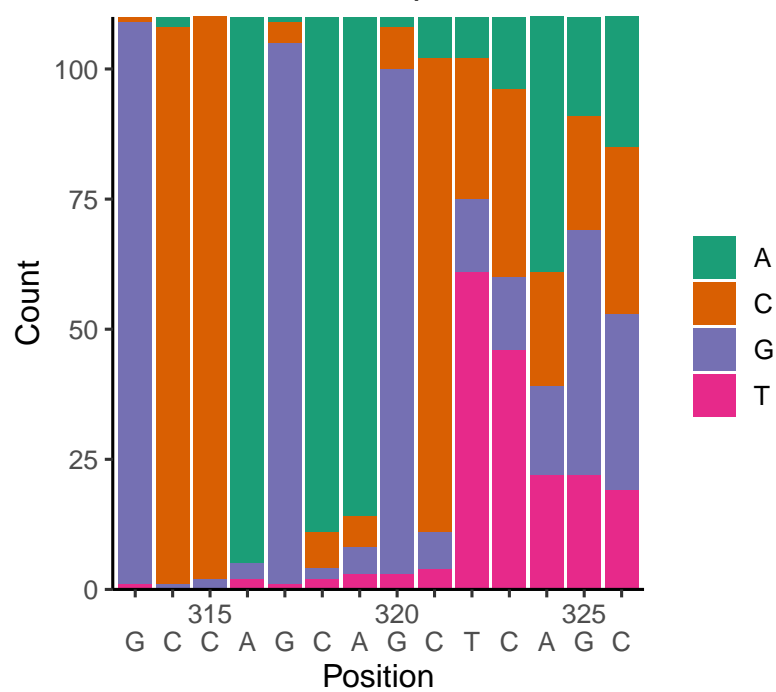
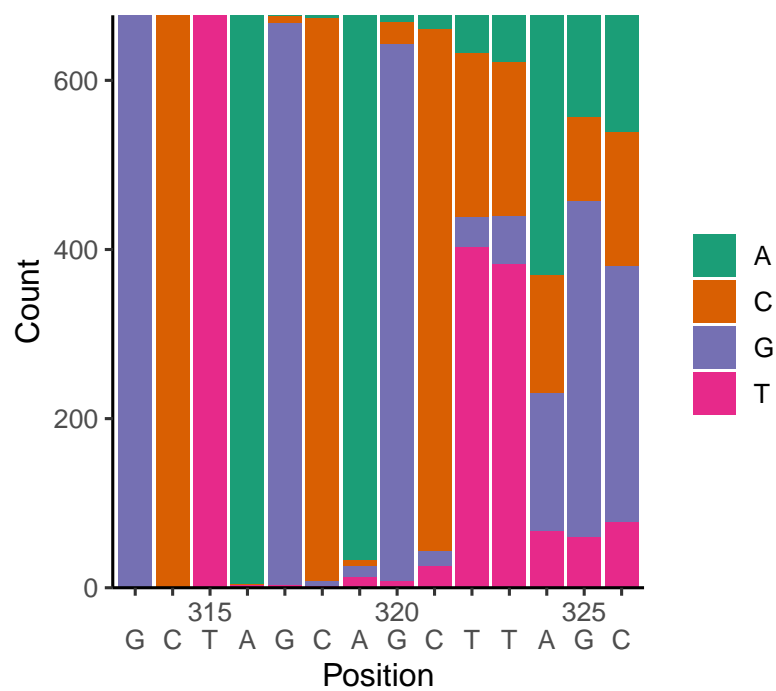


