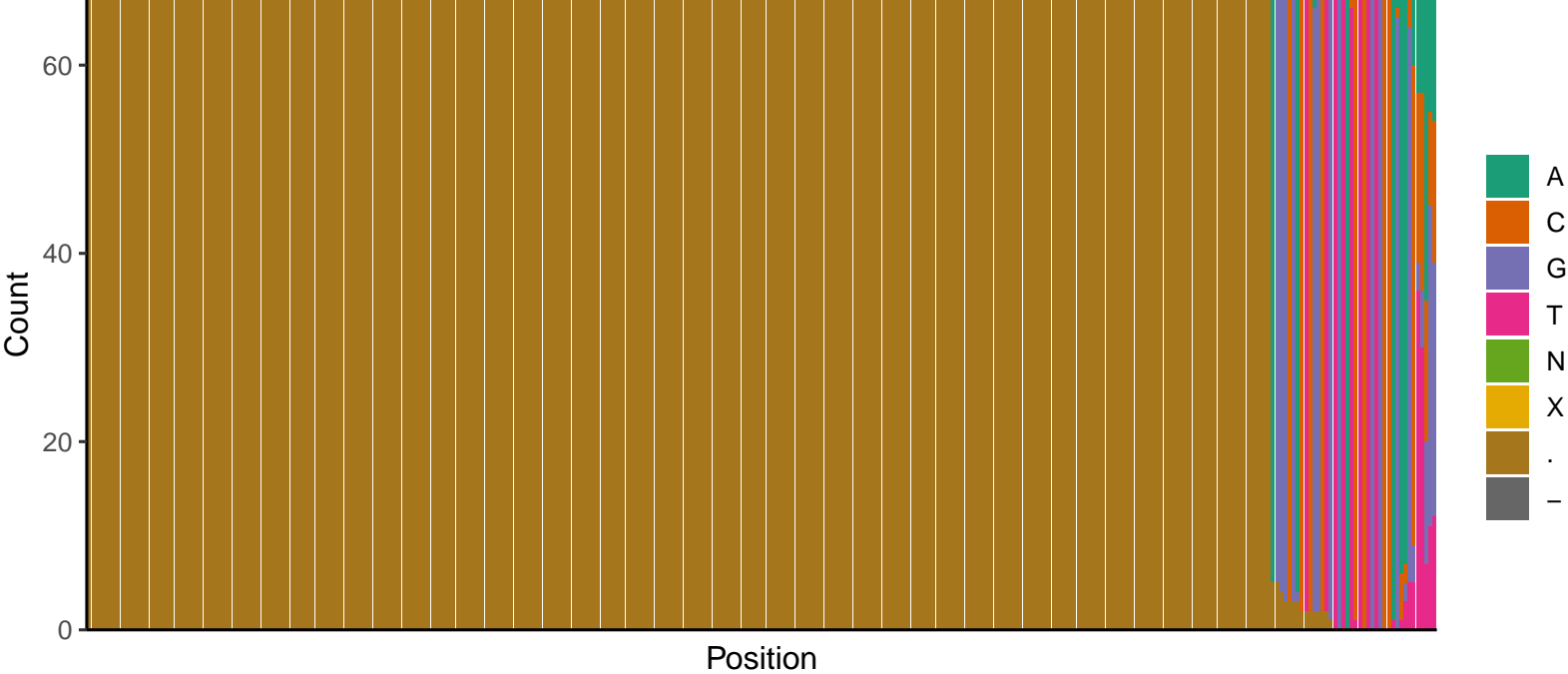
Gene TRBV7-1*ap01_G291C_T296C



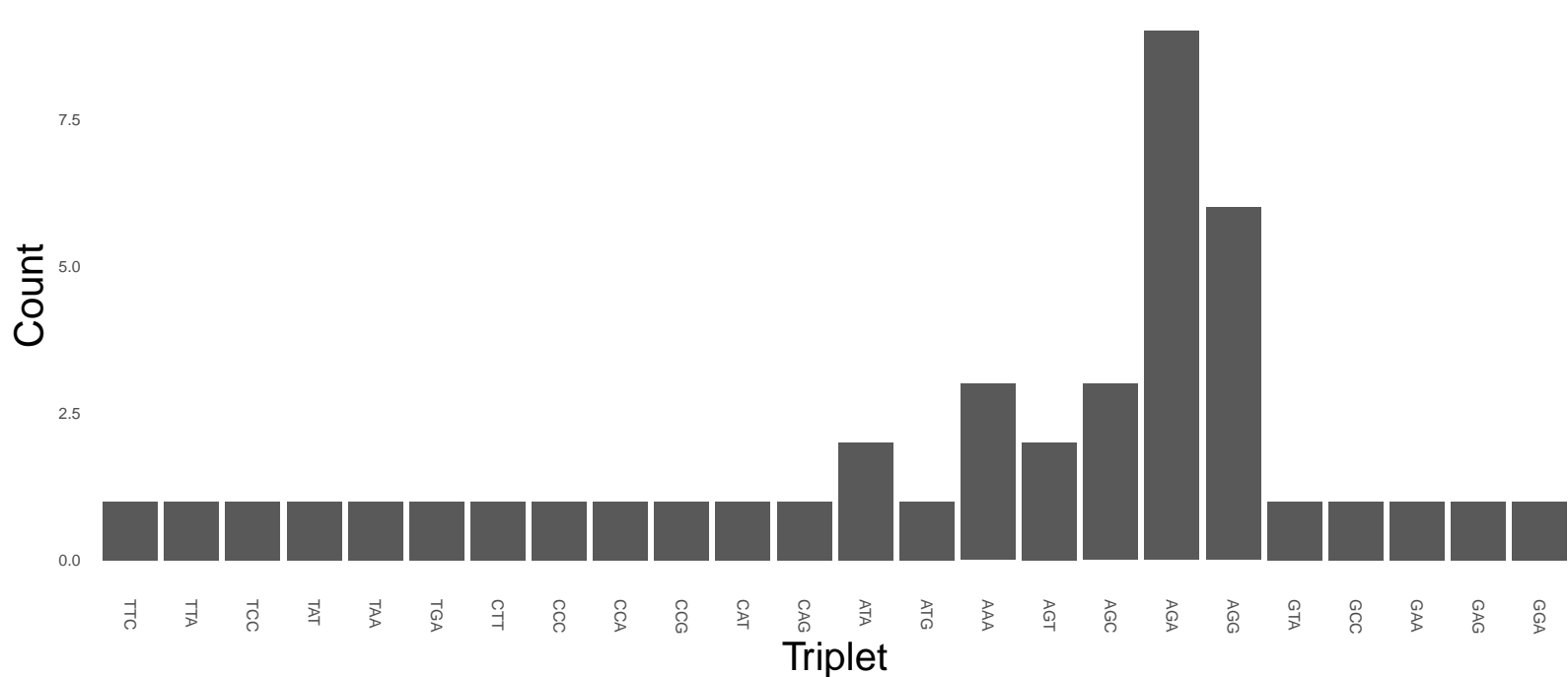
Gene TRBV7-1*ap01_G291C_T296C_C314T



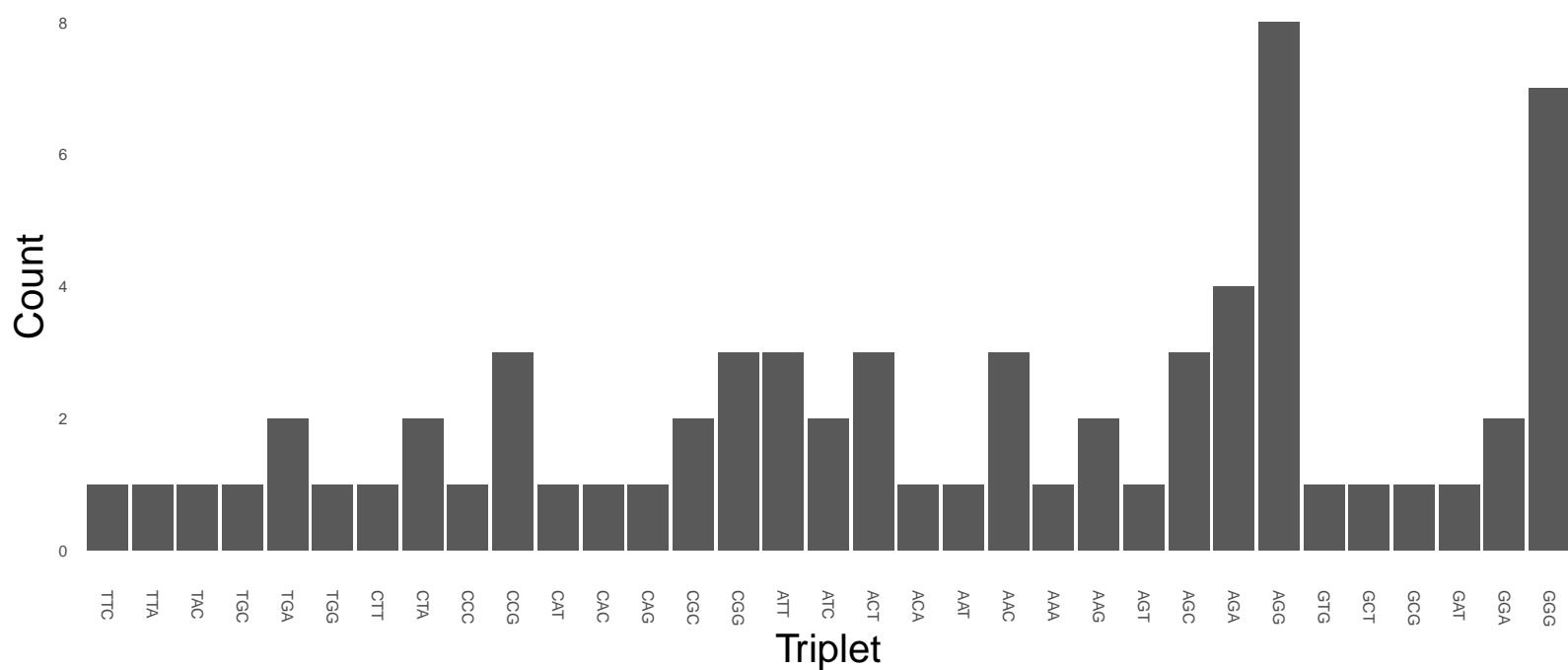
Gene TRBV7-1*ap01_G291C_T296C



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

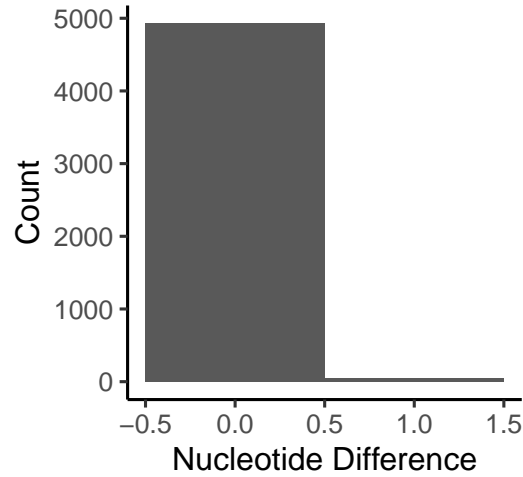


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



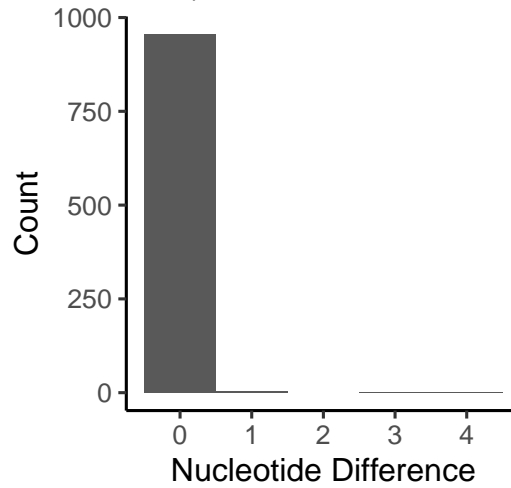
TRBV20-1*ap01

4975 sequences assigned
4929 (99.1%) exact matches, in which:
4871 unique CDR3
13 unique J



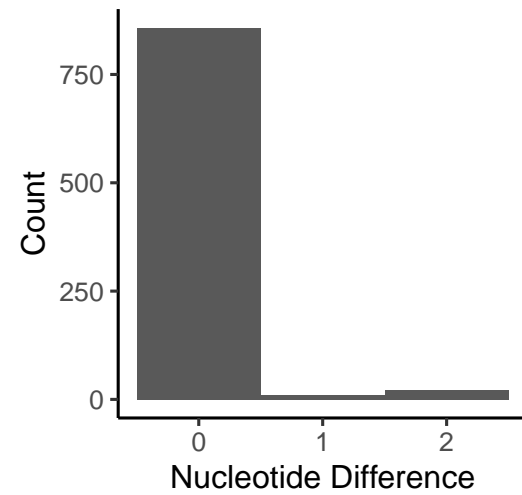
TRBV10-2*ap01

962 sequences assigned
955 (99.3%) exact matches, in which:
942 unique CDR3
13 unique J



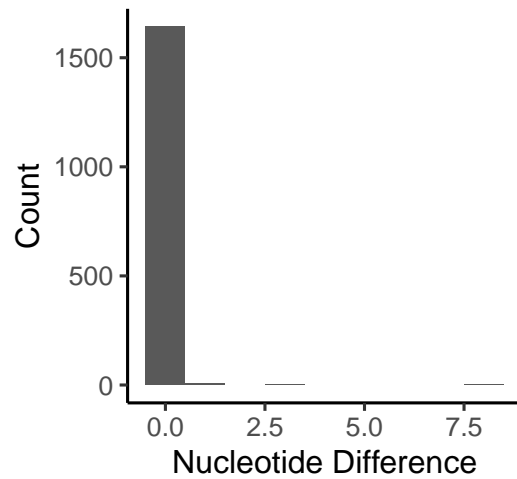
