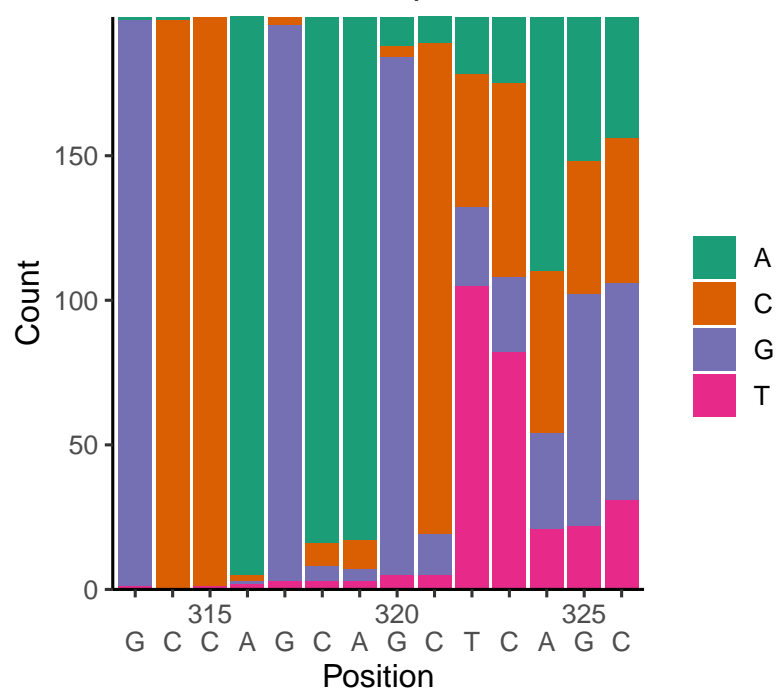
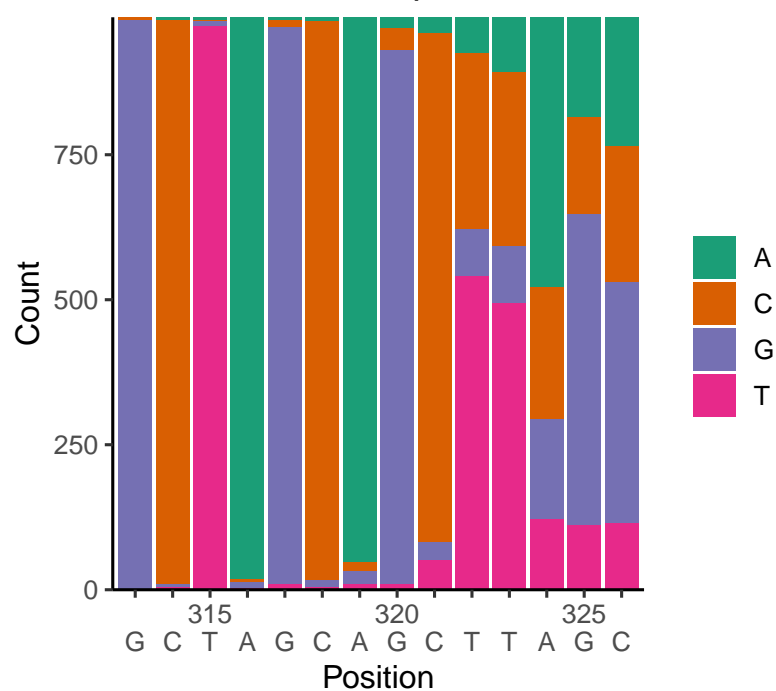


