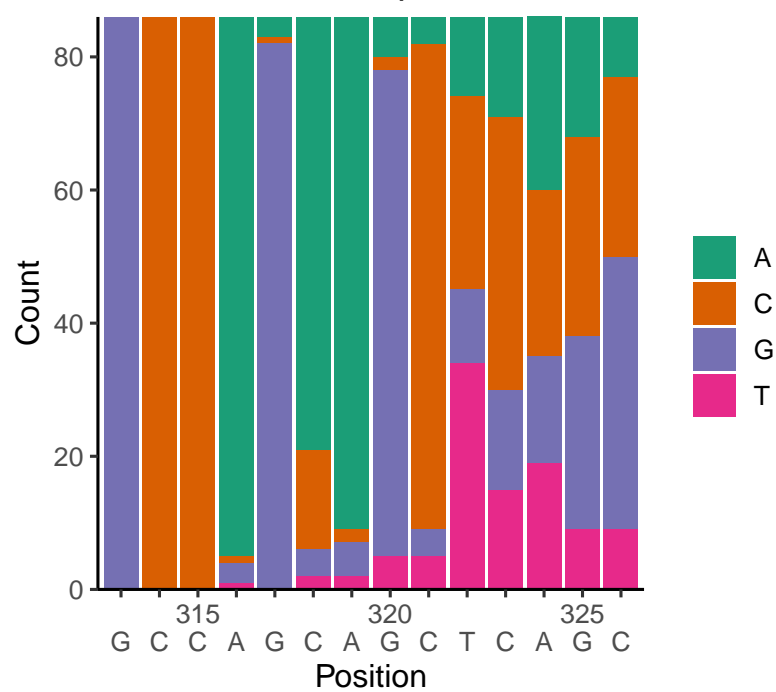
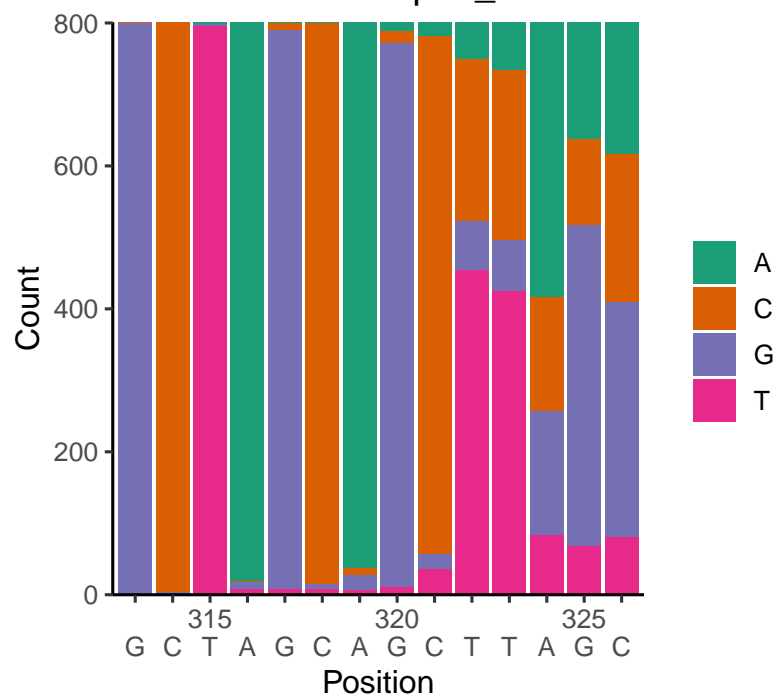