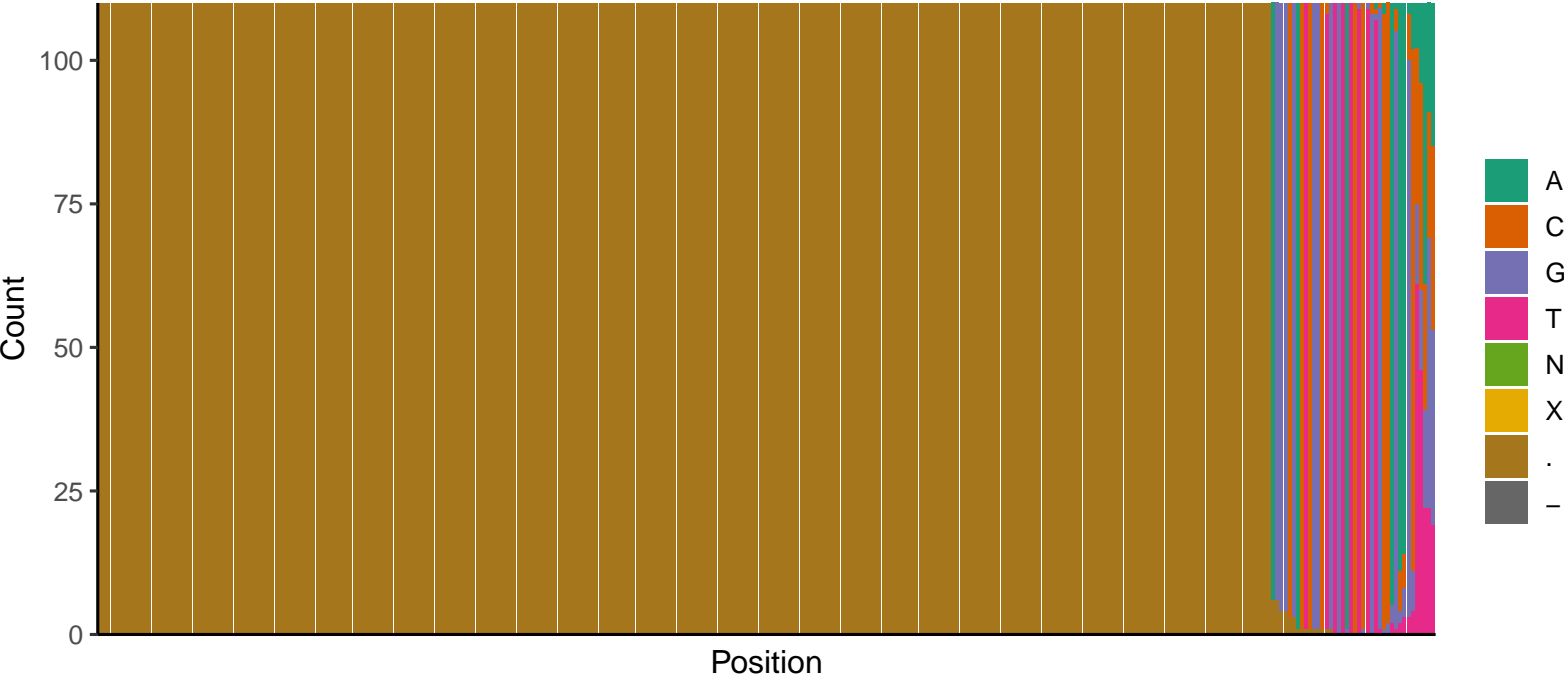
Gene TRBV7-1*ap01_G291C_T296C



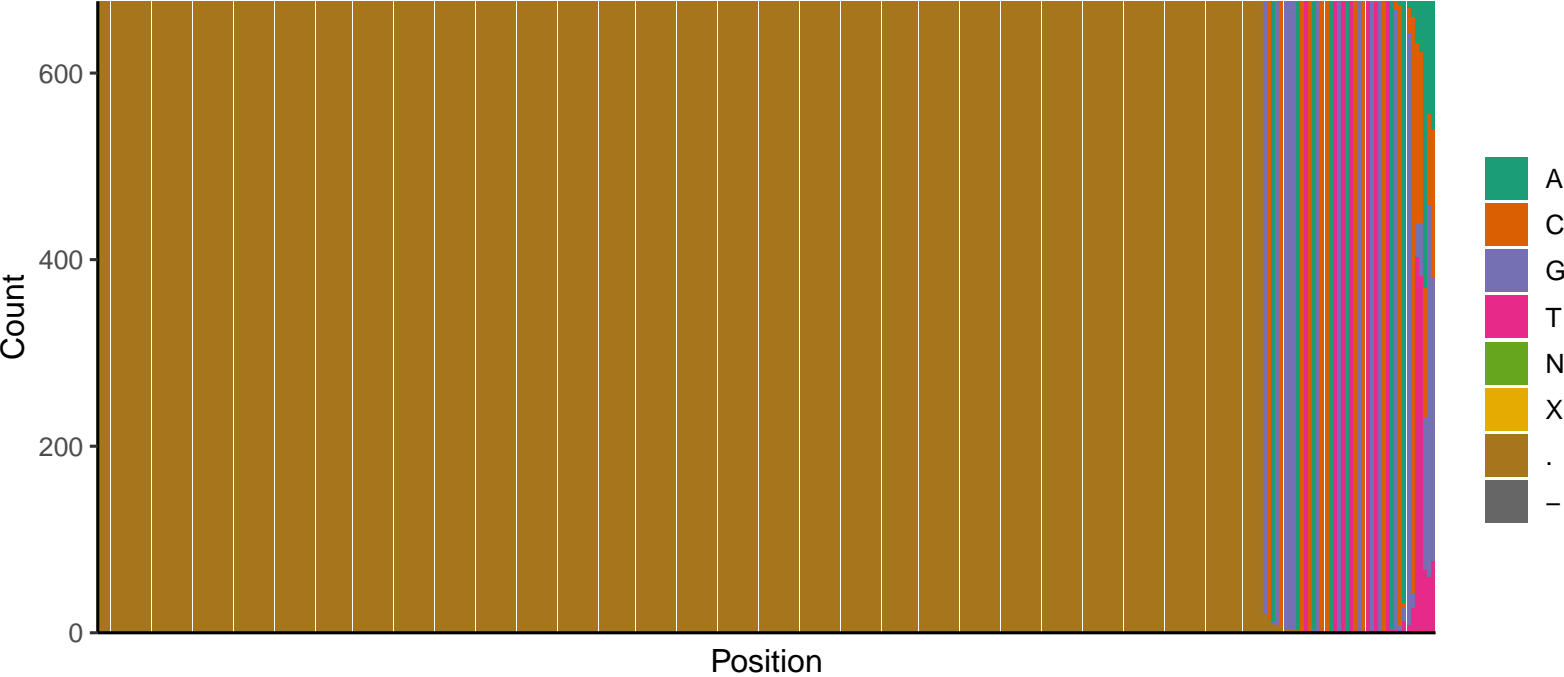
Gene TRBV7-7*ap01_C315T



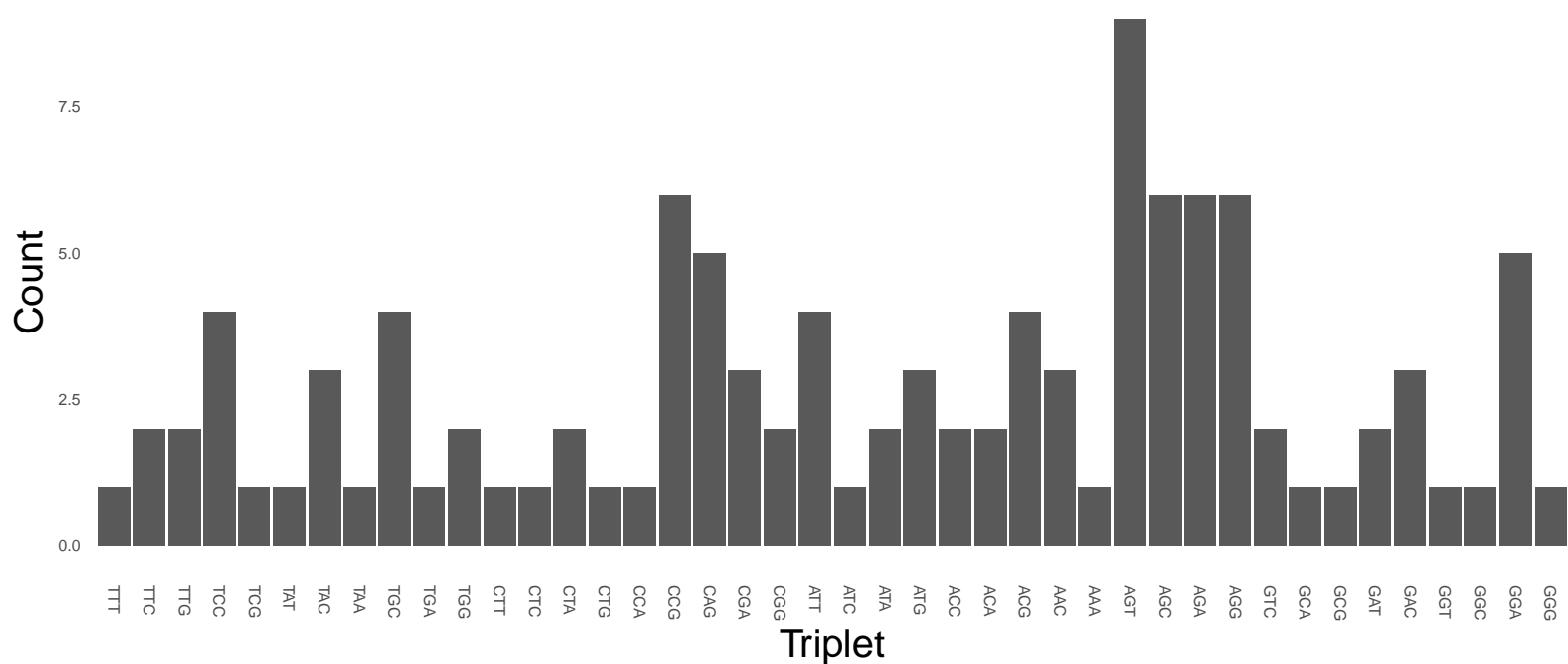
Gene TRBV7-1*ap01_G291C_T296C



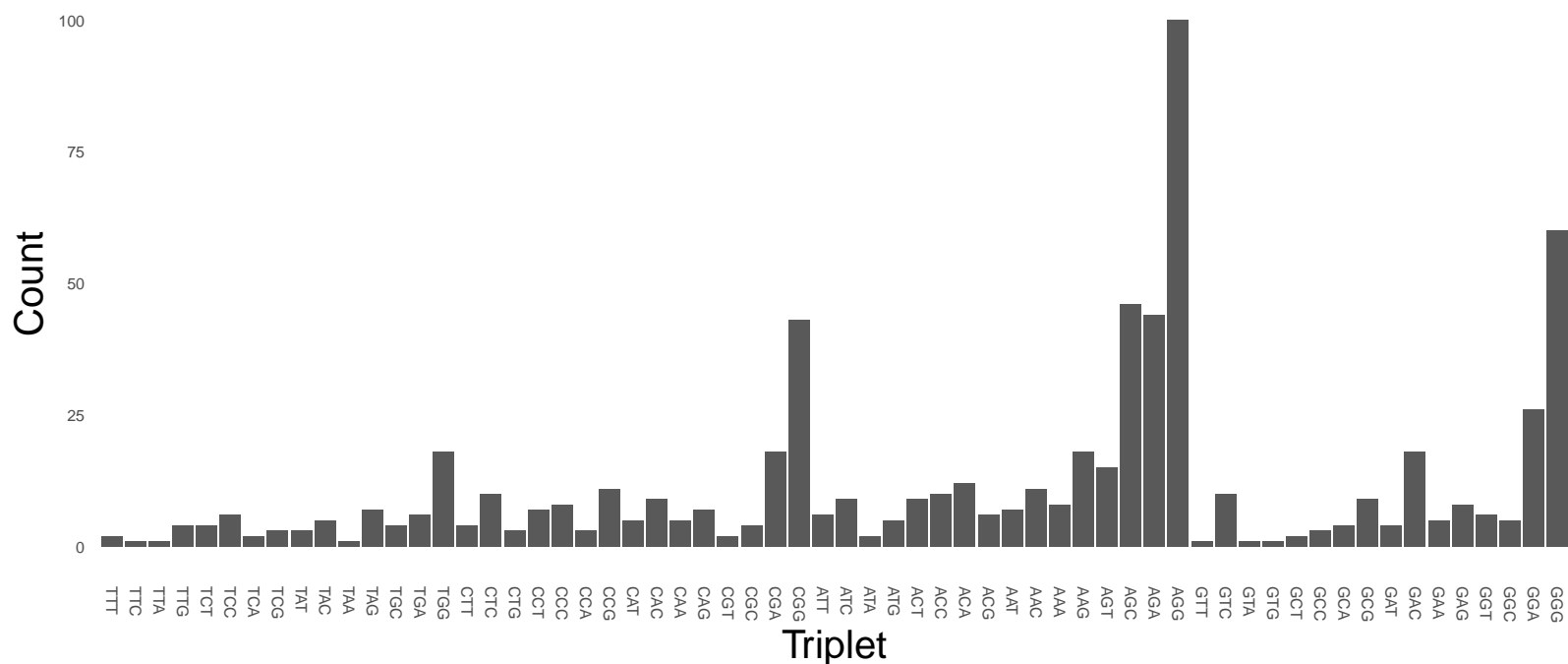
Gene TRBV7-7*ap01_C315T



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

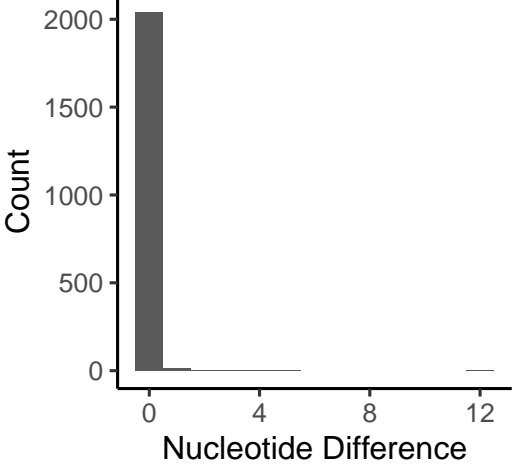


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



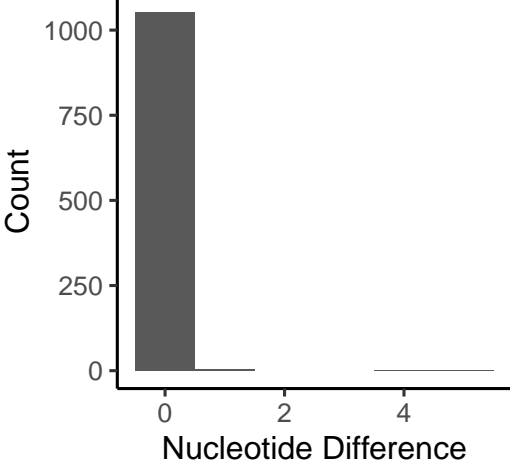
TRBV10-1*ap01

2057 sequences assigned
2039 (99.1%) exact matches, in which:
2025 unique CDR3
13 unique J



