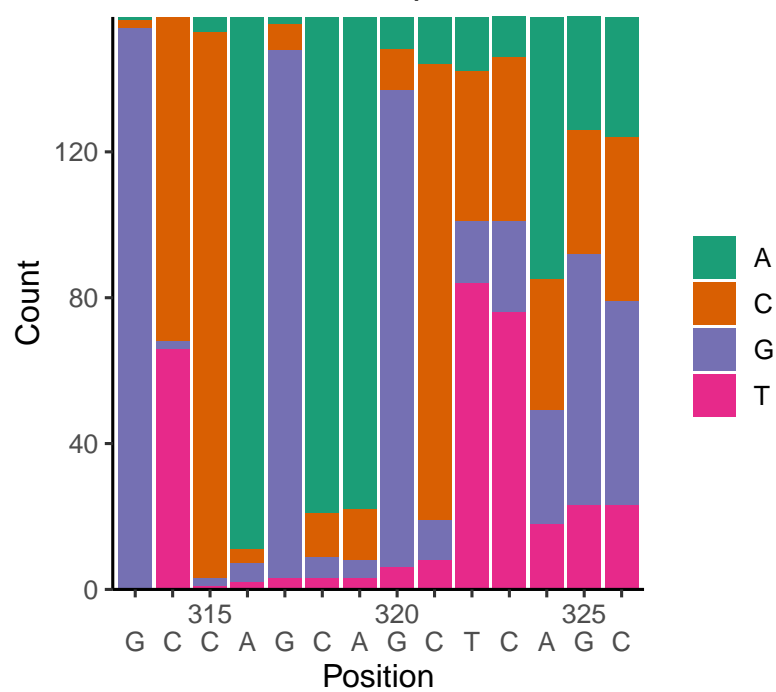
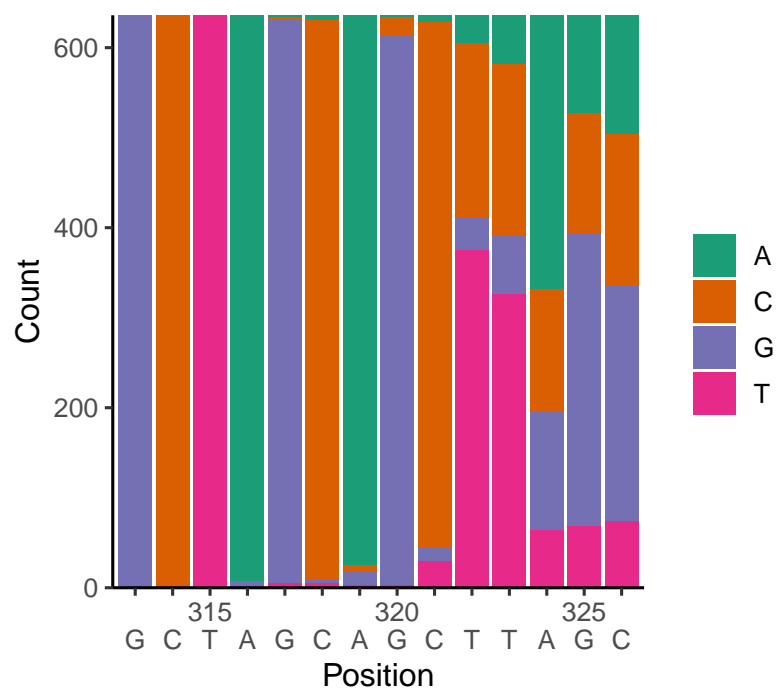


