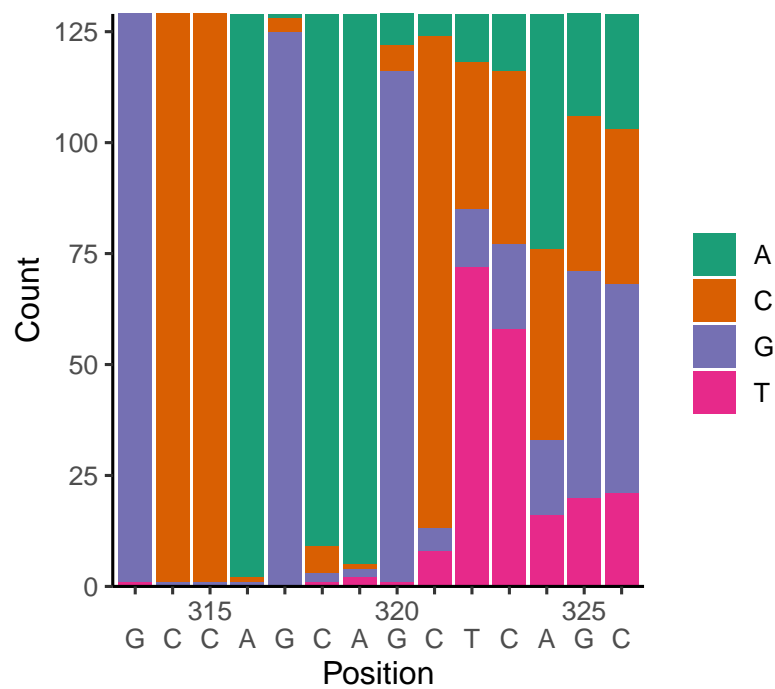
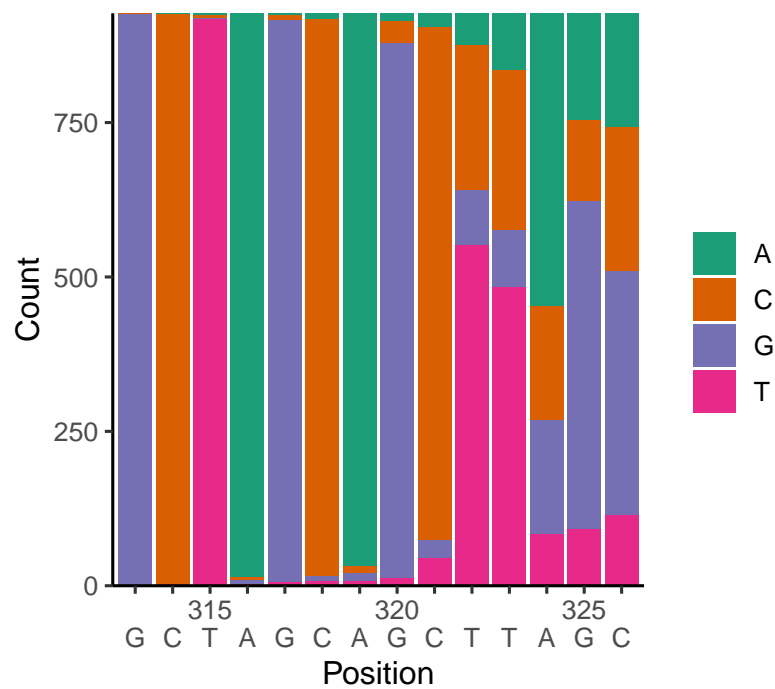


