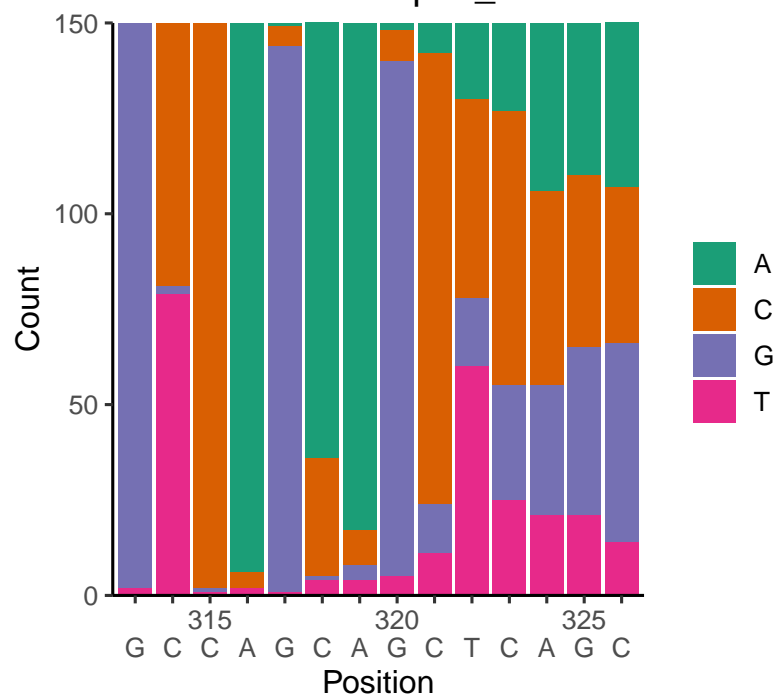
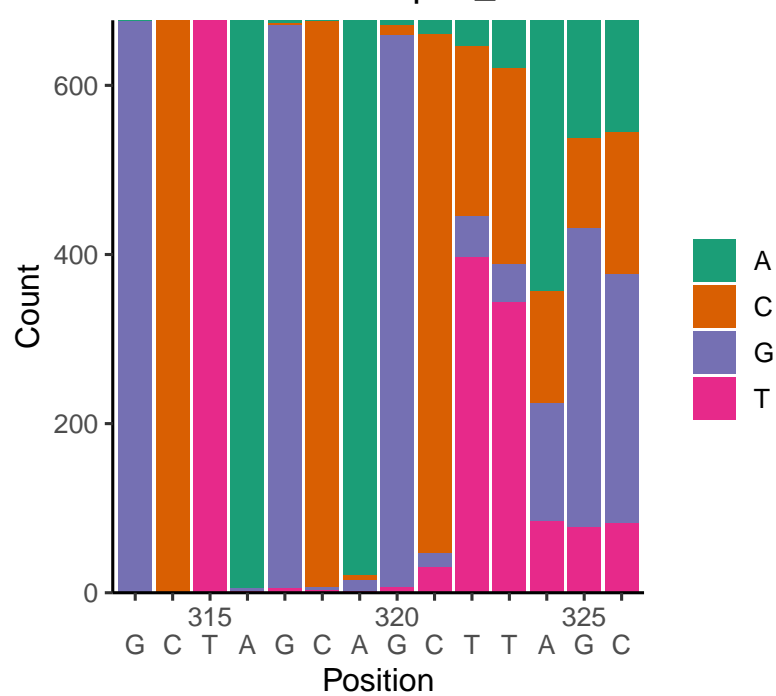


