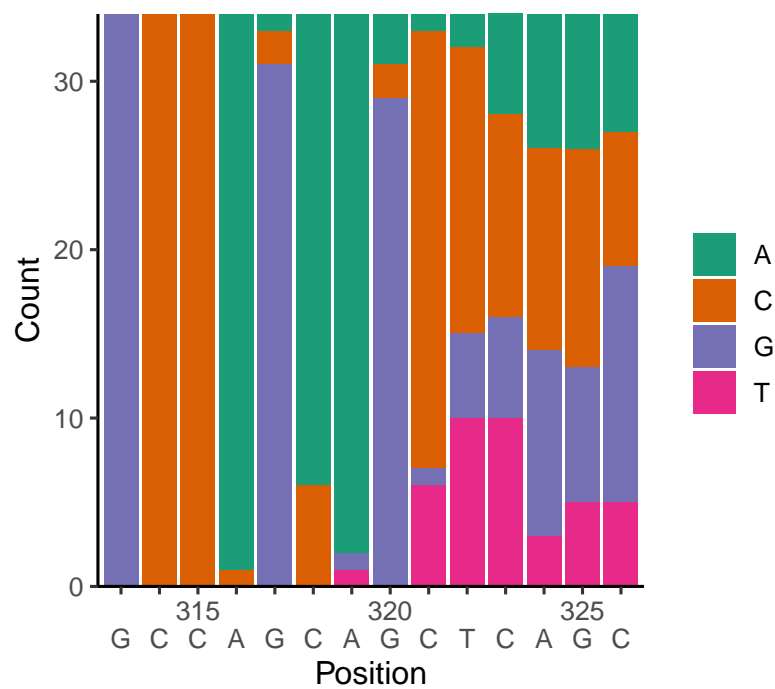
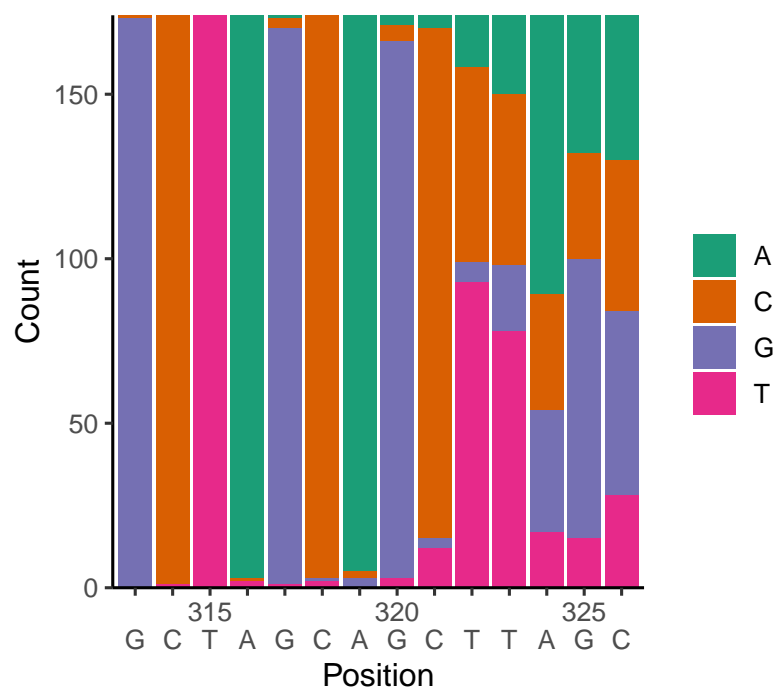