TRBV13*ap01

891 sequences assigned
858 (96.3%) exact matches, in which:
834 unique CDR3
13 unique J



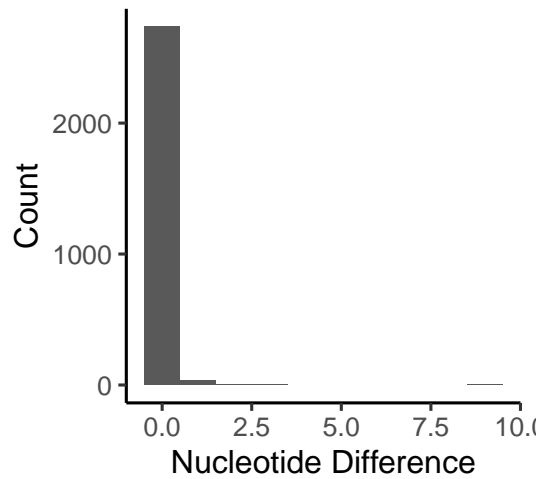
TRBV10-1*ap01

1652 sequences assigned
1642 (99.4%) exact matches, in which:
1609 unique CDR3
13 unique J



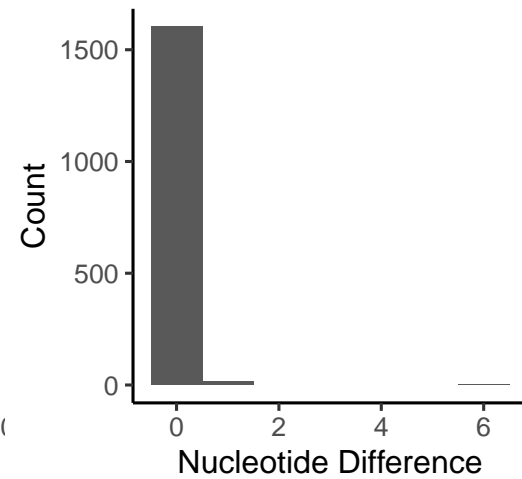
TRBV10-3*ap01

2771 sequences assigned
2736 (98.7%) exact matches, in which:
2707 unique CDR3
13 unique J



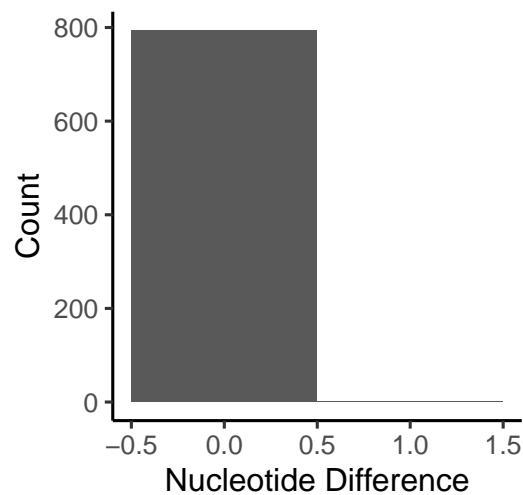
TRBV14*ap01

1618 sequences assigned
1603 (99.1%) exact matches, in which:
1586 unique CDR3
13 unique J



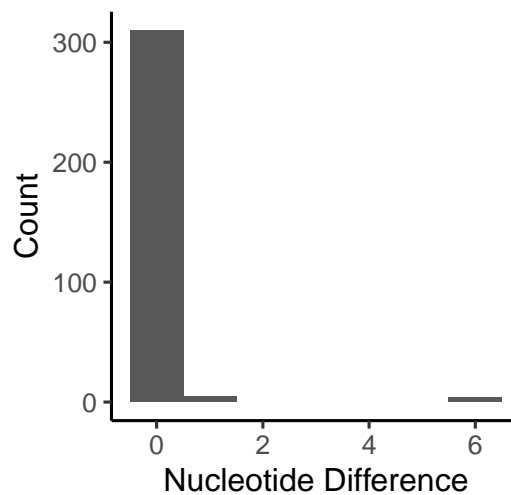
TRBV20-1*ap02

796 sequences assigned
794 (99.7%) exact matches, in which:
785 unique CDR3
13 unique J