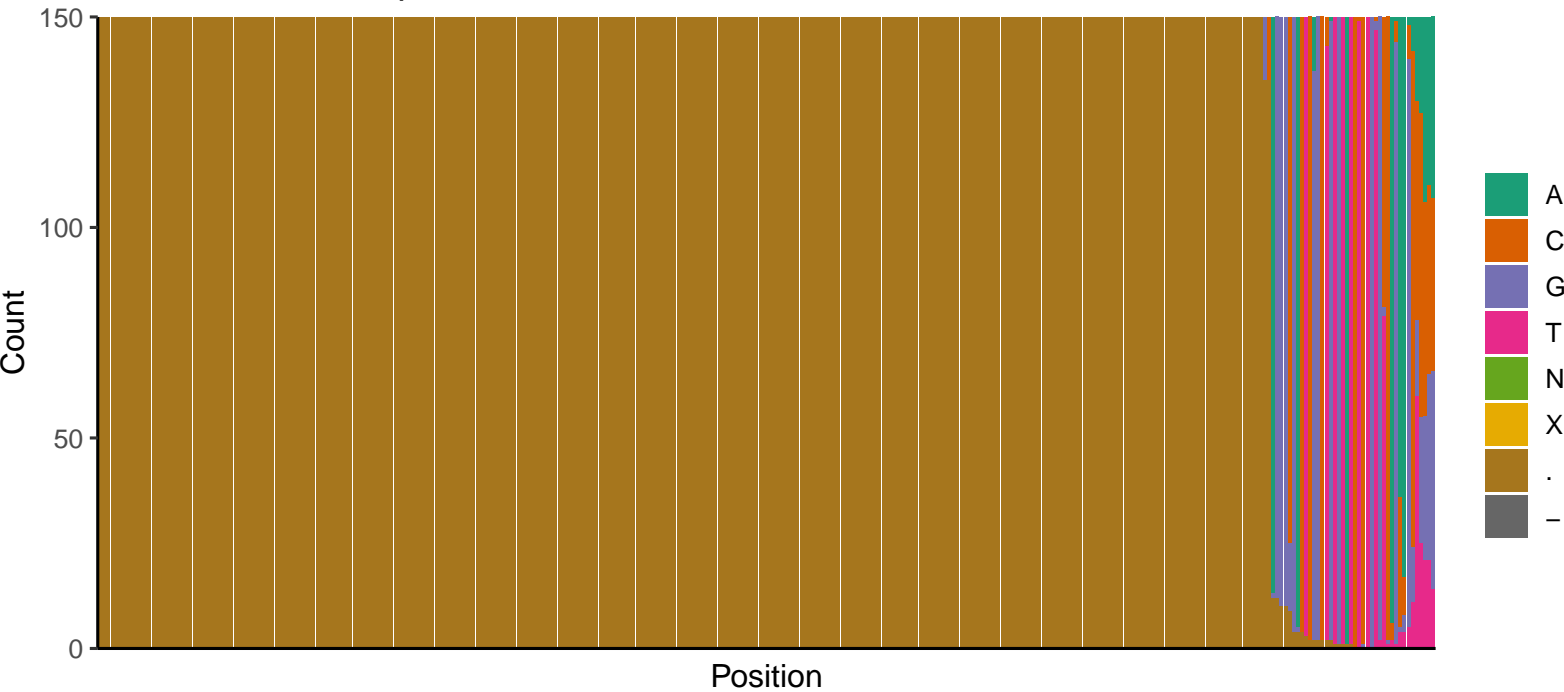
Gene TRBV7-1*ap01_T296C



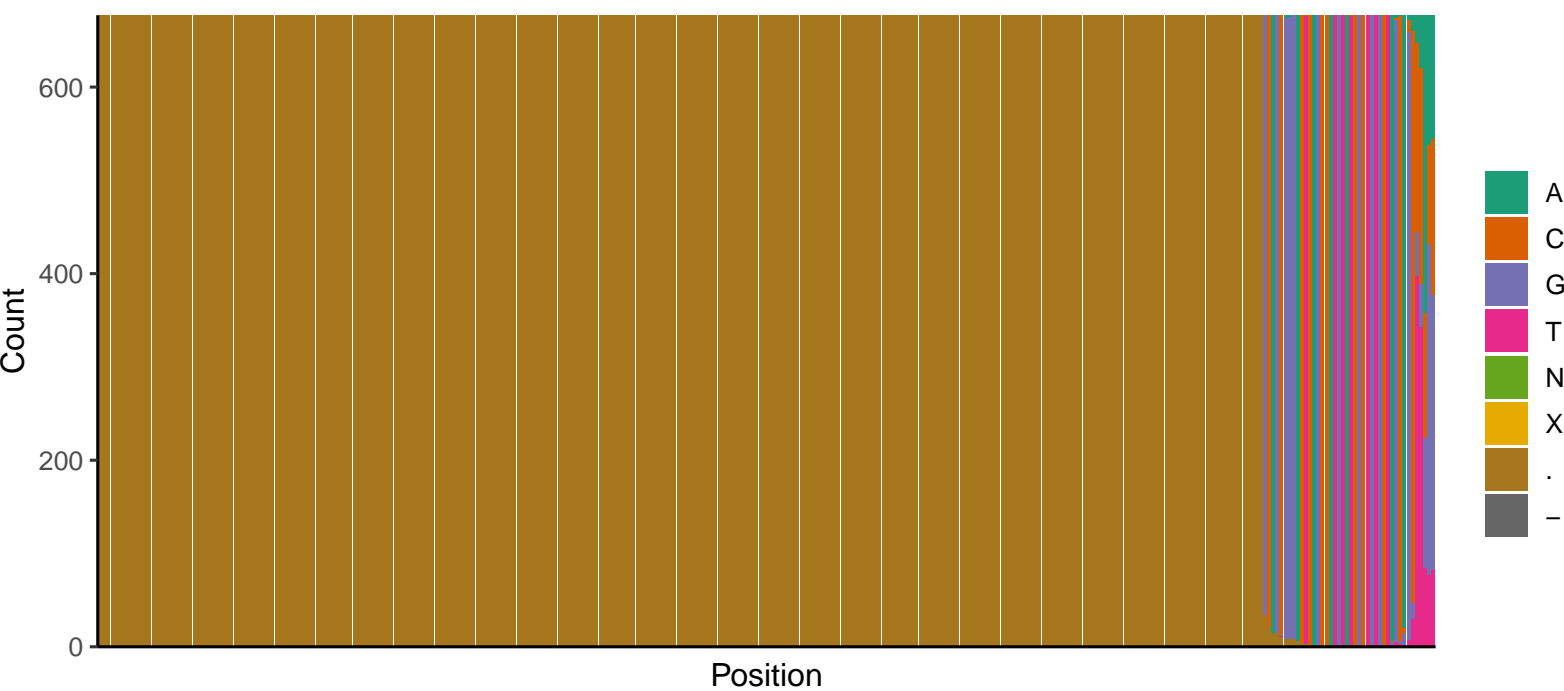
Gene TRBV7-7*ap01_C315T



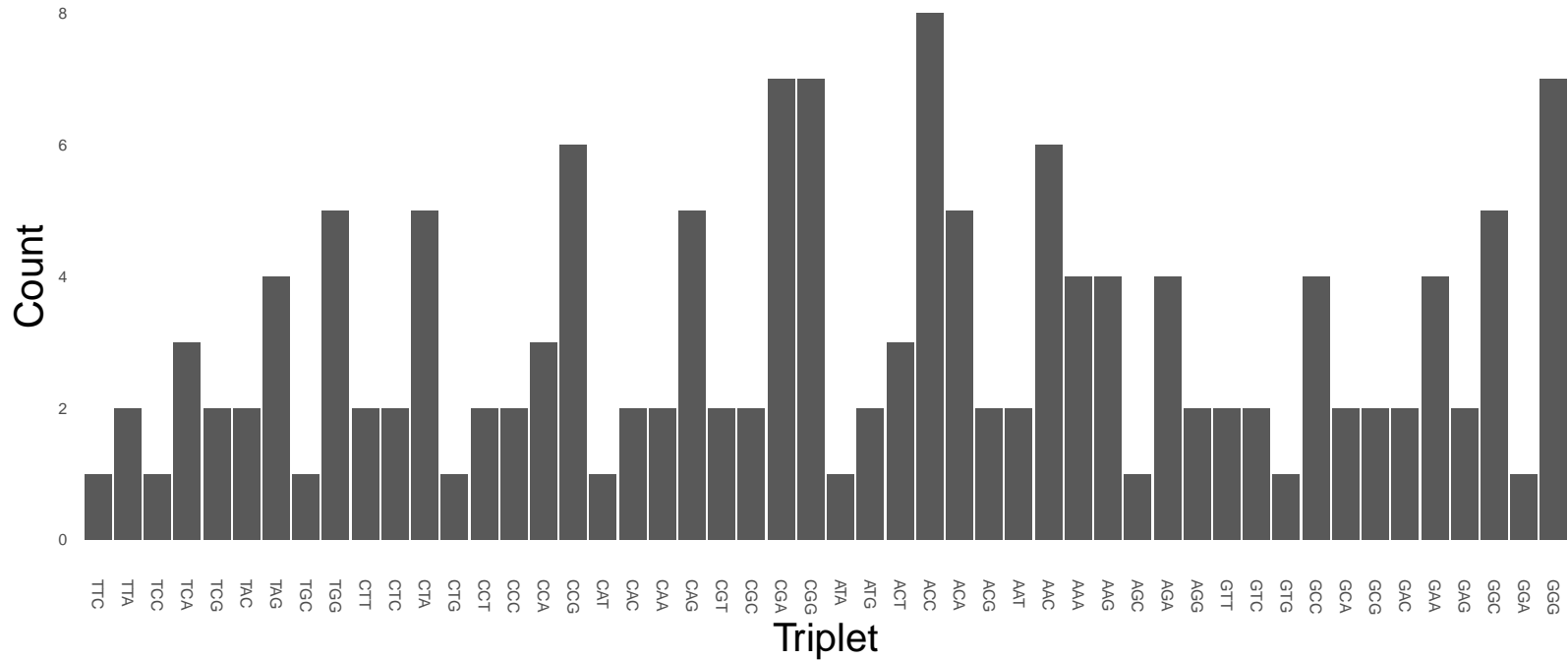
Gene TRBV7-1*ap01_T296C



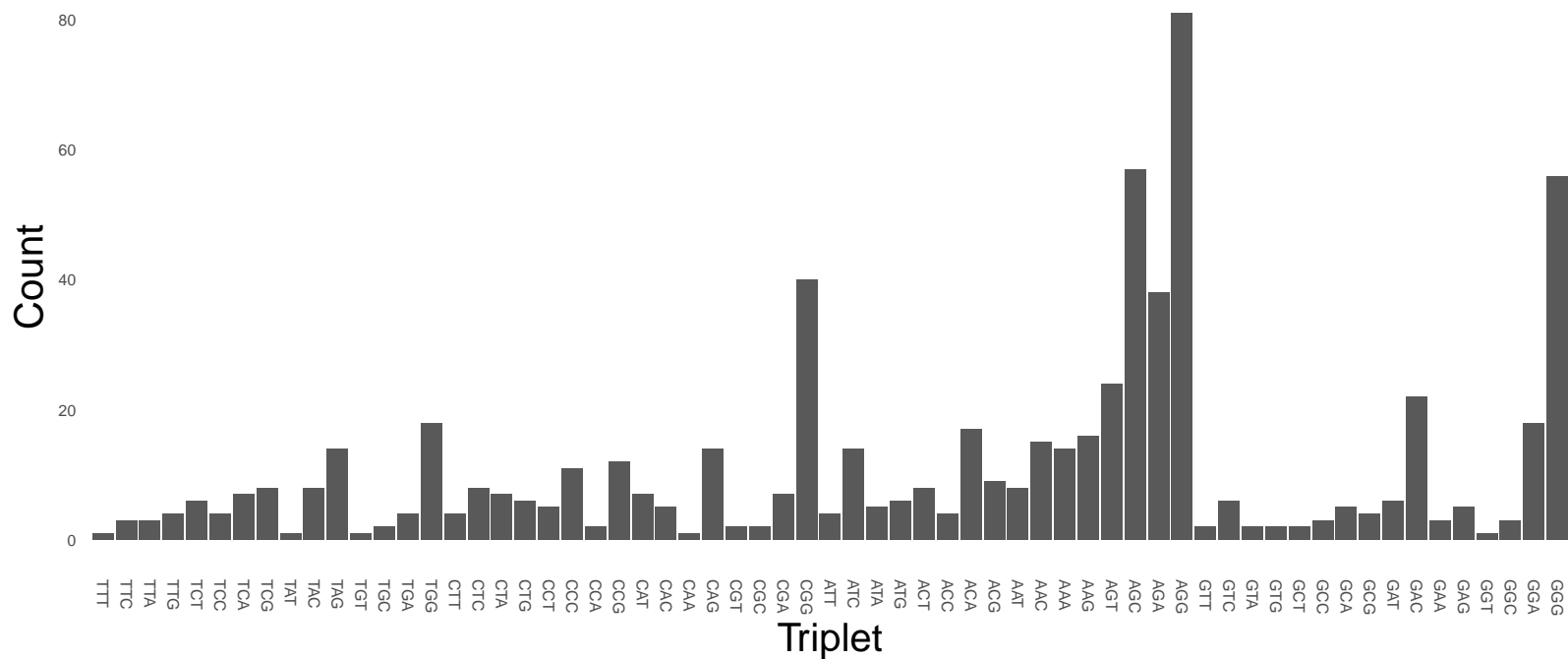
Gene TRBV7-7*ap01_C315T



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

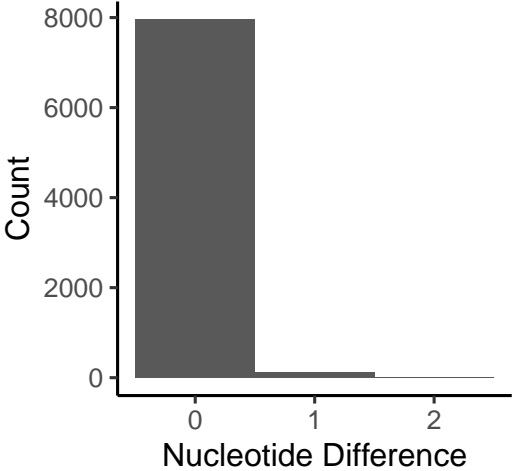


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



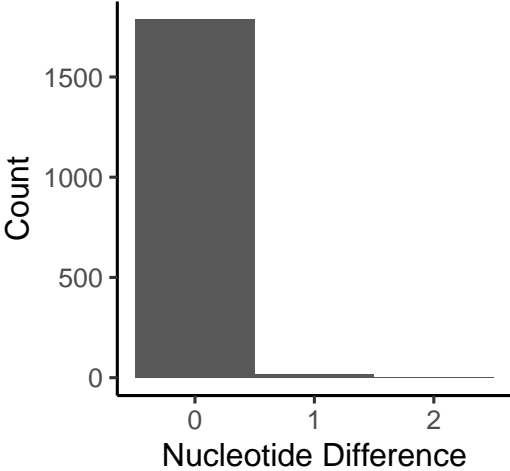
TRBV20-1*ap01

8072 sequences assigned
7959 (98.6%) exact matches, in which:
7797 unique CDR3
13 unique J



