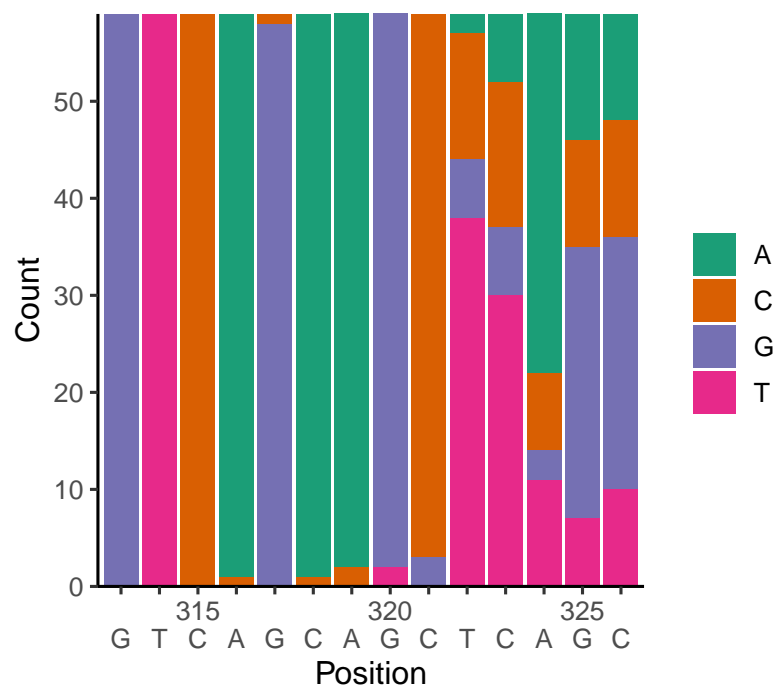
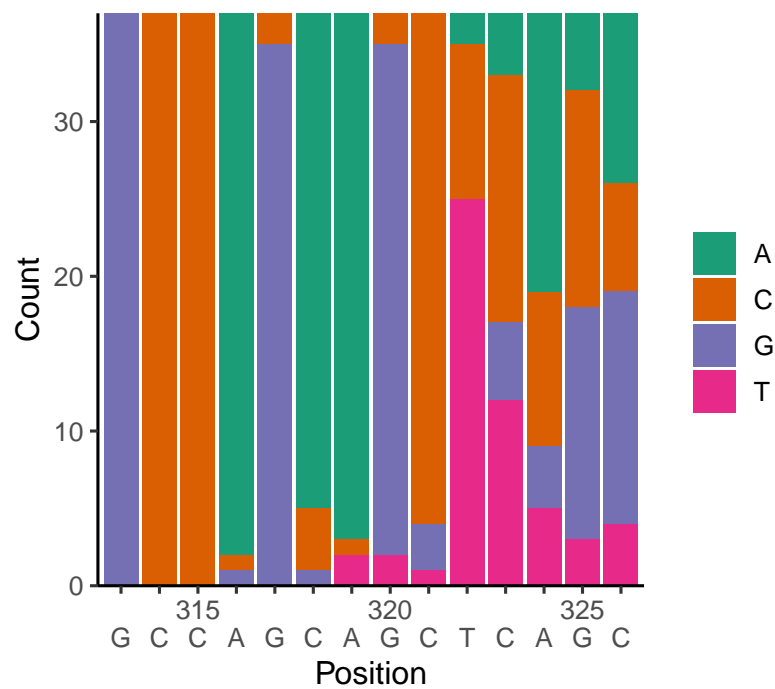


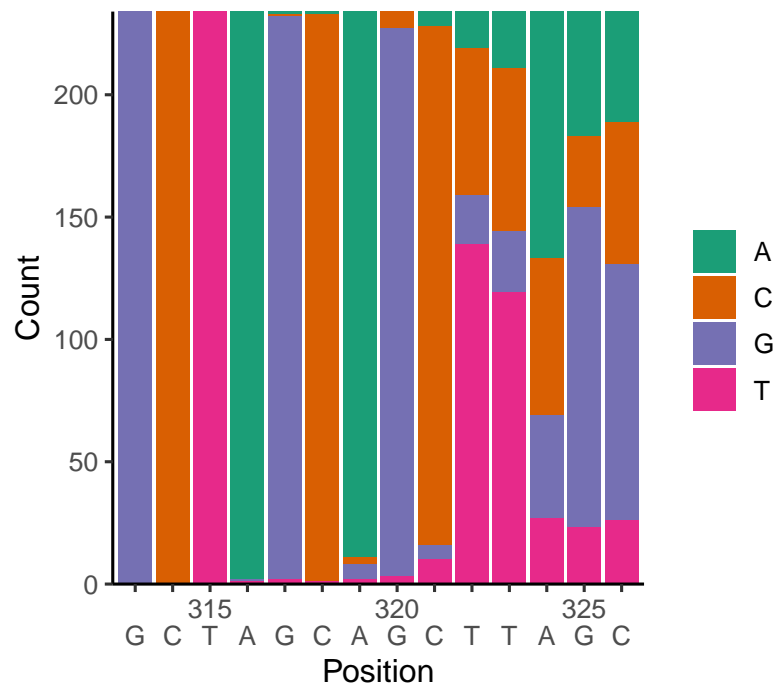
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