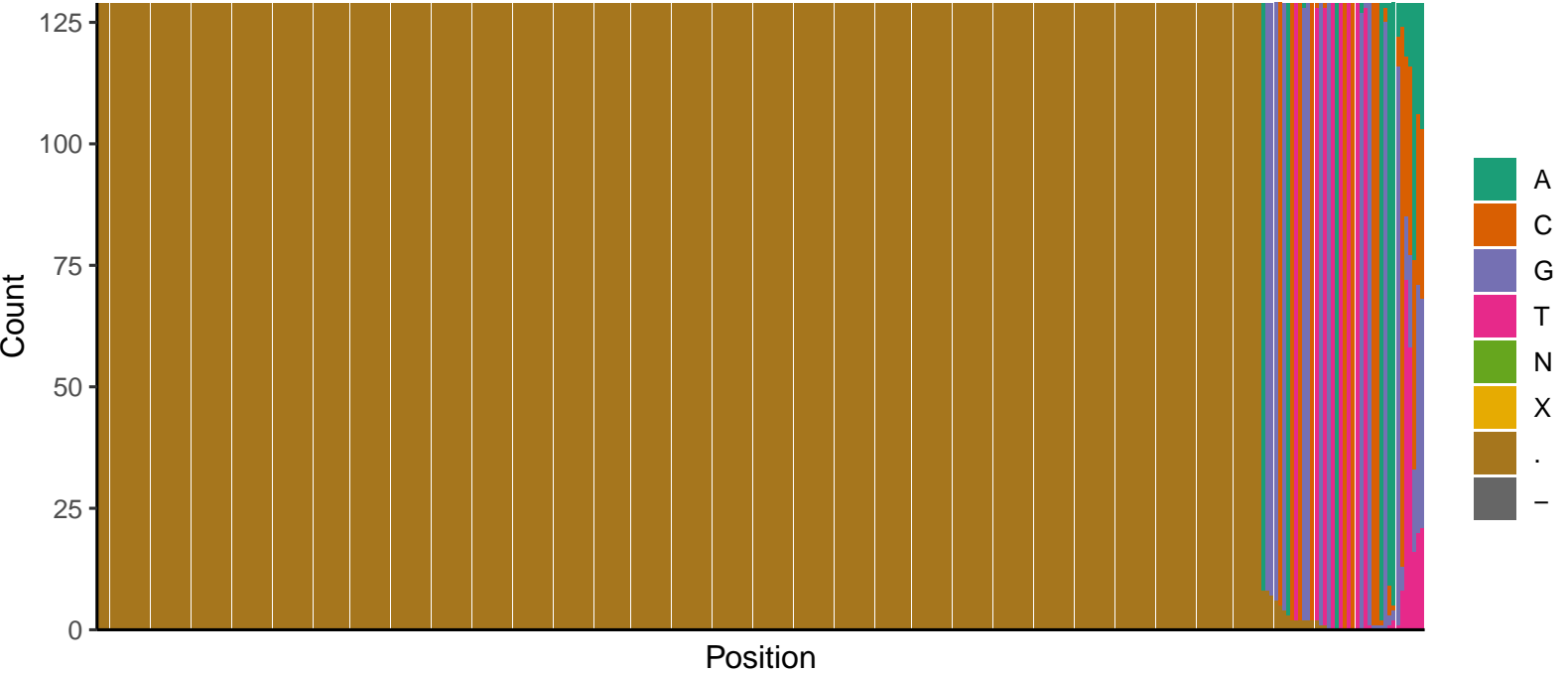
Gene TRBV7-1*ap01_G291C_T296C



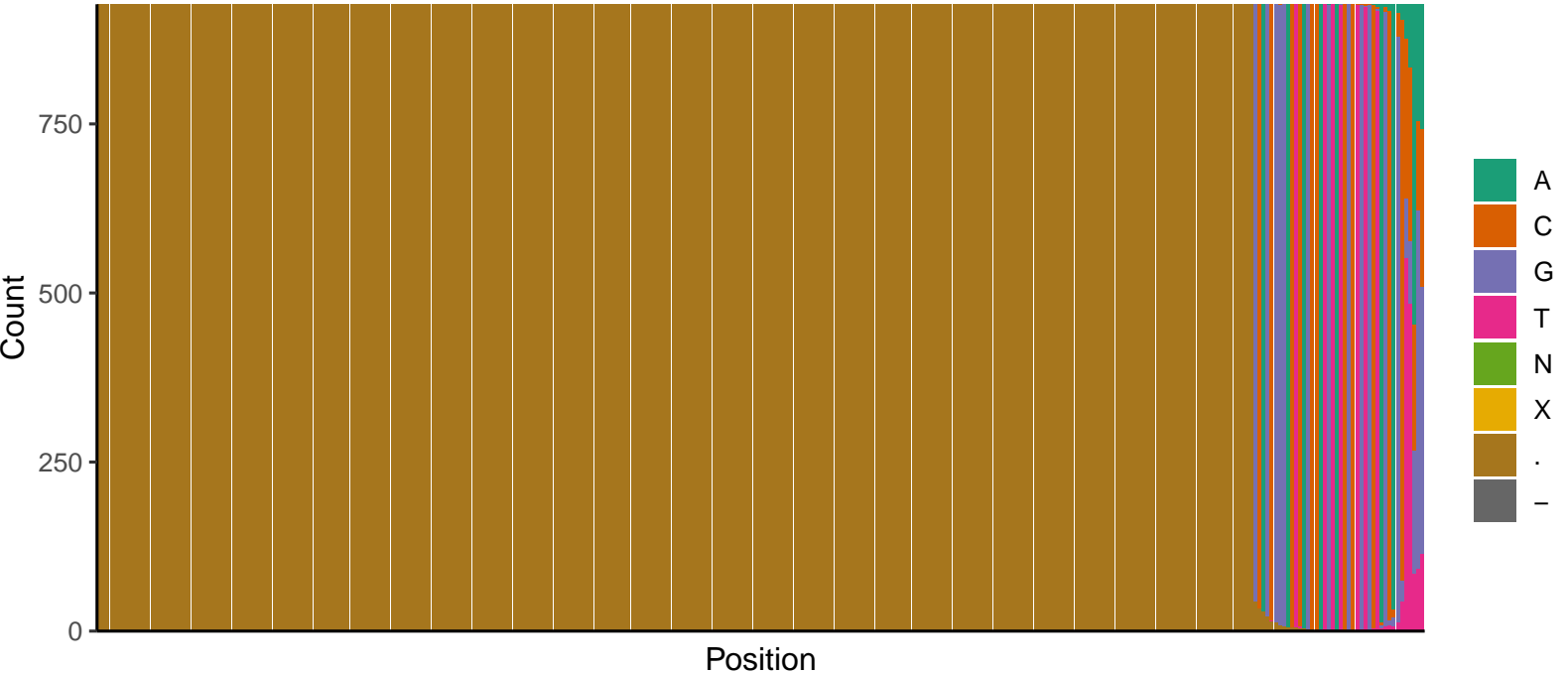
Gene TRBV7-7*ap01_C315T



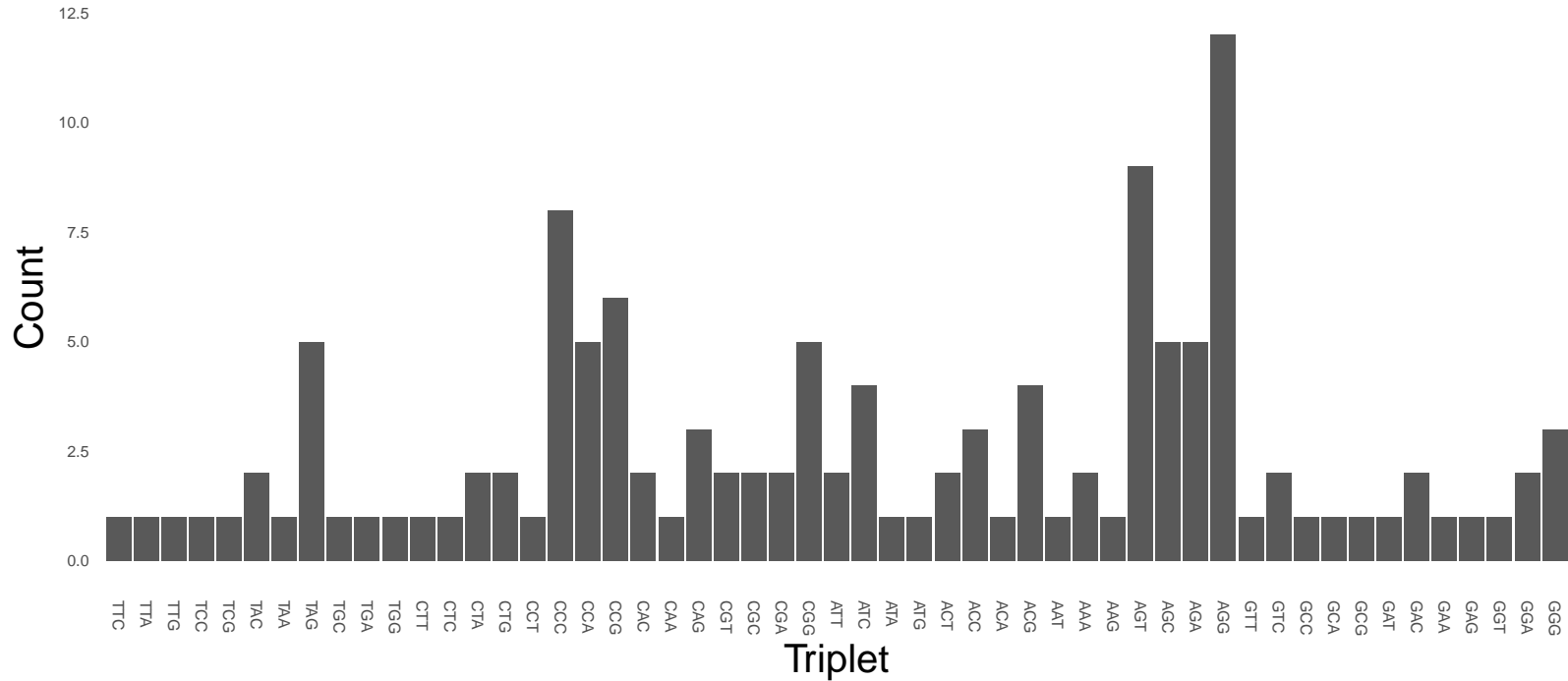
Gene TRBV7-1*ap01_G291C_T296C



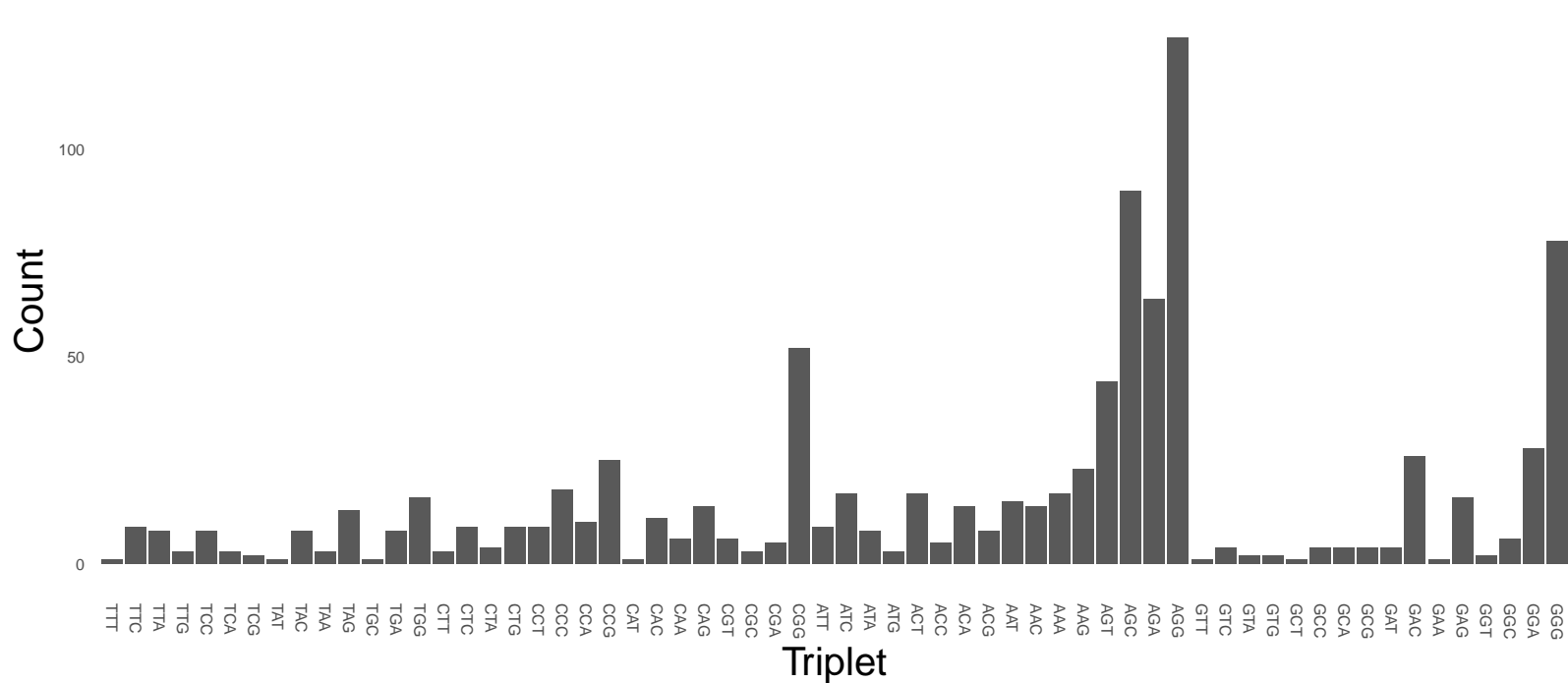
Gene TRBV7-7*ap01_C315T



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

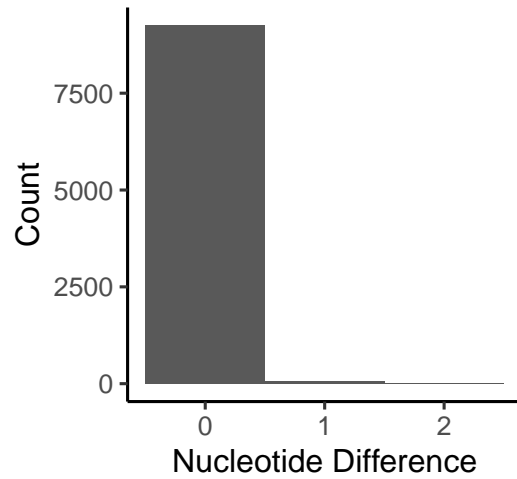


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



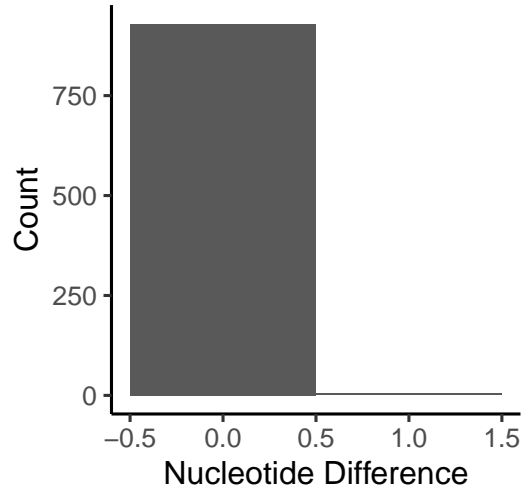
TRBV20-1*ap01

9321 sequences assigned
9250 (99.2%) exact matches, in which:
9181 unique CDR3
13 unique J