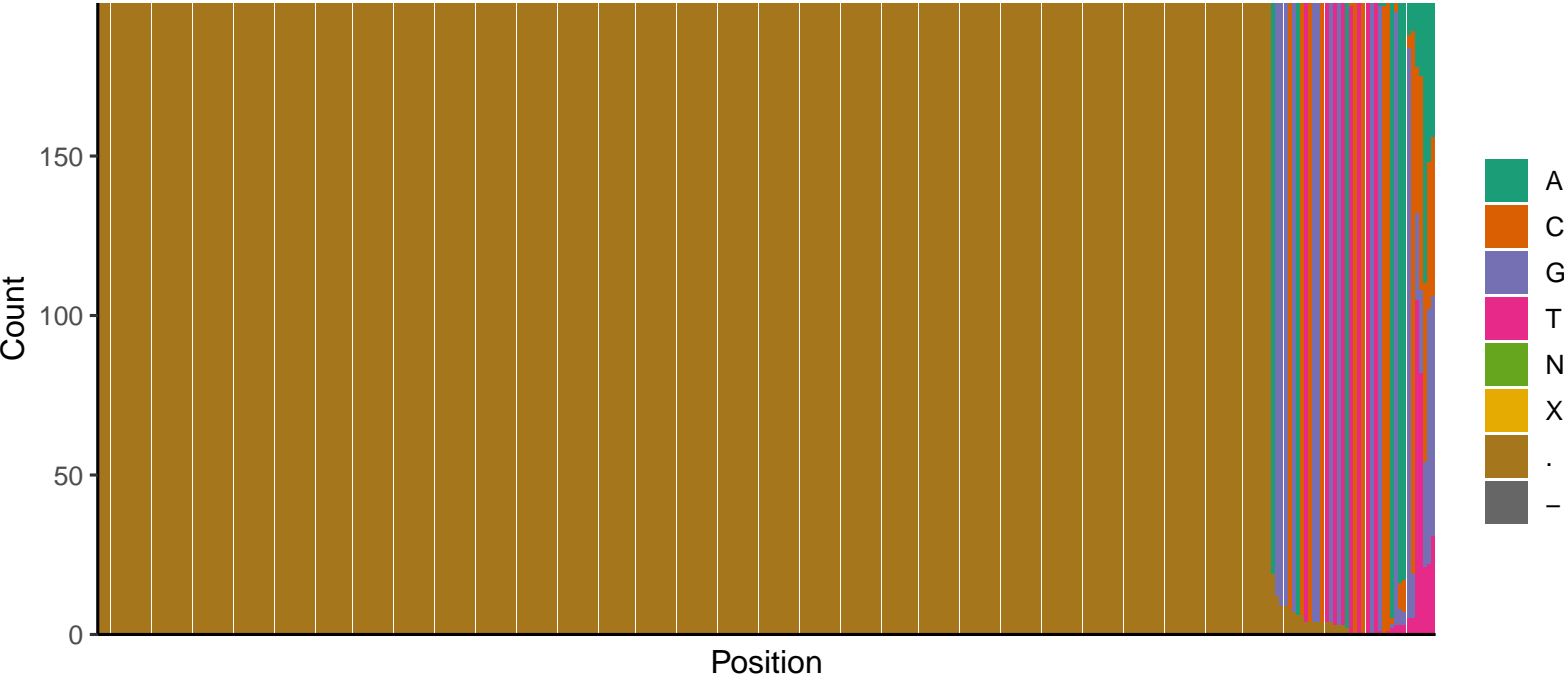
Gene TRBV7-1*ap01_G291C_T296C



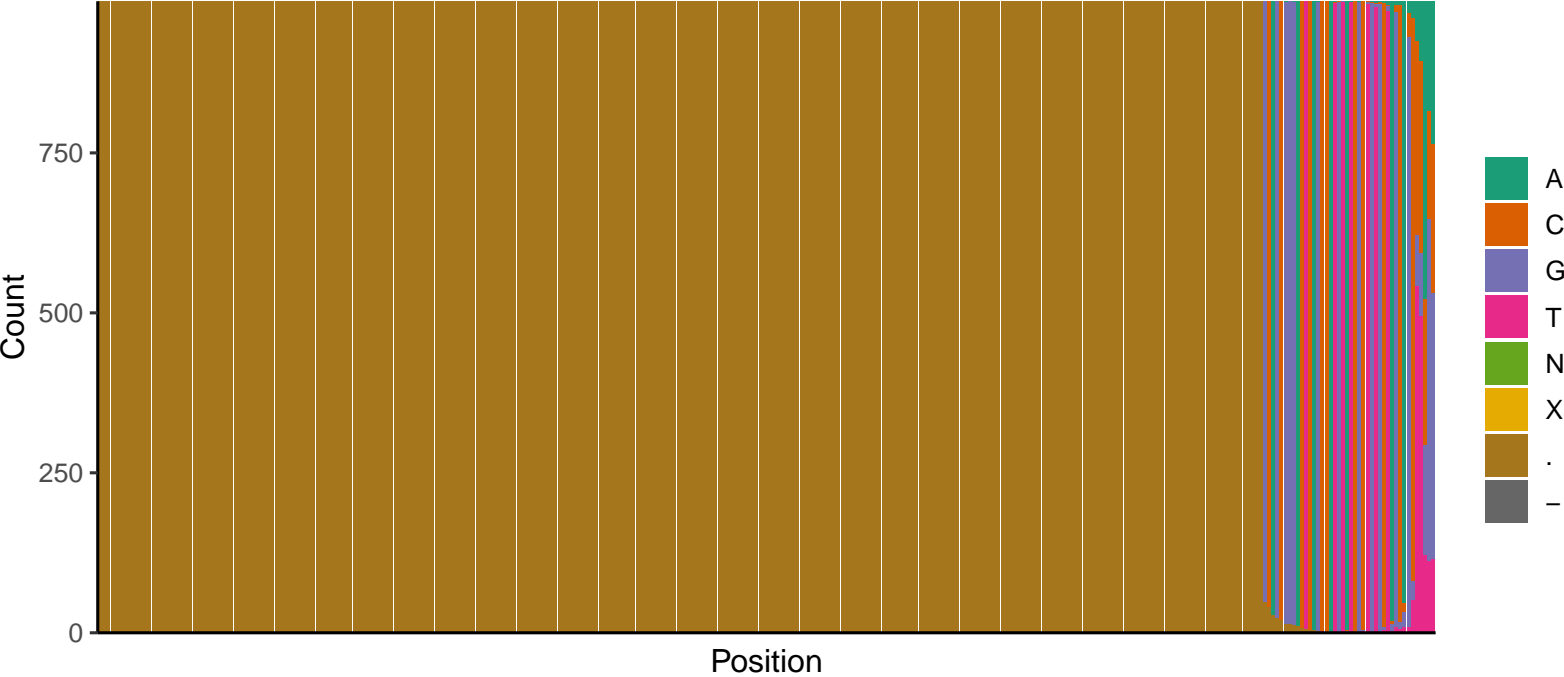
Gene TRBV7-7*ap01_C315T



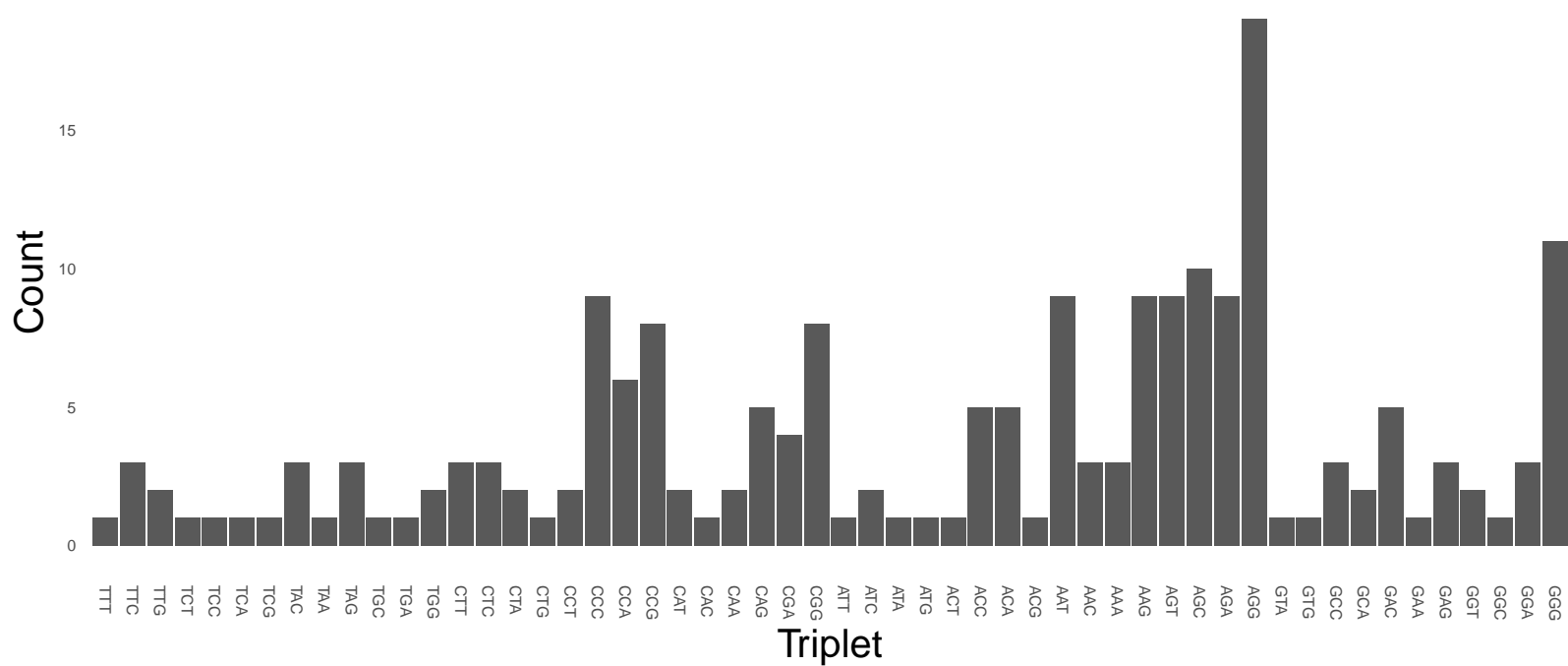
Gene TRBV7-1*ap01_G291C_T296C



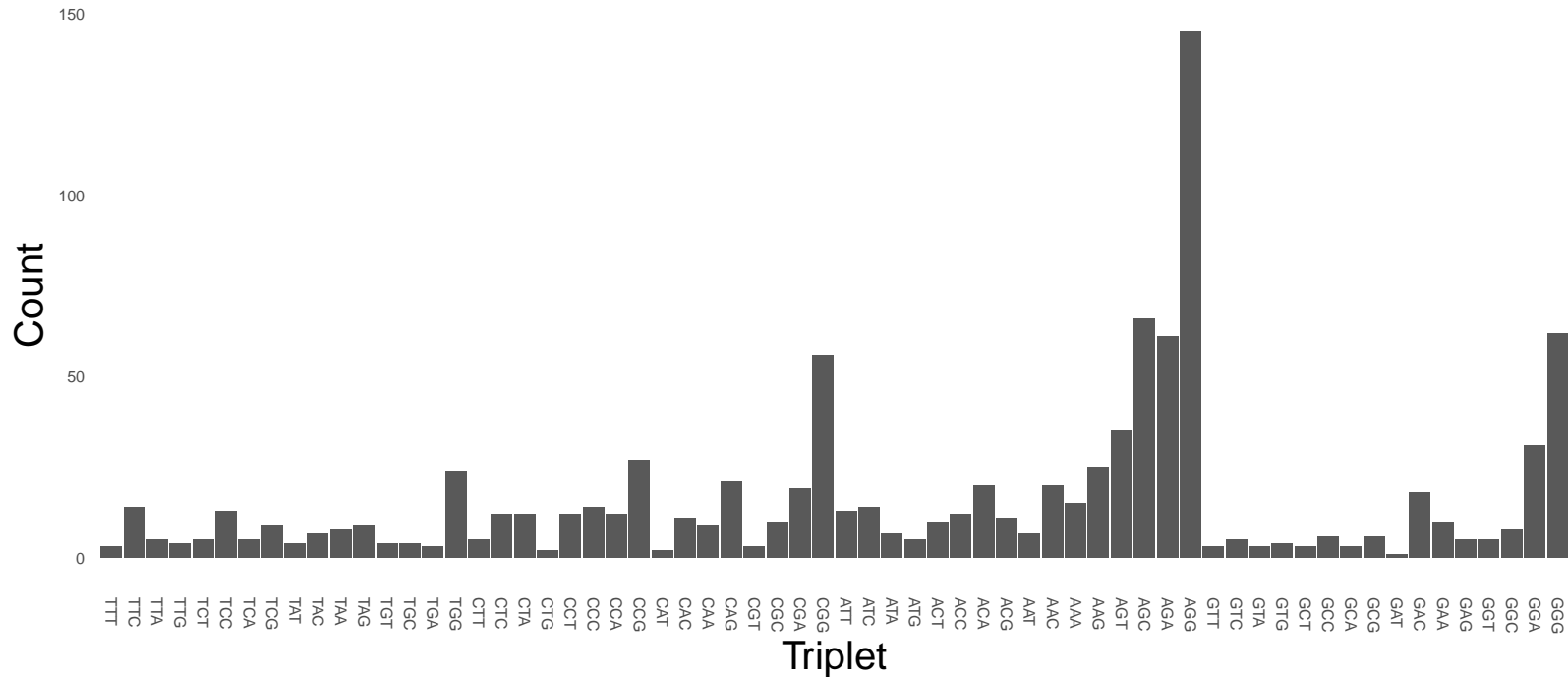
Gene TRBV7-7*ap01_C315T



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

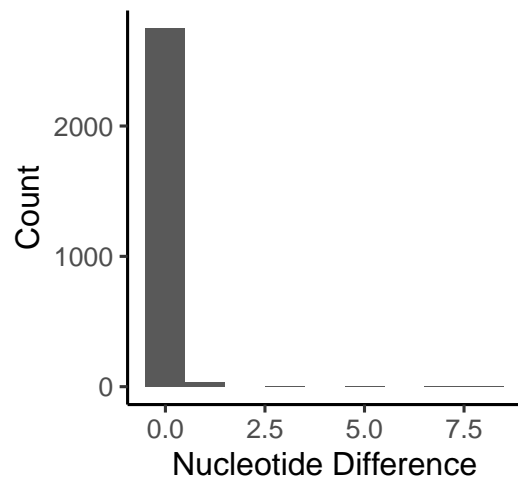


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



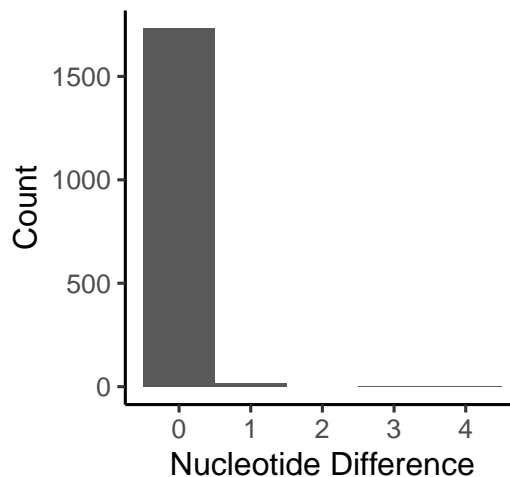
TRBV10-1*ap01

2785 sequences assigned
2749 (98.7%) exact matches, in which:
2681 unique CDR3
14 unique J