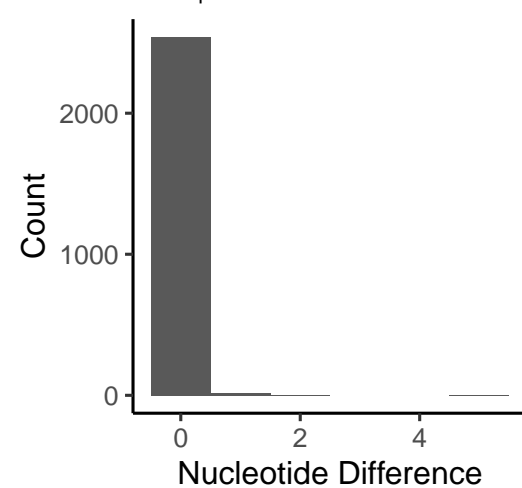
TRBV1*ap01

319 sequences assigned
310 (97.2%) exact matches, in which:
303 unique CDR3
13 unique J



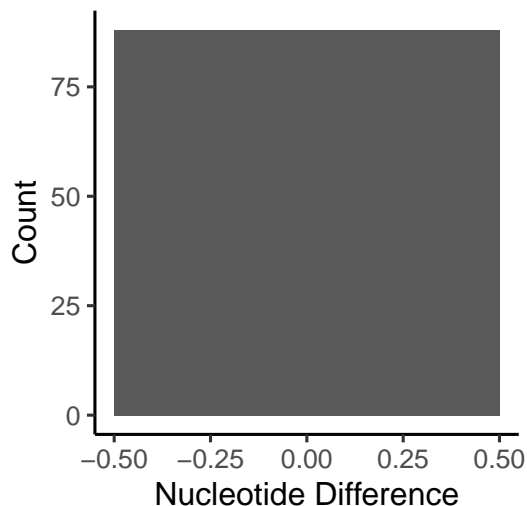
TRBV15*ap02

2560 sequences assigned
2540 (99.2%) exact matches, in which:
2499 unique CDR3
13 unique J



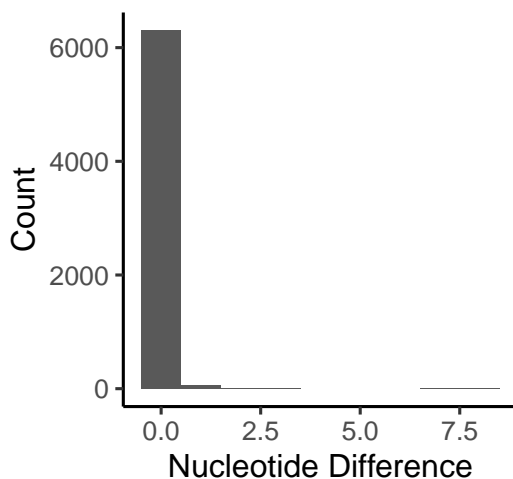
TRBV16*ap01

88 sequences assigned
88 (100%) exact matches, in which:
88 unique CDR3
12 unique J



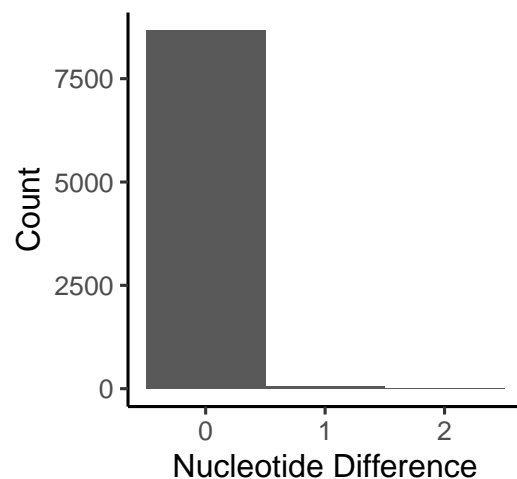
TRBV19*ap01

6369 sequences assigned
6303 (99%) exact matches, in which:
6276 unique CDR3
13 unique J



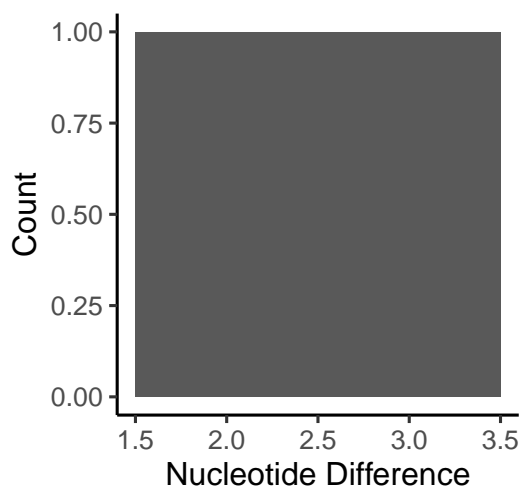
TRBV28*ap01

8731 sequences assigned
8668 (99.3%) exact matches, in which:
8581 unique CDR3
13 unique J



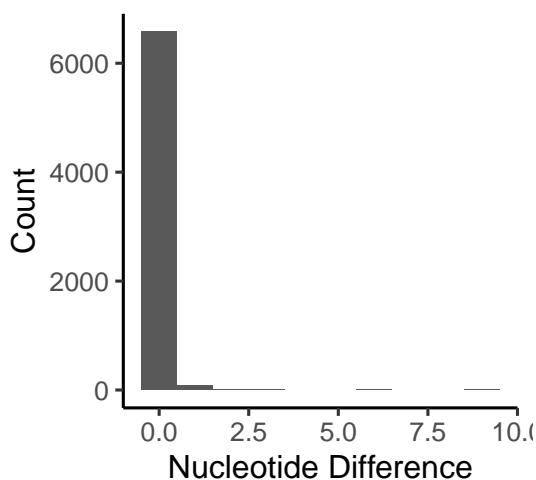
TRBV17*ap01

2 sequences assigned
No exact matches.



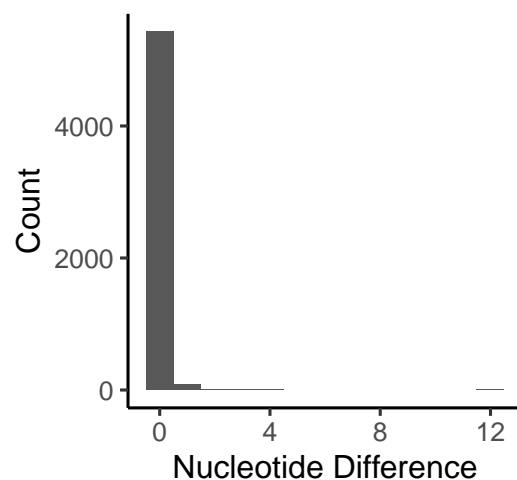
TRBV2*ap01

6678 sequences assigned
6579 (98.5%) exact matches, in which:
6457 unique CDR3
13 unique J



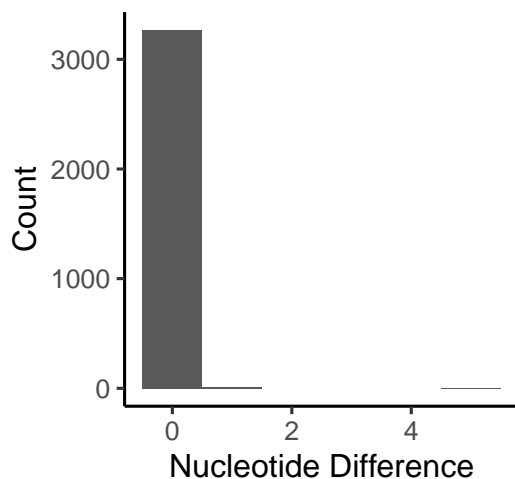
TRBV30*ap01

5518 sequences assigned
5428 (98.4%) exact matches, in which:
5319 unique CDR3
13 unique J



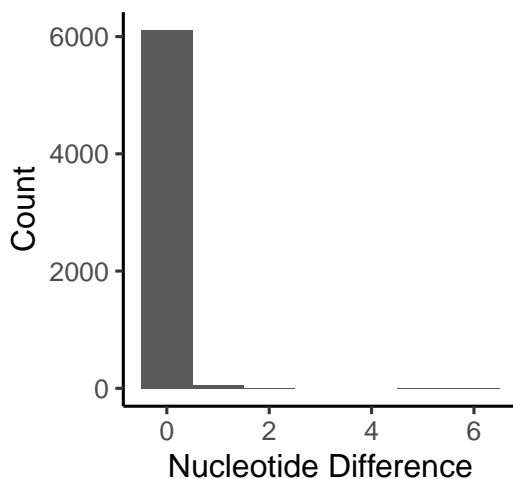
TRBV18*ap01

3281 sequences assigned
3267 (99.6%) exact matches, in which:
3250 unique CDR3
13 unique J