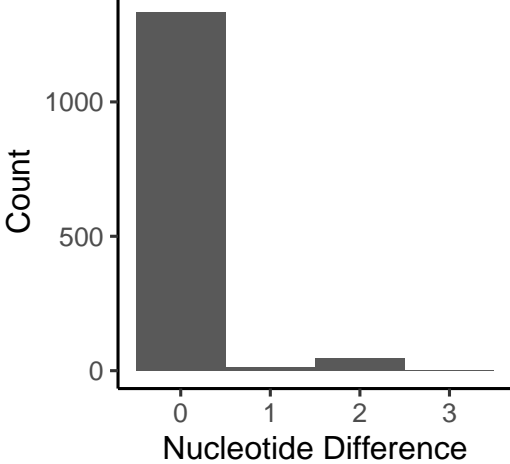
TRBV10-2*ap01

1058 sequences assigned
1052 (99.4%) exact matches, in which:
1042 unique CDR3
13 unique J



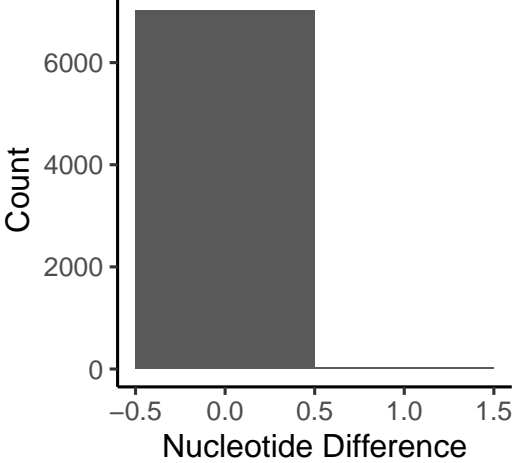
TRBV13*ap01

1391 sequences assigned
1333 (95.8%) exact matches, in which:
1314 unique CDR3
13 unique J



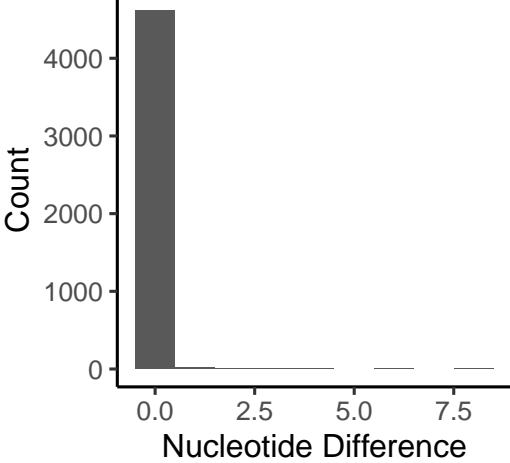
TRBV20-1*ap01

7055 sequences assigned
7016 (99.4%) exact matches, in which:
6980 unique CDR3
13 unique J



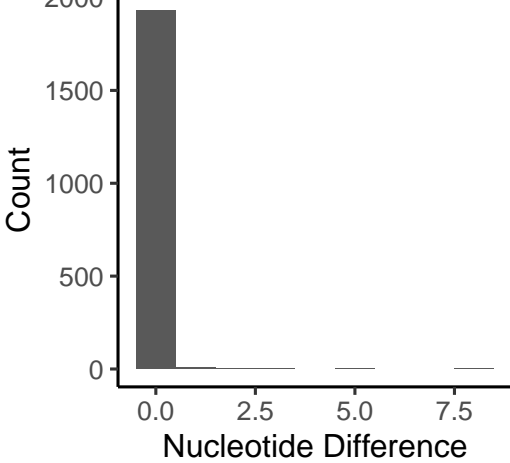
TRBV10-3*ap01

4643 sequences assigned
4612 (99.3%) exact matches, in which:
4589 unique CDR3
13 unique J



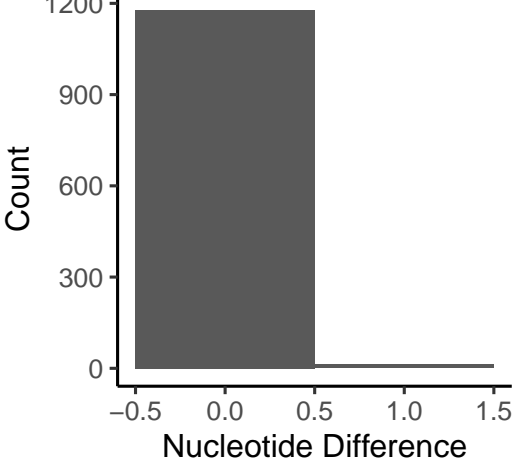
TRBV14*ap01

1942 sequences assigned
1929 (99.3%) exact matches, in which:
1921 unique CDR3
13 unique J



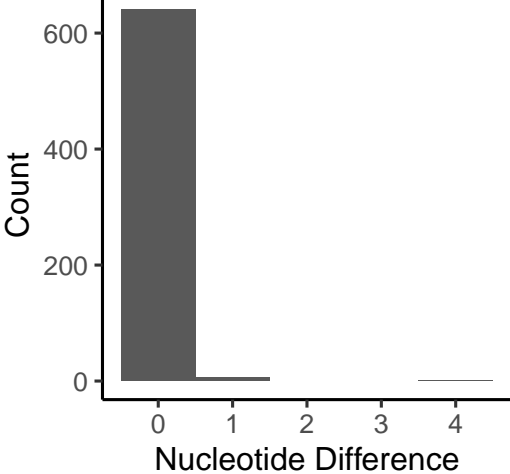
TRBV20-1*ap02

1190 sequences assigned
1178 (99%) exact matches, in which:
1172 unique CDR3
13 unique J



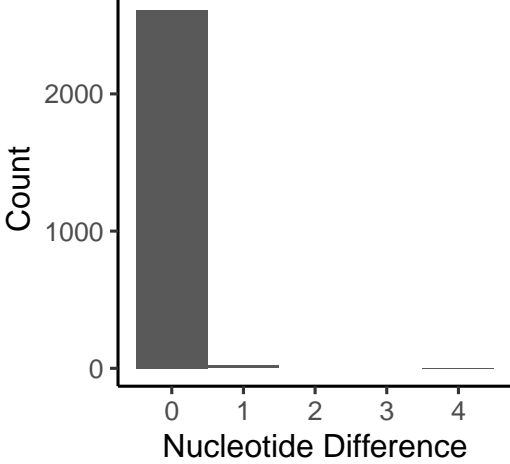
TRBV1*ap01

648 sequences assigned
641 (98.9%) exact matches, in which:
629 unique CDR3
13 unique J



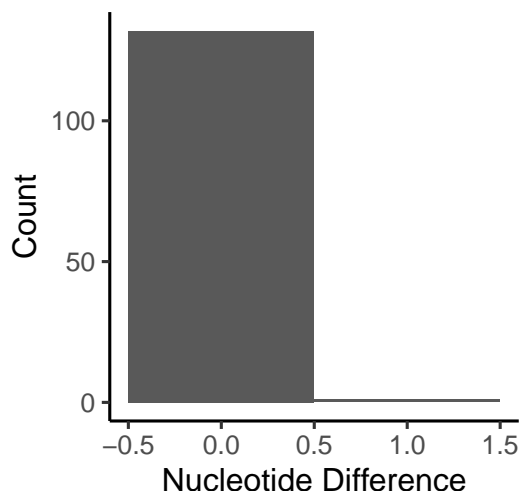
TRBV15*ap02

2633 sequences assigned
2611 (99.2%) exact matches, in which:
2597 unique CDR3
13 unique J



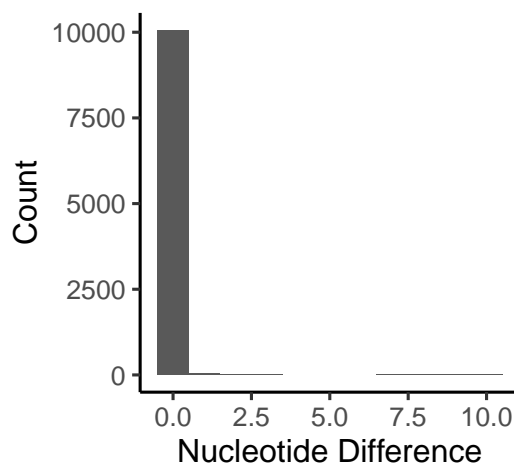
TRBV16*ap01

133 sequences assigned
132 (99.2%) exact matches, in which:
132 unique CDR3
13 unique J



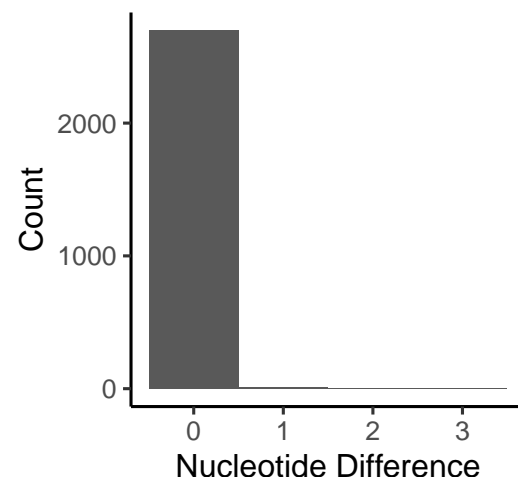
TRBV19*ap01

10124 sequences assigned
10061 (99.4%) exact matches, in which:
10036 unique CDR3
13 unique J



