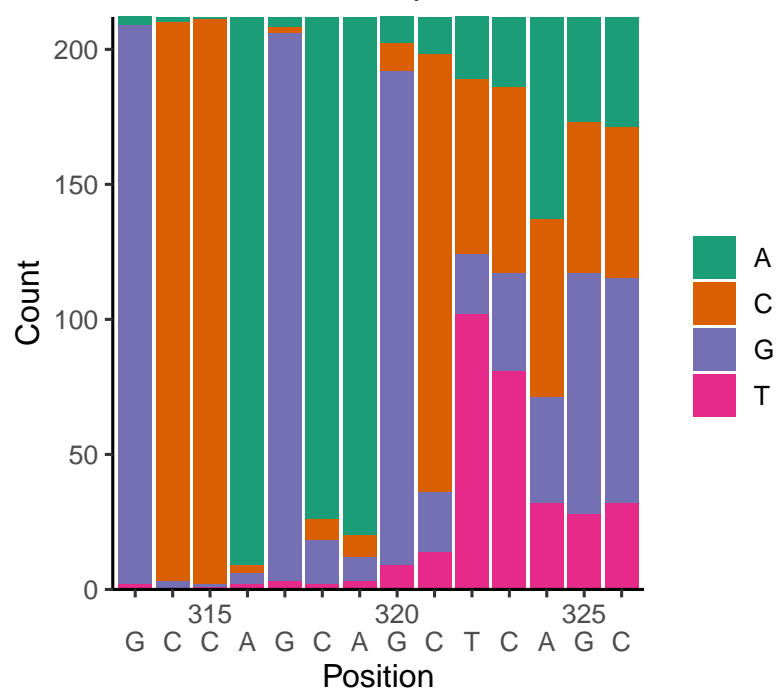
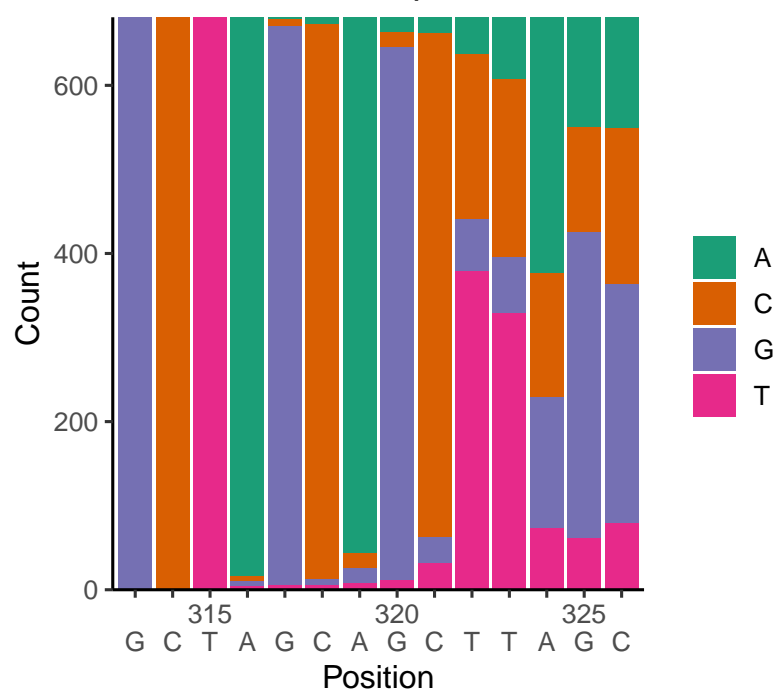