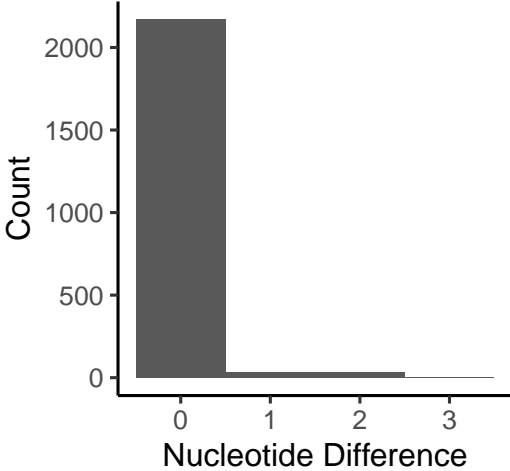
TRBV10-2*ap01

1803 sequences assigned
1787 (99.1%) exact matches, in which:
1746 unique CDR3
13 unique J



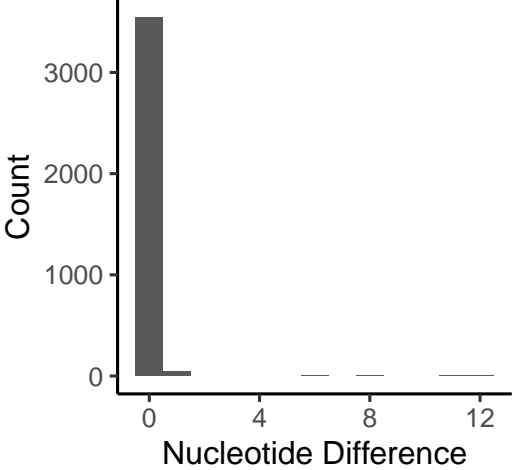
TRBV13*ap01

2240 sequences assigned
2170 (96.9%) exact matches, in which:
2098 unique CDR3
13 unique J



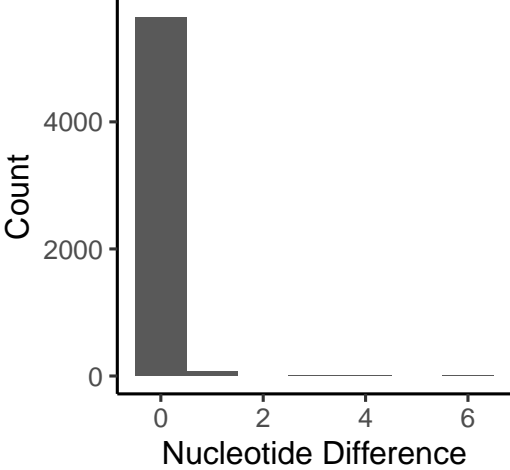
TRBV10-1*ap01

3588 sequences assigned
3541 (98.7%) exact matches, in which:
3445 unique CDR3
13 unique J



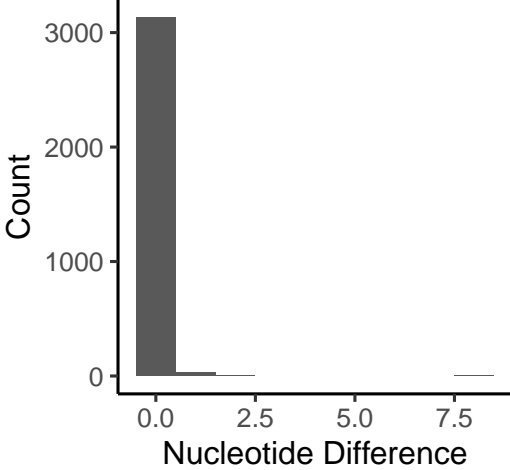
TRBV10-3*ap01

5711 sequences assigned
5639 (98.7%) exact matches, in which:
5505 unique CDR3
13 unique J



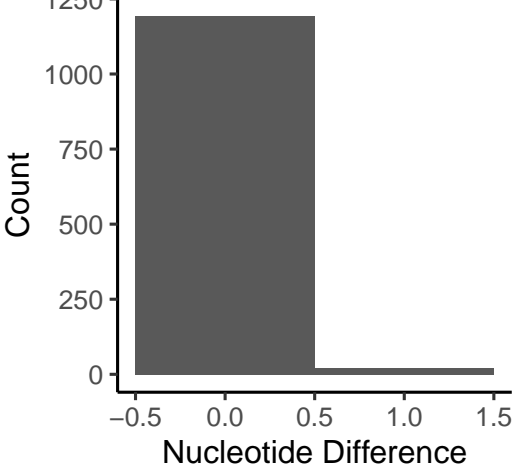
TRBV14*ap01

3160 sequences assigned
3130 (99.1%) exact matches, in which:
3071 unique CDR3
13 unique J



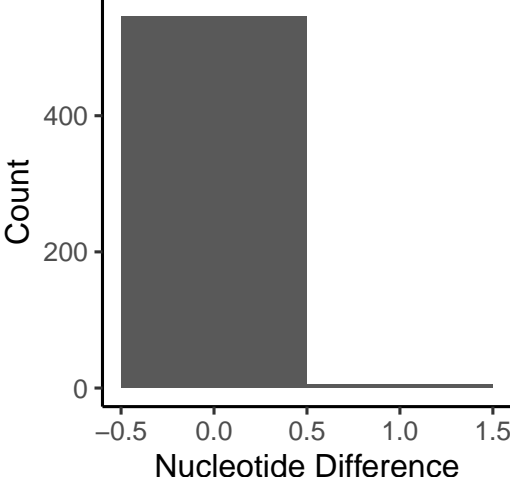
TRBV20-1*ap02

1214 sequences assigned
1193 (98.3%) exact matches, in which:
1164 unique CDR3
13 unique J



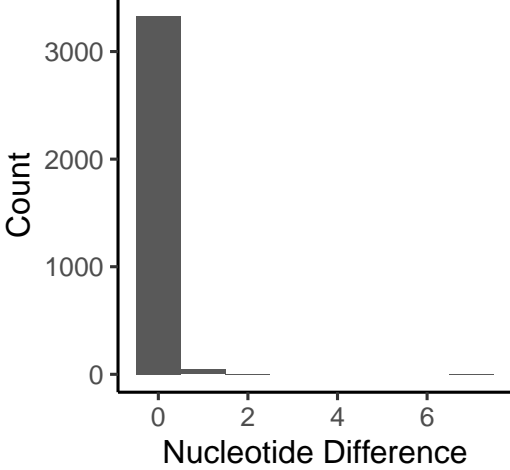
TRBV1*ap01

551 sequences assigned
546 (99.1%) exact matches, in which:
527 unique CDR3
13 unique J



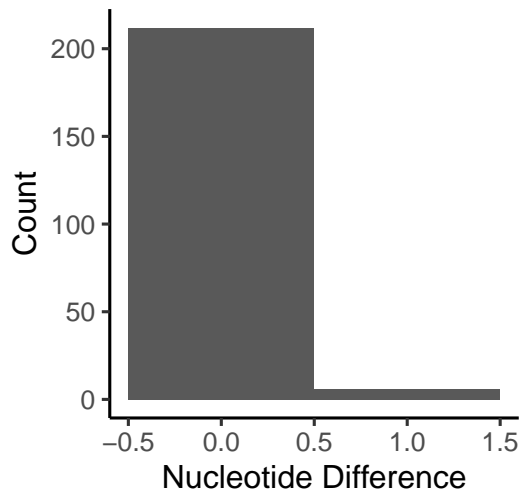
TRBV15*ap02

3379 sequences assigned
3330 (98.5%) exact matches, in which:
3239 unique CDR3
13 unique J



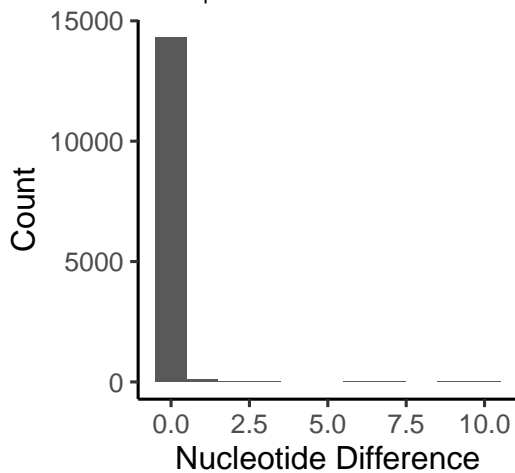
TRBV16*ap01

218 sequences assigned
212 (97.2%) exact matches, in which:
210 unique CDR3
12 unique J



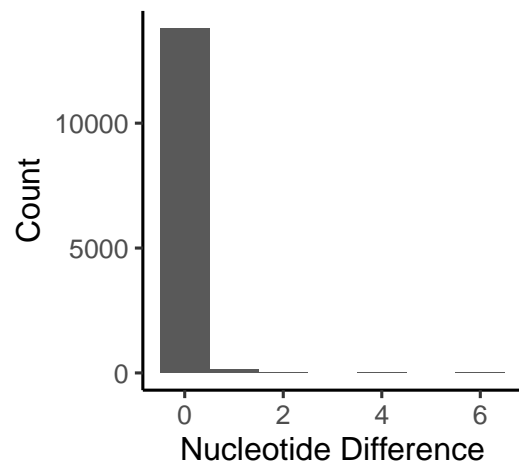
TRBV19*ap01

14455 sequences assigned
14322 (99.1%) exact matches, in which:
14174 unique CDR3
13 unique J