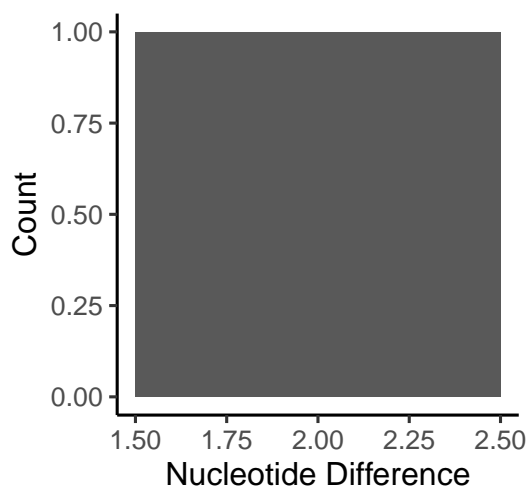
TRBV28*ap01

2714 sequences assigned
2698 (99.4%) exact matches, in which:
2688 unique CDR3
13 unique J



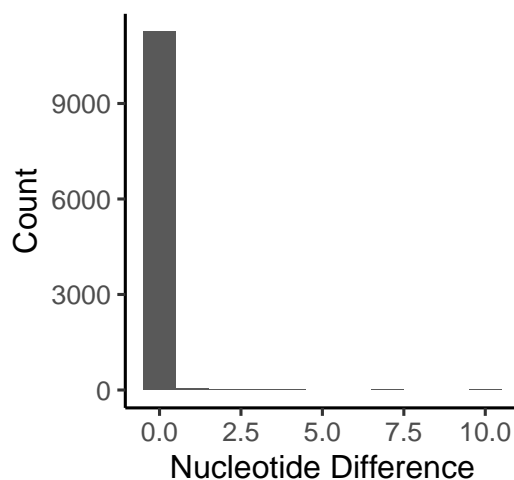
TRBV17*ap01

1 sequences assigned
No exact matches.



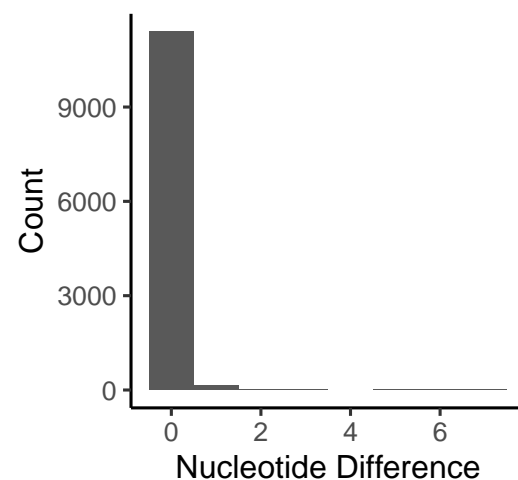
TRBV2*ap01

11321 sequences assigned
11254 (99.4%) exact matches, in which:
11197 unique CDR3
13 unique J



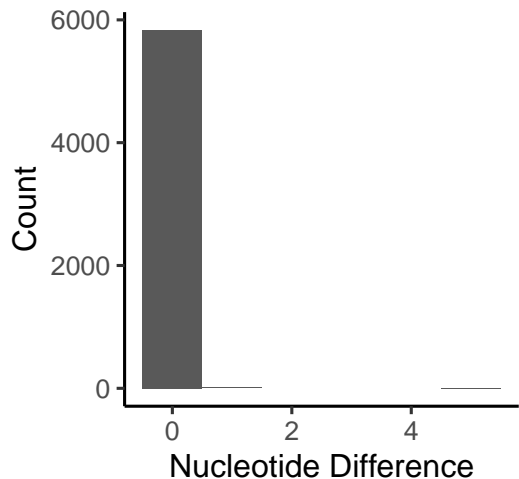
TRBV30*ap01

11562 sequences assigned
11395 (98.6%) exact matches, in which:
11262 unique CDR3
13 unique J



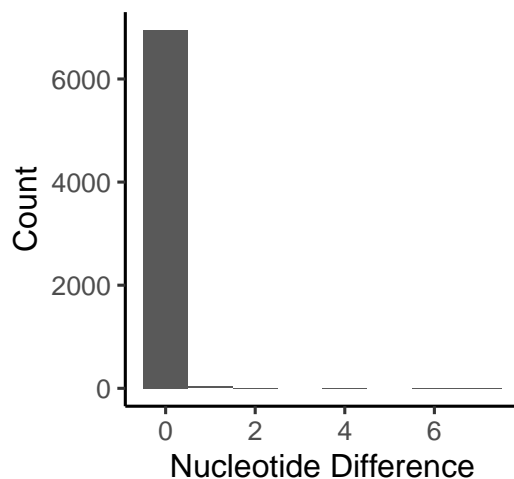
TRBV18*ap01

5847 sequences assigned
5834 (99.8%) exact matches, in which:
5819 unique CDR3
13 unique J



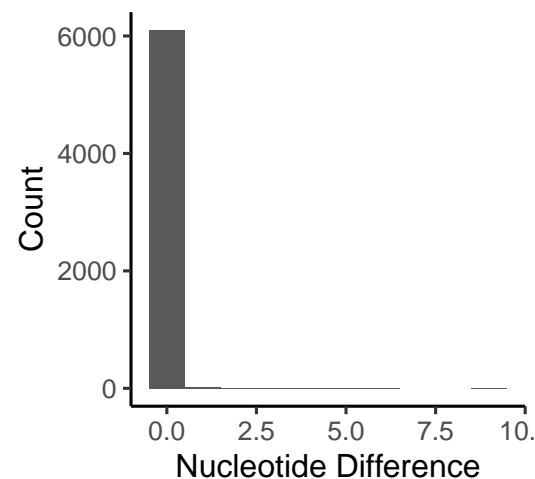
TRBV27*ap01

6991 sequences assigned
6949 (99.4%) exact matches, in which:
6915 unique CDR3
13 unique J



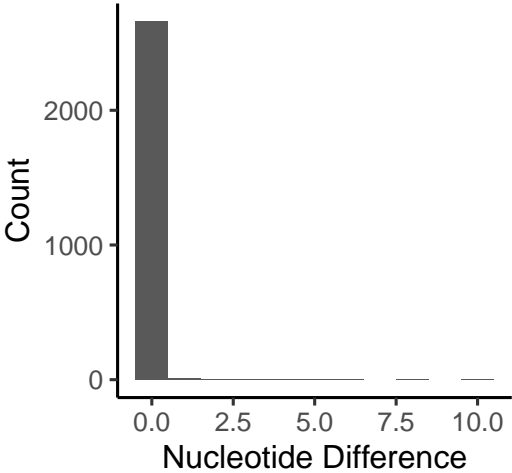
TRBV9*ap01

6136 sequences assigned
6101 (99.4%) exact matches, in which:
6071 unique CDR3
13 unique J



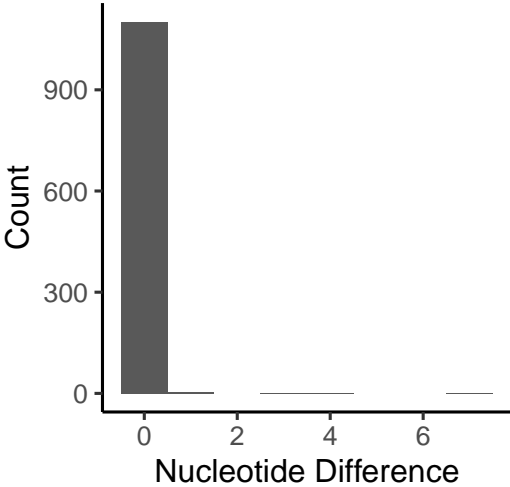
TRBV21-1*ap01

2689 sequences assigned
2660 (98.9%) exact matches, in which:
2654 unique CDR3
13 unique J



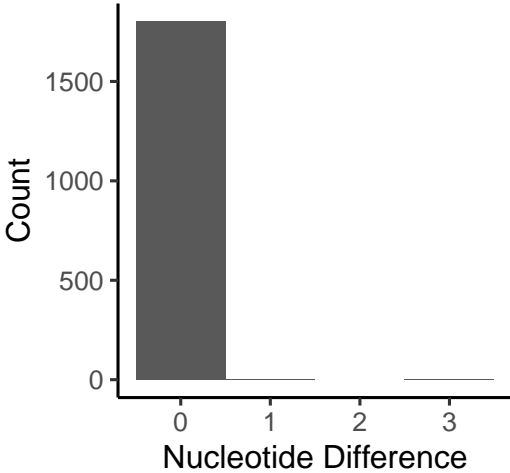
TRBV11-3*ap01

1108 sequences assigned
1102 (99.5%) exact matches, in which:
1101 unique CDR3
13 unique J



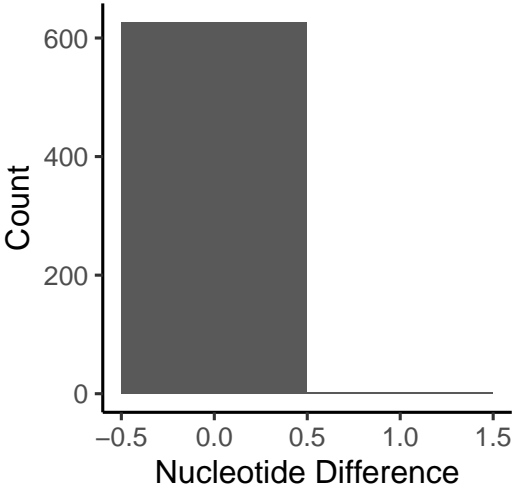
TRBV12-5*ap01

1807 sequences assigned
1802 (99.7%) exact matches, in which:
1788 unique CDR3
13 unique J