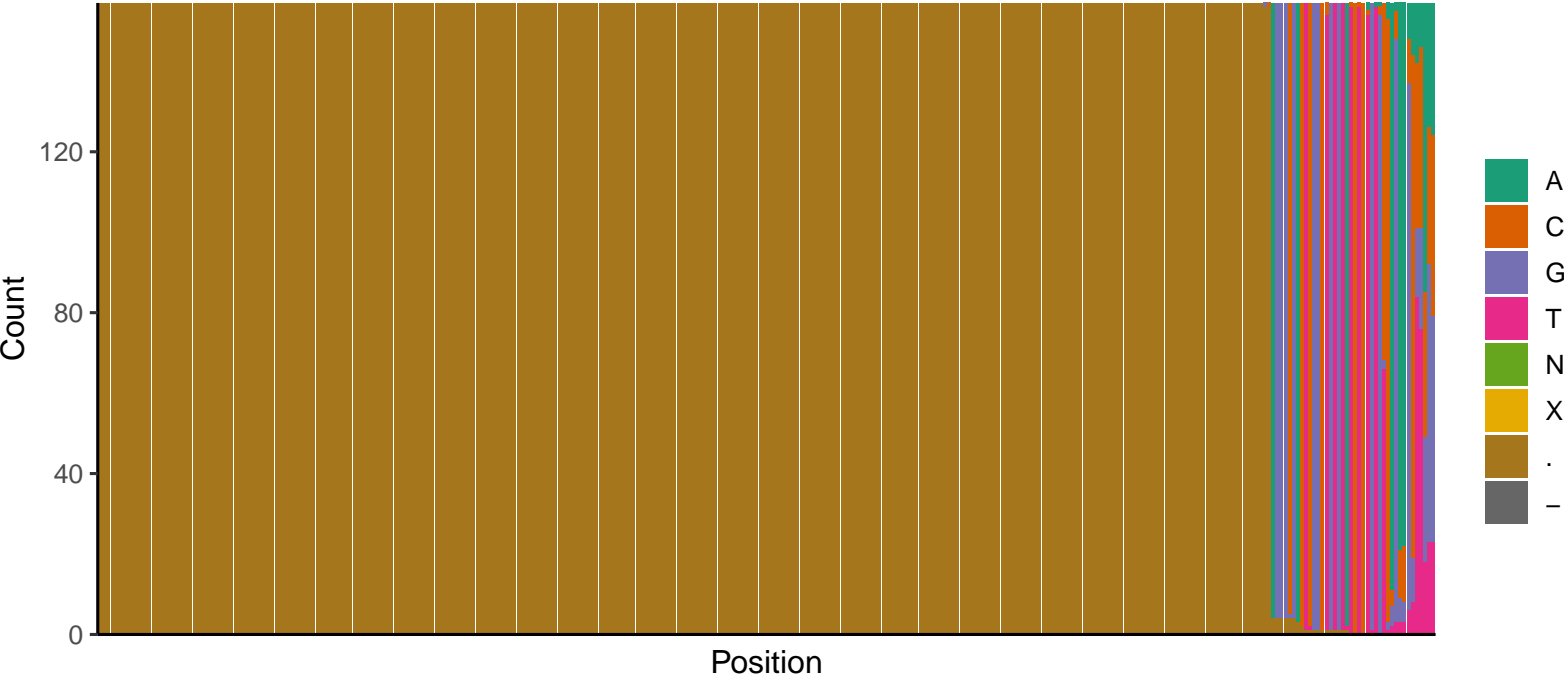
Gene TRBV7-1*ap01_G291C_T296C



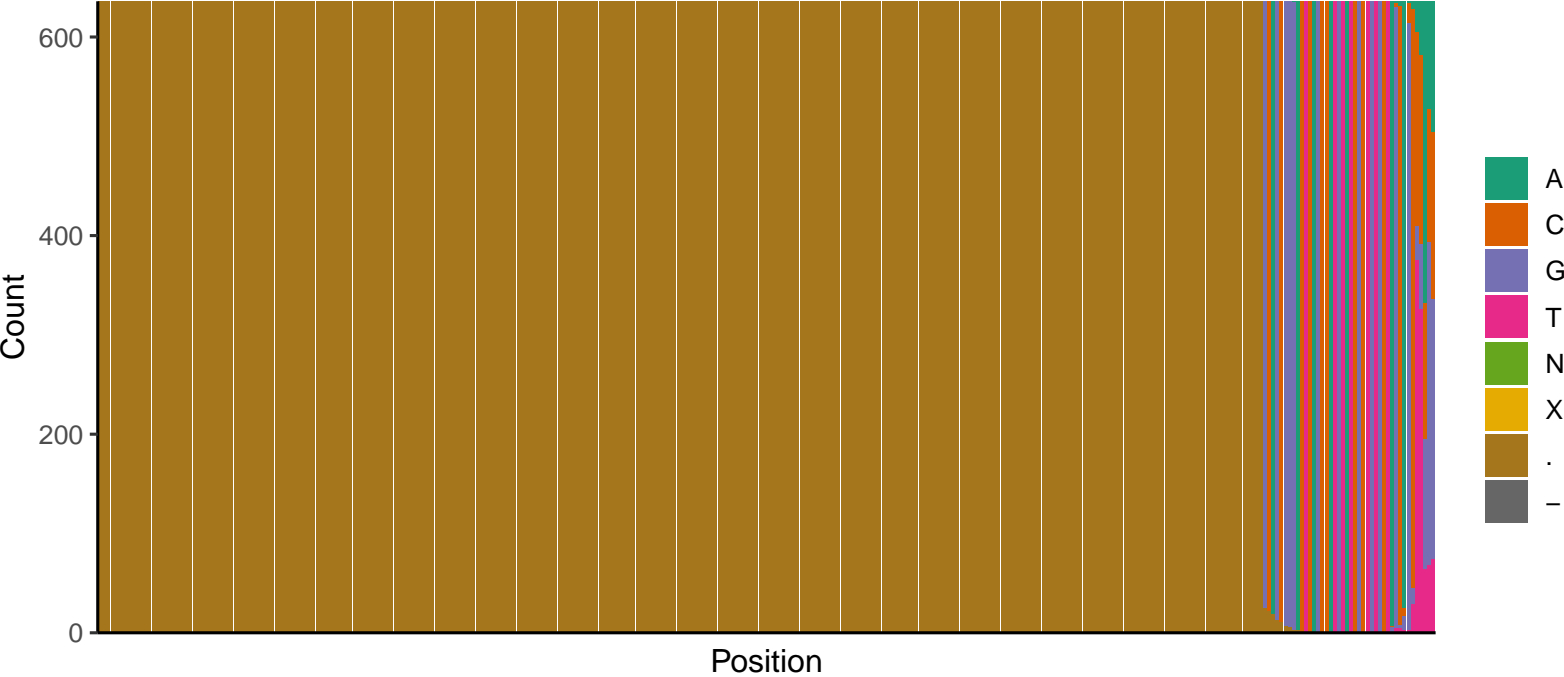
Gene TRBV7-7*ap01_C315T



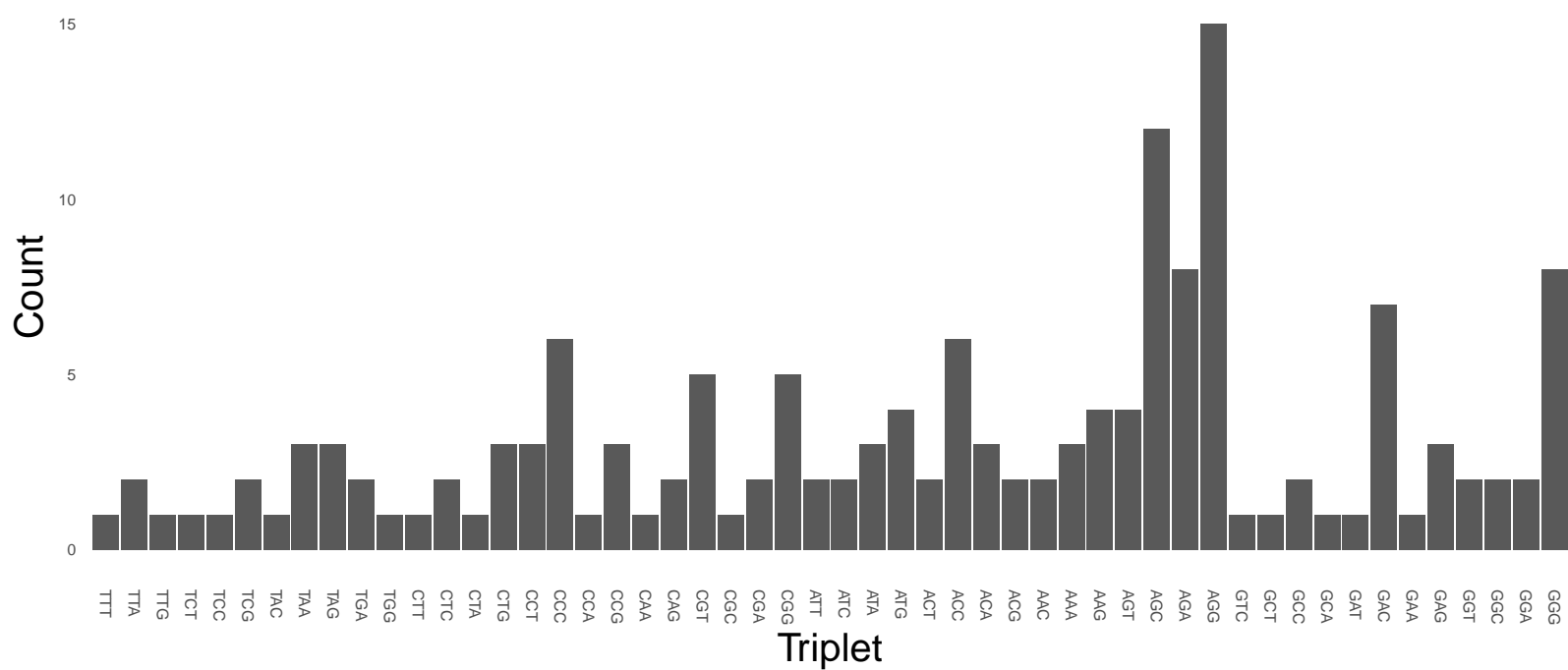
Gene TRBV7-1*ap01_G291C_T296C



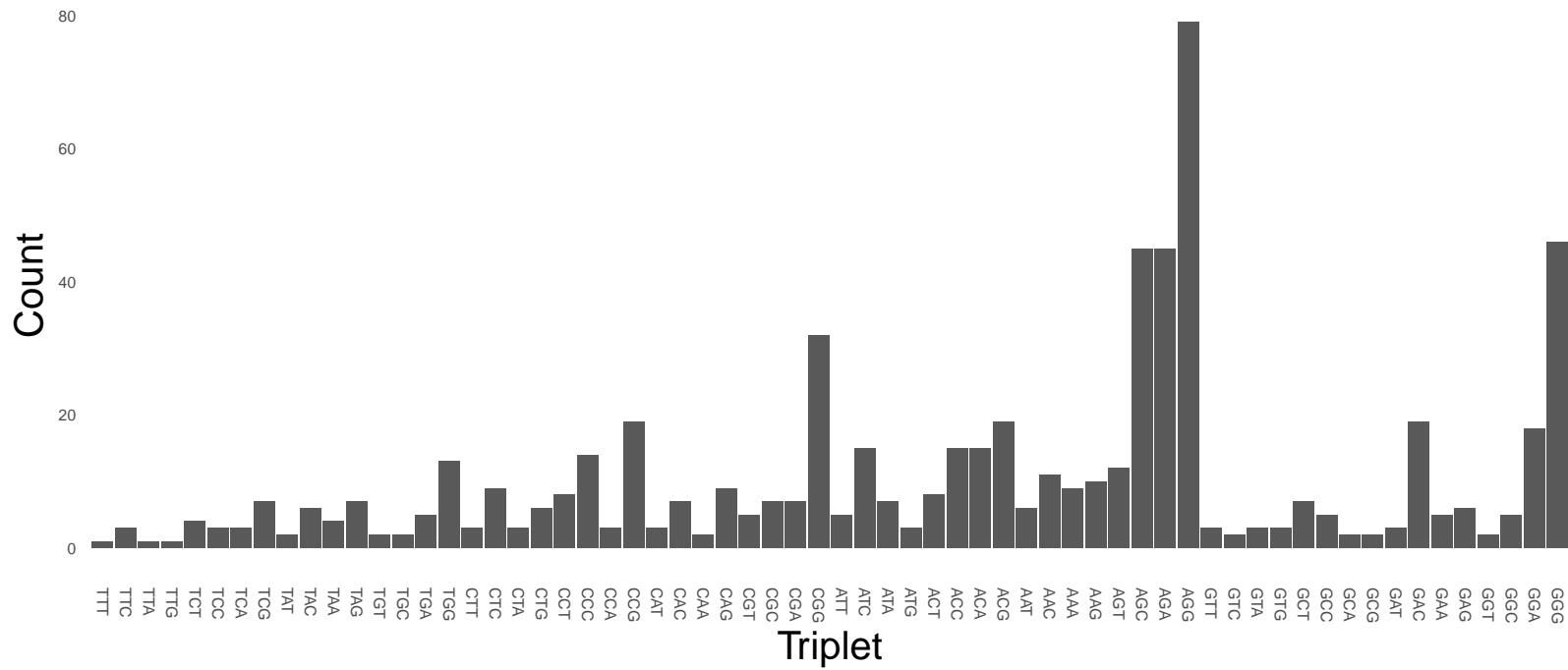
Gene TRBV7-7*ap01_C315T



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

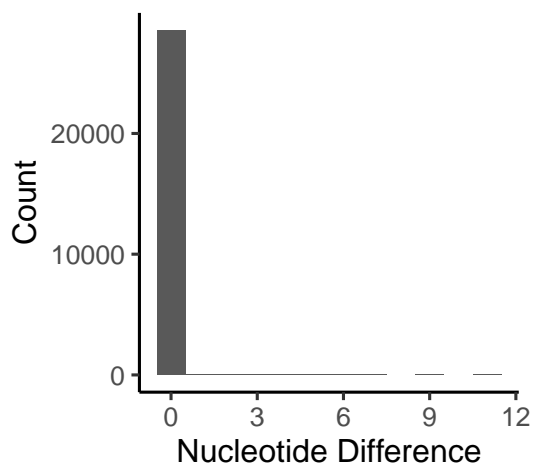


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



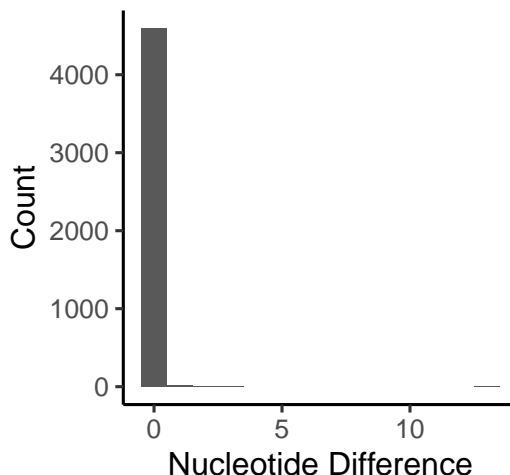
TRBV20-1*ap01

28631 sequences assigned
28557 (99.7%) exact matches, in which:
28545 unique CDR3
13 unique J



