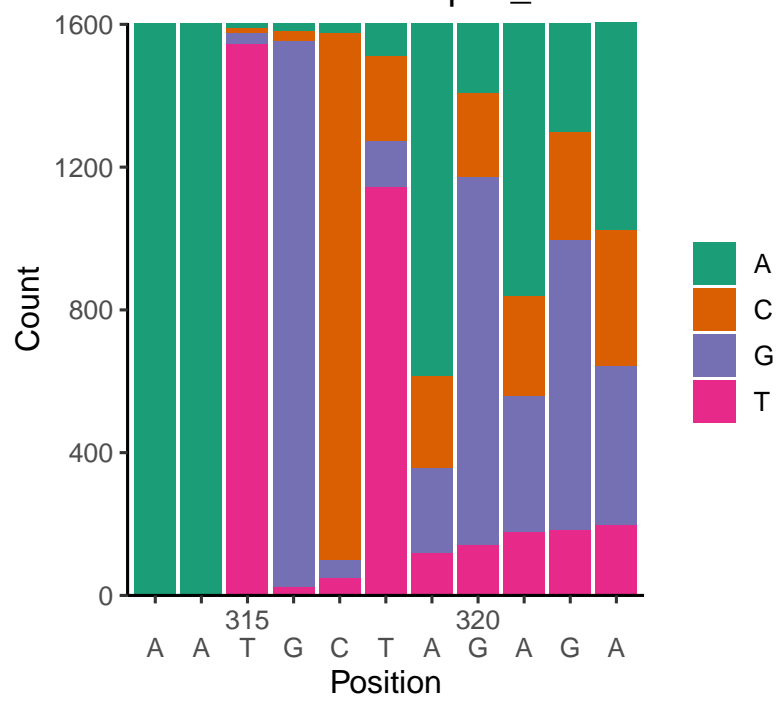
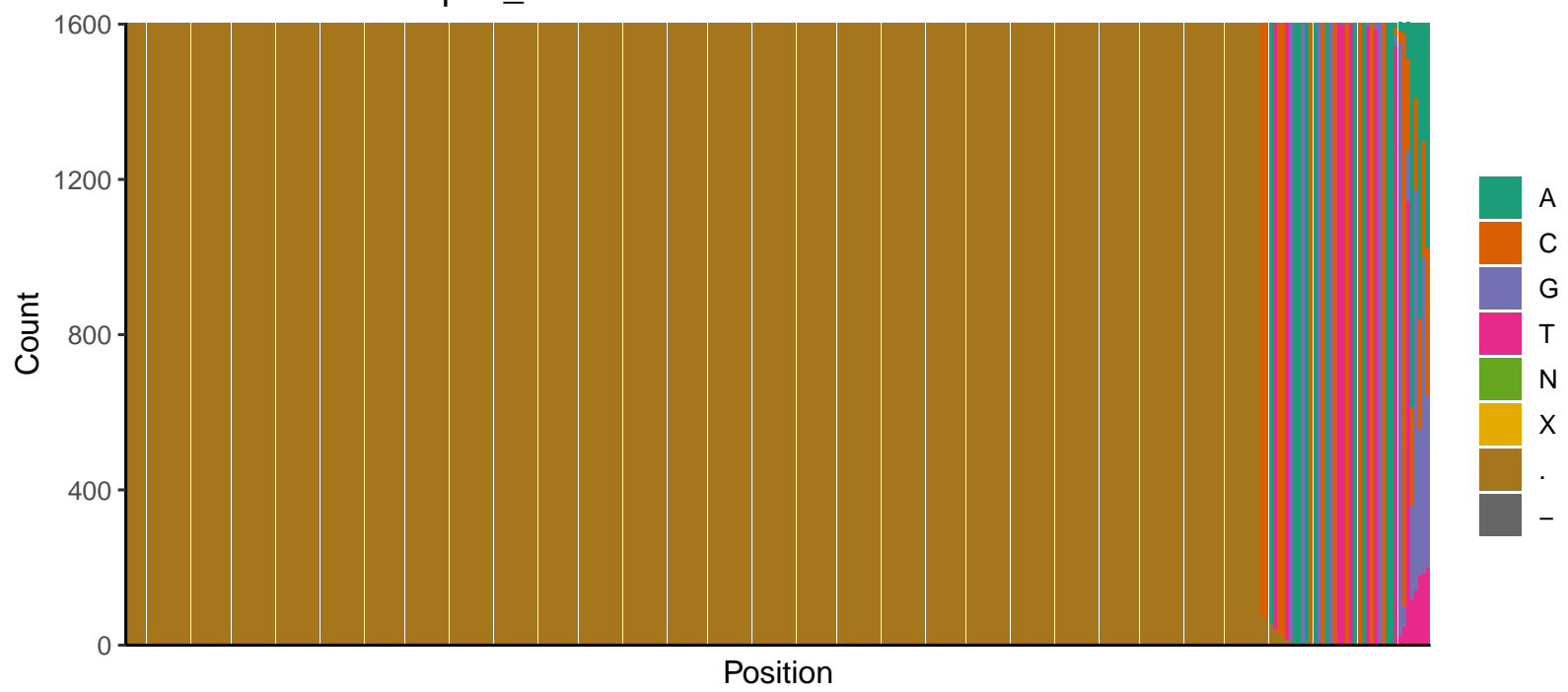