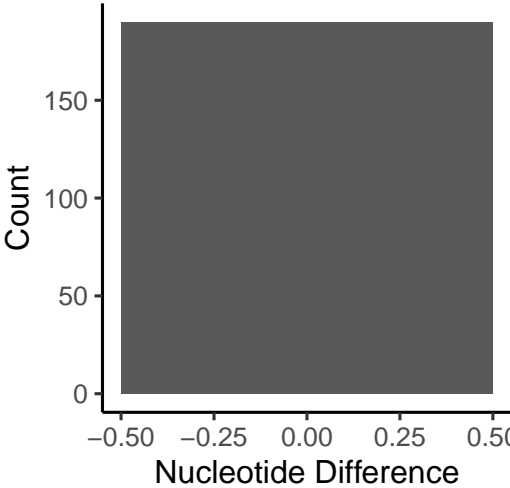
TRBV11-1*ap01

629 sequences assigned
627 (99.7%) exact matches, in which:
627 unique CDR3
13 unique J



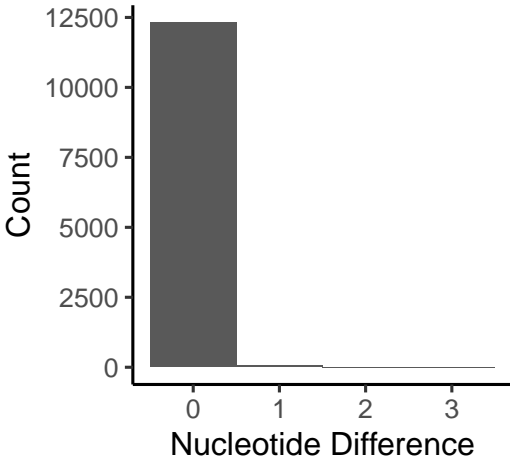
TRBV12-1*ap01

190 sequences assigned
190 (100%) exact matches, in which:
188 unique CDR3
13 unique J



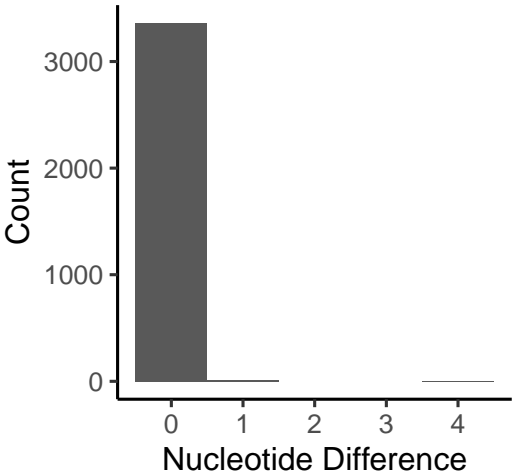
TRBV12-34*ap01

12395 sequences assigned
12320 (99.4%) exact matches, in which:
12235 unique CDR3
14 unique J



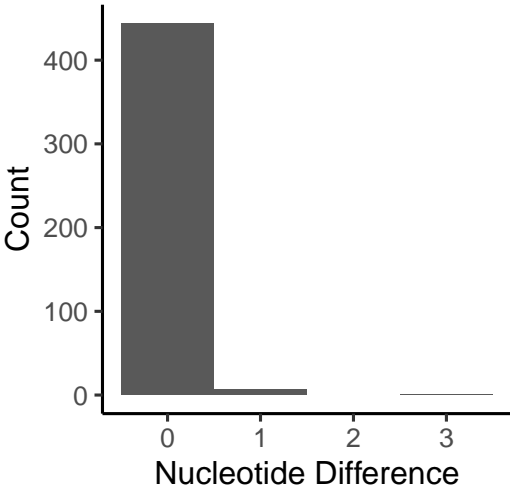
TRBV11-2*ap01

3373 sequences assigned
3361 (99.6%) exact matches, in which:
3351 unique CDR3
13 unique J



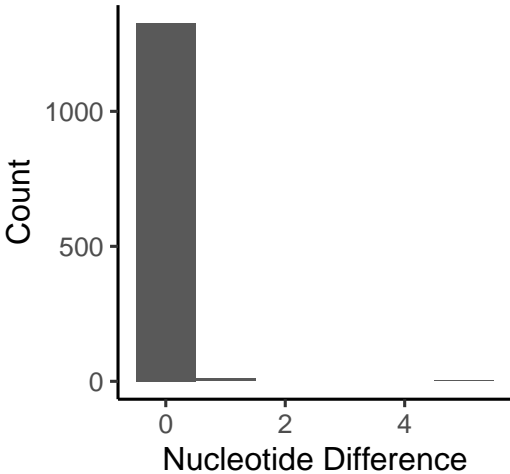
TRBV12-2*ap01

452 sequences assigned
444 (98.2%) exact matches, in which:
443 unique CDR3
13 unique J



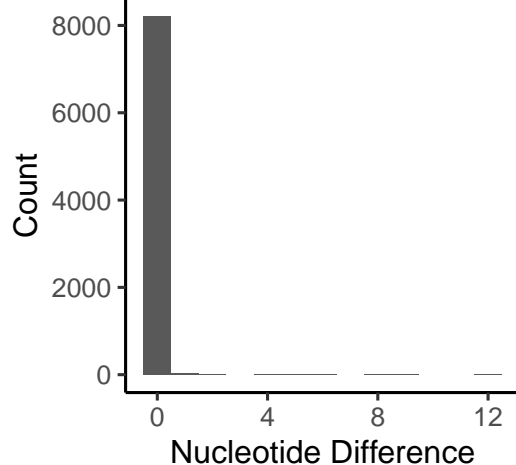
TRBV23-1*ap01

1340 sequences assigned
1327 (99%) exact matches, in which:
1321 unique CDR3
13 unique J



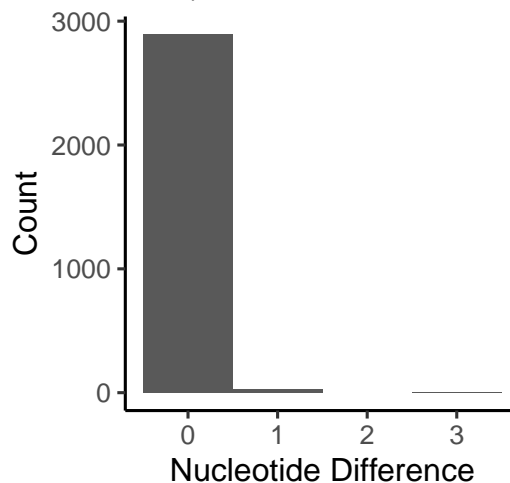
TRBV3-12*ap01

8247 sequences assigned
8207 (99.5%) exact matches, in which:
8184 unique CDR3
13 unique J



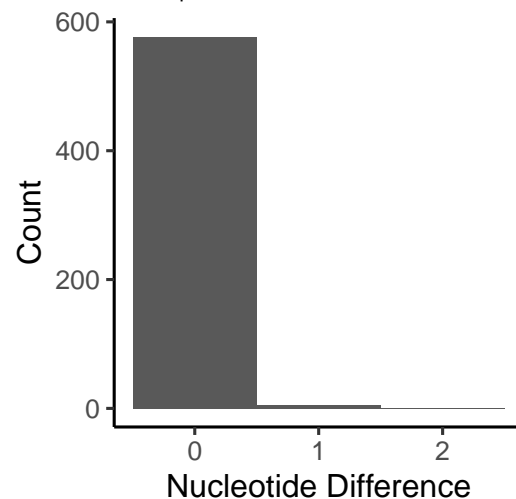
TRBV4-2*ap01

2925 sequences assigned
2893 (98.9%) exact matches, in which:
2880 unique CDR3
13 unique J



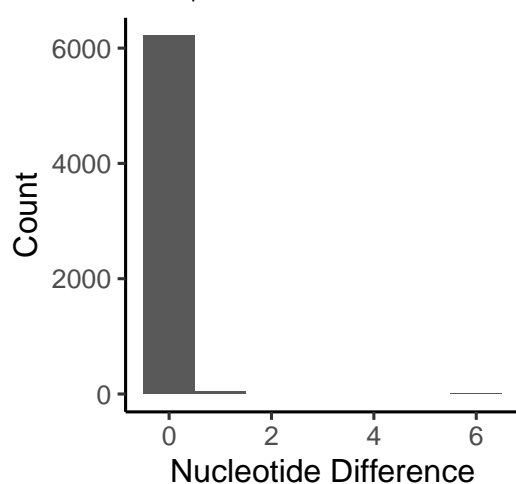
TRBV5-3*ap01

583 sequences assigned
577 (99%) exact matches, in which:
569 unique CDR3
13 unique J



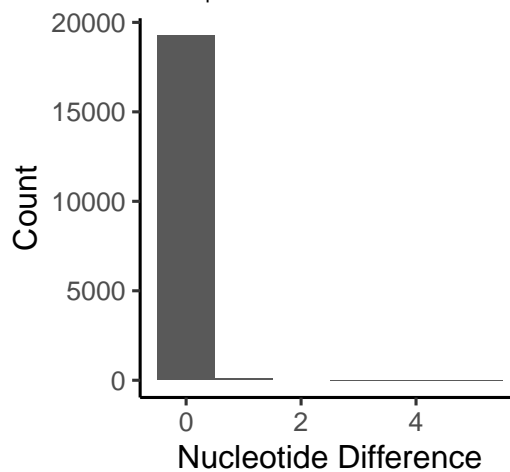
TRBV4-1*ap01

6260 sequences assigned
6215 (99.3%) exact matches, in which:
6171 unique CDR3
13 unique J