Gene TRBV7-1*ap01_T296C



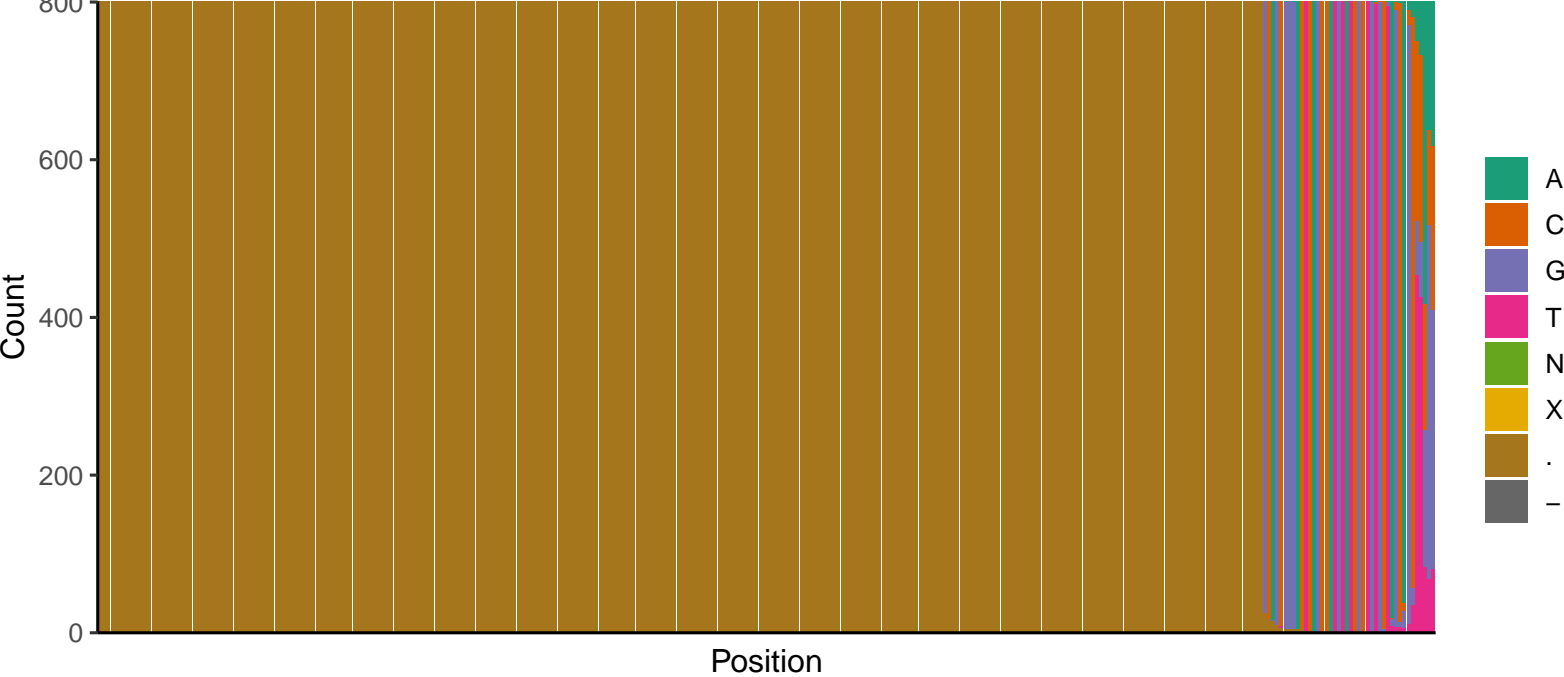
Gene TRBV7-7*ap01_C315T



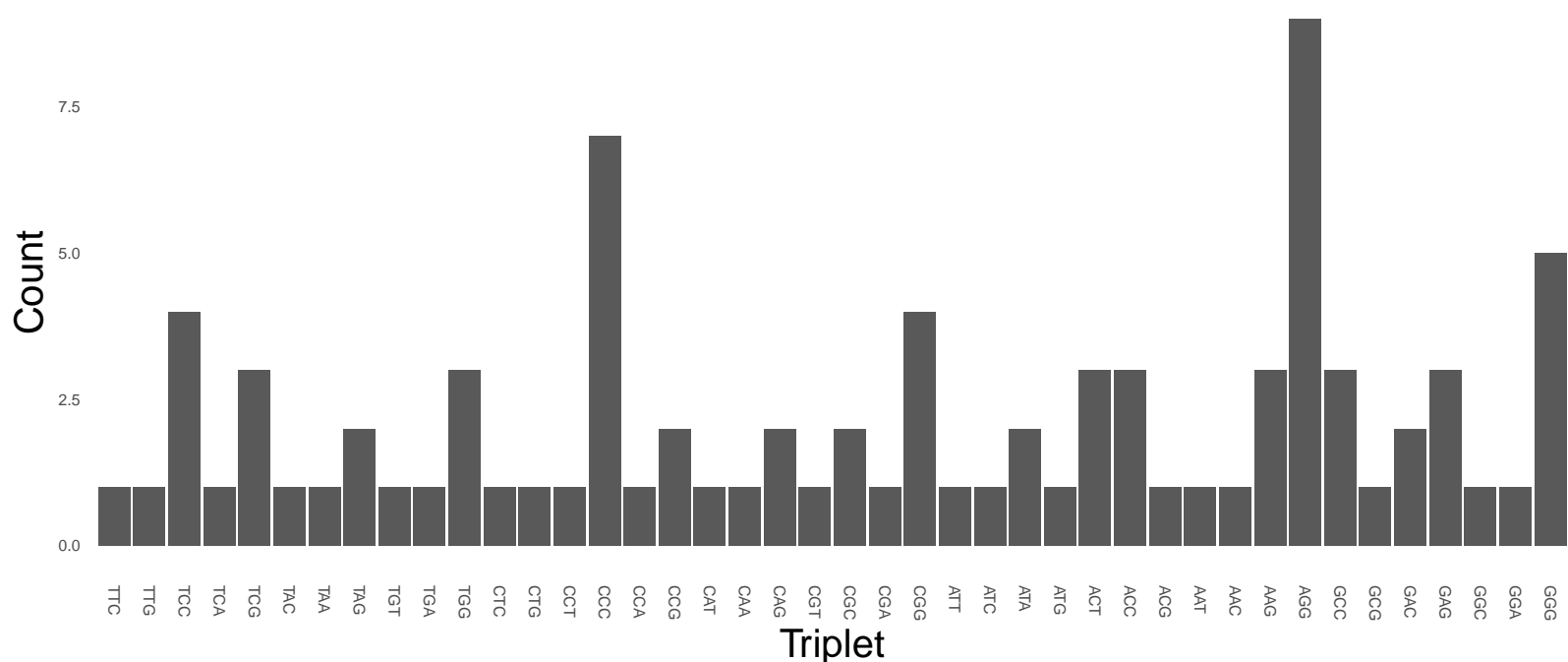
Gene TRBV7-1*ap01_T296C



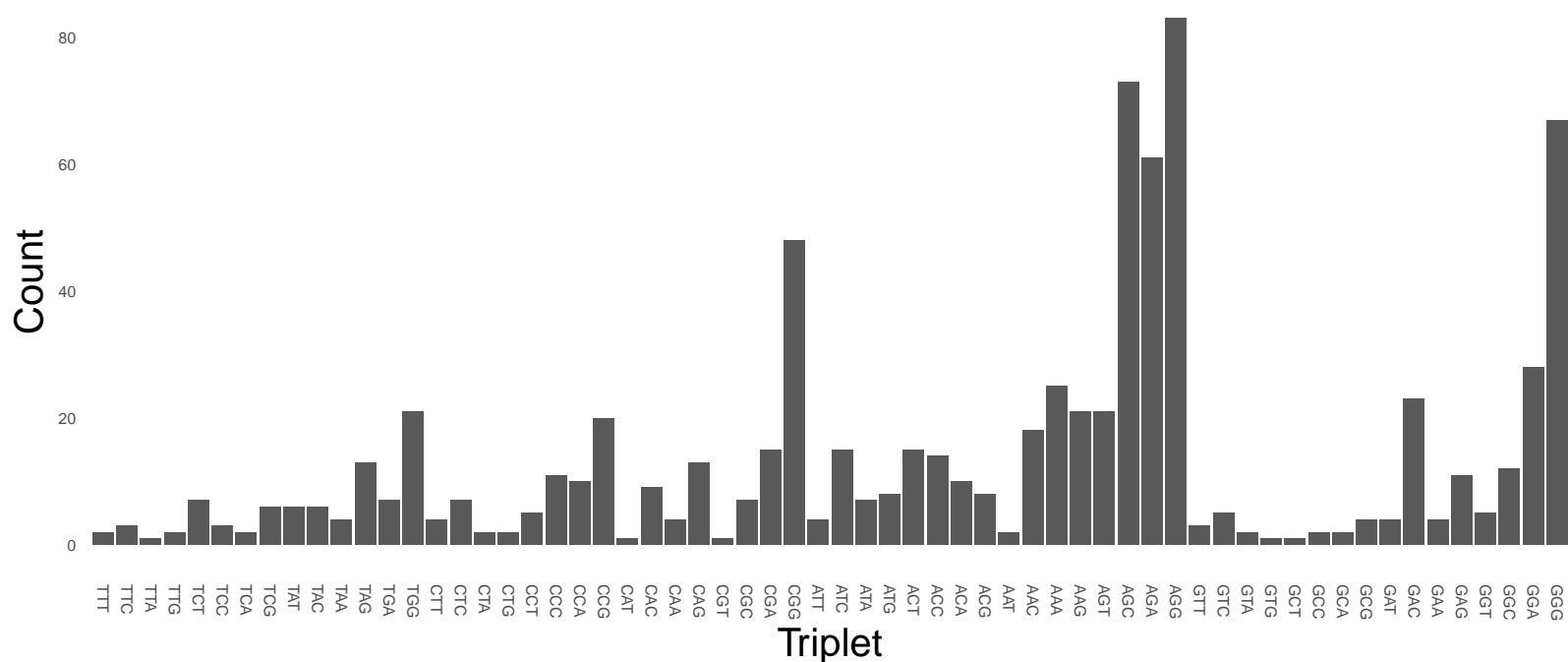
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

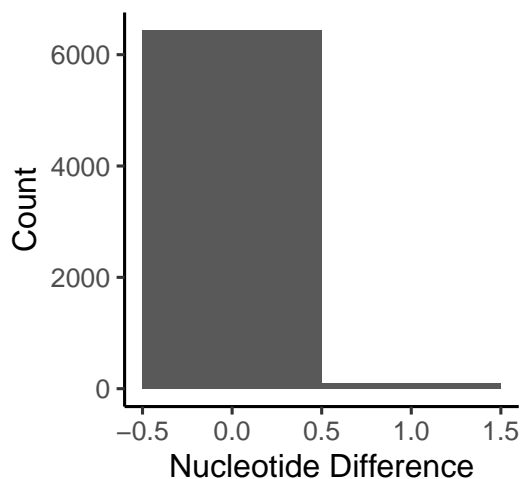


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



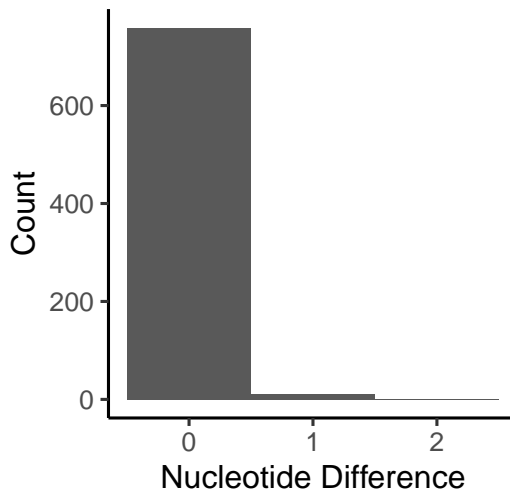
TRBV20–1*ap01

6540 sequences assigned
6436 (98.4%) exact matches, in which:
6308 unique CDR3
13 unique J



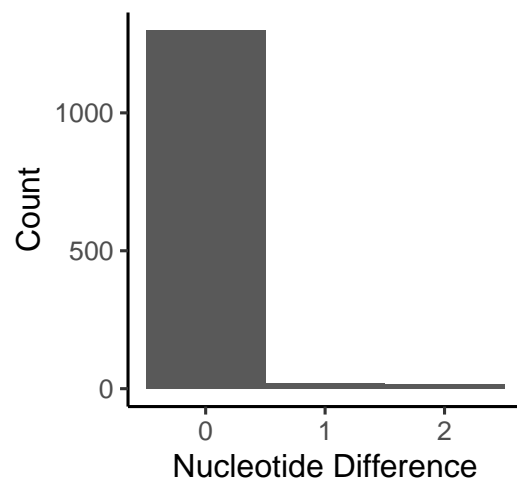
TRBV10–2*ap01

771 sequences assigned
759 (98.4%) exact matches, in which:
739 unique CDR3
13 unique J



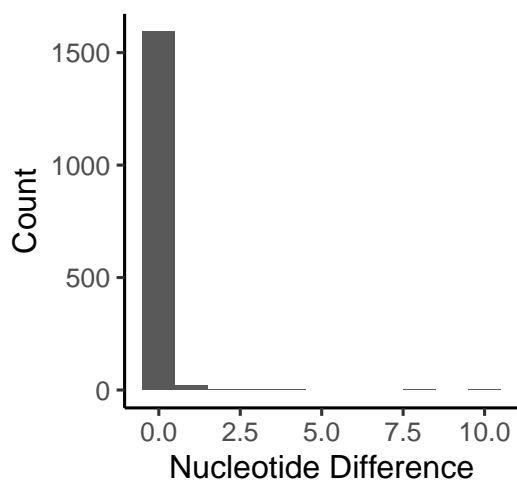
TRBV13*ap01

1335 sequences assigned
1299 (97.3%) exact matches, in which:
1234 unique CDR3
13 unique J