Gene TRBV7-1*ap01_T296C



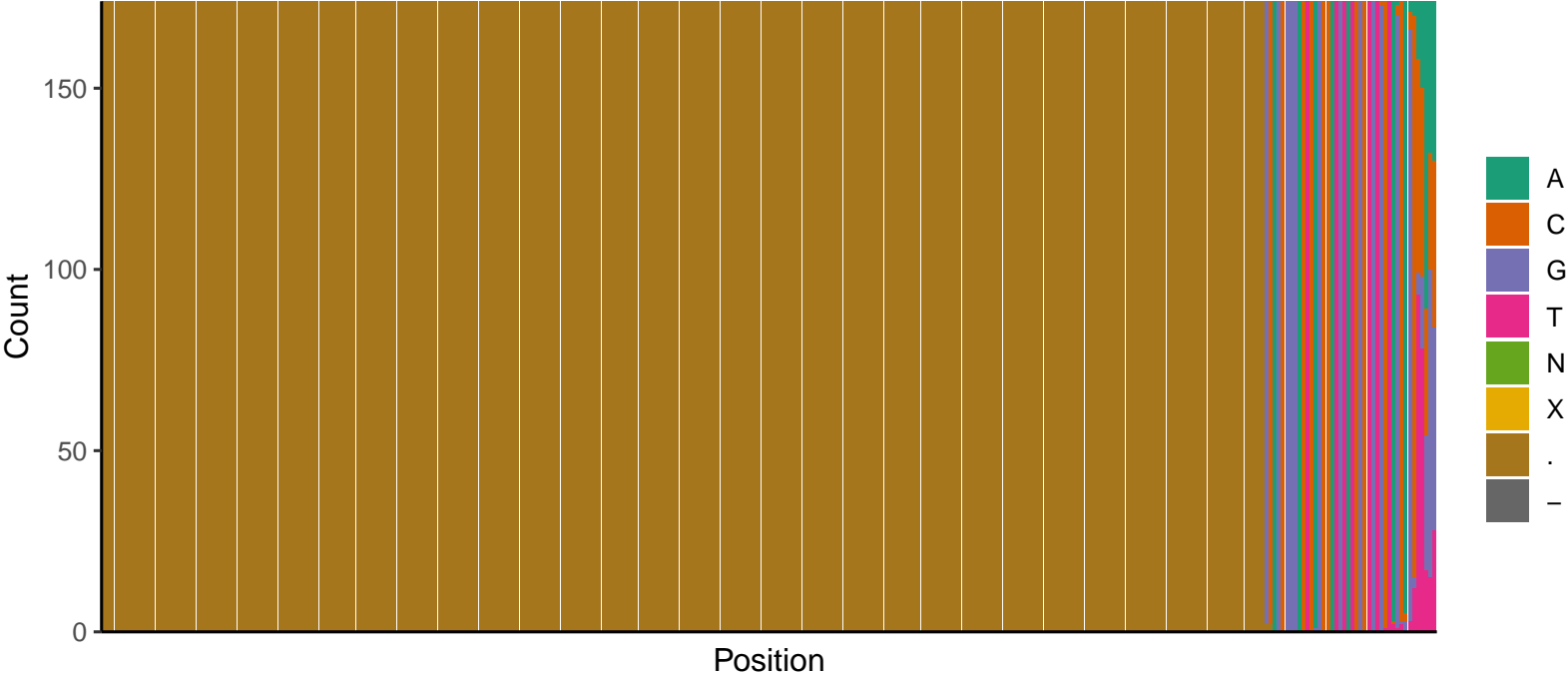
Gene TRBV7-7*ap01_C315T



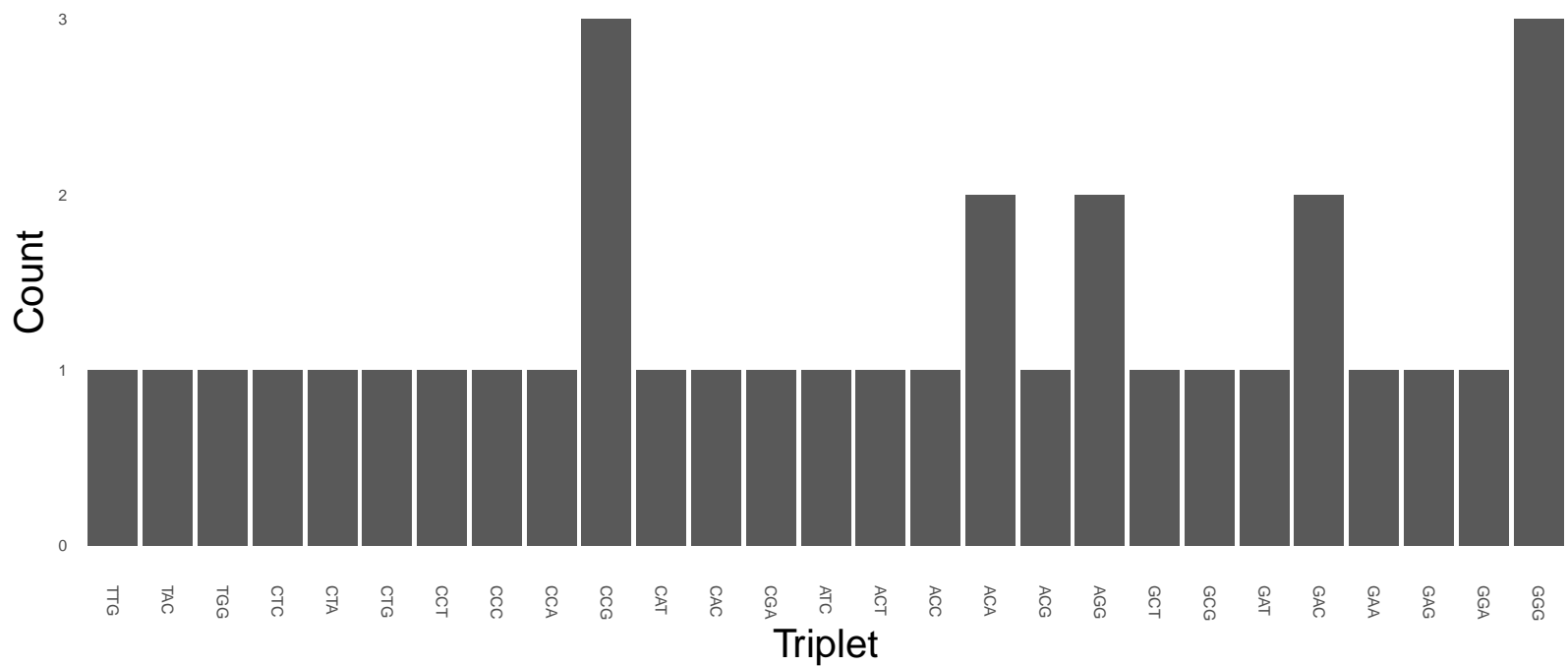
Gene TRBV7-1*ap01_T296C



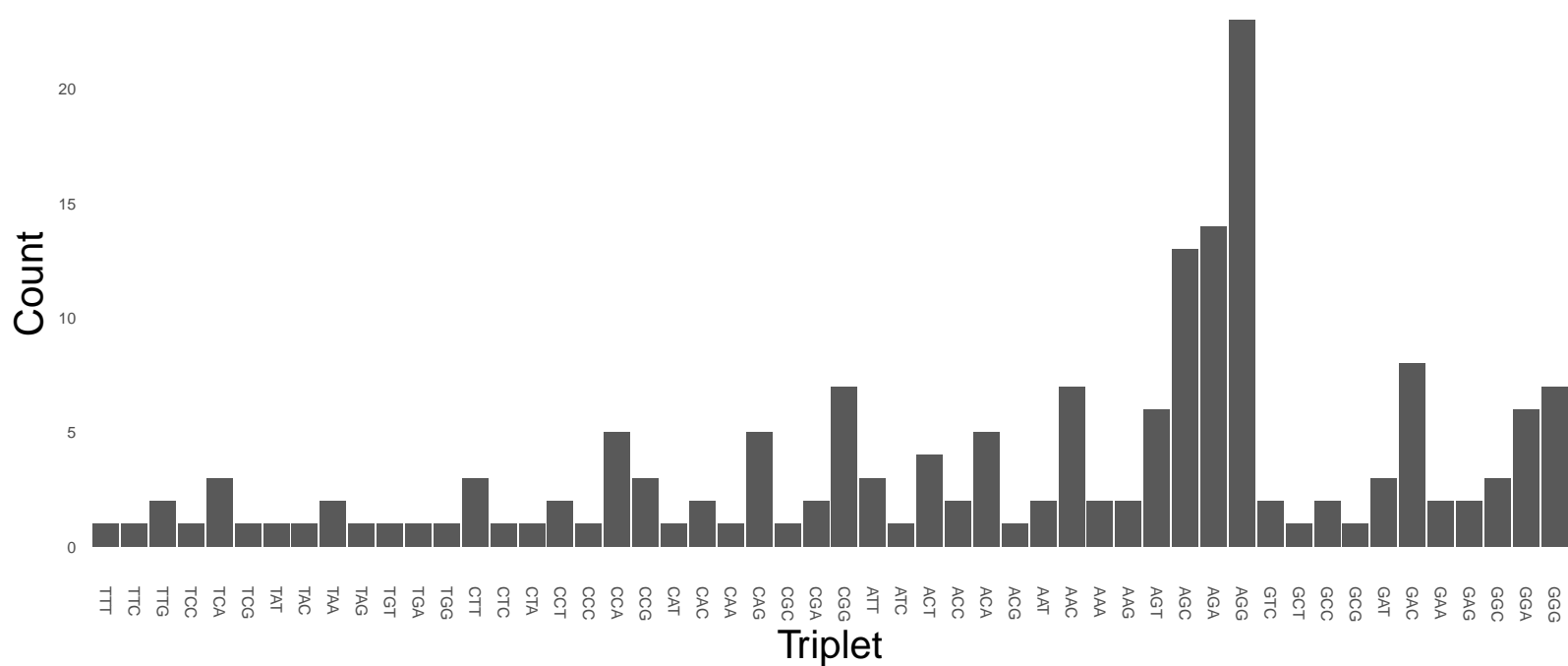
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

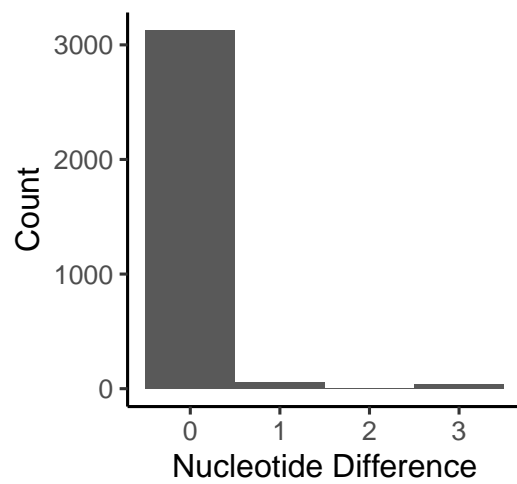


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



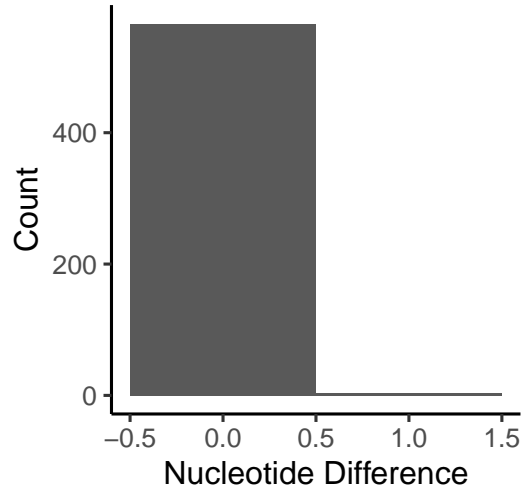
TRBV20-1*ap01

3234 sequences assigned
3126 (96.7%) exact matches, in which:
3058 unique CDR3
13 unique J



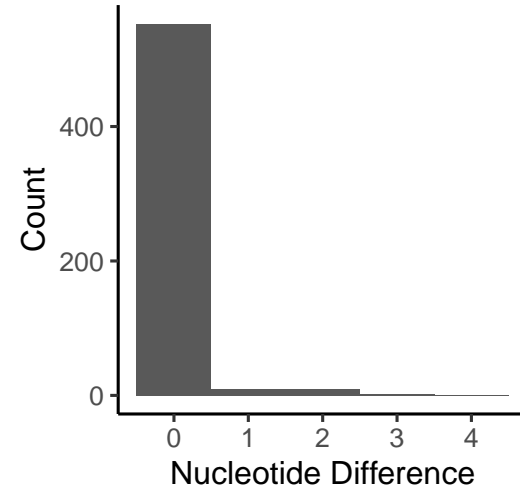
TRBV10-2*ap01

570 sequences assigned
566 (99.3%) exact matches, in which:
564 unique CDR3
13 unique J



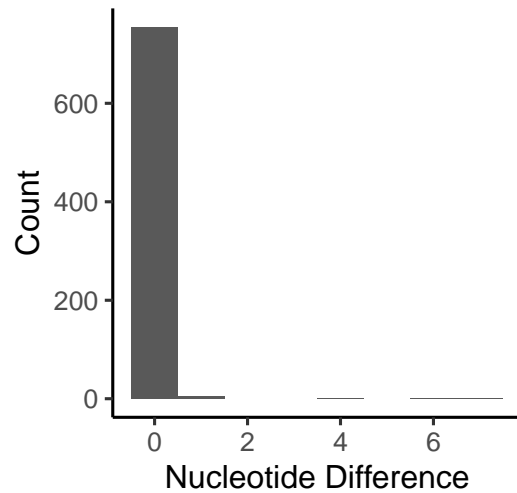
TRBV13*ap01

576 sequences assigned
553 (96%) exact matches, in which:
542 unique CDR3
13 unique J



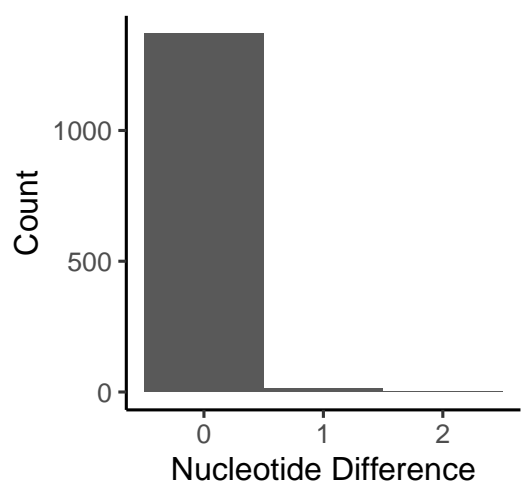
TRBV10-1*ap01

764 sequences assigned
755 (98.8%) exact matches, in which:
749 unique CDR3
13 unique J