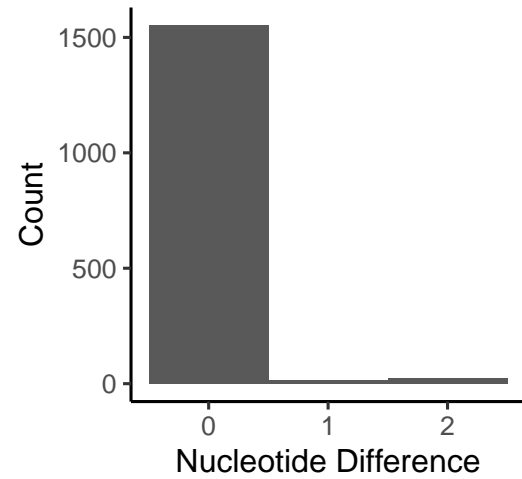
TRBV10-2*ap01

935 sequences assigned
930 (99.5%) exact matches, in which:
910 unique CDR3
13 unique J



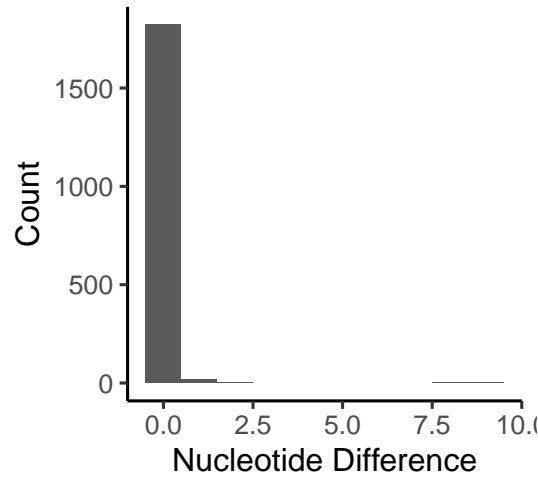
TRBV13*ap01

1590 sequences assigned
1552 (97.6%) exact matches, in which:
1525 unique CDR3
13 unique J



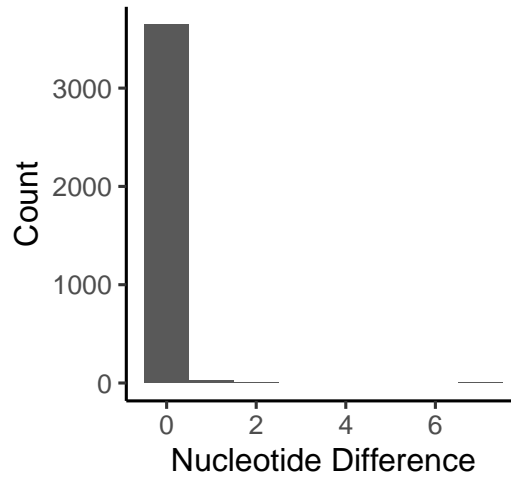
TRBV10-1*ap01

1843 sequences assigned
1822 (98.9%) exact matches, in which:
1803 unique CDR3
13 unique J



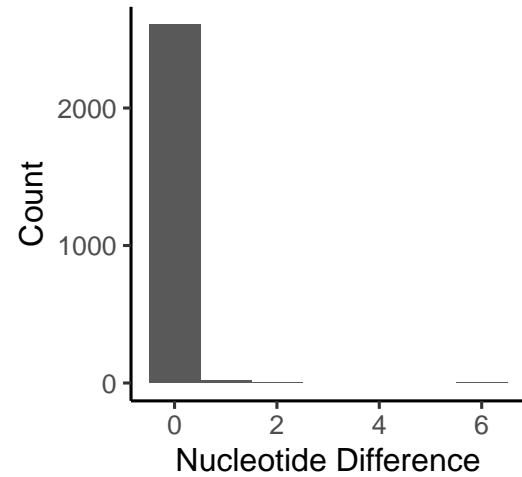
TRBV10-3*ap01

3676 sequences assigned
3645 (99.2%) exact matches, in which:
3575 unique CDR3
13 unique J



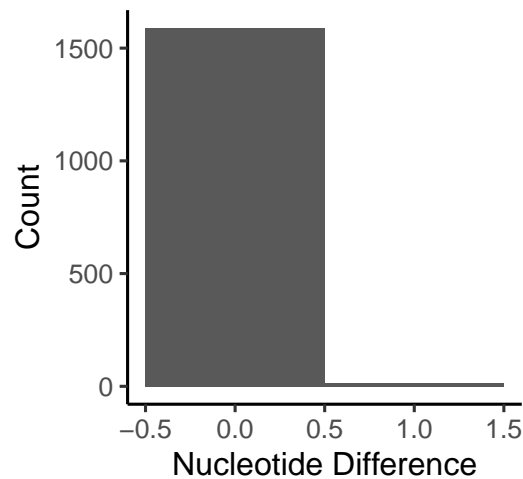
TRBV14*ap01

2625 sequences assigned
2606 (99.3%) exact matches, in which:
2566 unique CDR3
13 unique J



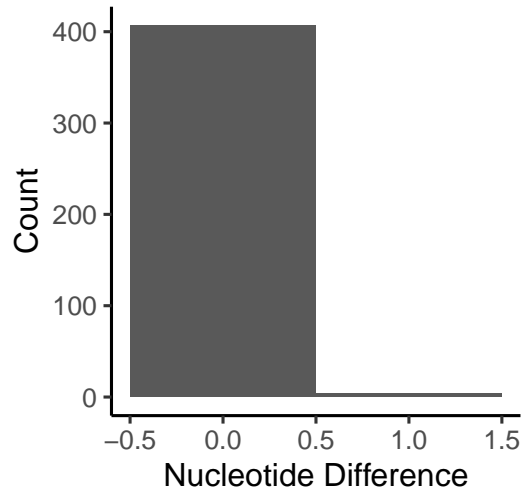
TRBV20-1*ap02

1604 sequences assigned
1589 (99.1%) exact matches, in which:
1574 unique CDR3
13 unique J



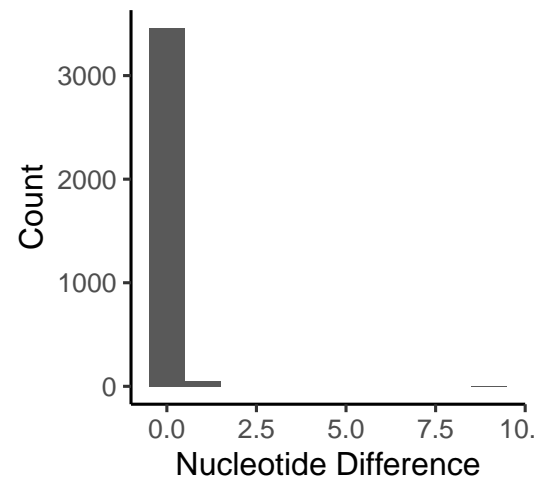
TRBV1*ap01

411 sequences assigned
407 (99%) exact matches, in which:
392 unique CDR3
13 unique J



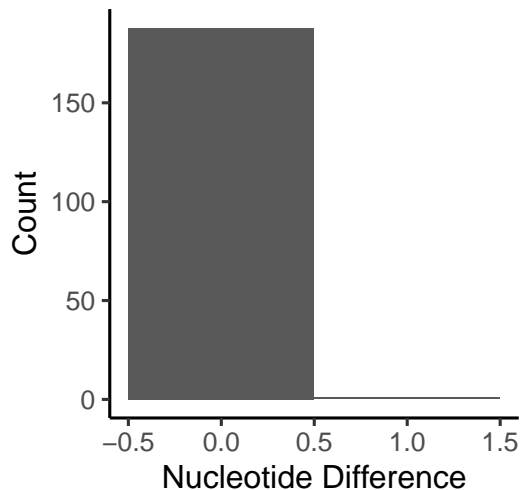
TRBV15*ap02

3510 sequences assigned
3459 (98.5%) exact matches, in which:
3404 unique CDR3
13 unique J



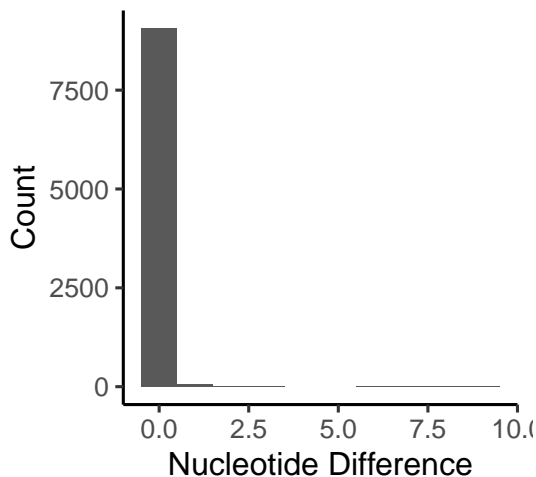
TRBV16*ap01

189 sequences assigned
188 (99.5%) exact matches, in which:
188 unique CDR3
13 unique J