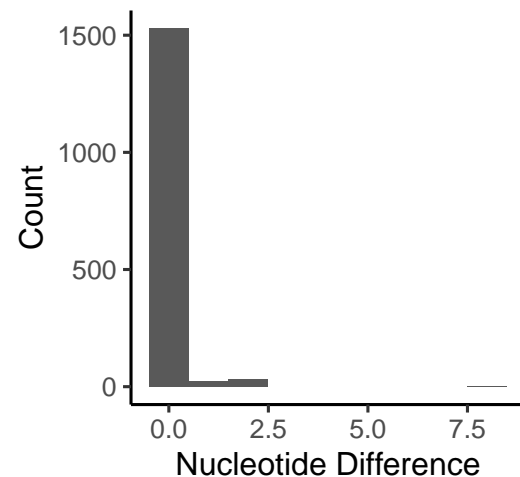
TRBV10-2*ap01

1751 sequences assigned
1732 (98.9%) exact matches, in which:
1689 unique CDR3
13 unique J



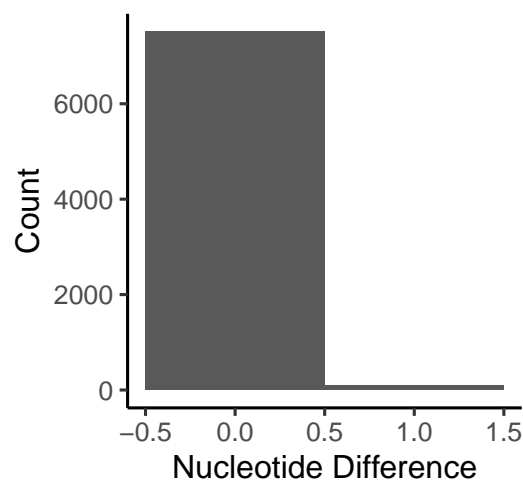
TRBV13*ap01

1584 sequences assigned
1529 (96.5%) exact matches, in which:
1482 unique CDR3
13 unique J



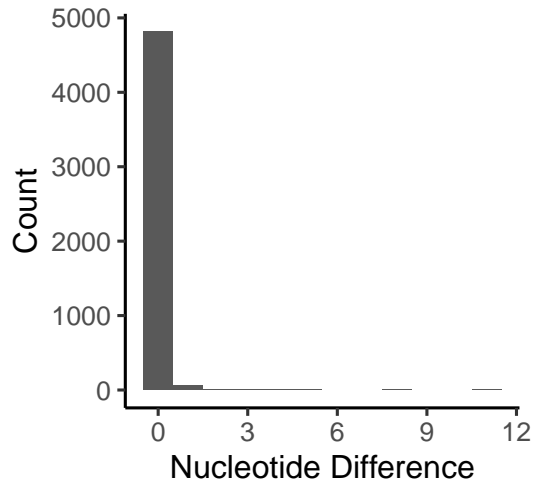
TRBV20-1*ap01

7597 sequences assigned
7510 (98.9%) exact matches, in which:
7414 unique CDR3
13 unique J



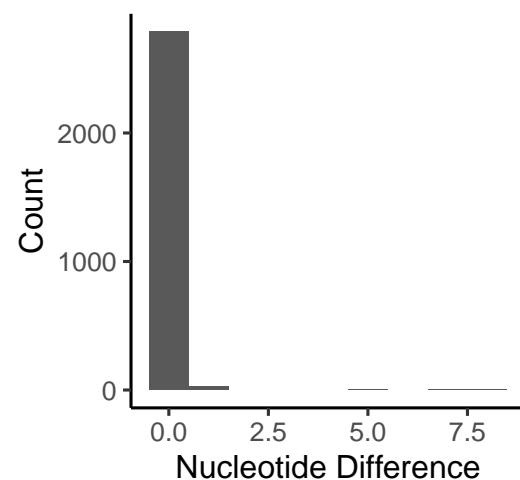
TRBV10-3*ap01

4879 sequences assigned
4814 (98.7%) exact matches, in which:
4689 unique CDR3
13 unique J



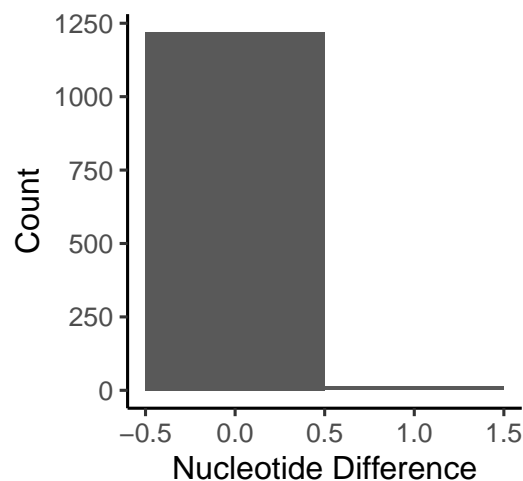
TRBV14*ap01

2816 sequences assigned
2788 (99%) exact matches, in which:
2749 unique CDR3
13 unique J



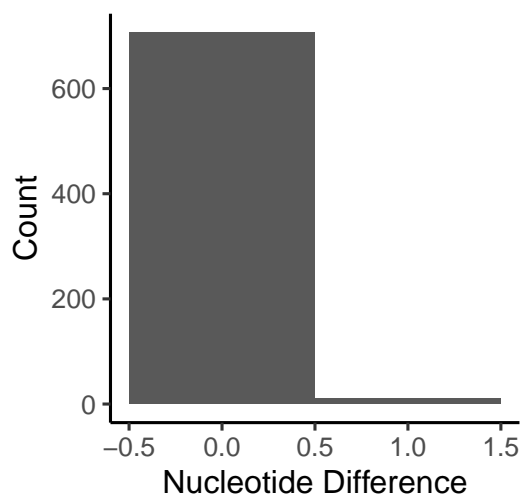
TRBV20-1*ap02

1233 sequences assigned
1220 (98.9%) exact matches, in which:
1199 unique CDR3
13 unique J



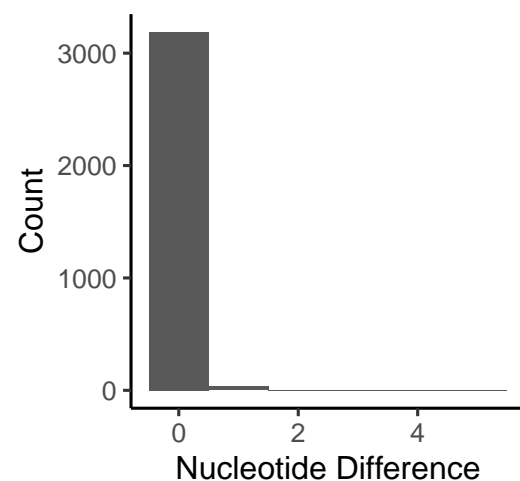
TRBV1*ap01

717 sequences assigned
707 (98.6%) exact matches, in which:
685 unique CDR3
13 unique J



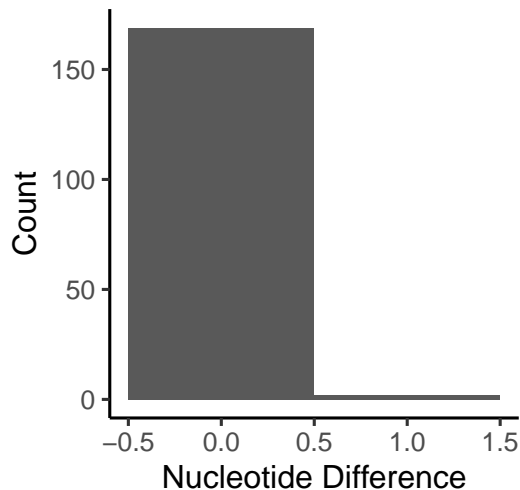
TRBV15*ap02

3226 sequences assigned
3188 (98.8%) exact matches, in which:
3128 unique CDR3
13 unique J



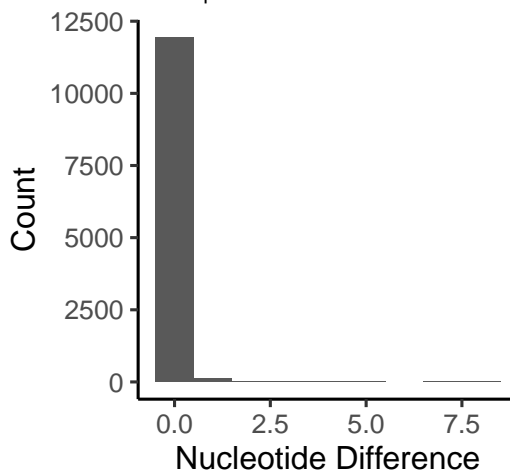
TRBV16*ap01

171 sequences assigned
169 (98.8%) exact matches, in which:
168 unique CDR3
13 unique J