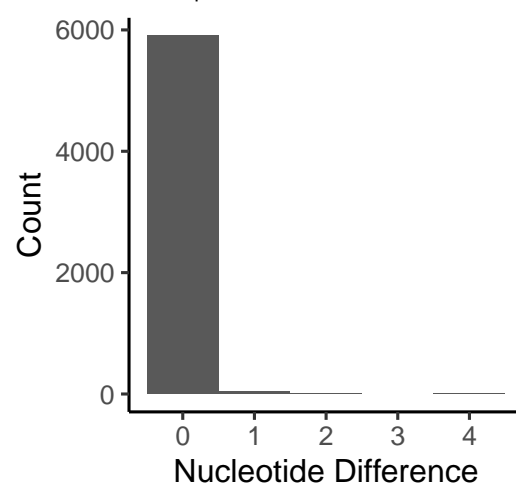
TRBV5-1*ap01

19370 sequences assigned
19269 (99.5%) exact matches, in which:
19121 unique CDR3
13 unique J



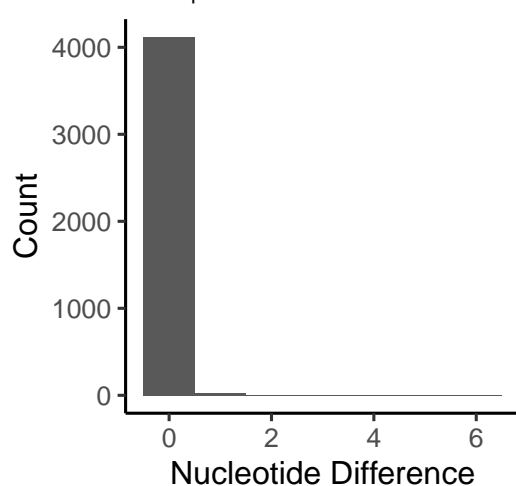
TRBV5-4*ap01

5946 sequences assigned
5904 (99.3%) exact matches, in which:
5860 unique CDR3
13 unique J



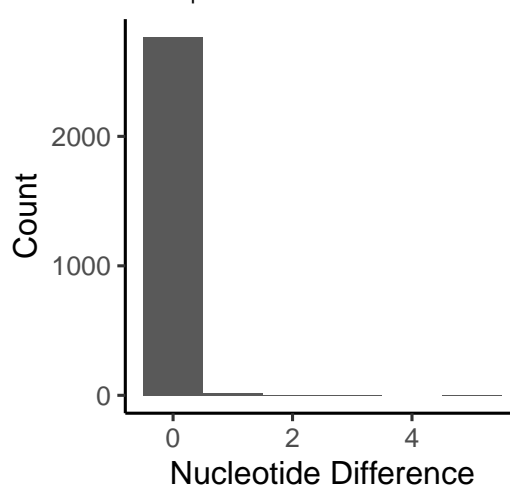
TRBV24-1*ap01

4152 sequences assigned
4118 (99.2%) exact matches, in which:
4089 unique CDR3
13 unique J



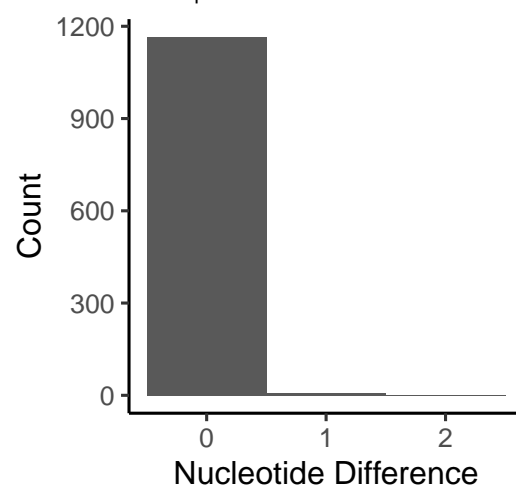
TRBV25-1*ap01

2792 sequences assigned
2767 (99.1%) exact matches, in which:
2740 unique CDR3
13 unique J



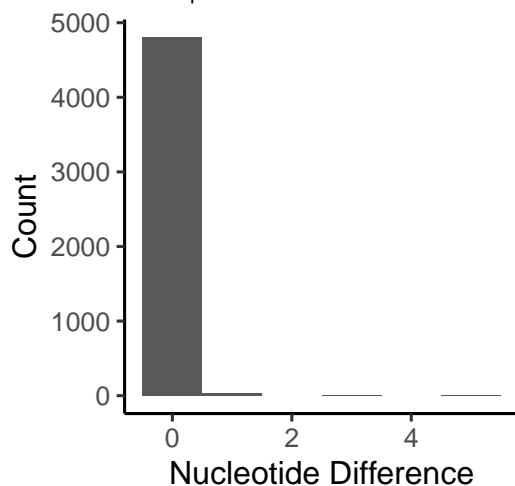
TRBV5-5*ap01

1174 sequences assigned
1165 (99.2%) exact matches, in which:
1157 unique CDR3
13 unique J



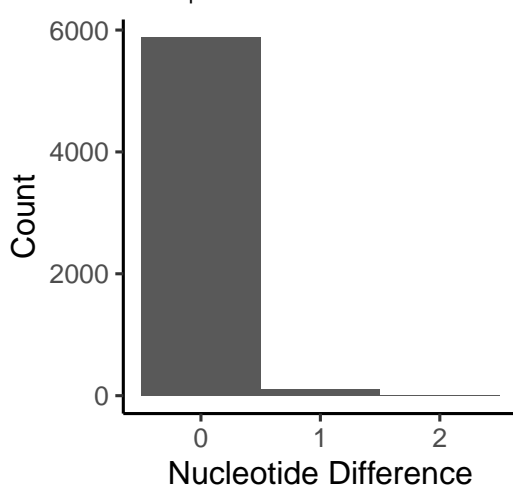
TRBV5-6*ap01

4845 sequences assigned
4803 (99.1%) exact matches, in which:
4738 unique CDR3
13 unique J



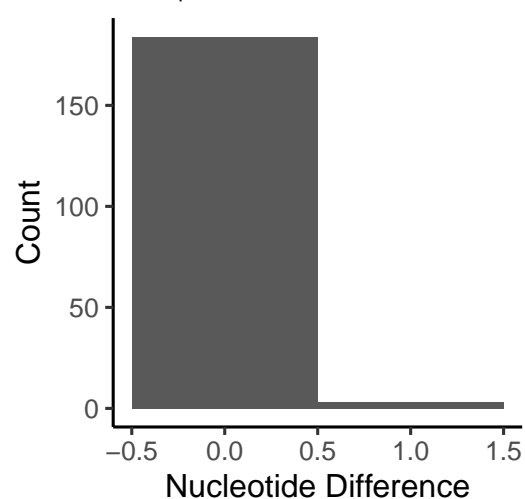
TRBV6-1*ap01

5980 sequences assigned
5879 (98.3%) exact matches, in which:
5825 unique CDR3
13 unique J



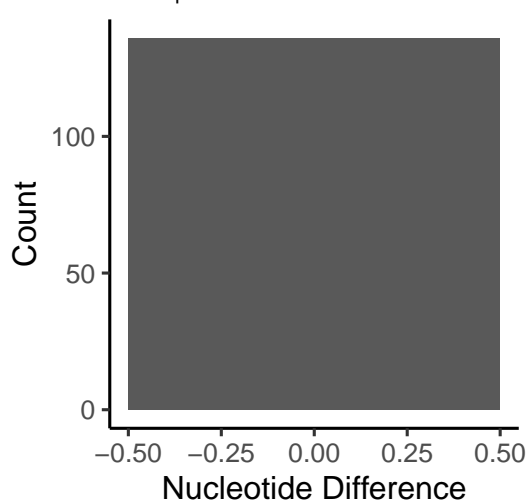
TRBV6-8*ap01

187 sequences assigned
184 (98.4%) exact matches, in which:
181 unique CDR3
13 unique J



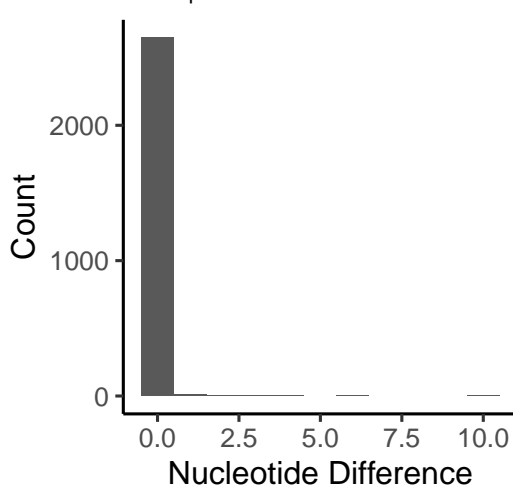
TRBV5-7*ap01

136 sequences assigned
136 (100%) exact matches, in which:
133 unique CDR3
13 unique J



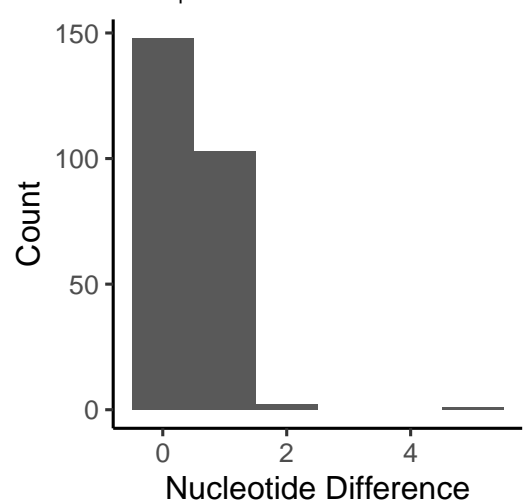
TRBV6-4*ap01

2668 sequences assigned
2647 (99.2%) exact matches, in which:
2632 unique CDR3
13 unique J