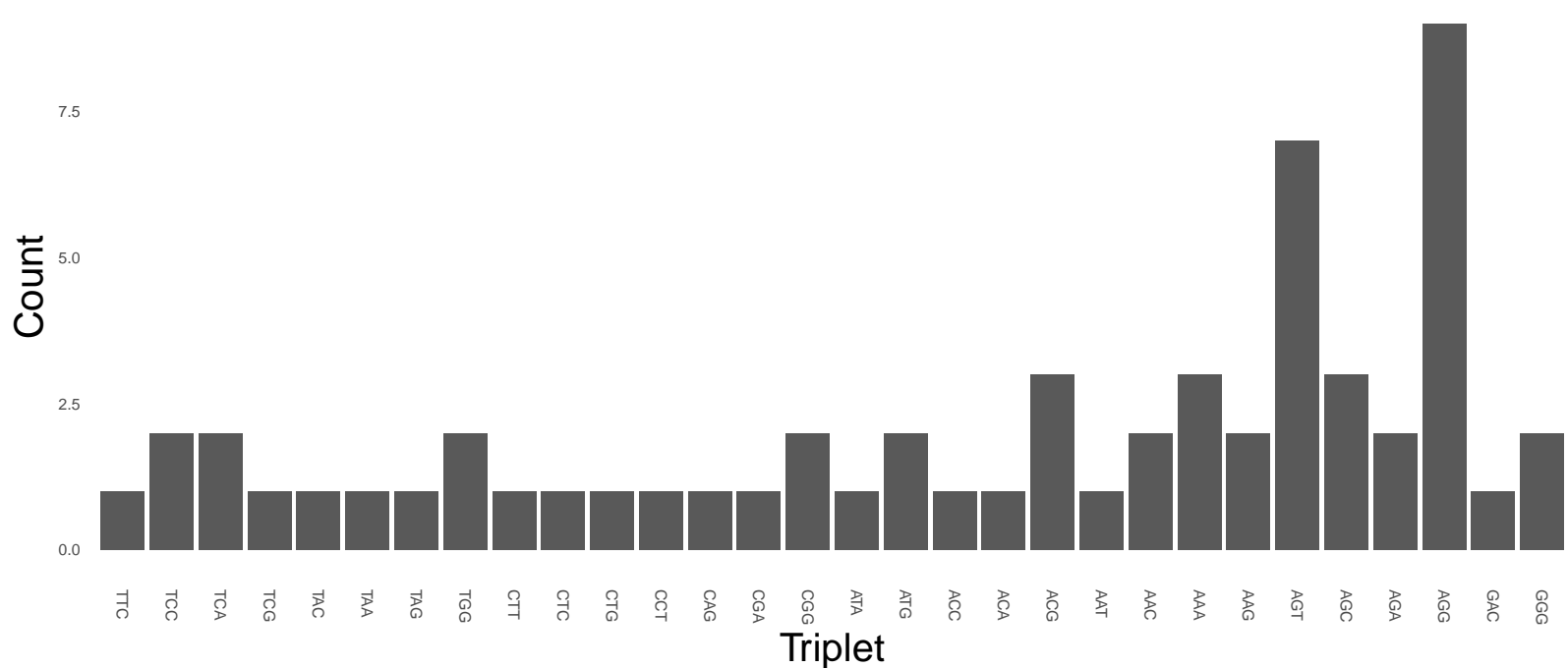
Gene TRBV7-1*ap01_G291C_T296C



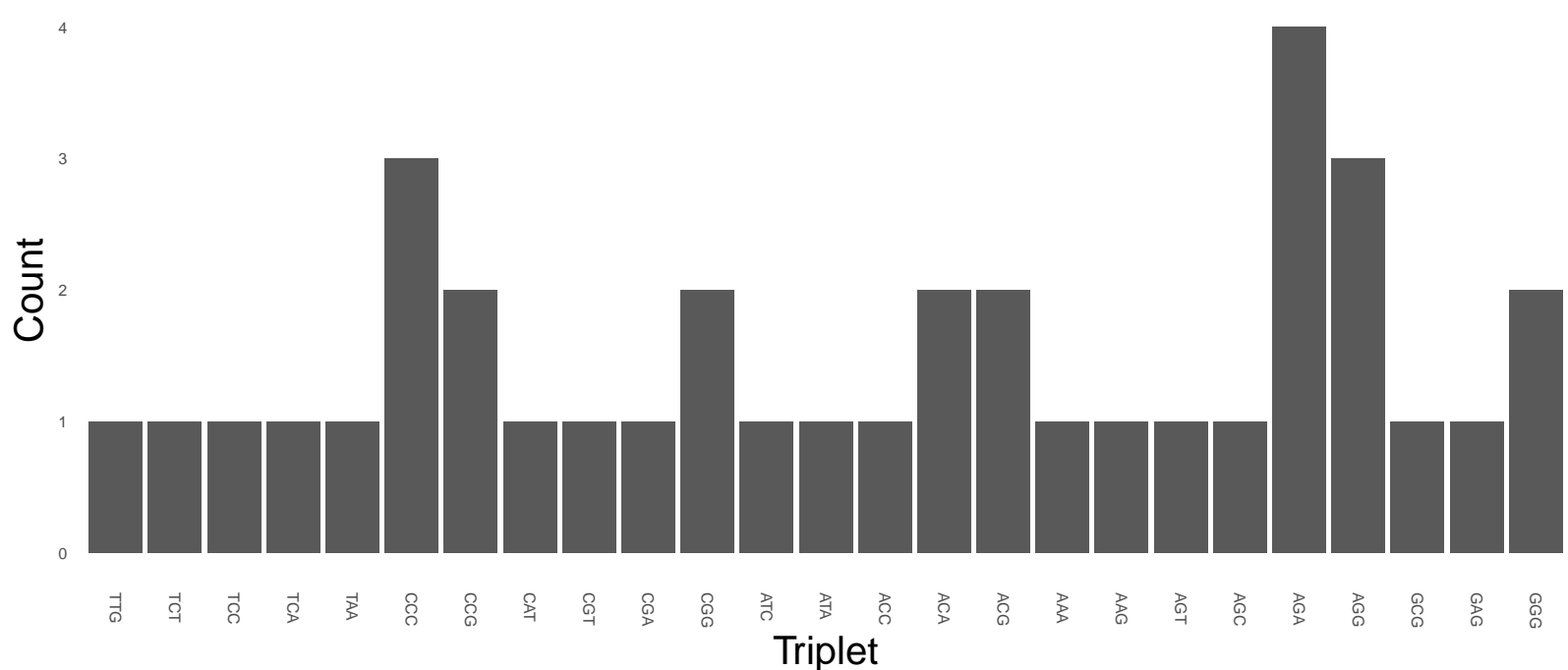