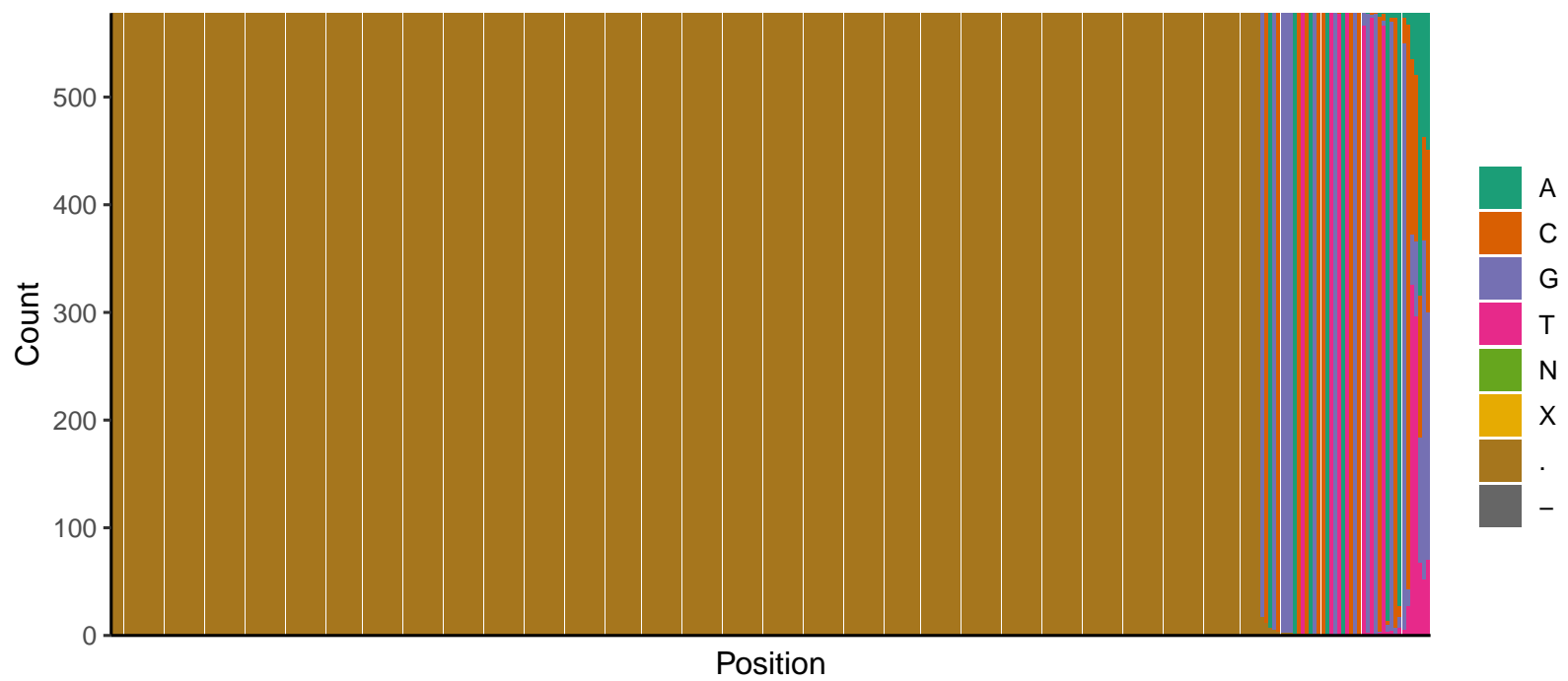
Gene TRBV20-1*ap01_G314A



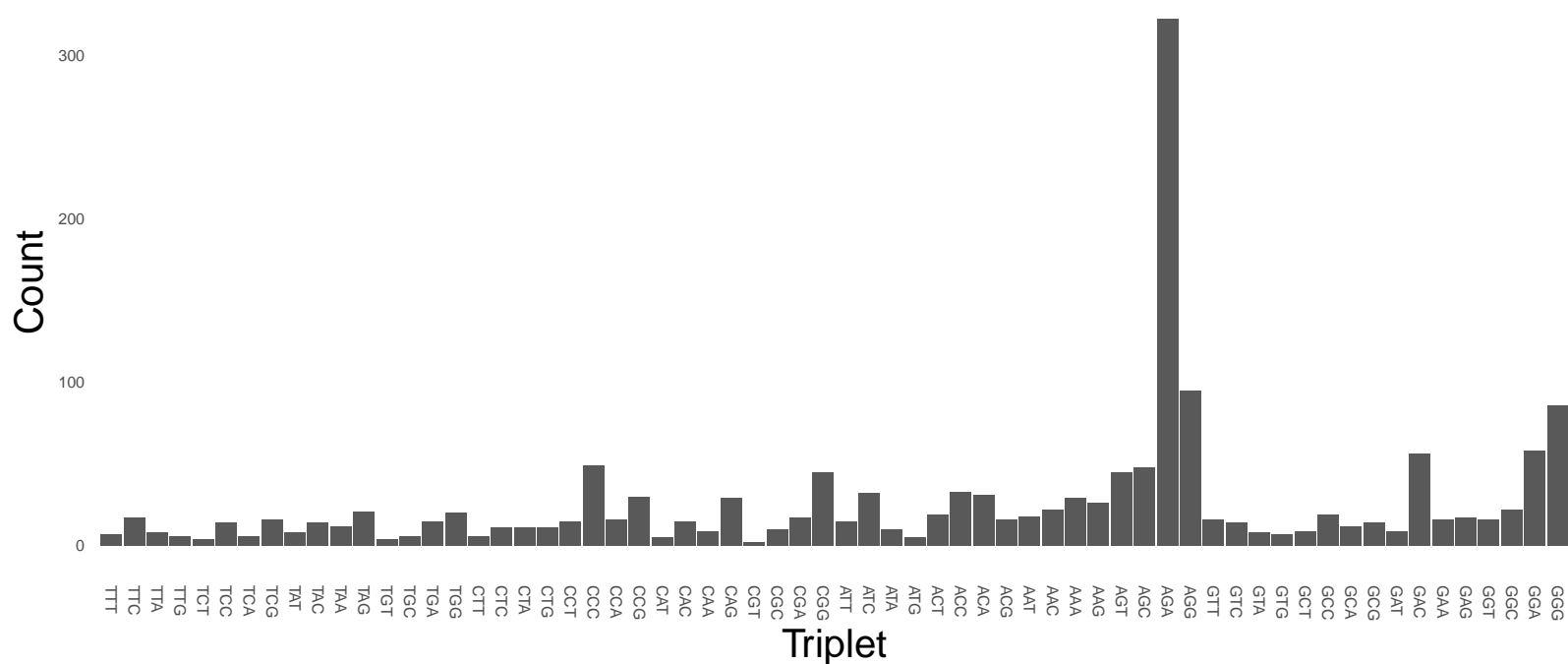
Gene TRBV20-1*ap01_G314A



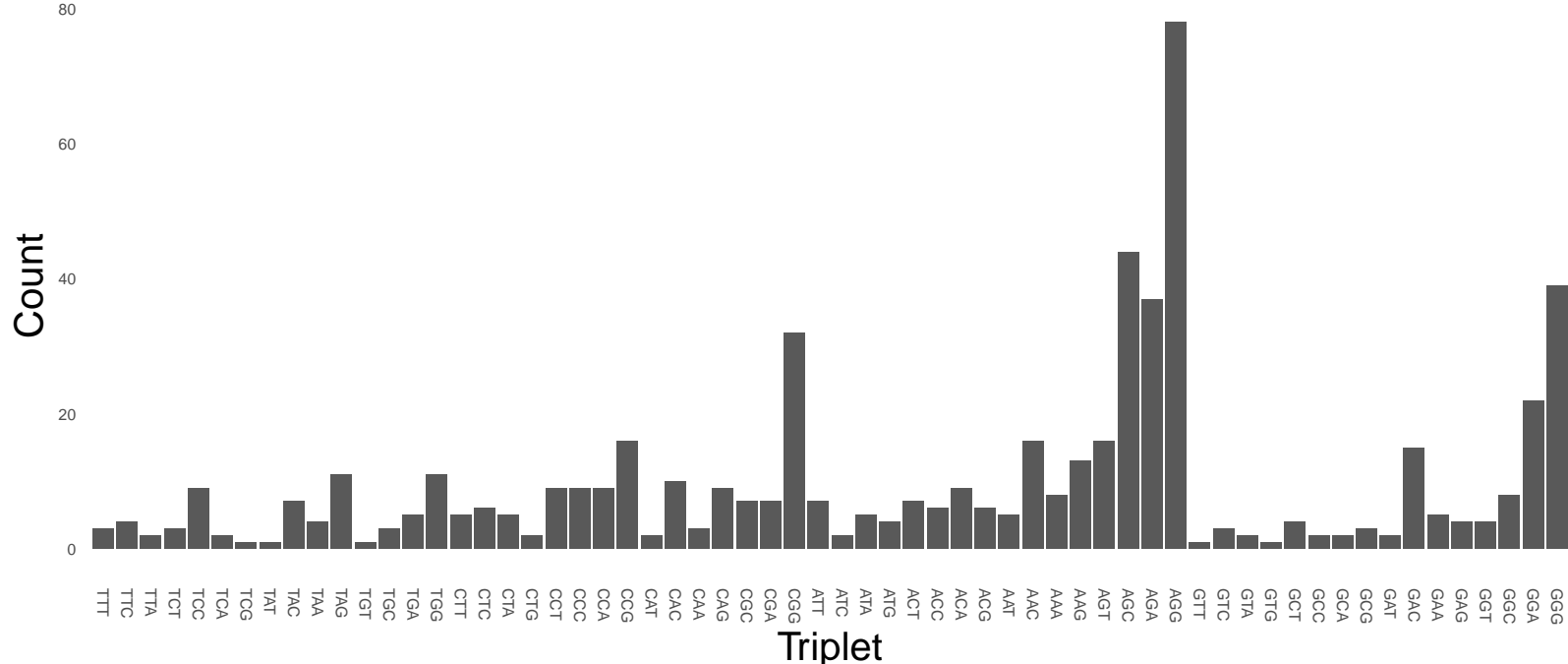
Gene TRBV7-7*ap01_C315T



TRBV20–1*ap01_G314A– Final 3 nucleotides as a triplet

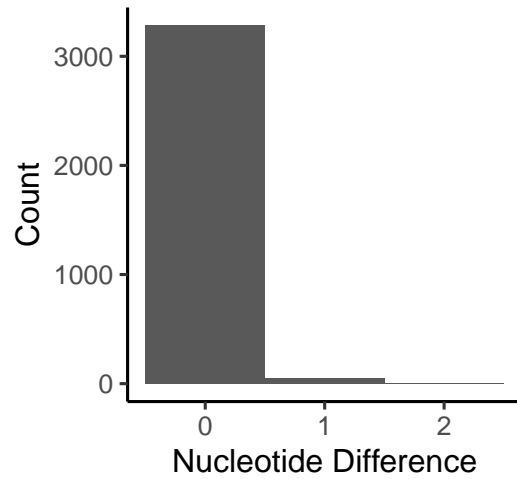


TRBV7–7*ap01_C315T– Final 3 nucleotides as a triplet



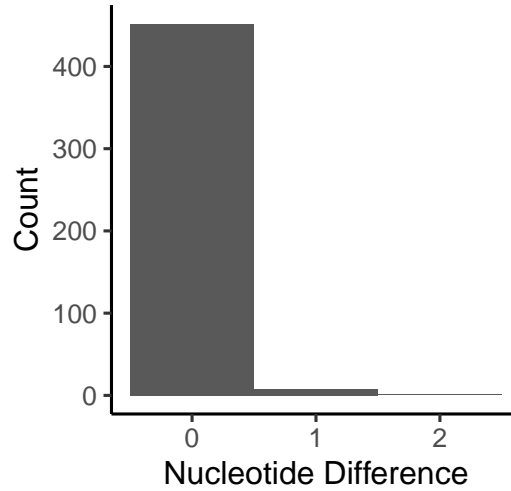
TRBV20-1*ap01

3333 sequences assigned
3283 (98.5%) exact matches, in which:
3217 unique CDR3
13 unique J



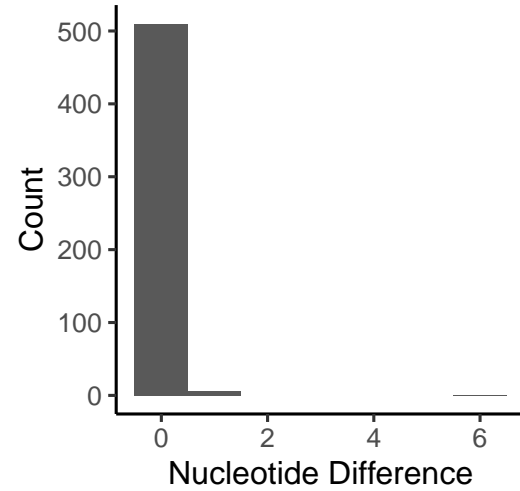
TRBV20-1*ap02

461 sequences assigned
452 (98%) exact matches, in which:
442 unique CDR3
13 unique J