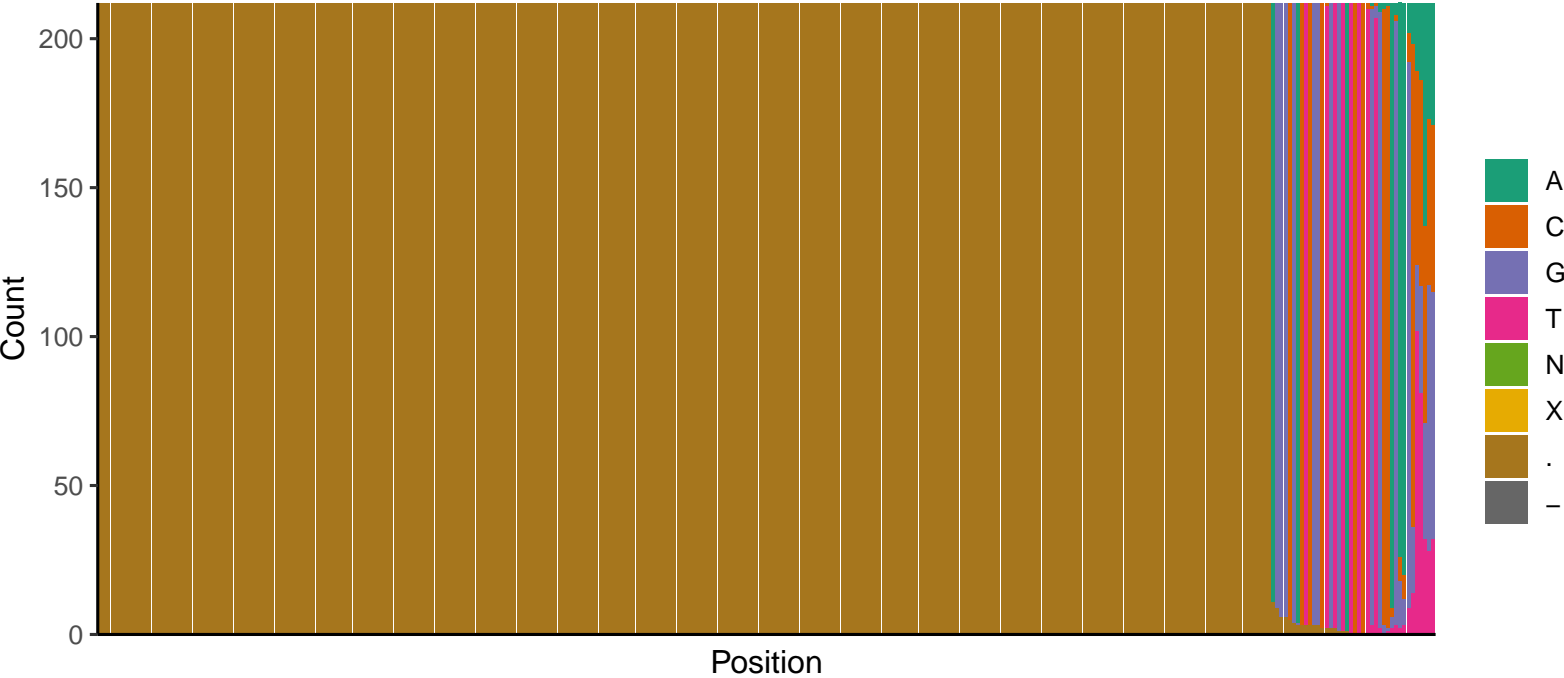
Gene TRBV7-1*ap01_G291C_T296C



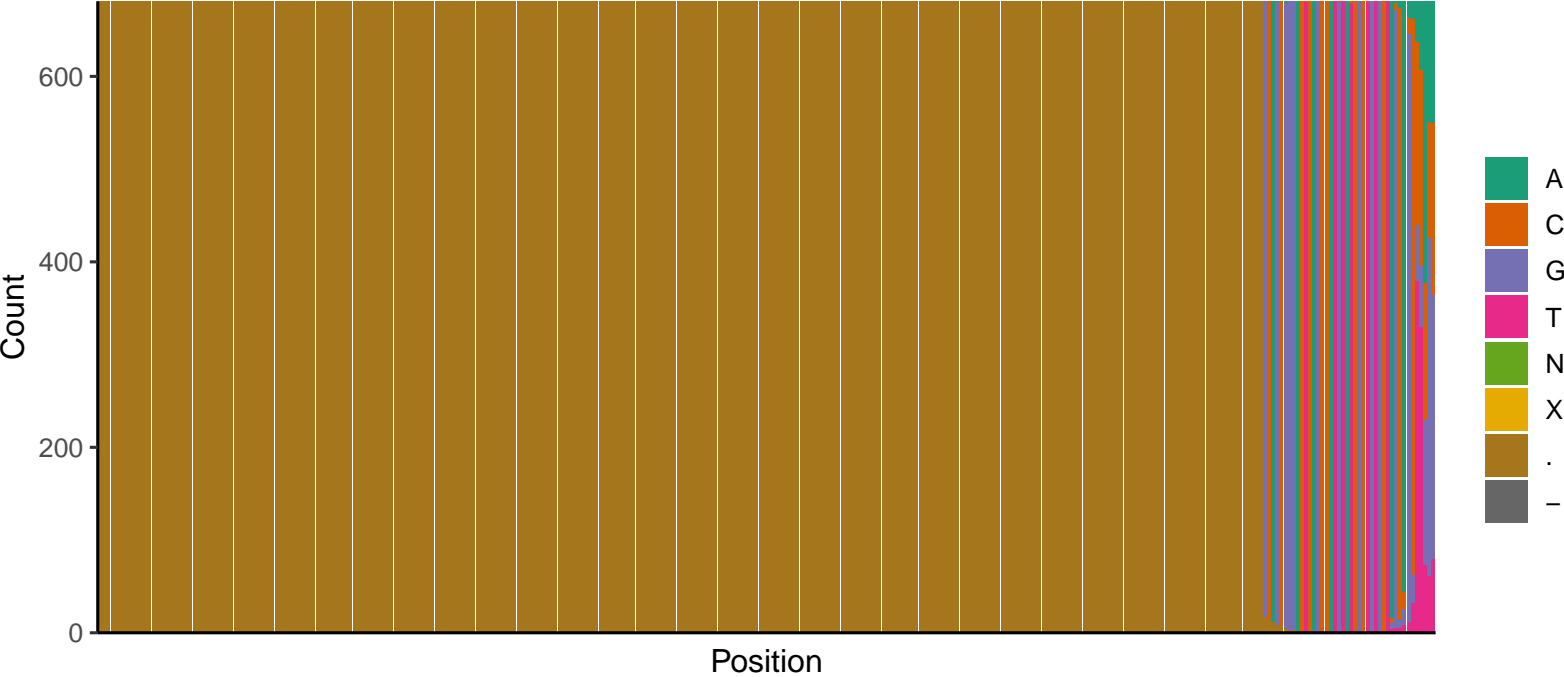
Gene TRBV7-7*ap01_C315T



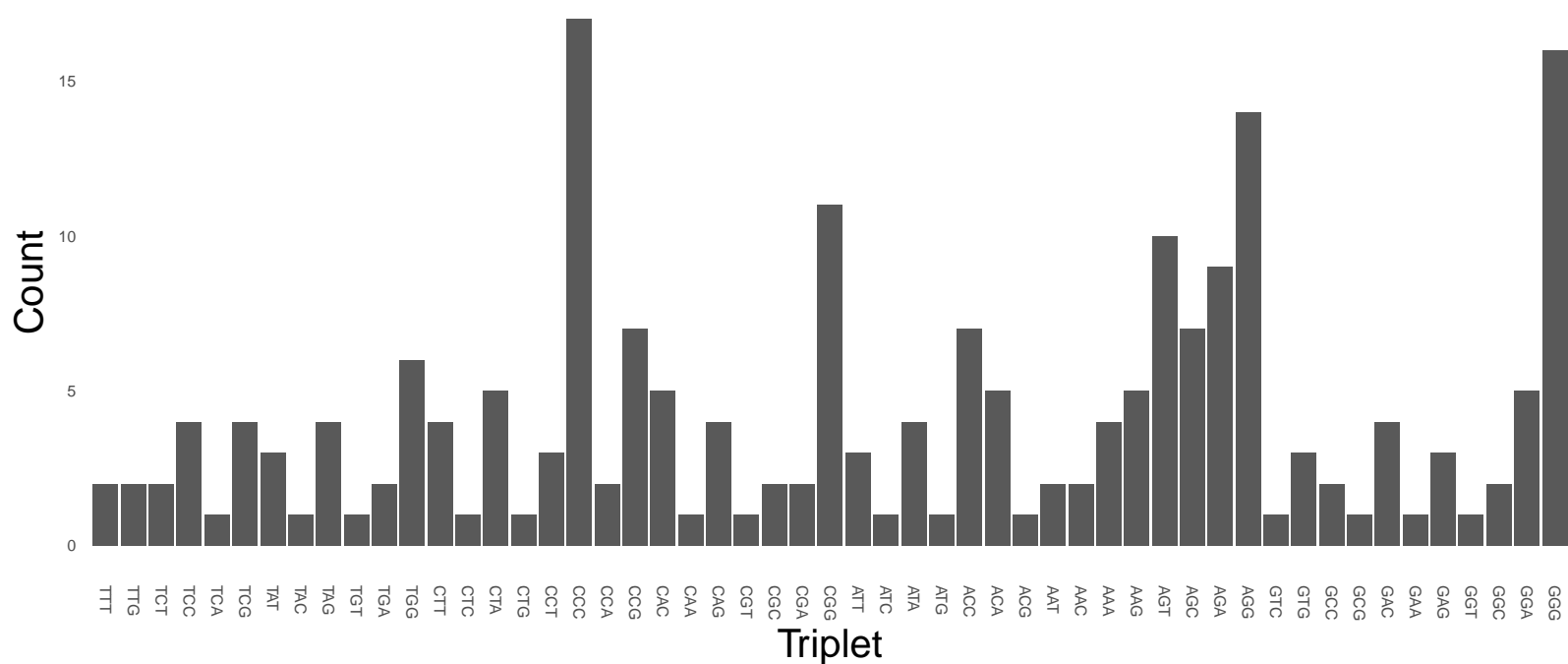
Gene TRBV7-1*ap01_G291C_T296C



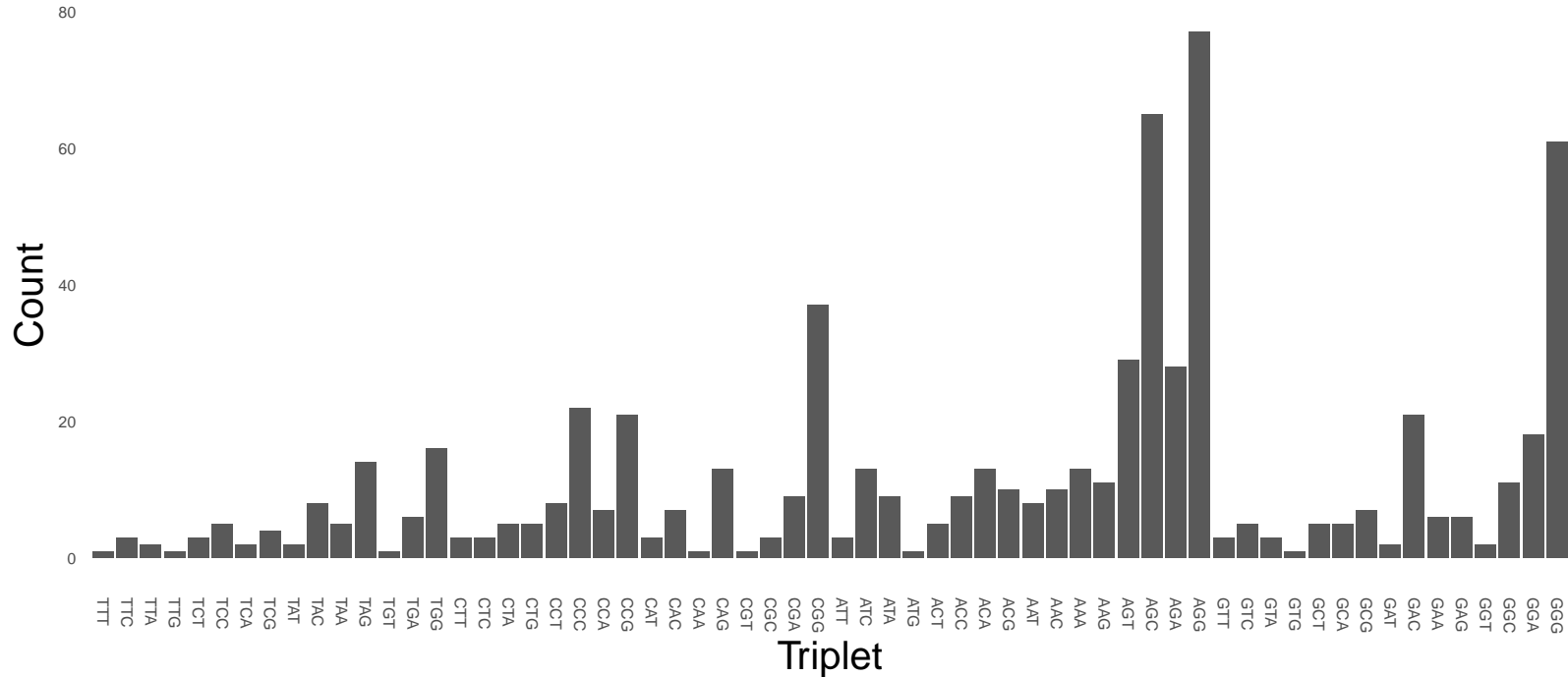
Gene TRBV7-7*ap01_C315T



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

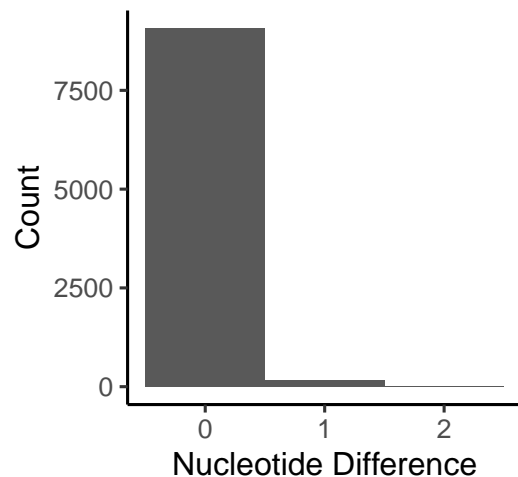


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



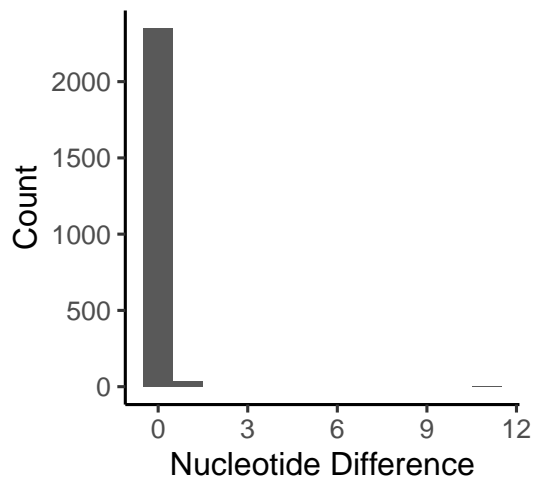
TRBV20-1*ap01

9228 sequences assigned
9068 (98.3%) exact matches, in which:
8939 unique CDR3
13 unique J