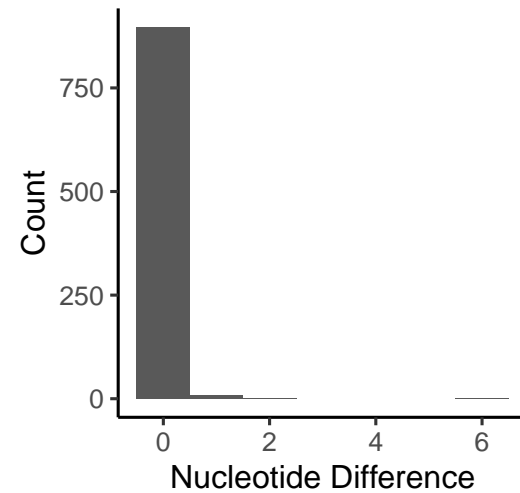
TRBV10-3*ap01

1384 sequences assigned
1370 (99%) exact matches, in which:
1346 unique CDR3
13 unique J



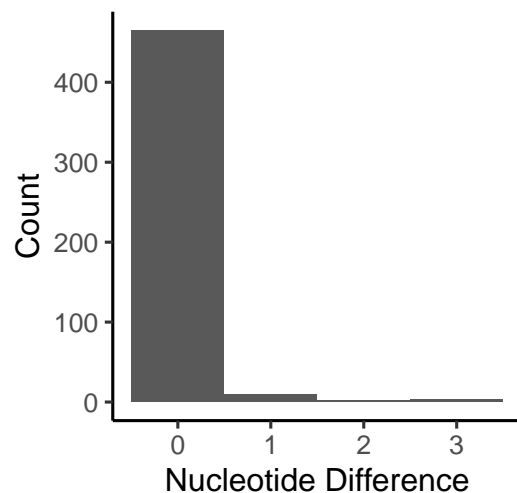
TRBV14*ap01

908 sequences assigned
897 (98.8%) exact matches, in which:
882 unique CDR3
13 unique J



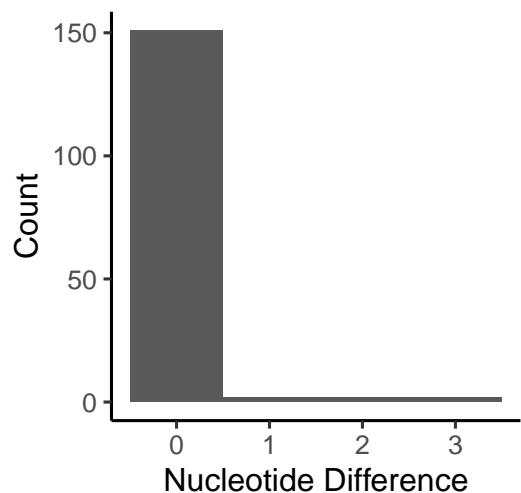
TRBV20-1*ap02

479 sequences assigned
465 (97.1%) exact matches, in which:
458 unique CDR3
13 unique J



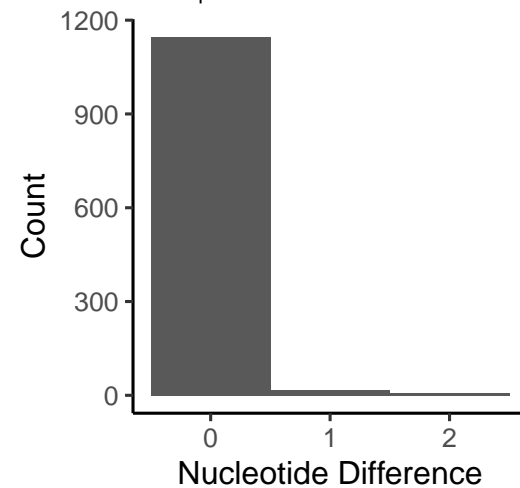
TRBV1*ap01

157 sequences assigned
151 (96.2%) exact matches, in which:
149 unique CDR3
13 unique J



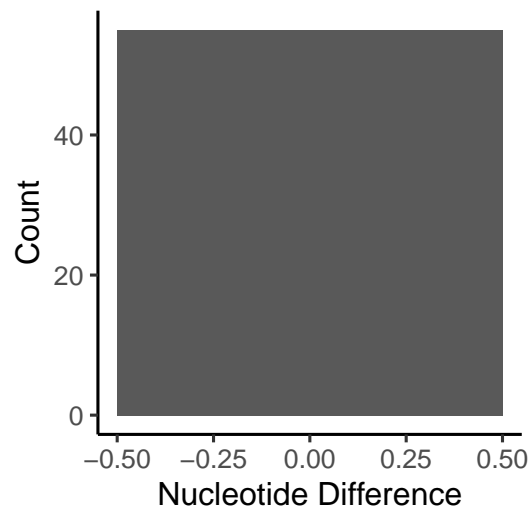
TRBV15*ap02

1169 sequences assigned
1146 (98%) exact matches, in which:
1127 unique CDR3
13 unique J



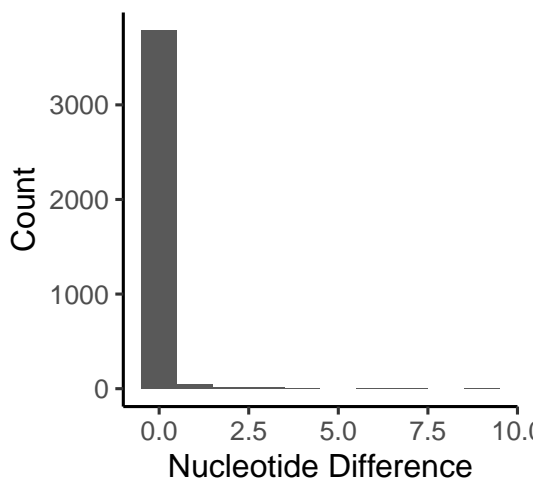
TRBV16*ap01

55 sequences assigned
55 (100%) exact matches, in which:
55 unique CDR3
11 unique J



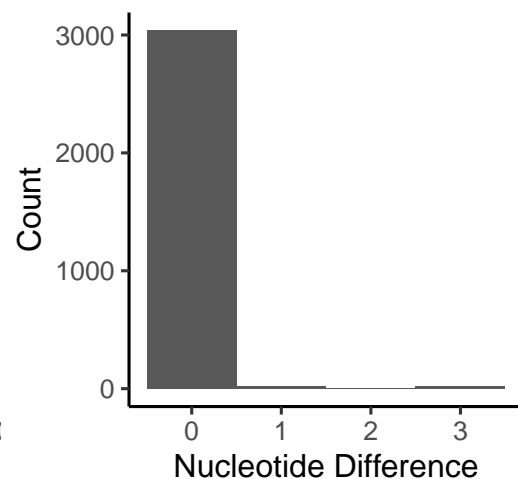
TRBV19*ap01

3871 sequences assigned
3787 (97.8%) exact matches, in which:
3737 unique CDR3
13 unique J



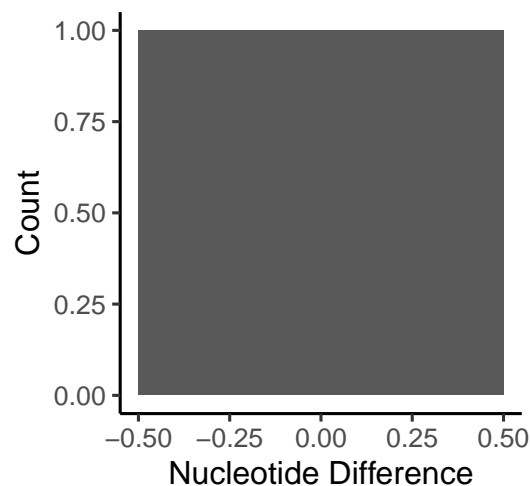
TRBV28*ap01

3089 sequences assigned
3039 (98.4%) exact matches, in which:
2984 unique CDR3
13 unique J



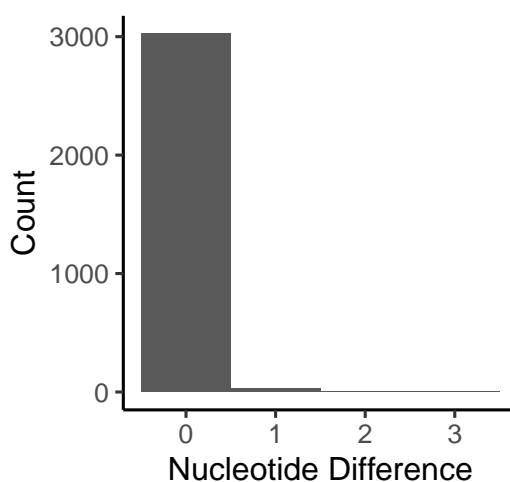
TRBV17*ap01

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



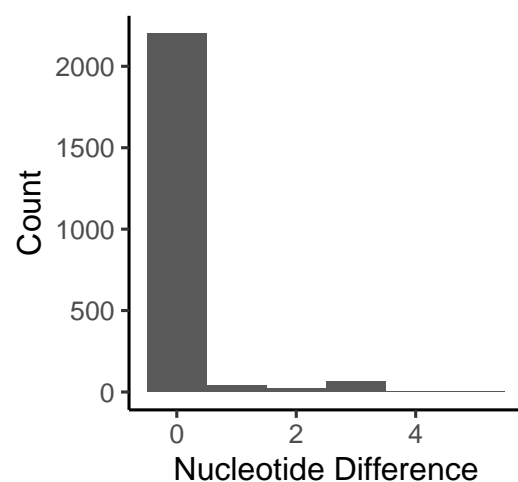
TRBV2*ap01

3066 sequences assigned
3025 (98.7%) exact matches, in which:
2980 unique CDR3
13 unique J