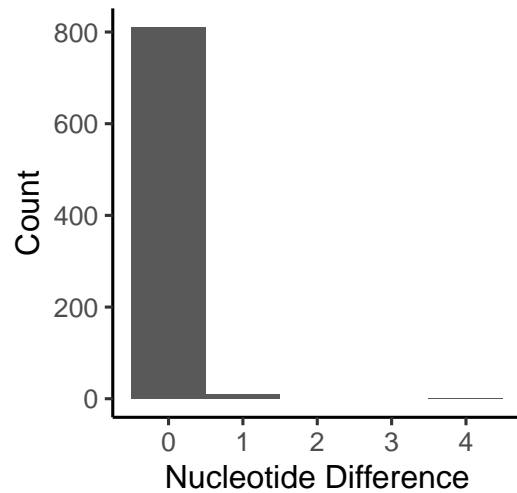
TRBV1*ap01

517 sequences assigned
510 (98.6%) exact matches, in which:
502 unique CDR3
13 unique J



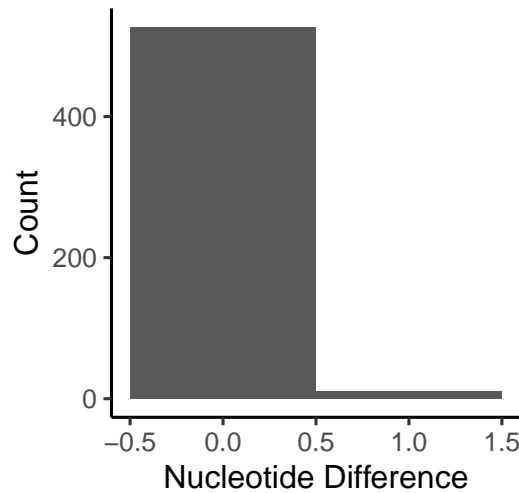
TRBV10-1*ap01

821 sequences assigned
811 (98.8%) exact matches, in which:
808 unique CDR3
13 unique J



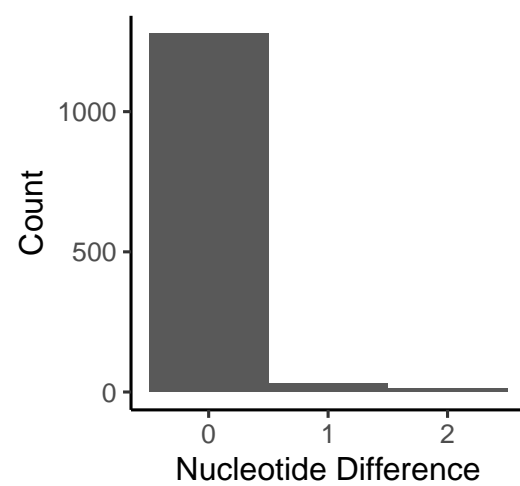
TRBV10-2*ap01

538 sequences assigned
527 (98%) exact matches, in which:
525 unique CDR3
13 unique J



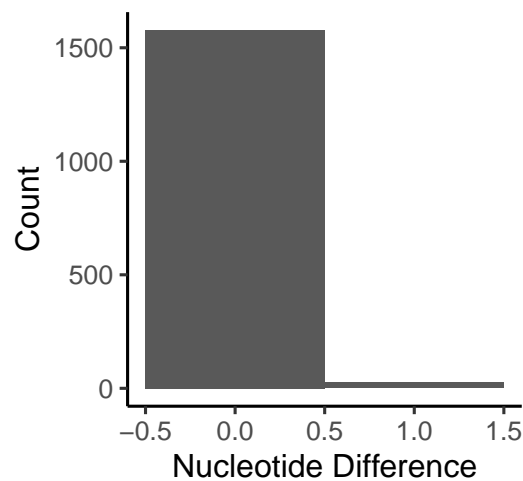
TRBV13*ap01

1319 sequences assigned
1278 (96.9%) exact matches, in which:
1262 unique CDR3
13 unique J



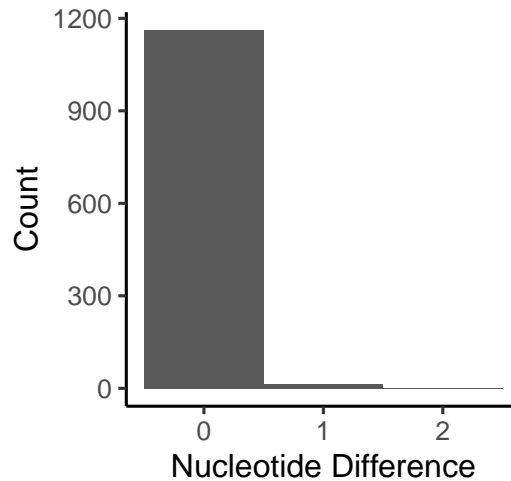
TRBV20-1*ap01_G314A

1604 sequences assigned
1578 (98.4%) exact matches, in which:
1555 unique CDR3
13 unique J



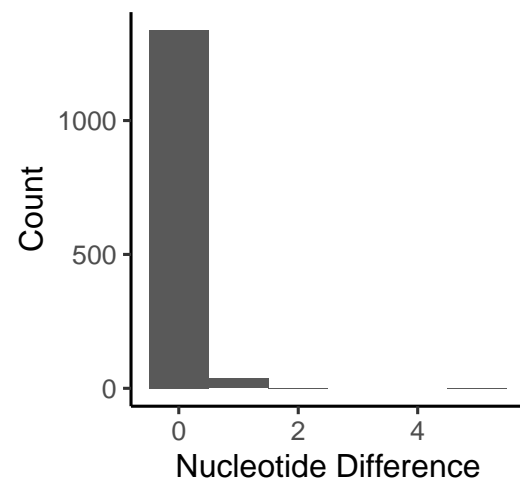
TRBV10-3*ap01

1179 sequences assigned
1162 (98.6%) exact matches, in which:
1154 unique CDR3
13 unique J



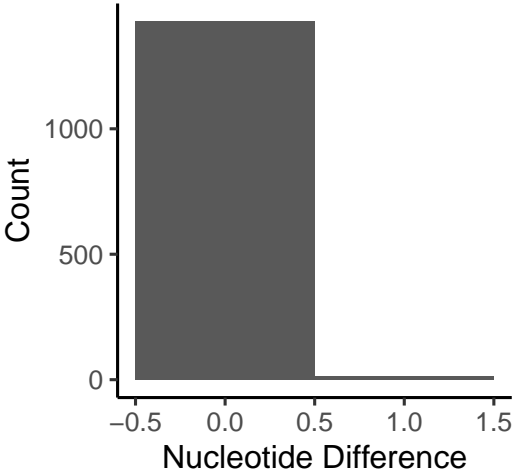
TRBV14*ap01

1377 sequences assigned
1338 (97.2%) exact matches, in which:
1326 unique CDR3
13 unique J



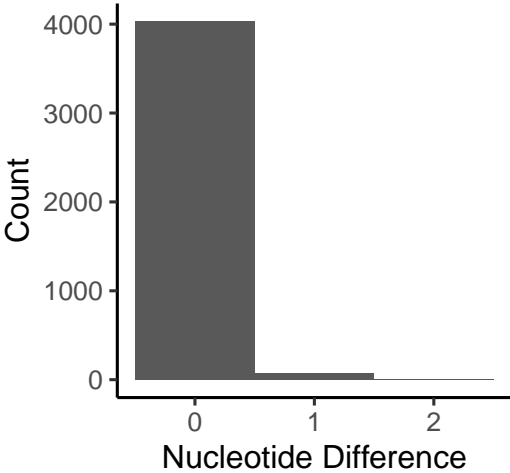
TRBV15*ap02

1442 sequences assigned
1428 (99%) exact matches, in which:
1419 unique CDR3
13 unique J



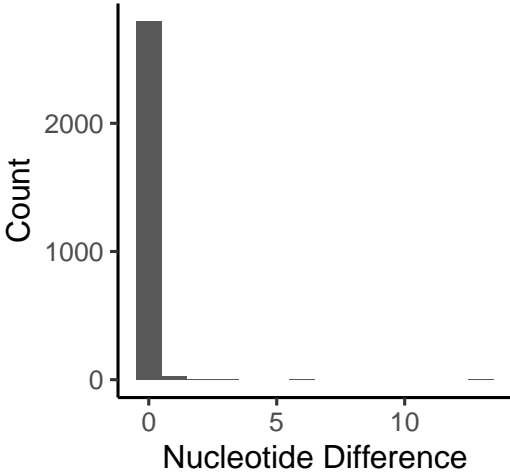
TRBV18*ap01

4104 sequences assigned
4031 (98.2%) exact matches, in which:
3978 unique CDR3
13 unique J



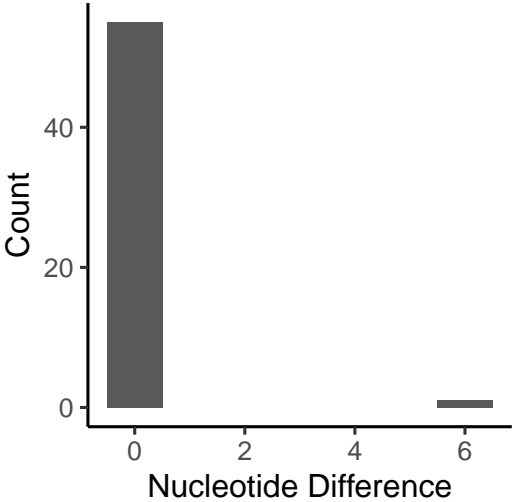
TRBV27*ap01

2827 sequences assigned
2795 (98.9%) exact matches, in which:
2773 unique CDR3
13 unique J