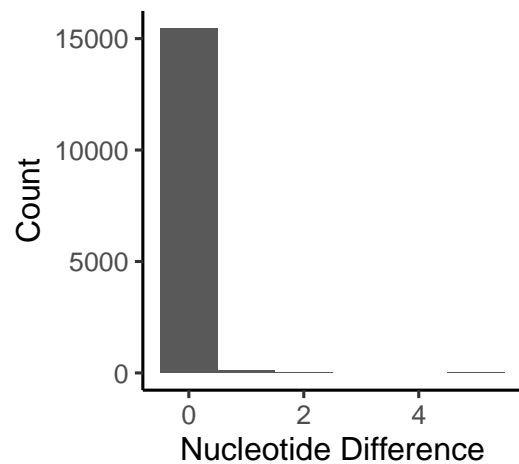
TRBV19*ap01

9135 sequences assigned
9061 (99.2%) exact matches, in which:
9004 unique CDR3
13 unique J



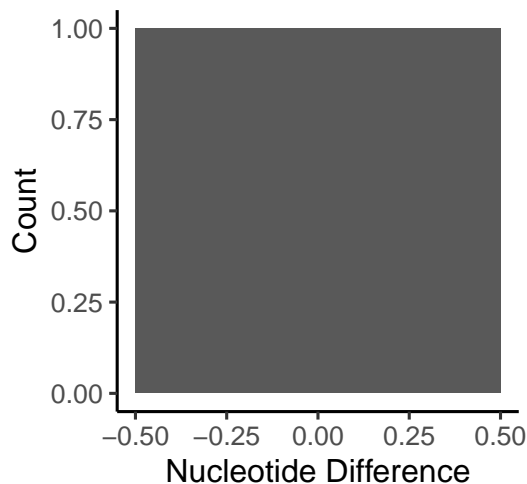
TRBV28*ap01

15572 sequences assigned
15468 (99.3%) exact matches, in which:
15301 unique CDR3
13 unique J



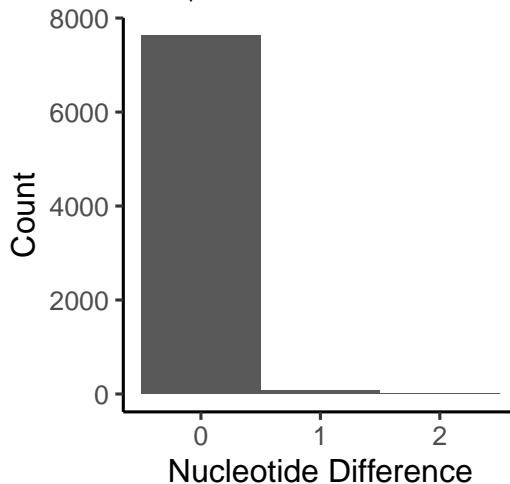
TRBV17*ap01

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



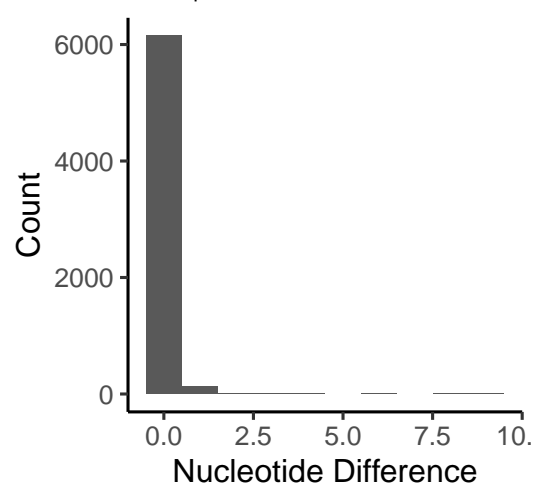
TRBV2*ap01

7705 sequences assigned
7624 (98.9%) exact matches, in which:
7511 unique CDR3
13 unique J



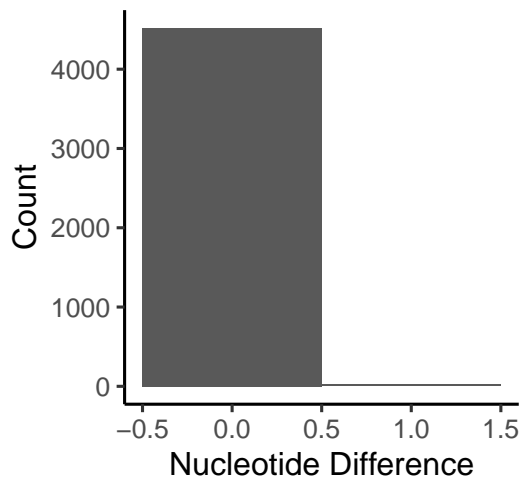
TRBV30*ap01

6290 sequences assigned
6151 (97.8%) exact matches, in which:
5995 unique CDR3
13 unique J



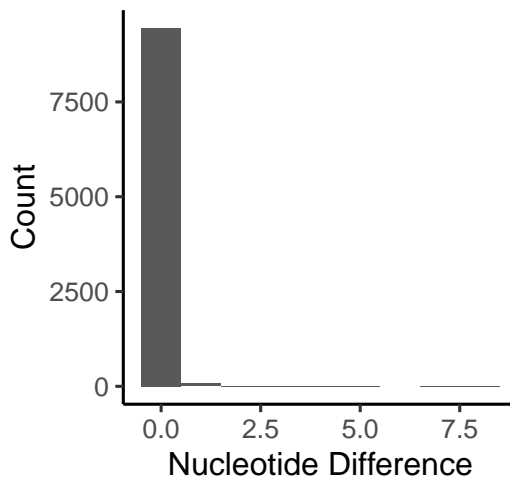
TRBV18*ap01

4543 sequences assigned
4519 (99.5%) exact matches, in which:
4494 unique CDR3
13 unique J



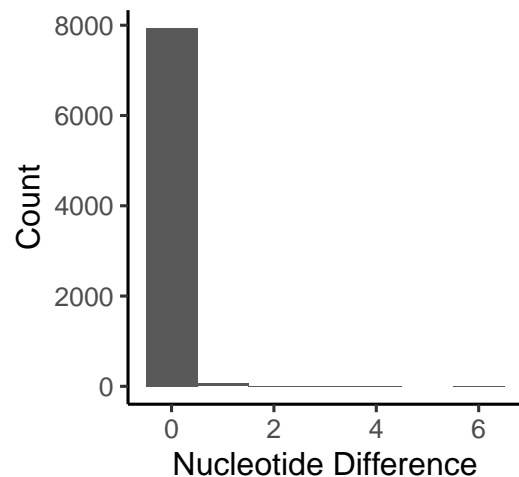
TRBV27*ap01

9529 sequences assigned
9448 (99.1%) exact matches, in which:
9319 unique CDR3
13 unique J



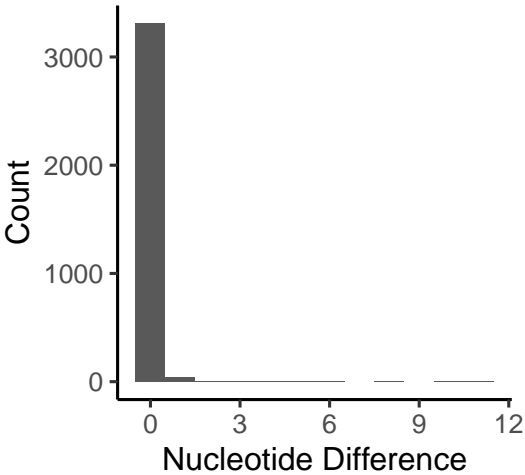
TRBV9*ap01

8010 sequences assigned
7938 (99.1%) exact matches, in which:
7874 unique CDR3
13 unique J



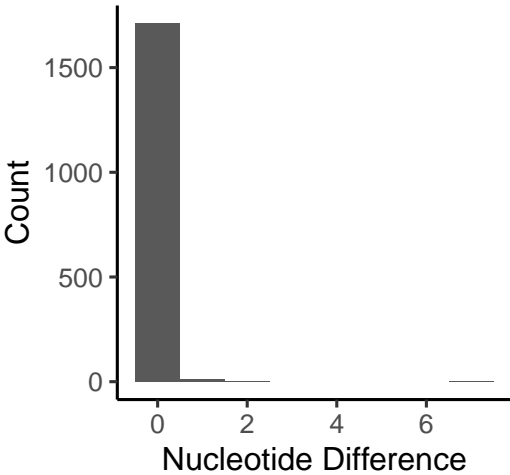
TRBV21-1*ap01

3365 sequences assigned
3310 (98.4%) exact matches, in which:
3291 unique CDR3
13 unique J



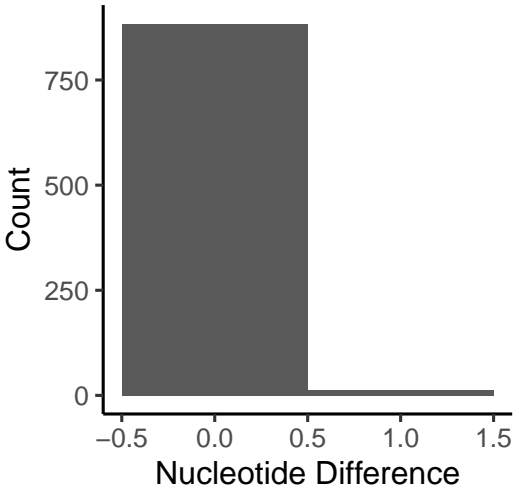
TRBV11-3*ap01

1723 sequences assigned
1711 (99.3%) exact matches, in which:
1701 unique CDR3
13 unique J