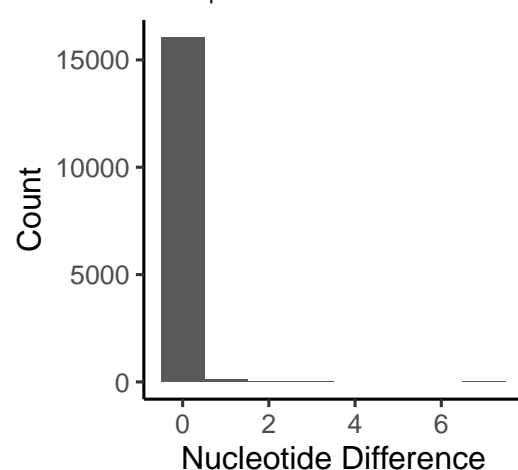
TRBV19*ap01

12094 sequences assigned
11948 (98.8%) exact matches, in which:
11821 unique CDR3
13 unique J



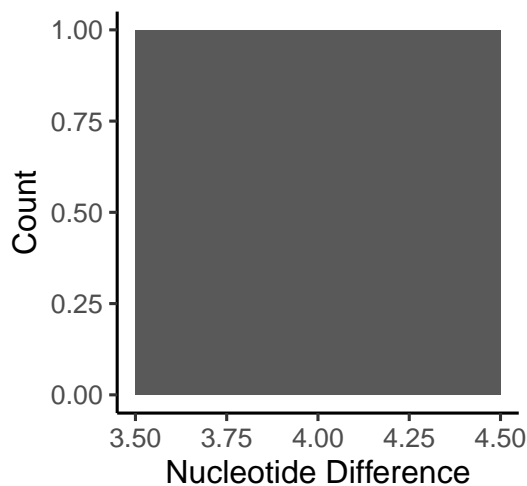
TRBV28*ap01

16187 sequences assigned
16060 (99.2%) exact matches, in which:
15879 unique CDR3
13 unique J



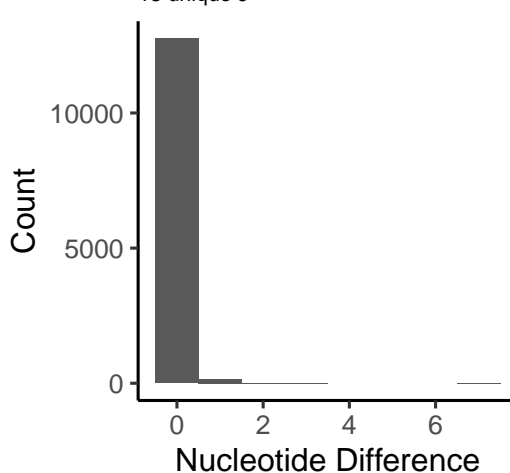
TRBV17*ap01

1 sequences assigned
No exact matches.



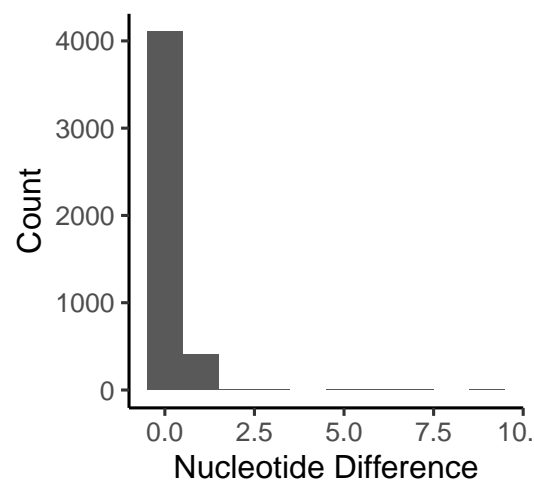
TRBV2*ap01

12913 sequences assigned
12757 (98.8%) exact matches, in which:
12430 unique CDR3
13 unique J



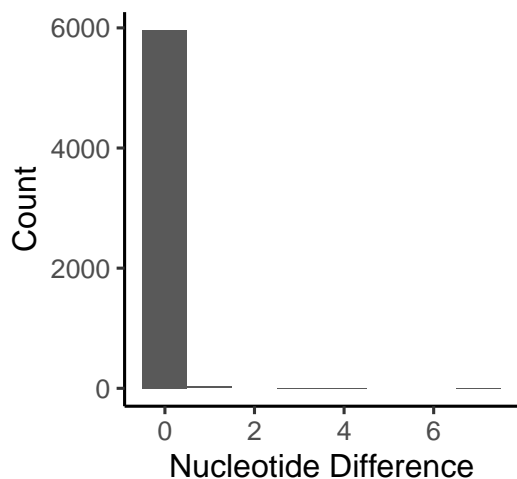
TRBV30*ap01

4533 sequences assigned
4105 (90.6%) exact matches, in which:
4013 unique CDR3
13 unique J



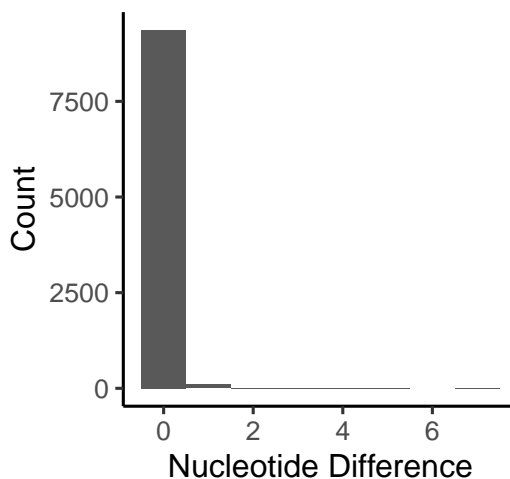
TRBV18*ap01

6000 sequences assigned
5964 (99.4%) exact matches, in which:
5908 unique CDR3
13 unique J



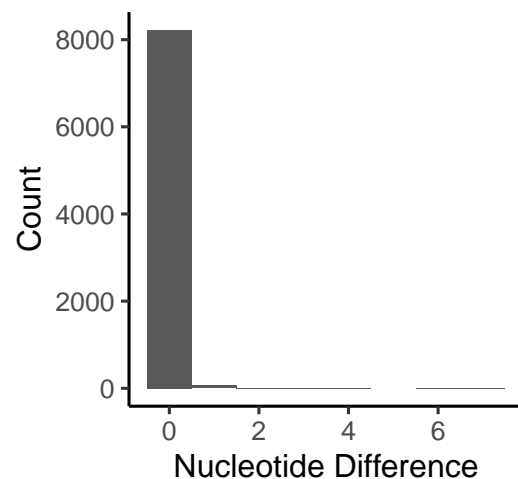
TRBV27*ap01

9478 sequences assigned
9364 (98.8%) exact matches, in which:
9224 unique CDR3
13 unique J



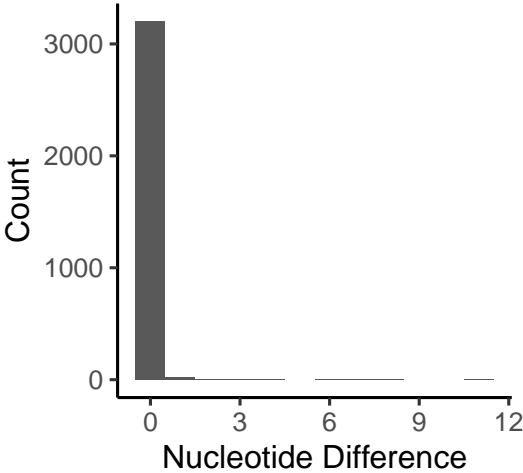
TRBV9*ap01

8295 sequences assigned
8220 (99.1%) exact matches, in which:
8136 unique CDR3
13 unique J



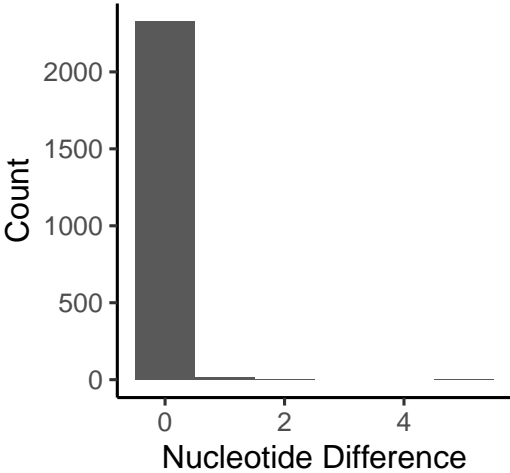
TRBV21-1*ap01

3242 sequences assigned
3201 (98.7%) exact matches, in which:
3177 unique CDR3
13 unique J



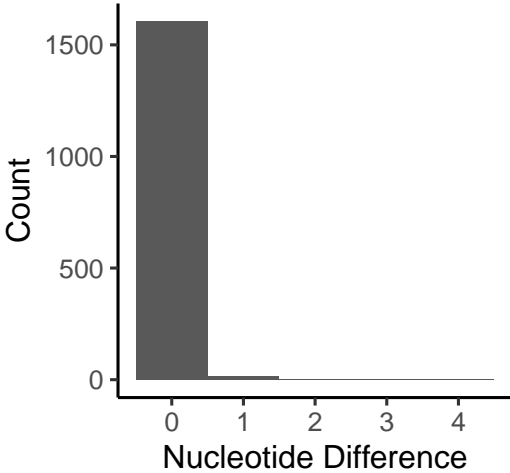
TRBV11-3*ap01

2347 sequences assigned
2328 (99.2%) exact matches, in which:
2310 unique CDR3
13 unique J