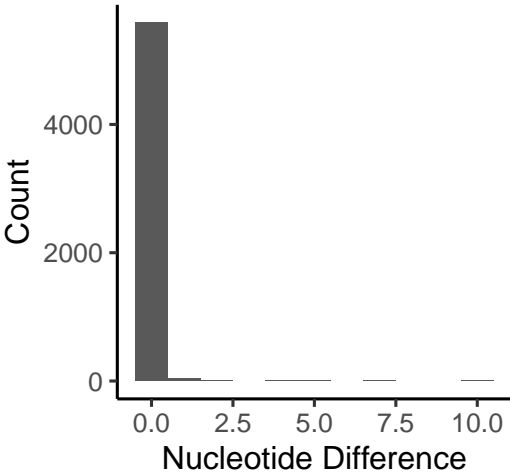
TRBV16*ap01

56 sequences assigned
55 (98.2%) exact matches, in which:
55 unique CDR3
11 unique J



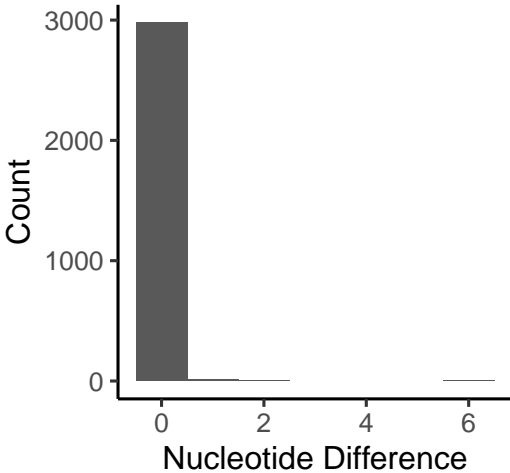
TRBV19*ap01

5629 sequences assigned
5586 (99.2%) exact matches, in which:
5545 unique CDR3
13 unique J



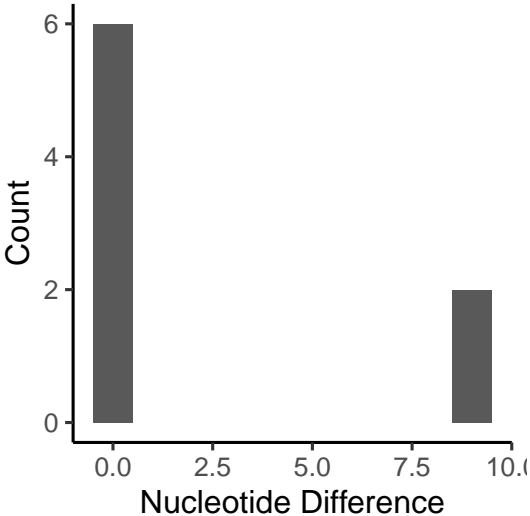
TRBV28*ap01

2996 sequences assigned
2978 (99.4%) exact matches, in which:
2962 unique CDR3
13 unique J



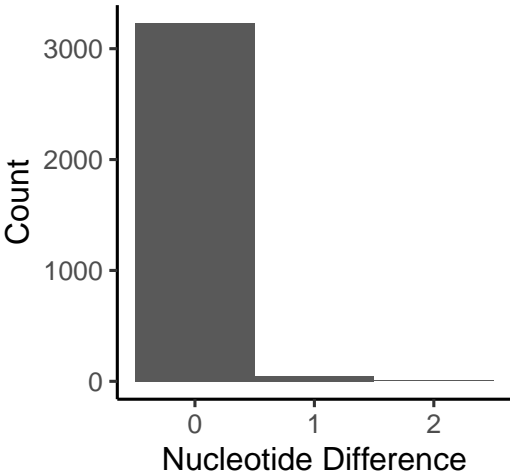
TRBV17*ap01

8 sequences assigned
6 (75%) exact matches, in which:
6 unique CDR3
5 unique J



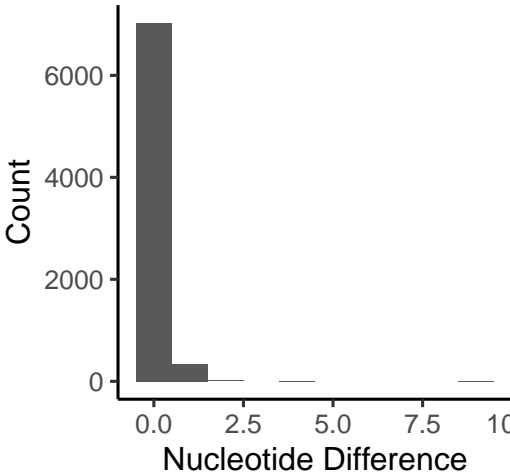
TRBV2*ap01

3286 sequences assigned
3231 (98.3%) exact matches, in which:
3209 unique CDR3
13 unique J



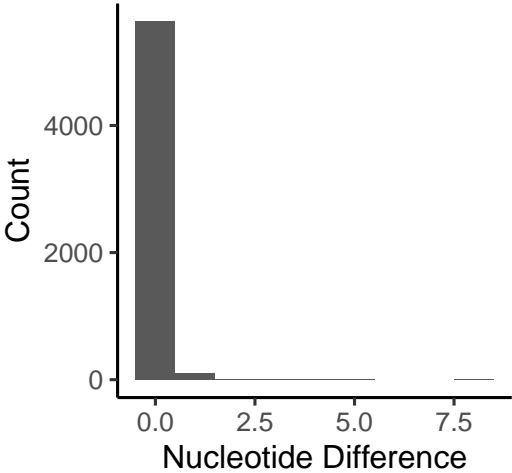
TRBV30*ap01

7387 sequences assigned
7026 (95.1%) exact matches, in which:
6713 unique CDR3
13 unique J



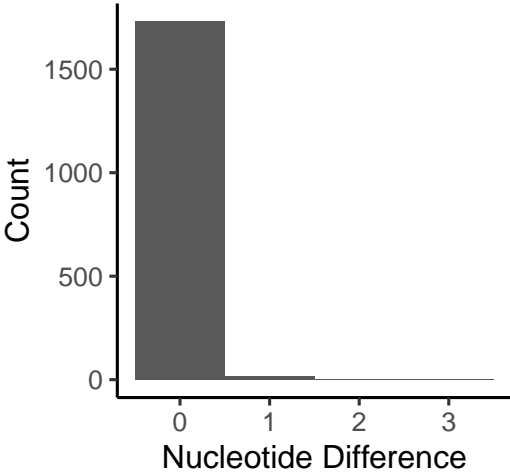
TRBV9*ap01

5741 sequences assigned
5638 (98.2%) exact matches, in which:
5587 unique CDR3
13 unique J



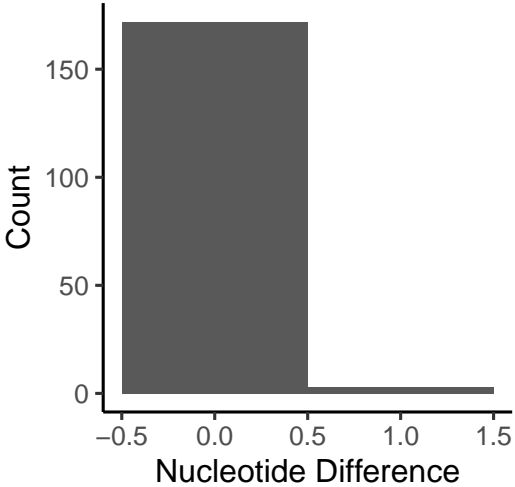
TRBV11-2*ap01

1750 sequences assigned
1731 (98.9%) exact matches, in which:
1721 unique CDR3
13 unique J



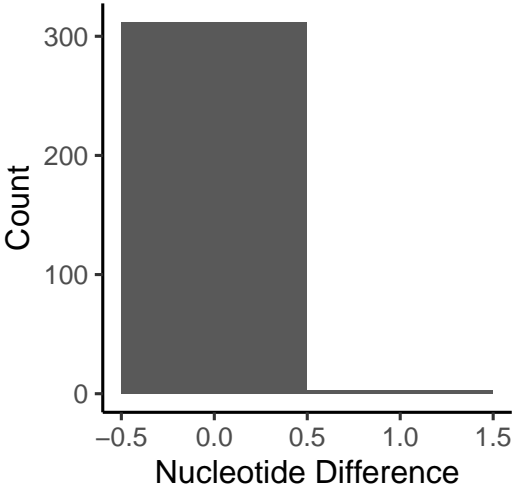
TRBV12-2*ap01

175 sequences assigned
172 (98.3%) exact matches, in which:
172 unique CDR3
13 unique J



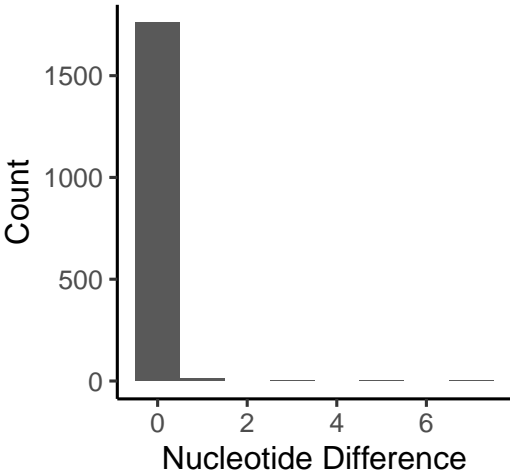
TRBV11-1*ap01

315 sequences assigned
312 (99%) exact matches, in which:
311 unique CDR3
13 unique J