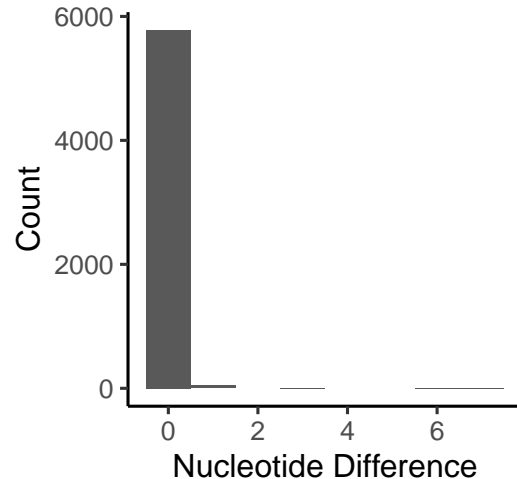
TRBV27*ap01

6181 sequences assigned
6112 (98.9%) exact matches, in which:
6003 unique CDR3
13 unique J



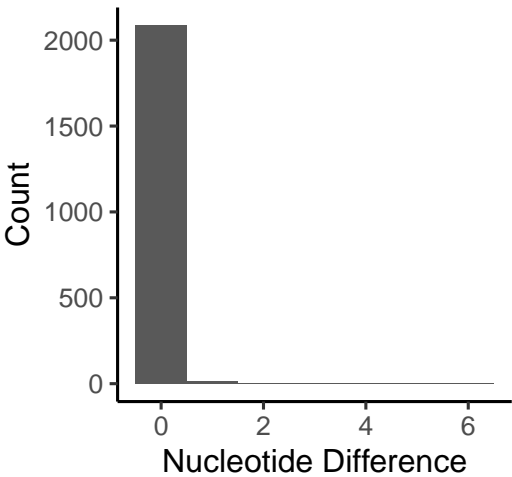
TRBV9*ap01

5832 sequences assigned
5780 (99.1%) exact matches, in which:
5705 unique CDR3
13 unique J



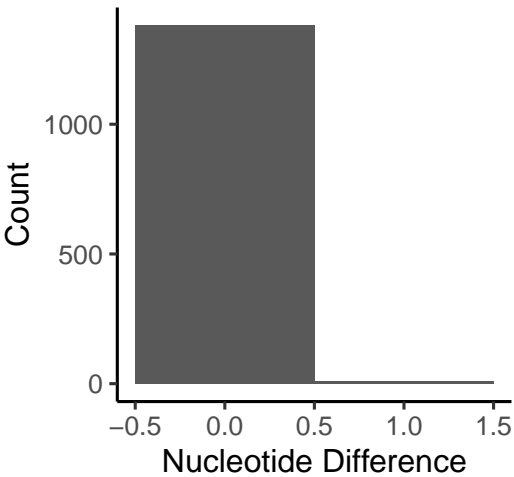
TRBV21-1*ap01

2109 sequences assigned
2086 (98.9%) exact matches, in which:
2070 unique CDR3
13 unique J



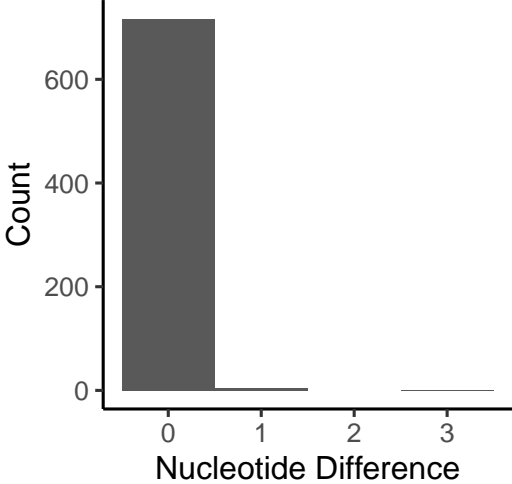
TRBV11-3*ap01

1389 sequences assigned
1381 (99.4%) exact matches, in which:
1366 unique CDR3
13 unique J



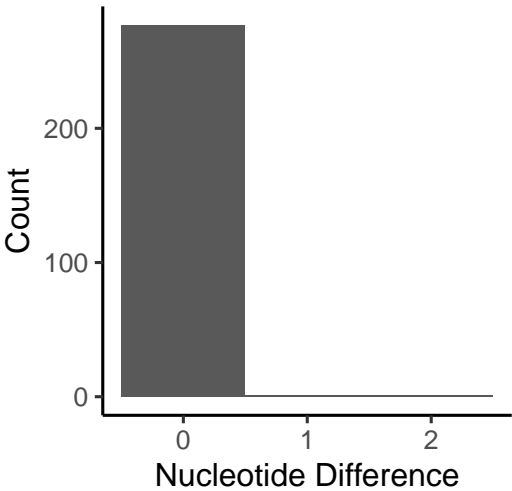
TRBV12-5*ap01

723 sequences assigned
717 (99.2%) exact matches, in which:
705 unique CDR3
13 unique J



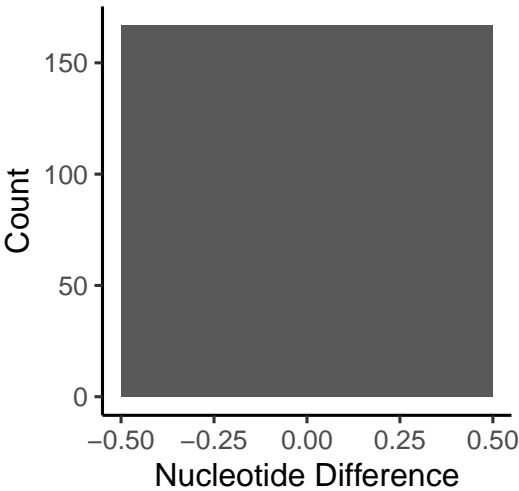
TRBV11-1*ap01

279 sequences assigned
277 (99.3%) exact matches, in which:
276 unique CDR3
13 unique J



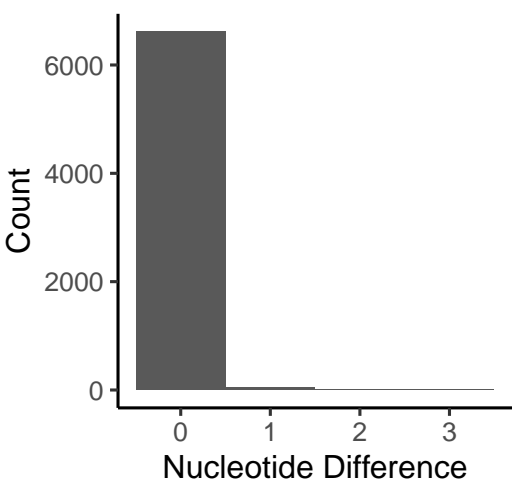
TRBV12-1*ap01

167 sequences assigned
167 (100%) exact matches, in which:
166 unique CDR3
13 unique J



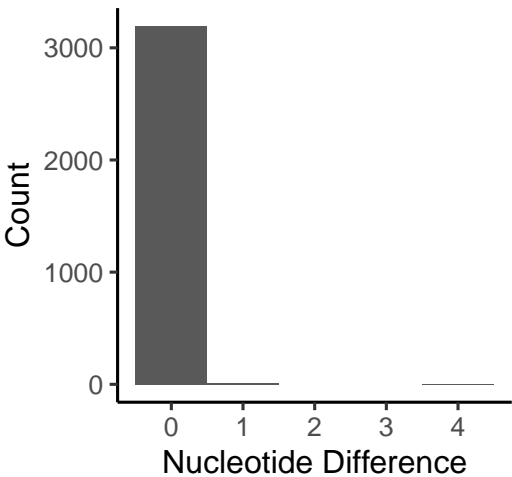
TRBV12-34*ap01

6671 sequences assigned
6614 (99.1%) exact matches, in which:
6533 unique CDR3
13 unique J



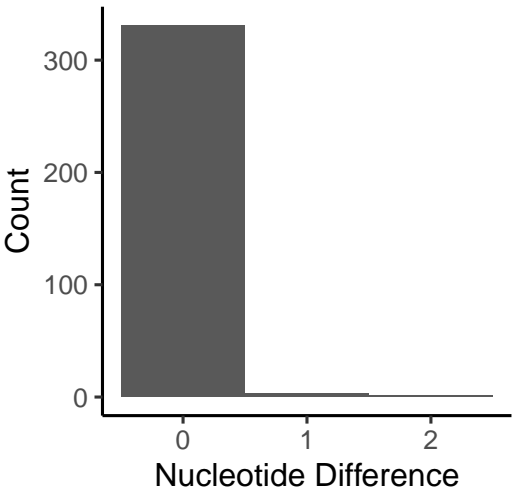
TRBV11-2*ap01

3208 sequences assigned
3194 (99.6%) exact matches, in which:
3169 unique CDR3
13 unique J