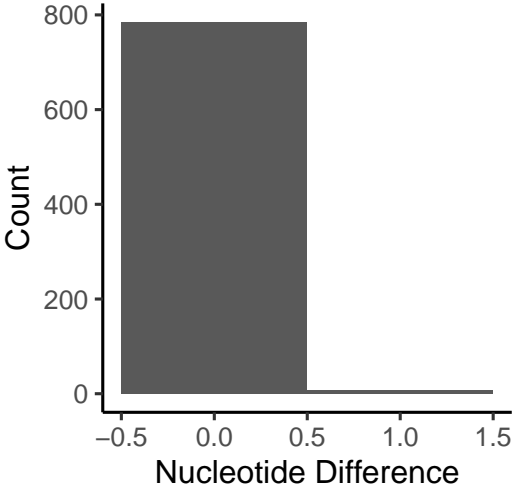
TRBV12-5*ap01

1625 sequences assigned
1605 (98.8%) exact matches, in which:
1579 unique CDR3
13 unique J



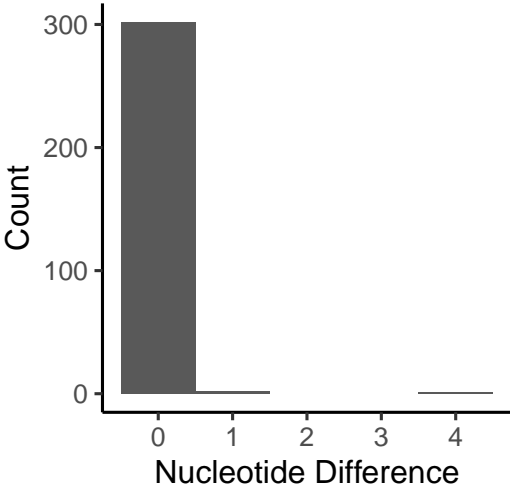
TRBV11-1*ap01

792 sequences assigned
785 (99.1%) exact matches, in which:
773 unique CDR3
13 unique J



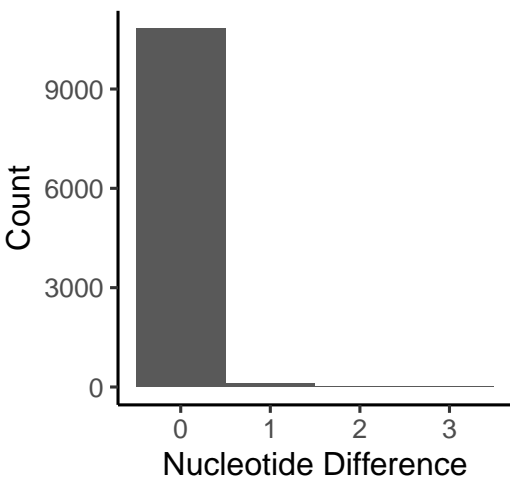
TRBV12-1*ap01

305 sequences assigned
302 (99%) exact matches, in which:
295 unique CDR3
13 unique J



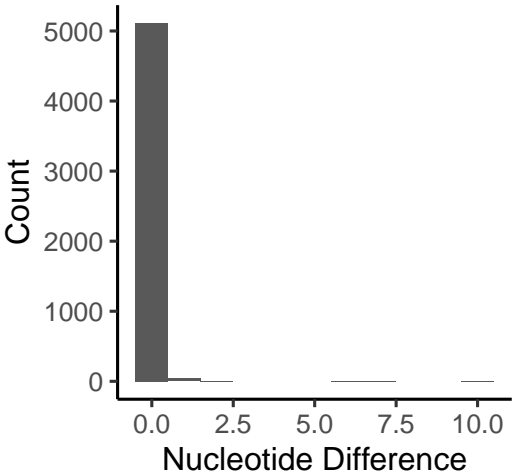
TRBV12-34*ap01

10944 sequences assigned
10821 (98.9%) exact matches, in which:
10643 unique CDR3
13 unique J



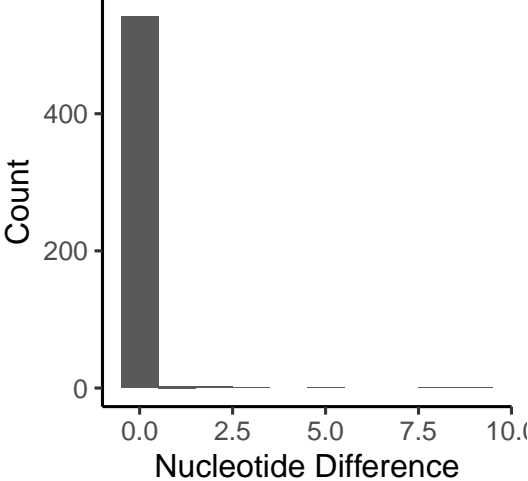
TRBV11-2*ap01

5158 sequences assigned
5113 (99.1%) exact matches, in which:
5010 unique CDR3
14 unique J



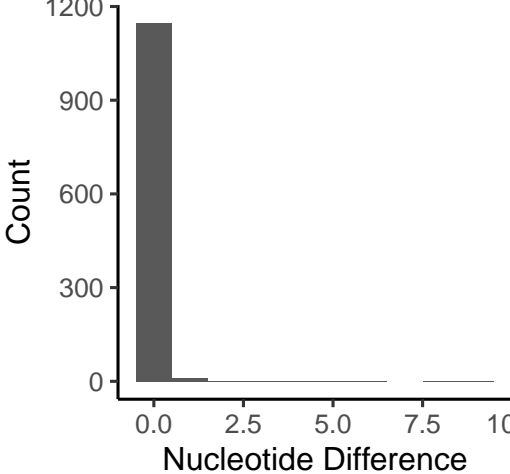
TRBV12-2*ap01

551 sequences assigned
542 (98.4%) exact matches, in which:
536 unique CDR3
13 unique J



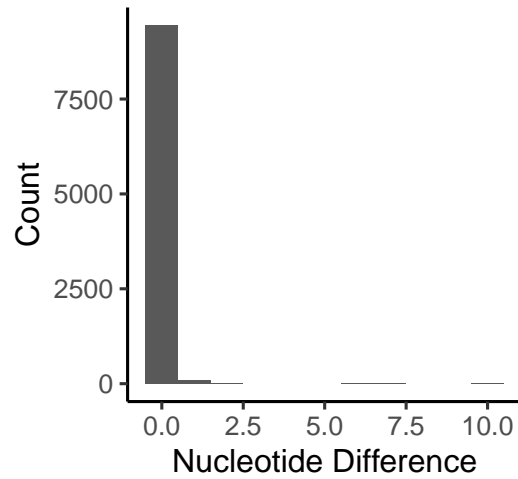
TRBV23-1*ap01

1165 sequences assigned
1147 (98.5%) exact matches, in which:
1140 unique CDR3
13 unique J



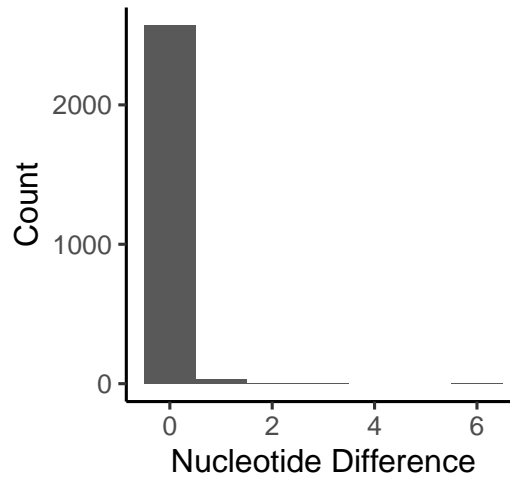
TRBV3-12*ap01

9549 sequences assigned
9440 (98.9%) exact matches, in which:
9288 unique CDR3
13 unique J



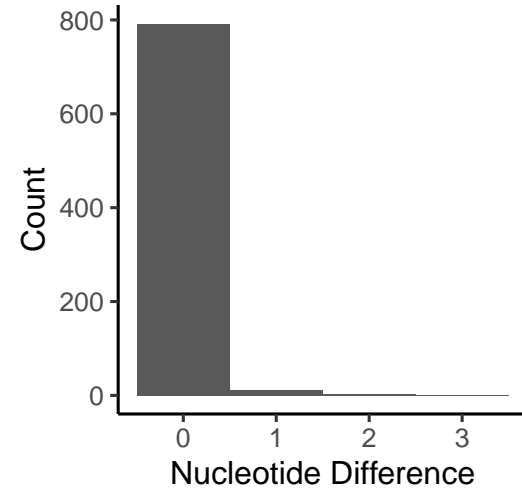
TRBV4-2*ap01

2603 sequences assigned
2570 (98.7%) exact matches, in which:
2518 unique CDR3
13 unique J