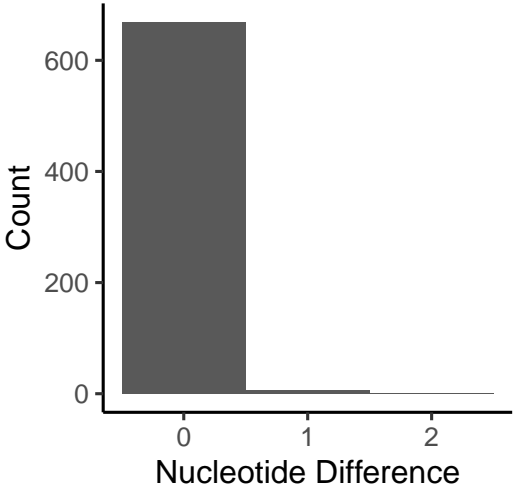
TRBV11-3*ap01

1777 sequences assigned
1760 (99%) exact matches, in which:
1755 unique CDR3
13 unique J



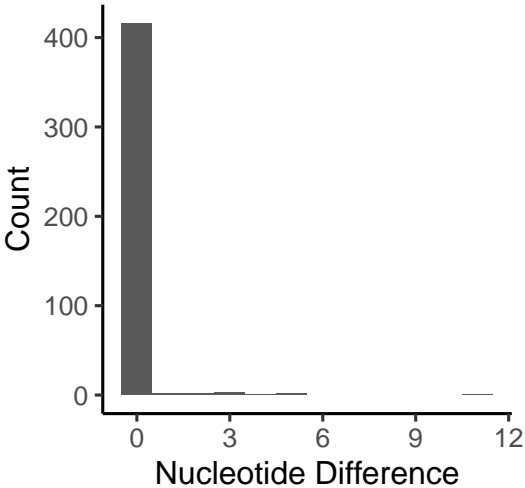
TRBV12-5*ap01

676 sequences assigned
669 (99%) exact matches, in which:
665 unique CDR3
13 unique J



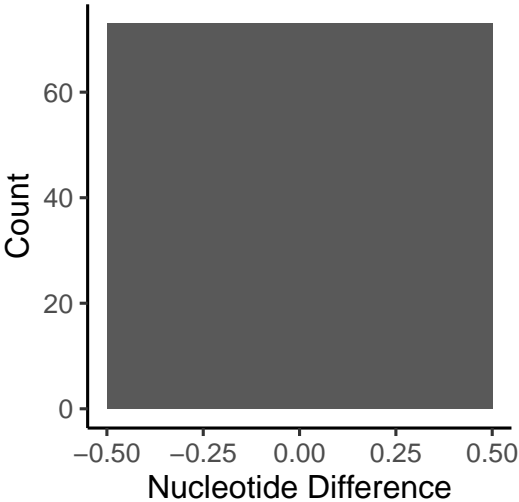
TRBV21-1*ap01

427 sequences assigned
416 (97.4%) exact matches, in which:
414 unique CDR3
13 unique J



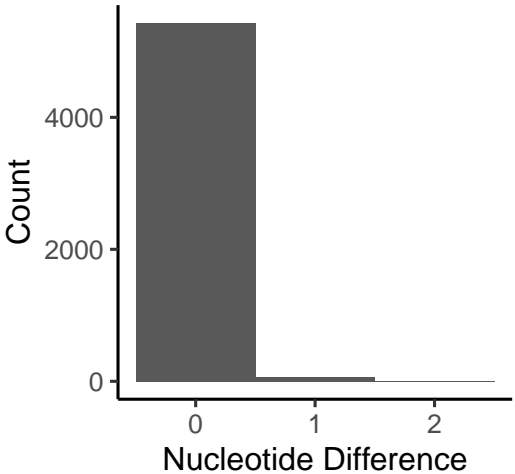
TRBV12-1*ap01

73 sequences assigned
73 (100%) exact matches, in which:
72 unique CDR3
13 unique J



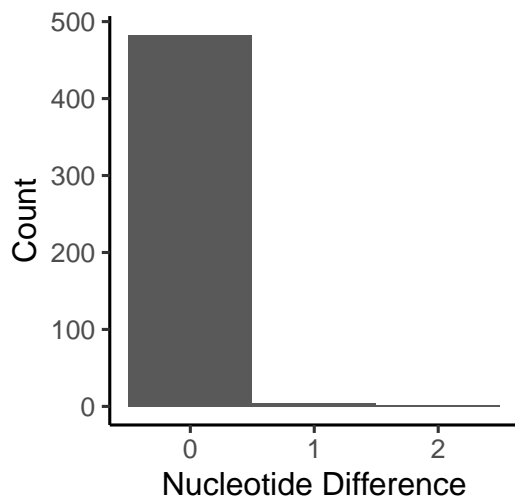
TRBV12-34*ap01

5503 sequences assigned
5429 (98.7%) exact matches, in which:
5387 unique CDR3
13 unique J



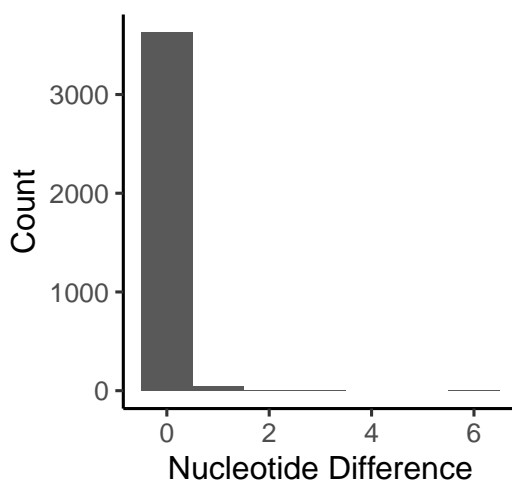
TRBV23-1*ap01

489 sequences assigned
483 (98.8%) exact matches, in which:
480 unique CDR3
13 unique J



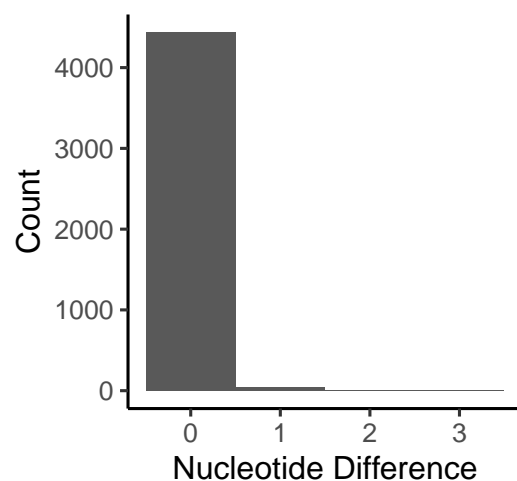
TRBV24-1*ap01

3675 sequences assigned
3629 (98.7%) exact matches, in which:
3592 unique CDR3
13 unique J



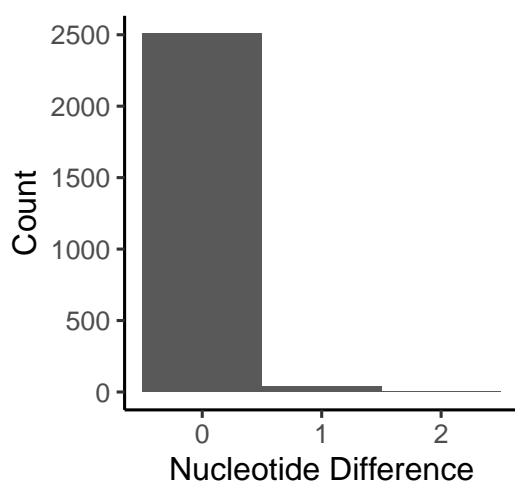
TRBV25-1*ap01

4476 sequences assigned
4436 (99.1%) exact matches, in which:
4375 unique CDR3
13 unique J



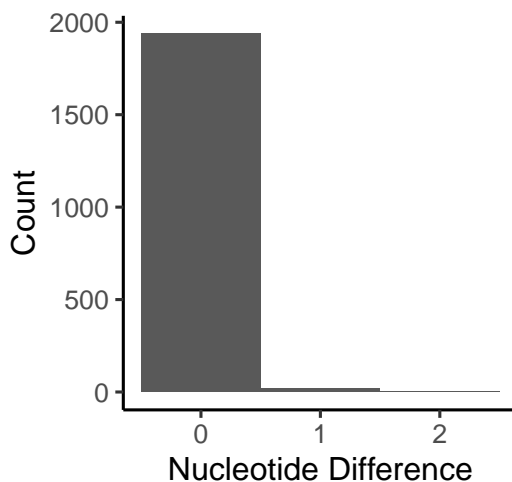
TRBV3-12*ap01

2543 sequences assigned
2507 (98.6%) exact matches, in which:
2493 unique CDR3
13 unique J