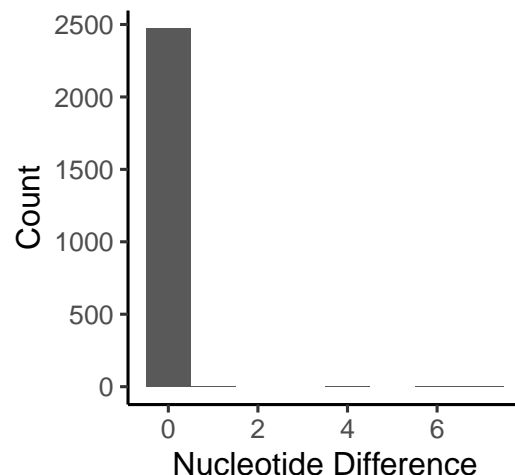
TRBV10-3*ap01

4611 sequences assigned
4594 (99.6%) exact matches, in which:
4594 unique CDR3
13 unique J



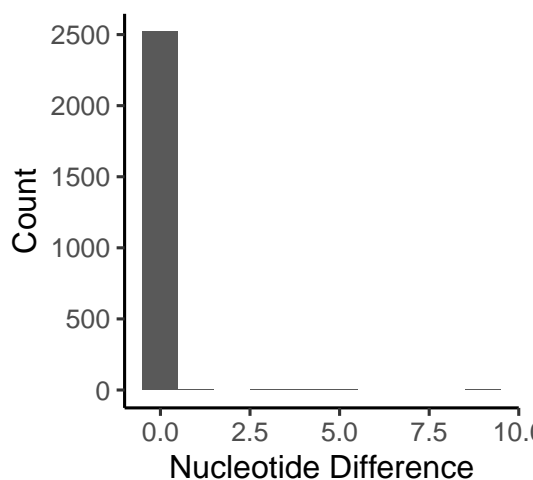
TRBV14*ap01

2477 sequences assigned
2473 (99.8%) exact matches, in which:
2473 unique CDR3
13 unique J



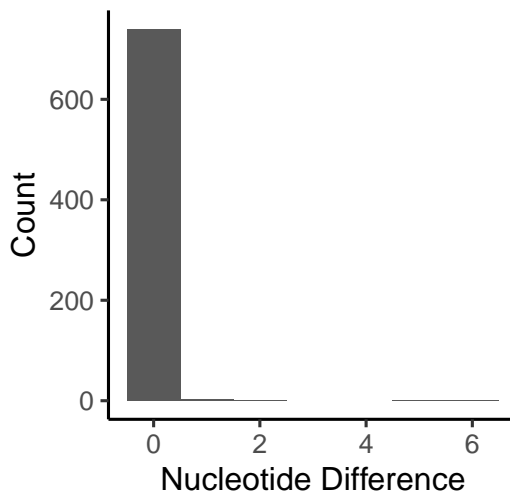
TRBV10-1*ap01

2526 sequences assigned
2520 (99.8%) exact matches, in which:
2520 unique CDR3
13 unique J



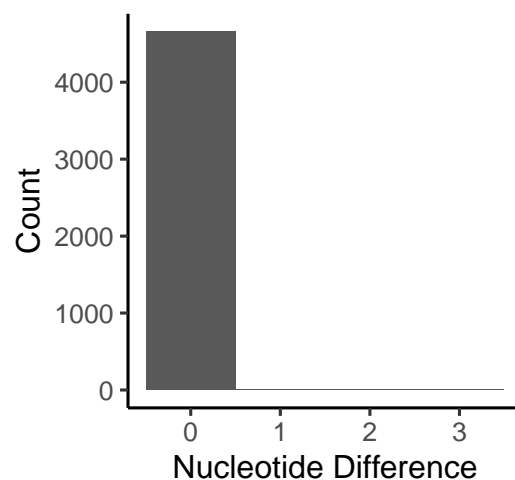
TRBV1*ap01

745 sequences assigned
740 (99.3%) exact matches, in which:
740 unique CDR3
13 unique J



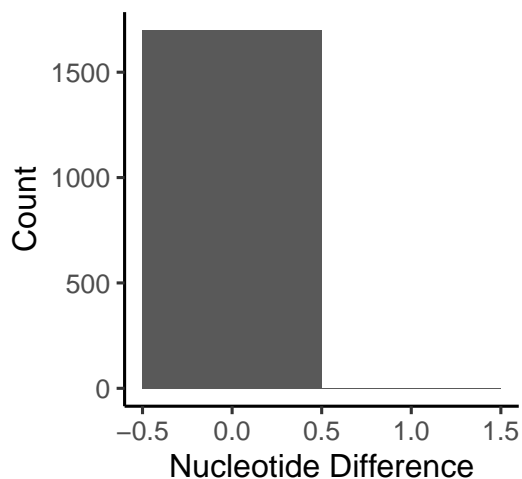
TRBV15*ap02

4662 sequences assigned
4656 (99.9%) exact matches, in which:
4653 unique CDR3
13 unique J



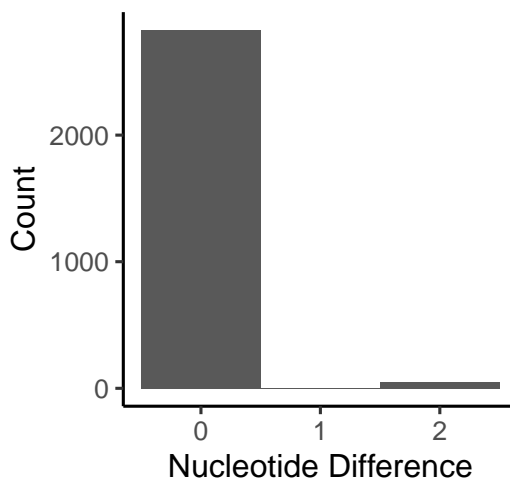
TRBV10-2*ap01

1702 sequences assigned
1700 (99.9%) exact matches, in which:
1699 unique CDR3
13 unique J



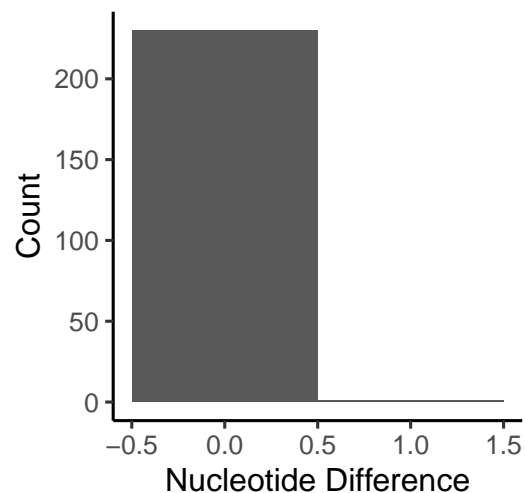
TRBV13*ap01

2885 sequences assigned
2830 (98.1%) exact matches, in which:
2828 unique CDR3
13 unique J



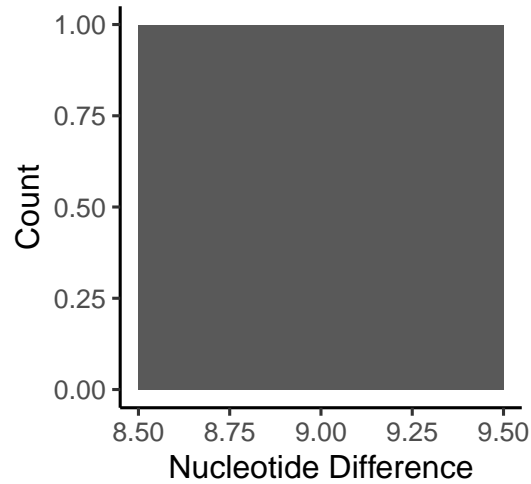
TRBV16*ap01

231 sequences assigned
230 (99.6%) exact matches, in which:
230 unique CDR3
13 unique J



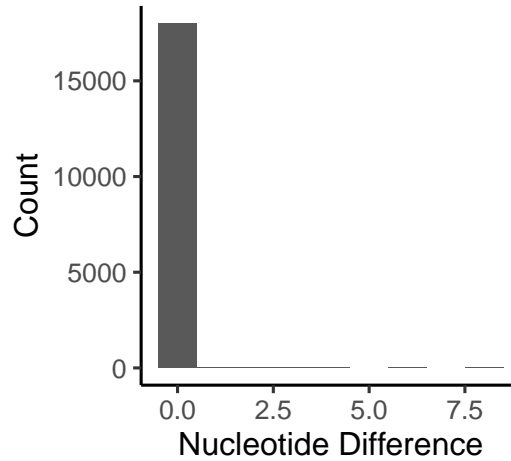
TRBV17*ap01

1 sequences assigned
No exact matches.