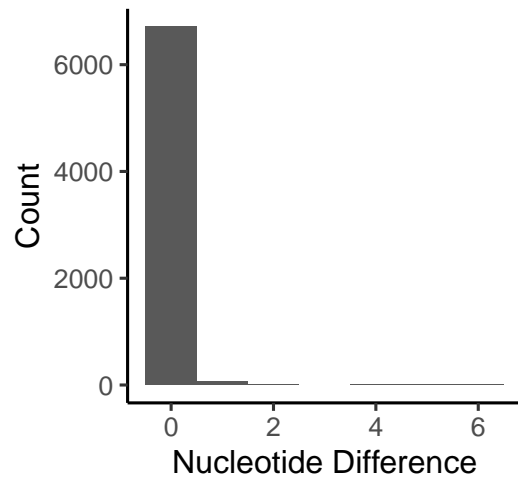
TRBV5-3*ap01

808 sequences assigned
792 (98%) exact matches, in which:
784 unique CDR3
13 unique J



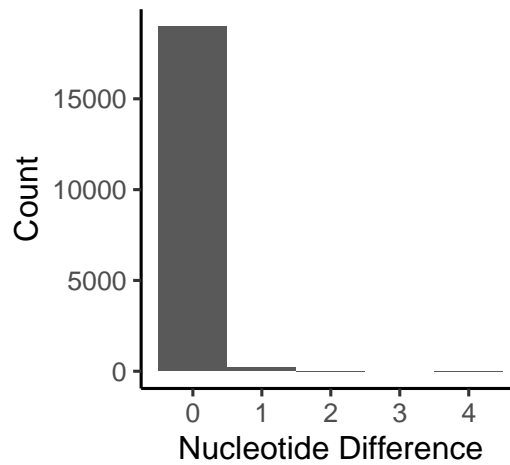
TRBV4-1*ap01

6777 sequences assigned
6711 (99%) exact matches, in which:
6574 unique CDR3
13 unique J



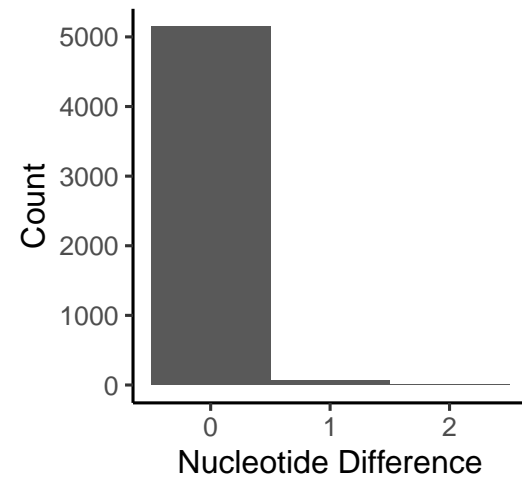
TRBV5-1*ap01

19191 sequences assigned
18982 (98.9%) exact matches, in which:
18538 unique CDR3
13 unique J



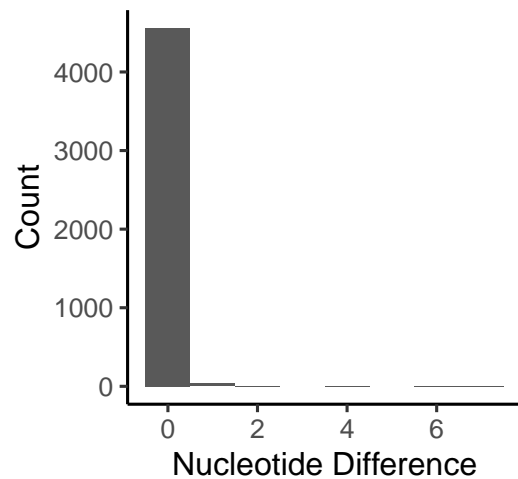
TRBV5-4*ap01

5208 sequences assigned
5146 (98.8%) exact matches, in which:
5063 unique CDR3
13 unique J



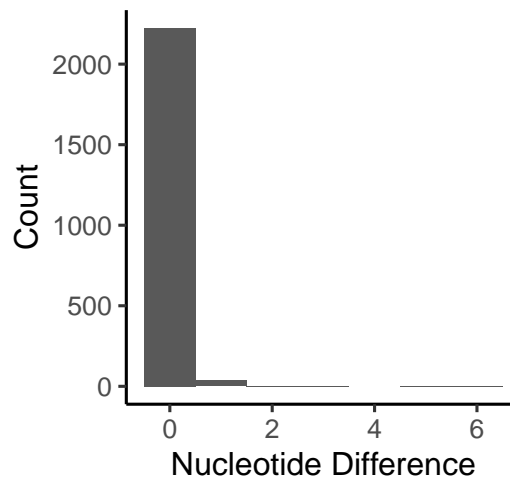
TRBV24-1*ap01

4602 sequences assigned
4559 (99.1%) exact matches, in which:
4492 unique CDR3
13 unique J



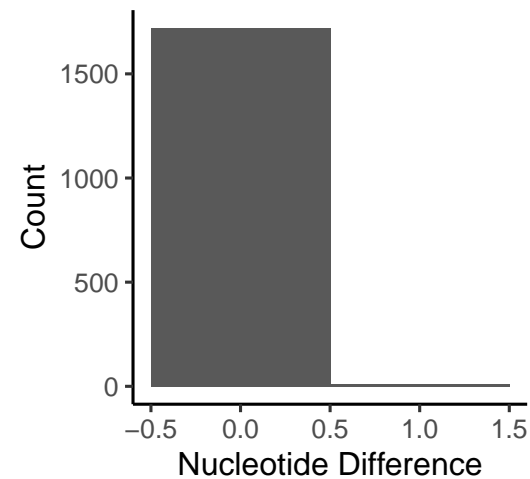
TRBV25-1*ap01

2265 sequences assigned
2224 (98.2%) exact matches, in which:
2170 unique CDR3
13 unique J



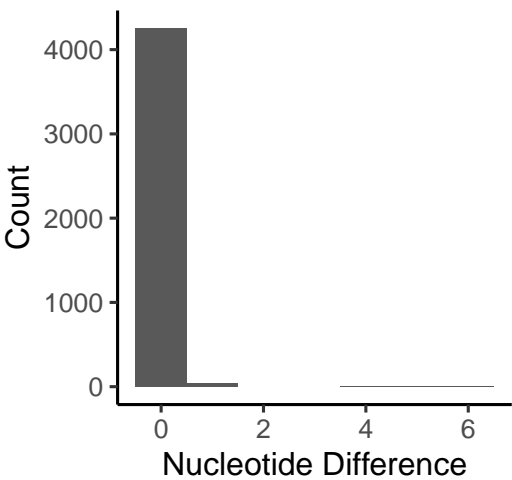
TRBV5-5*ap01

1732 sequences assigned
1720 (99.3%) exact matches, in which:
1710 unique CDR3
13 unique J



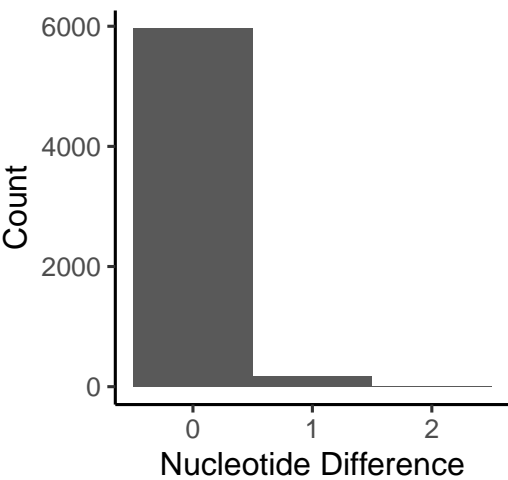
TRBV5-6*ap01

4292 sequences assigned
4252 (99.1%) exact matches, in which:
4118 unique CDR3
13 unique J



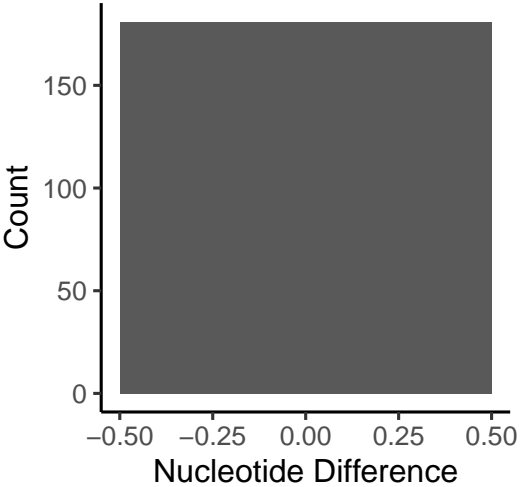
TRBV6-1*ap01

6134 sequences assigned
5964 (97.2%) exact matches, in which:
5815 unique CDR3
13 unique J



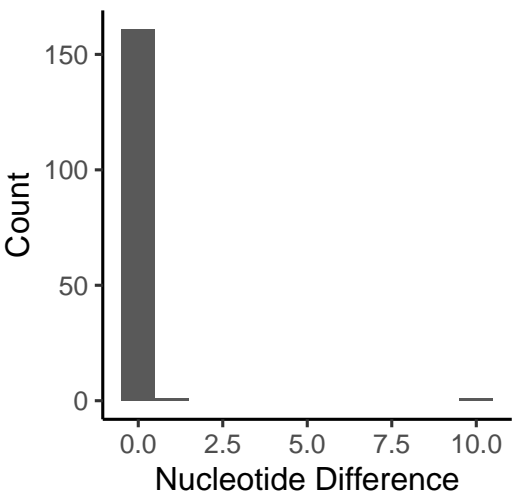
TRBV6-8*ap01

181 sequences assigned
181 (100%) exact matches, in which:
174 unique CDR3
13 unique J