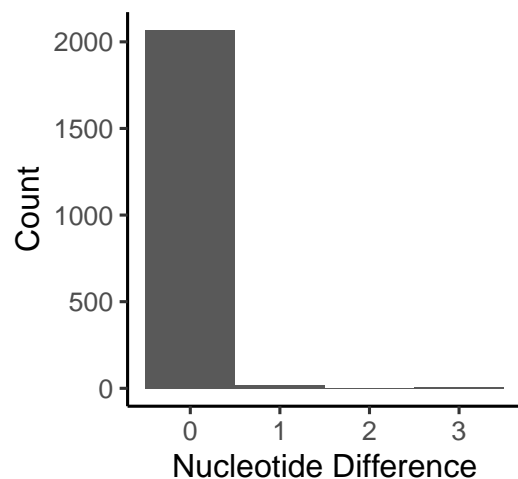
TRBV30*ap01

2332 sequences assigned
2200 (94.3%) exact matches, in which:
2163 unique CDR3
13 unique J



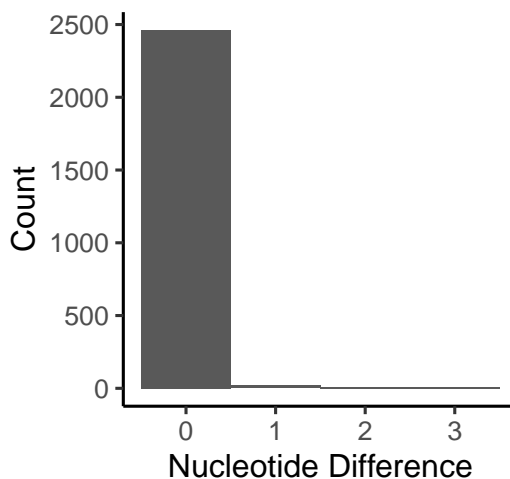
TRBV18*ap01

2100 sequences assigned
2068 (98.5%) exact matches, in which:
2025 unique CDR3
13 unique J



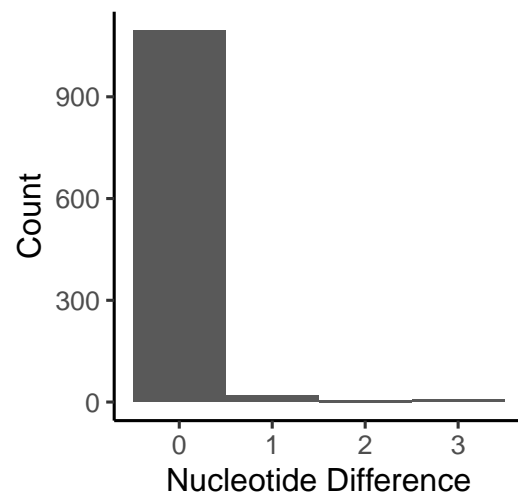
TRBV27*ap01

2498 sequences assigned
2462 (98.6%) exact matches, in which:
2420 unique CDR3
13 unique J



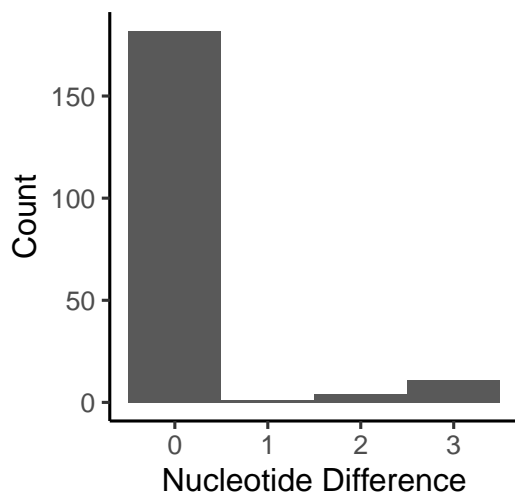
TRBV9*ap01

1127 sequences assigned
1096 (97.2%) exact matches, in which:
1081 unique CDR3
13 unique J



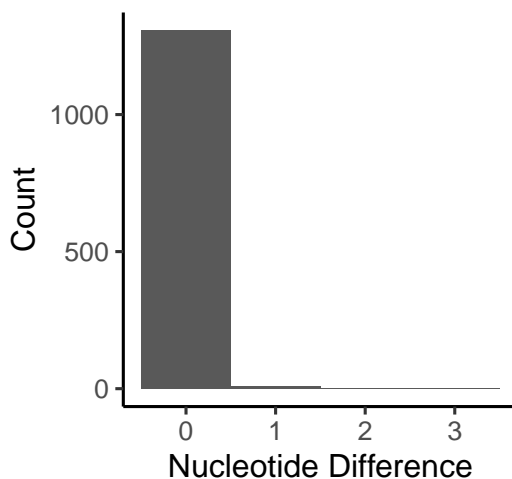
TRBV11-1*ap01

198 sequences assigned
182 (91.9%) exact matches, in which:
179 unique CDR3
13 unique J



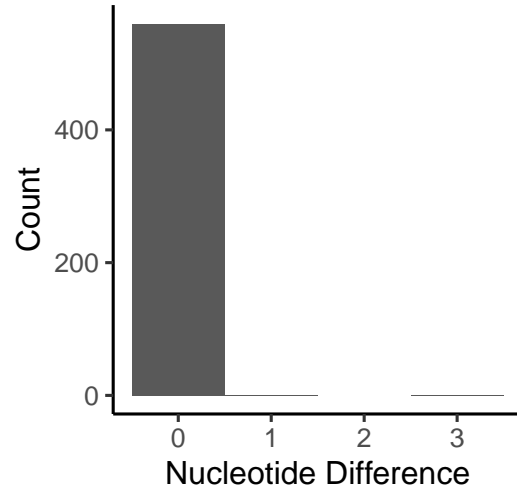
TRBV11-3*ap01

1317 sequences assigned
1307 (99.2%) exact matches, in which:
1287 unique CDR3
13 unique J



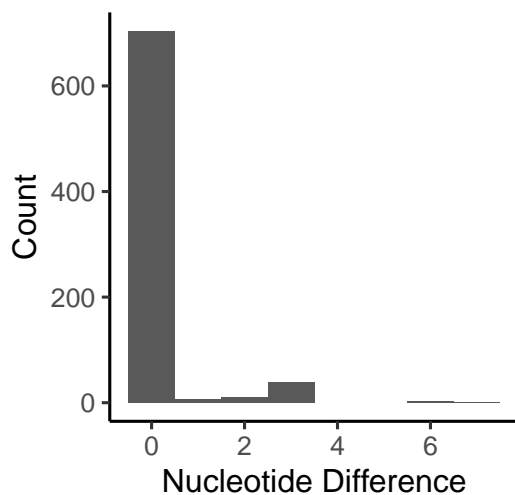
TRBV12-5*ap01

562 sequences assigned
560 (99.6%) exact matches, in which:
554 unique CDR3
13 unique J



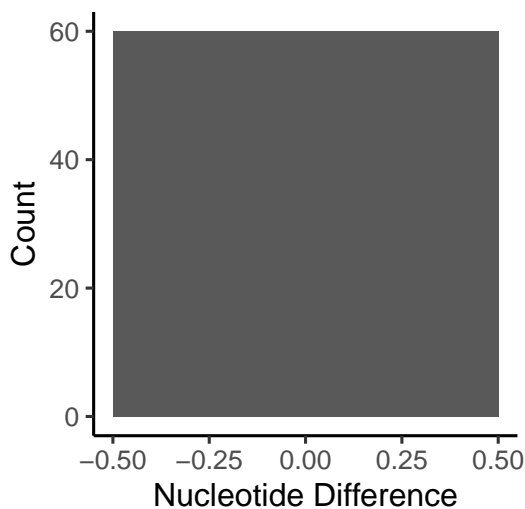
TRBV21-1*ap01

764 sequences assigned
704 (92.1%) exact matches, in which:
699 unique CDR3
13 unique J



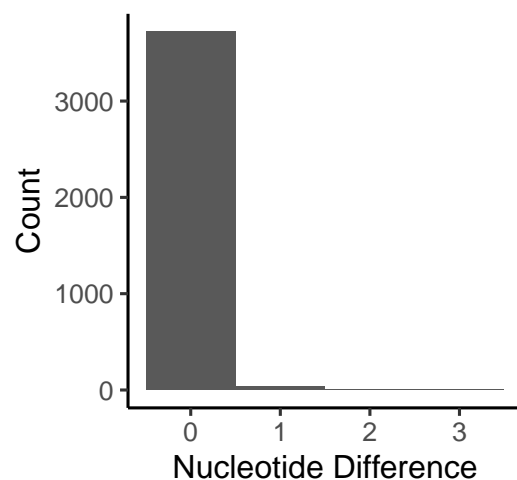
TRBV12-1*ap01

60 sequences assigned
60 (100%) exact matches, in which:
60 unique CDR3
12 unique J