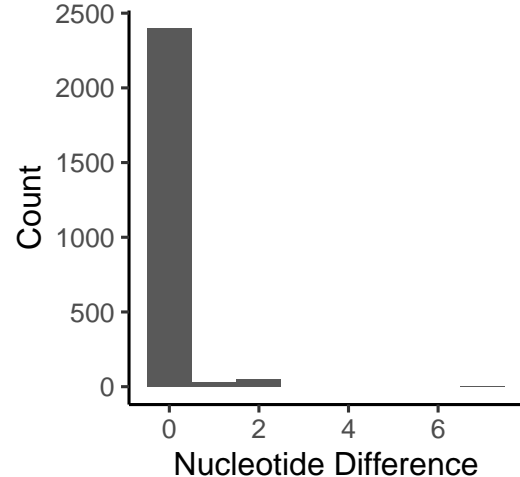
TRBV10-2*ap01

2383 sequences assigned
2349 (98.6%) exact matches, in which:
2280 unique CDR3
13 unique J



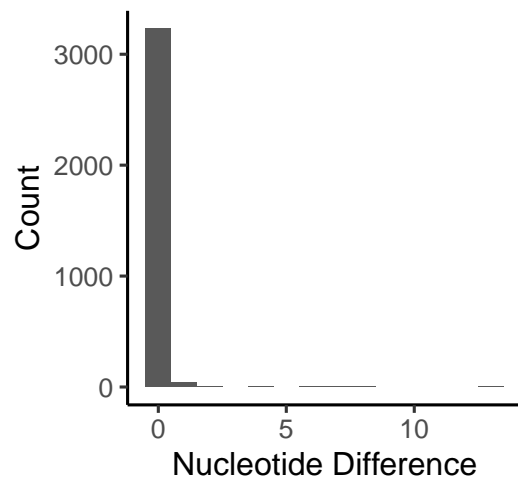
TRBV13*ap01

2476 sequences assigned
2398 (96.8%) exact matches, in which:
2348 unique CDR3
13 unique J



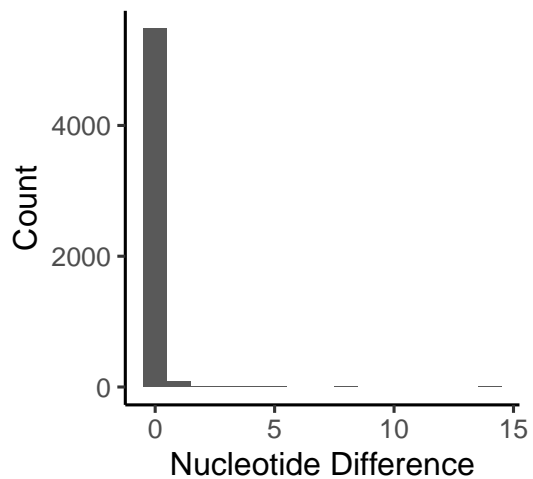
TRBV10-1*ap01

3278 sequences assigned
3230 (98.5%) exact matches, in which:
3161 unique CDR3
13 unique J



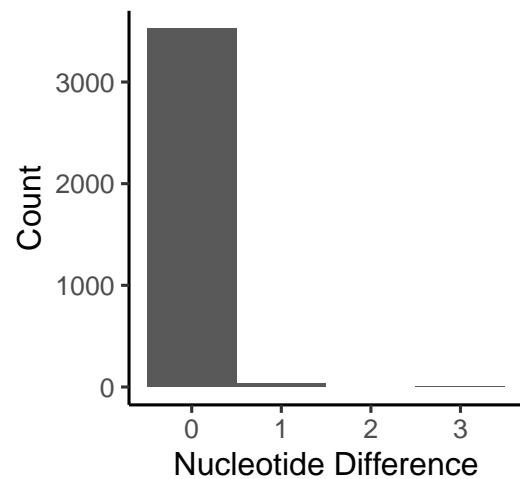
TRBV10-3*ap01

5566 sequences assigned
5479 (98.4%) exact matches, in which:
5371 unique CDR3
13 unique J



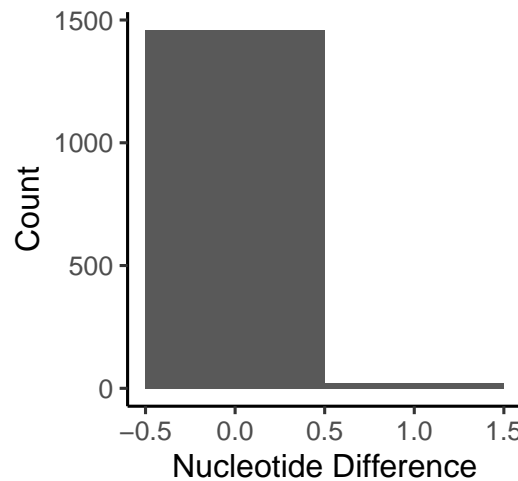
TRBV14*ap01

3563 sequences assigned
3524 (98.9%) exact matches, in which:
3461 unique CDR3
13 unique J



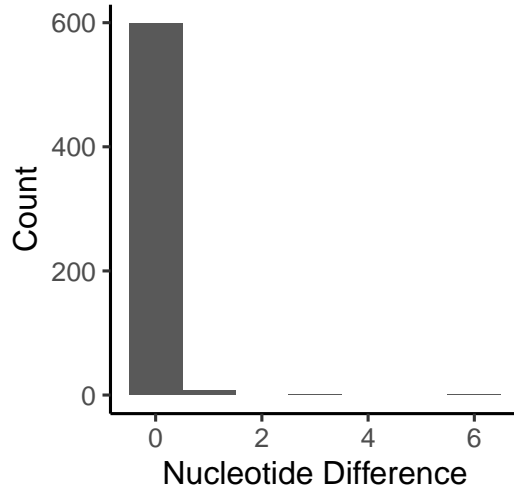
TRBV20-1*ap02

1481 sequences assigned
1459 (98.5%) exact matches, in which:
1440 unique CDR3
13 unique J



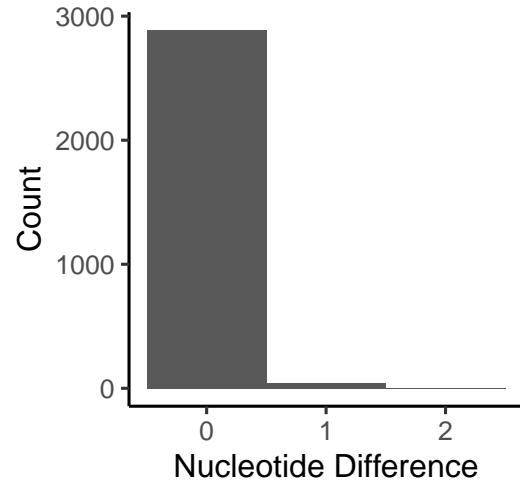
TRBV1*ap01

608 sequences assigned
599 (98.5%) exact matches, in which:
586 unique CDR3
13 unique J



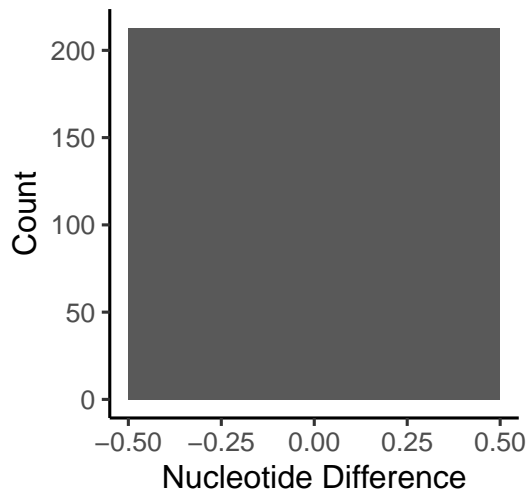
TRBV15*ap02

2932 sequences assigned
2888 (98.5%) exact matches, in which:
2842 unique CDR3
13 unique J



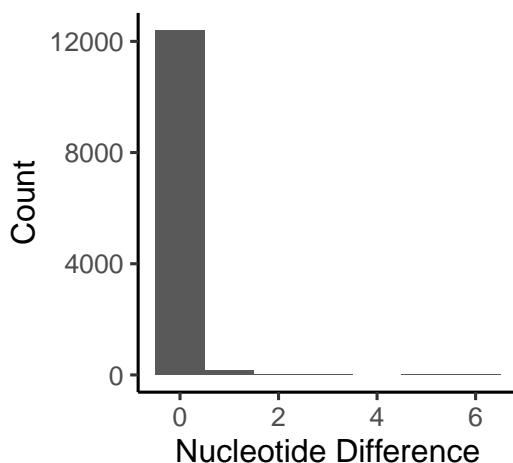
TRBV16*ap01

213 sequences assigned
213 (100%) exact matches, in which:
213 unique CDR3
13 unique J