Gene TRBV7-7*ap01_C315T



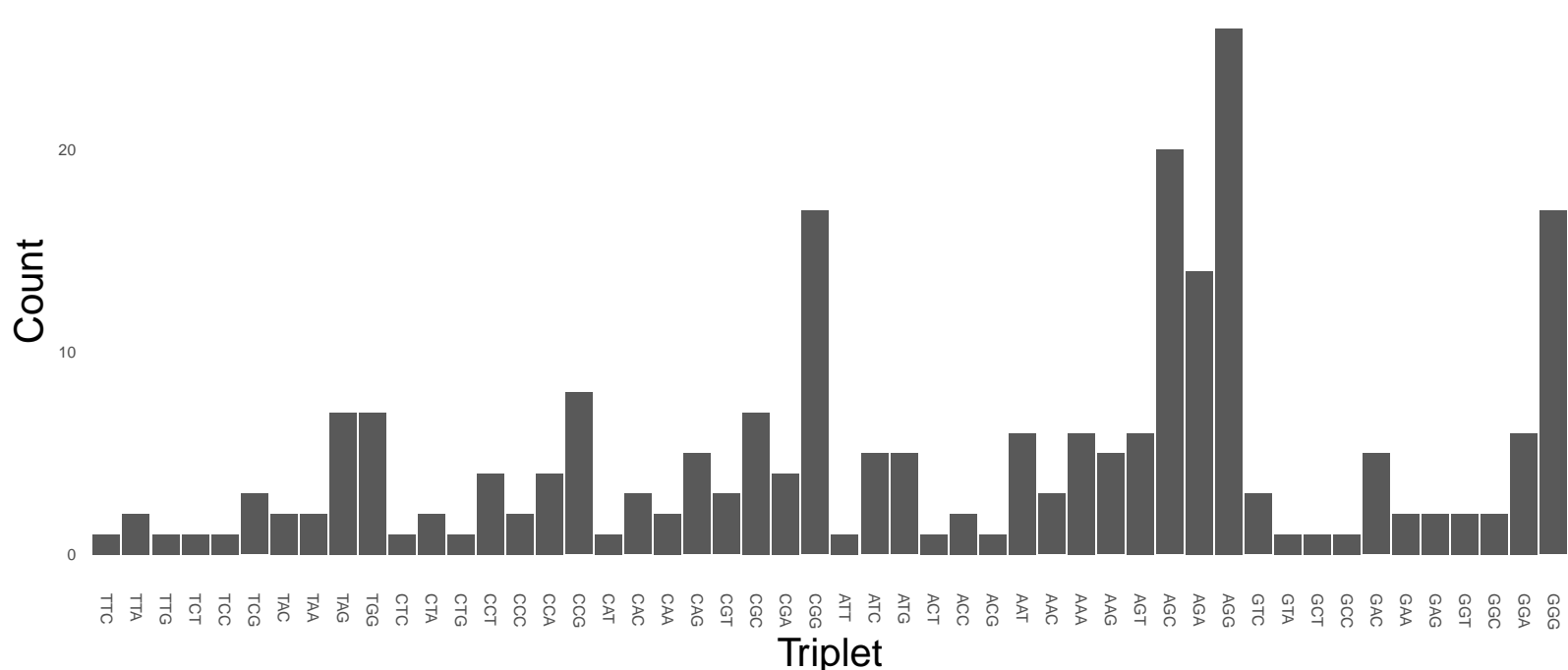
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