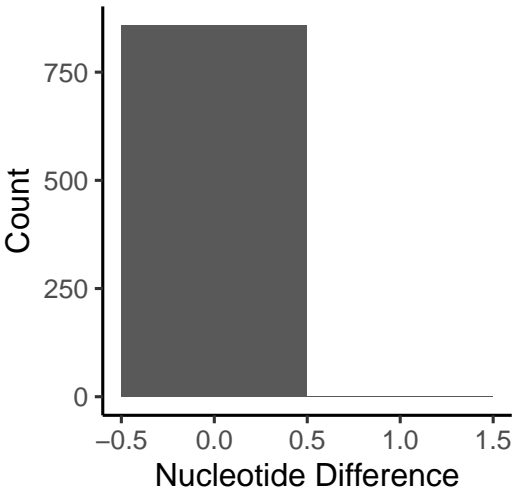
TRBV12-5*ap01

897 sequences assigned
884 (98.6%) exact matches, in which:
871 unique CDR3
13 unique J



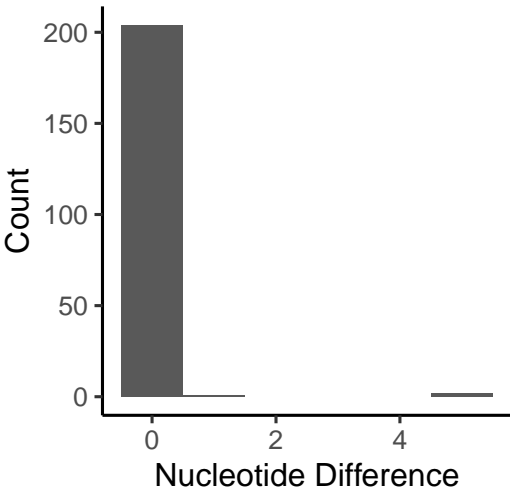
TRBV11-1*ap01

861 sequences assigned
859 (99.8%) exact matches, in which:
852 unique CDR3
13 unique J



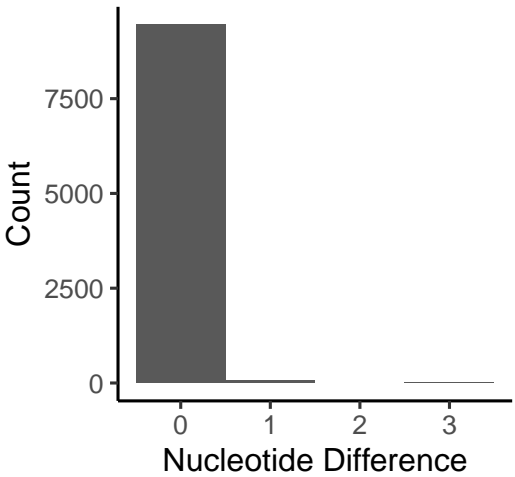
TRBV12-1*ap01

207 sequences assigned
204 (98.6%) exact matches, in which:
203 unique CDR3
13 unique J



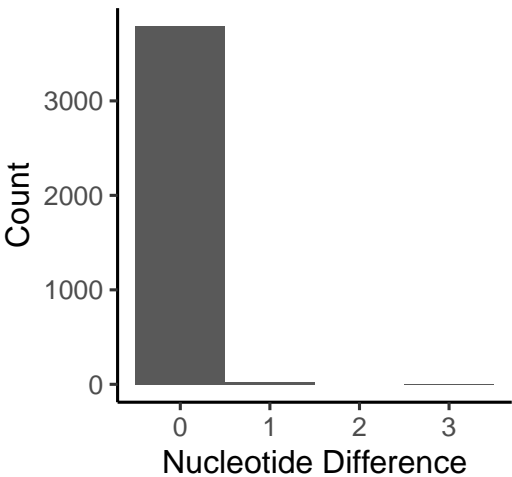
TRBV12-34*ap01

9524 sequences assigned
9450 (99.2%) exact matches, in which:
9304 unique CDR3
13 unique J



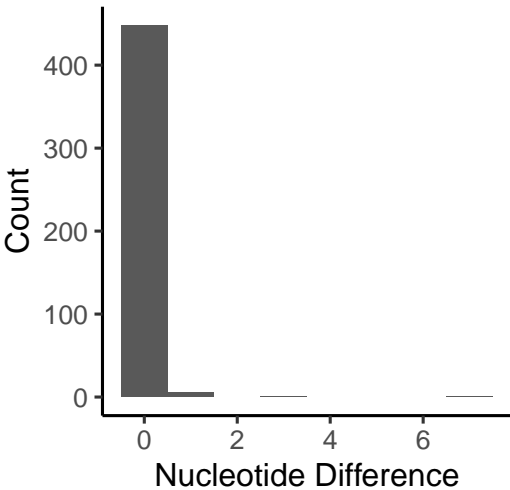
TRBV11-2*ap01

3819 sequences assigned
3792 (99.3%) exact matches, in which:
3768 unique CDR3
13 unique J



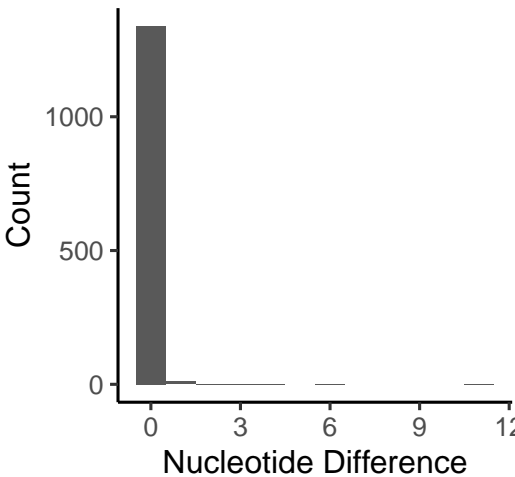
TRBV12-2*ap01

456 sequences assigned
448 (98.2%) exact matches, in which:
440 unique CDR3
13 unique J



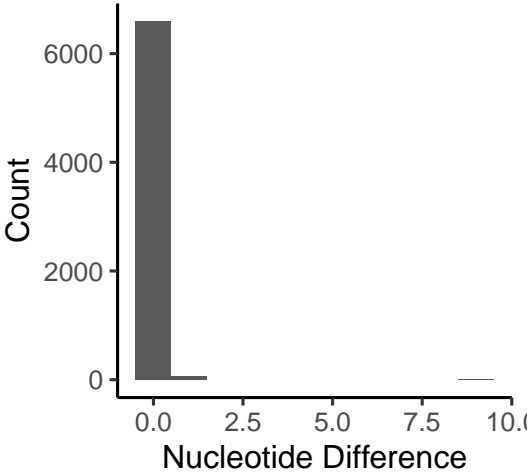
TRBV23-1*ap01

1354 sequences assigned
1339 (98.9%) exact matches, in which:
1333 unique CDR3
13 unique J



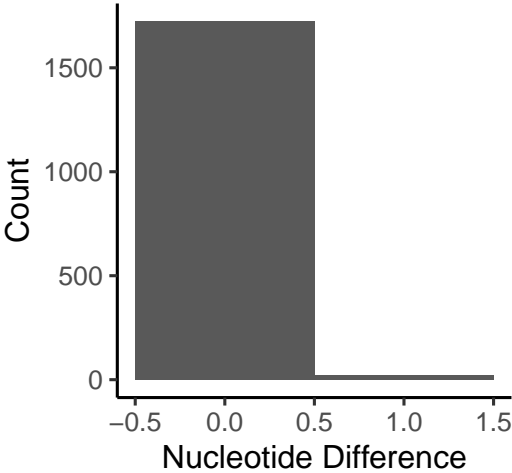
TRBV3-12*ap01

6652 sequences assigned
6593 (99.1%) exact matches, in which:
6522 unique CDR3
13 unique J



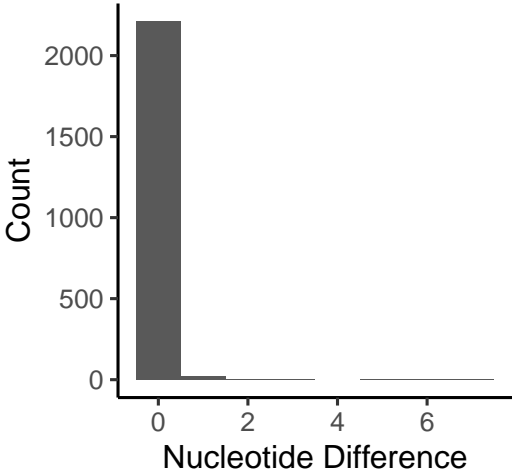
TRBV4-2*ap01

1743 sequences assigned
1723 (98.9%) exact matches, in which:
1691 unique CDR3
13 unique J



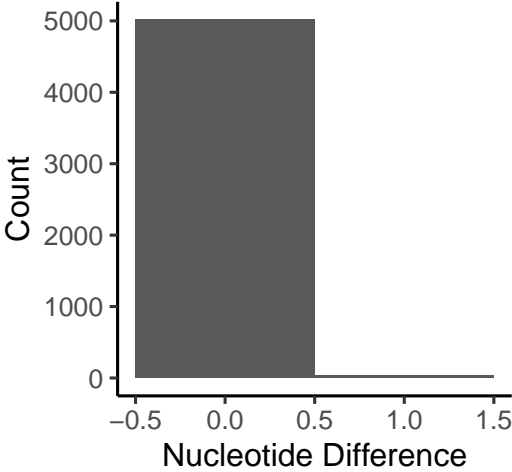
TRBV25-1*ap01

2240 sequences assigned
2211 (98.7%) exact matches, in which:
2166 unique CDR3
13 unique J