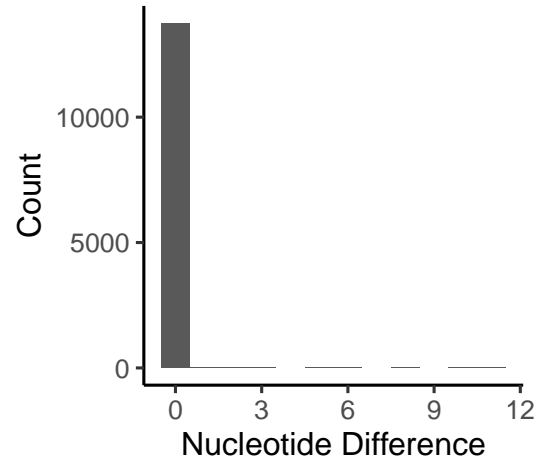
TRBV2*ap01

18050 sequences assigned
18014 (99.8%) exact matches, in which:
18000 unique CDR3
13 unique J



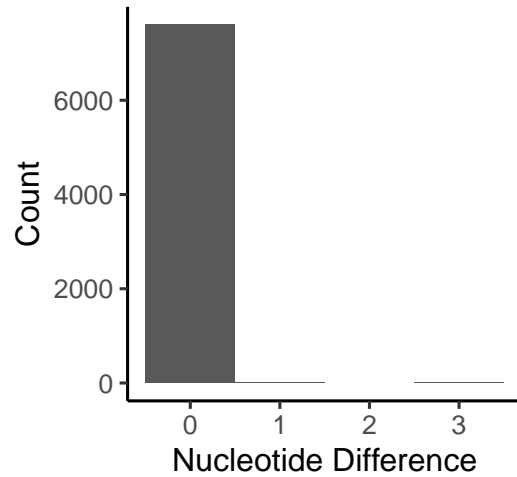
TRBV30*ap01

13799 sequences assigned
13749 (99.6%) exact matches, in which:
13729 unique CDR3
13 unique J



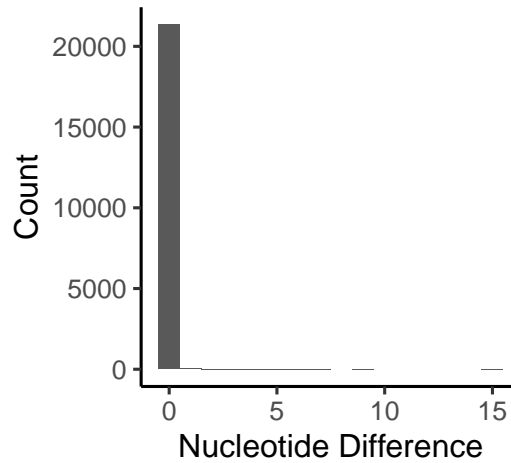
TRBV18*ap01

7614 sequences assigned
7603 (99.9%) exact matches, in which:
7600 unique CDR3
13 unique J



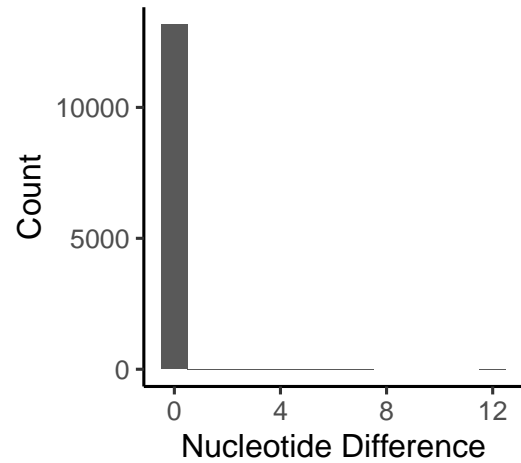
TRBV27*ap01

21436 sequences assigned
21355 (99.6%) exact matches, in which:
21332 unique CDR3
13 unique J



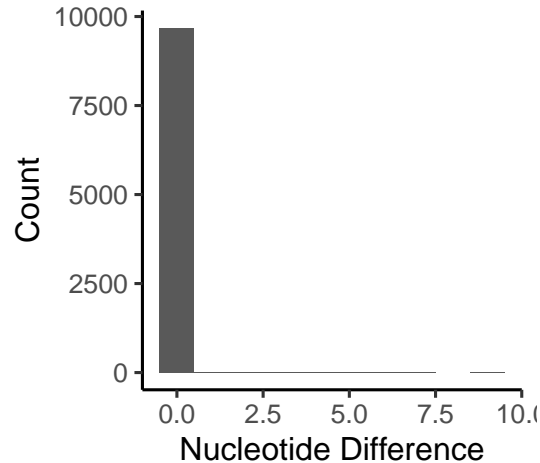
TRBV9*ap01

13194 sequences assigned
13167 (99.8%) exact matches, in which:
13165 unique CDR3
13 unique J



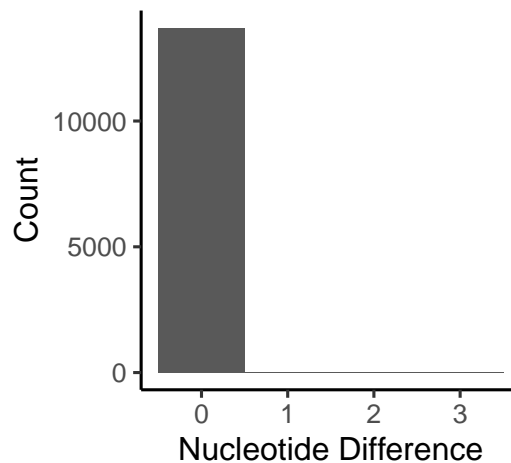
TRBV19*ap01

9722 sequences assigned
9683 (99.6%) exact matches, in which:
9683 unique CDR3
13 unique J



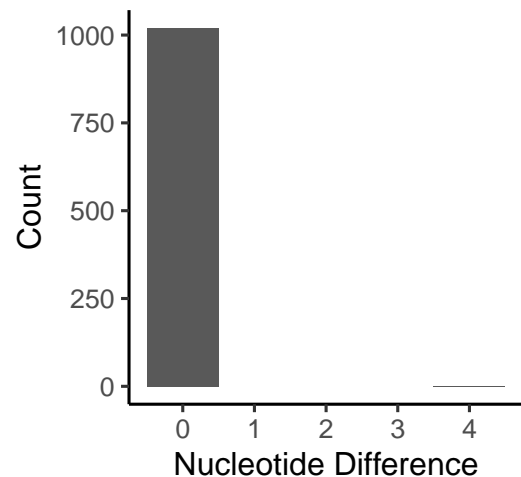
TRBV28*ap01

13725 sequences assigned
13707 (99.9%) exact matches, in which:
13705 unique CDR3
13 unique J



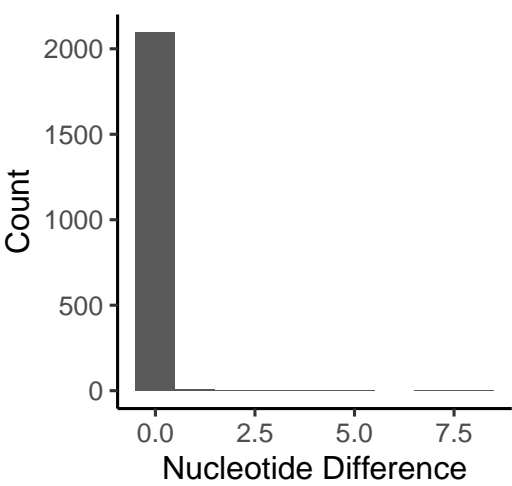
TRBV11-1*ap01

1021 sequences assigned
1020 (99.9%) exact matches, in which:
1020 unique CDR3
13 unique J



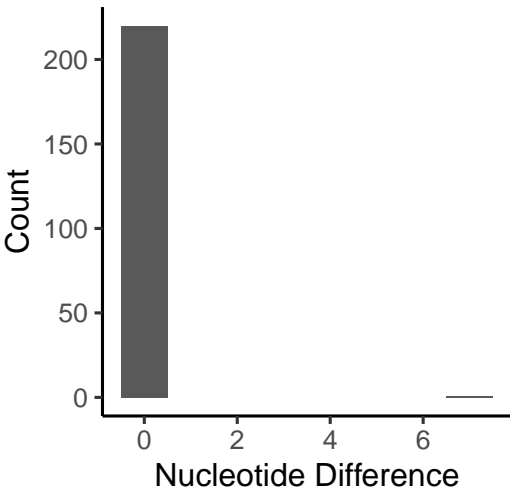
TRBV21-1*ap01

2120 sequences assigned
2096 (98.9%) exact matches, in which:
2095 unique CDR3
13 unique J



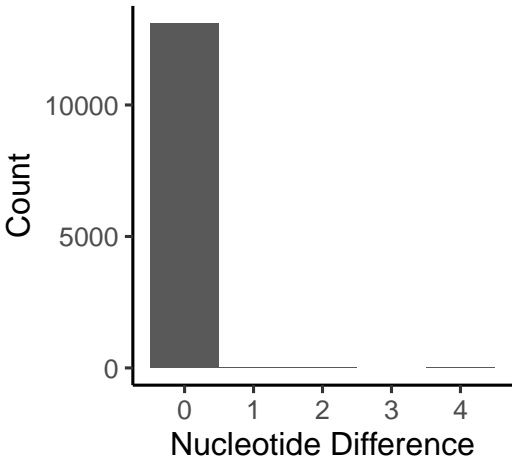
TRBV12-1*ap01

221 sequences assigned
220 (99.5%) exact matches, in which:
220 unique CDR3
13 unique J