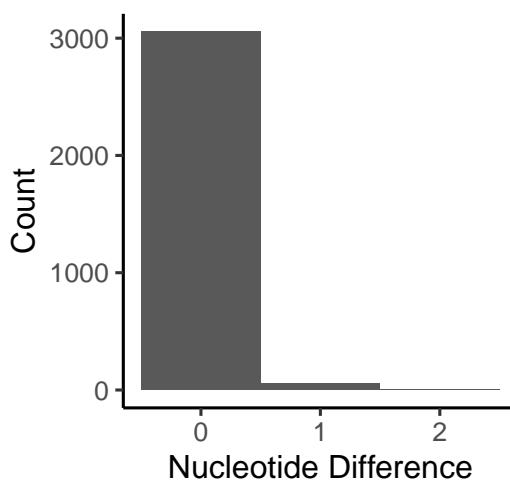
TRBV10–1*ap01

1616 sequences assigned
1593 (98.6%) exact matches, in which:
1548 unique CDR3
13 unique J



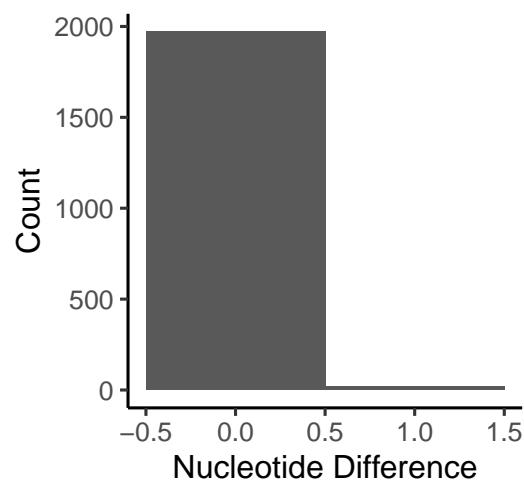
TRBV10–3*ap01

3111 sequences assigned
3055 (98.2%) exact matches, in which:
2987 unique CDR3
13 unique J



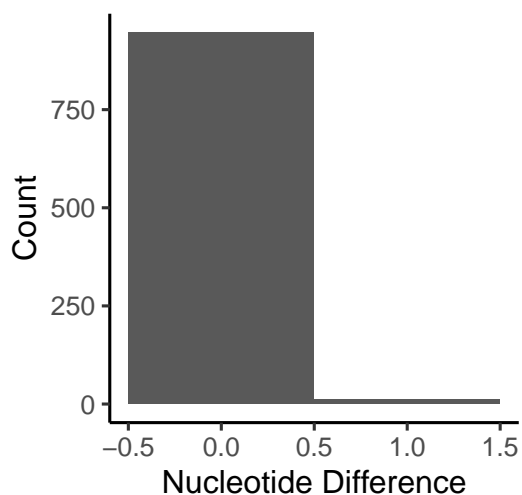
TRBV14*ap01

1992 sequences assigned
1971 (98.9%) exact matches, in which:
1931 unique CDR3
13 unique J



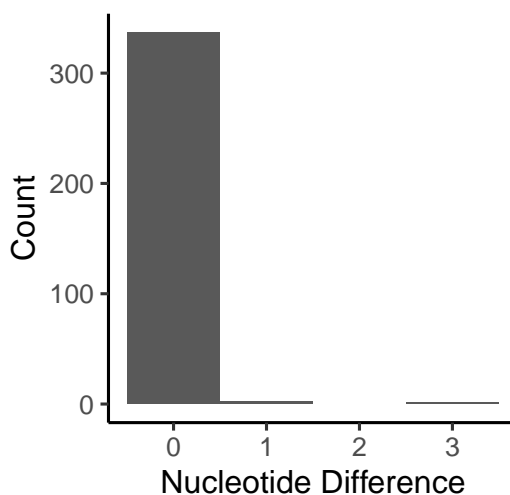
TRBV20–1*ap02

959 sequences assigned
947 (98.7%) exact matches, in which:
927 unique CDR3
13 unique J



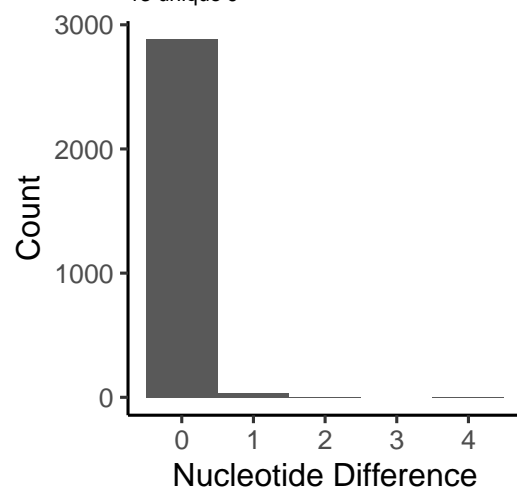
TRBV1*ap01

340 sequences assigned
337 (99.1%) exact matches, in which:
327 unique CDR3
13 unique J



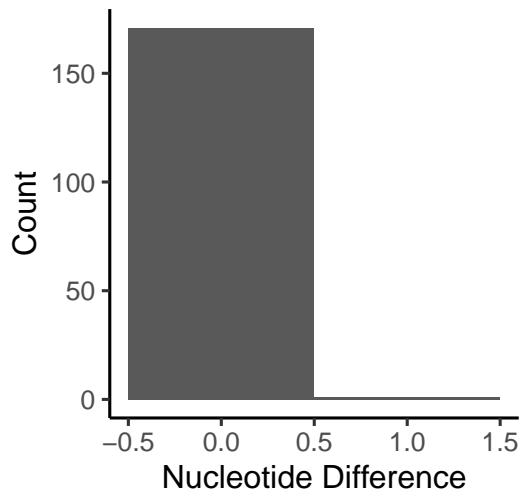
TRBV15*ap02

2920 sequences assigned
2885 (98.8%) exact matches, in which:
2788 unique CDR3
13 unique J



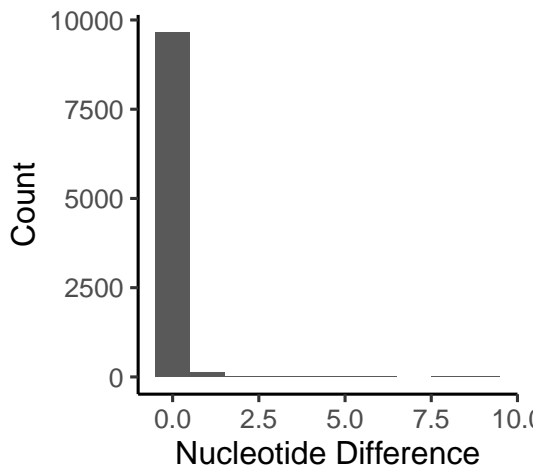
TRBV16*ap01

172 sequences assigned
171 (99.4%) exact matches, in which:
171 unique CDR3
13 unique J



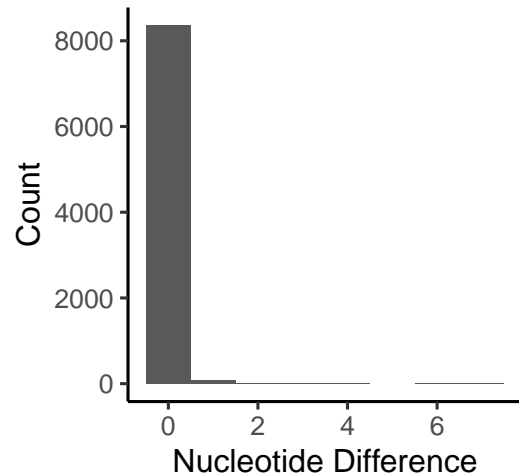
TRBV19*ap01

9815 sequences assigned
9659 (98.4%) exact matches, in which:
9519 unique CDR3
13 unique J



TRBV27*ap01

8458 sequences assigned
8359 (98.8%) exact matches, in which:
8220 unique CDR3
13 unique J



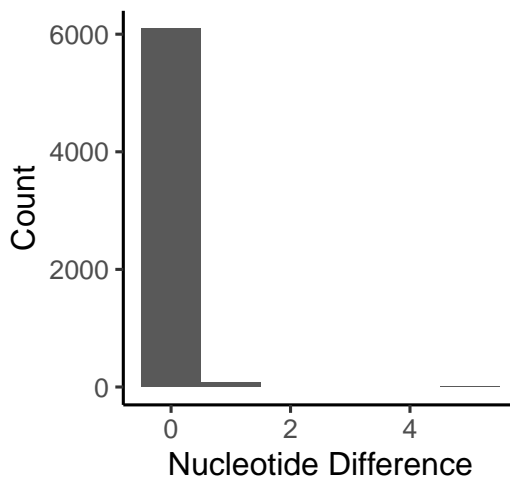
TRBV17*ap01

1 sequences assigned
No exact matches.