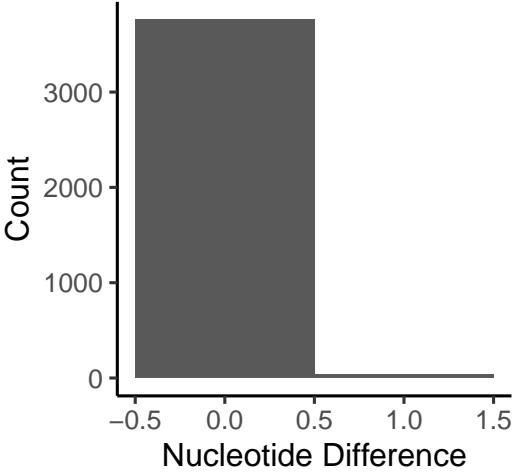
TRBV4-1*ap01

5050 sequences assigned
5016 (99.3%) exact matches, in which:
4931 unique CDR3
13 unique J



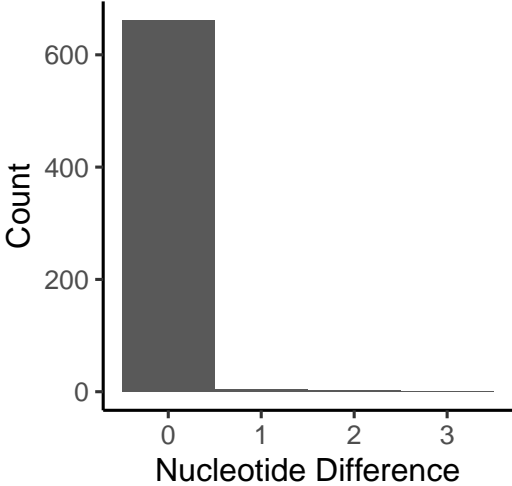
TRBV4-3*ap01

3800 sequences assigned
3759 (98.9%) exact matches, in which:
3710 unique CDR3
13 unique J



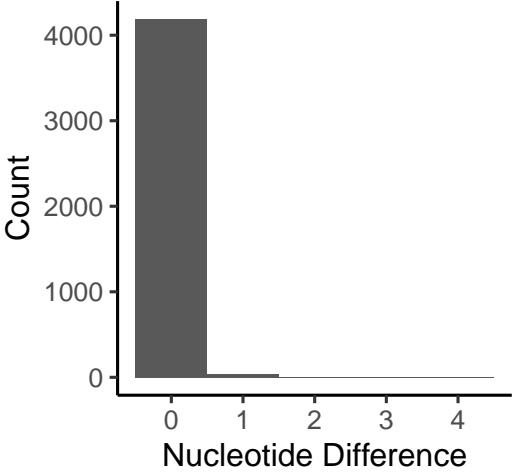
TRBV5-3*ap01

670 sequences assigned
662 (98.8%) exact matches, in which:
652 unique CDR3
13 unique J



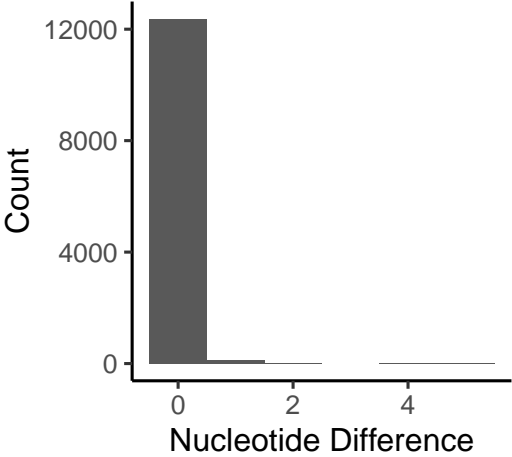
TRBV24-1*ap01

4231 sequences assigned
4189 (99%) exact matches, in which:
4137 unique CDR3
13 unique J



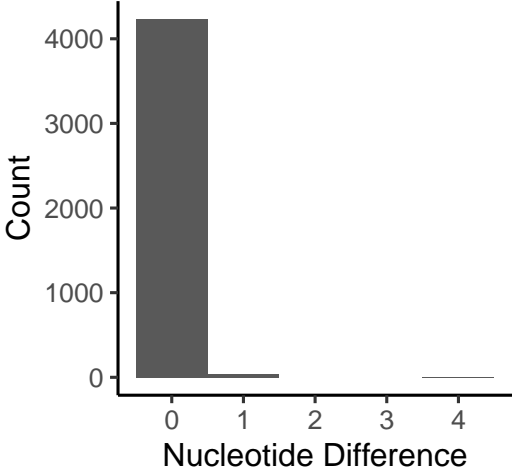
TRBV5-1*ap01

12496 sequences assigned
12373 (99%) exact matches, in which:
12170 unique CDR3
13 unique J



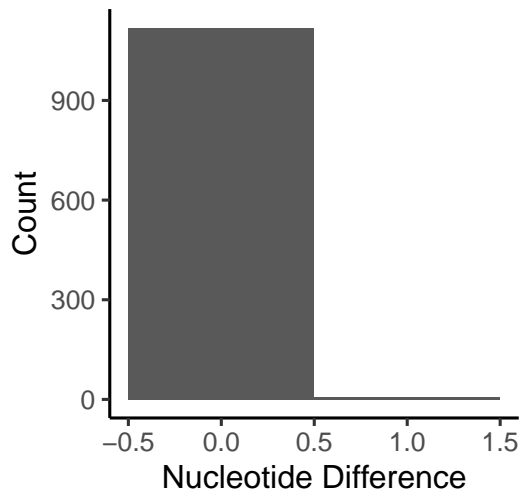
TRBV5-4*ap01

4270 sequences assigned
4233 (99.1%) exact matches, in which:
4167 unique CDR3
13 unique J



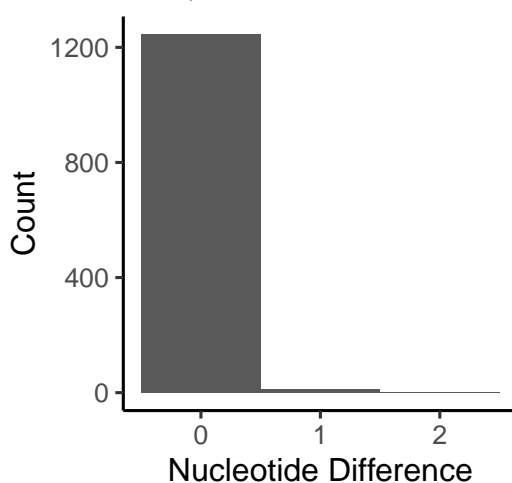
TRBV5-5*ap01

1127 sequences assigned
1119 (99.3%) exact matches, in which:
1110 unique CDR3
13 unique J



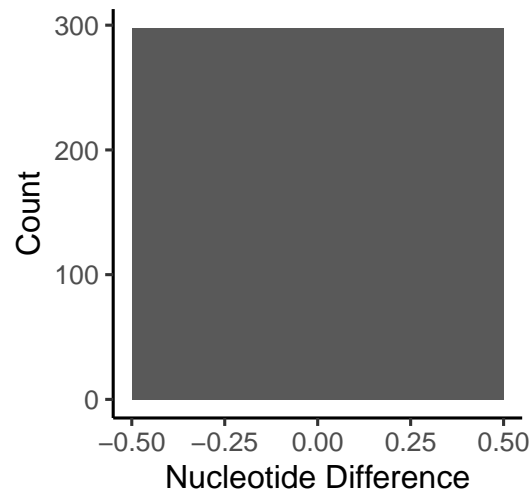
TRBV5-8*ap01

1258 sequences assigned
1245 (99%) exact matches, in which:
1229 unique CDR3
13 unique J



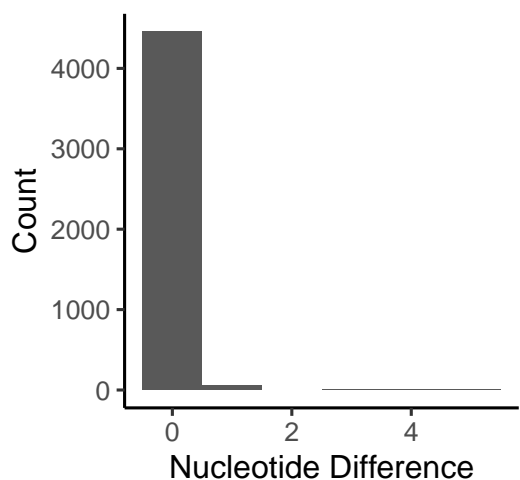
TRBV6-7*ap01

298 sequences assigned
298 (100%) exact matches, in which:
288 unique CDR3
13 unique J



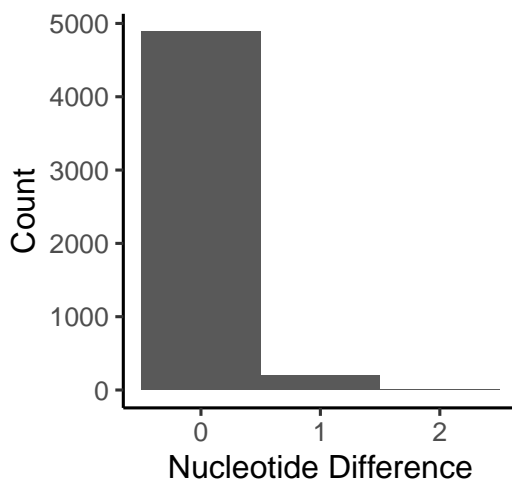
TRBV5-6*ap01

4511 sequences assigned
4456 (98.8%) exact matches, in which:
4338 unique CDR3
13 unique J