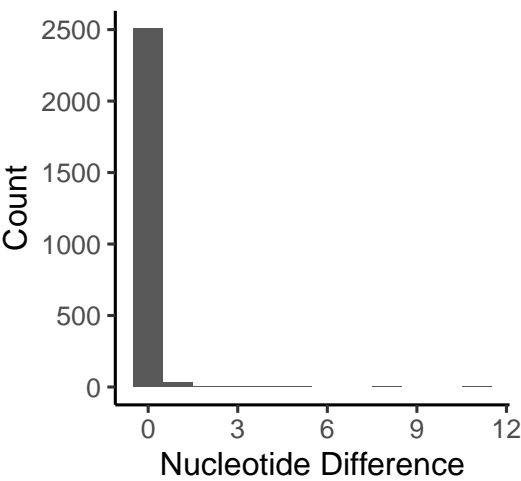
TRBV5-7*ap01

163 sequences assigned
161 (98.8%) exact matches, in which:
156 unique CDR3
13 unique J



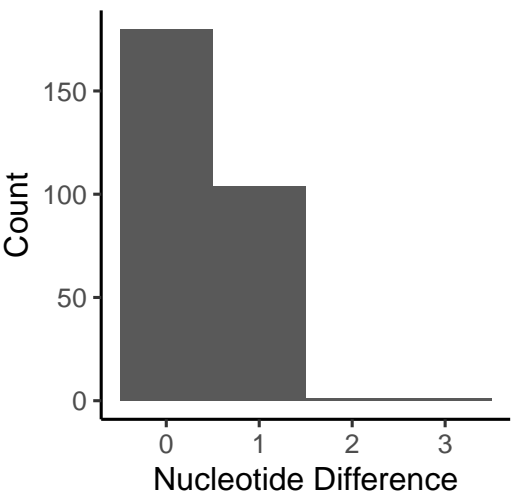
TRBV6-4*ap01

2543 sequences assigned
2506 (98.5%) exact matches, in which:
2467 unique CDR3
13 unique J



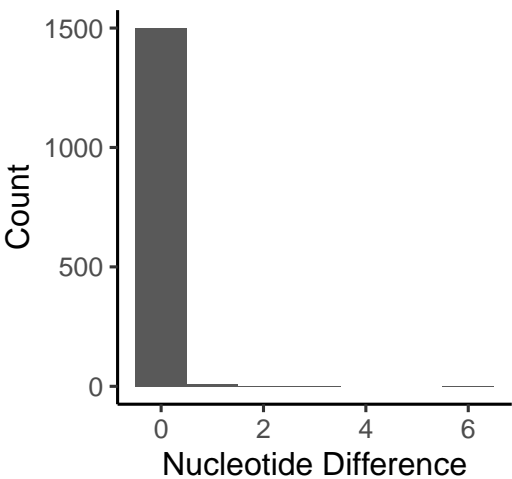
TRBV6-9*ap01

286 sequences assigned
180 (62.9%) exact matches, in which:
176 unique CDR3
13 unique J



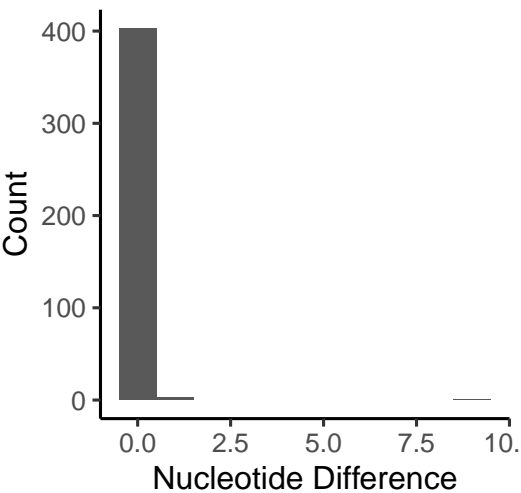
TRBV5-8*ap01

1513 sequences assigned
1500 (99.1%) exact matches, in which:
1470 unique CDR3
13 unique J



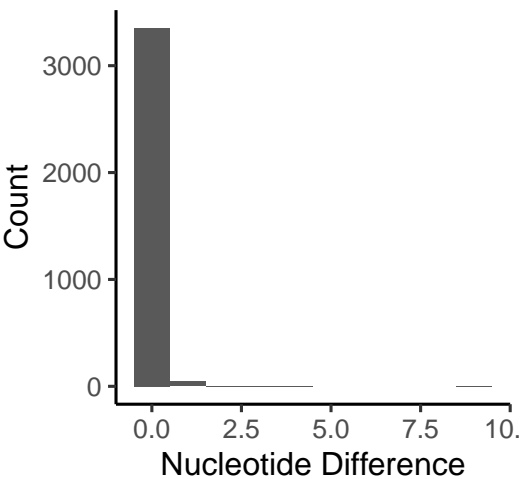
TRBV6-7*ap01

407 sequences assigned
403 (99%) exact matches, in which:
396 unique CDR3
13 unique J



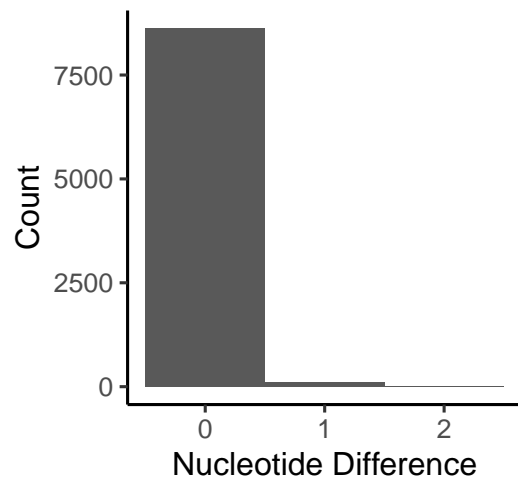
TRBV6-23*ap01

3405 sequences assigned
3352 (98.4%) exact matches, in which:
3227 unique CDR3
13 unique J



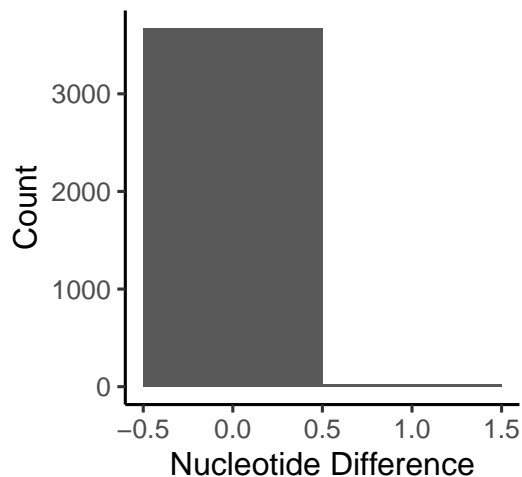
TRBV6-56*ap01

8725 sequences assigned
8622 (98.8%) exact matches, in which:
8361 unique CDR3
13 unique J



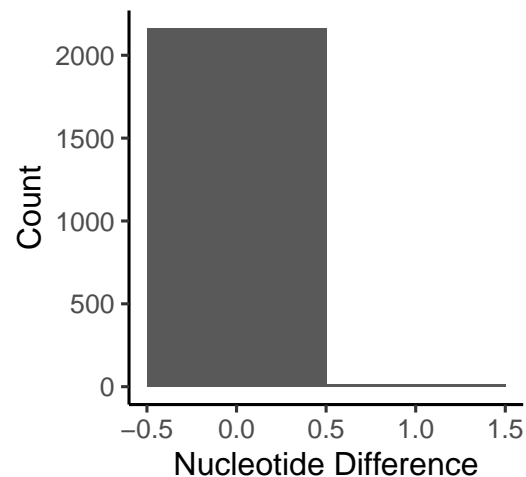
TRBV7-2*ap01

3695 sequences assigned
3670 (99.3%) exact matches, in which:
3608 unique CDR3
13 unique J



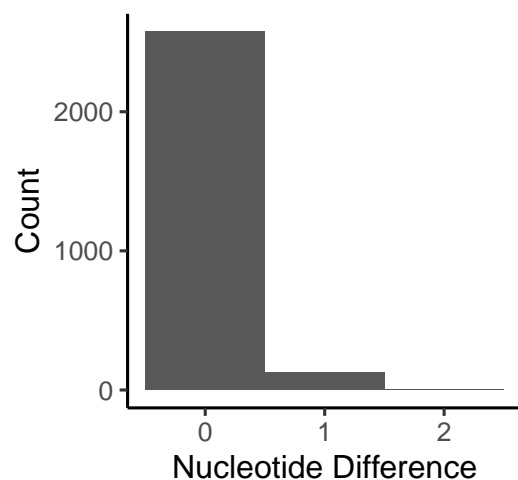
TRBV7-6*ap01

2180 sequences assigned
2162 (99.2%) exact matches, in which:
2127 unique CDR3
13 unique J