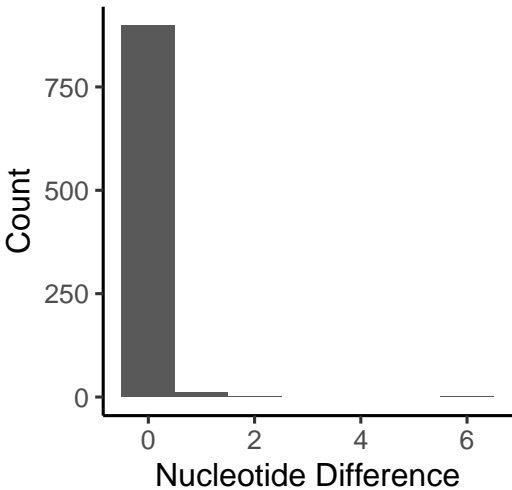
TRBV12-2*ap01

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



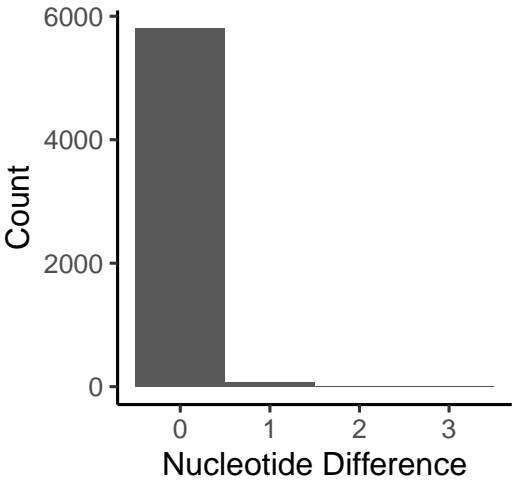
TRBV23-1*ap01

913 sequences assigned
899 (98.5%) exact matches, in which:
888 unique CDR3
13 unique J



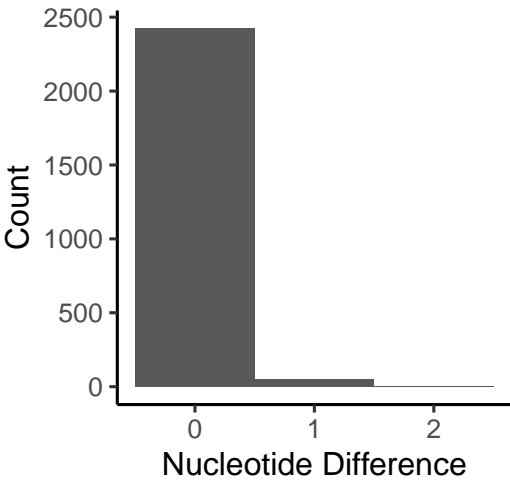
TRBV3-12*ap01

5877 sequences assigned
5803 (98.7%) exact matches, in which:
5693 unique CDR3
13 unique J



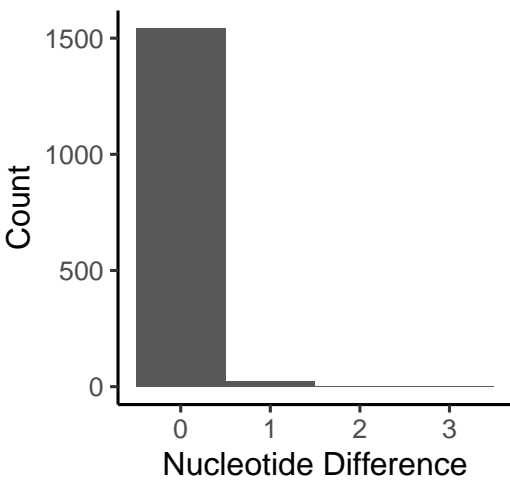
TRBV4-2*ap01

2475 sequences assigned
2424 (97.9%) exact matches, in which:
2379 unique CDR3
13 unique J



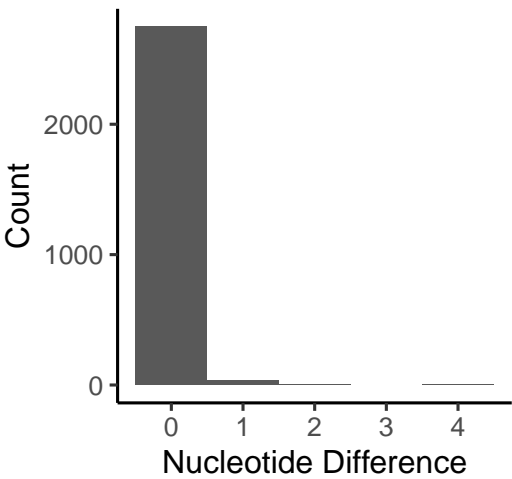
TRBV25-1*ap01

1569 sequences assigned
1542 (98.3%) exact matches, in which:
1510 unique CDR3
13 unique J



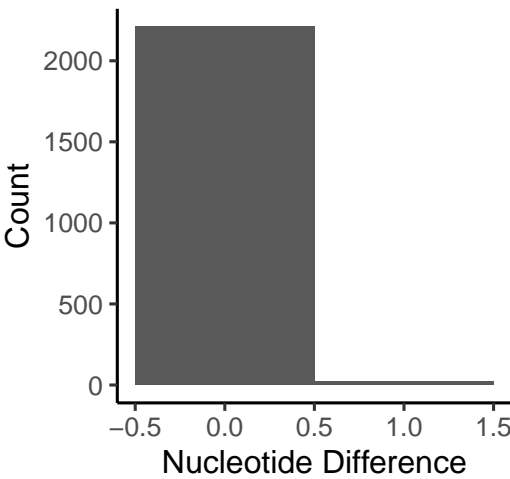
TRBV24-1*ap01

2781 sequences assigned
2748 (98.8%) exact matches, in which:
2690 unique CDR3
13 unique J



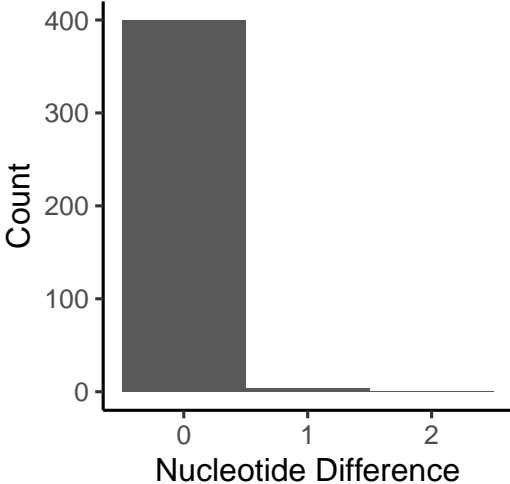
TRBV4-3*ap01

2232 sequences assigned
2210 (99%) exact matches, in which:
2180 unique CDR3
13 unique J



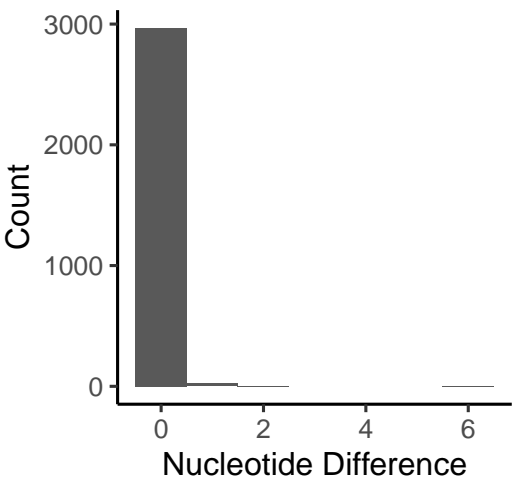
TRBV5-3*ap01

405 sequences assigned
400 (98.8%) exact matches, in which:
397 unique CDR3
13 unique J



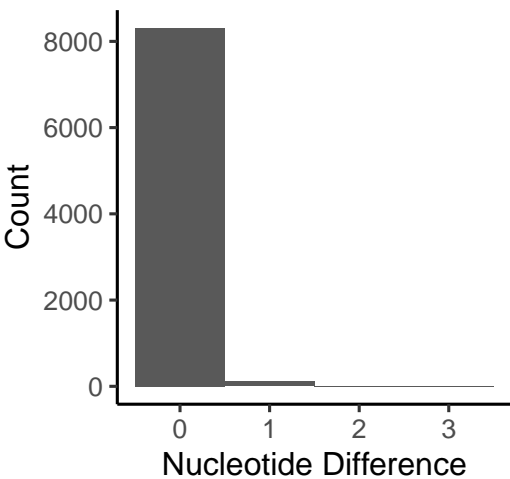
TRBV4-1*ap01

2992 sequences assigned
2967 (99.2%) exact matches, in which:
2913 unique CDR3
13 unique J