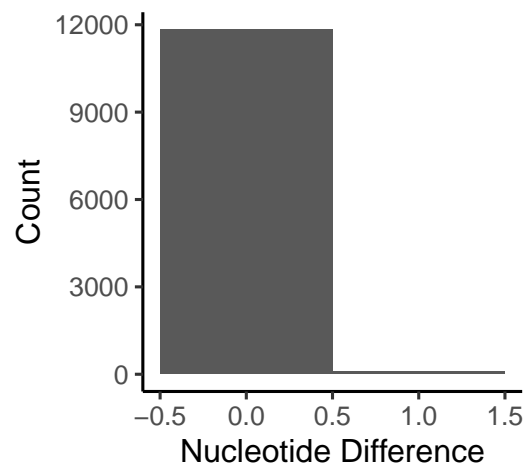
TRBV2*ap01

6179 sequences assigned
6093 (98.6%) exact matches, in which:
5923 unique CDR3
13 unique J



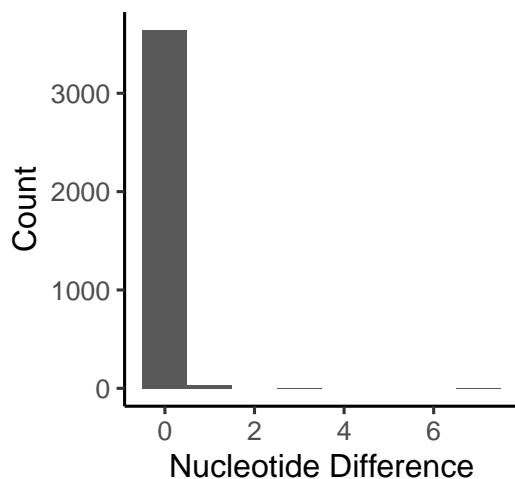
TRBV28*ap01

11938 sequences assigned
11838 (99.2%) exact matches, in which:
11664 unique CDR3
13 unique J



TRBV18*ap01

3677 sequences assigned
3643 (99.1%) exact matches, in which:
3591 unique CDR3
13 unique J



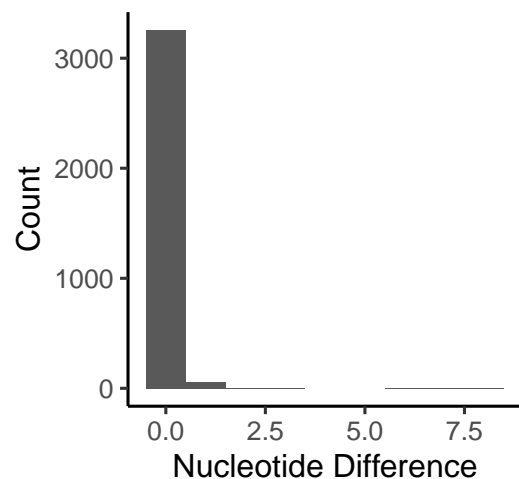
TRBV26*ap01

1 sequences assigned
No exact matches.



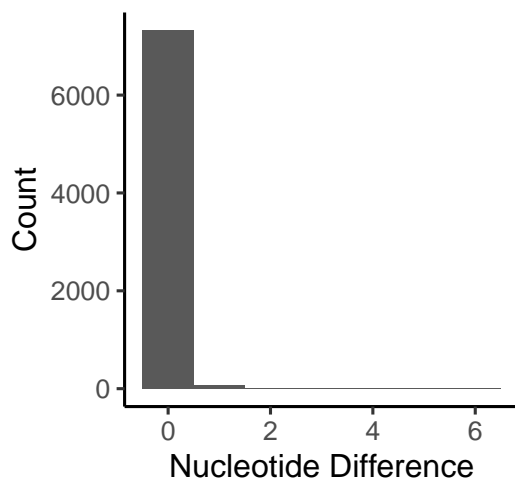
TRBV30*ap02

3319 sequences assigned
3256 (98.1%) exact matches, in which:
3181 unique CDR3
13 unique J



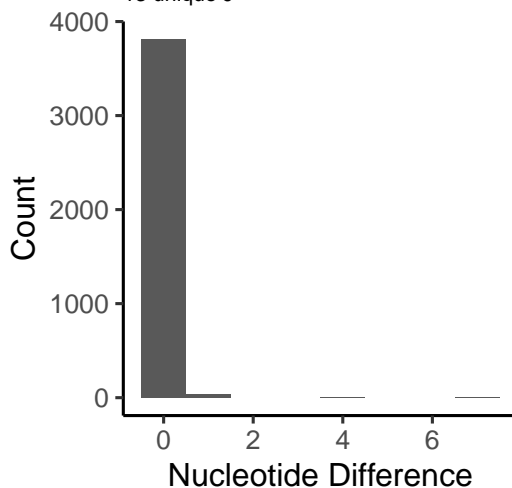
TRBV9*ap01

7406 sequences assigned
7322 (98.9%) exact matches, in which:
7186 unique CDR3
13 unique J



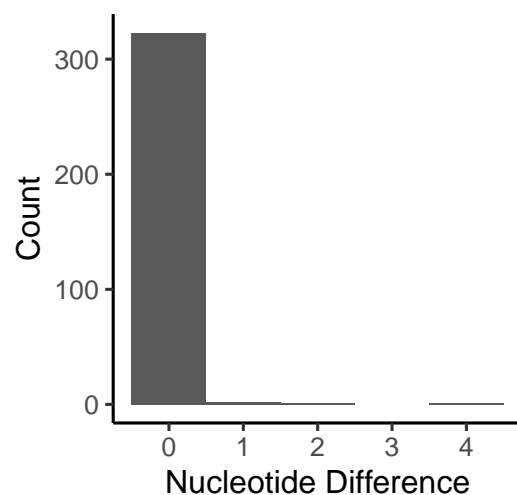
TRBV11-2*ap01

3854 sequences assigned
3810 (98.9%) exact matches, in which:
3729 unique CDR3
13 unique J



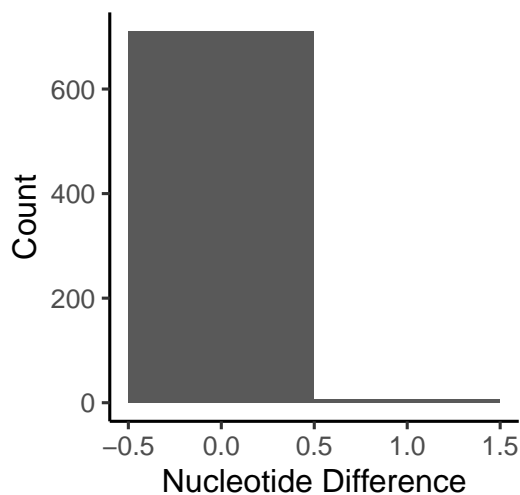
TRBV12-2*ap01

327 sequences assigned
323 (98.8%) exact matches, in which:
319 unique CDR3
13 unique J



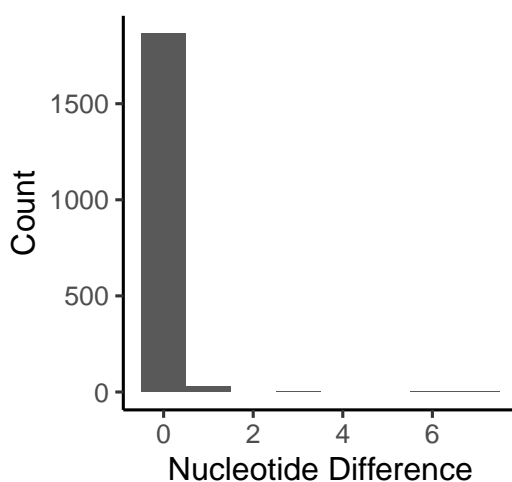
TRBV11-1*ap01

717 sequences assigned
711 (99.2%) exact matches, in which:
701 unique CDR3
13 unique J



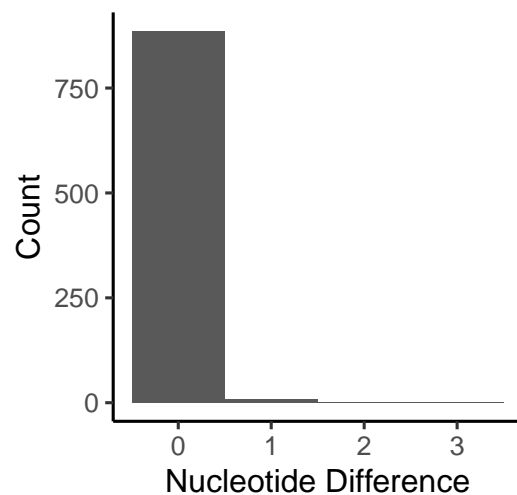
TRBV11-3*ap01

1895 sequences assigned
1864 (98.4%) exact matches, in which:
1827 unique CDR3
13 unique J



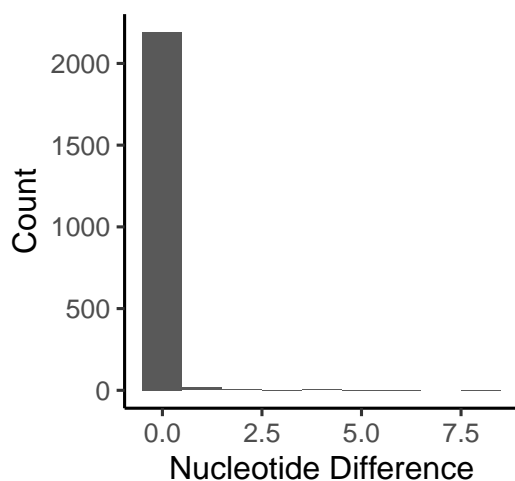
TRBV12-5*ap01

896 sequences assigned
886 (98.9%) exact matches, in which:
867 unique CDR3
13 unique J