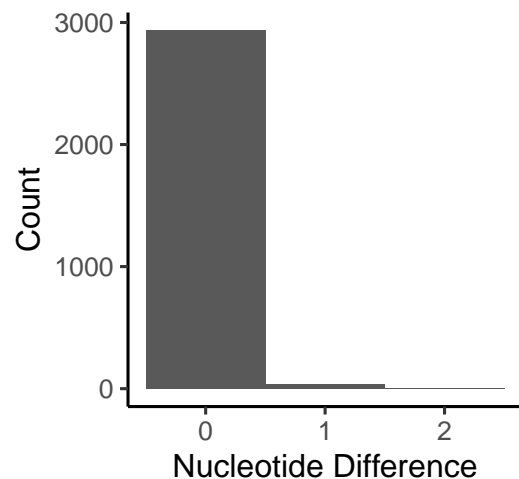
TRBV2*ap01

12567 sequences assigned
12404 (98.7%) exact matches, in which:
12185 unique CDR3
13 unique J



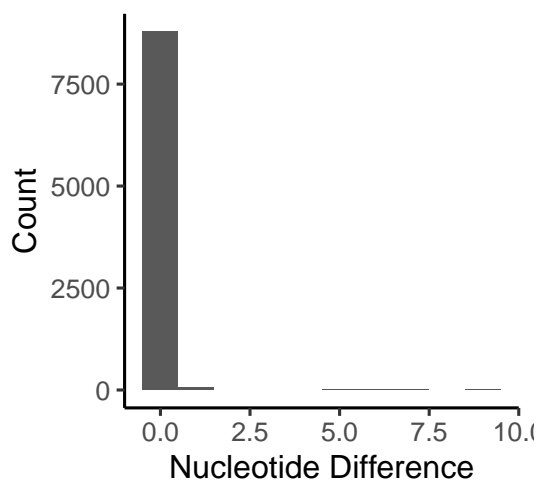
TRBV28*ap01

2973 sequences assigned
2935 (98.7%) exact matches, in which:
2882 unique CDR3
13 unique J



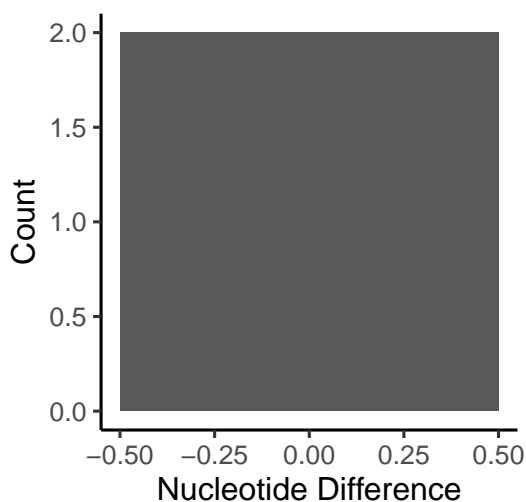
TRBV18*ap01

8846 sequences assigned
8784 (99.3%) exact matches, in which:
8658 unique CDR3
13 unique J



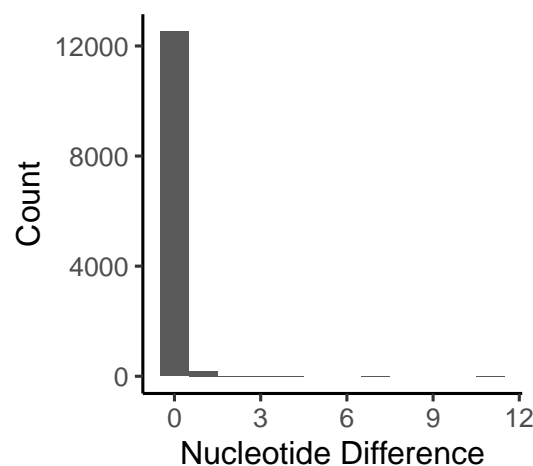
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



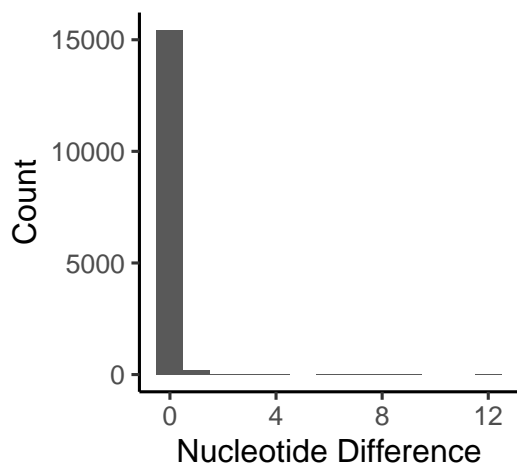
TRBV30*ap01

12727 sequences assigned
12526 (98.4%) exact matches, in which:
12367 unique CDR3
13 unique J



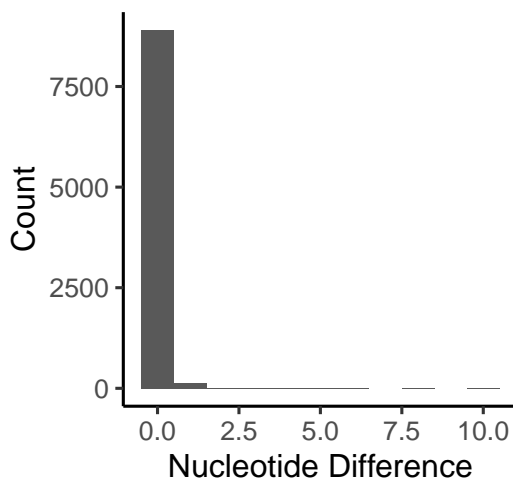
TRBV19*ap01

15654 sequences assigned
15446 (98.7%) exact matches, in which:
15258 unique CDR3
13 unique J



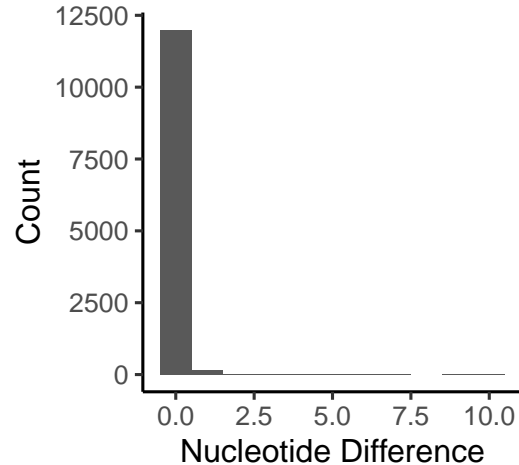
TRBV27*ap01

9047 sequences assigned
8903 (98.4%) exact matches, in which:
8689 unique CDR3
13 unique J



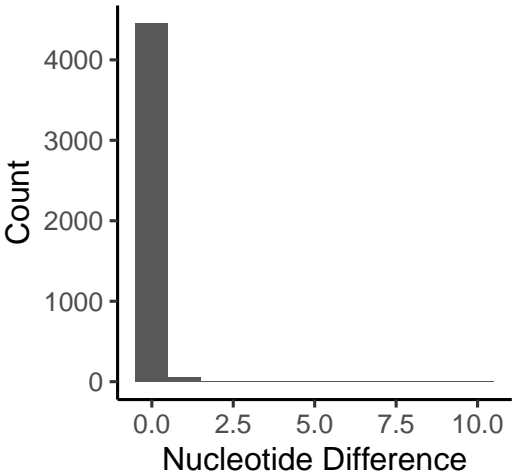
TRBV9*ap01

12162 sequences assigned
11996 (98.6%) exact matches, in which:
11768 unique CDR3
13 unique J



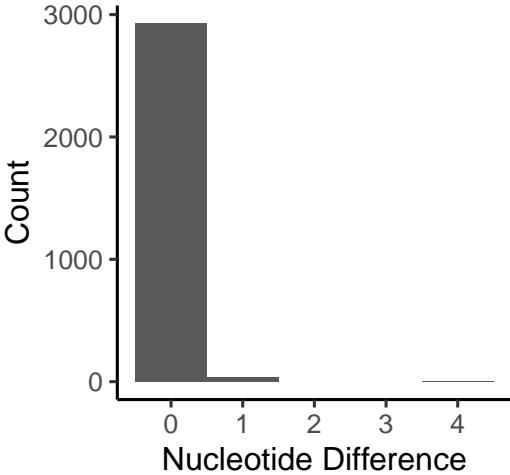
TRBV21-1*ap01

4535 sequences assigned
4453 (98.2%) exact matches, in which:
4382 unique CDR3
14 unique J



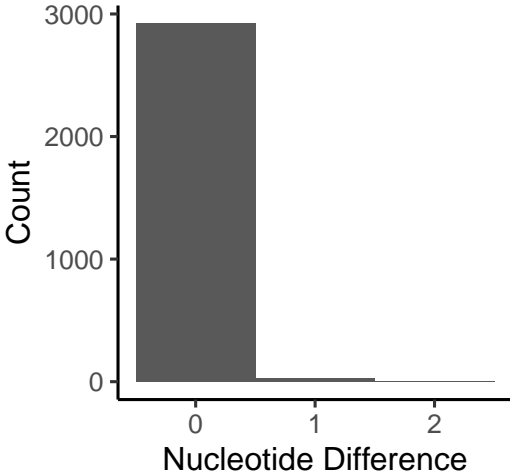
TRBV11-3*ap01

2967 sequences assigned
2928 (98.7%) exact matches, in which:
2878 unique CDR3
13 unique J