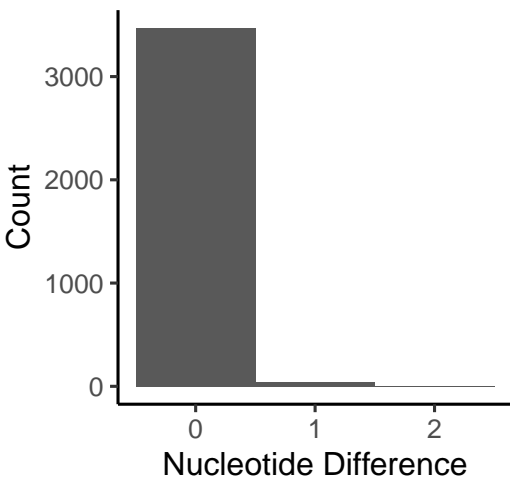
TRBV5-1*ap01

8422 sequences assigned
8309 (98.7%) exact matches, in which:
8123 unique CDR3
13 unique J



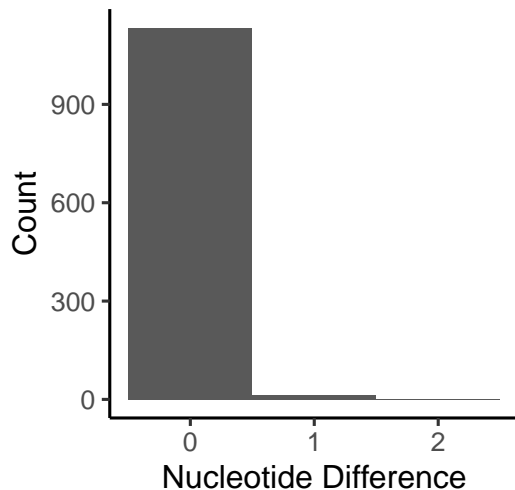
TRBV5-4*ap01

3510 sequences assigned
3470 (98.9%) exact matches, in which:
3408 unique CDR3
13 unique J



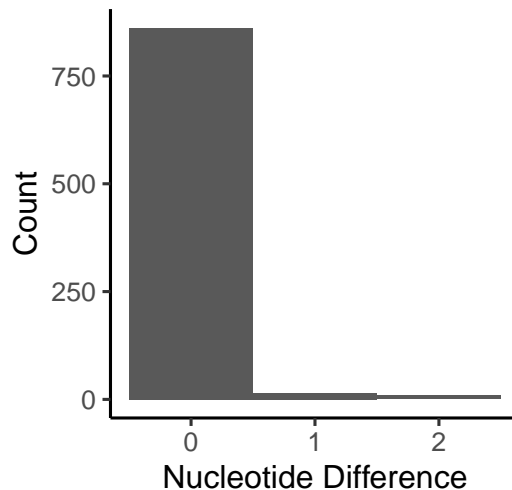
TRBV5-5*ap01

1148 sequences assigned
1134 (98.8%) exact matches, in which:
1125 unique CDR3
13 unique J



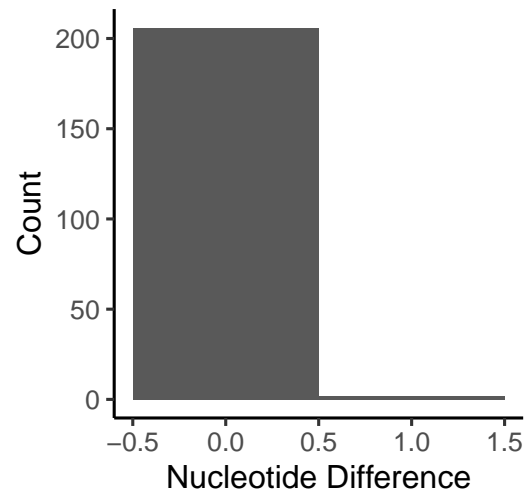
TRBV5-8*ap01

886 sequences assigned
862 (97.3%) exact matches, in which:
853 unique CDR3
13 unique J



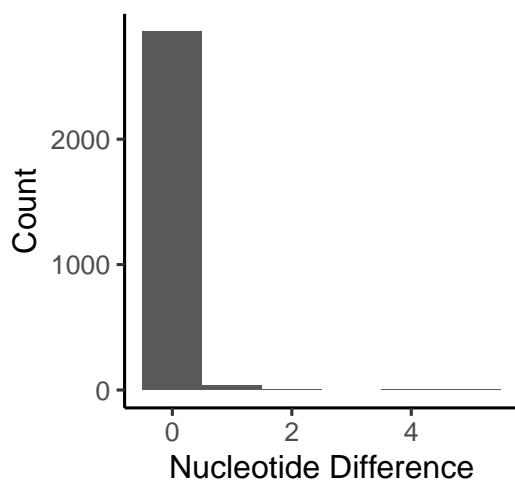
TRBV6-7*ap01

208 sequences assigned
206 (99%) exact matches, in which:
206 unique CDR3
13 unique J



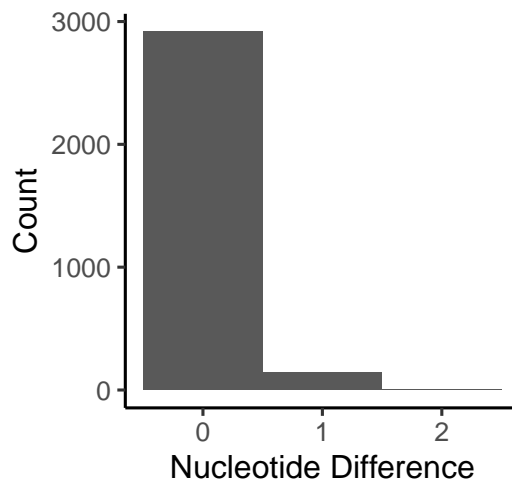
TRBV5-6*ap01

2899 sequences assigned
2857 (98.6%) exact matches, in which:
2779 unique CDR3
13 unique J



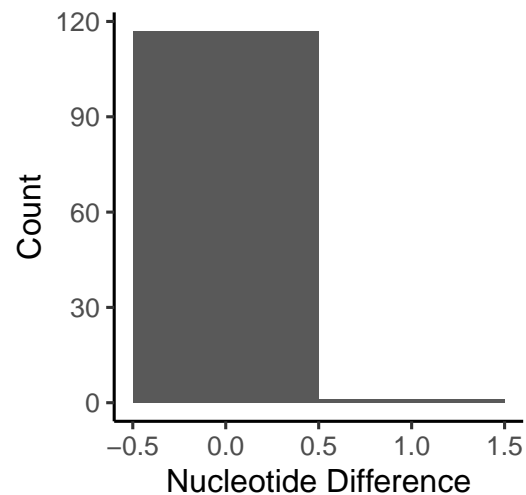
TRBV6-1*ap01

3062 sequences assigned
2917 (95.3%) exact matches, in which:
2871 unique CDR3
13 unique J



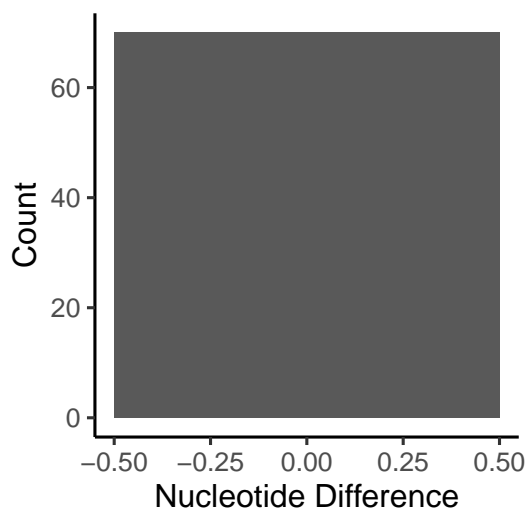
TRBV6-8*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
111 unique CDR3
13 unique J



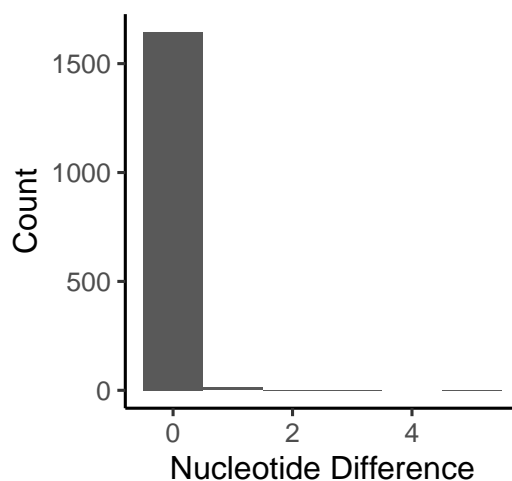
TRBV5-7*ap01

70 sequences assigned
70 (100%) exact matches, in which:
68 unique CDR3
13 unique J