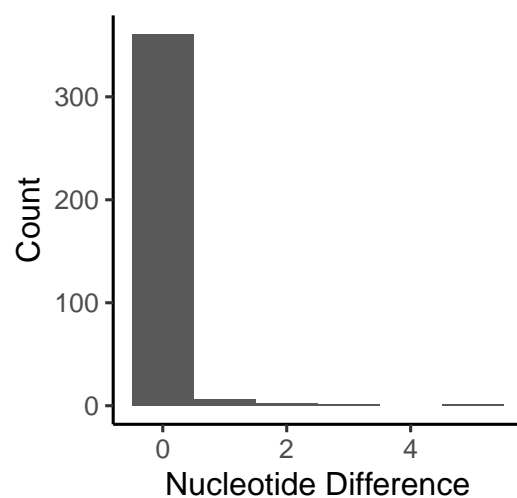
TRBV4-2*ap01

1962 sequences assigned
1938 (98.8%) exact matches, in which:
1916 unique CDR3
13 unique J



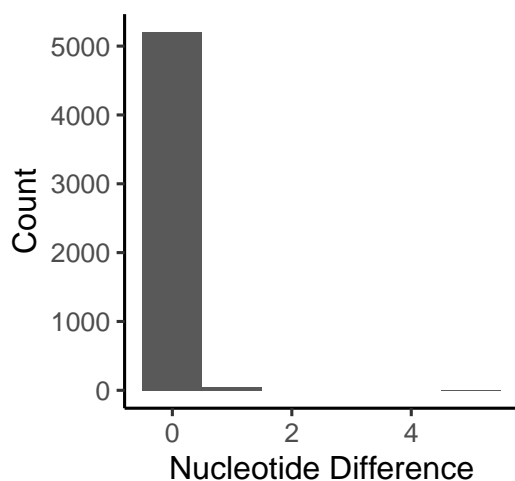
TRBV5-3*ap01

371 sequences assigned
361 (97.3%) exact matches, in which:
357 unique CDR3
13 unique J



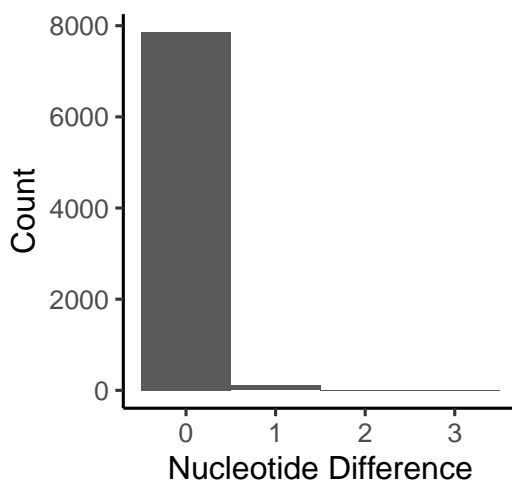
TRBV4-1*ap01

5251 sequences assigned
5204 (99.1%) exact matches, in which:
5137 unique CDR3
13 unique J



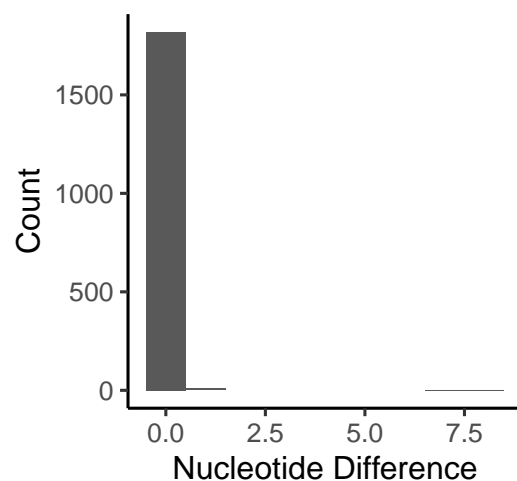
TRBV5-1*ap01

7972 sequences assigned
7861 (98.6%) exact matches, in which:
7774 unique CDR3
13 unique J



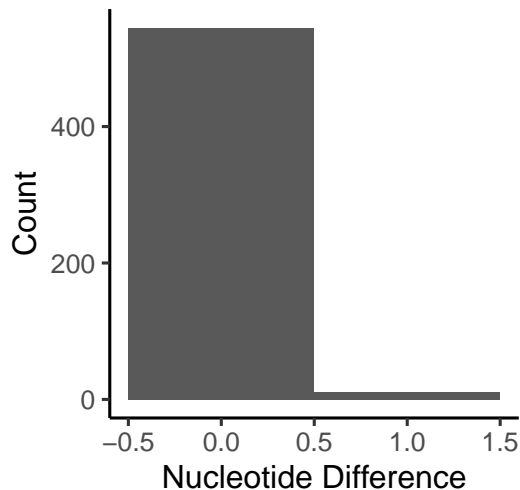
TRBV5-4*ap01

1830 sequences assigned
1819 (99.4%) exact matches, in which:
1805 unique CDR3
13 unique J



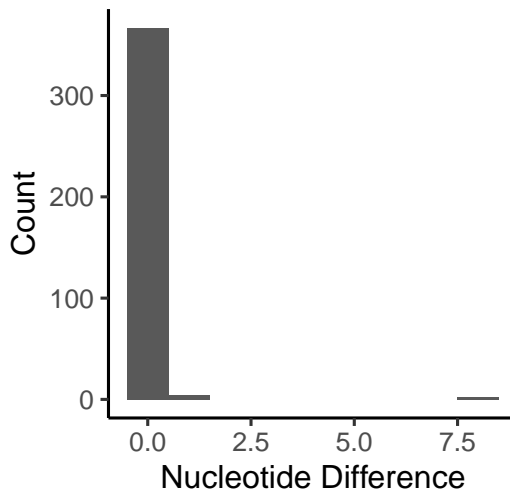
TRBV5-5*ap01

556 sequences assigned
545 (98%) exact matches, in which:
541 unique CDR3
13 unique J



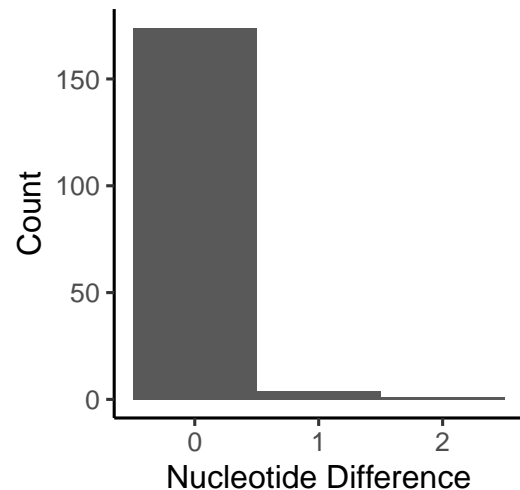
TRBV5-8*ap01

373 sequences assigned
367 (98.4%) exact matches, in which:
366 unique CDR3
13 unique J



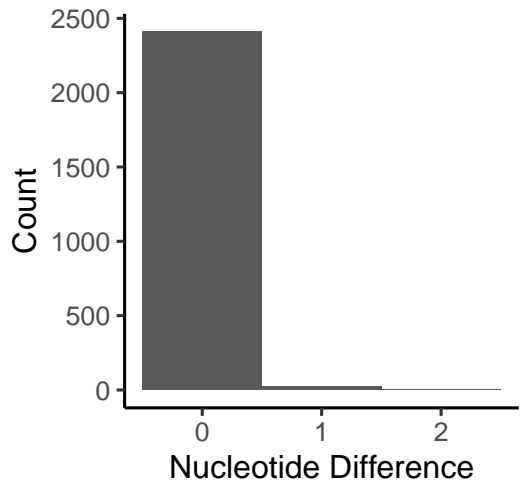
TRBV6-7*ap01

179 sequences assigned
174 (97.2%) exact matches, in which:
173 unique CDR3
12 unique J



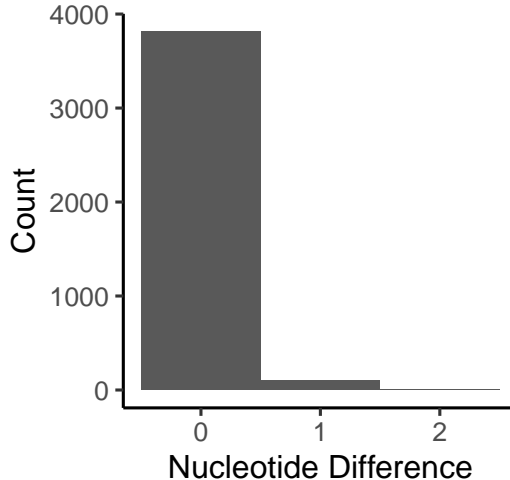
TRBV5-6*ap01

2437 sequences assigned
2410 (98.9%) exact matches, in which:
2369 unique CDR3
13 unique J



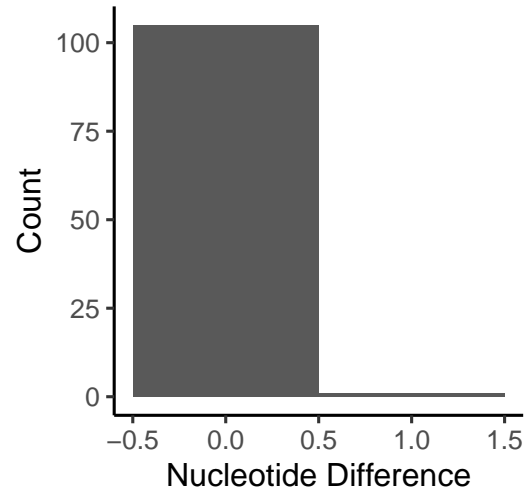
TRBV6-1*ap01

3914 sequences assigned
3812 (97.4%) exact matches, in which:
3768 unique CDR3
13 unique J