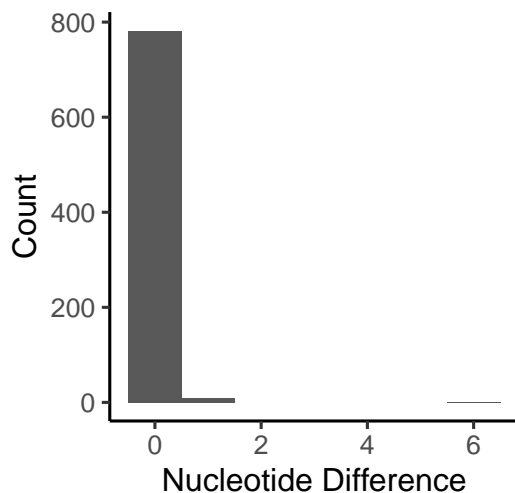


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



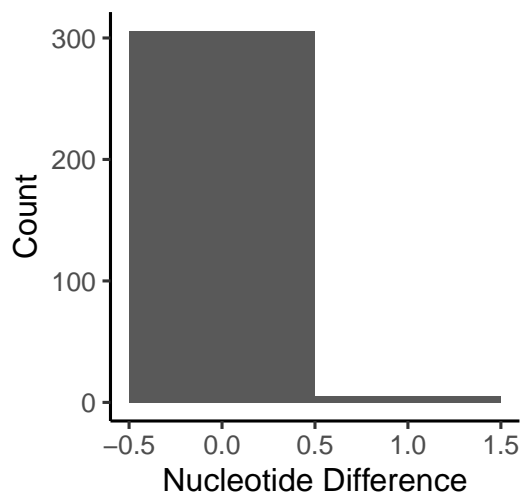
TRBV10–1*ap01

792 sequences assigned
782 (98.7%) exact matches, in which:
765 unique CDR3
13 unique J



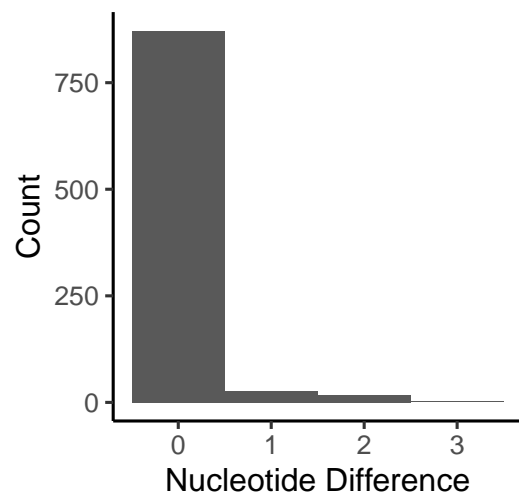
TRBV10–2*ap01

311 sequences assigned
306 (98.4%) exact matches, in which:
297 unique CDR3
13 unique J



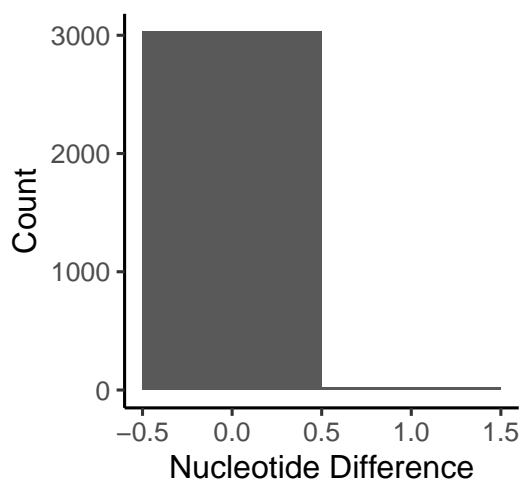
TRBV13*ap01

918 sequences assigned
872 (95%) exact matches, in which:
851 unique CDR3
13 unique J



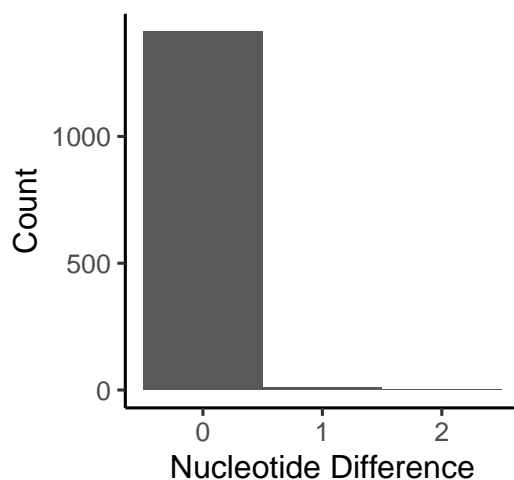
TRBV20–1*ap01

3049 sequences assigned
3030 (99.4%) exact matches, in which:
2996 unique CDR3
13 unique J