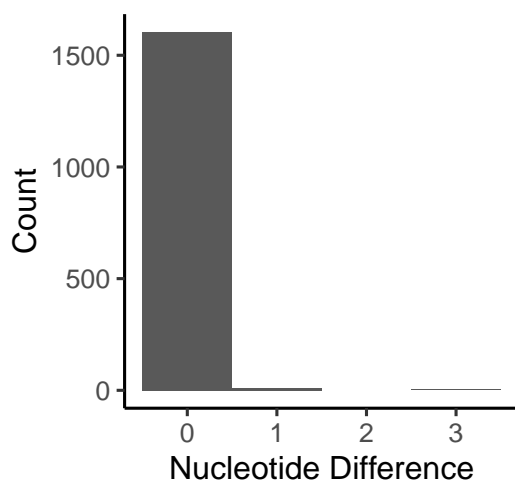
TRBV12-34*ap01

3769 sequences assigned
3720 (98.7%) exact matches, in which:
3663 unique CDR3
13 unique J



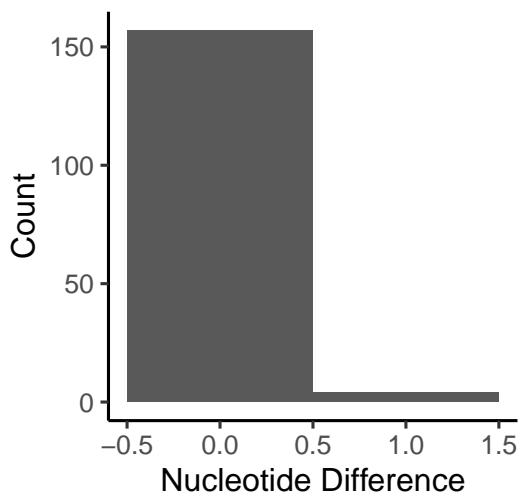
TRBV11-2*ap01

1618 sequences assigned
1604 (99.1%) exact matches, in which:
1582 unique CDR3
13 unique J



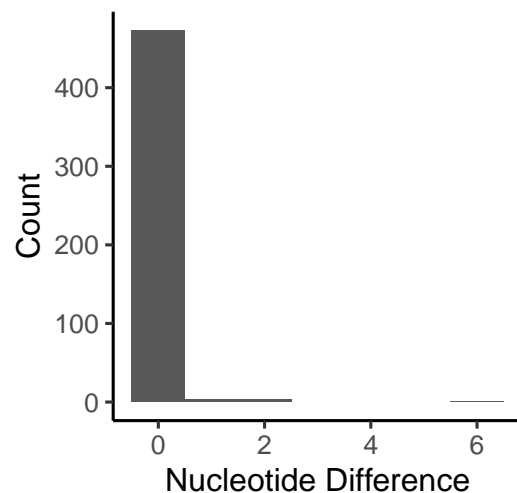
TRBV12-2*ap01

161 sequences assigned
157 (97.5%) exact matches, in which:
156 unique CDR3
13 unique J



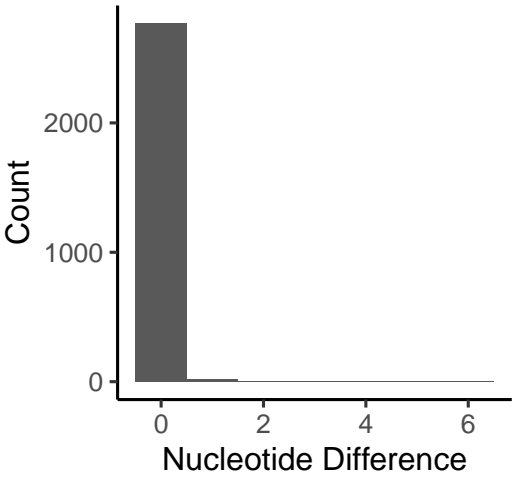
TRBV23-1*ap01

480 sequences assigned
473 (98.5%) exact matches, in which:
470 unique CDR3
13 unique J



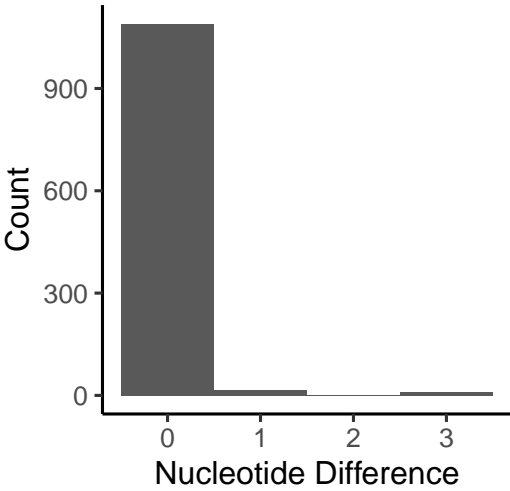
TRBV3-12*ap01

2795 sequences assigned
2769 (99.1%) exact matches, in which:
2731 unique CDR3
13 unique J



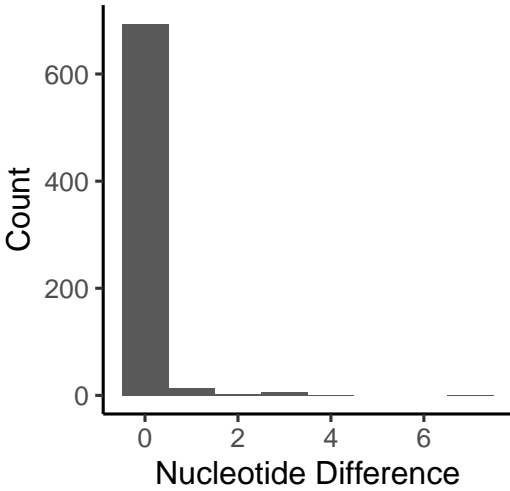
TRBV4-2*ap01

1115 sequences assigned
1090 (97.8%) exact matches, in which:
1075 unique CDR3
13 unique J



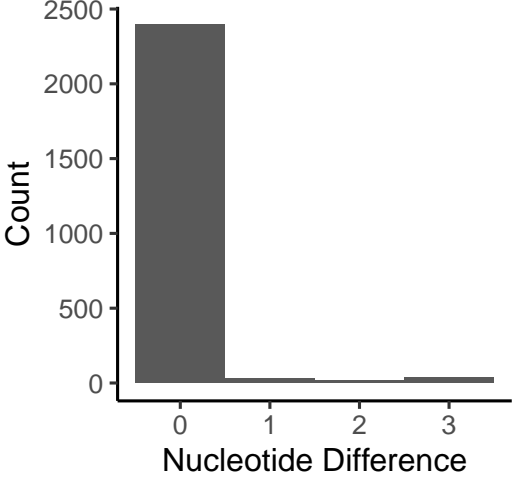
TRBV25-1*ap01

718 sequences assigned
694 (96.7%) exact matches, in which:
676 unique CDR3
13 unique J



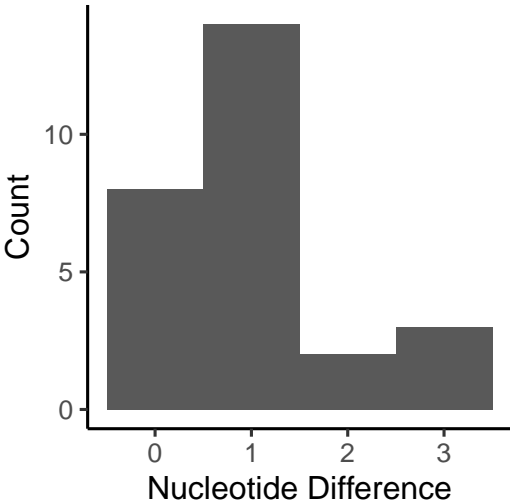
TRBV4-1*ap01

2478 sequences assigned
2395 (96.7%) exact matches, in which:
2342 unique CDR3
13 unique J



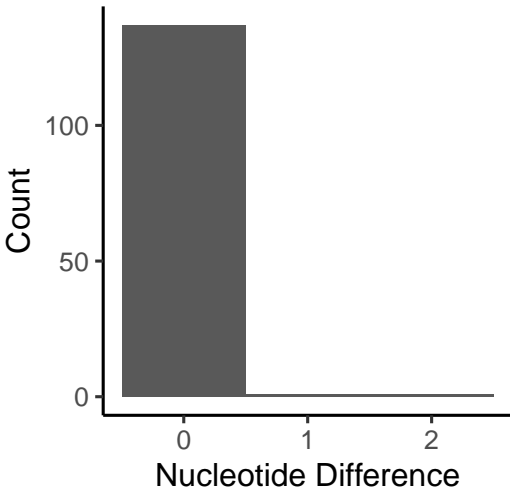
TRBV4-3*ap01

27 sequences assigned
8 (29.6%) exact matches, in which:
8 unique CDR3
6 unique J



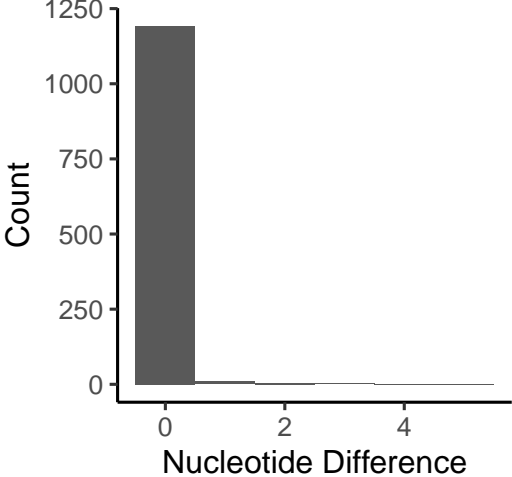
TRBV5-3*ap01

139 sequences assigned
137 (98.6%) exact matches, in which:
132 unique CDR3
13 unique J