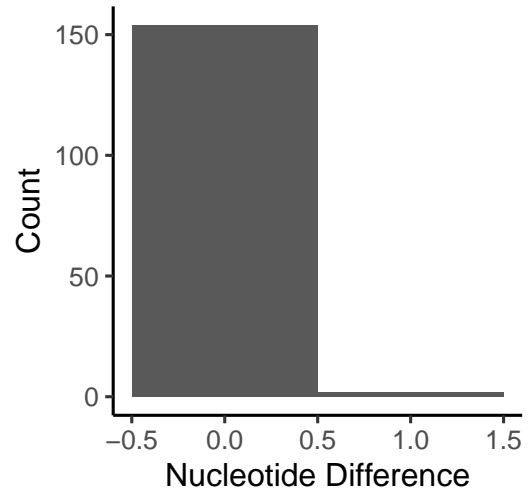
TRBV6-1*ap01

5085 sequences assigned
4887 (96.1%) exact matches, in which:
4787 unique CDR3
13 unique J



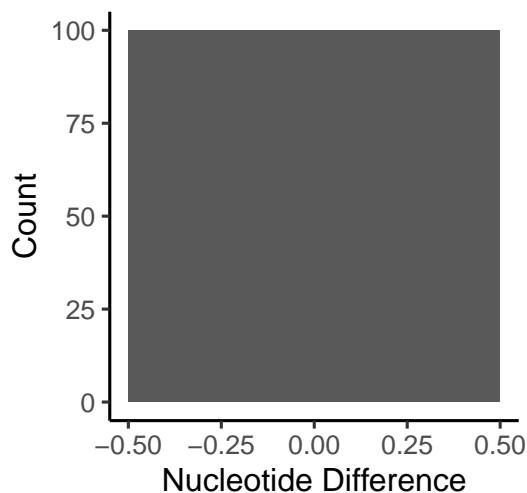
TRBV6-8*ap01

156 sequences assigned
154 (98.7%) exact matches, in which:
151 unique CDR3
13 unique J



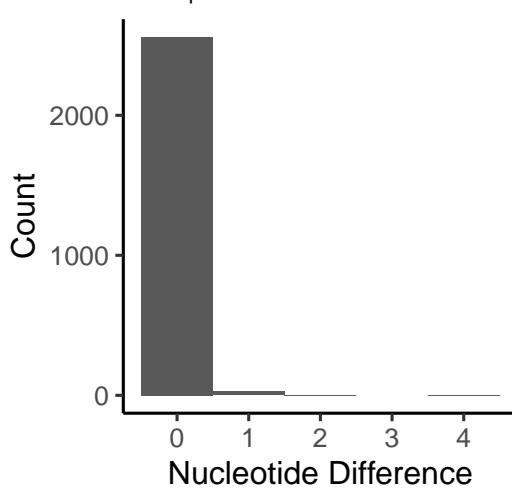
TRBV5-7*ap01

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



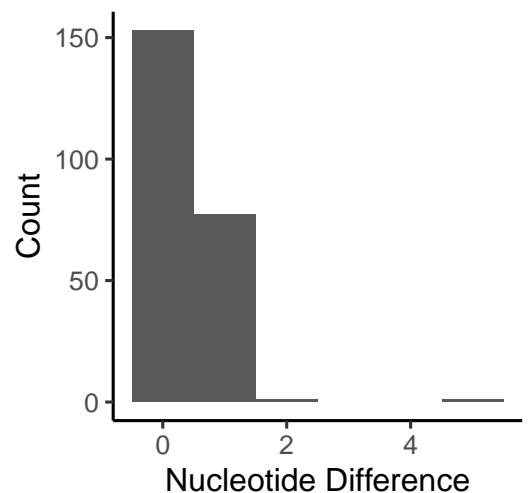
TRBV6-4*ap01

2589 sequences assigned
2559 (98.8%) exact matches, in which:
2539 unique CDR3
13 unique J



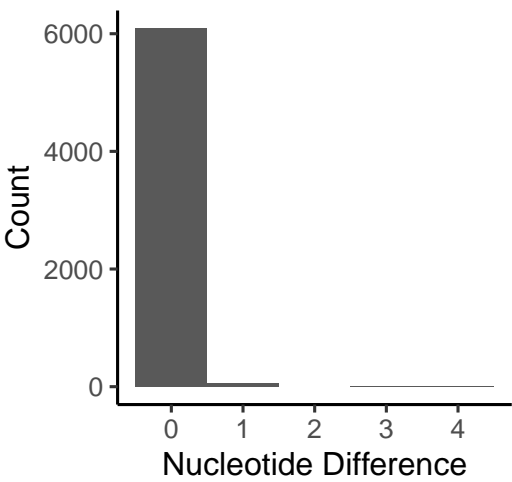
TRBV6-9*ap01

232 sequences assigned
153 (65.9%) exact matches, in which:
151 unique CDR3
13 unique J



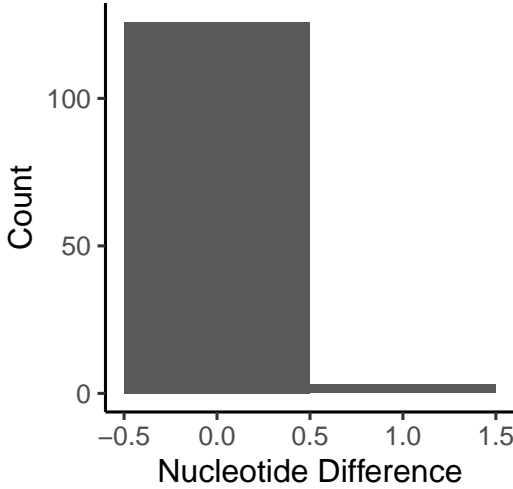
TRBV6-23*ap01

6145 sequences assigned
6090 (99.1%) exact matches, in which:
5955 unique CDR3
13 unique J



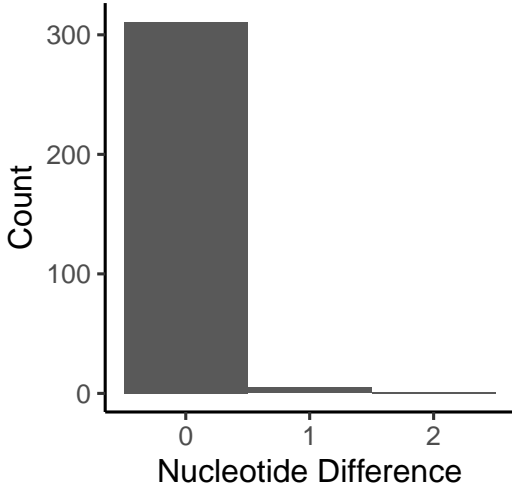
TRBV7-1*ap01_G291C_

129 sequences assigned
126 (97.7%) exact matches, in which:
126 unique CDR3
13 unique J



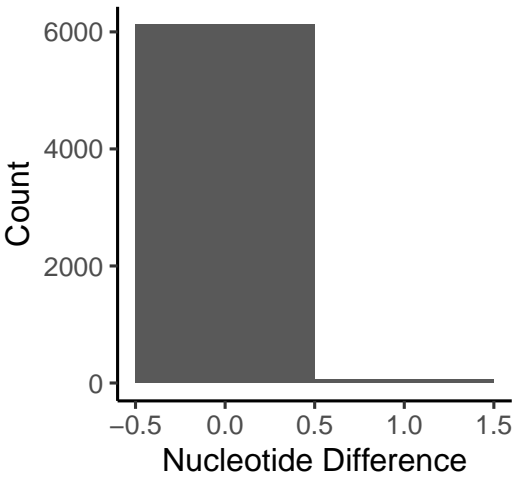
TRBV7-4*ap01

317 sequences assigned
311 (98.1%) exact matches, in which:
307 unique CDR3
13 unique J



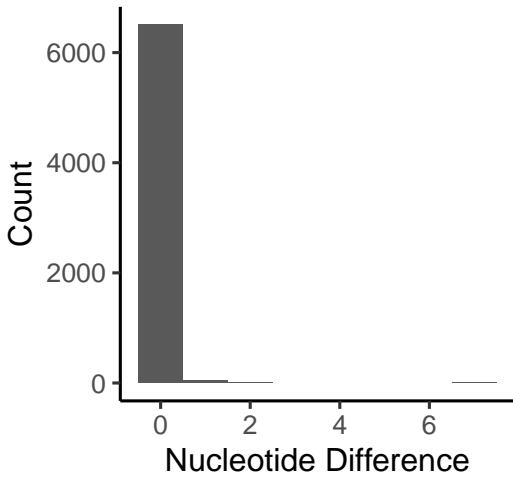
TRBV6-56*ap01

6187 sequences assigned
6122 (98.9%) exact matches, in which:
5983 unique CDR3
13 unique J