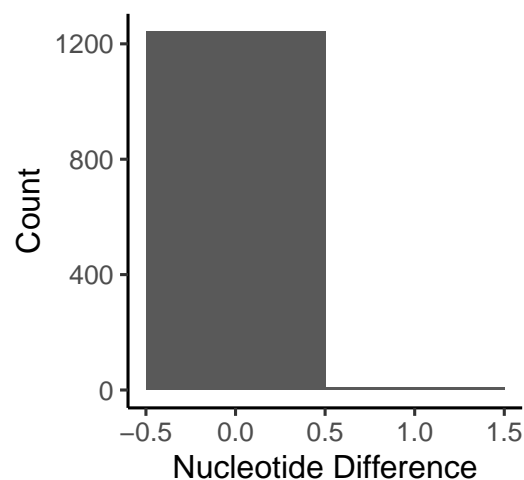
TRBV10–3*ap01

1424 sequences assigned
1413 (99.2%) exact matches, in which:
1389 unique CDR3
13 unique J



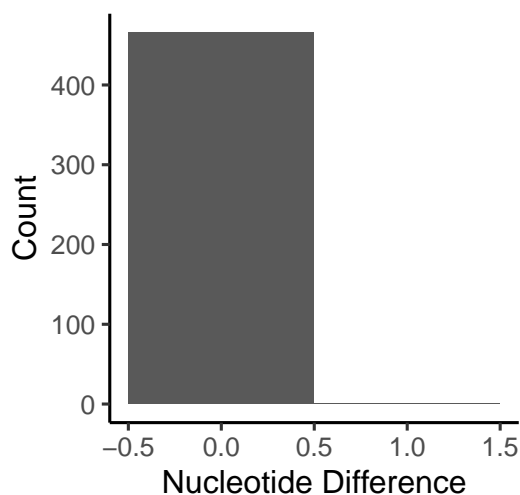
TRBV14*ap01

1249 sequences assigned
1242 (99.4%) exact matches, in which:
1224 unique CDR3
13 unique J



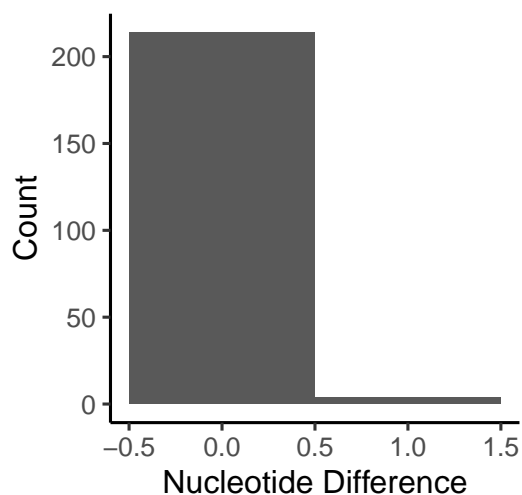
TRBV20–1*ap02

467 sequences assigned
466 (99.8%) exact matches, in which:
461 unique CDR3
13 unique J



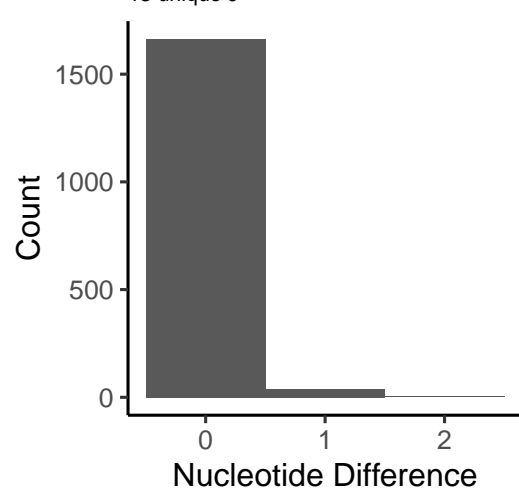
TRBV1*ap01

218 sequences assigned
214 (98.2%) exact matches, in which:
212 unique CDR3
13 unique J



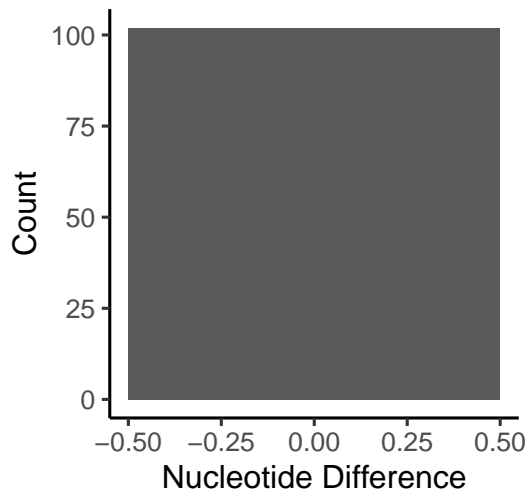
TRBV15*ap02

1704 sequences assigned
1663 (97.6%) exact matches, in which:
1629 unique CDR3
13 unique J



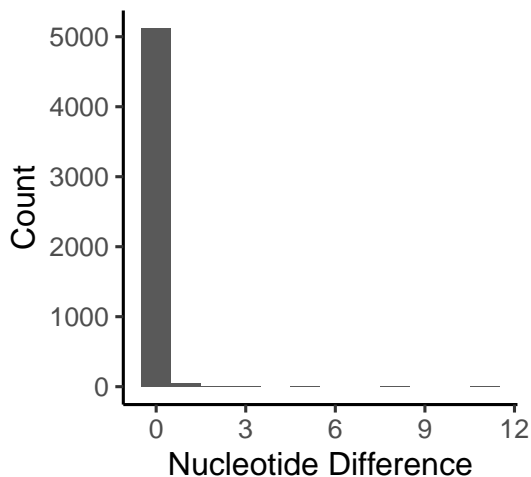
TRBV16*ap01

102 sequences assigned
102 (100%) exact matches, in which:
102 unique CDR3
10 unique J