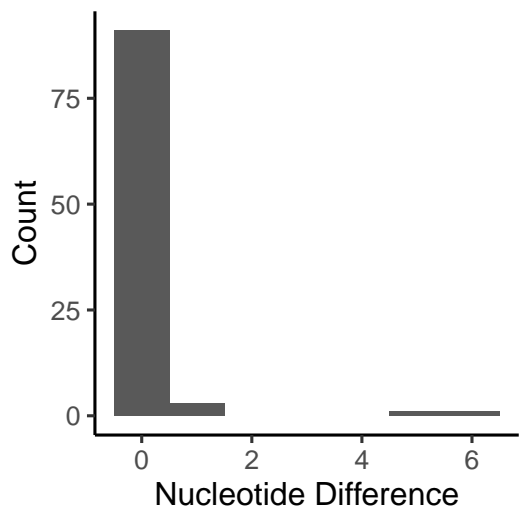
TRBV6-8*ap01

106 sequences assigned
105 (99.1%) exact matches, in which:
105 unique CDR3
13 unique J



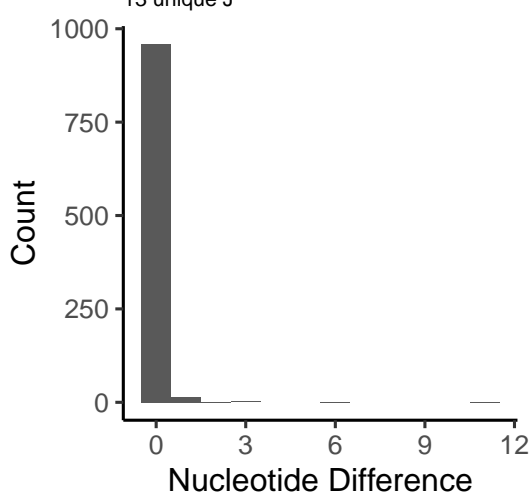
TRBV5-7*ap01

96 sequences assigned
91 (94.8%) exact matches, in which:
88 unique CDR3
11 unique J



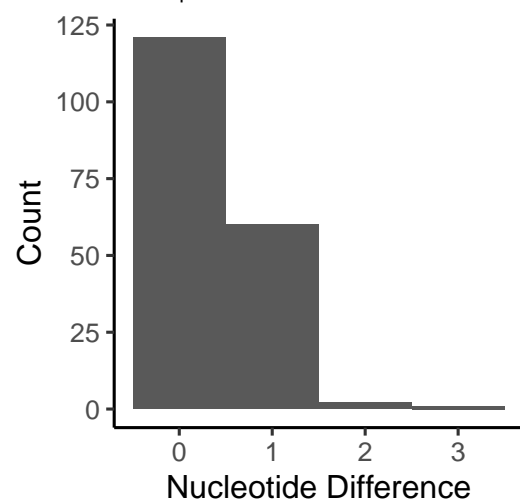
TRBV6-4*ap01

978 sequences assigned
959 (98.1%) exact matches, in which:
943 unique CDR3
13 unique J



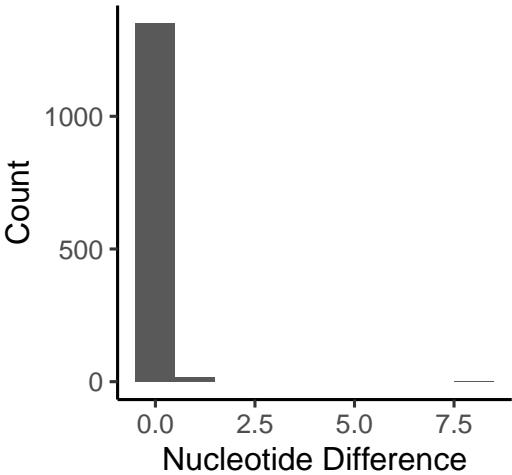
TRBV6-9*ap01

184 sequences assigned
121 (65.8%) exact matches, in which:
120 unique CDR3
13 unique J



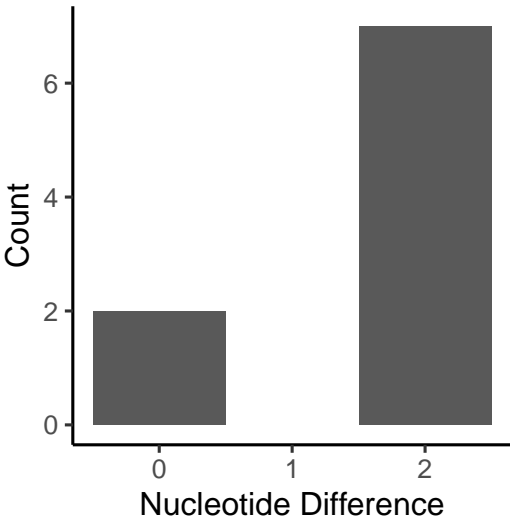
TRBV6-23*ap01

1369 sequences assigned
1350 (98.6%) exact matches, in which:
1340 unique CDR3
13 unique J



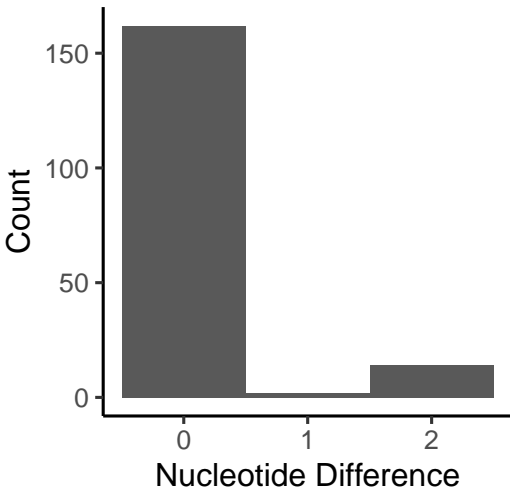
TRBV7-1*ap01

9 sequences assigned
2 (22.2%) exact matches, in which:
2 unique CDR3
2 unique J



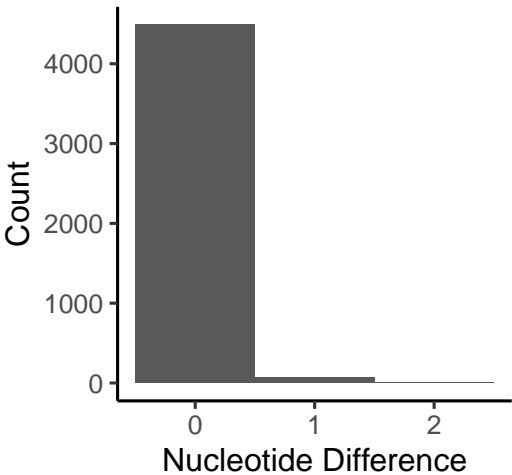
TRBV7-4*ap01

178 sequences assigned
162 (91%) exact matches, in which:
161 unique CDR3
13 unique J



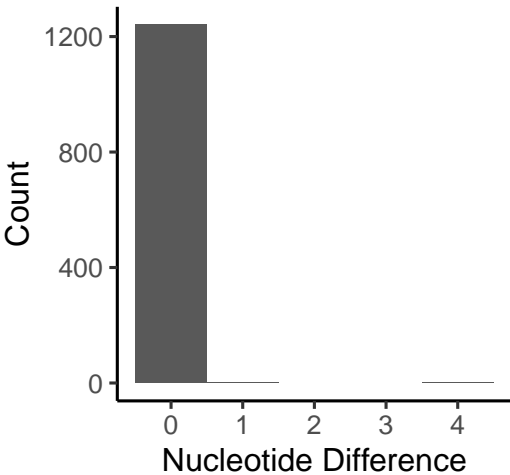
TRBV6-56*ap01

4561 sequences assigned
4489 (98.4%) exact matches, in which:
4436 unique CDR3
13 unique J



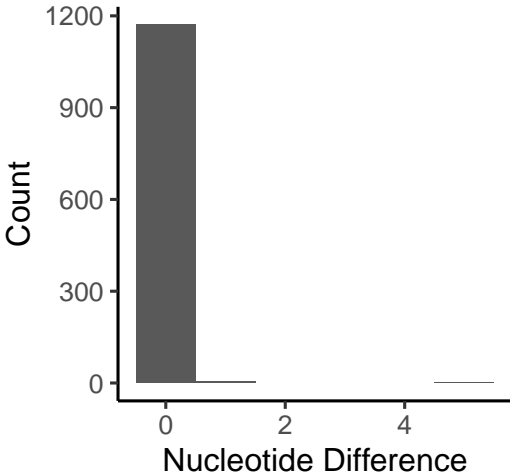
TRBV7-2*ap01

1245 sequences assigned
1241 (99.7%) exact matches, in which:
1229 unique CDR3
13 unique J



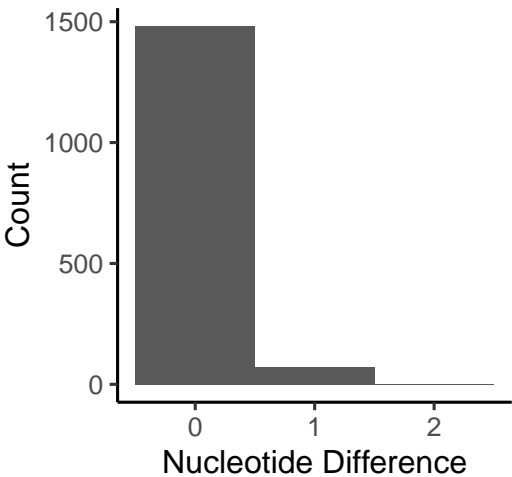
TRBV7-6*ap01

1179 sequences assigned
1171 (99.3%) exact matches, in which:
1157 unique CDR3
13 unique J