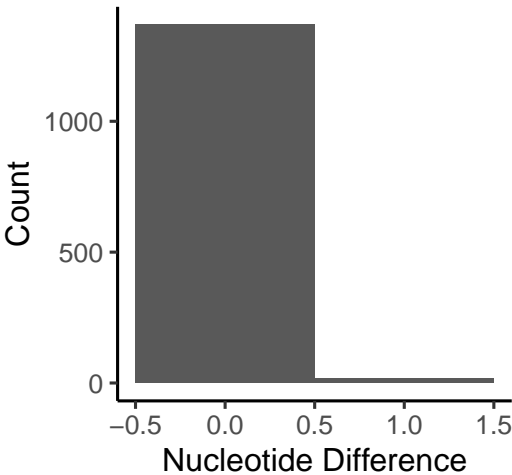
TRBV12-5*ap01

2957 sequences assigned
2923 (98.9%) exact matches, in which:
2865 unique CDR3
13 unique J



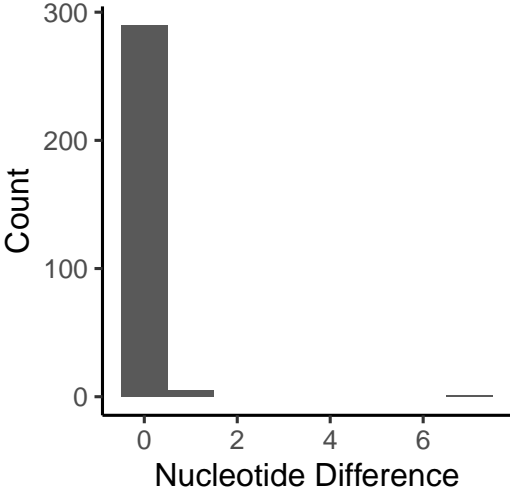
TRBV11-1*ap01

1387 sequences assigned
1369 (98.7%) exact matches, in which:
1338 unique CDR3
13 unique J



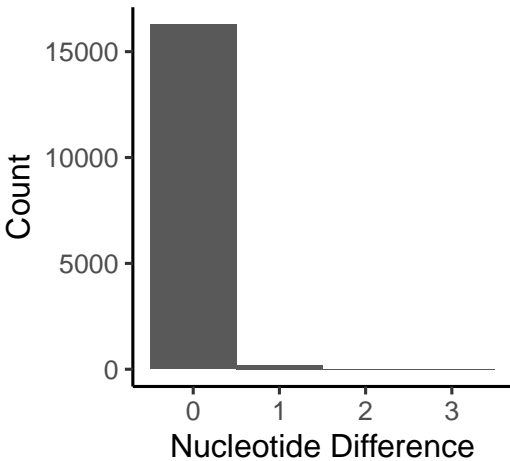
TRBV12-1*ap01

296 sequences assigned
290 (98%) exact matches, in which:
288 unique CDR3
13 unique J



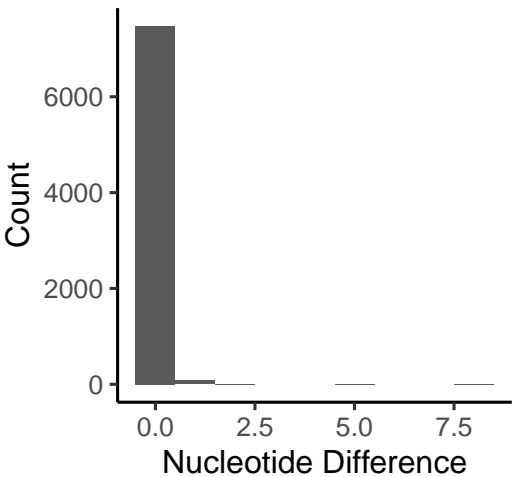
TRBV12-34*ap01

16497 sequences assigned
16284 (98.7%) exact matches, in which:
16016 unique CDR3
13 unique J



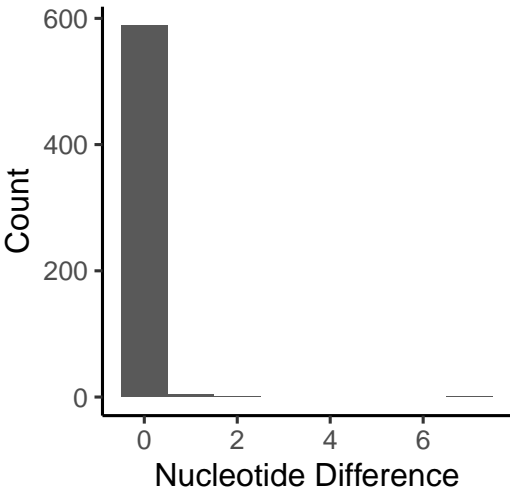
TRBV11-2*ap01

7559 sequences assigned
7475 (98.9%) exact matches, in which:
7342 unique CDR3
13 unique J



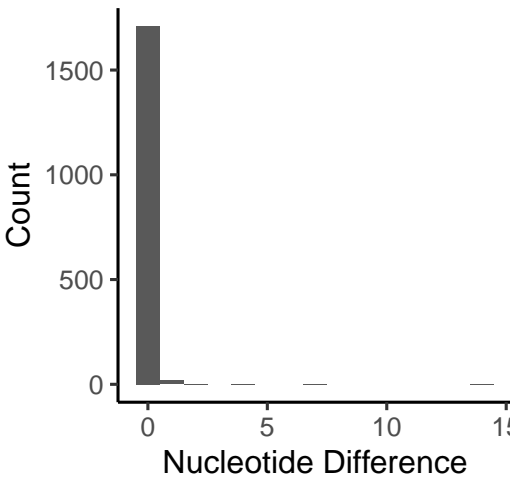
TRBV12-2*ap01

595 sequences assigned
589 (99%) exact matches, in which:
580 unique CDR3
13 unique J



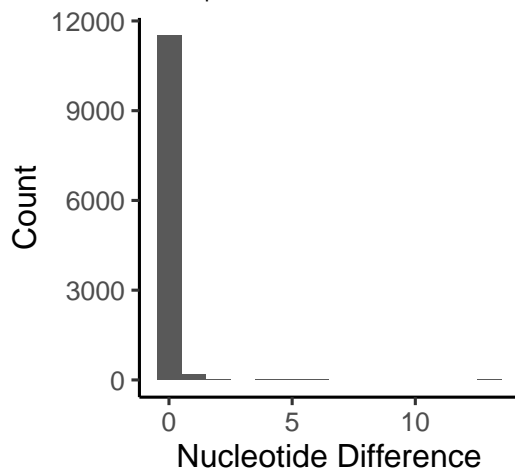
TRBV23-1*ap01

1733 sequences assigned
1710 (98.7%) exact matches, in which:
1686 unique CDR3
13 unique J



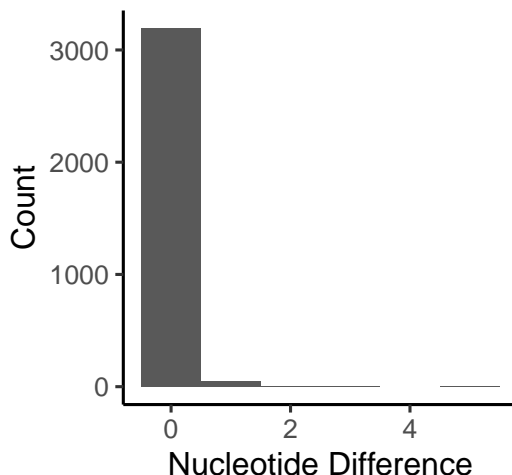
TRBV3–12*ap01

11705 sequences assigned
11525 (98.5%) exact matches, in which:
11298 unique CDR3
13 unique J



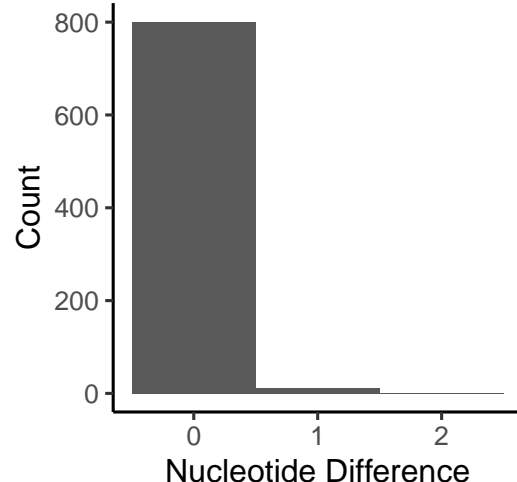
TRBV4–2*ap01

3247 sequences assigned
3192 (98.3%) exact matches, in which:
3127 unique CDR3
13 unique J



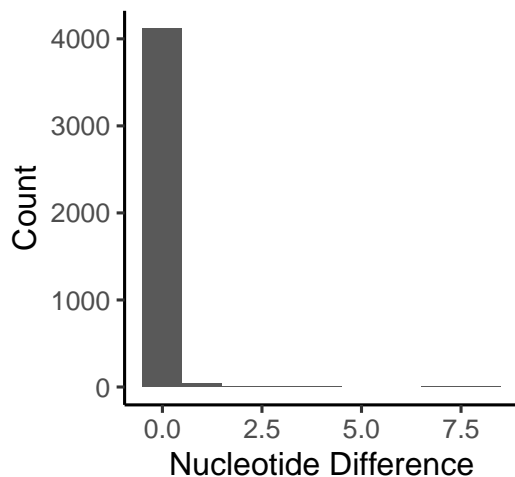
TRBV5–3*ap01

813 sequences assigned
801 (98.5%) exact matches, in which:
788 unique CDR3
13 unique J