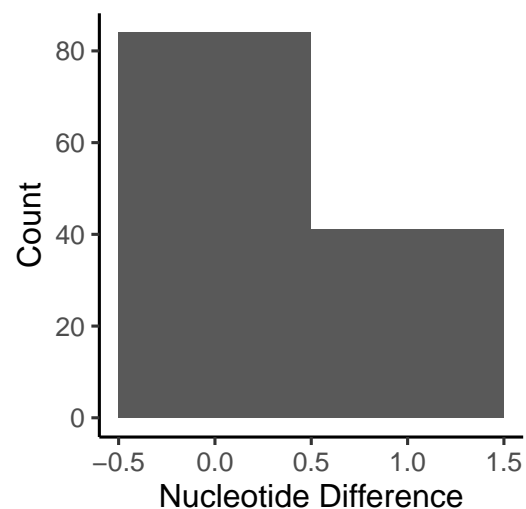
TRBV6-4*ap01

1662 sequences assigned
1645 (99%) exact matches, in which:
1632 unique CDR3
13 unique J



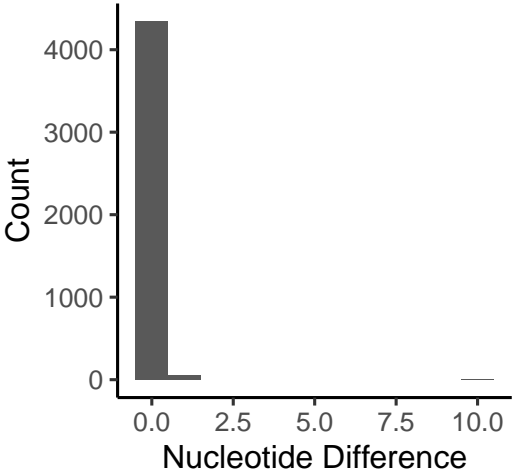
TRBV6-9*ap01

125 sequences assigned
84 (67.2%) exact matches, in which:
80 unique CDR3
12 unique J



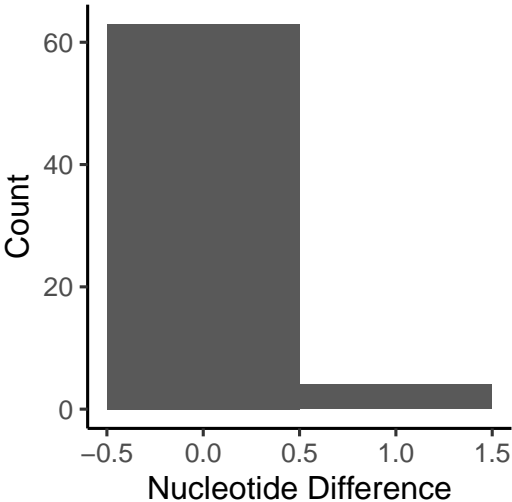
TRBV6-23*ap01

4400 sequences assigned
4343 (98.7%) exact matches, in which:
4239 unique CDR3
13 unique J



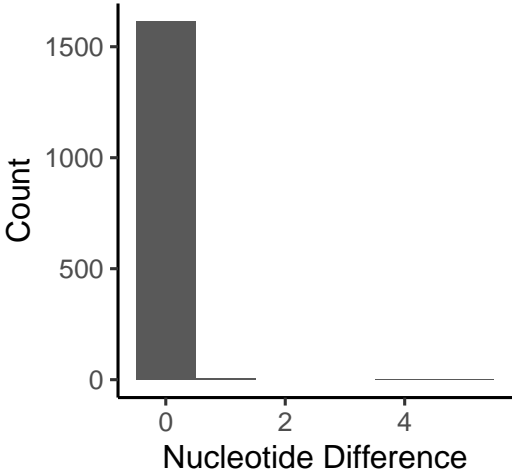
TRBV7-1*ap01_G291C_T

67 sequences assigned
63 (94%) exact matches, in which:
63 unique CDR3
13 unique J



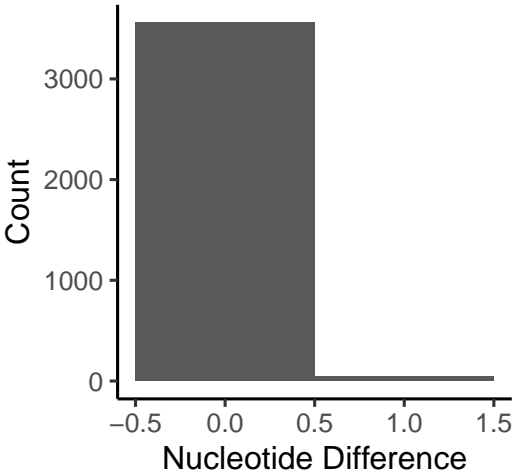
TRBV7-3*ap01

1624 sequences assigned
1614 (99.4%) exact matches, in which:
1600 unique CDR3
13 unique J



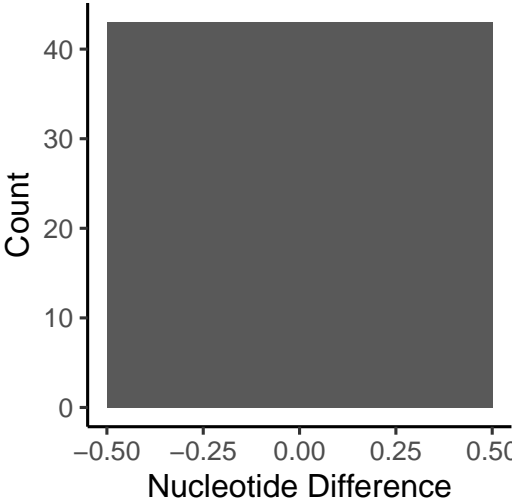
TRBV6-56*ap01

3601 sequences assigned
3558 (98.8%) exact matches, in which:
3487 unique CDR3
13 unique J



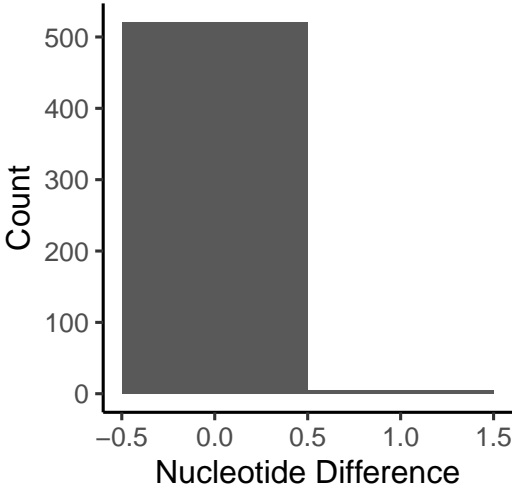
TRBV7-1*ap01_G291C_T

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



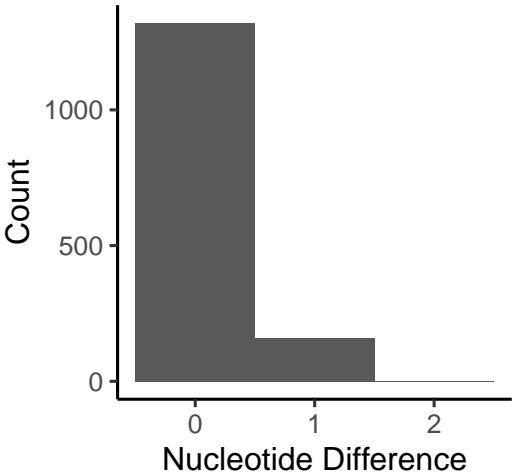
TRBV7-3*ap02

526 sequences assigned
521 (99%) exact matches, in which:
515 unique CDR3
13 unique J



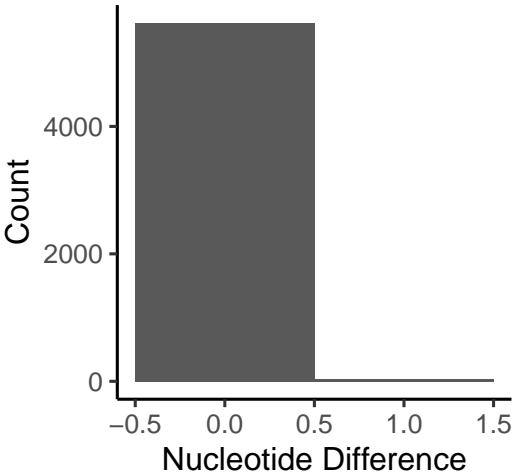
TRBV6-56*ap02

1481 sequences assigned
1320 (89.1%) exact matches, in which:
1279 unique CDR3
13 unique J



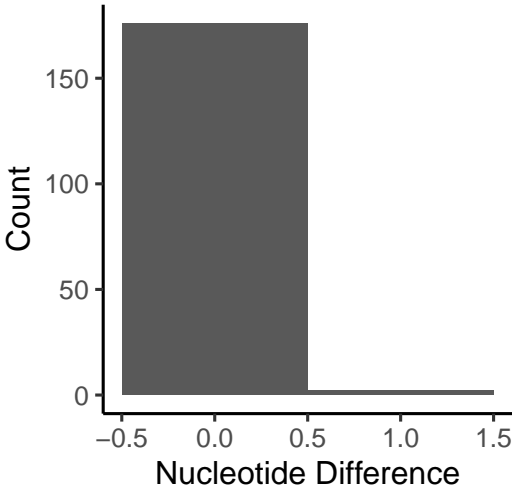
TRBV7-2*ap01

5659 sequences assigned
5622 (99.3%) exact matches, in which:
5573 unique CDR3
13 unique J



