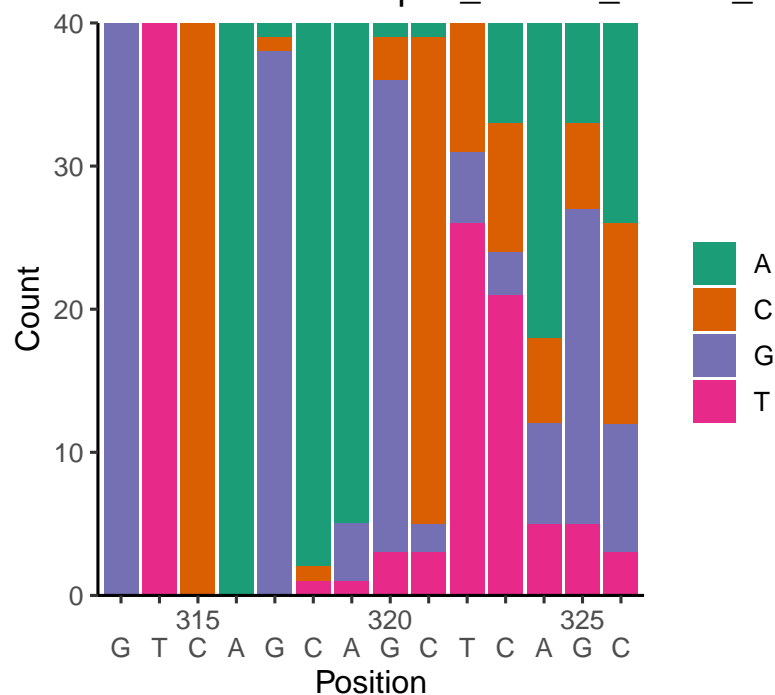
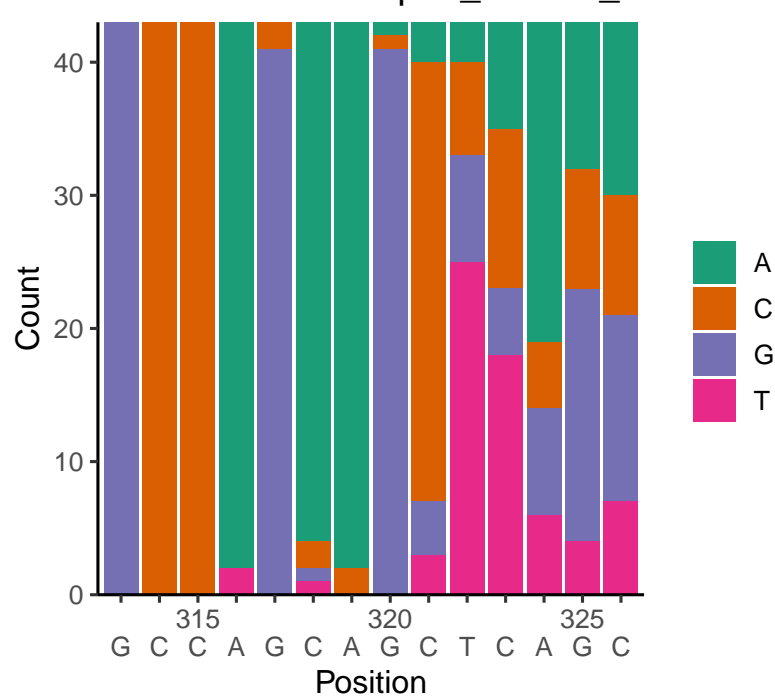