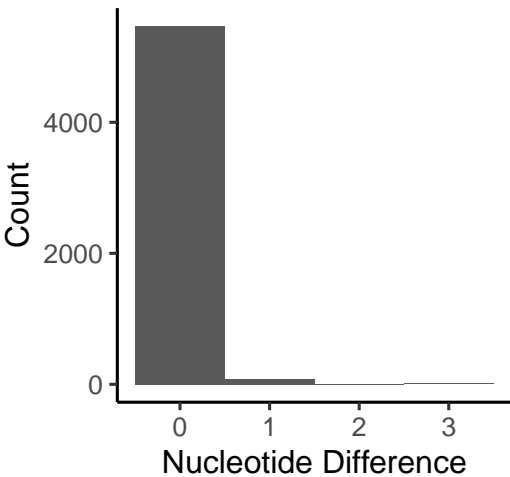
TRBV24-1*ap01

1211 sequences assigned
1192 (98.4%) exact matches, in which:
1173 unique CDR3
13 unique J



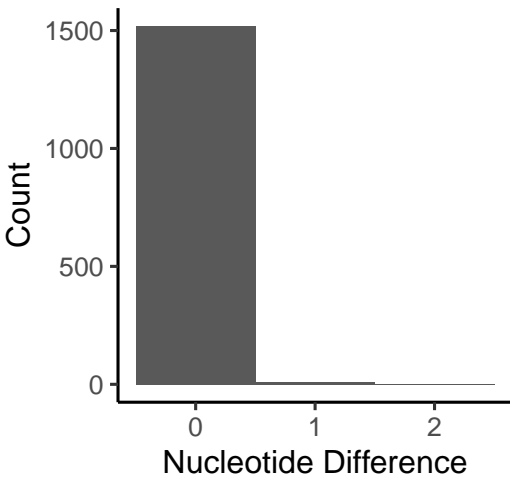
TRBV5-1*ap01

5559 sequences assigned
5470 (98.4%) exact matches, in which:
5347 unique CDR3
13 unique J



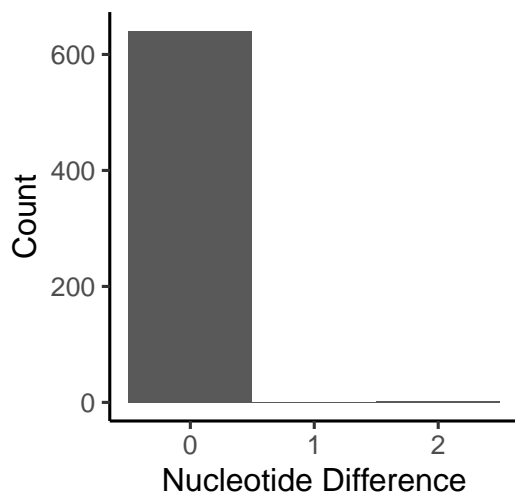
TRBV5-4*ap01

1531 sequences assigned
1519 (99.2%) exact matches, in which:
1499 unique CDR3
13 unique J



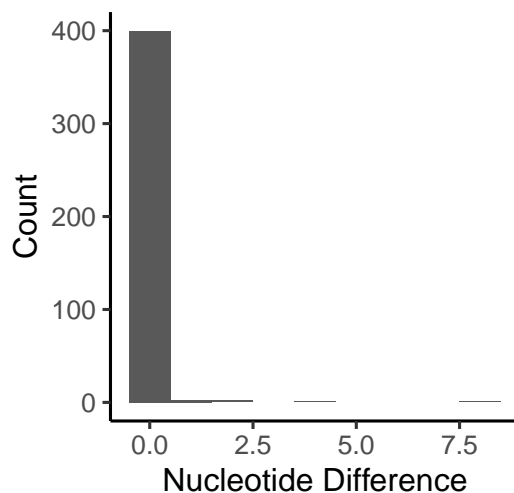
TRBV5-5*ap01

644 sequences assigned
641 (99.5%) exact matches, in which:
634 unique CDR3
13 unique J



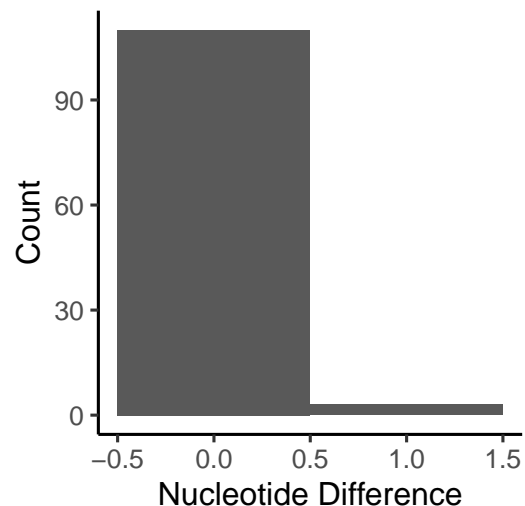
TRBV5-8*ap01

407 sequences assigned
400 (98.3%) exact matches, in which:
396 unique CDR3
13 unique J



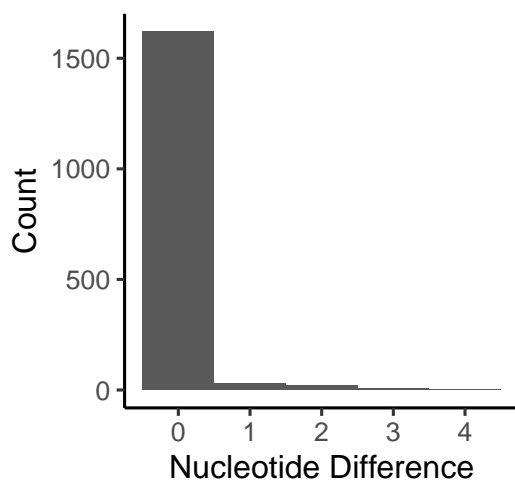
TRBV6-7*ap01

113 sequences assigned
110 (97.3%) exact matches, in which:
107 unique CDR3
11 unique J



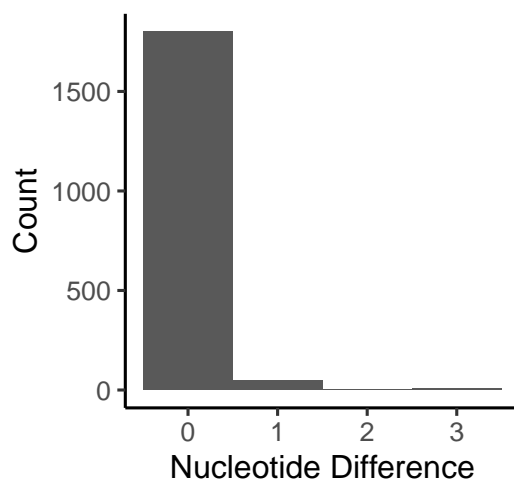
TRBV5-6*ap01

1681 sequences assigned
1620 (96.4%) exact matches, in which:
1582 unique CDR3
13 unique J



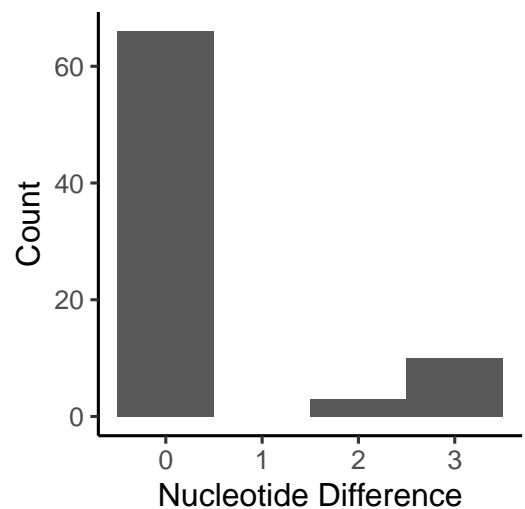
TRBV6-1*ap01

1858 sequences assigned
1800 (96.9%) exact matches, in which:
1765 unique CDR3
13 unique J



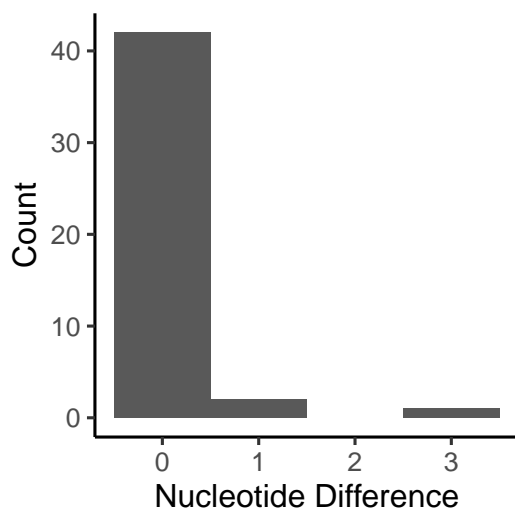
TRBV6-8*ap01

79 sequences assigned
66 (83.5%) exact matches, in which:
64 unique CDR3
13 unique J