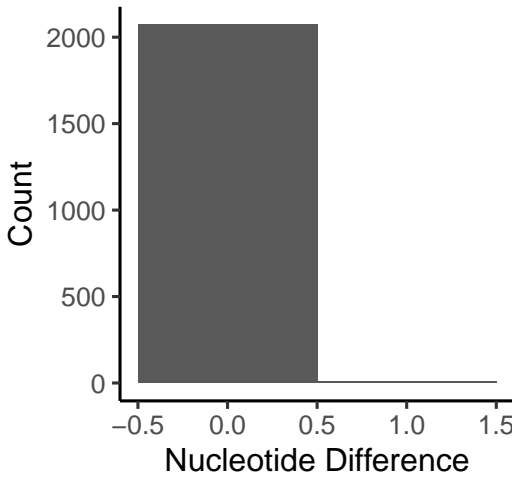
TRBV7-2*ap01

6550 sequences assigned
6506 (99.3%) exact matches, in which:
6430 unique CDR3
13 unique J



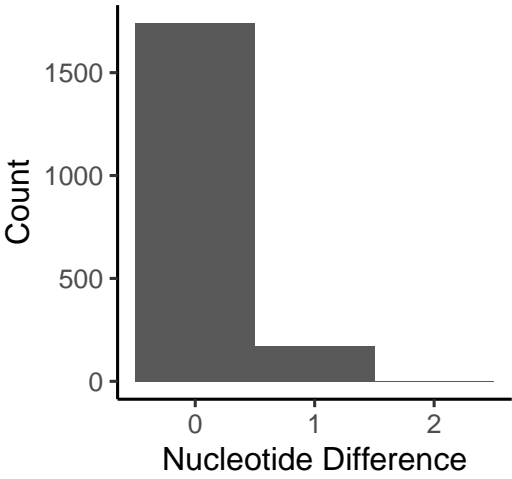
TRBV7-6*ap01

2083 sequences assigned
2072 (99.5%) exact matches, in which:
2042 unique CDR3
13 unique J



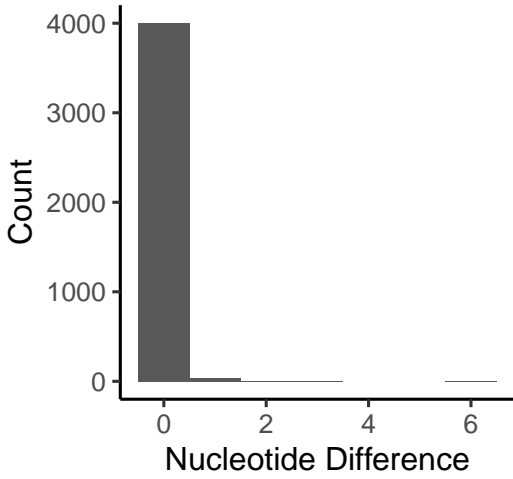
TRBV6-56*ap02

1915 sequences assigned
1741 (90.9%) exact matches, in which:
1699 unique CDR3
13 unique J



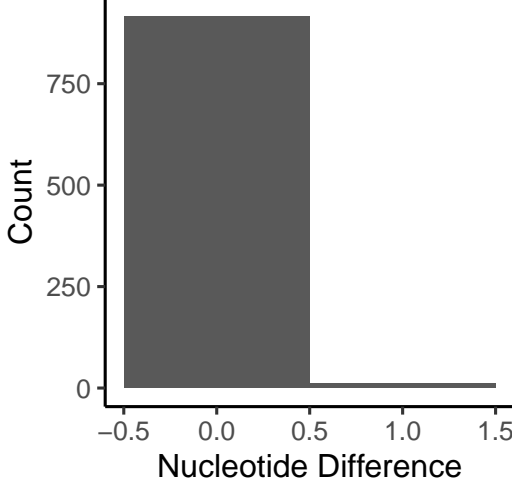
TRBV7-3*ap01

4043 sequences assigned
4002 (99%) exact matches, in which:
3977 unique CDR3
13 unique J



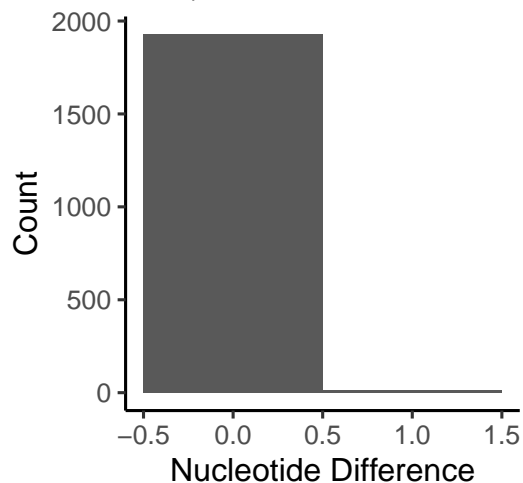
TRBV7-7*ap01_C315T

927 sequences assigned
916 (98.8%) exact matches, in which:
905 unique CDR3
13 unique J



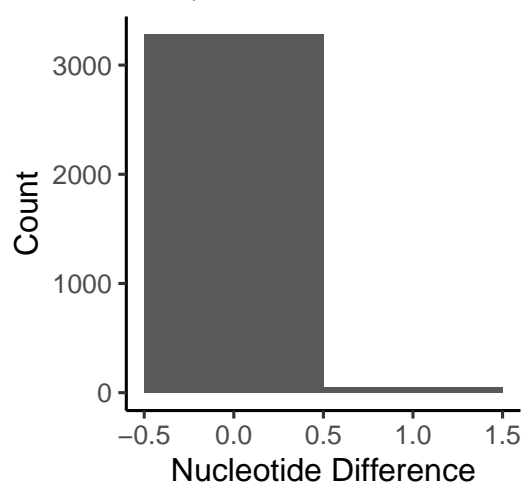
TRBV7-8*ap01

1942 sequences assigned
1928 (99.3%) exact matches, in which:
1906 unique CDR3
13 unique J



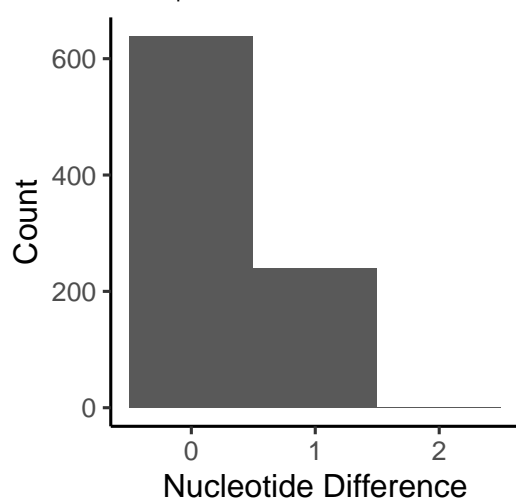
TRBV29-1*ap01

3332 sequences assigned
3281 (98.5%) exact matches, in which:
3188 unique CDR3
13 unique J



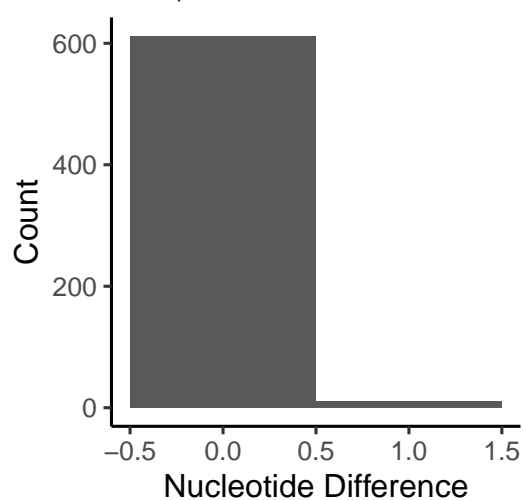
TRBV7-8*ap03

879 sequences assigned
639 (72.7%) exact matches, in which:
625 unique CDR3
13 unique J



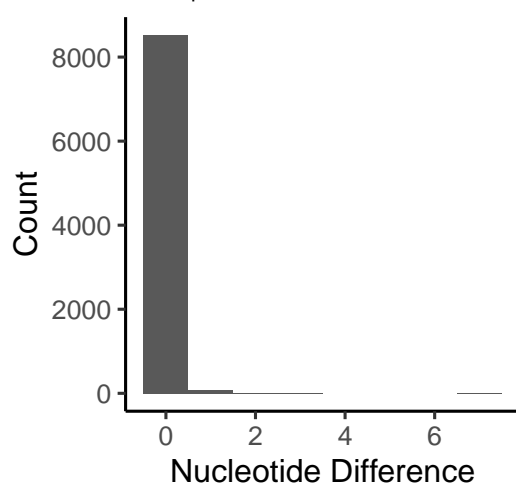
TRBV29-1*ap02

622 sequences assigned
612 (98.4%) exact matches, in which:
593 unique CDR3
13 unique J

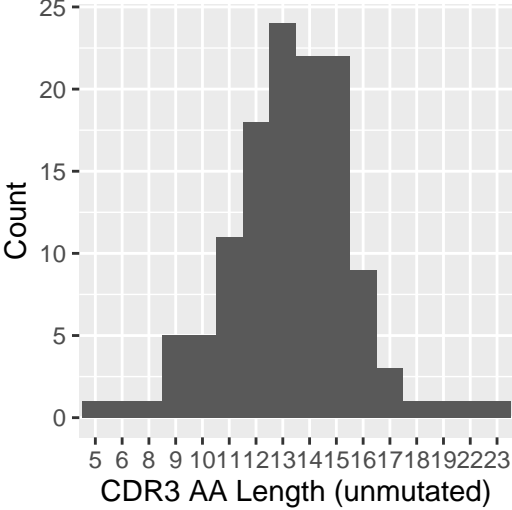


TRBV7-9*ap01

8612 sequences assigned
8524 (99%) exact matches, in which:
8415 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