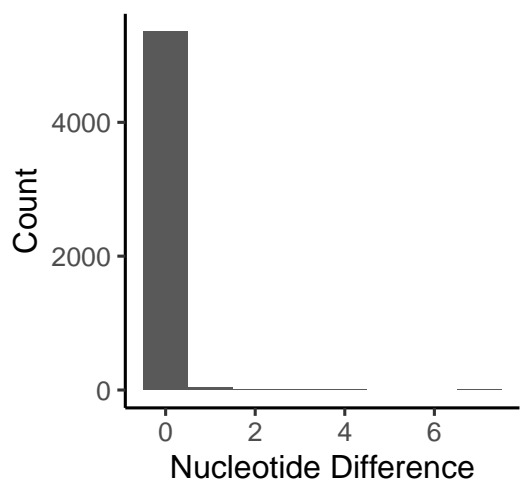
TRBV6-56*ap02

2707 sequences assigned
2575 (95.1%) exact matches, in which:
2491 unique CDR3
13 unique J



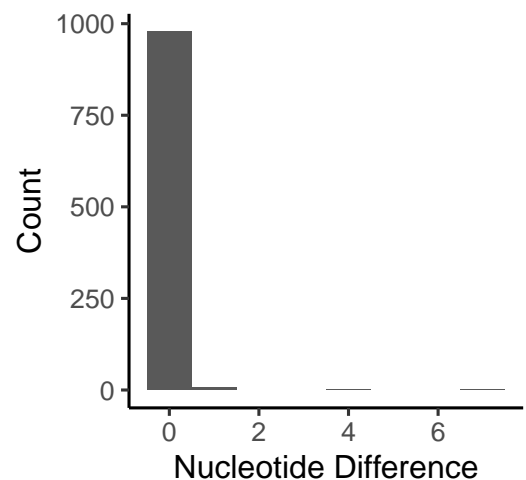
TRBV7-3*ap01

5404 sequences assigned
5354 (99.1%) exact matches, in which:
5276 unique CDR3
13 unique J



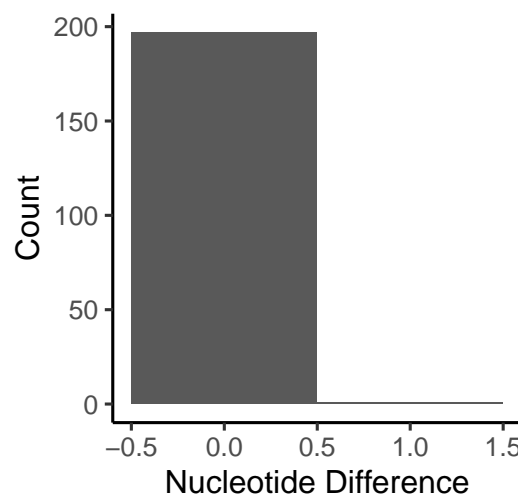
TRBV7-7*ap01_C315T

987 sequences assigned
978 (99.1%) exact matches, in which:
960 unique CDR3
13 unique J



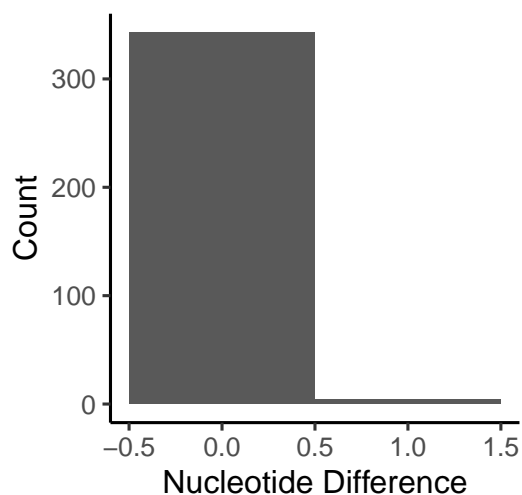
TRBV7-1*ap01_G291C_

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



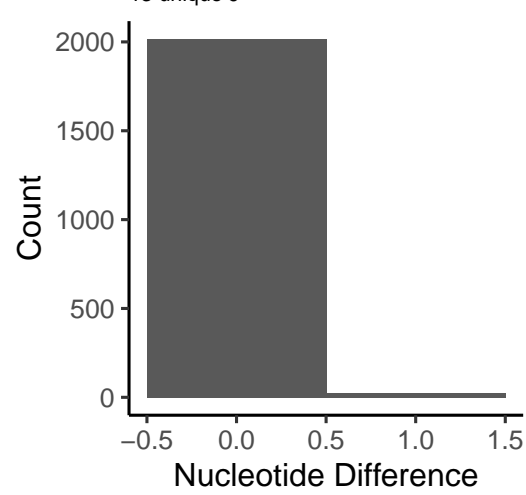
TRBV7-4*ap01

347 sequences assigned
343 (98.8%) exact matches, in which:
342 unique CDR3
13 unique J



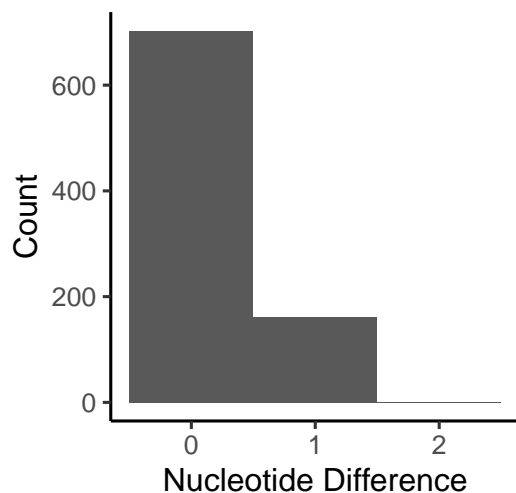
TRBV7-8*ap01

2040 sequences assigned
2016 (98.8%) exact matches, in which:
1983 unique CDR3
13 unique J



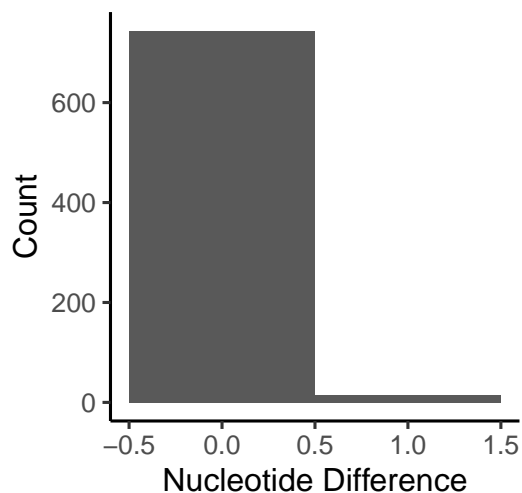
TRBV7–8*ap03

866 sequences assigned
703 (81.2%) exact matches, in which:
689 unique CDR3
13 unique J



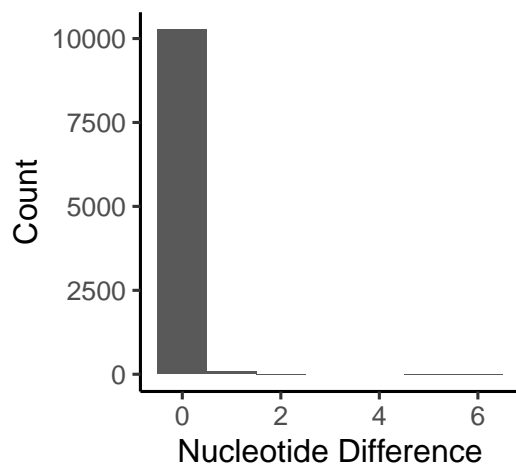
TRBV29–1*ap02

759 sequences assigned
744 (98%) exact matches, in which:
723 unique CDR3
13 unique J



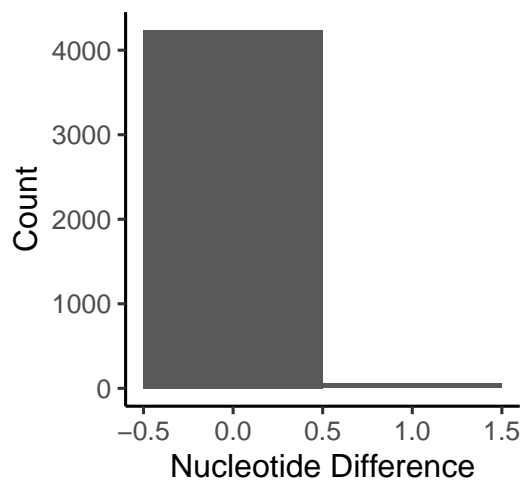
TRBV7–9*ap01

10348 sequences assigned
10270 (99.2%) exact matches, in which:
10087 unique CDR3
13 unique J

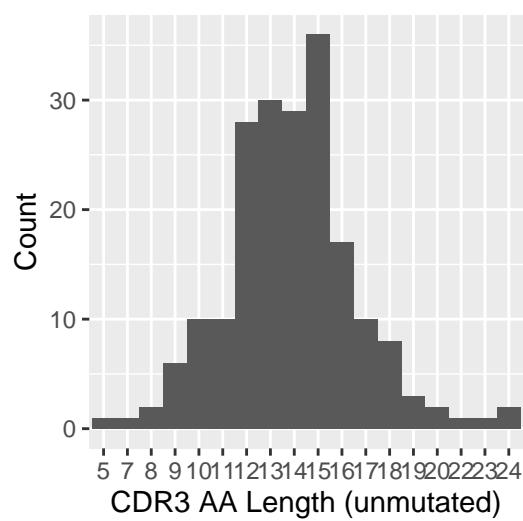


TRBV29–1*ap01

4296 sequences assigned
4238 (98.6%) exact matches, in which:
4125 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