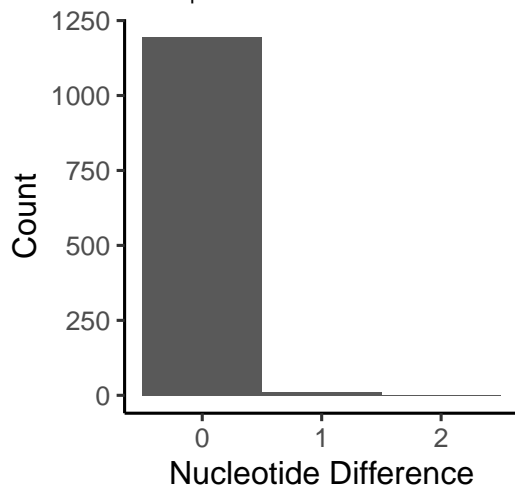
TRBV6-9*ap01

254 sequences assigned
148 (58.3%) exact matches, in which:
147 unique CDR3
12 unique J



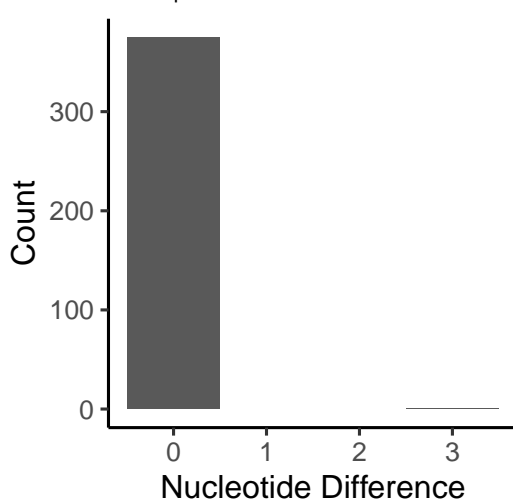
TRBV5-8*ap01

1207 sequences assigned
1195 (99%) exact matches, in which:
1192 unique CDR3
13 unique J



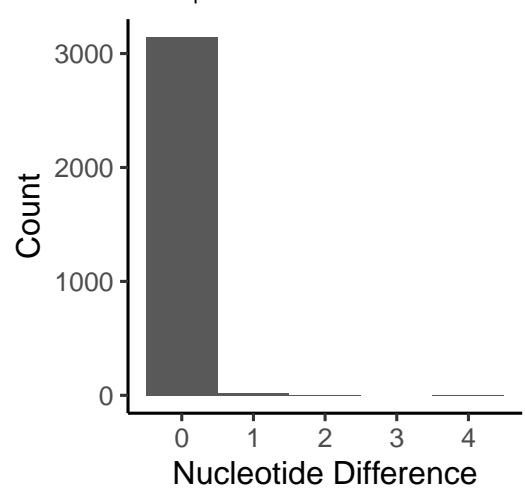
TRBV6-7*ap01

376 sequences assigned
375 (99.7%) exact matches, in which:
368 unique CDR3
13 unique J



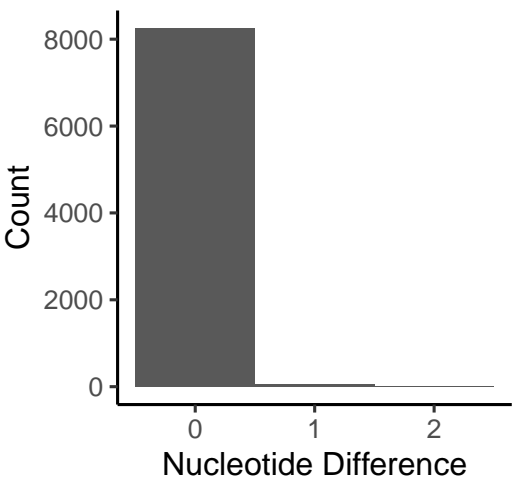
TRBV6-23*ap01

3166 sequences assigned
3145 (99.3%) exact matches, in which:
3110 unique CDR3
13 unique J



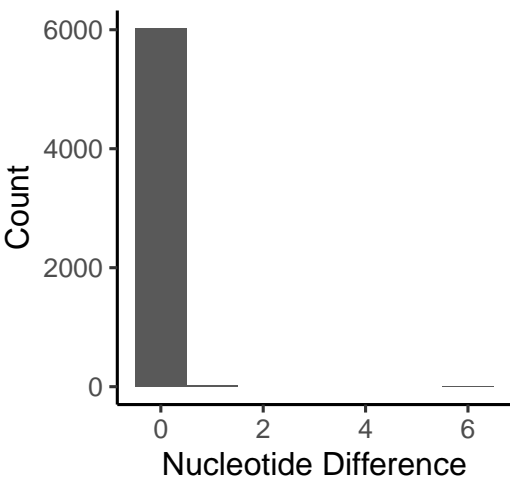
TRBV6-56*ap01

8298 sequences assigned
8248 (99.4%) exact matches, in which:
8157 unique CDR3
13 unique J



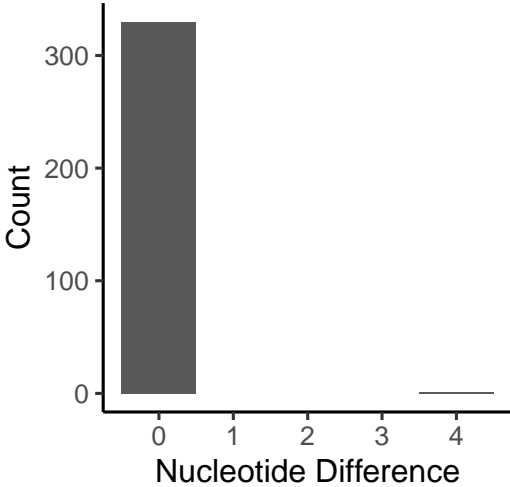
TRBV7-2*ap01

6047 sequences assigned
6022 (99.6%) exact matches, in which:
6004 unique CDR3
13 unique J



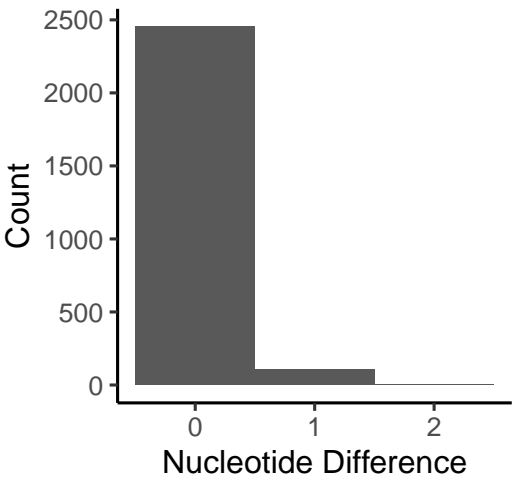
TRBV7-4*ap01

331 sequences assigned
330 (99.7%) exact matches, in which:
328 unique CDR3
13 unique J



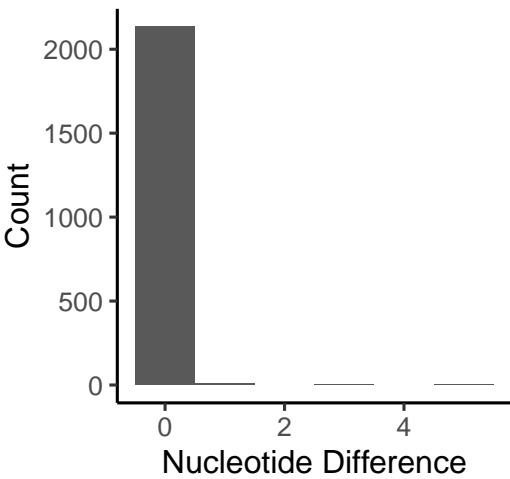
TRBV6-56*ap02

2562 sequences assigned
2453 (95.7%) exact matches, in which:
2430 unique CDR3
13 unique J



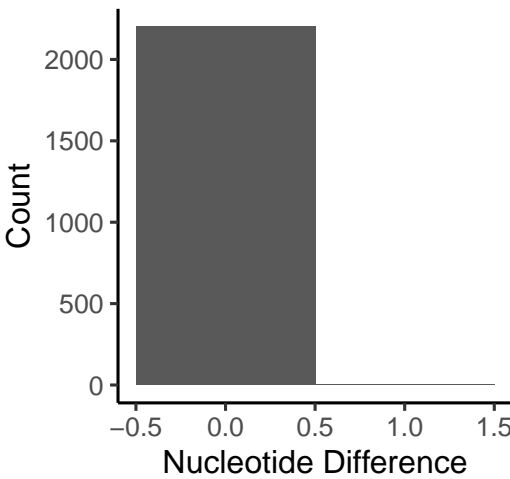
TRBV7-3*ap01

2147 sequences assigned
2134 (99.4%) exact matches, in which:
2125 unique CDR3
13 unique J