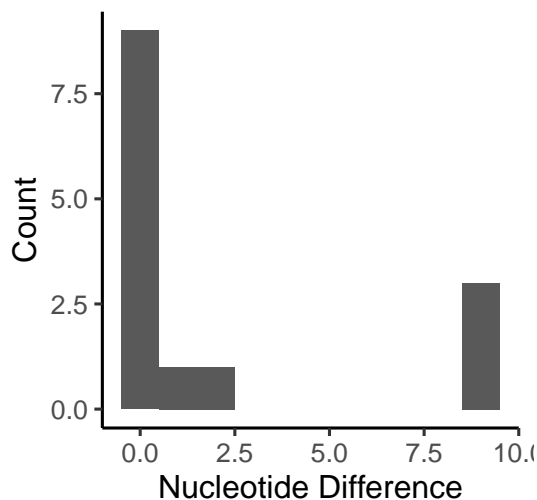
TRBV28*ap01

13963 sequences assigned
13804 (98.9%) exact matches, in which:
13527 unique CDR3
13 unique J



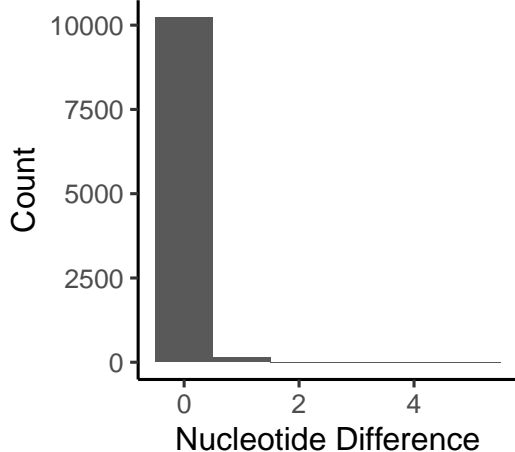
TRBV17*ap01

14 sequences assigned
9 (64.3%) exact matches, in which:
9 unique CDR3
7 unique J



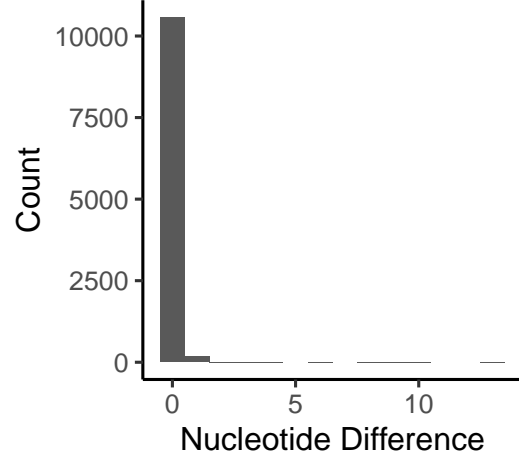
TRBV2*ap01

10374 sequences assigned
10228 (98.6%) exact matches, in which:
9917 unique CDR3
13 unique J



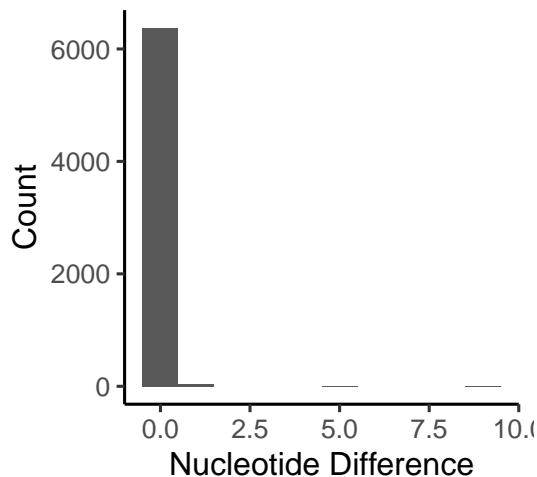
TRBV30*ap01

10767 sequences assigned
10568 (98.2%) exact matches, in which:
10326 unique CDR3
13 unique J



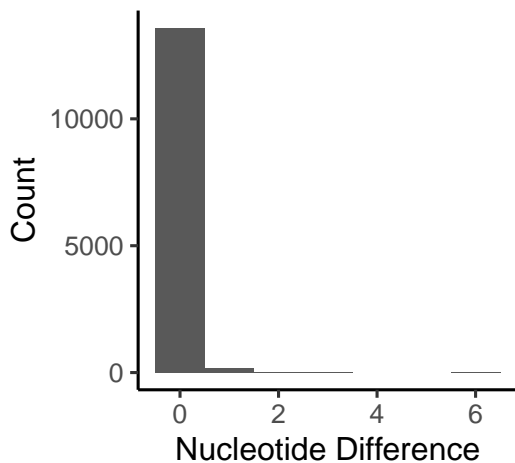
TRBV18*ap01

6414 sequences assigned
6372 (99.3%) exact matches, in which:
6299 unique CDR3
13 unique J



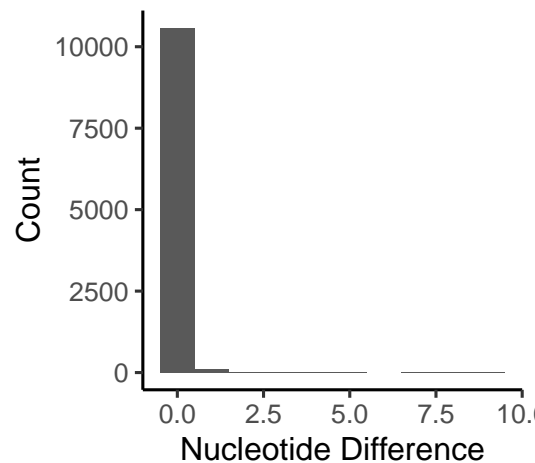
TRBV27*ap01

13784 sequences assigned
13589 (98.6%) exact matches, in which:
13147 unique CDR3
13 unique J



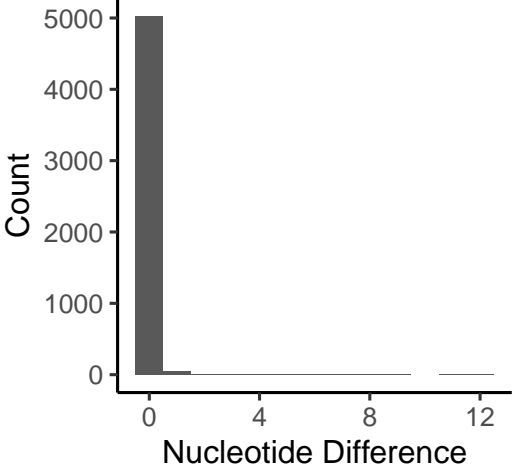
TRBV9*ap01

10711 sequences assigned
10581 (98.8%) exact matches, in which:
10362 unique CDR3
13 unique J



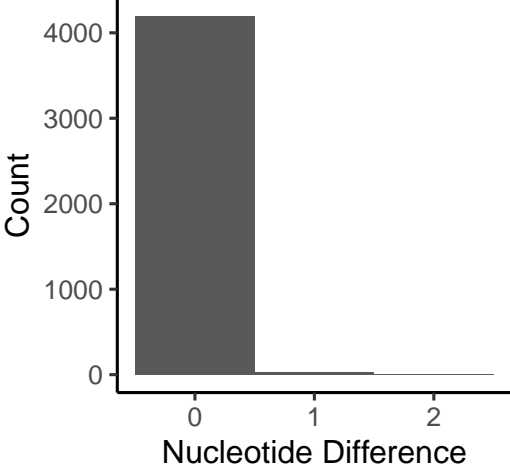
TRBV21-1*ap01

5109 sequences assigned
5022 (98.3%) exact matches, in which:
4953 unique CDR3
13 unique J



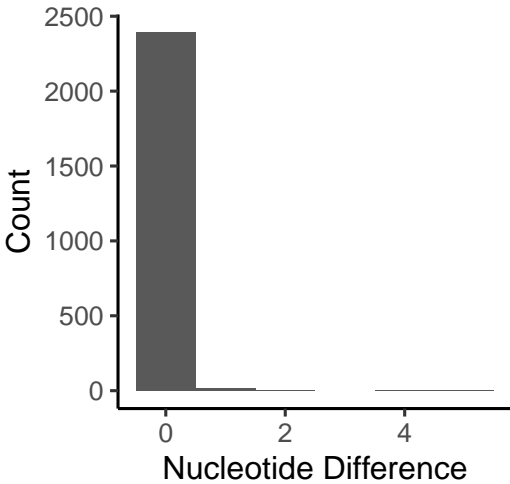
TRBV11-3*ap01

4225 sequences assigned
4192 (99.2%) exact matches, in which:
4130 unique CDR3
13 unique J



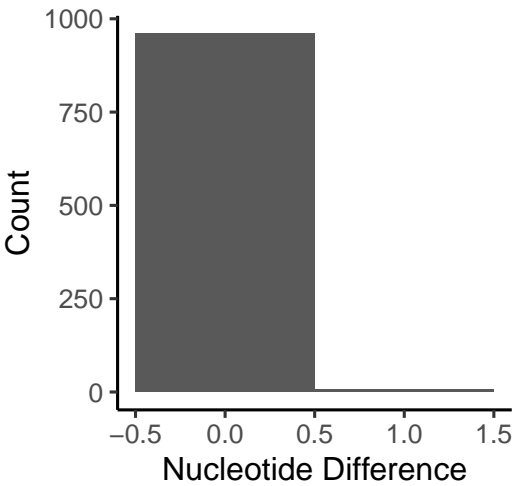
TRBV12-5*ap01

2417 sequences assigned
2392 (99%) exact matches, in which:
2336 unique CDR3
13 unique J