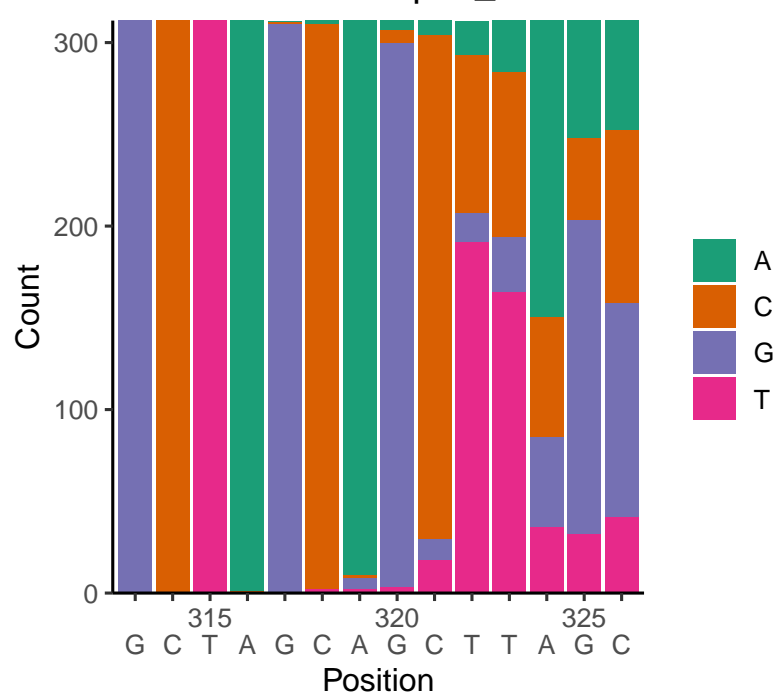
Gene TRBV7-1*ap01_G291C_T296C_C314T



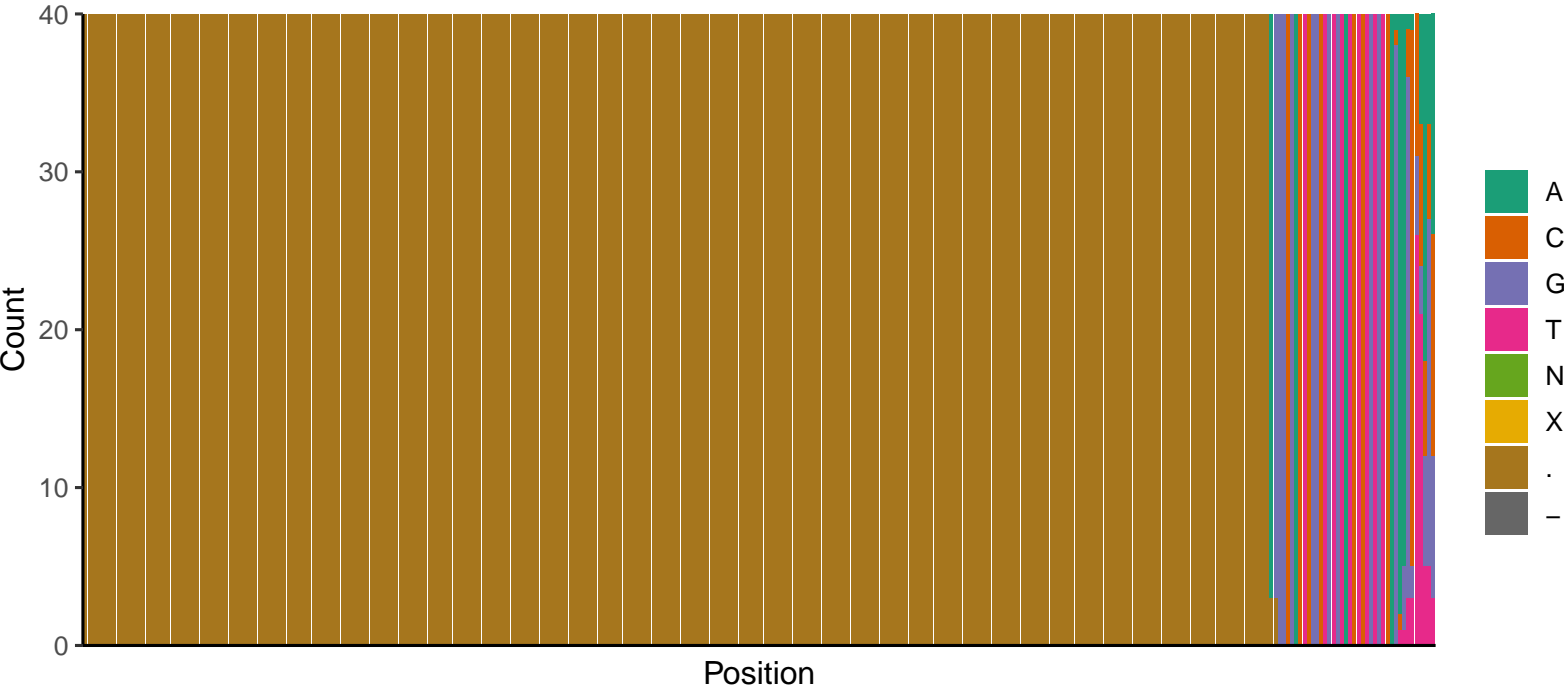
Gene TRBV7-1*ap01_G291C_T296C



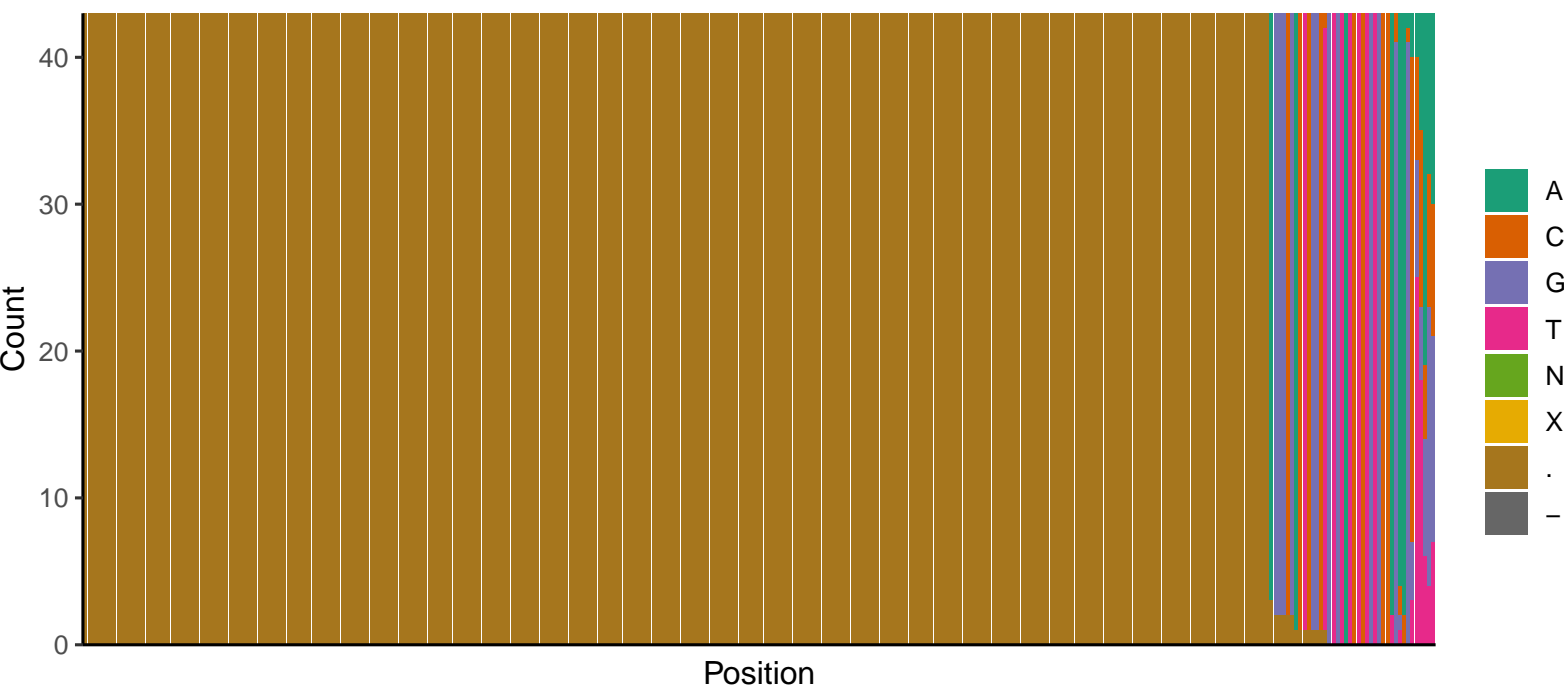
Gene TRBV7-7*ap01_C315T



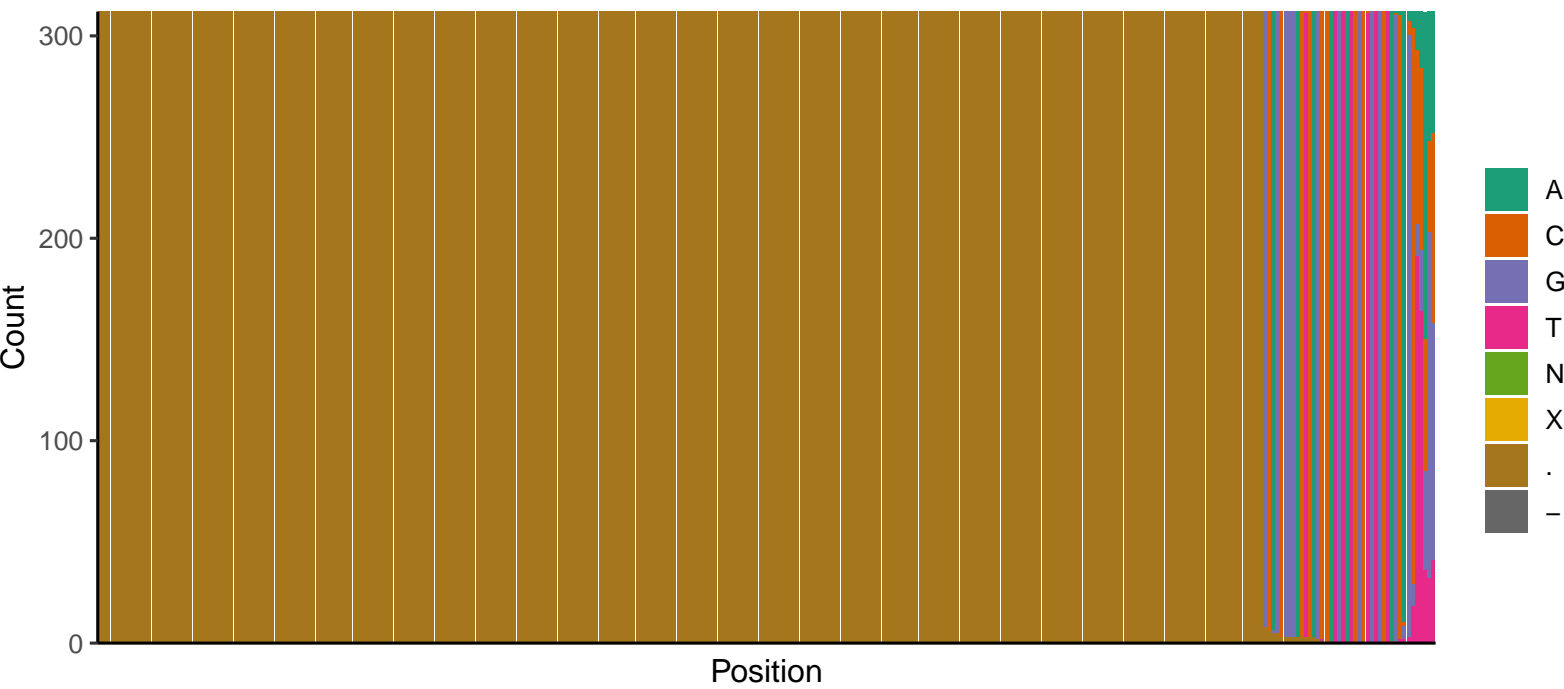
Gene TRBV7-1*ap01_G291C_T296C_C314T



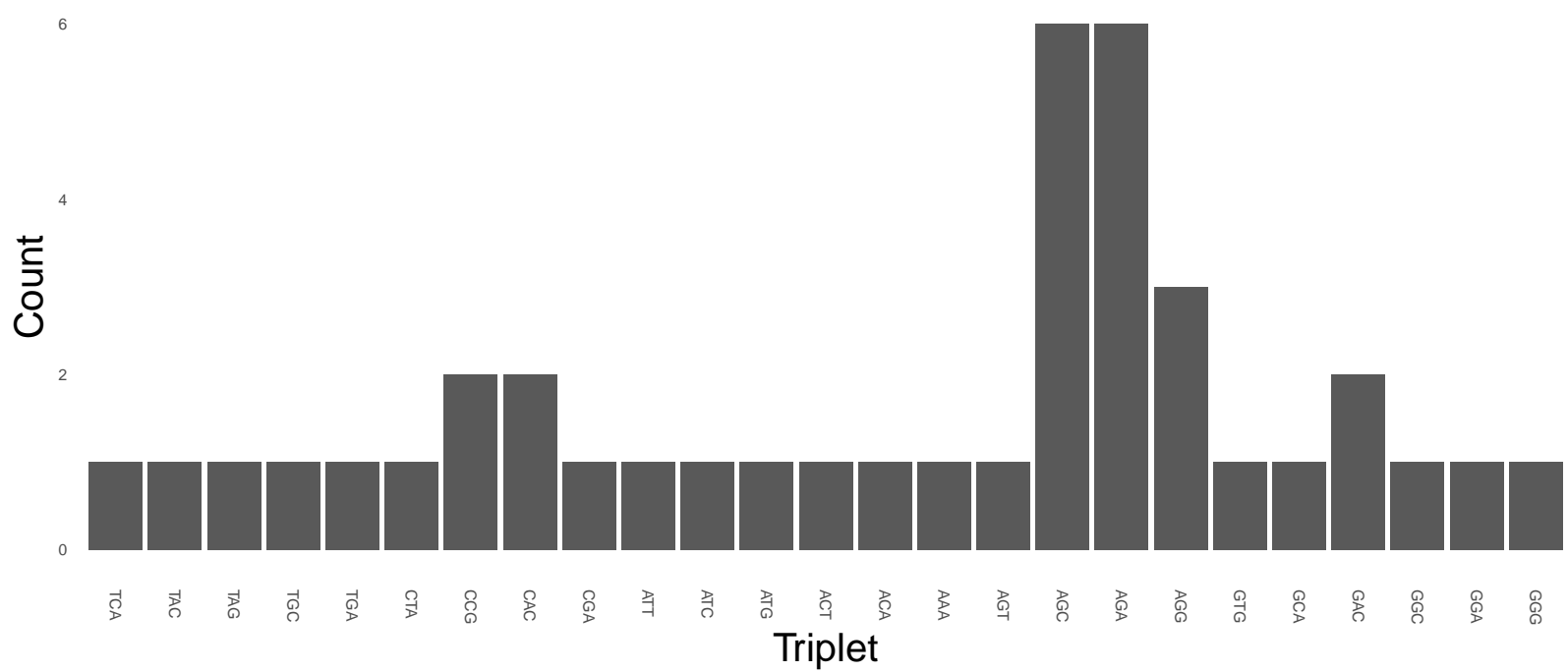
Gene TRBV7-1*ap01_G291C_T296C



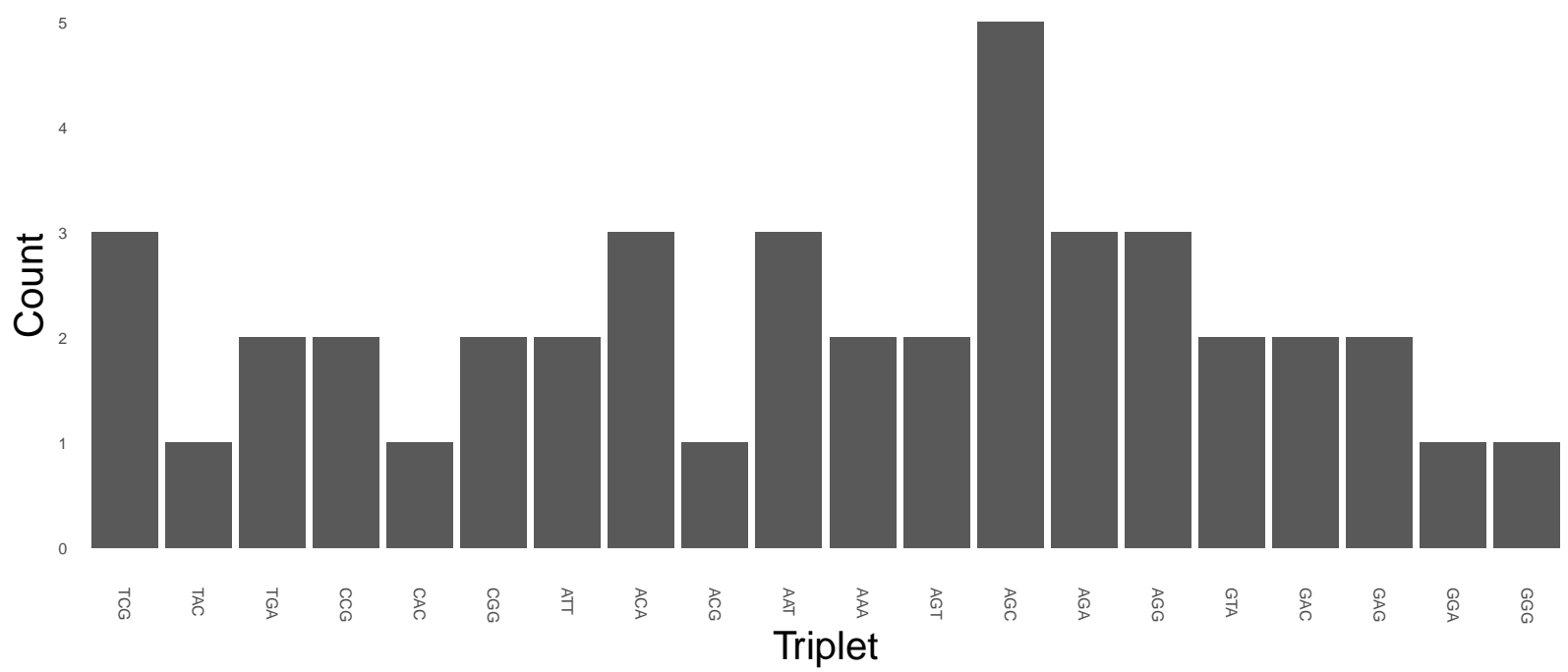
Gene TRBV7-7*ap01_C315T



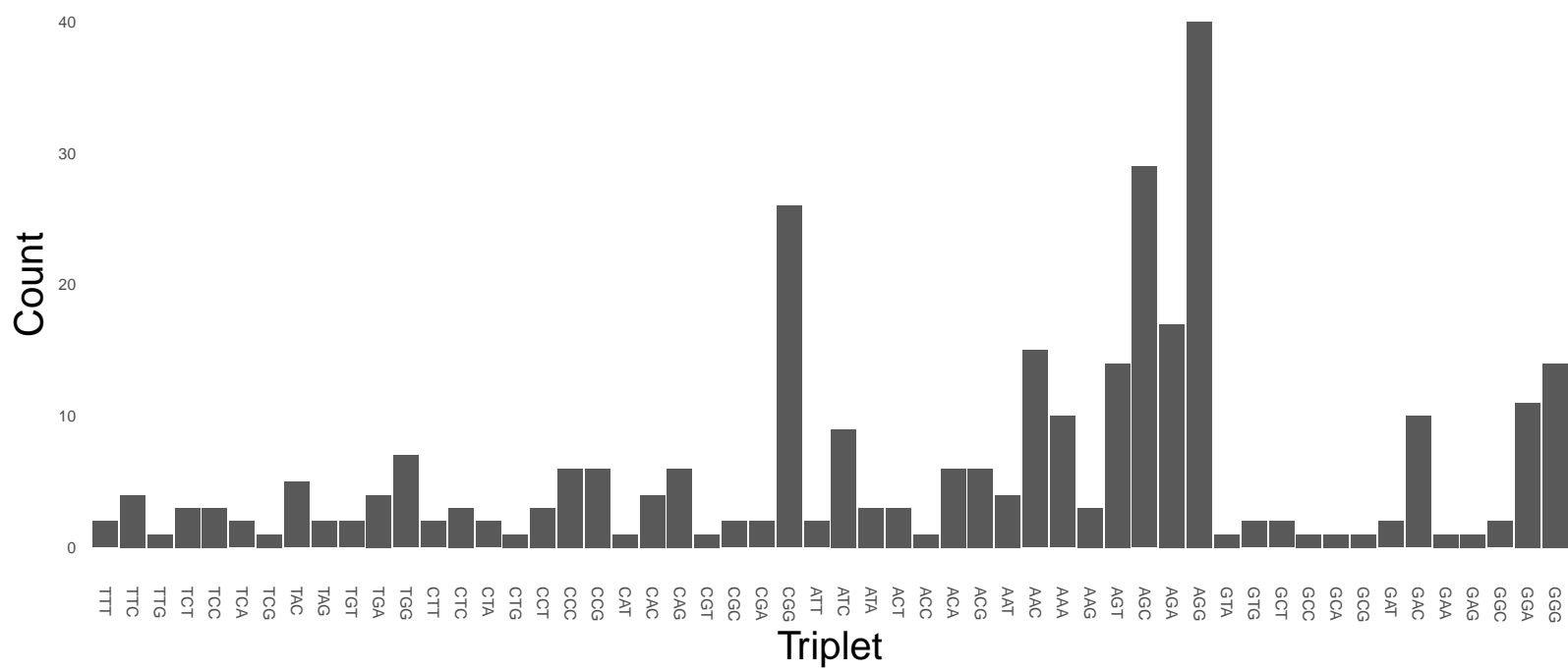
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

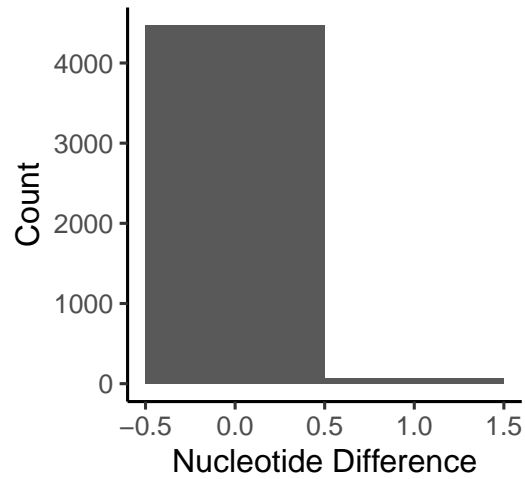


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



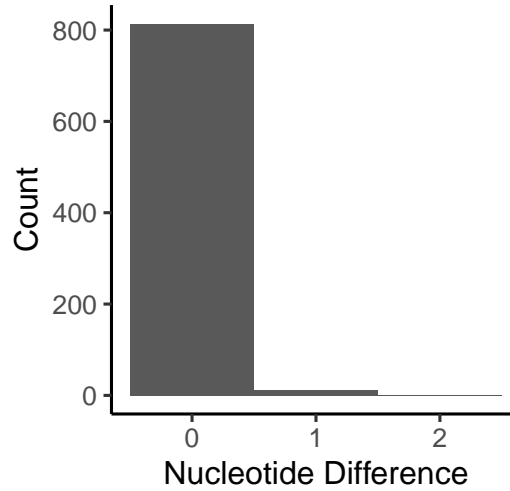
TRBV20-1*ap01

4535 sequences assigned
4469 (98.5%) exact matches, in which:
4385 unique CDR3
13 unique J



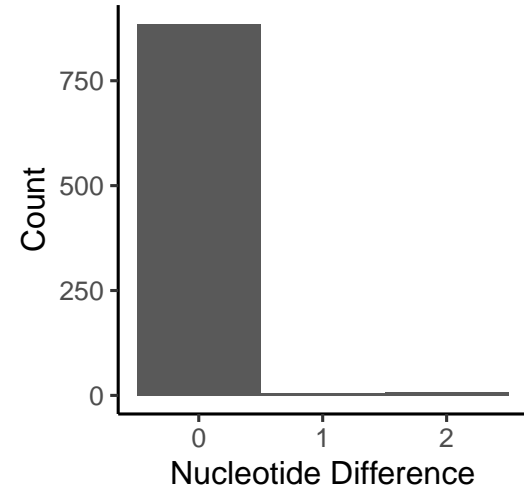