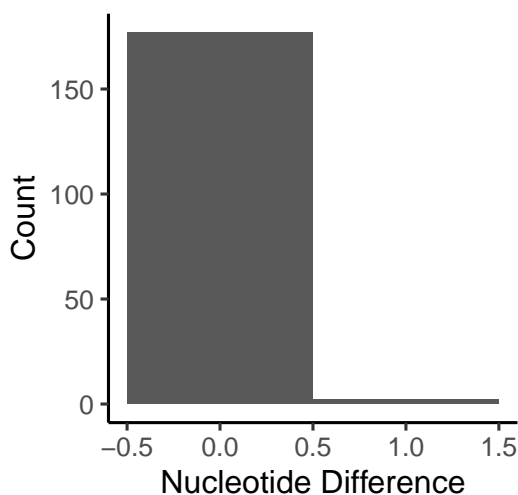
TRBV21-1*ap01

2226 sequences assigned
2192 (98.5%) exact matches, in which:
2172 unique CDR3
13 unique J



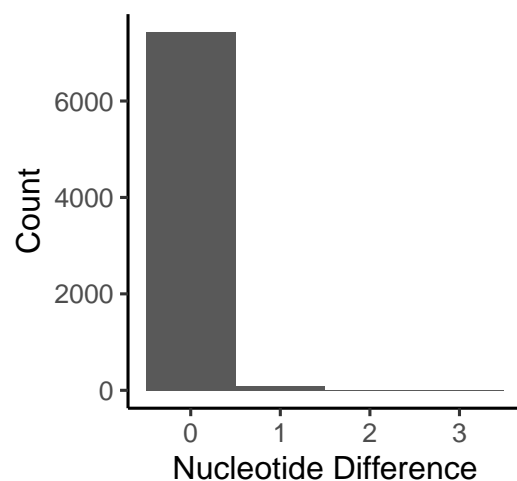
TRBV12-1*ap01

179 sequences assigned
177 (98.9%) exact matches, in which:
174 unique CDR3
13 unique J



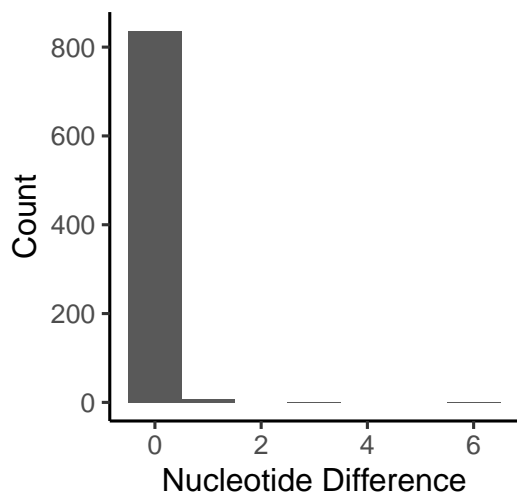
TRBV12-34*ap01

7519 sequences assigned
7430 (98.8%) exact matches, in which:
7263 unique CDR3
13 unique J



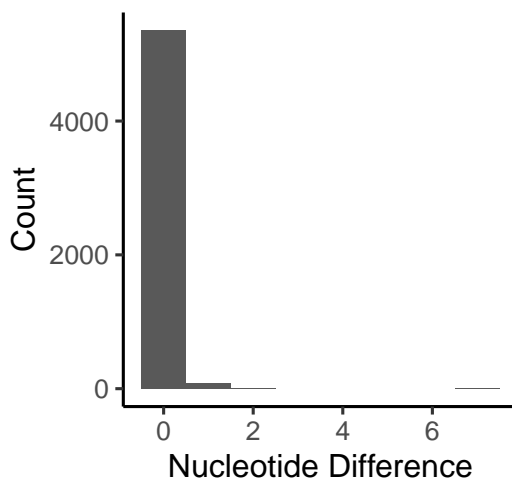
TRBV23-1*ap01

846 sequences assigned
837 (98.9%) exact matches, in which:
831 unique CDR3
13 unique J



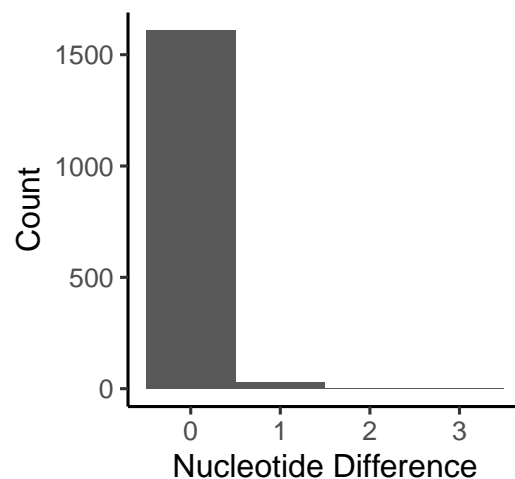
TRBV4-1*ap01

5437 sequences assigned
5355 (98.5%) exact matches, in which:
5193 unique CDR3
13 unique J



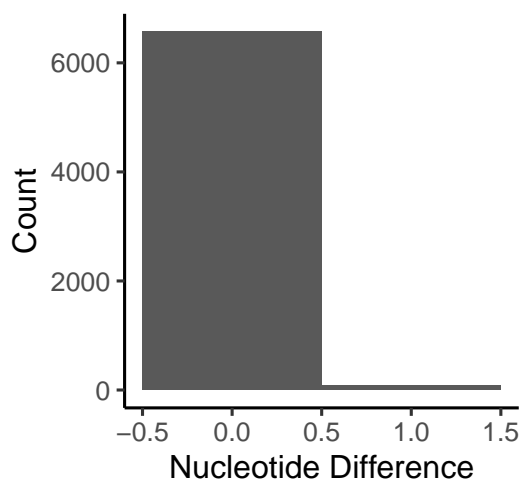
TRBV25-1*ap01

1641 sequences assigned
1609 (98%) exact matches, in which:
1572 unique CDR3
13 unique J



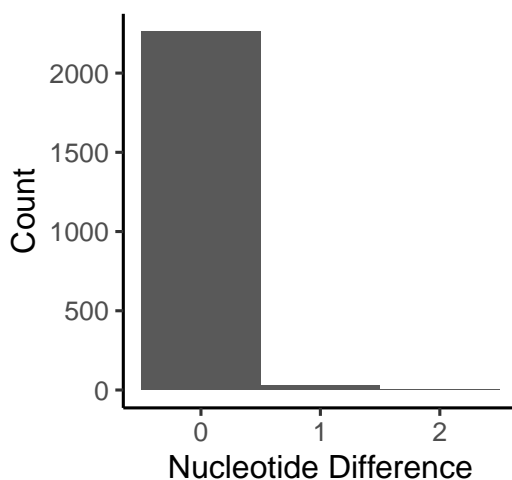
TRBV3-12*ap01

6655 sequences assigned
6571 (98.7%) exact matches, in which:
6418 unique CDR3
13 unique J



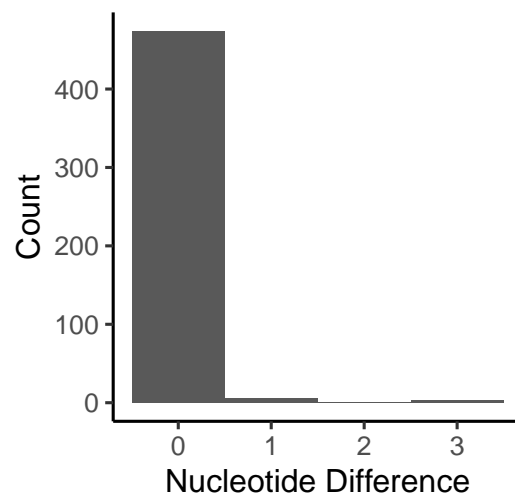
TRBV4-2*ap01

2293 sequences assigned
2261 (98.6%) exact matches, in which:
2212 unique CDR3
13 unique J



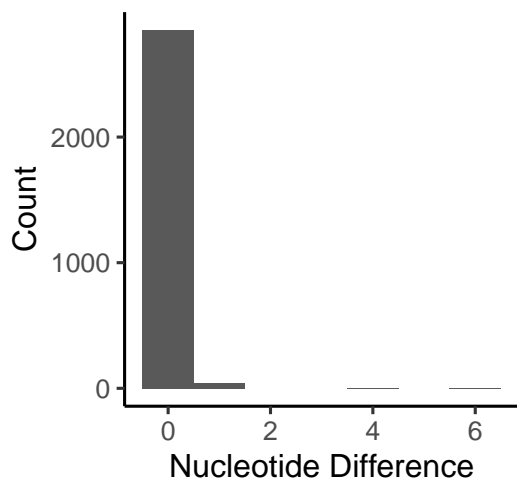
TRBV5-3*ap01

484 sequences assigned
474 (97.9%) exact matches, in which:
461 unique CDR3
13 unique J