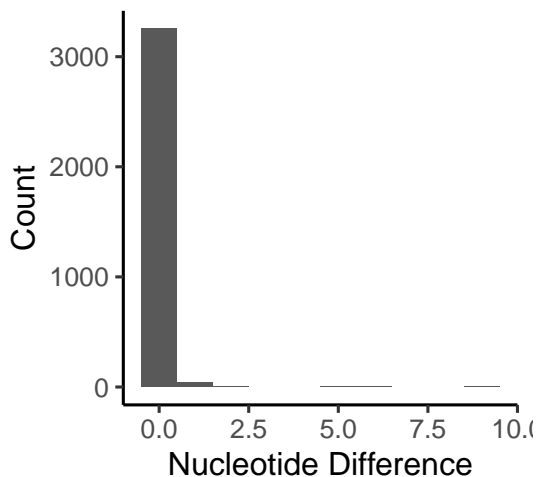
TRBV24–1*ap01

4170 sequences assigned
4116 (98.7%) exact matches, in which:
4061 unique CDR3
13 unique J



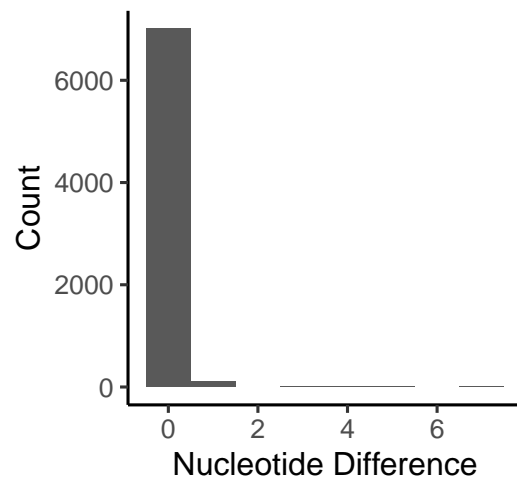
TRBV25–1*ap01

3302 sequences assigned
3254 (98.5%) exact matches, in which:
3207 unique CDR3
13 unique J



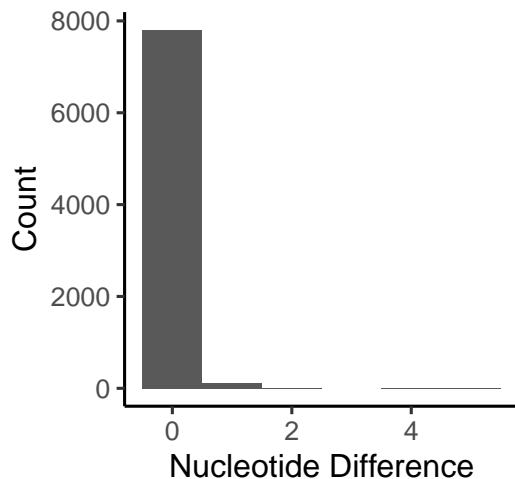
TRBV5–4*ap01

7123 sequences assigned
7009 (98.4%) exact matches, in which:
6858 unique CDR3
13 unique J



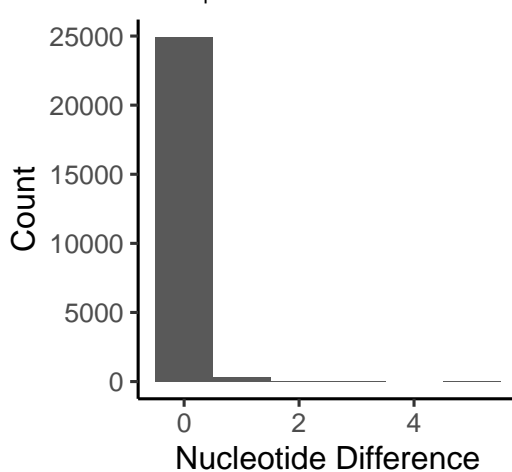
TRBV4–1*ap01

7915 sequences assigned
7801 (98.6%) exact matches, in which:
7647 unique CDR3
14 unique J



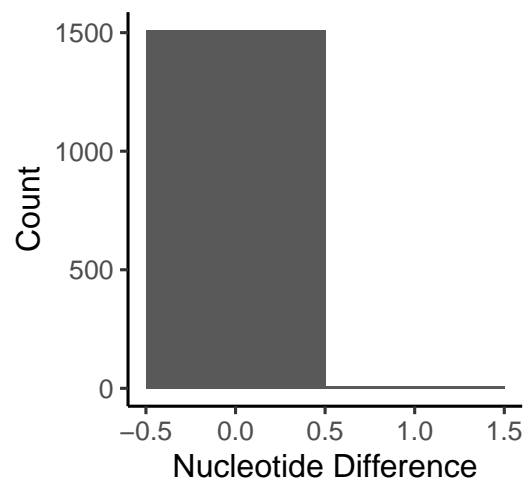
TRBV5–1*ap01

25314 sequences assigned
24946 (98.5%) exact matches, in which:
24385 unique CDR3
13 unique J



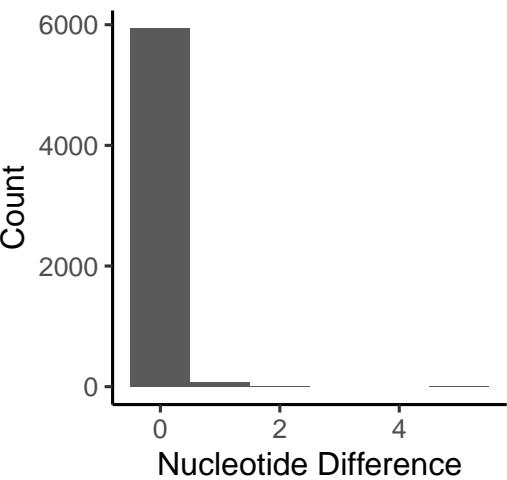
TRBV5–5*ap01

1520 sequences assigned
1511 (99.4%) exact matches, in which:
1491 unique CDR3
13 unique J



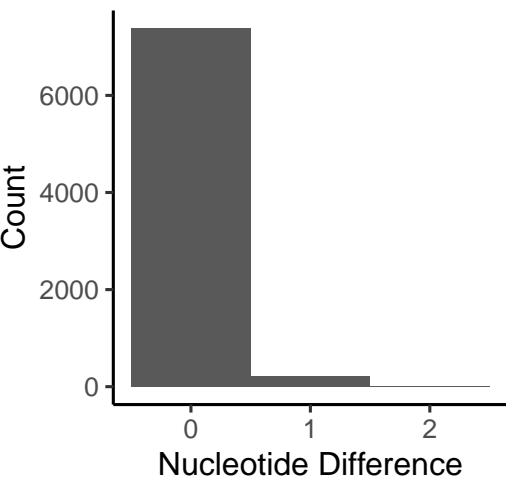
TRBV5-6*ap01

6022 sequences assigned
5939 (98.6%) exact matches, in which:
5798 unique CDR3
13 unique J



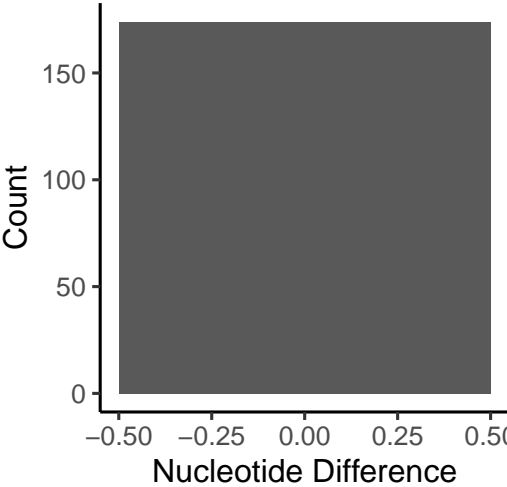
TRBV6-1*ap01

7604 sequences assigned
7380 (97.1%) exact matches, in which:
7242 unique CDR3
13 unique J



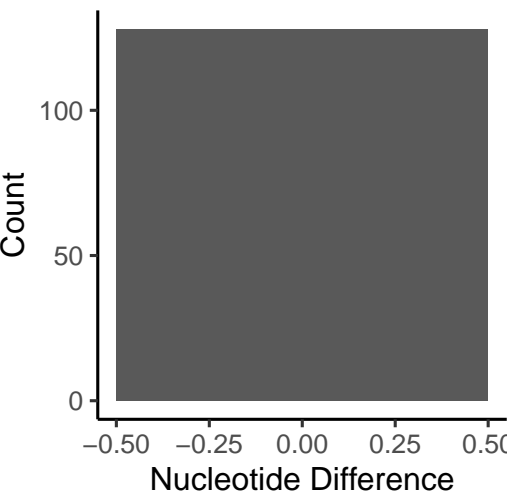
TRBV6-8*ap01

174 sequences assigned
174 (100%) exact matches, in which:
170 unique CDR3
13 unique J



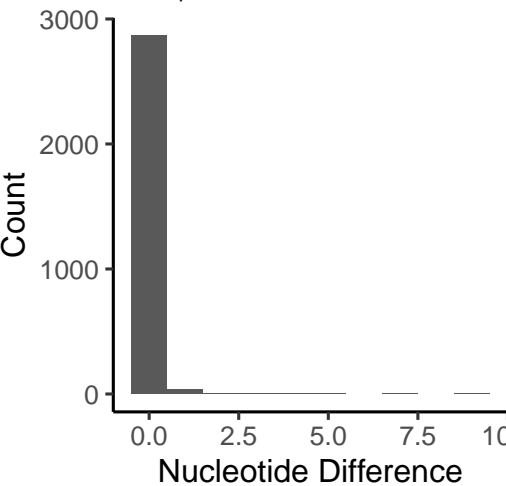
TRBV5-7*ap01

128 sequences assigned
128 (100%) exact matches, in which:
128 unique CDR3
13 unique J