TRBV10-2*ap01

826 sequences assigned
814 (98.5%) exact matches, in which:
807 unique CDR3
13 unique J



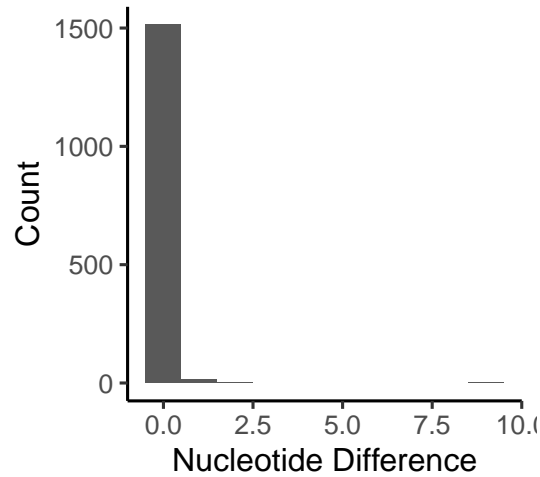
TRBV13*ap01

901 sequences assigned
886 (98.3%) exact matches, in which:
867 unique CDR3
13 unique J



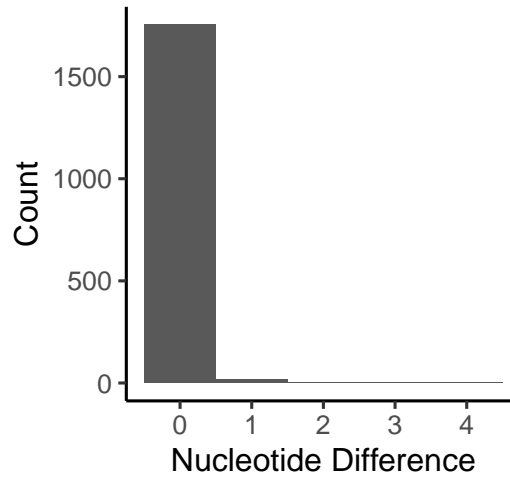
TRBV10-1*ap01

1533 sequences assigned
1514 (98.8%) exact matches, in which:
1495 unique CDR3
13 unique J



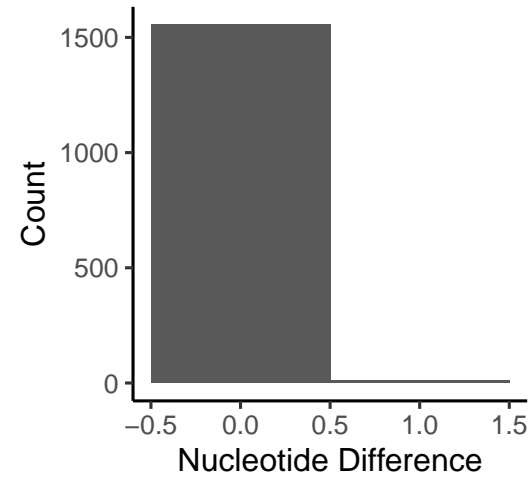
TRBV10-3*ap01

1774 sequences assigned
1754 (98.9%) exact matches, in which:
1719 unique CDR3
13 unique J



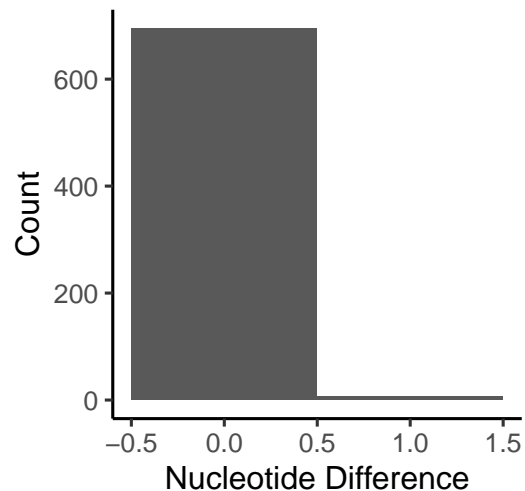
TRBV14*ap01

1568 sequences assigned
1555 (99.2%) exact matches, in which:
1524 unique CDR3
13 unique J



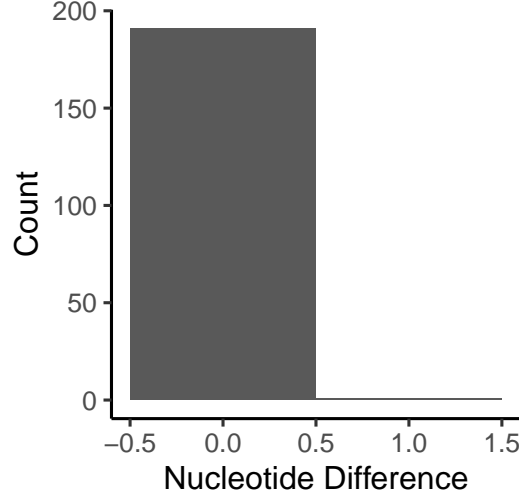
TRBV20-1*ap02

702 sequences assigned
695 (99%) exact matches, in which:
686 unique CDR3
13 unique J