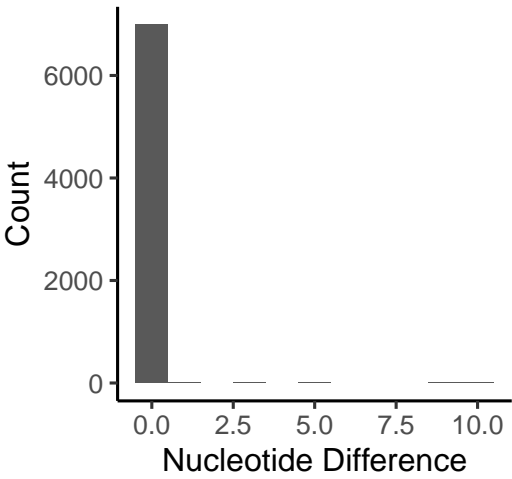
TRBV12-34*ap01

13135 sequences assigned
13112 (99.8%) exact matches, in which:
13110 unique CDR3
13 unique J



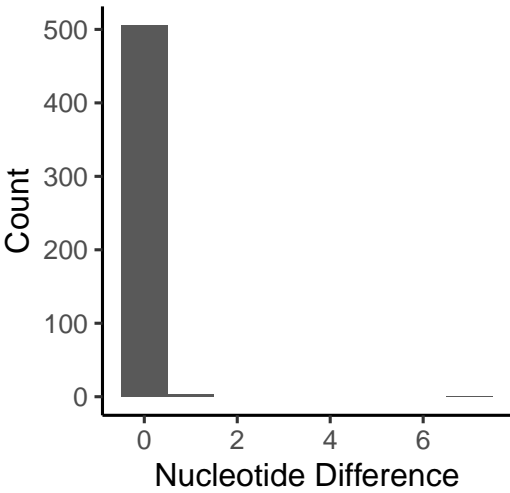
TRBV11-2*ap01

7001 sequences assigned
6990 (99.8%) exact matches, in which:
6990 unique CDR3
13 unique J



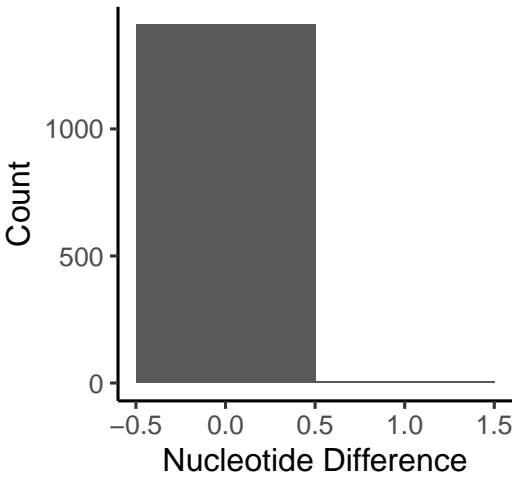
TRBV12-2*ap01

511 sequences assigned
506 (99%) exact matches, in which:
506 unique CDR3
13 unique J



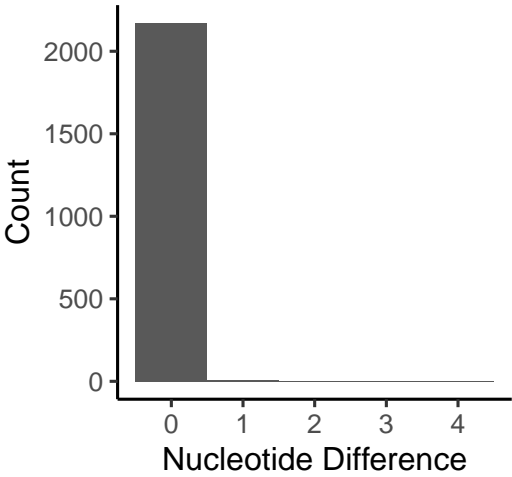
TRBV23-1*ap01

1416 sequences assigned
1410 (99.6%) exact matches, in which:
1410 unique CDR3
13 unique J



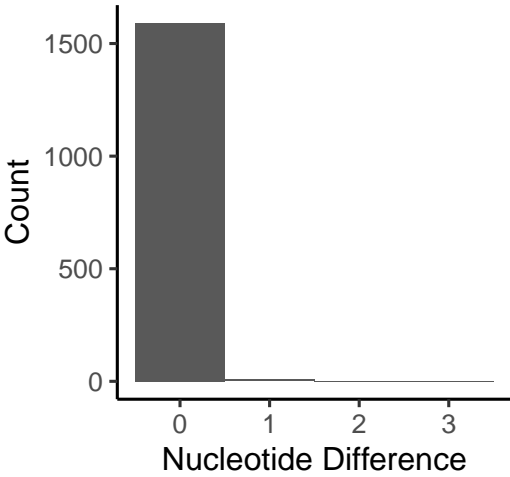
TRBV11-3*ap01

2182 sequences assigned
2171 (99.5%) exact matches, in which:
2171 unique CDR3
13 unique J



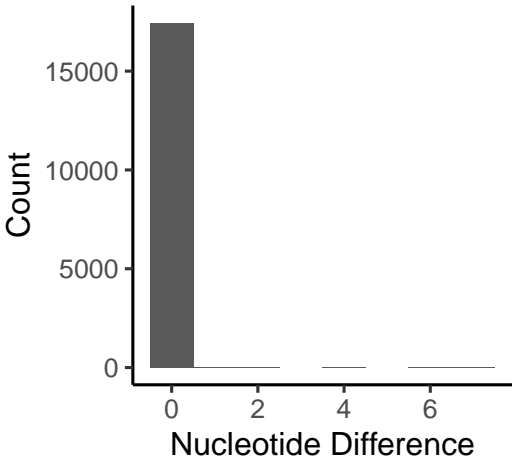
TRBV12-5*ap01

1603 sequences assigned
1591 (99.3%) exact matches, in which:
1591 unique CDR3
13 unique J



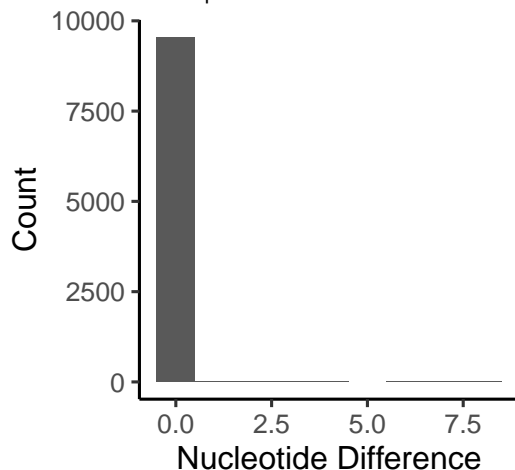
TRBV3-12*ap01

17494 sequences assigned
17445 (99.7%) exact matches, in which:
17419 unique CDR3
13 unique J



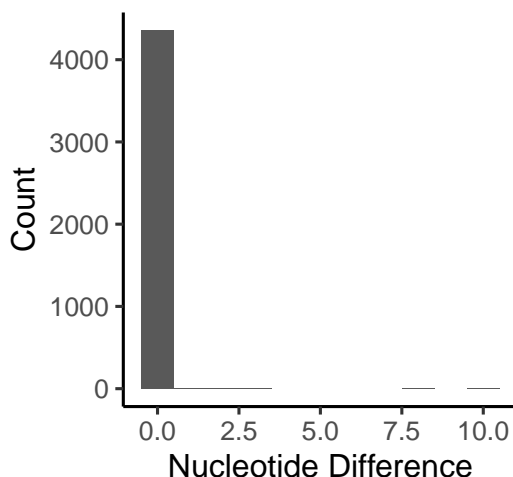
TRBV24-1*ap01

9590 sequences assigned
9548 (99.6%) exact matches, in which:
9537 unique CDR3
13 unique J



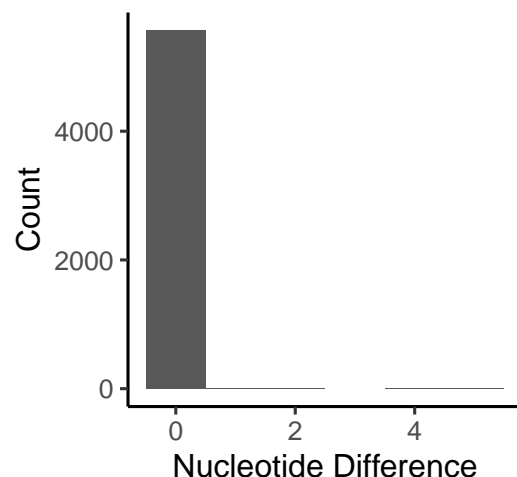
TRBV25-1*ap01

4374 sequences assigned
4356 (99.6%) exact matches, in which:
4353 unique CDR3
13 unique J



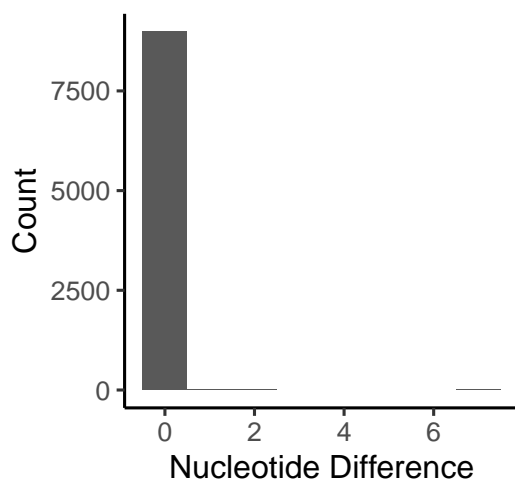
TRBV5-4*ap01

5581 sequences assigned
5566 (99.7%) exact matches, in which:
5566 unique CDR3
13 unique J