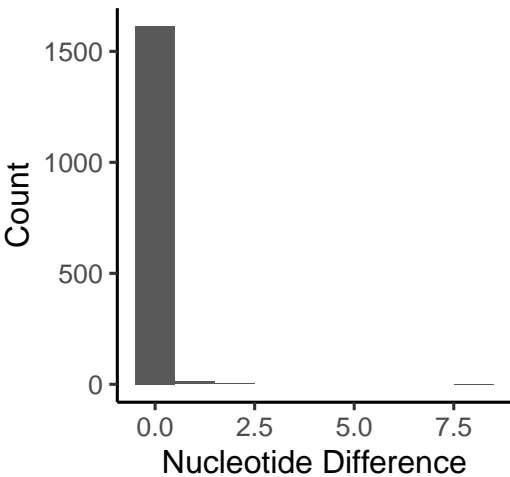
TRBV6-56*ap02

1554 sequences assigned
1482 (95.4%) exact matches, in which:
1456 unique CDR3
13 unique J



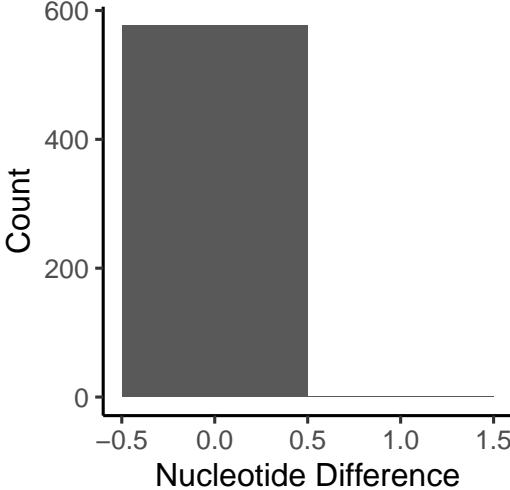
TRBV7-3*ap01

1631 sequences assigned
1614 (99%) exact matches, in which:
1600 unique CDR3
13 unique J



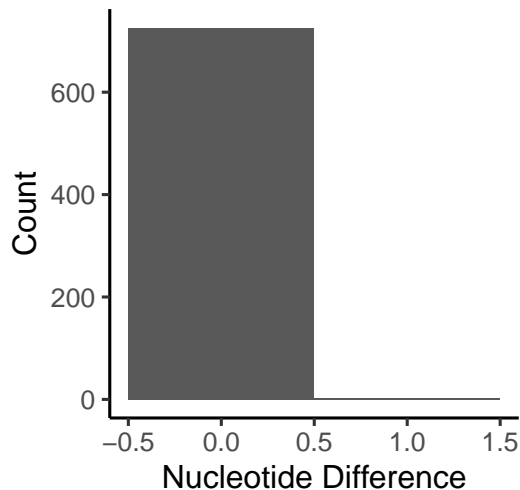
TRBV7-7*ap01_C315T

578 sequences assigned
577 (99.8%) exact matches, in which:
561 unique CDR3
13 unique J



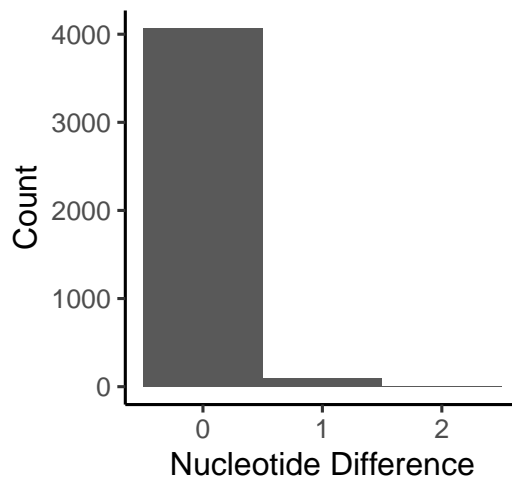
TRBV7-8*ap01

728 sequences assigned
726 (99.7%) exact matches, in which:
719 unique CDR3
13 unique J



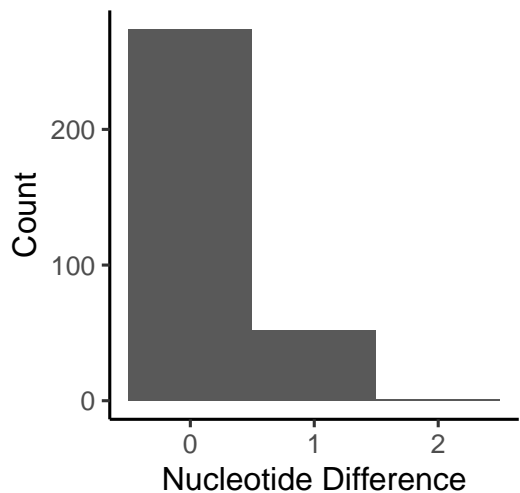
TRBV29-1*ap01

4169 sequences assigned
4066 (97.5%) exact matches, in which:
3951 unique CDR3
13 unique J



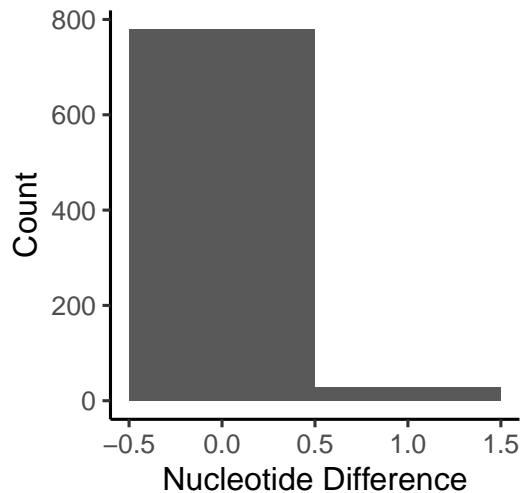
TRBV7-8*ap03

327 sequences assigned
274 (83.8%) exact matches, in which:
274 unique CDR3
13 unique J



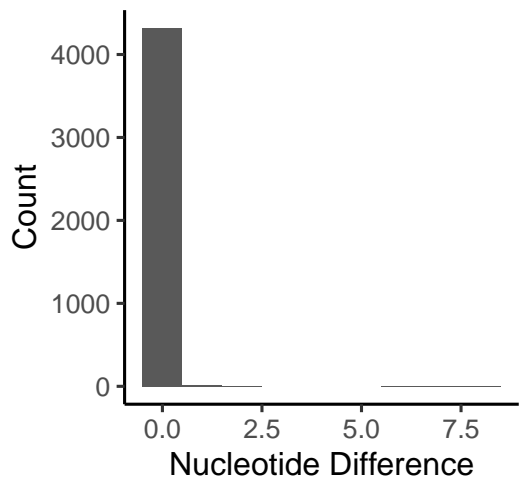
TRBV29-1*ap02

809 sequences assigned
780 (96.4%) exact matches, in which:
750 unique CDR3
13 unique J

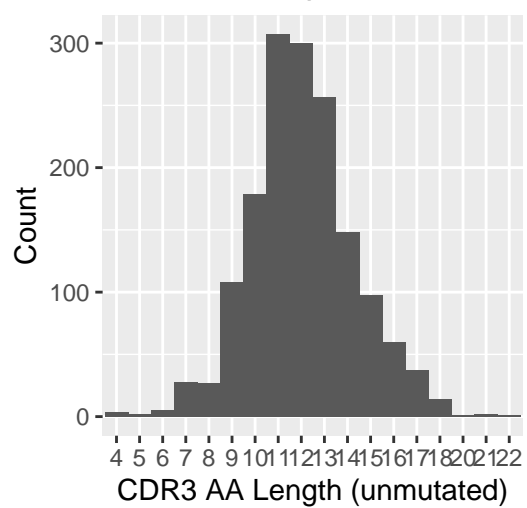


TRBV7-9*ap01

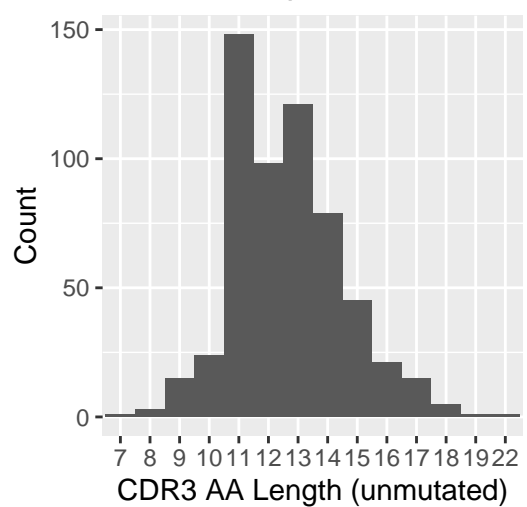
4339 sequences assigned
4319 (99.5%) exact matches, in which:
4288 unique CDR3
13 unique J



TRBV20-1*ap01_G314A



TRBV7-7*ap01_C315T





[illegible]