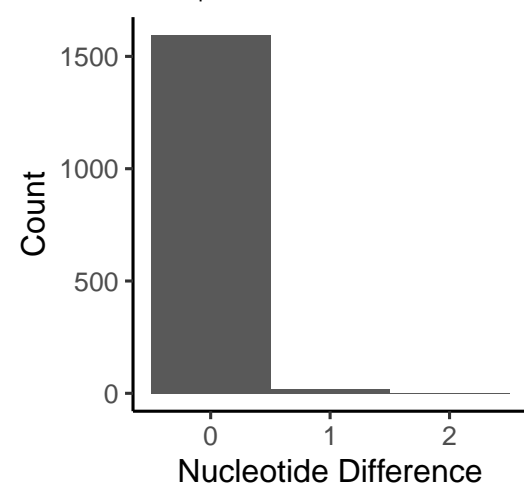
TRBV1*ap01

192 sequences assigned
191 (99.5%) exact matches, in which:
189 unique CDR3
13 unique J



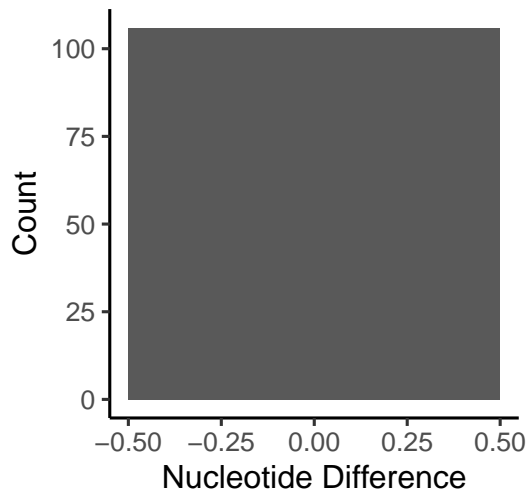
TRBV15*ap02

1615 sequences assigned
1595 (98.8%) exact matches, in which:
1560 unique CDR3
13 unique J



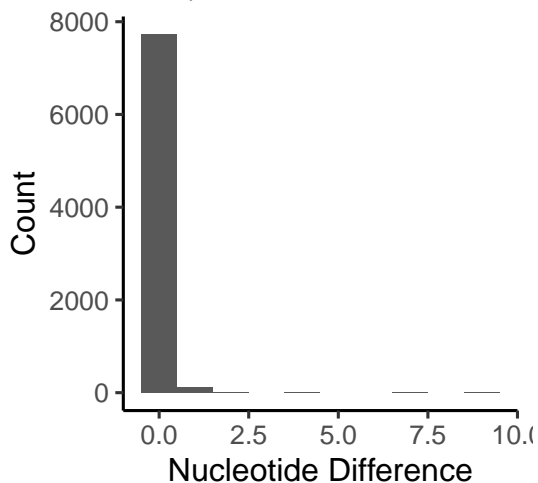
TRBV16*ap01

106 sequences assigned
106 (100%) exact matches, in which:
105 unique CDR3
12 unique J



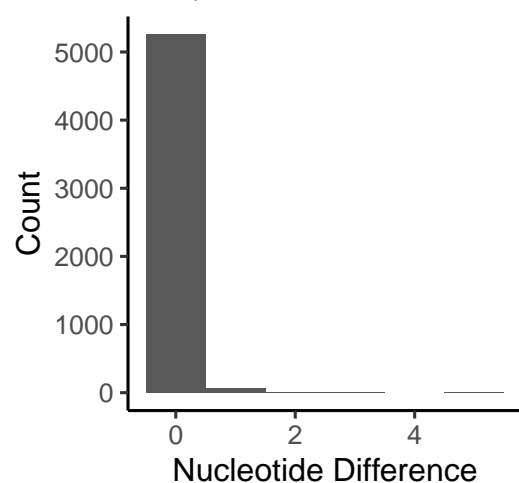
TRBV19*ap01

7856 sequences assigned
7726 (98.3%) exact matches, in which:
7605 unique CDR3
13 unique J



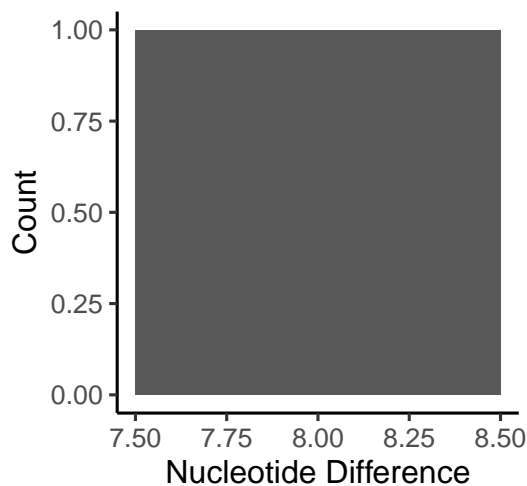
TRBV28*ap01

5330 sequences assigned
5258 (98.6%) exact matches, in which:
5158 unique CDR3
13 unique J



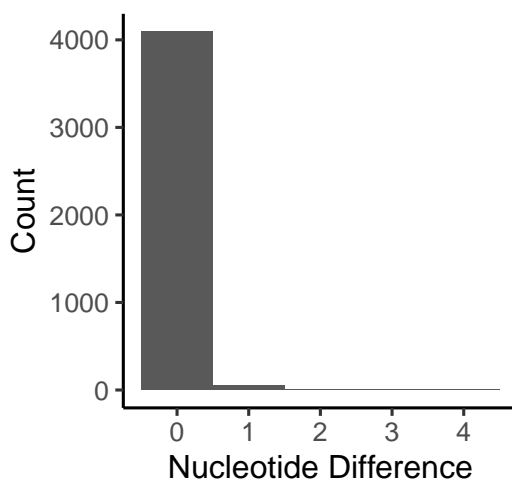
TRBV17*ap01

1 sequences assigned
No exact matches.



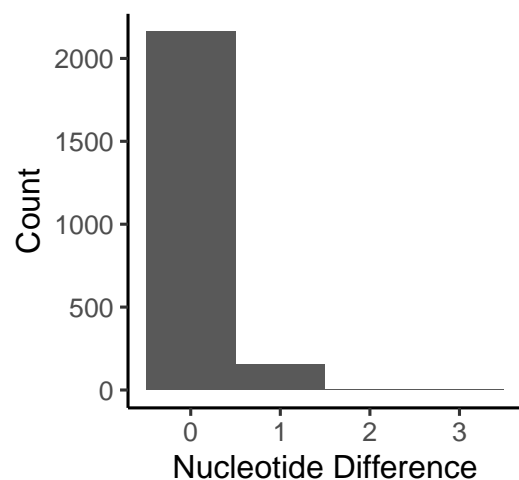
TRBV2*ap01

4149 sequences assigned
4093 (98.7%) exact matches, in which:
4045 unique CDR3
13 unique J



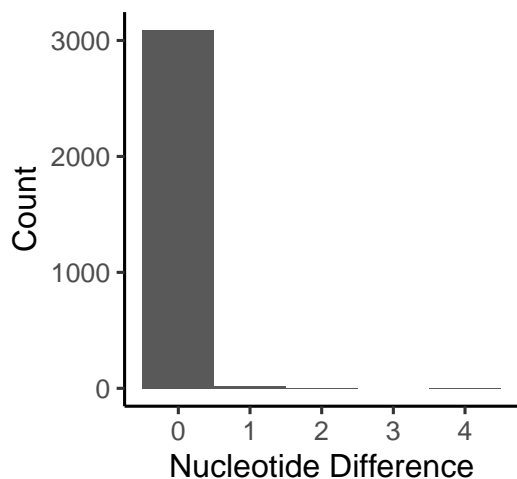
TRBV30*ap01

2321 sequences assigned
2161 (93.1%) exact matches, in which:
2148 unique CDR3
13 unique J



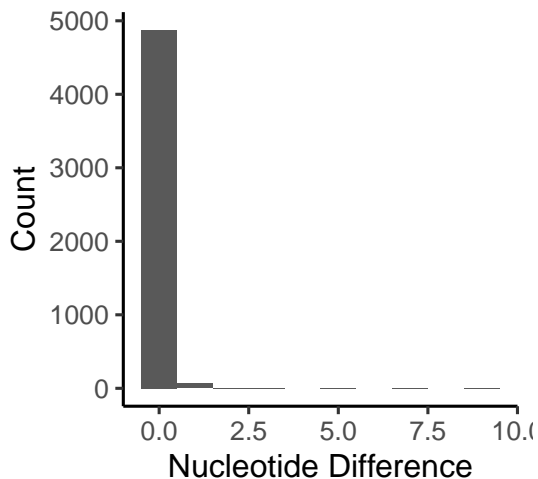
TRBV18*ap01

3111 sequences assigned
3090 (99.3%) exact matches, in which:
3034 unique CDR3
13 unique J



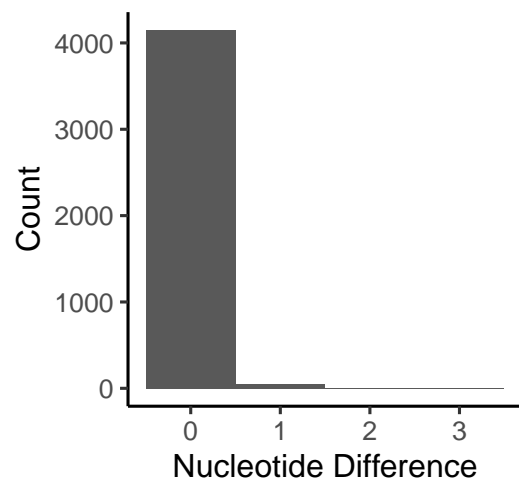
TRBV27*ap01

4949 sequences assigned
4874 (98.5%) exact matches, in which:
4754 unique CDR3
13 unique J



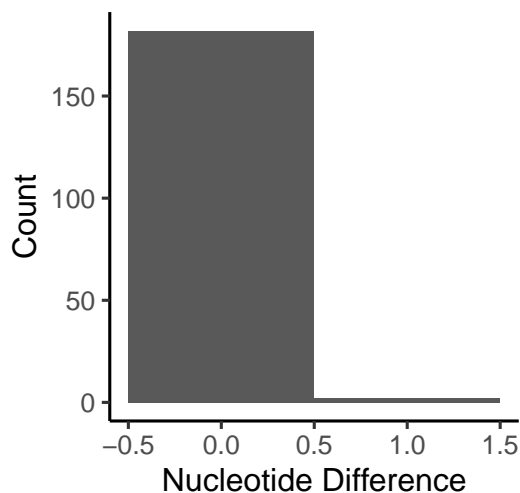
TRBV9*ap01

4199 sequences assigned
4149 (98.8%) exact matches, in which:
4054 unique CDR3
13 unique J