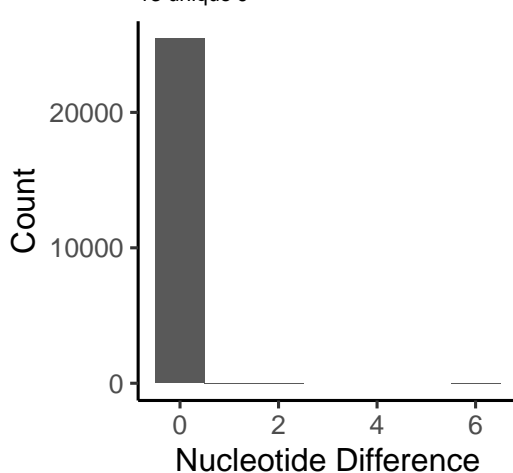
TRBV4-1*ap01

8998 sequences assigned
8984 (99.8%) exact matches, in which:
8982 unique CDR3
13 unique J



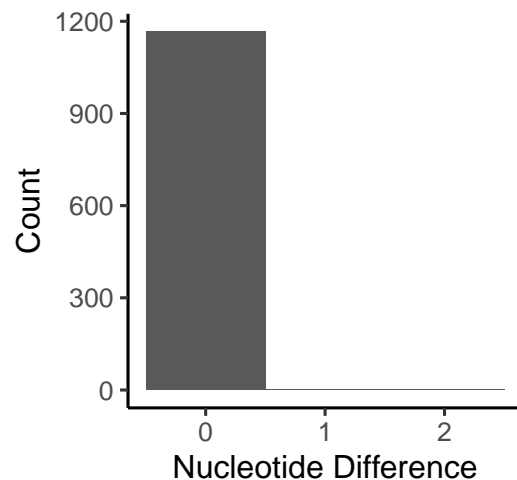
TRBV5-1*ap01

25494 sequences assigned
25459 (99.9%) exact matches, in which:
25444 unique CDR3
13 unique J



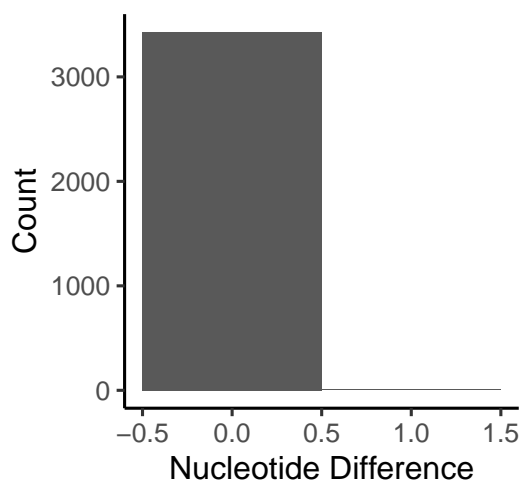
TRBV5-5*ap01

1169 sequences assigned
1166 (99.7%) exact matches, in which:
1164 unique CDR3
13 unique J



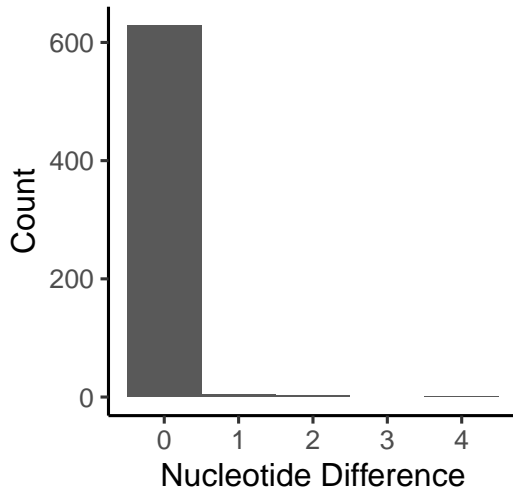
TRBV4-2*ap01

3437 sequences assigned
3429 (99.8%) exact matches, in which:
3427 unique CDR3
13 unique J



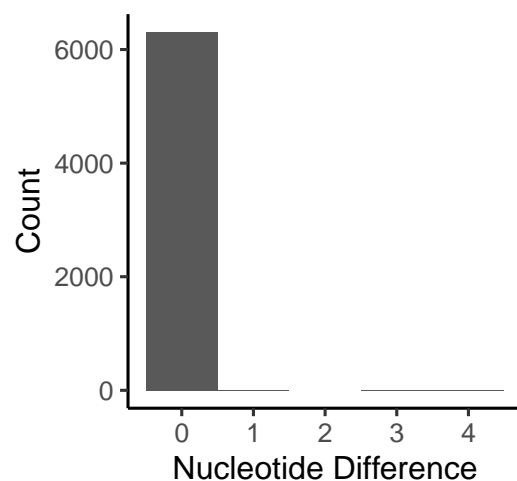
TRBV5-3*ap01

636 sequences assigned
629 (98.9%) exact matches, in which:
629 unique CDR3
13 unique J



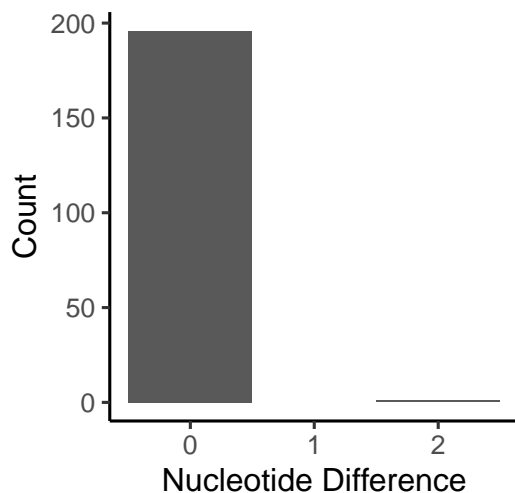
TRBV5-6*ap01

6321 sequences assigned
6308 (99.8%) exact matches, in which:
6299 unique CDR3
13 unique J



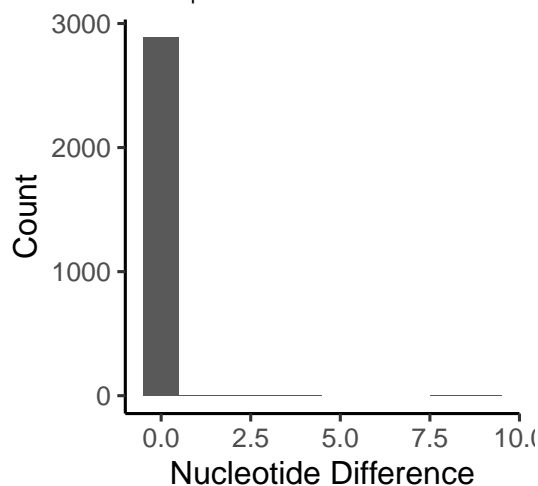
TRBV5-7*ap01

197 sequences assigned
196 (99.5%) exact matches, in which:
196 unique CDR3
13 unique J



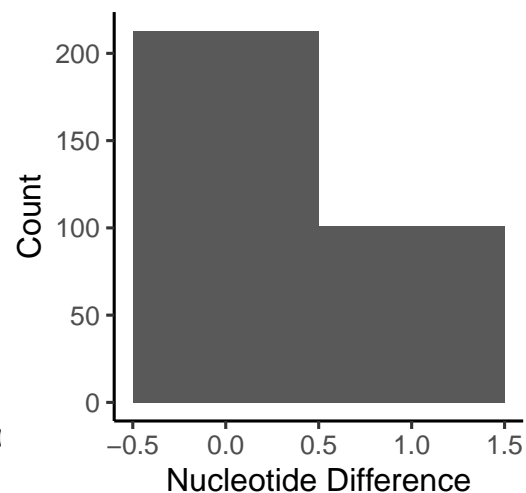
TRBV6-4*ap01

2906 sequences assigned
2888 (99.4%) exact matches, in which:
2888 unique CDR3
13 unique J



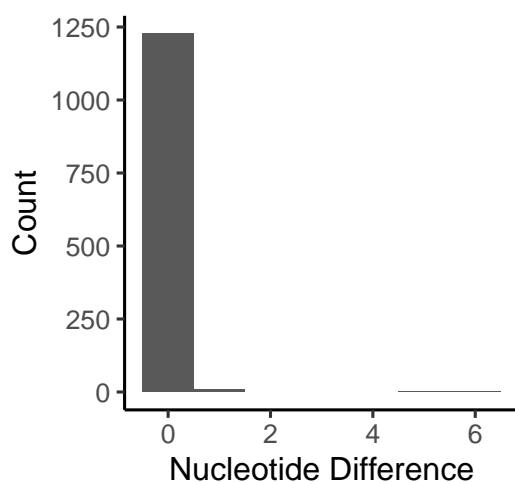
TRBV6-9*ap01

314 sequences assigned
213 (67.8%) exact matches, in which:
213 unique CDR3
13 unique J