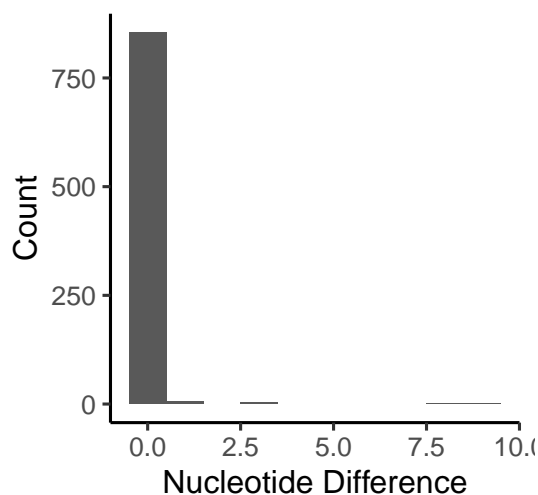
TRBV5-7*ap01

45 sequences assigned
42 (93.3%) exact matches, in which:
41 unique CDR3
13 unique J



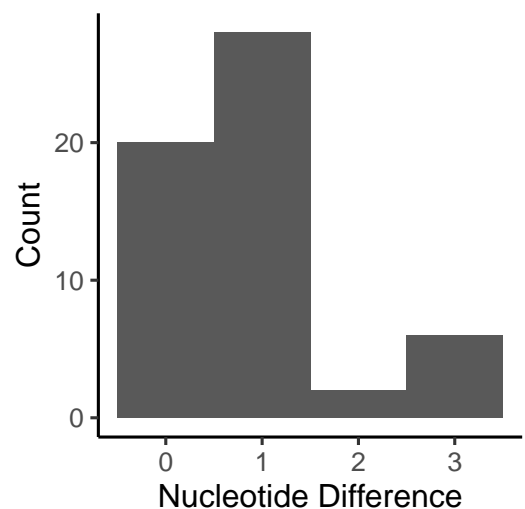
TRBV6-4*ap01

866 sequences assigned
855 (98.7%) exact matches, in which:
845 unique CDR3
14 unique J



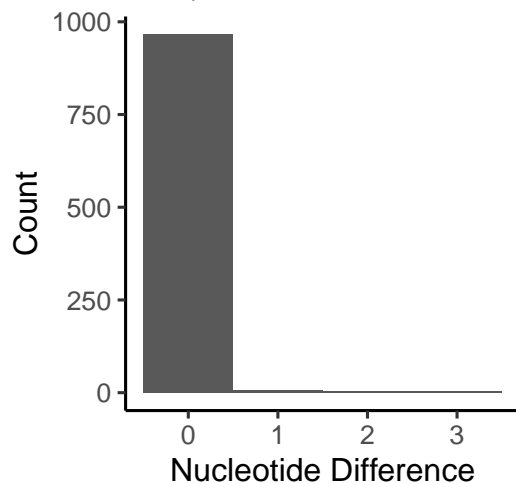
TRBV6-9*ap01

56 sequences assigned
20 (35.7%) exact matches, in which:
19 unique CDR3
7 unique J



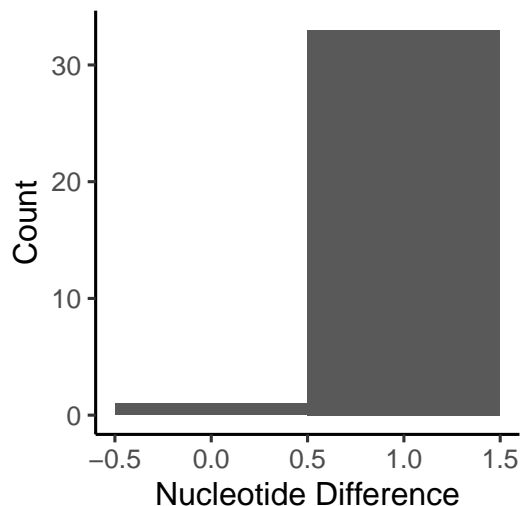
TRBV6-23*ap01

979 sequences assigned
966 (98.7%) exact matches, in which:
938 unique CDR3
13 unique J



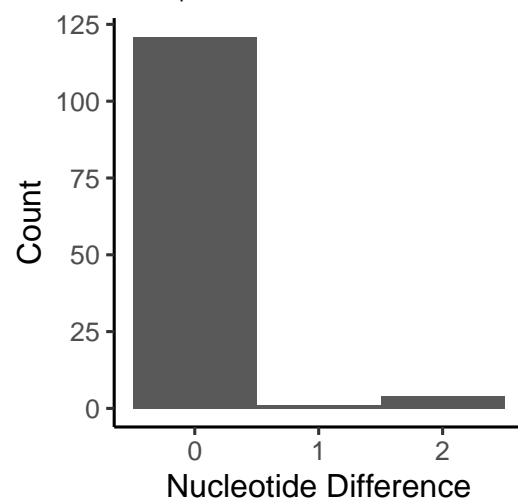
TRBV7-1*ap01_T296C

34 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



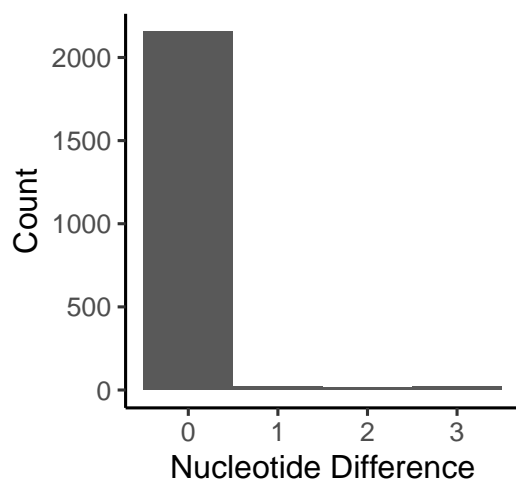
TRBV7-4*ap01

126 sequences assigned
121 (96%) exact matches, in which:
118 unique CDR3
13 unique J



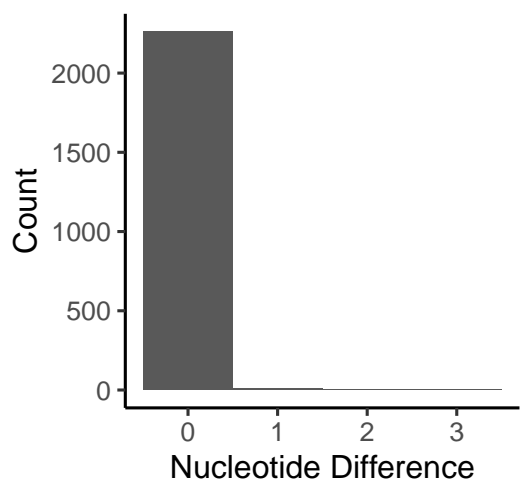
TRBV6-56*ap01

2211 sequences assigned
2155 (97.5%) exact matches, in which:
2112 unique CDR3
13 unique J



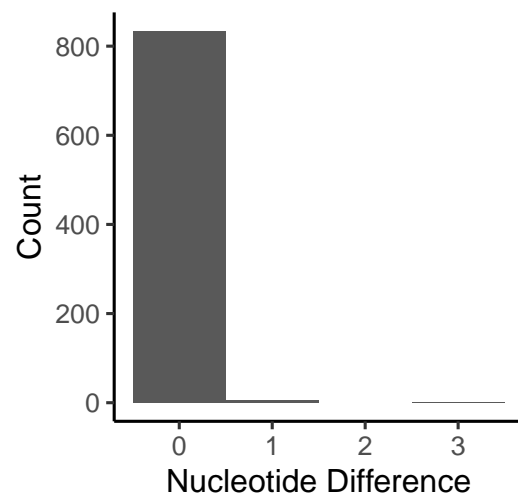
TRBV7-2*ap01

2272 sequences assigned
2261 (99.5%) exact matches, in which:
2227 unique CDR3
13 unique J



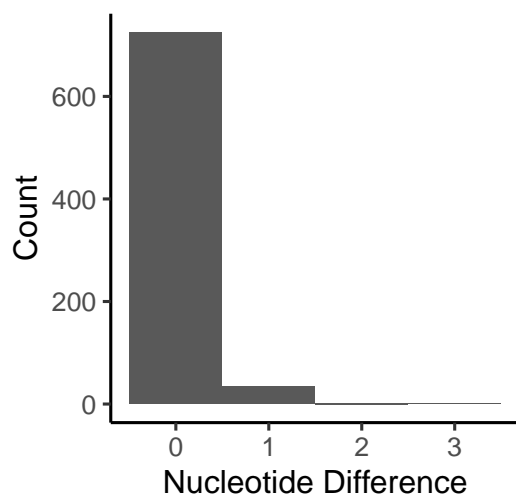
TRBV7-6*ap01

841 sequences assigned
834 (99.2%) exact matches, in which:
822 unique CDR3
13 unique J