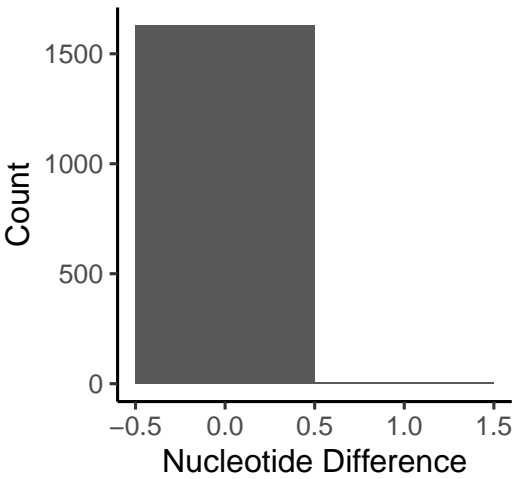
TRBV7-4*ap01

178 sequences assigned
176 (98.9%) exact matches, in which:
173 unique CDR3
13 unique J



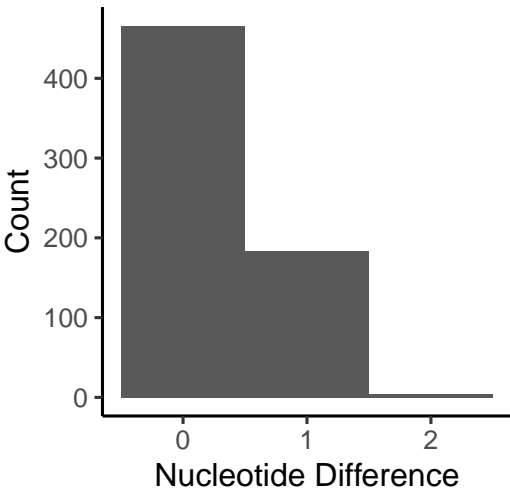
TRBV7-6*ap01

1637 sequences assigned
1629 (99.5%) exact matches, in which:
1596 unique CDR3
13 unique J



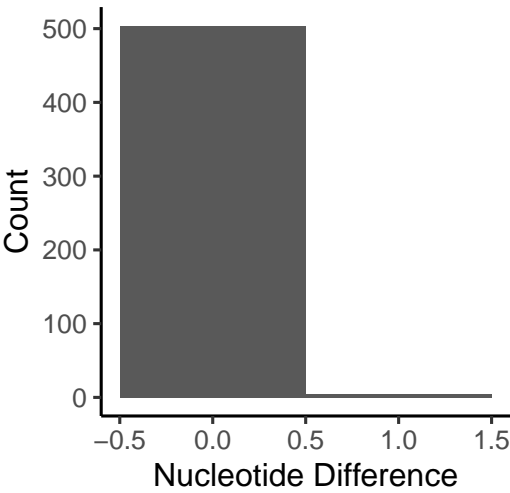
TRBV7-8*ap03

654 sequences assigned
466 (71.3%) exact matches, in which:
459 unique CDR3
13 unique J



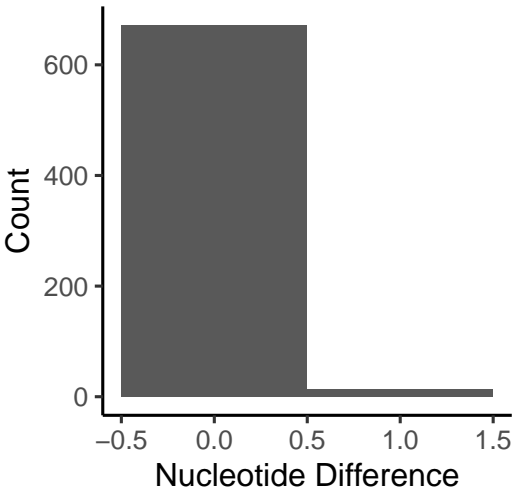
TRBV29-1*ap02

509 sequences assigned
504 (99%) exact matches, in which:
495 unique CDR3
13 unique J



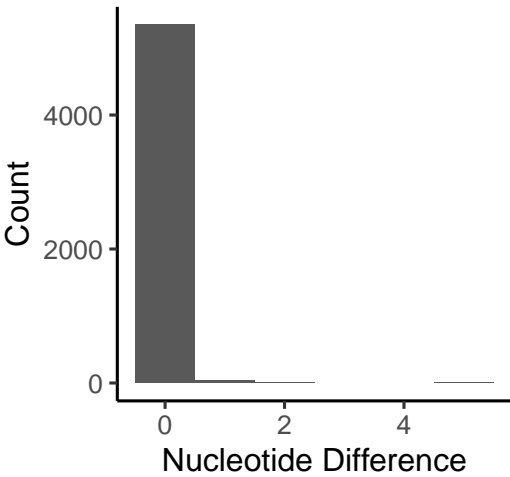
TRBV7-7*ap01

685 sequences assigned
672 (98.1%) exact matches, in which:
664 unique CDR3
13 unique J



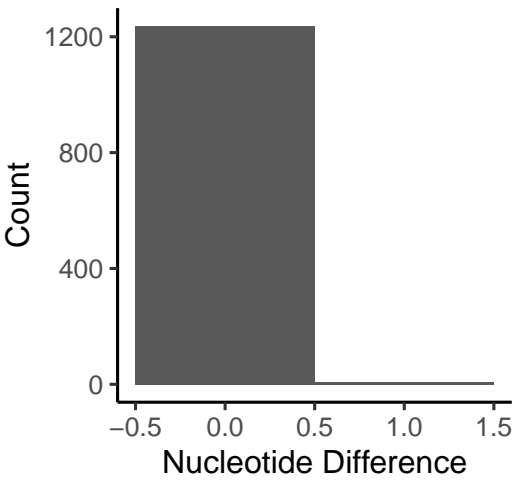
TRBV7-9*ap01

5385 sequences assigned
5348 (99.3%) exact matches, in which:
5288 unique CDR3
13 unique J



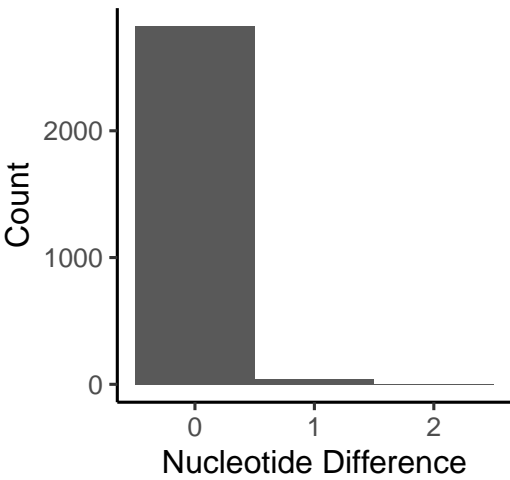
TRBV7-8*ap01

1245 sequences assigned
1237 (99.4%) exact matches, in which:
1221 unique CDR3
13 unique J

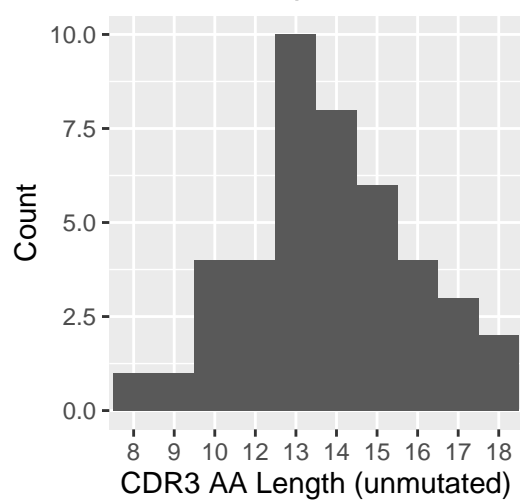


TRBV29-1*ap01

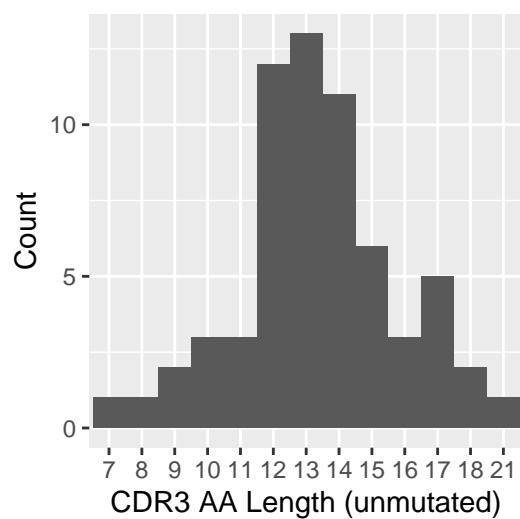
2871 sequences assigned
2826 (98.4%) exact matches, in which:
2749 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]