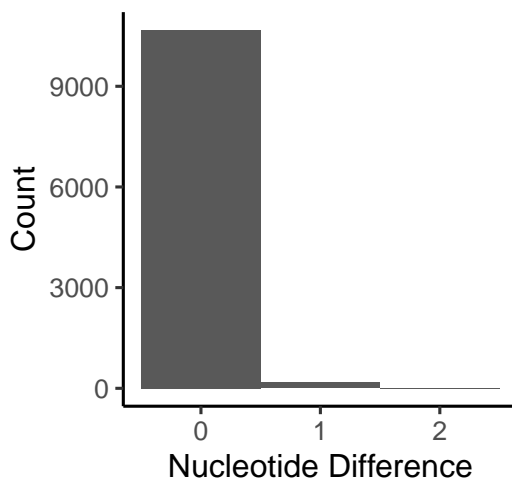
TRBV24-1*ap01

2895 sequences assigned
2852 (98.5%) exact matches, in which:
2799 unique CDR3
13 unique J



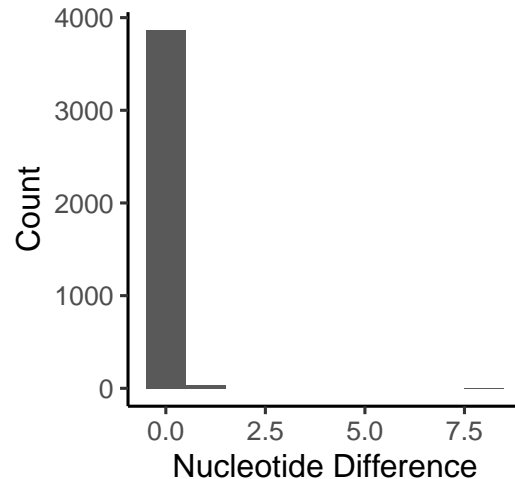
TRBV5-1*ap01

10851 sequences assigned
10676 (98.4%) exact matches, in which:
10324 unique CDR3
13 unique J



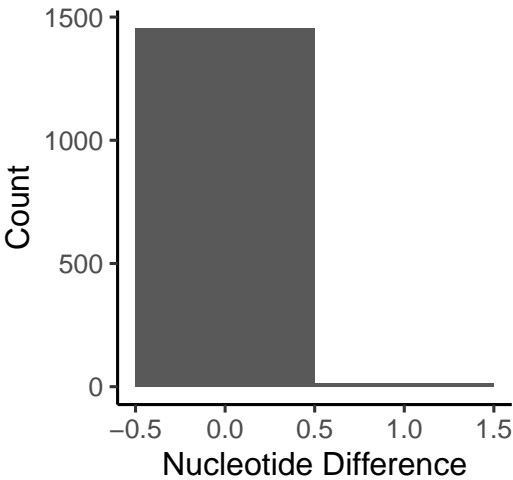
TRBV5-4*ap01

3906 sequences assigned
3866 (99%) exact matches, in which:
3766 unique CDR3
13 unique J



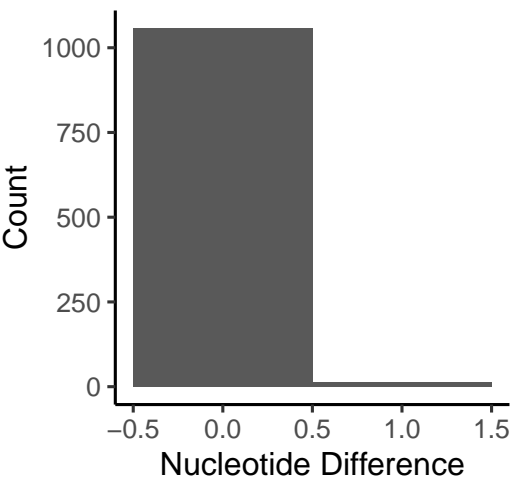
TRBV5-5*ap01

1469 sequences assigned
1454 (99%) exact matches, in which:
1439 unique CDR3
13 unique J



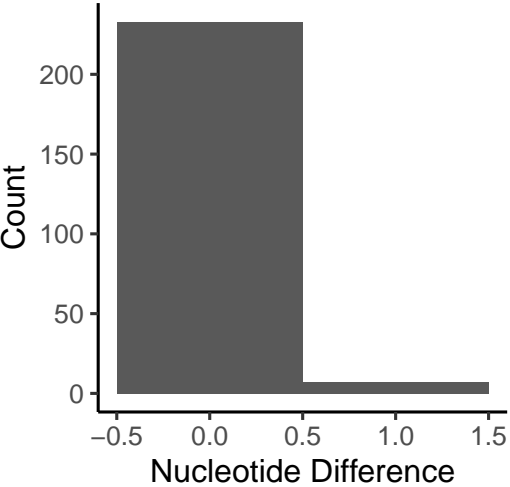
TRBV5-8*ap01

1070 sequences assigned
1057 (98.8%) exact matches, in which:
1044 unique CDR3
13 unique J



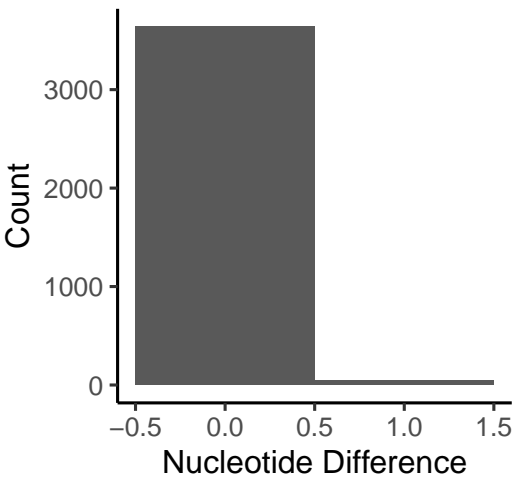
TRBV6-7*ap01

240 sequences assigned
233 (97.1%) exact matches, in which:
227 unique CDR3
13 unique J



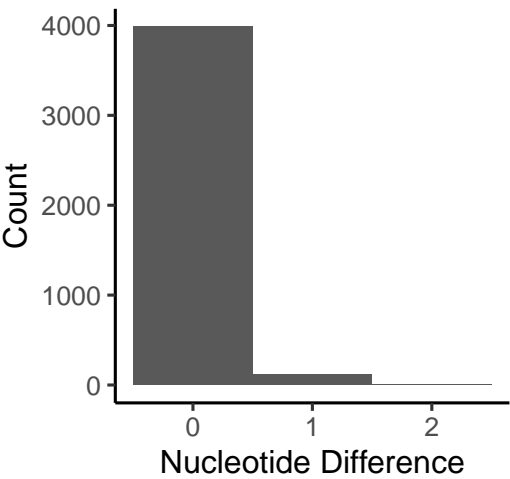
TRBV5-6*ap01

3685 sequences assigned
3639 (98.8%) exact matches, in which:
3493 unique CDR3
13 unique J



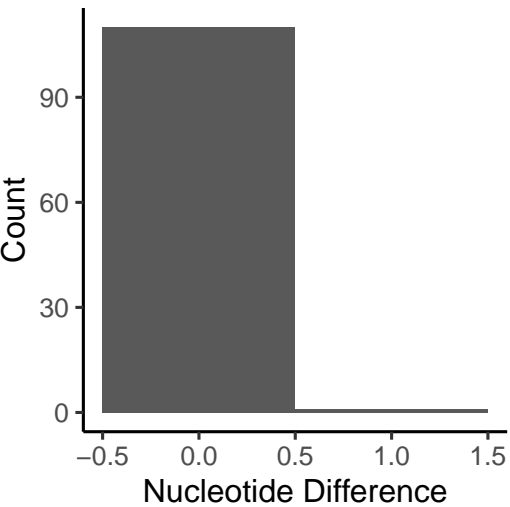
TRBV6-1*ap01

4106 sequences assigned
3986 (97.1%) exact matches, in which:
3853 unique CDR3
13 unique J



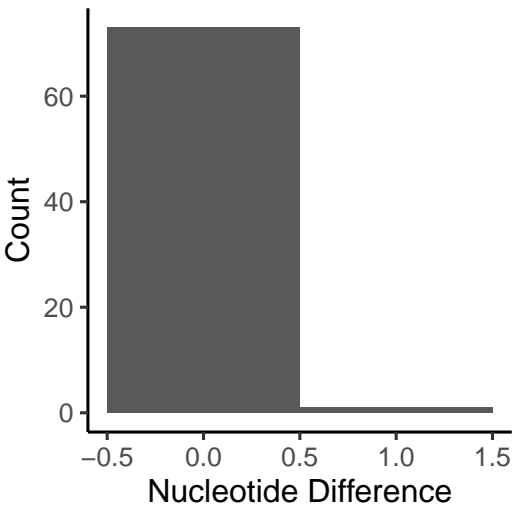
TRBV6-8*ap01

111 sequences assigned
110 (99.1%) exact matches, in which:
109 unique CDR3
13 unique J