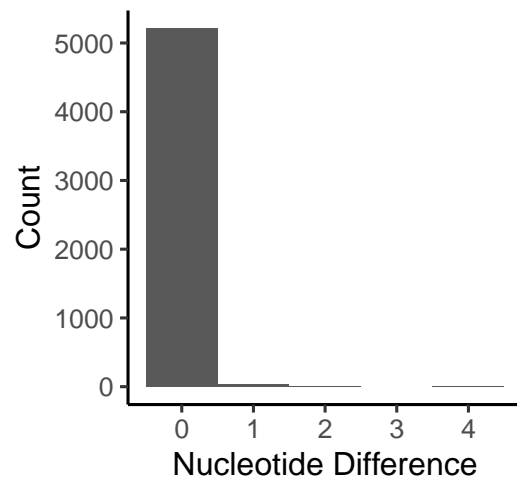
TRBV19*ap01

5176 sequences assigned
5119 (98.9%) exact matches, in which:
5084 unique CDR3
13 unique J



TRBV28*ap01

5245 sequences assigned
5212 (99.4%) exact matches, in which:
5141 unique CDR3
13 unique J



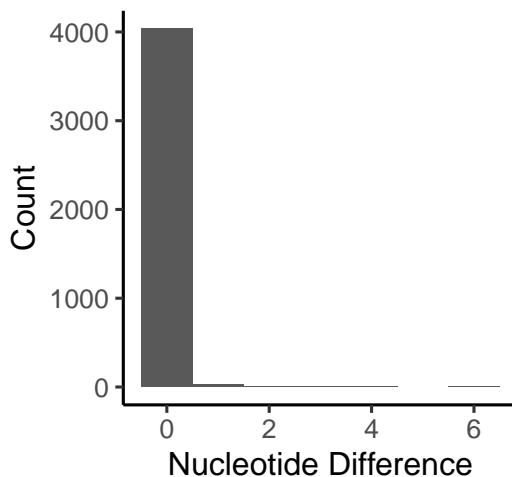
TRBV17*ap01

1 sequences assigned
No exact matches.



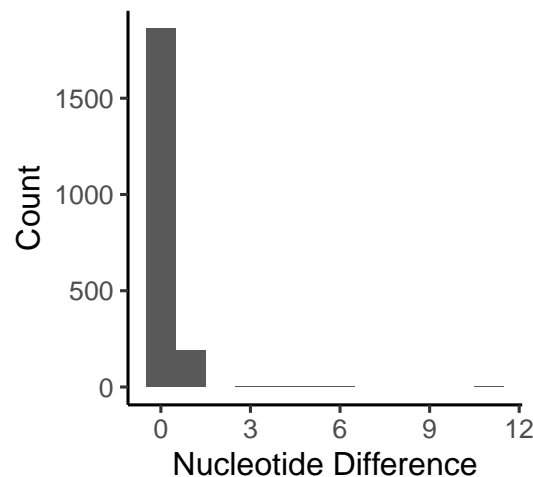
TRBV2*ap01

4069 sequences assigned
4036 (99.2%) exact matches, in which:
3966 unique CDR3
13 unique J



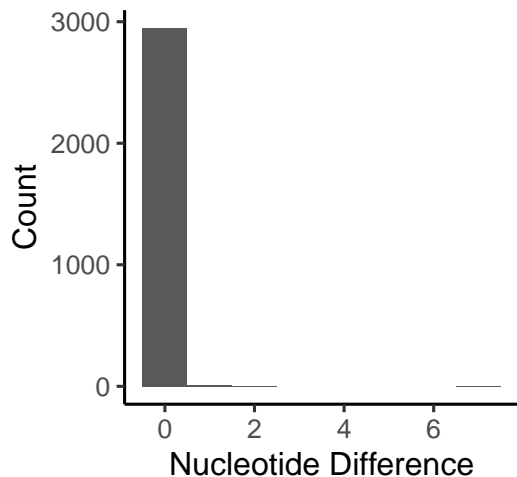
TRBV30*ap01

2058 sequences assigned
1861 (90.4%) exact matches, in which:
1824 unique CDR3
13 unique J



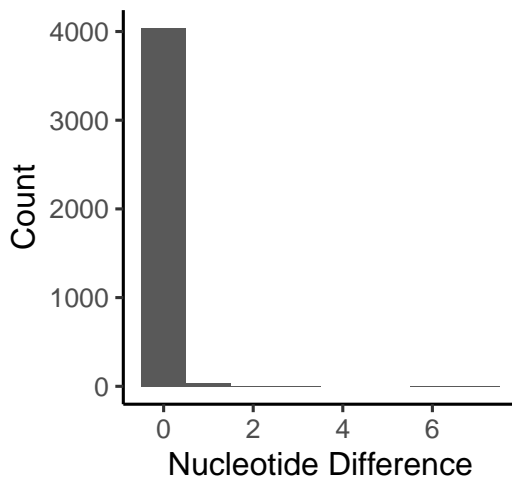
TRBV18*ap01

2961 sequences assigned
2948 (99.6%) exact matches, in which:
2924 unique CDR3
13 unique J