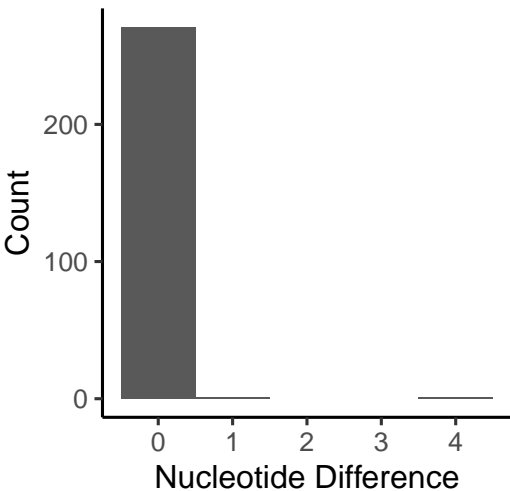
TRBV11-1*ap01

966 sequences assigned
960 (99.4%) exact matches, in which:
949 unique CDR3
13 unique J



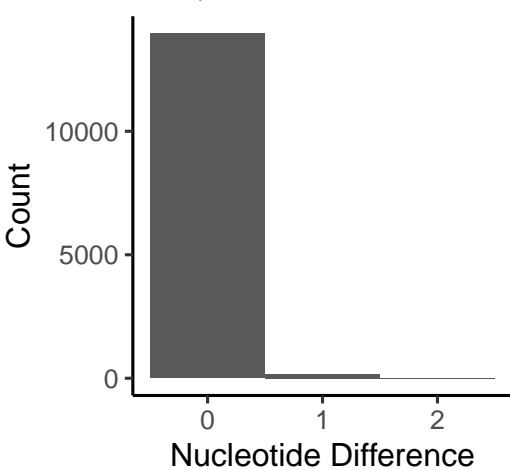
TRBV12-1*ap01

273 sequences assigned
271 (99.3%) exact matches, in which:
265 unique CDR3
13 unique J



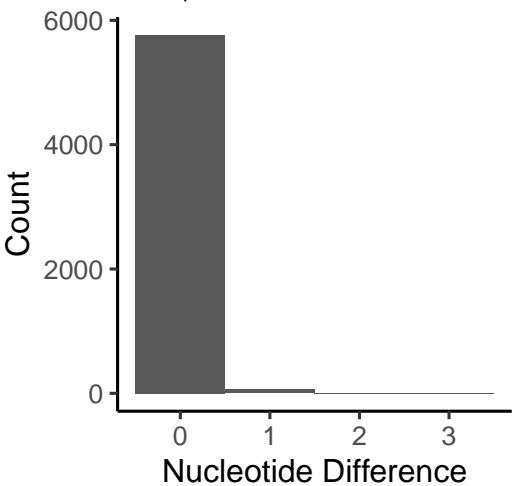
TRBV12-34*ap01

14148 sequences assigned
13961 (98.7%) exact matches, in which:
13635 unique CDR3
13 unique J



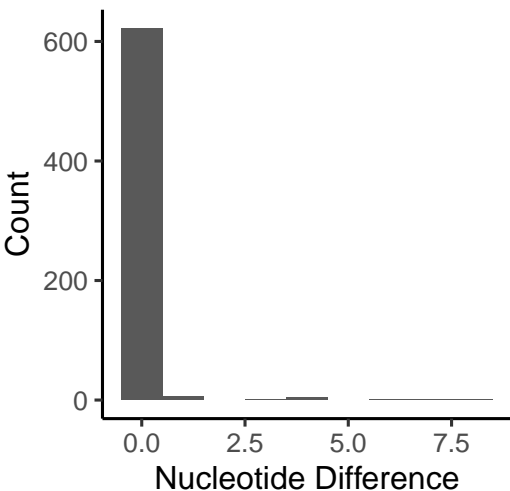
TRBV11-2*ap01

5824 sequences assigned
5763 (99%) exact matches, in which:
5673 unique CDR3
13 unique J



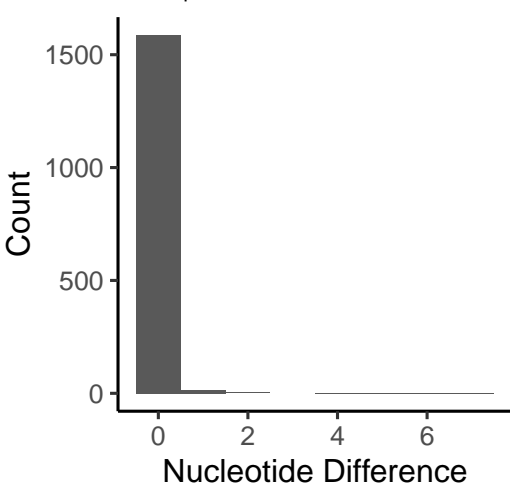
TRBV12-2*ap01

636 sequences assigned
622 (97.8%) exact matches, in which:
612 unique CDR3
13 unique J



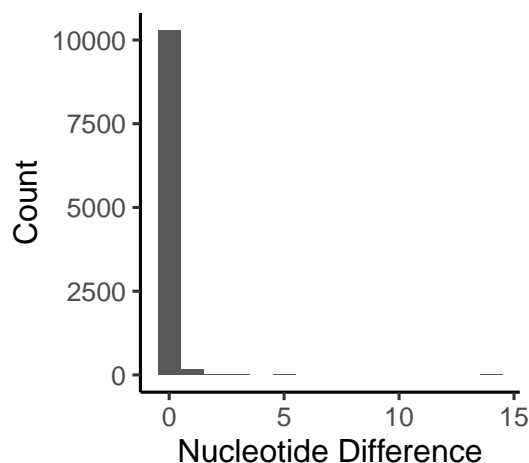
TRBV23-1*ap01

1610 sequences assigned
1587 (98.6%) exact matches, in which:
1554 unique CDR3
13 unique J



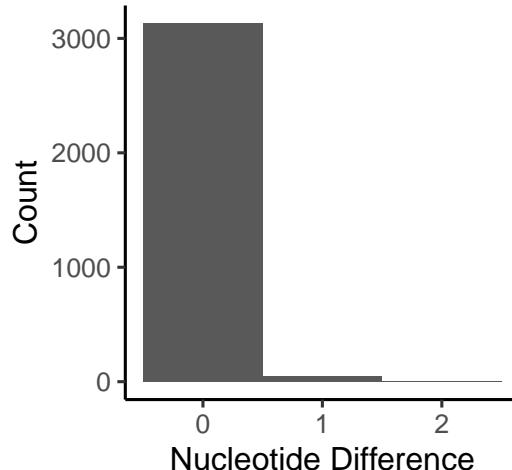
TRBV3-12*ap01

10464 sequences assigned
10294 (98.4%) exact matches, in which:
9994 unique CDR3
13 unique J



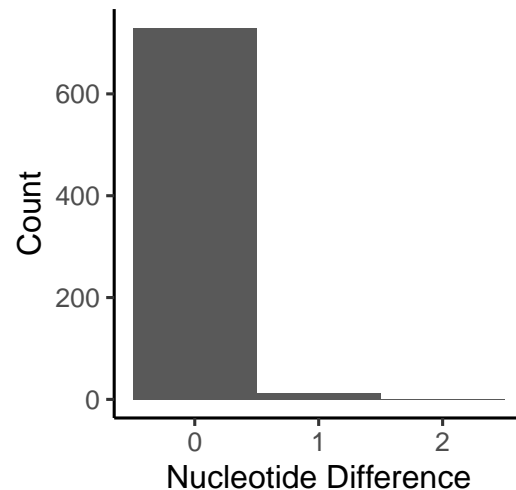
TRBV4-2*ap01

3178 sequences assigned
3131 (98.5%) exact matches, in which:
3017 unique CDR3
13 unique J



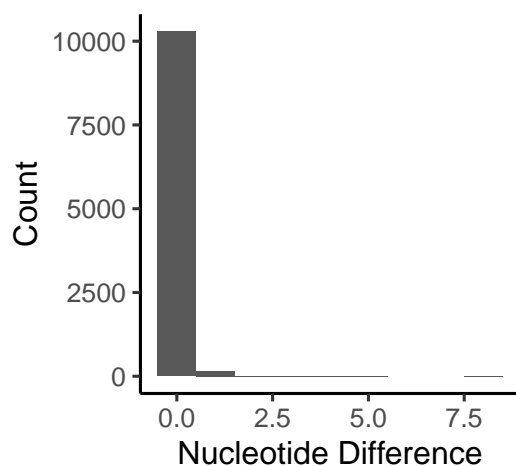
TRBV5-3*ap01

744 sequences assigned
730 (98.1%) exact matches, in which:
712 unique CDR3
13 unique J



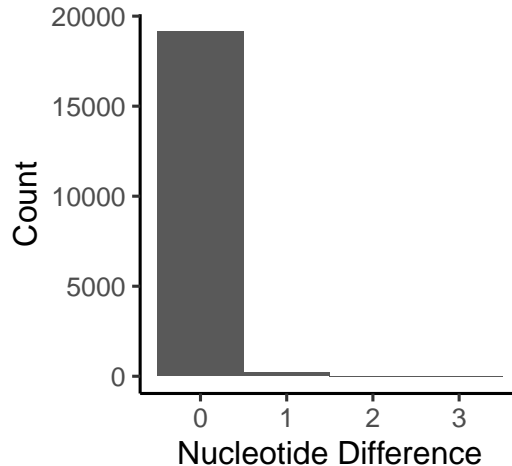
TRBV24-1*ap01

10456 sequences assigned
10290 (98.4%) exact matches, in which:
10050 unique CDR3
13 unique J