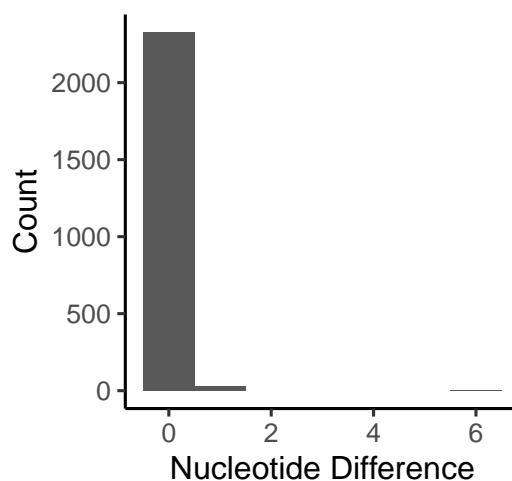
TRBV11–1*ap01

184 sequences assigned
182 (98.9%) exact matches, in which:
176 unique CDR3
13 unique J



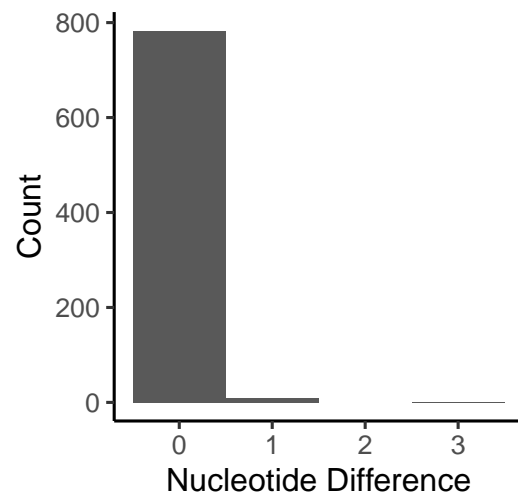
TRBV11–3*ap01

2359 sequences assigned
2326 (98.6%) exact matches, in which:
2276 unique CDR3
13 unique J



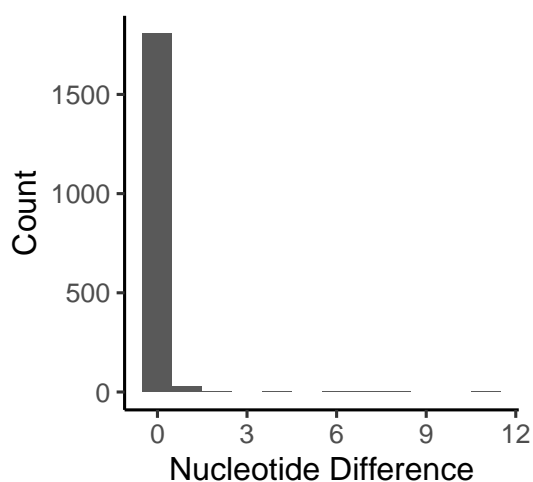
TRBV12–5*ap01

793 sequences assigned
783 (98.7%) exact matches, in which:
767 unique CDR3
13 unique J



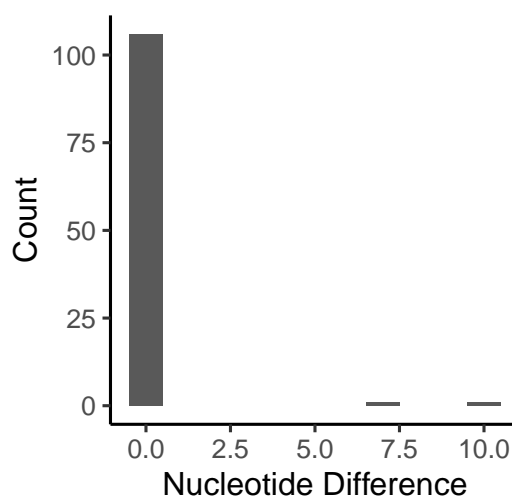
TRBV21–1*ap01

1840 sequences assigned
1806 (98.2%) exact matches, in which:
1762 unique CDR3
13 unique J



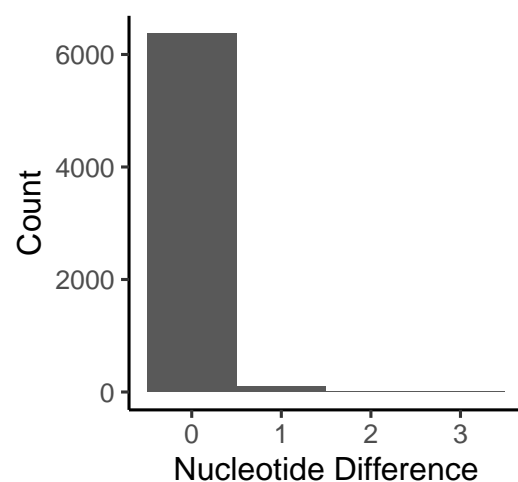
TRBV12–1*ap01

108 sequences assigned
106 (98.1%) exact matches, in which:
104 unique CDR3
13 unique J



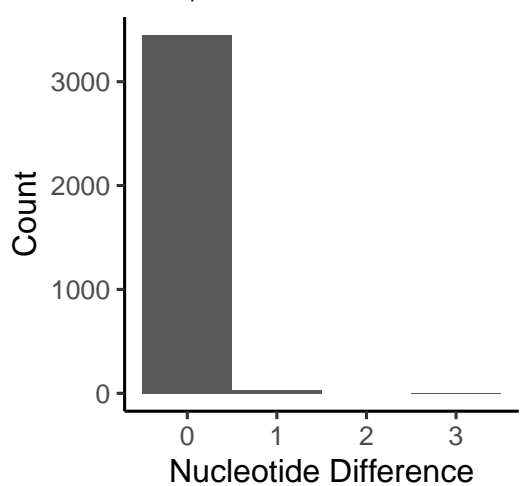
TRBV12–34*ap01

6461 sequences assigned
6369 (98.6%) exact matches, in which:
6247 unique CDR3
13 unique J



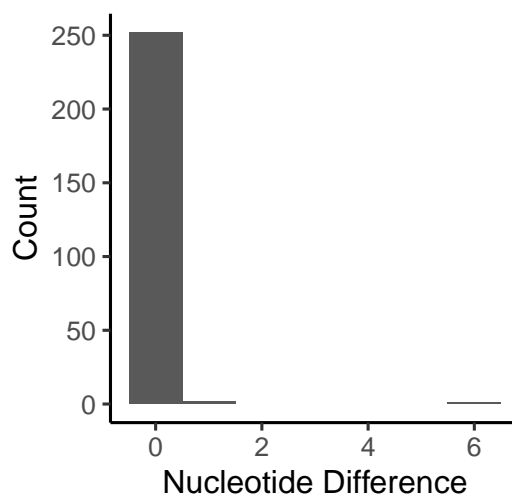
TRBV11–2*ap01

3484 sequences assigned
3449 (99%) exact matches, in which:
3394 unique CDR3
13 unique J



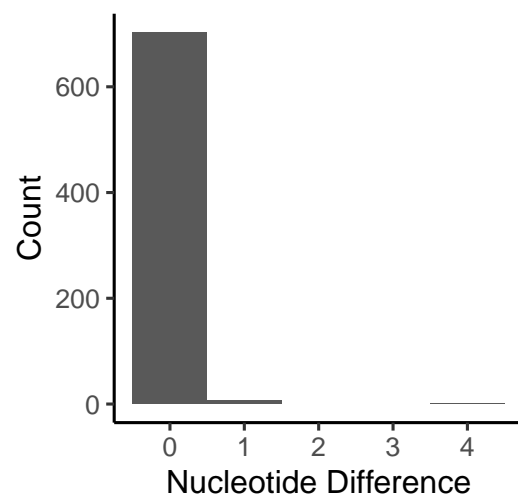
TRBV12–2*ap01

255 sequences assigned
252 (98.8%) exact matches, in which:
243 unique CDR3
13 unique J



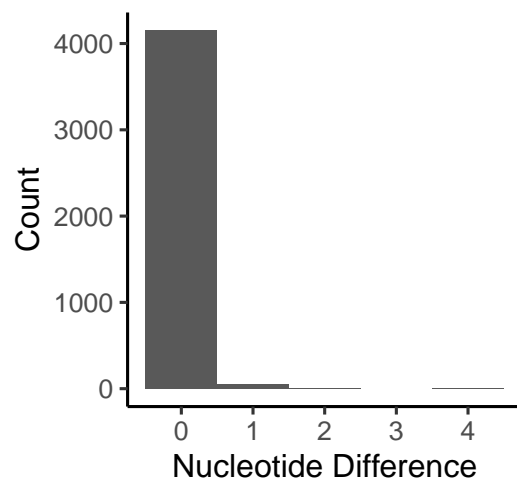
TRBV23–1*ap01

710 sequences assigned
703 (99%) exact matches, in which:
689 unique CDR3
13 unique J



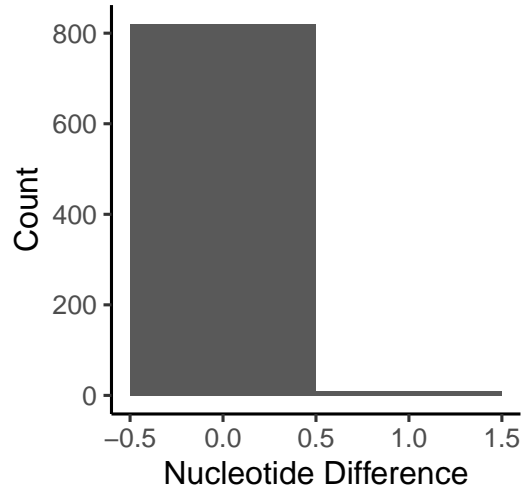
TRBV3-12*ap01

4208 sequences assigned
4152 (98.7%) exact matches, in which:
4092 unique CDR3
13 unique J



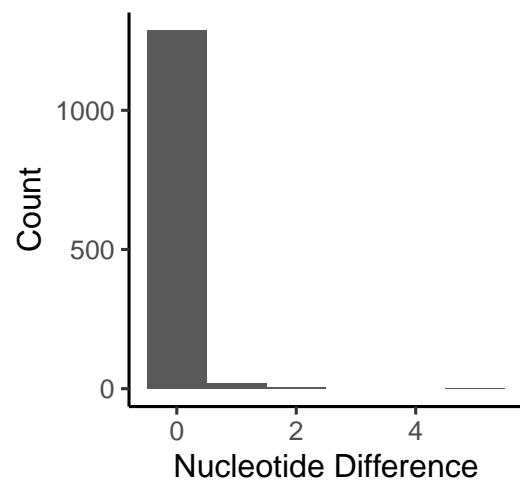
TRBV4-2*ap01

830 sequences assigned
821 (98.9%) exact matches, in which:
810 unique CDR3
13 unique J



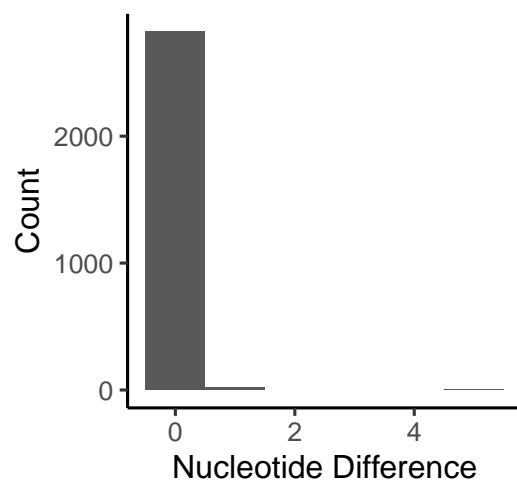
TRBV25-1*ap01

1311 sequences assigned
1287 (98.2%) exact matches, in which:
1271 unique CDR3
13 unique J