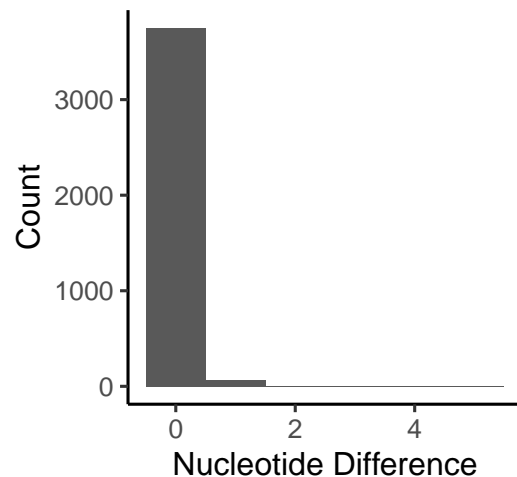
TRBV27*ap01

4080 sequences assigned
4039 (99%) exact matches, in which:
3984 unique CDR3
13 unique J



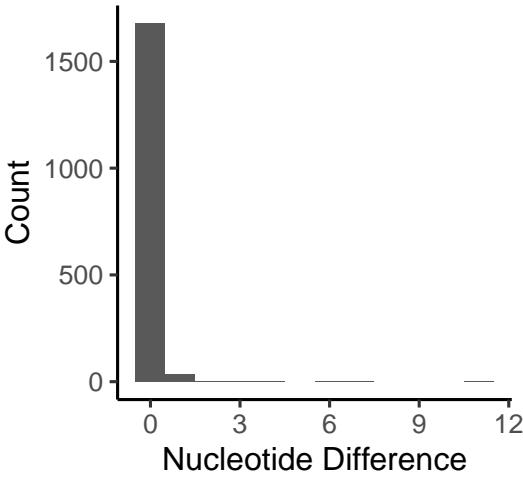
TRBV9*ap01

3822 sequences assigned
3749 (98.1%) exact matches, in which:
3719 unique CDR3
13 unique J



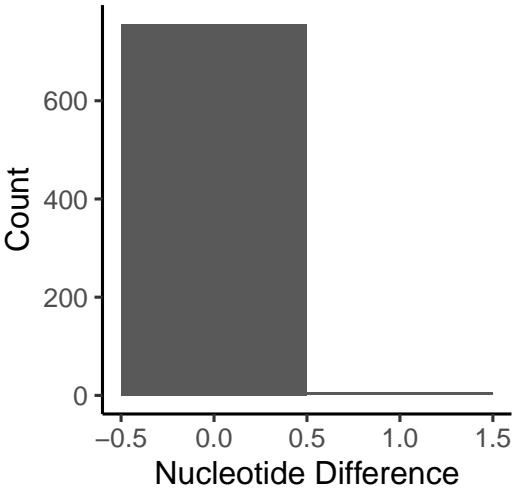
TRBV21-1*ap01

1725 sequences assigned
1678 (97.3%) exact matches, in which:
1666 unique CDR3
13 unique J



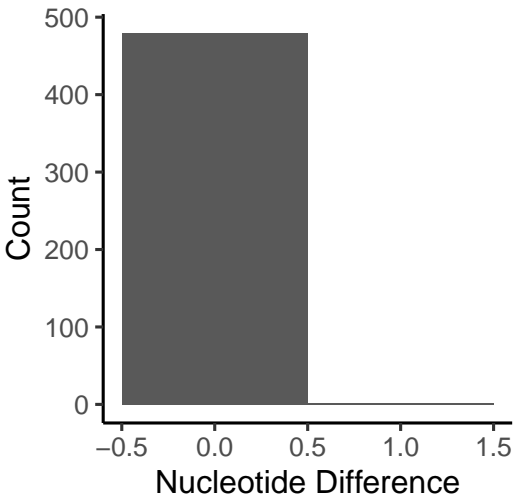
TRBV11-3*ap01

763 sequences assigned
757 (99.2%) exact matches, in which:
752 unique CDR3
13 unique J



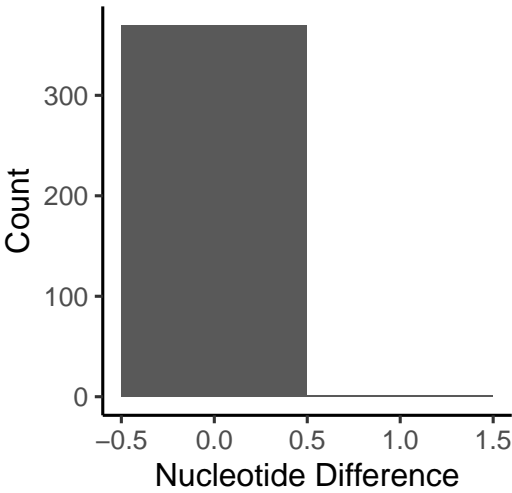
TRBV12-5*ap01

482 sequences assigned
480 (99.6%) exact matches, in which:
475 unique CDR3
13 unique J