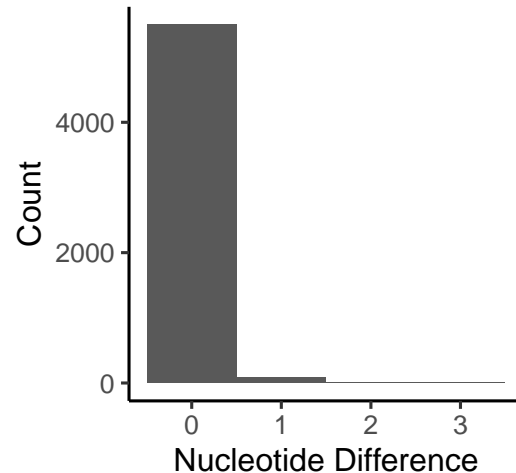
TRBV5-1*ap01

19375 sequences assigned
19149 (98.8%) exact matches, in which:
18575 unique CDR3
13 unique J



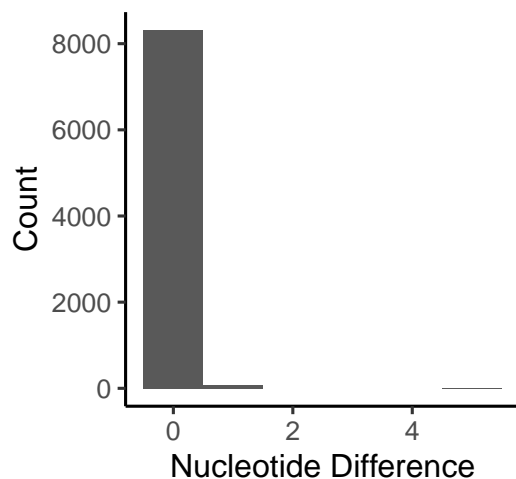
TRBV5-4*ap01

5585 sequences assigned
5497 (98.4%) exact matches, in which:
5326 unique CDR3
13 unique J



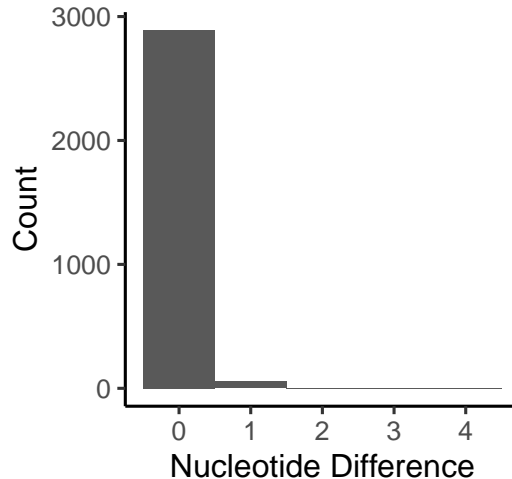
TRBV4-1*ap01

8394 sequences assigned
8316 (99.1%) exact matches, in which:
8011 unique CDR3
13 unique J



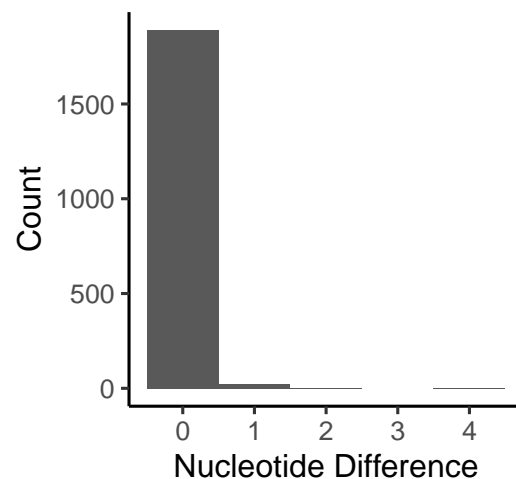
TRBV25-1*ap01

2954 sequences assigned
2891 (97.9%) exact matches, in which:
2801 unique CDR3
13 unique J



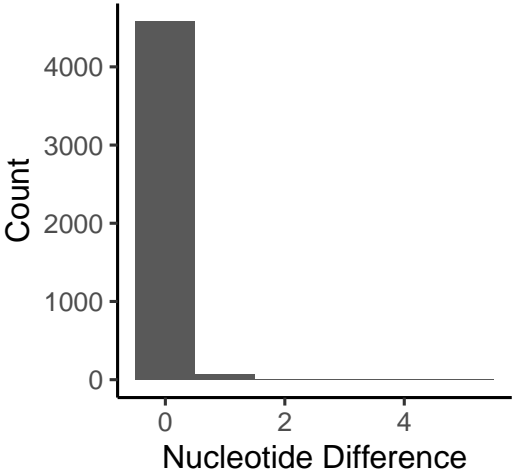
TRBV5-5*ap01

1917 sequences assigned
1890 (98.6%) exact matches, in which:
1870 unique CDR3
13 unique J



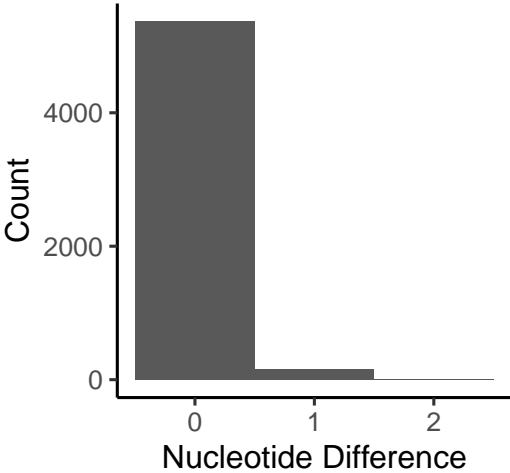
TRBV5-6*ap01

4654 sequences assigned
4581 (98.4%) exact matches, in which:
4413 unique CDR3
13 unique J



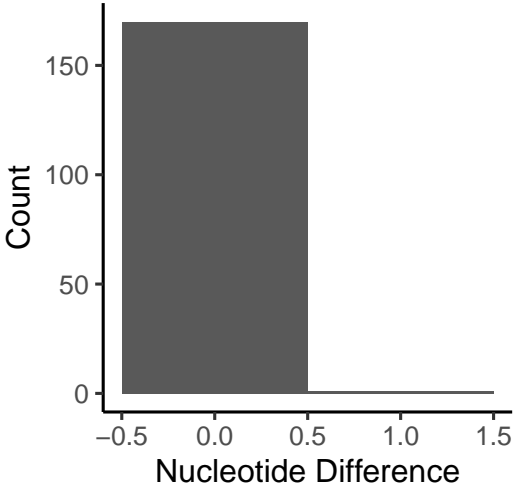
TRBV6-1*ap01

5530 sequences assigned
5369 (97.1%) exact matches, in which:
5199 unique CDR3
13 unique J



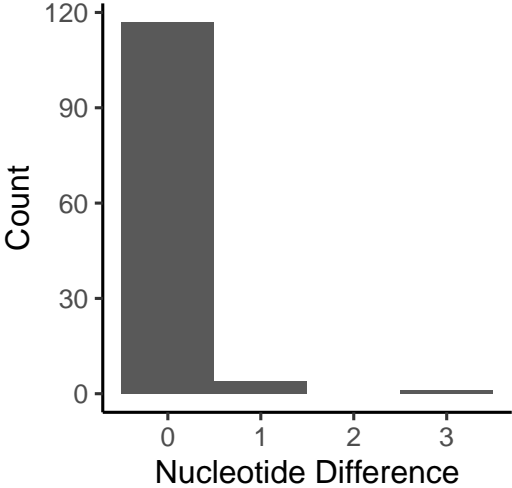
TRBV6-8*ap01

171 sequences assigned
170 (99.4%) exact matches, in which:
169 unique CDR3
13 unique J



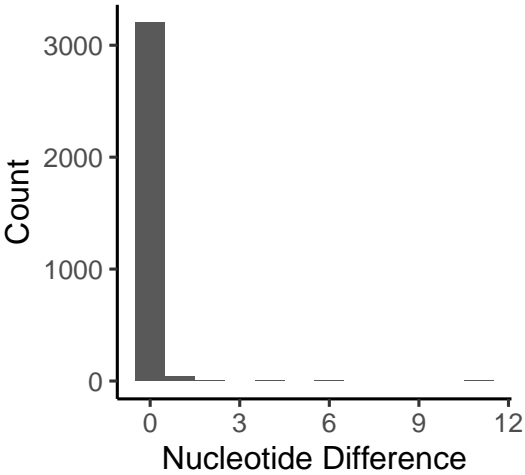
TRBV5-7*ap01

122 sequences assigned
117 (95.9%) exact matches, in which:
113 unique CDR3
12 unique J



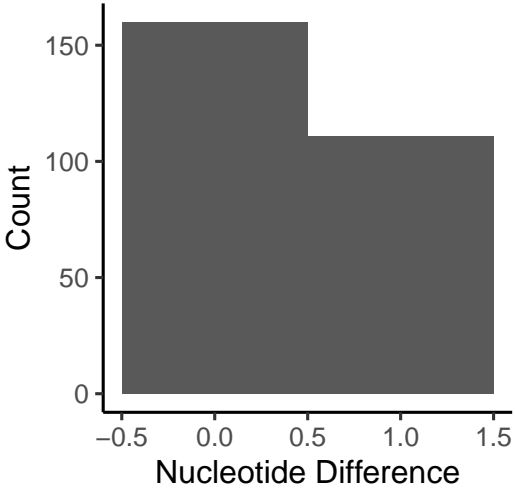
TRBV6-4*ap01

3250 sequences assigned
3201 (98.5%) exact matches, in which:
3148 unique CDR3
13 unique J