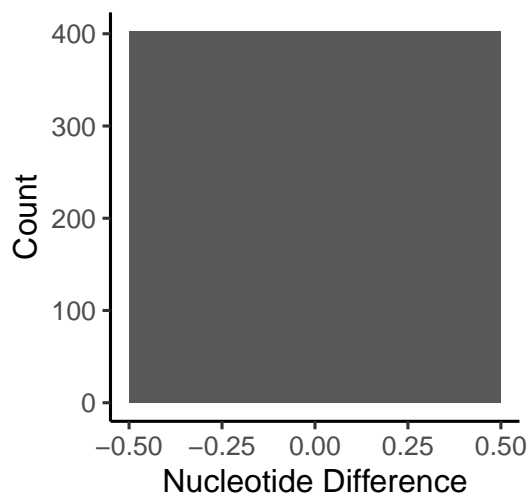
TRBV5-8*ap01

1236 sequences assigned
1227 (99.3%) exact matches, in which:
1226 unique CDR3
13 unique J



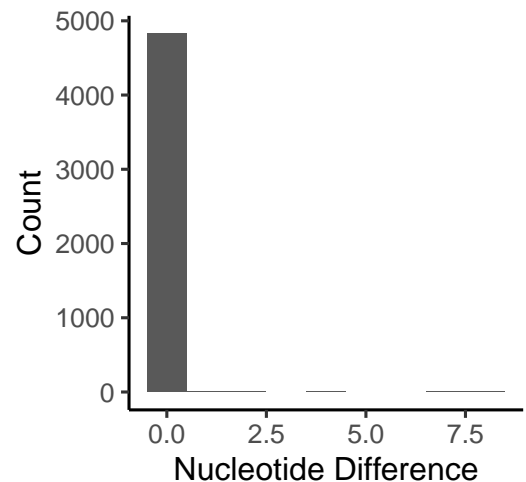
TRBV6-7*ap01

403 sequences assigned
403 (100%) exact matches, in which:
403 unique CDR3
13 unique J



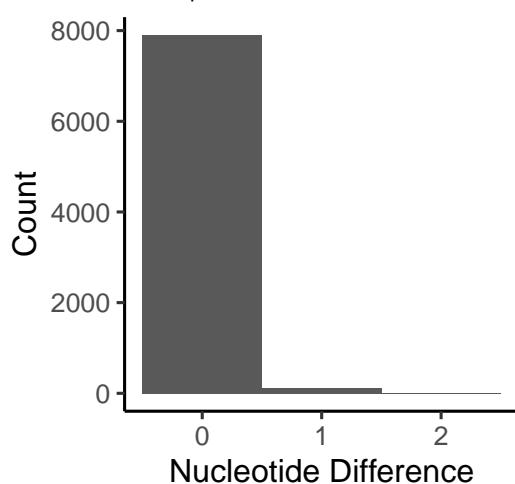
TRBV6-23*ap01

4842 sequences assigned
4826 (99.7%) exact matches, in which:
4825 unique CDR3
13 unique J



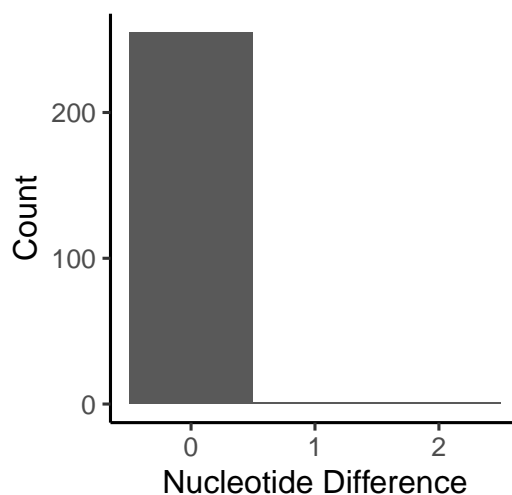
TRBV6-1*ap01

8024 sequences assigned
7902 (98.5%) exact matches, in which:
7896 unique CDR3
13 unique J



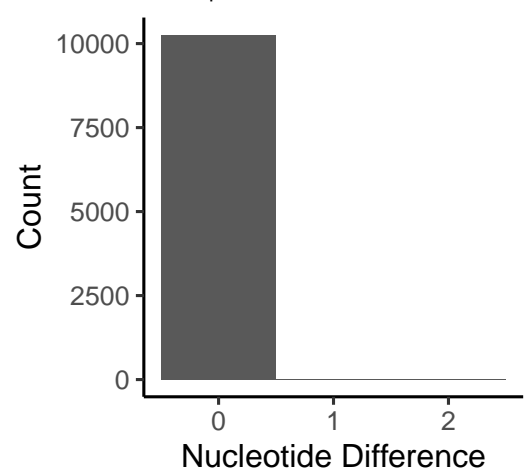
TRBV6-8*ap01

257 sequences assigned
255 (99.2%) exact matches, in which:
255 unique CDR3
13 unique J



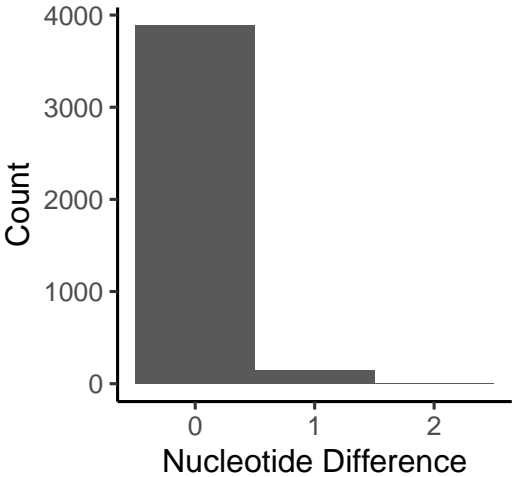
TRBV6-56*ap01

10280 sequences assigned
10262 (99.8%) exact matches, in which:
10255 unique CDR3
14 unique J



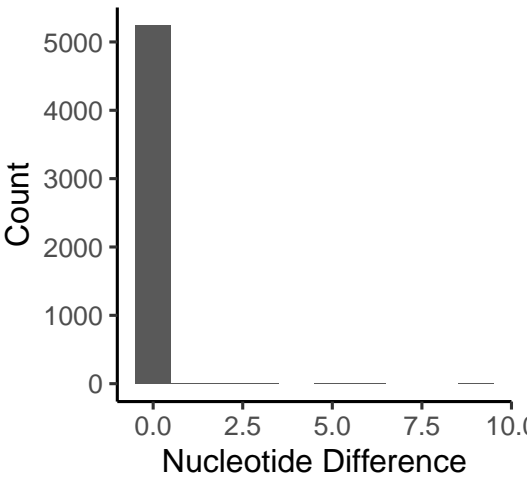
TRBV6-56*ap02

4037 sequences assigned
3888 (96.3%) exact matches, in which:
3885 unique CDR3
13 unique J



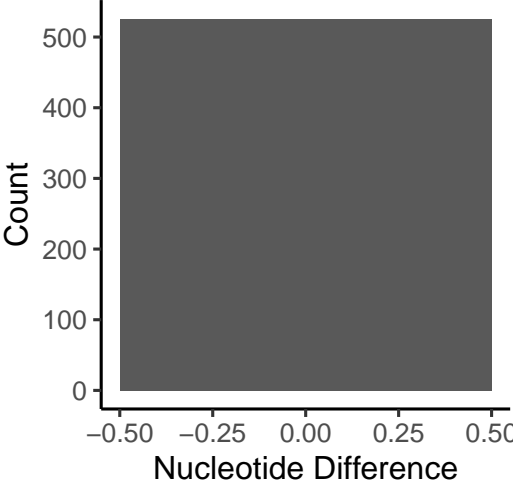
TRBV7-3*ap01

5263 sequences assigned
5242 (99.6%) exact matches, in which:
5238 unique CDR3
13 unique J



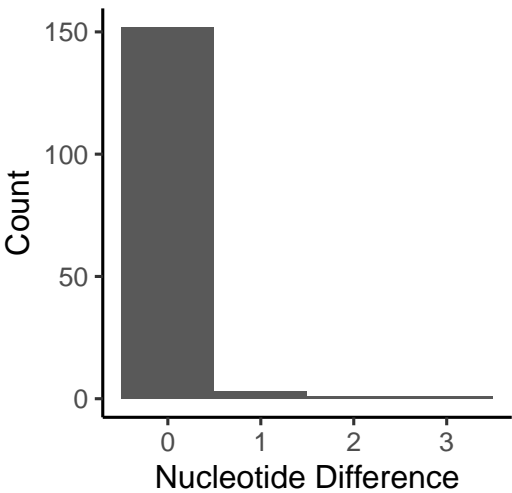
TRBV7-7*ap01

526 sequences assigned
526 (100%) exact matches, in which:
526 unique CDR3
12 unique J



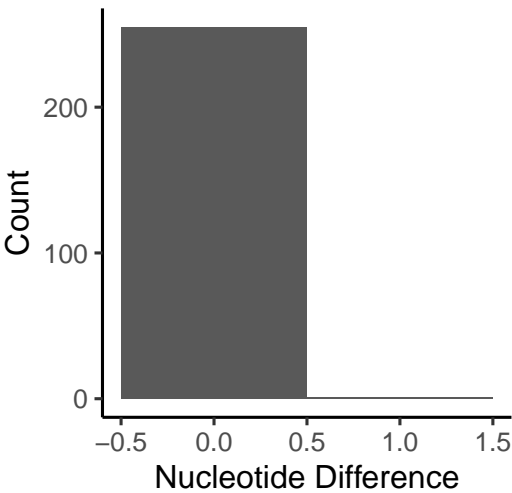
TRBV7-1*ap01_G291C_

157 sequences assigned
152 (96.8%) exact matches, in which:
152 unique CDR3
13 unique J