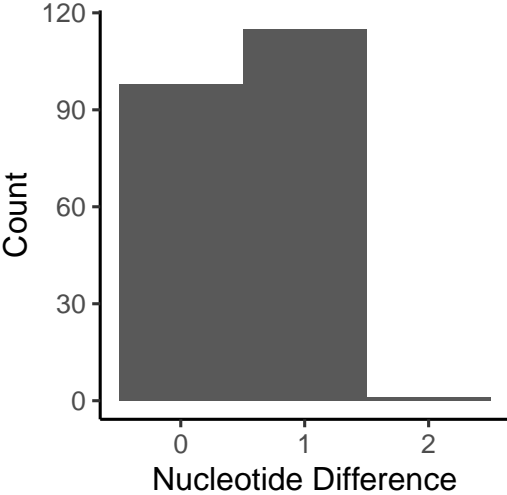
TRBV6-4*ap01

2914 sequences assigned
2866 (98.4%) exact matches, in which:
2816 unique CDR3
13 unique J



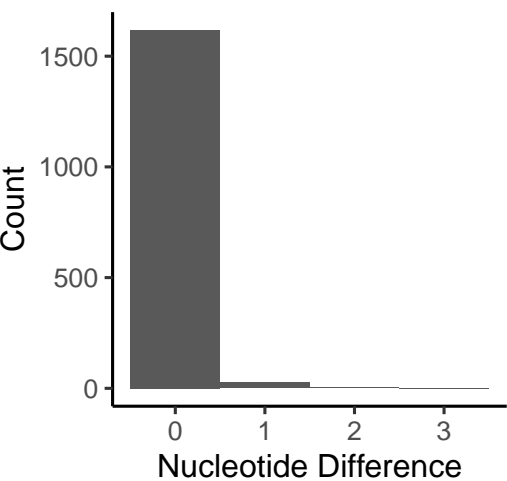
TRBV6-9*ap01

214 sequences assigned
98 (45.8%) exact matches, in which:
97 unique CDR3
13 unique J



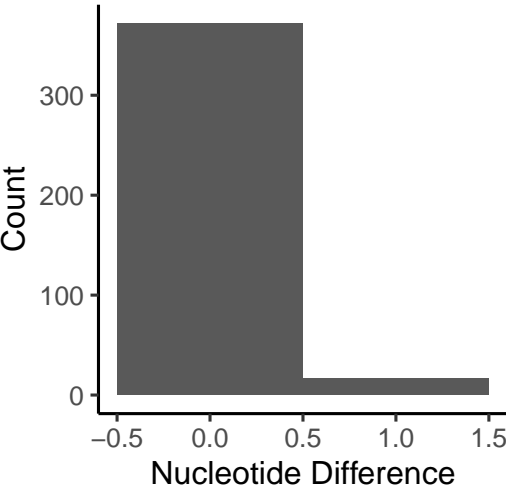
TRBV5-8*ap01

1649 sequences assigned
1618 (98.1%) exact matches, in which:
1596 unique CDR3
13 unique J



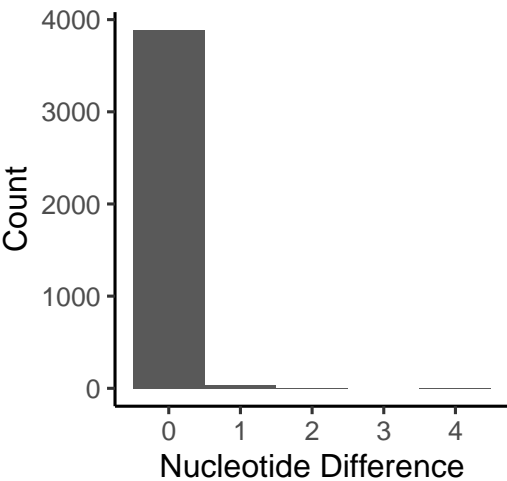
TRBV6-7*ap01

389 sequences assigned
372 (95.6%) exact matches, in which:
362 unique CDR3
13 unique J



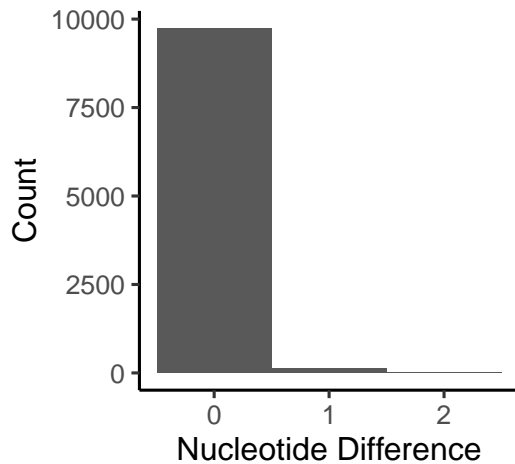
TRBV6-23*ap01

3929 sequences assigned
3887 (98.9%) exact matches, in which:
3820 unique CDR3
13 unique J



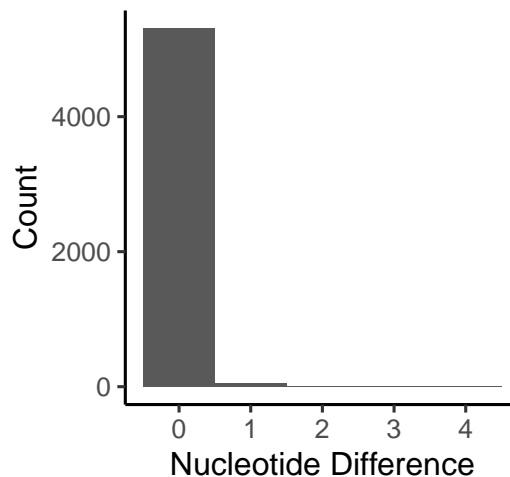
TRBV6-56*ap01

9884 sequences assigned
9744 (98.6%) exact matches, in which:
9541 unique CDR3
13 unique J



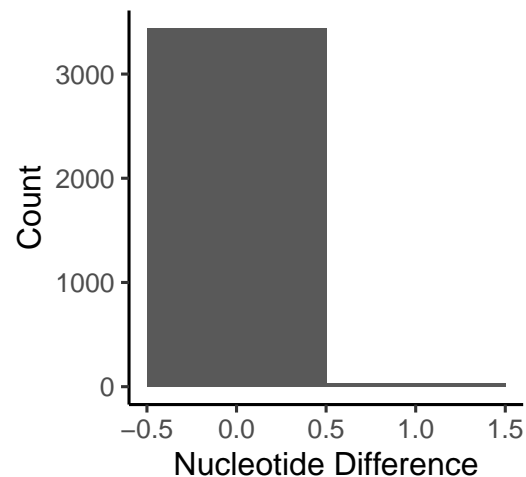
TRBV7-2*ap01

5365 sequences assigned
5307 (98.9%) exact matches, in which:
5226 unique CDR3
13 unique J



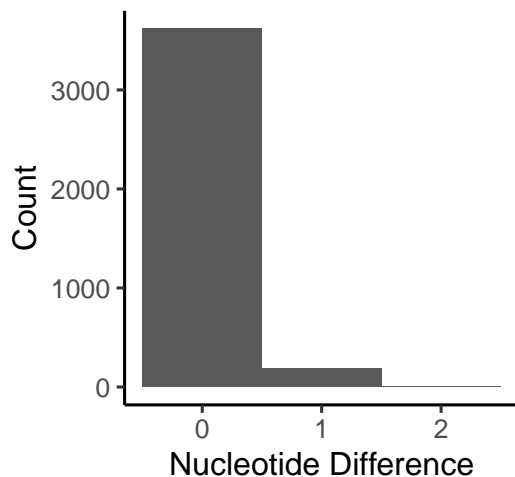
TRBV7-6*ap01

3472 sequences assigned
3438 (99%) exact matches, in which:
3366 unique CDR3
13 unique J



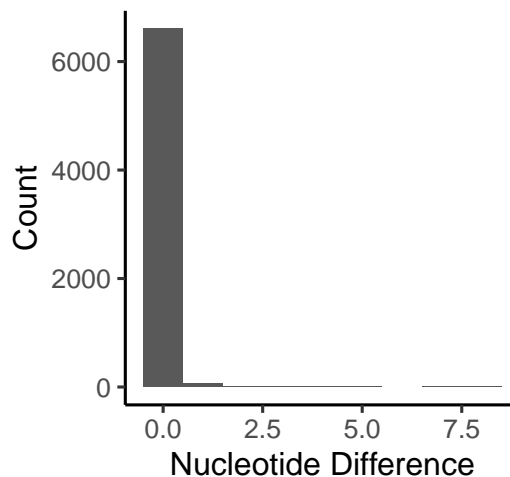
TRBV6-56*ap02

3810 sequences assigned
3618 (95%) exact matches, in which:
3533 unique CDR3
13 unique J