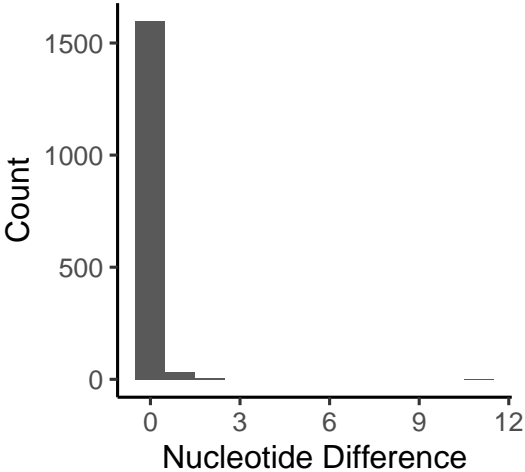
TRBV6-9*ap01

271 sequences assigned
160 (59%) exact matches, in which:
149 unique CDR3
13 unique J



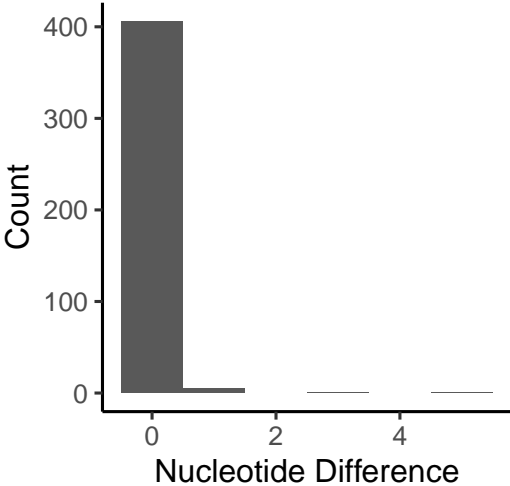
TRBV5-8*ap01

1638 sequences assigned
1598 (97.6%) exact matches, in which:
1571 unique CDR3
13 unique J



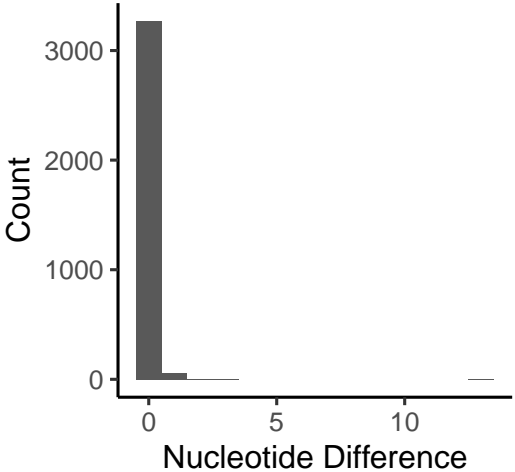
TRBV6-7*ap01

413 sequences assigned
406 (98.3%) exact matches, in which:
394 unique CDR3
13 unique J



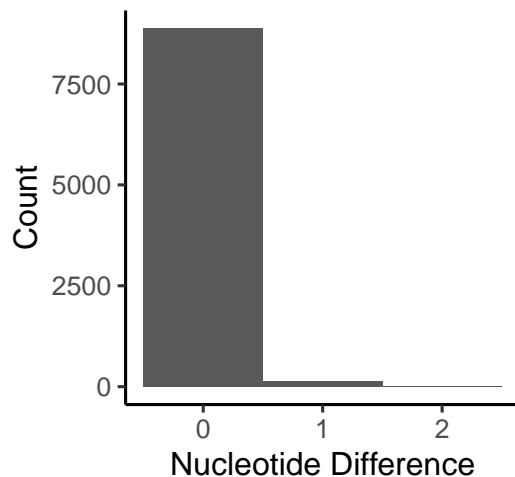
TRBV6-23*ap01

3330 sequences assigned
3269 (98.2%) exact matches, in which:
3132 unique CDR3
13 unique J



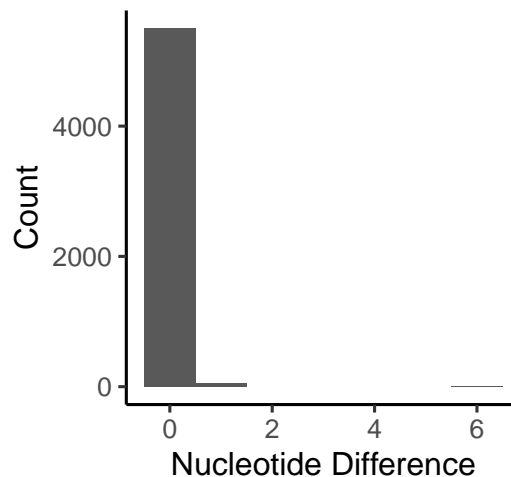
TRBV6-56*ap01

9021 sequences assigned
8877 (98.4%) exact matches, in which:
8546 unique CDR3
13 unique J



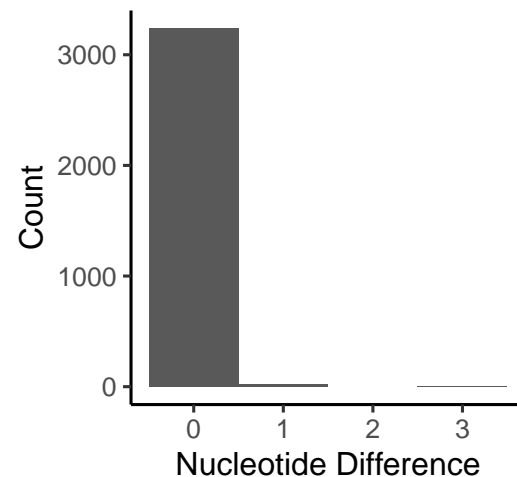
TRBV7-2*ap01

5556 sequences assigned
5500 (99%) exact matches, in which:
5384 unique CDR3
13 unique J



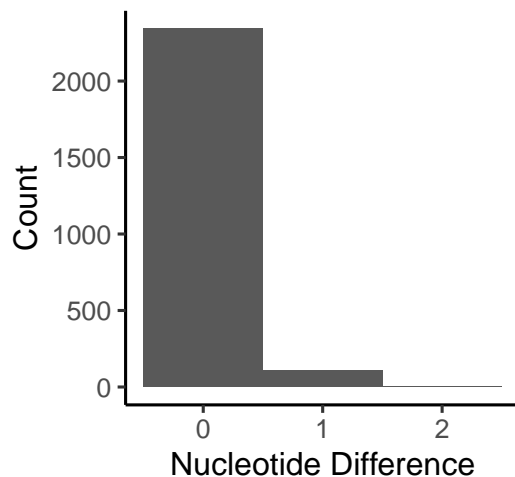
TRBV7-6*ap01

3261 sequences assigned
3238 (99.3%) exact matches, in which:
3160 unique CDR3
13 unique J



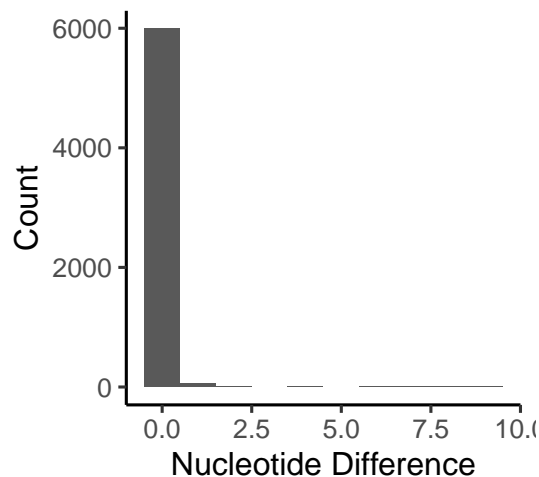
TRBV6-56*ap02

2454 sequences assigned
2342 (95.4%) exact matches, in which:
2268 unique CDR3
13 unique J



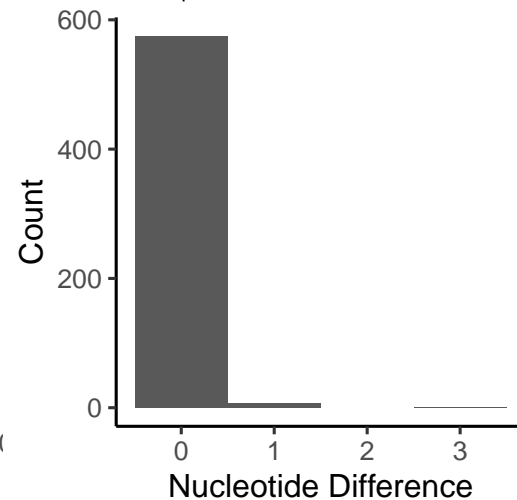
TRBV7-3*ap01

6057 sequences assigned
5992 (98.9%) exact matches, in which:
5909 unique CDR3
13 unique J