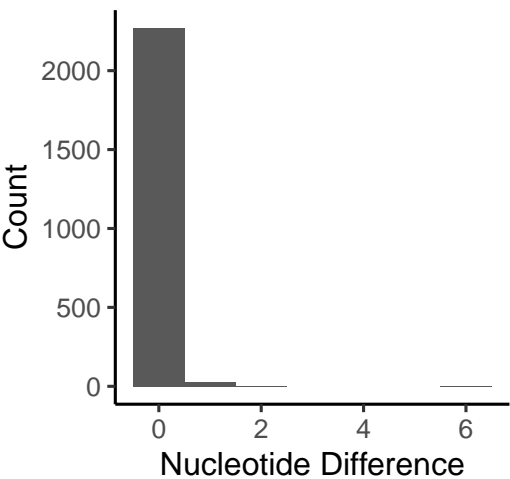
TRBV5-7*ap01

74 sequences assigned
73 (98.6%) exact matches, in which:
72 unique CDR3
12 unique J



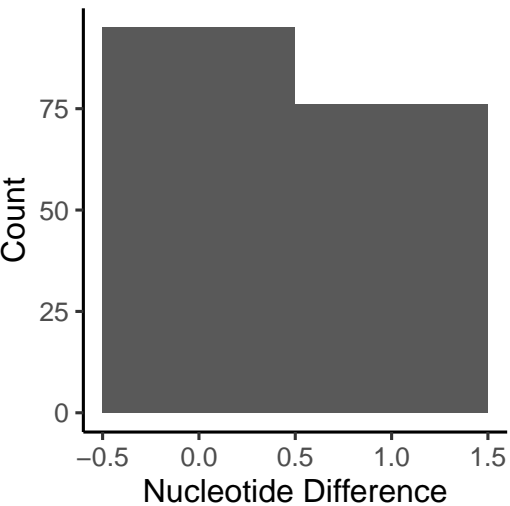
TRBV6-4*ap01

2303 sequences assigned
2270 (98.6%) exact matches, in which:
2219 unique CDR3
13 unique J



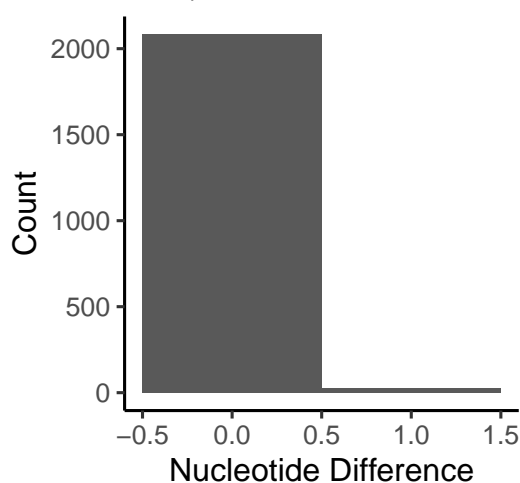
TRBV6-9*ap01

171 sequences assigned
95 (55.6%) exact matches, in which:
92 unique CDR3
13 unique J



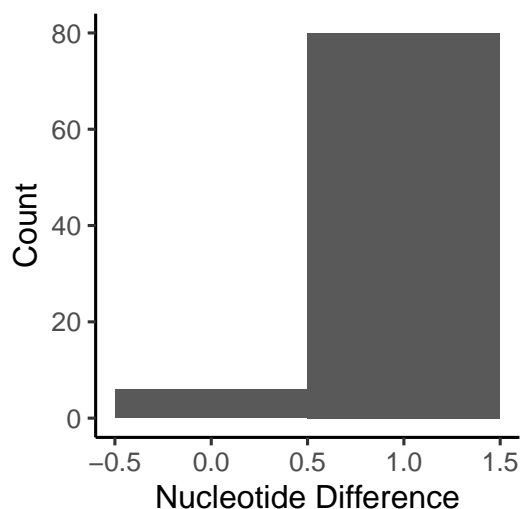
TRBV6-23*ap01

2112 sequences assigned
2083 (98.6%) exact matches, in which:
1997 unique CDR3
13 unique J



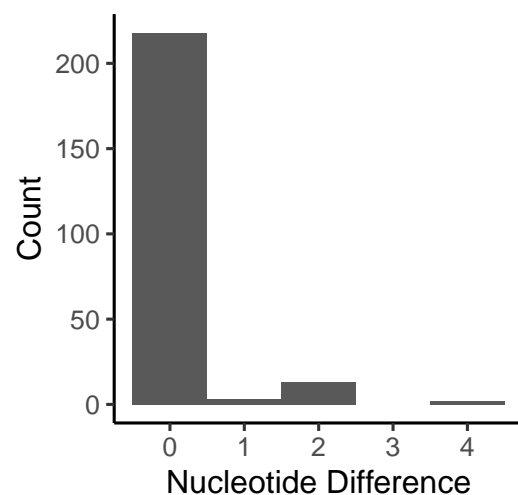
TRBV7-1*ap01_T296C

86 sequences assigned
6 (7%) exact matches, in which:
6 unique CDR3
4 unique J



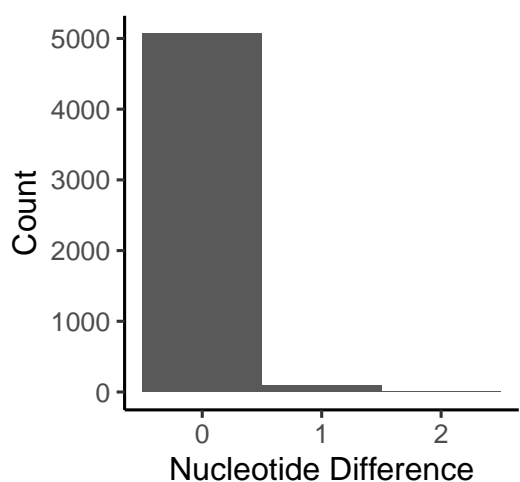
TRBV7-4*ap01

236 sequences assigned
218 (92.4%) exact matches, in which:
213 unique CDR3
13 unique J



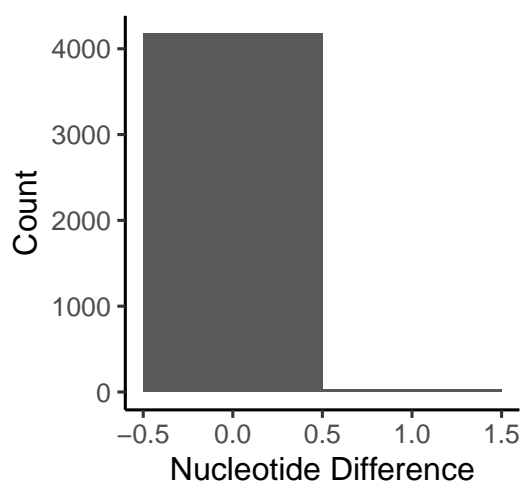
TRBV6-56*ap01

5166 sequences assigned
5067 (98.1%) exact matches, in which:
4885 unique CDR3
13 unique J



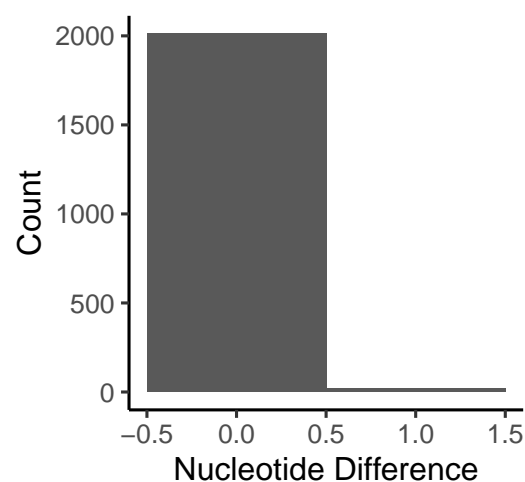
TRBV7-2*ap01

4203 sequences assigned
4175 (99.3%) exact matches, in which:
4078 unique CDR3
13 unique J



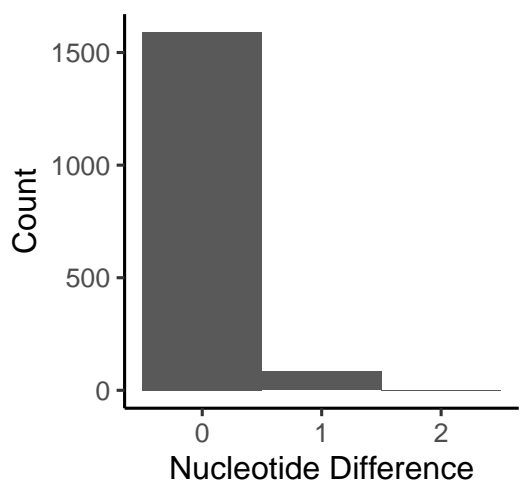
TRBV7-6*ap01

2031 sequences assigned
2012 (99.1%) exact matches, in which:
1965 unique CDR3
13 unique J