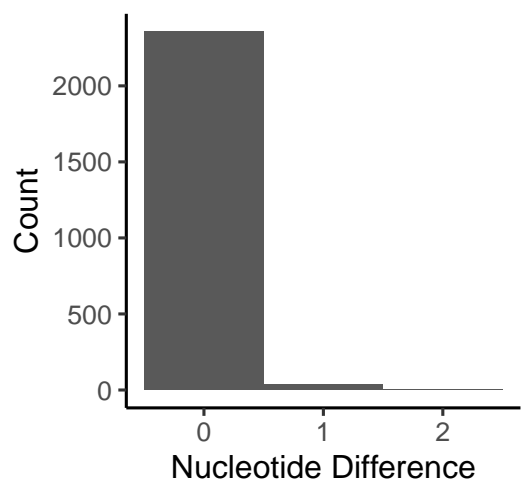
TRBV4-1*ap01

2845 sequences assigned
2823 (99.2%) exact matches, in which:
2789 unique CDR3
13 unique J



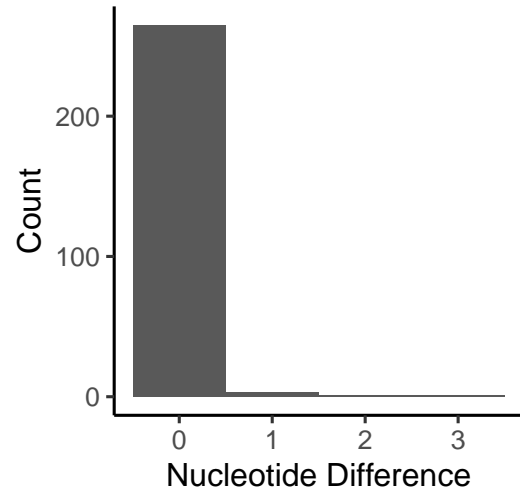
TRBV4-3*ap01

2396 sequences assigned
2356 (98.3%) exact matches, in which:
2328 unique CDR3
13 unique J



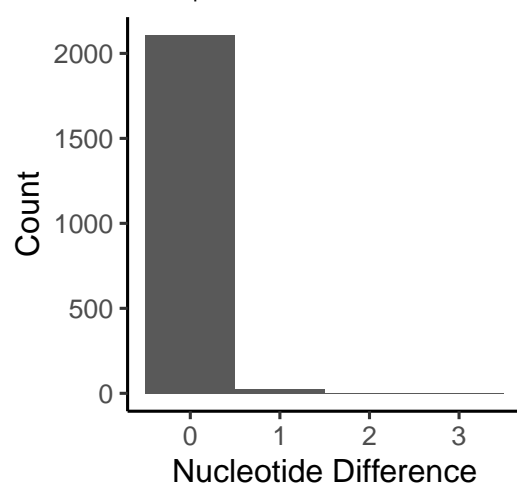
TRBV5-3*ap01

270 sequences assigned
265 (98.1%) exact matches, in which:
257 unique CDR3
13 unique J



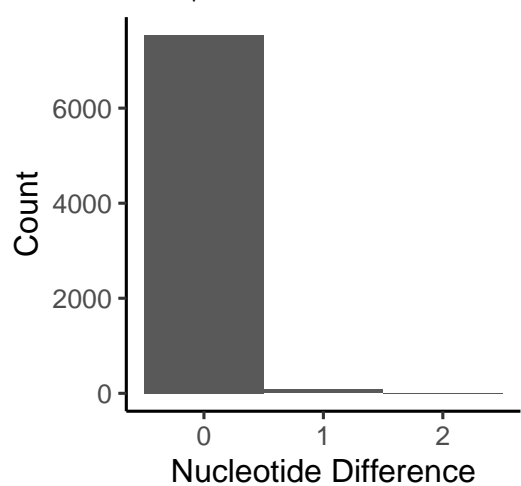
TRBV24-1*ap01

2137 sequences assigned
2108 (98.6%) exact matches, in which:
2083 unique CDR3
13 unique J



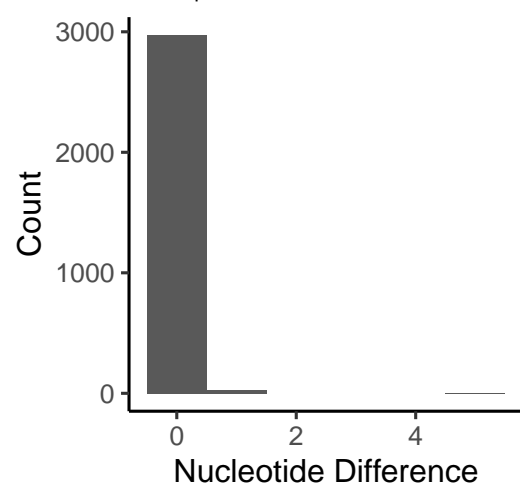
TRBV5-1*ap01

7627 sequences assigned
7538 (98.8%) exact matches, in which:
7373 unique CDR3
13 unique J



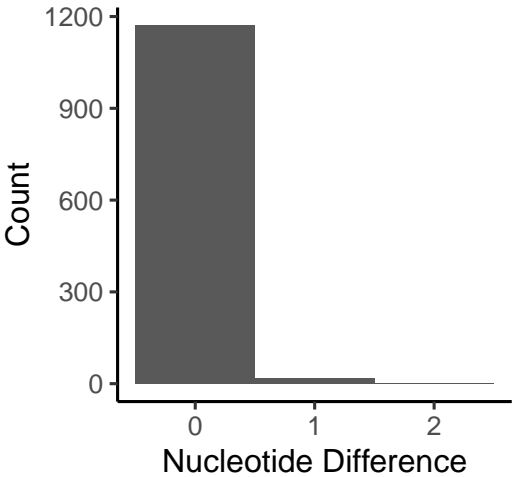
TRBV5-4*ap01

3002 sequences assigned
2973 (99%) exact matches, in which:
2925 unique CDR3
13 unique J



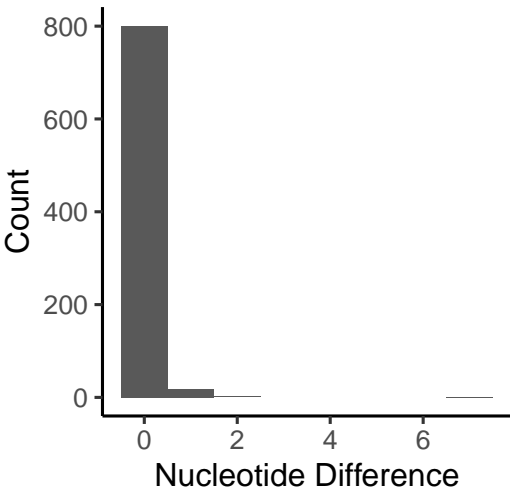
TRBV5-5*ap01

1189 sequences assigned
1171 (98.5%) exact matches, in which:
1151 unique CDR3
13 unique J



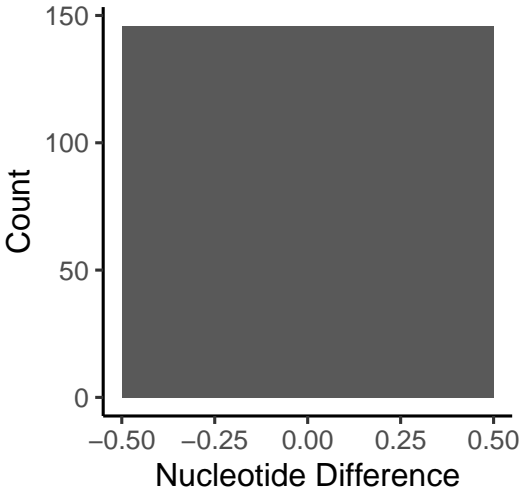
TRBV5-8*ap01

822 sequences assigned
801 (97.4%) exact matches, in which:
787 unique CDR3
13 unique J



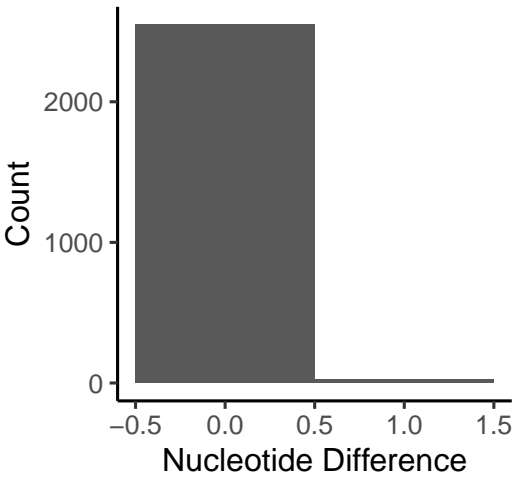
TRBV6-7*ap01

146 sequences assigned
146 (100%) exact matches, in which:
144 unique CDR3
13 unique J



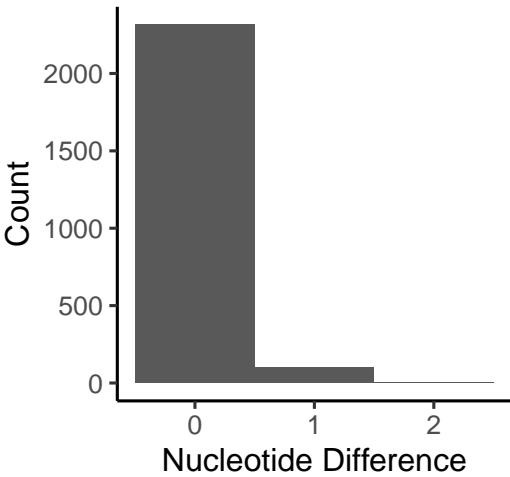
TRBV5-6*ap01

2574 sequences assigned
2548 (99%) exact matches, in which:
2511 unique CDR3
13 unique J



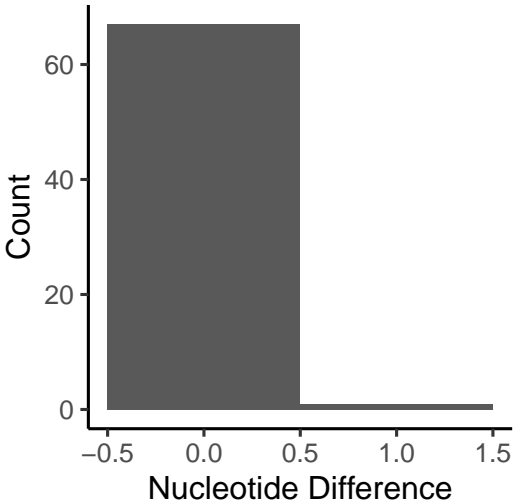
TRBV6-1*ap01

2419 sequences assigned
2315 (95.7%) exact matches, in which:
2290 unique CDR3
13 unique J