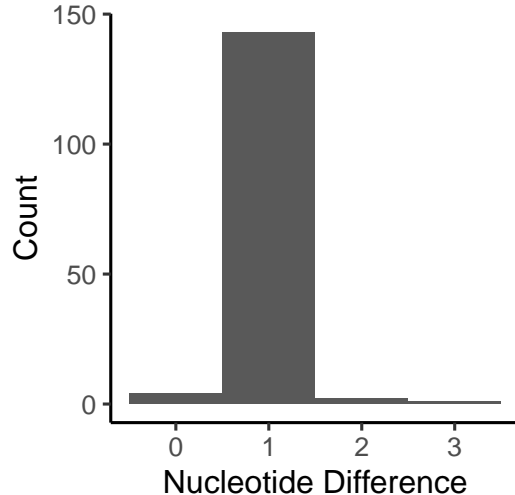
TRBV7-7*ap01

583 sequences assigned
575 (98.6%) exact matches, in which:
560 unique CDR3
13 unique J



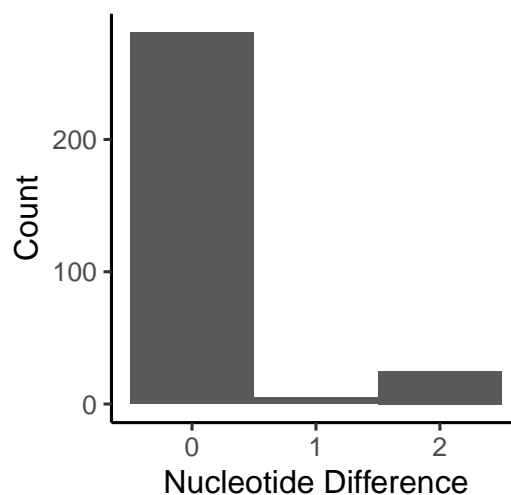
TRBV7-1*ap01_T296C

150 sequences assigned
4 (2.7%) exact matches, in which:
4 unique CDR3
4 unique J



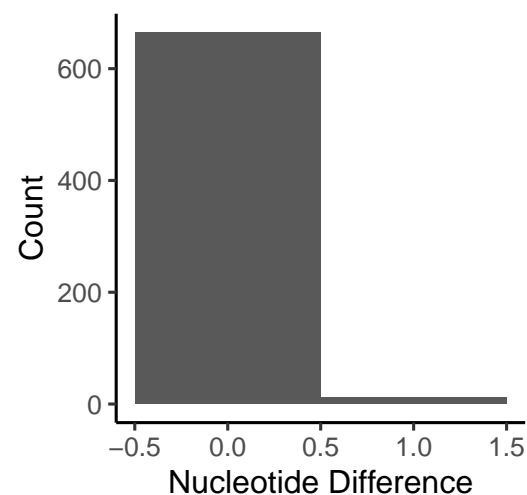
TRBV7-4*ap01

311 sequences assigned
281 (90.4%) exact matches, in which:
273 unique CDR3
13 unique J



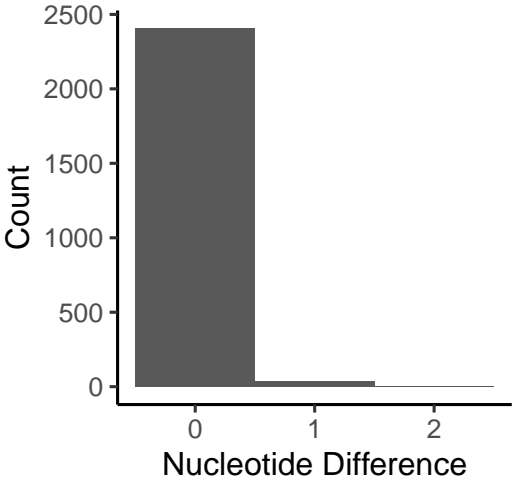
TRBV7-7*ap01_C315T

677 sequences assigned
665 (98.2%) exact matches, in which:
651 unique CDR3
13 unique J



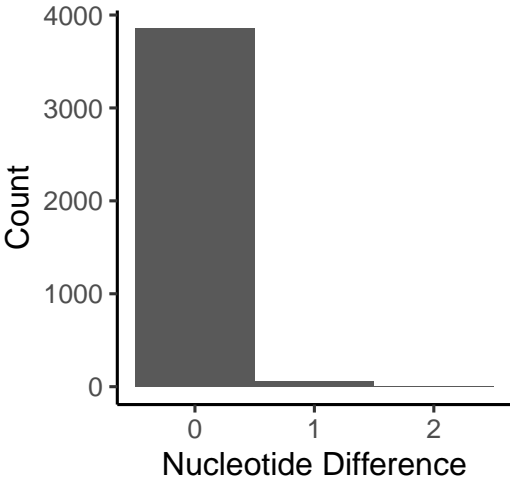
TRBV7-8*ap01

2444 sequences assigned
2406 (98.4%) exact matches, in which:
2328 unique CDR3
13 unique J



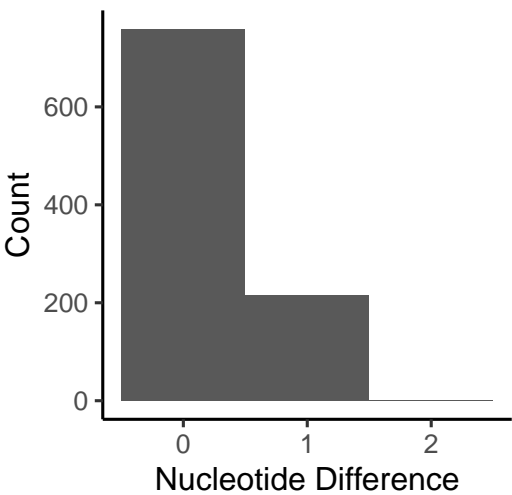
TRBV29-1*ap01

3918 sequences assigned
3856 (98.4%) exact matches, in which:
3729 unique CDR3
13 unique J



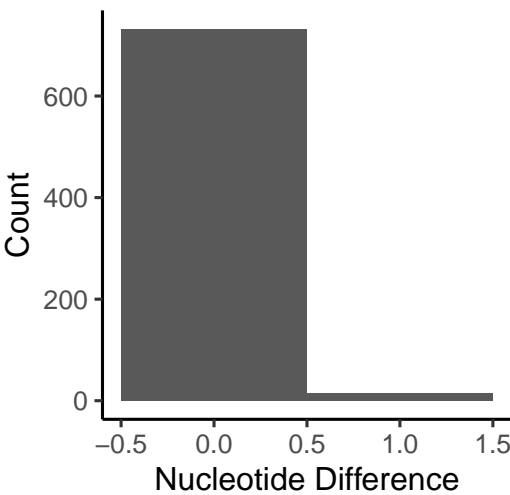
TRBV7-8*ap03

976 sequences assigned
759 (77.8%) exact matches, in which:
731 unique CDR3
13 unique J



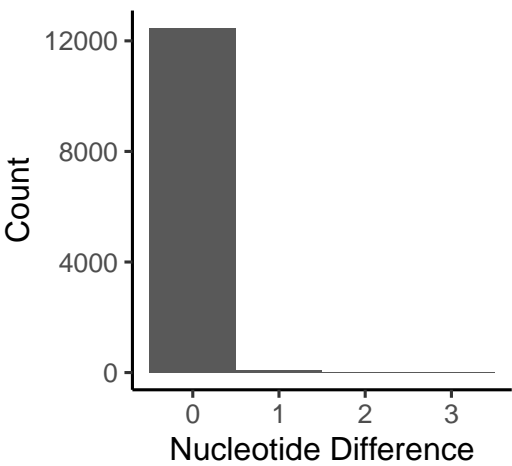
TRBV29-1*ap02

746 sequences assigned
732 (98.1%) exact matches, in which:
708 unique CDR3
13 unique J

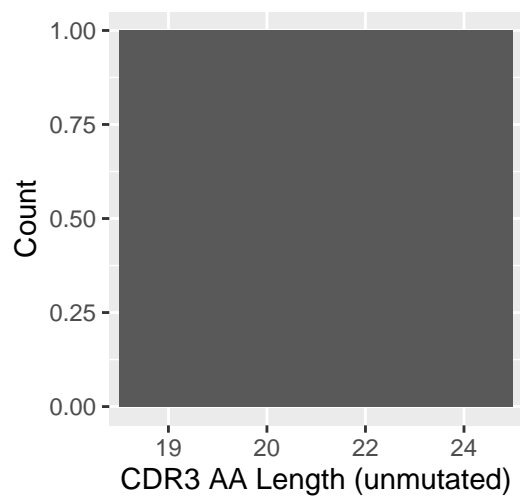


TRBV7-9*ap01

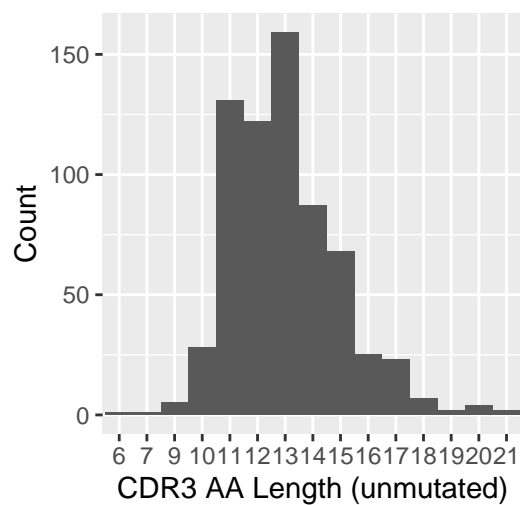
12578 sequences assigned
12473 (99.2%) exact matches, in which:
12241 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]