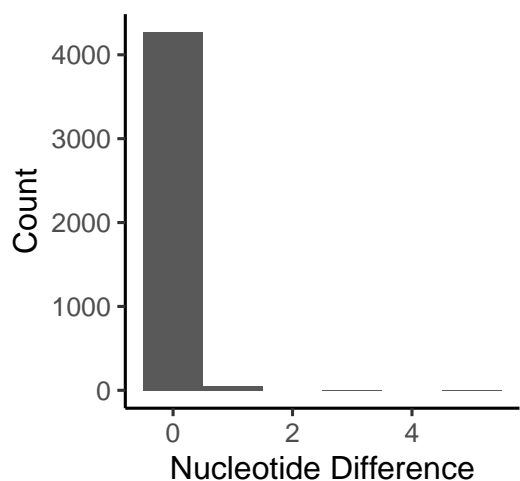
TRBV6-56*ap02

1676 sequences assigned
1591 (94.9%) exact matches, in which:
1522 unique CDR3
13 unique J



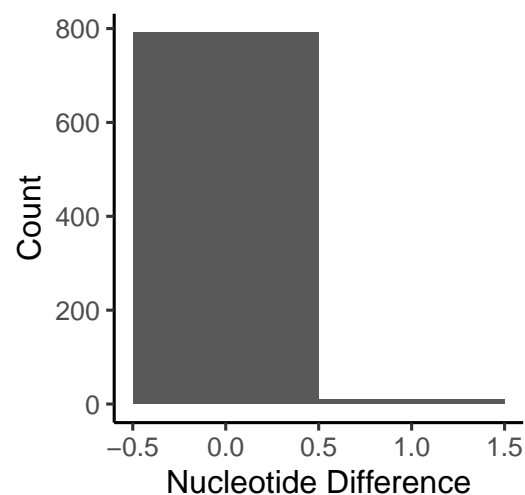
TRBV7-3*ap01

4321 sequences assigned
4271 (98.8%) exact matches, in which:
4163 unique CDR3
13 unique J



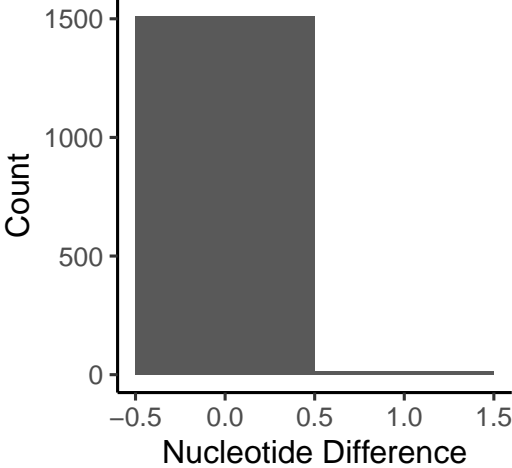
TRBV7-7*ap01_C315T

801 sequences assigned
792 (98.9%) exact matches, in which:
777 unique CDR3
13 unique J



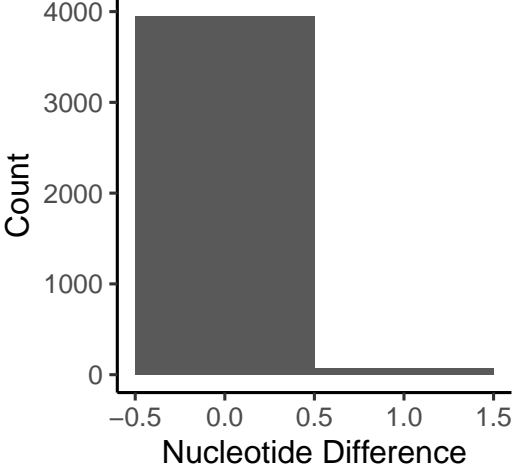
TRBV7-8*ap01

1524 sequences assigned
1510 (99.1%) exact matches, in which:
1478 unique CDR3
13 unique J



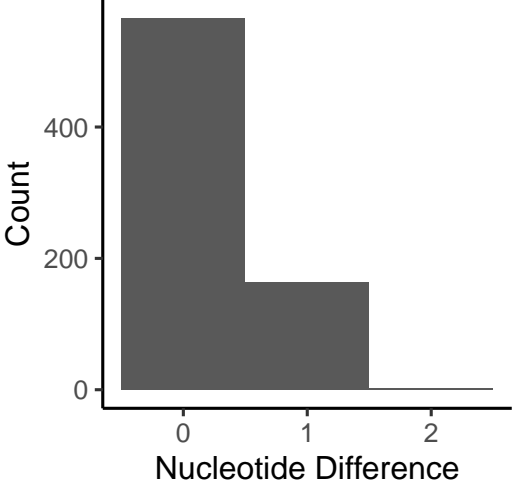
TRBV29-1*ap01

4014 sequences assigned
3947 (98.3%) exact matches, in which:
3794 unique CDR3
13 unique J



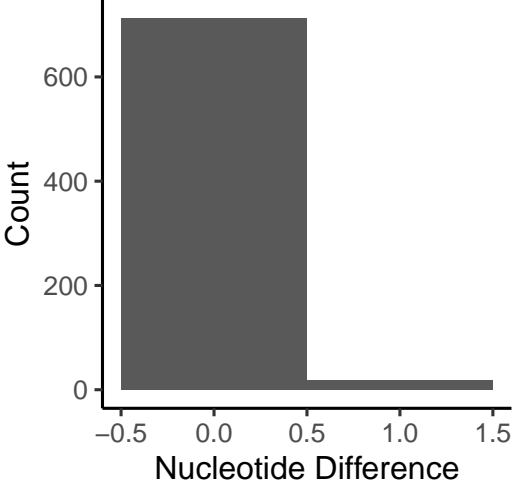
TRBV7-8*ap03

732 sequences assigned
566 (77.3%) exact matches, in which:
558 unique CDR3
13 unique J



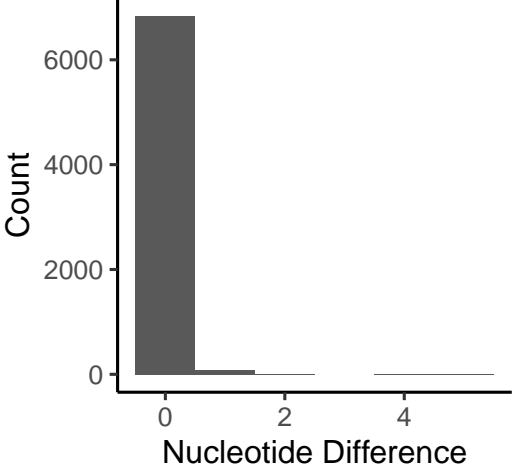
TRBV29-1*ap02

731 sequences assigned
713 (97.5%) exact matches, in which:
687 unique CDR3
13 unique J

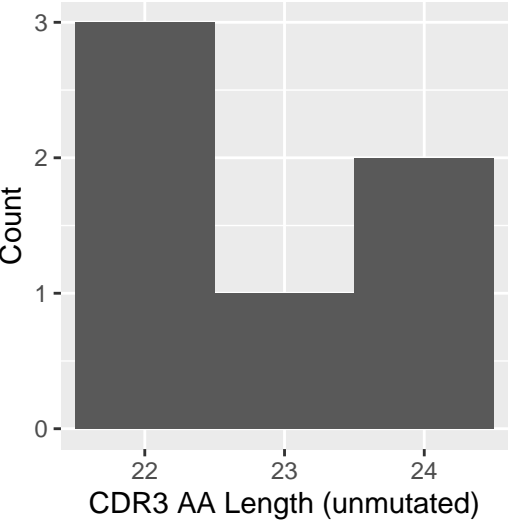


TRBV7-9*ap01

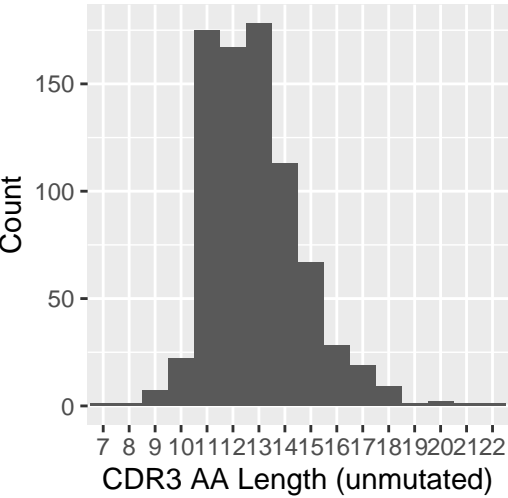
6927 sequences assigned
6835 (98.7%) exact matches, in which:
6668 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]