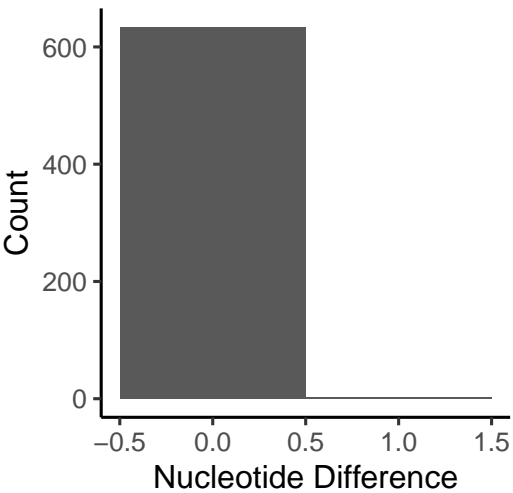
TRBV7-4*ap01

256 sequences assigned
255 (99.6%) exact matches, in which:
255 unique CDR3
13 unique J



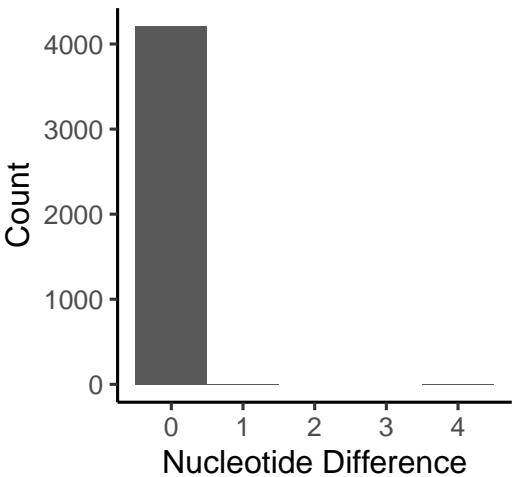
TRBV7-7*ap01_C315T

636 sequences assigned
634 (99.7%) exact matches, in which:
634 unique CDR3
13 unique J



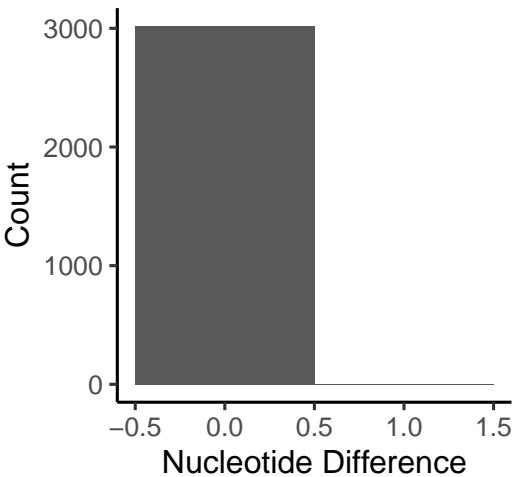
TRBV7-2*ap01

4219 sequences assigned
4211 (99.8%) exact matches, in which:
4211 unique CDR3
13 unique J



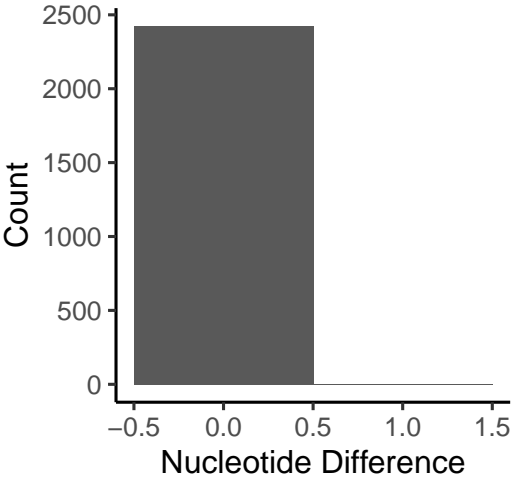
TRBV7-6*ap01

3021 sequences assigned
3019 (99.9%) exact matches, in which:
3019 unique CDR3
13 unique J



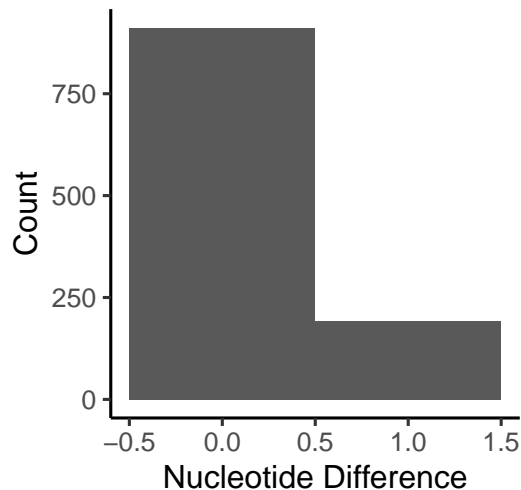
TRBV7-8*ap01

2428 sequences assigned
2424 (99.8%) exact matches, in which:
2423 unique CDR3
13 unique J



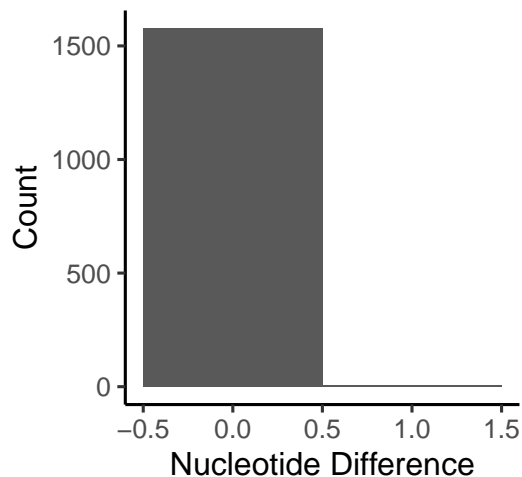
TRBV7–8*ap03

1105 sequences assigned
912 (82.5%) exact matches, in which:
912 unique CDR3
13 unique J



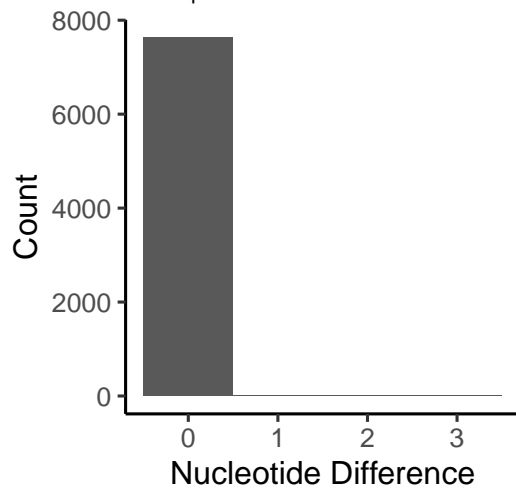
TRBV29–1*ap02

1583 sequences assigned
1577 (99.6%) exact matches, in which:
1572 unique CDR3
13 unique J



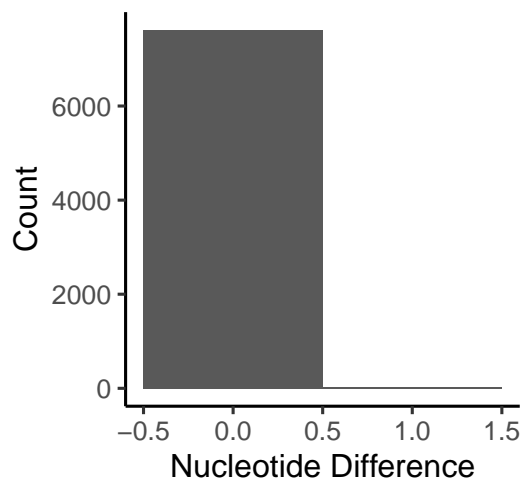
TRBV7–9*ap01

7641 sequences assigned
7627 (99.8%) exact matches, in which:
7627 unique CDR3
13 unique J

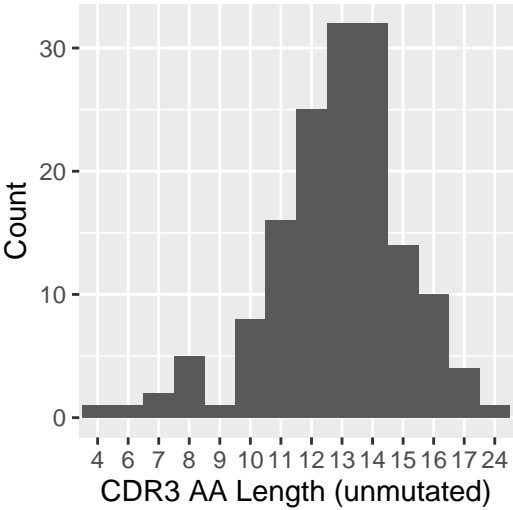


TRBV29–1*ap01

7638 sequences assigned
7615 (99.7%) exact matches, in which:
7590 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