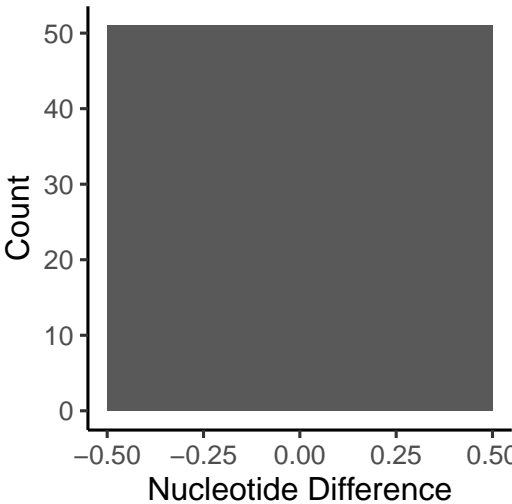
TRBV6-8*ap01

68 sequences assigned
67 (98.5%) exact matches, in which:
67 unique CDR3
12 unique J



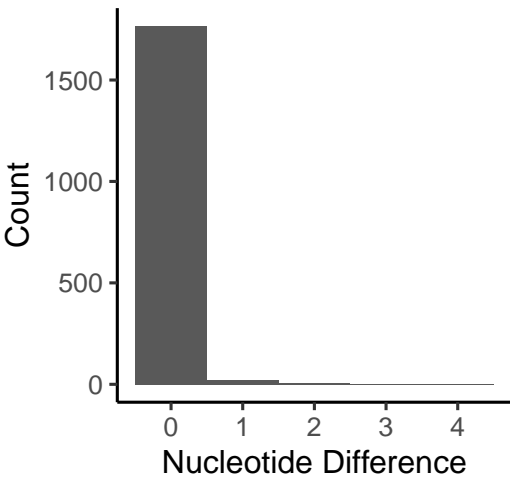
TRBV5-7*ap01

51 sequences assigned
51 (100%) exact matches, in which:
50 unique CDR3
13 unique J



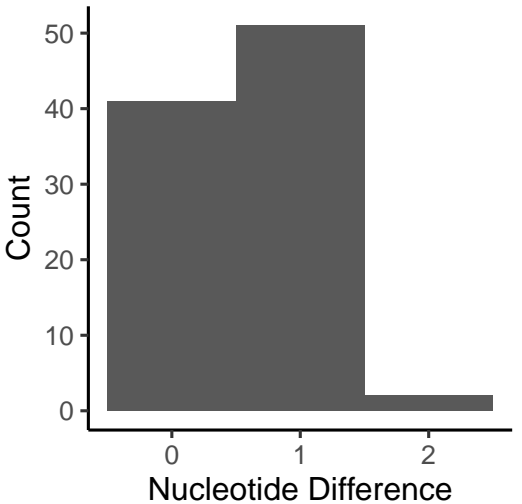
TRBV6-4*ap01

1795 sequences assigned
1766 (98.4%) exact matches, in which:
1735 unique CDR3
13 unique J



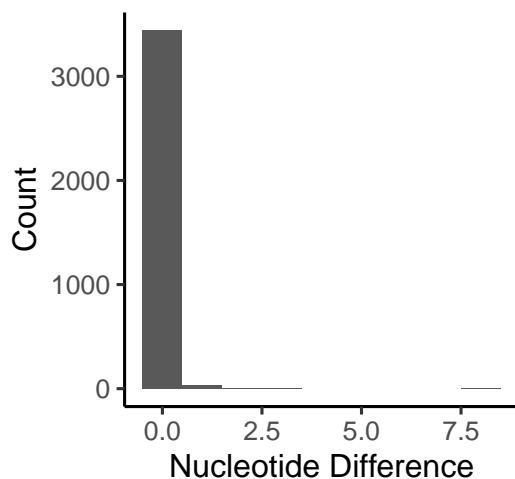
TRBV6-9*ap01

94 sequences assigned
41 (43.6%) exact matches, in which:
41 unique CDR3
12 unique J



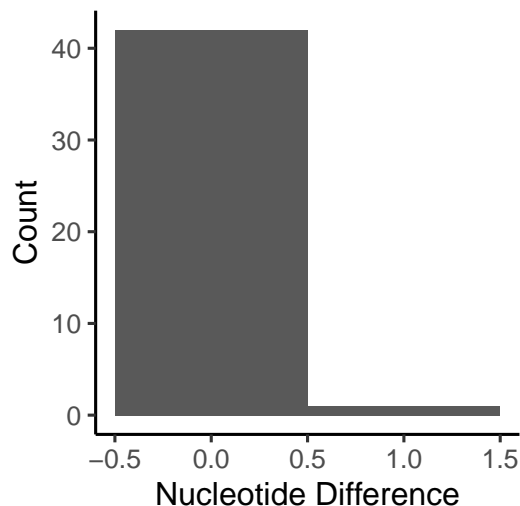
TRBV6-23*ap01

3483 sequences assigned
3441 (98.8%) exact matches, in which:
3403 unique CDR3
13 unique J



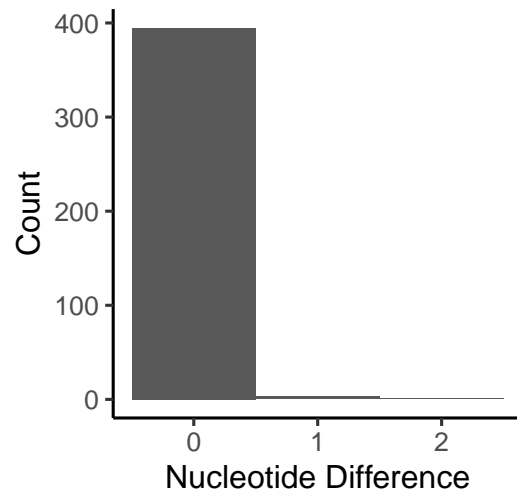
TRBV7-1*ap01_G291C_T

43 sequences assigned
42 (97.7%) exact matches, in which:
41 unique CDR3
13 unique J



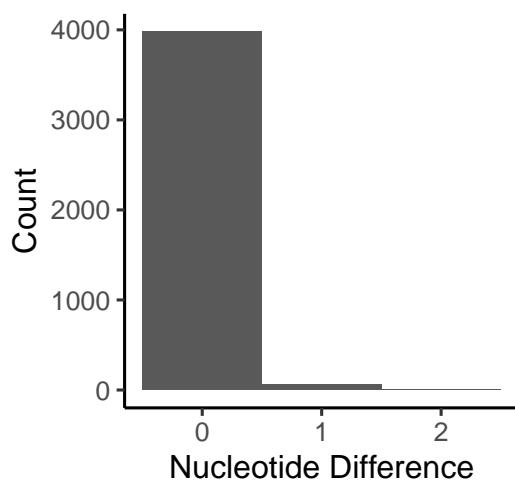
TRBV7-3*ap02

399 sequences assigned
395 (99%) exact matches, in which:
385 unique CDR3
13 unique J



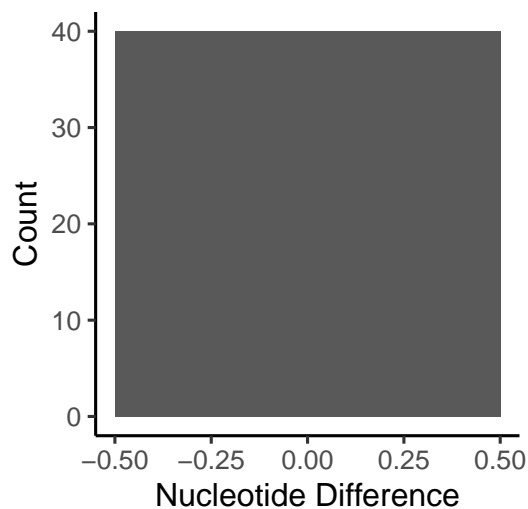
TRBV6-56*ap01

4037 sequences assigned
3979 (98.6%) exact matches, in which:
3922 unique CDR3
13 unique J



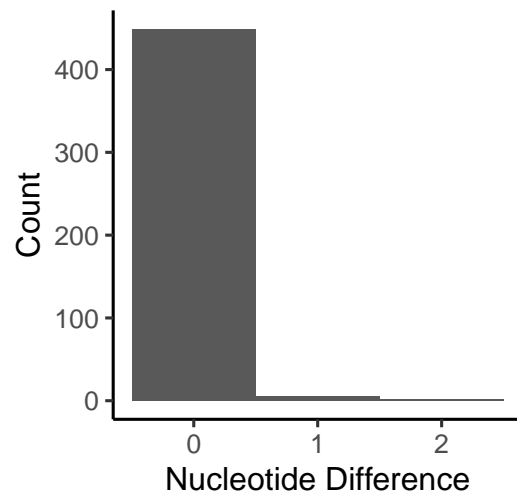
TRBV7-1*ap01_G291C_T

40 sequences assigned
40 (100%) exact matches, in which:
39 unique CDR3
9 unique J



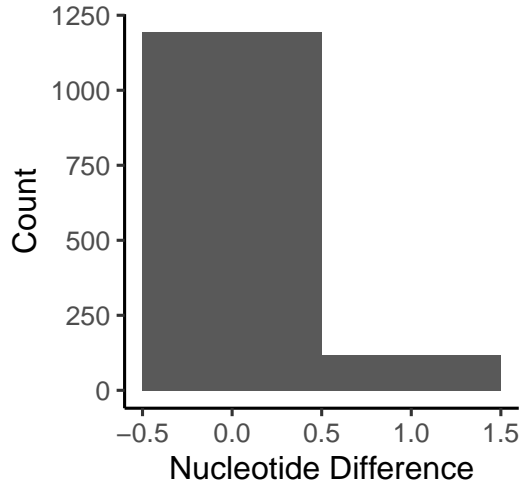
TRBV7-3*ap03

456 sequences assigned
449 (98.5%) exact matches, in which:
439 unique CDR3
13 unique J



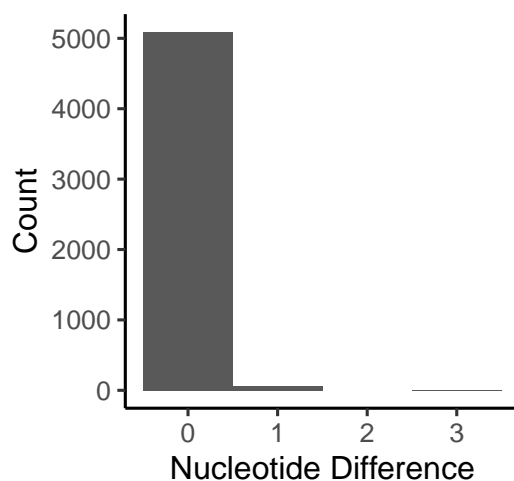
TRBV6-56*ap02

1312 sequences assigned
1194 (91%) exact matches, in which:
1185 unique CDR3
13 unique J