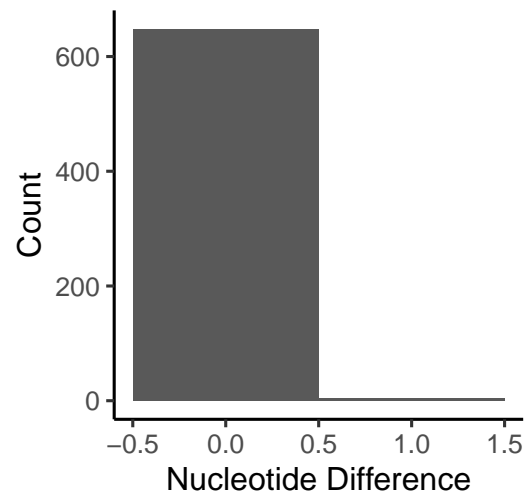
TRBV7-3*ap01

6687 sequences assigned
6605 (98.8%) exact matches, in which:
6492 unique CDR3
13 unique J



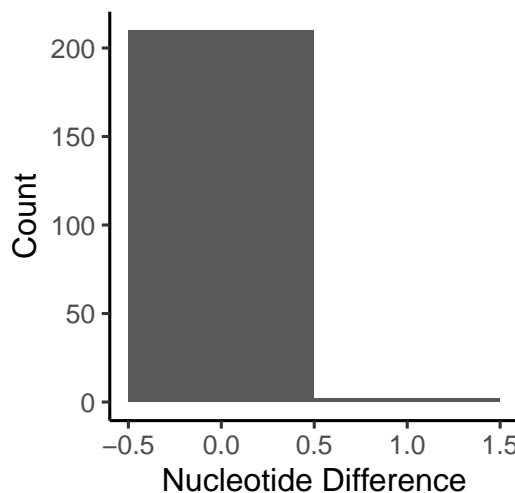
TRBV7-7*ap01

652 sequences assigned
648 (99.4%) exact matches, in which:
633 unique CDR3
13 unique J



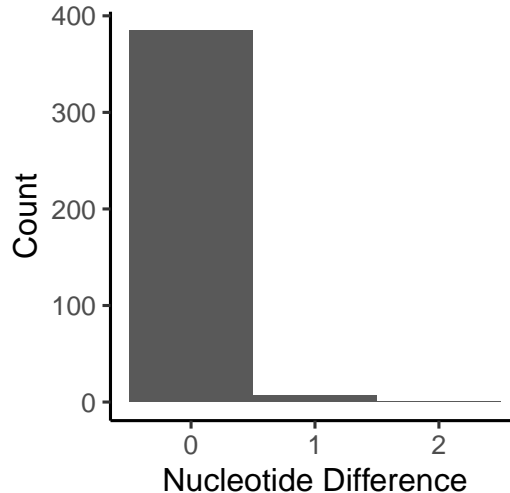
TRBV7-1*ap01_G291C_

212 sequences assigned
210 (99.1%) exact matches, in which:
209 unique CDR3
13 unique J



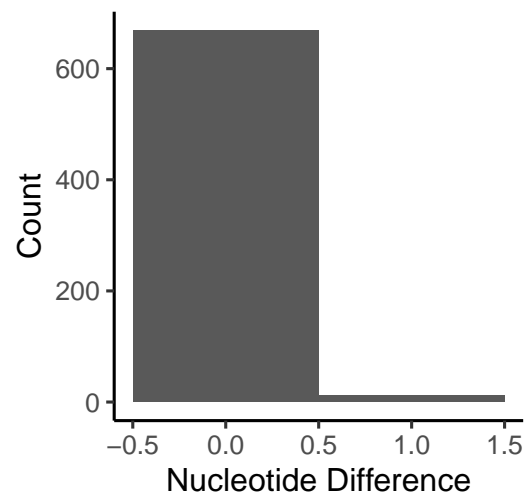
TRBV7-4*ap01

393 sequences assigned
385 (98%) exact matches, in which:
376 unique CDR3
13 unique J



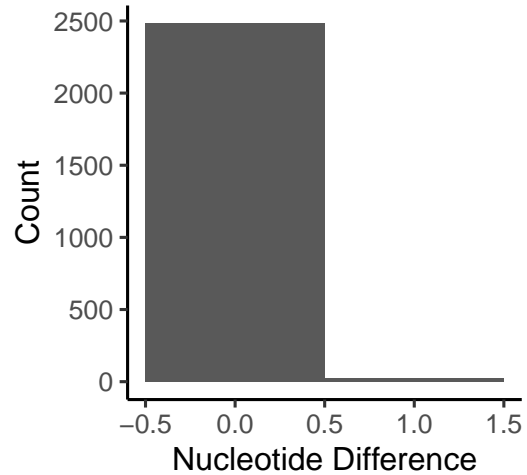
TRBV7-7*ap01_C315T

681 sequences assigned
669 (98.2%) exact matches, in which:
657 unique CDR3
13 unique J



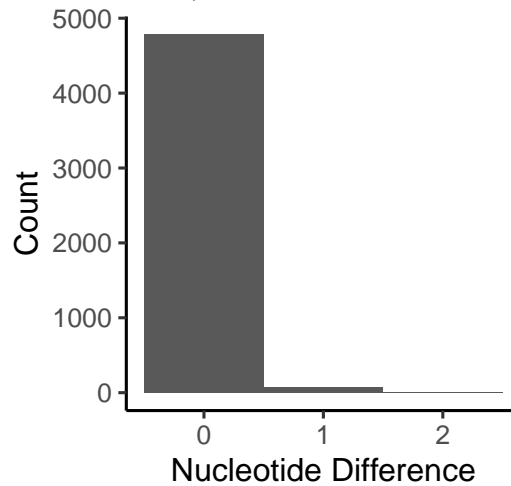
TRBV7-8*ap01

2509 sequences assigned
2483 (99%) exact matches, in which:
2435 unique CDR3
13 unique J



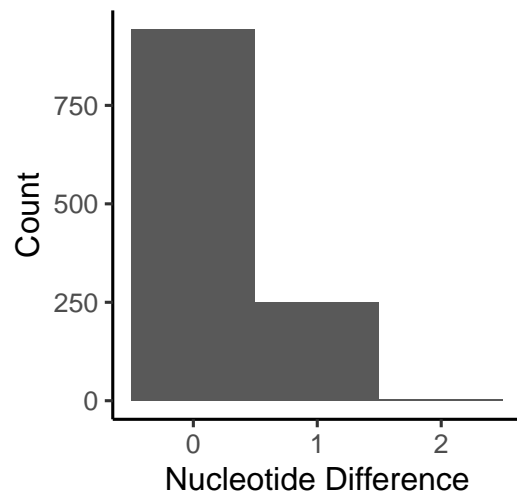
TRBV29-1*ap01

4856 sequences assigned
4784 (98.5%) exact matches, in which:
4707 unique CDR3
13 unique J



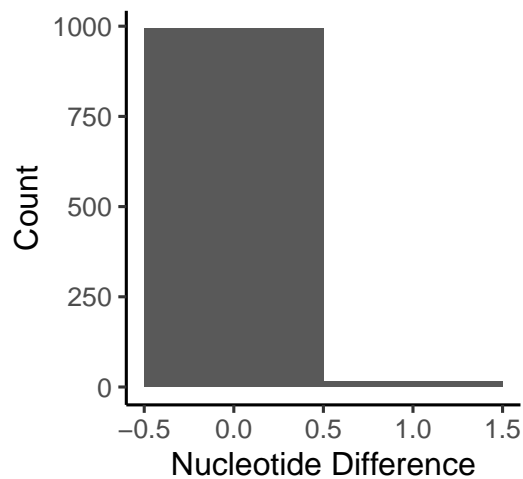
TRBV7-8*ap03

1197 sequences assigned
944 (78.9%) exact matches, in which:
920 unique CDR3
13 unique J



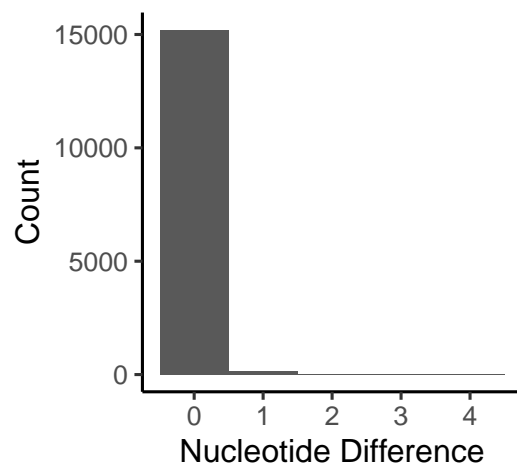
TRBV29-1*ap02

1009 sequences assigned
993 (98.4%) exact matches, in which:
977 unique CDR3
13 unique J

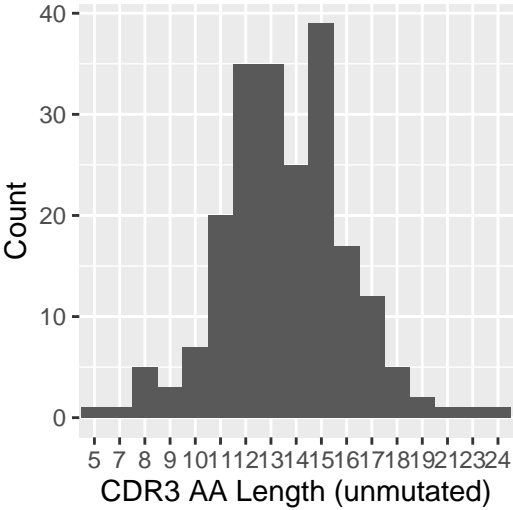


TRBV7-9*ap01

15363 sequences assigned
15207 (99%) exact matches, in which:
14995 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