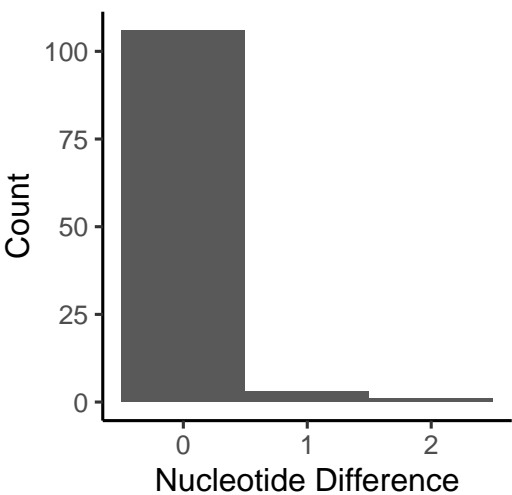
TRBV7-6*ap01

2204 sequences assigned
2201 (99.9%) exact matches, in which:
2187 unique CDR3
13 unique J



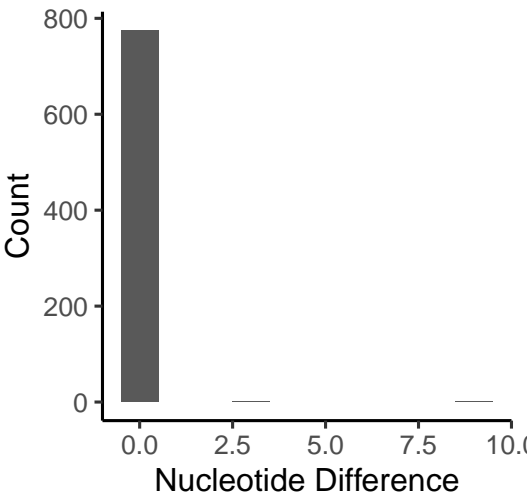
TRBV7-1*ap01_G291C_

110 sequences assigned
106 (96.4%) exact matches, in which:
106 unique CDR3
13 unique J



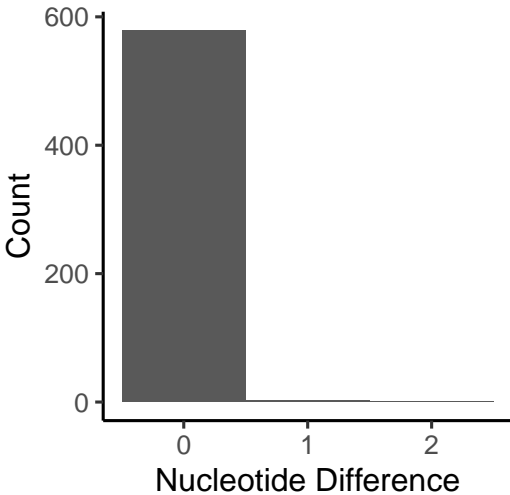
TRBV7-3*ap03

778 sequences assigned
775 (99.6%) exact matches, in which:
772 unique CDR3
13 unique J



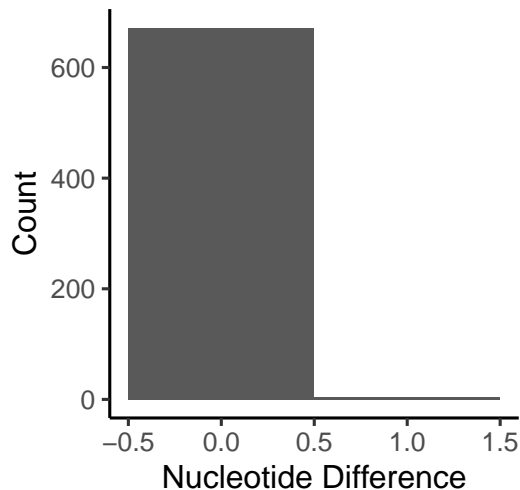
TRBV7-7*ap01

583 sequences assigned
579 (99.3%) exact matches, in which:
575 unique CDR3
13 unique J



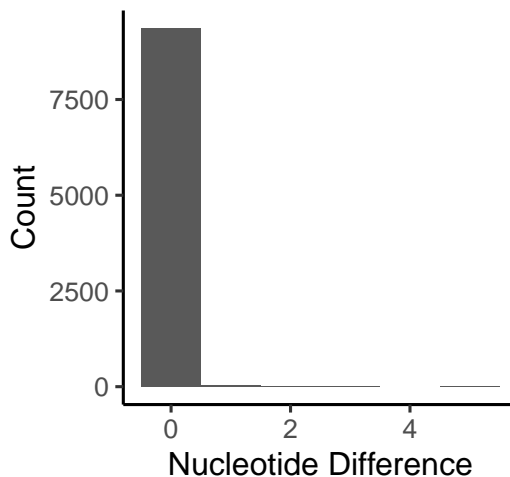
TRBV7-7*ap01_C315T

677 sequences assigned
672 (99.3%) exact matches, in which:
666 unique CDR3
13 unique J



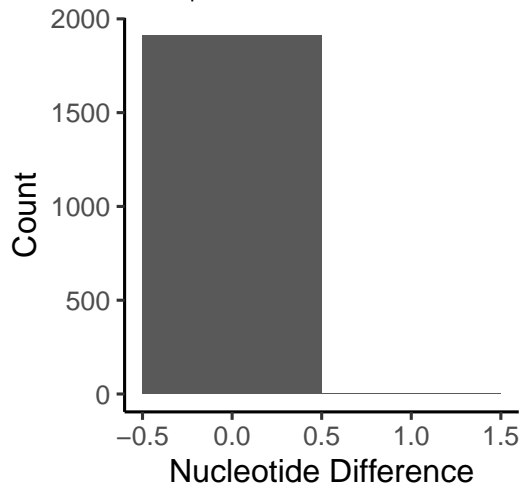
TRBV7-9*ap01

9409 sequences assigned
9357 (99.4%) exact matches, in which:
9315 unique CDR3
13 unique J



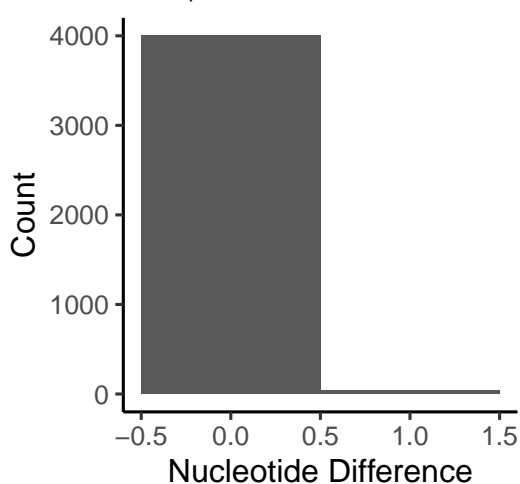
TRBV7-8*ap01

1915 sequences assigned
1910 (99.7%) exact matches, in which:
1900 unique CDR3
13 unique J



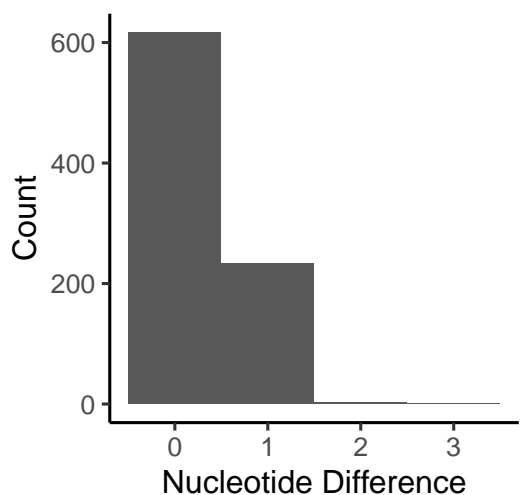
TRBV29-1*ap01

4045 sequences assigned
4001 (98.9%) exact matches, in which:
3947 unique CDR3
13 unique J



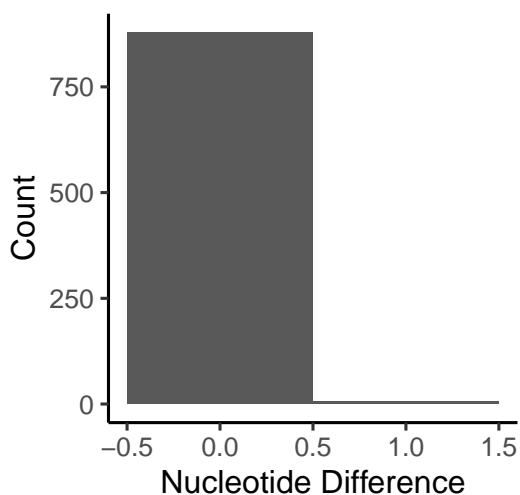
TRBV7-8*ap03

854 sequences assigned
617 (72.2%) exact matches, in which:
613 unique CDR3
13 unique J

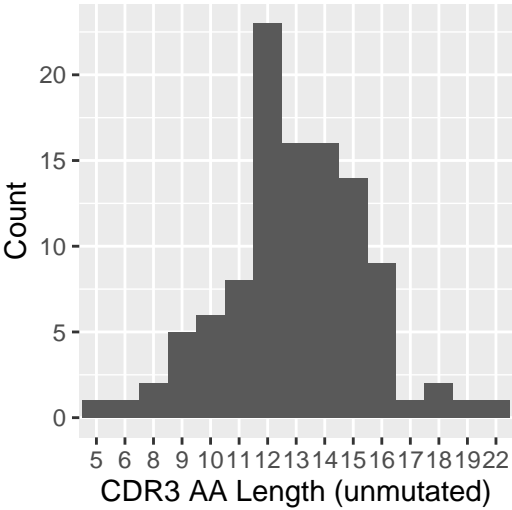


TRBV29-1*ap02

884 sequences assigned
879 (99.4%) exact matches, in which:
862 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