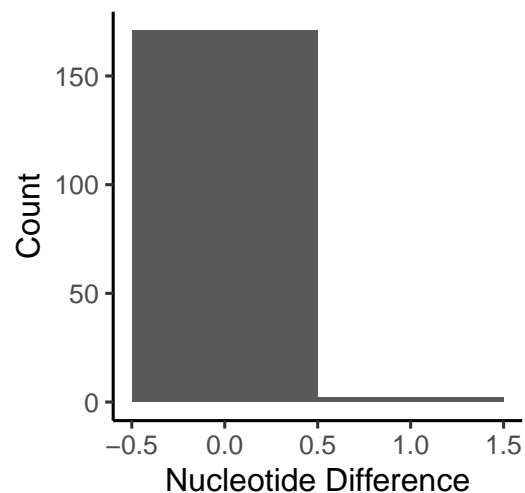
TRBV7-2*ap01

5148 sequences assigned
5089 (98.9%) exact matches, in which:
5000 unique CDR3
13 unique J



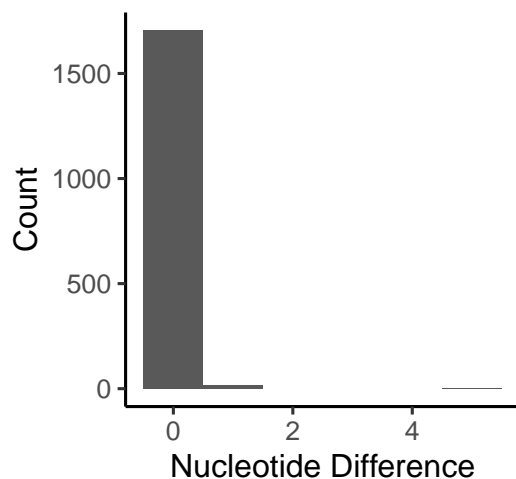
TRBV7-4*ap01

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



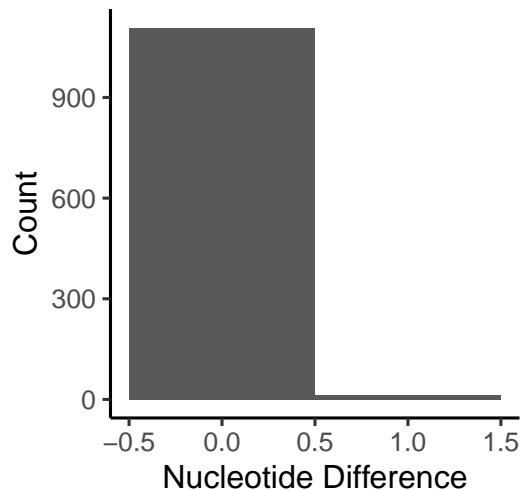
TRBV7-6*ap01

1725 sequences assigned
1705 (98.8%) exact matches, in which:
1679 unique CDR3
13 unique J



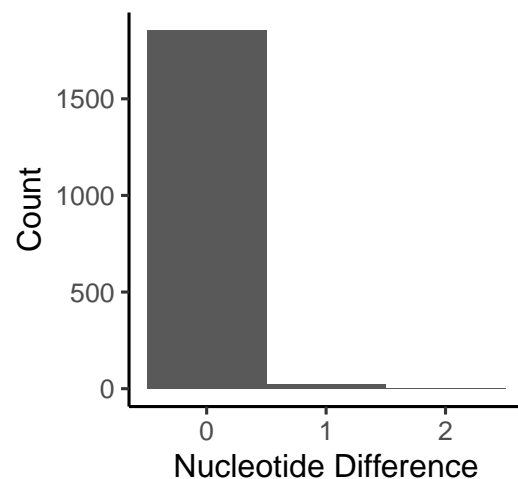
TRBV7-8*ap01

1120 sequences assigned
1108 (98.9%) exact matches, in which:
1087 unique CDR3
13 unique J



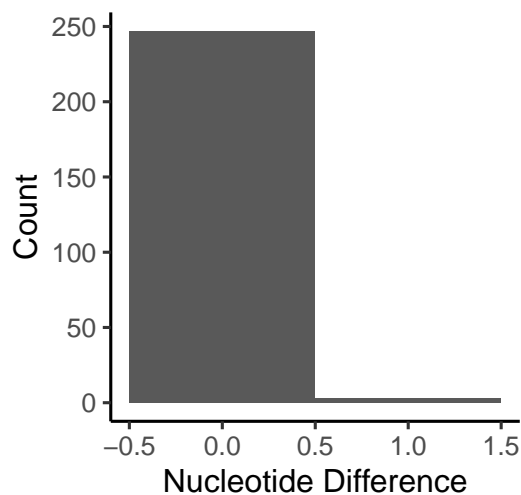
TRBV29-1*ap01

1876 sequences assigned
1854 (98.8%) exact matches, in which:
1831 unique CDR3
13 unique J



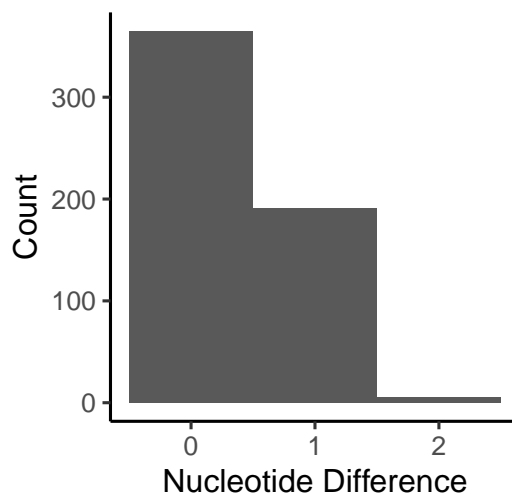
TRBV7-7*ap01

250 sequences assigned
247 (98.8%) exact matches, in which:
240 unique CDR3
13 unique J



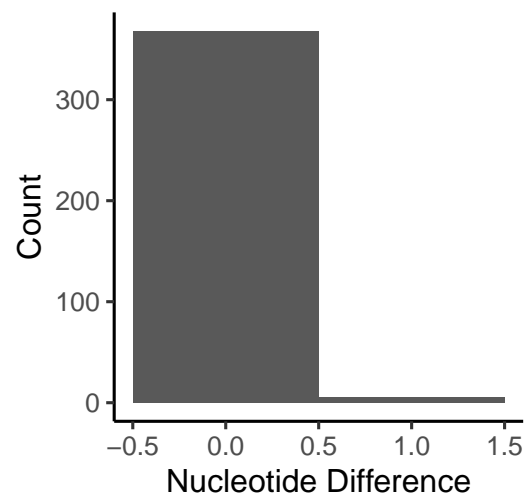
TRBV7-8*ap03

561 sequences assigned
365 (65.1%) exact matches, in which:
360 unique CDR3
13 unique J



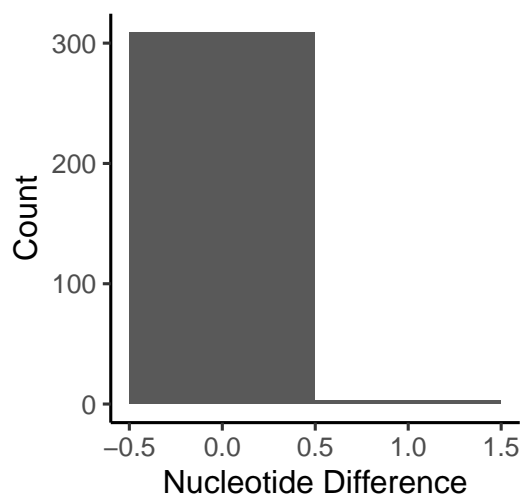
TRBV29-1*ap02

373 sequences assigned
368 (98.7%) exact matches, in which:
361 unique CDR3
13 unique J



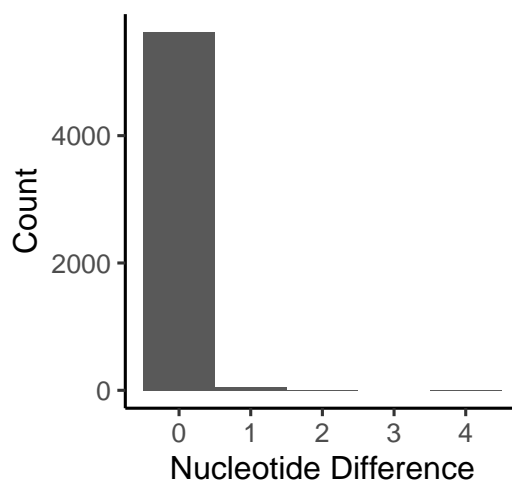
TRBV7-7*ap01_C315T

312 sequences assigned
309 (99%) exact matches, in which:
304 unique CDR3
13 unique J

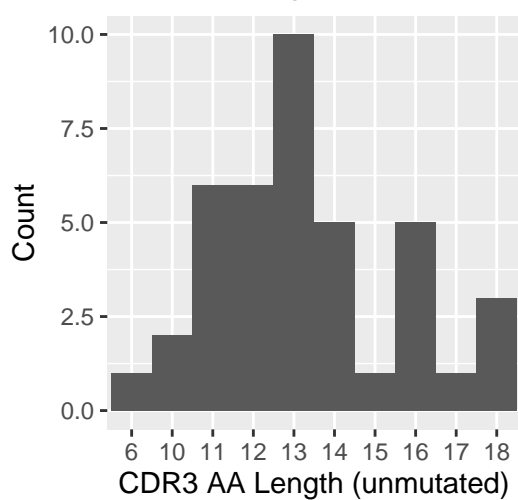


TRBV7-9*ap01

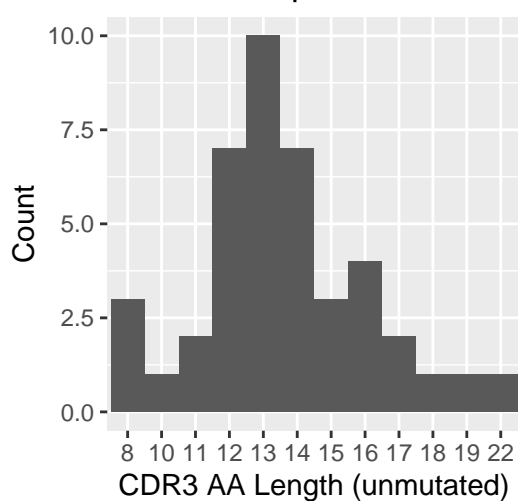
5682 sequences assigned
5627 (99%) exact matches, in which:
5524 unique CDR3
13 unique J



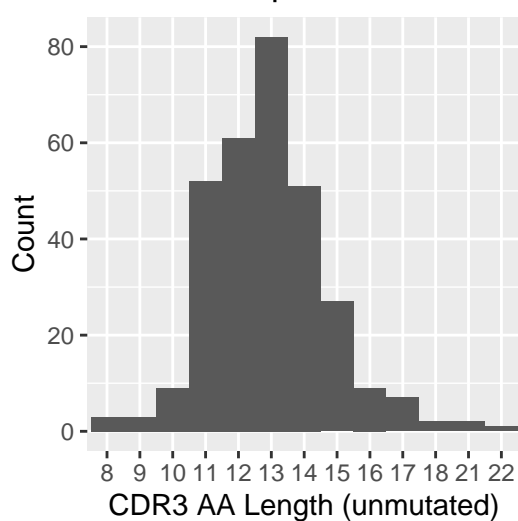
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]