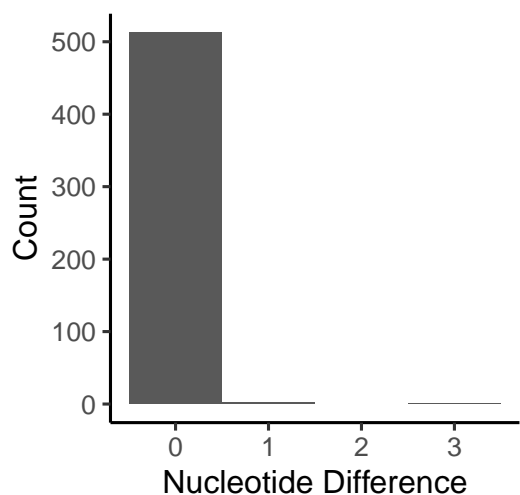
TRBV6-56*ap02

763 sequences assigned
725 (95%) exact matches, in which:
710 unique CDR3
13 unique J



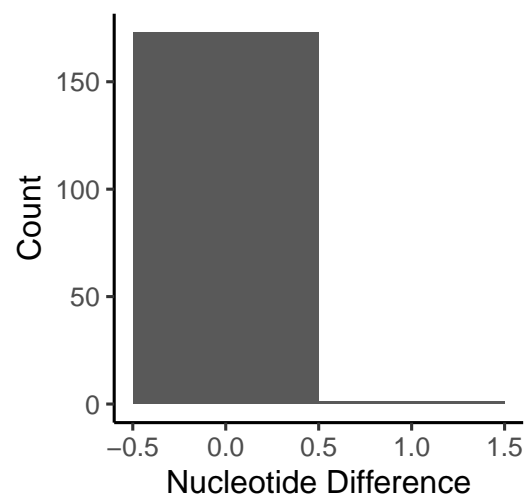
TRBV7-3*ap03

516 sequences assigned
513 (99.4%) exact matches, in which:
510 unique CDR3
13 unique J



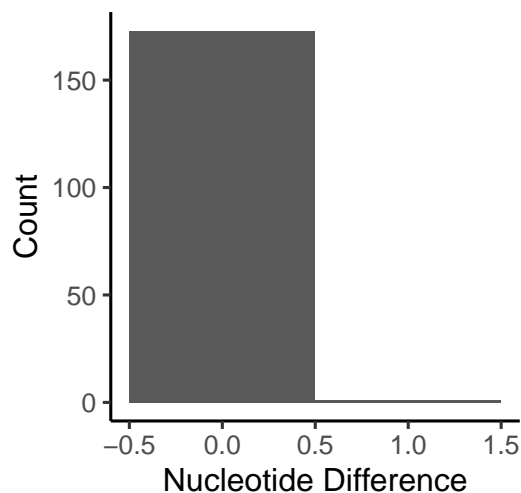
TRBV7-7*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
167 unique CDR3
13 unique J



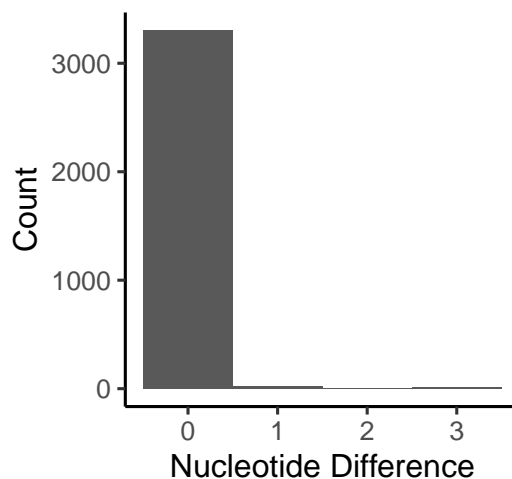
TRBV7-7*ap01_C315T

174 sequences assigned
173 (99.4%) exact matches, in which:
171 unique CDR3
13 unique J



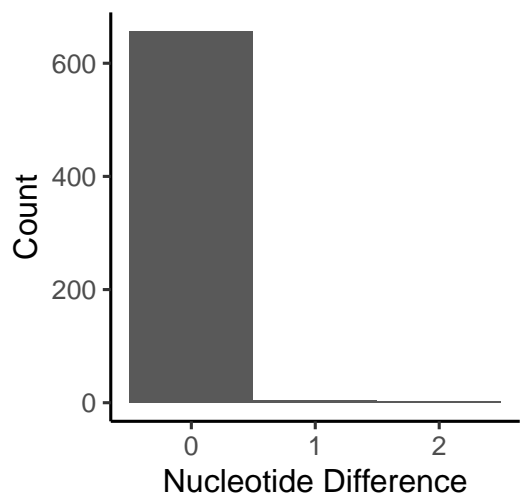
TRBV7-9*ap01

3342 sequences assigned
3303 (98.8%) exact matches, in which:
3238 unique CDR3
13 unique J



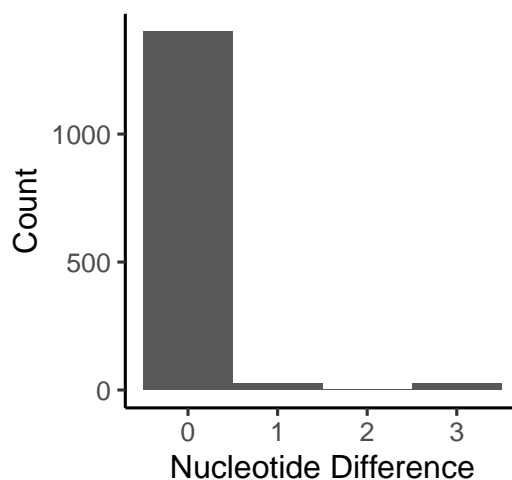
TRBV7-8*ap01

663 sequences assigned
657 (99.1%) exact matches, in which:
645 unique CDR3
13 unique J



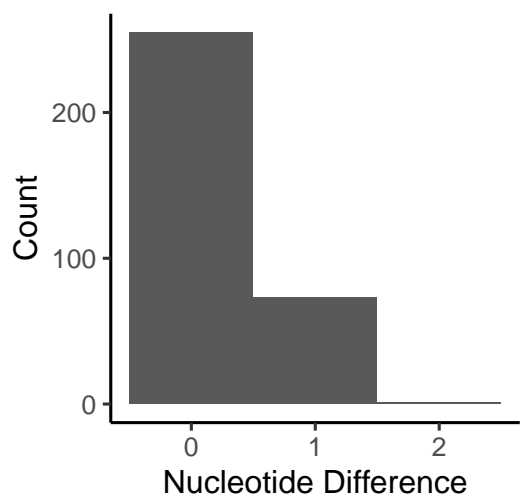
TRBV29-1*ap01

1453 sequences assigned
1400 (96.4%) exact matches, in which:
1358 unique CDR3
13 unique J



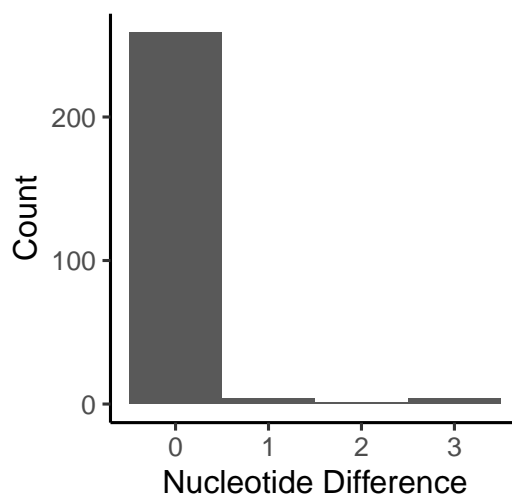
TRBV7-8*ap03

329 sequences assigned
255 (77.5%) exact matches, in which:
251 unique CDR3
13 unique J

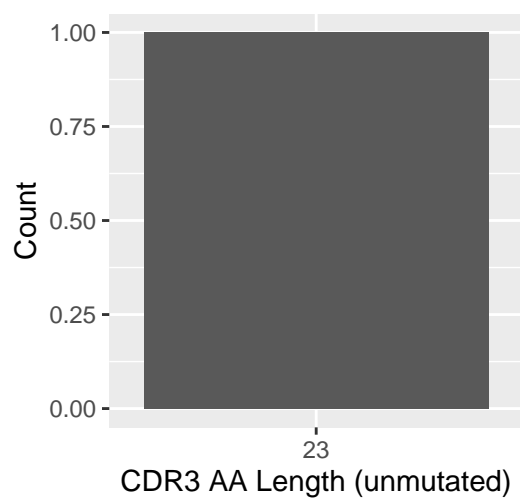


TRBV29-1*ap02

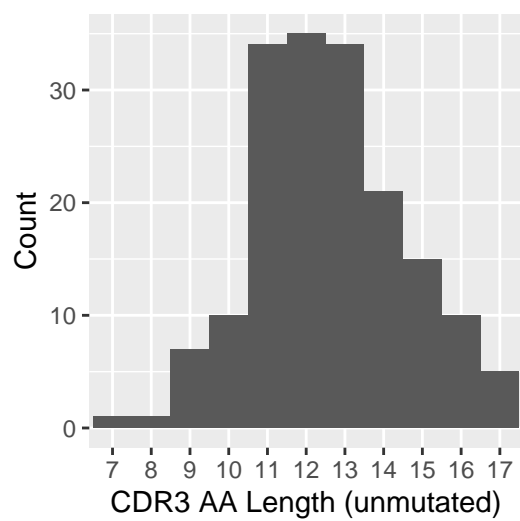
268 sequences assigned
259 (96.6%) exact matches, in which:
252 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]