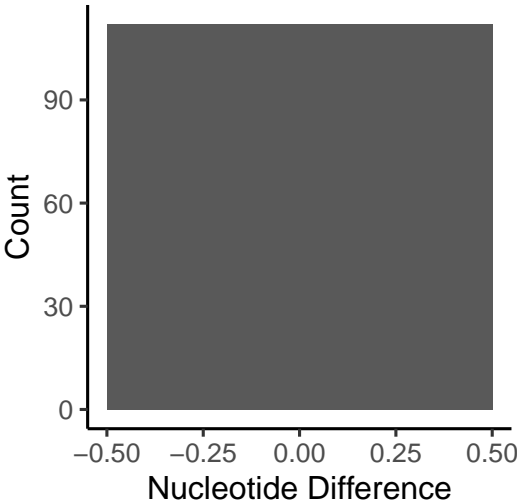
TRBV11-1*ap01

371 sequences assigned
370 (99.7%) exact matches, in which:
366 unique CDR3
13 unique J



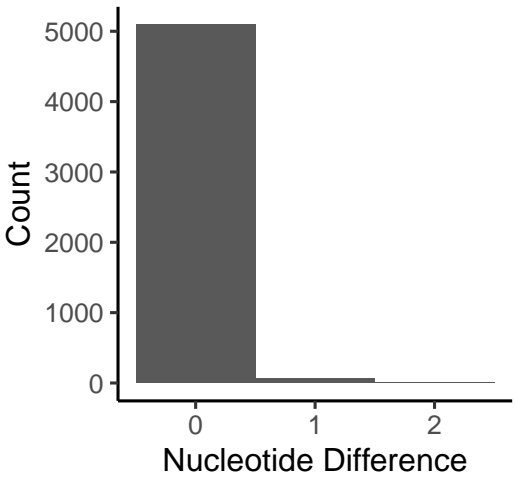
TRBV12-1*ap01

112 sequences assigned
112 (100%) exact matches, in which:
108 unique CDR3
13 unique J



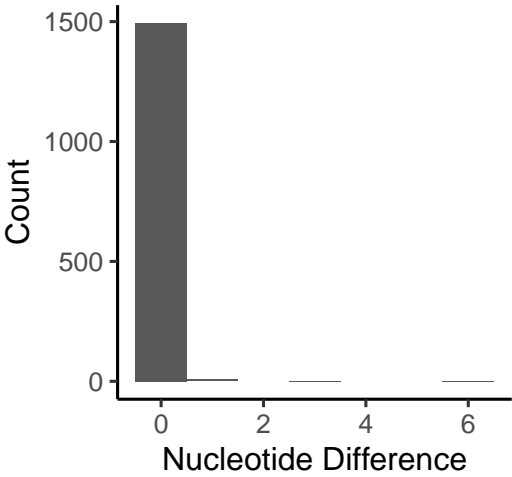
TRBV12-34*ap01

5156 sequences assigned
5093 (98.8%) exact matches, in which:
5021 unique CDR3
13 unique J



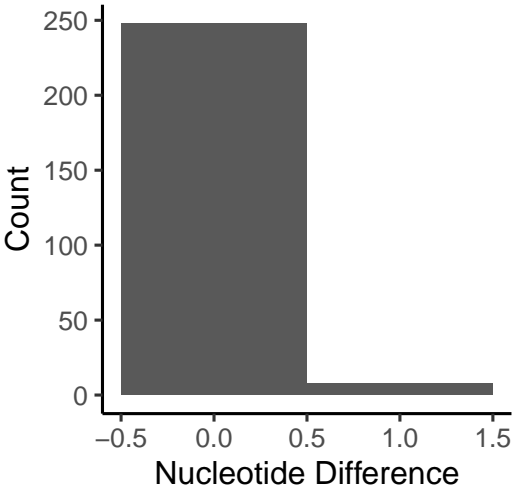
TRBV11-2*ap01

1505 sequences assigned
1494 (99.3%) exact matches, in which:
1479 unique CDR3
13 unique J



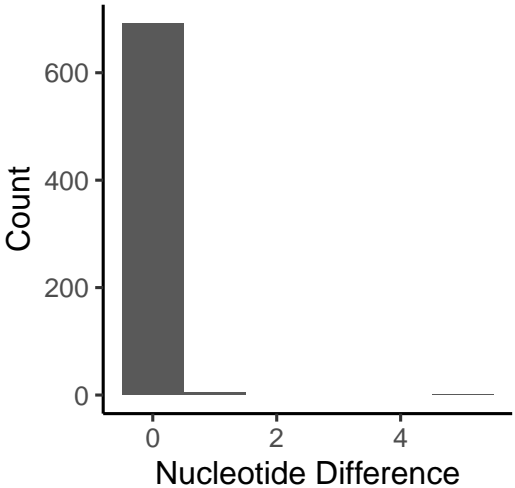
TRBV12-2*ap01

256 sequences assigned
248 (96.9%) exact matches, in which:
243 unique CDR3
12 unique J



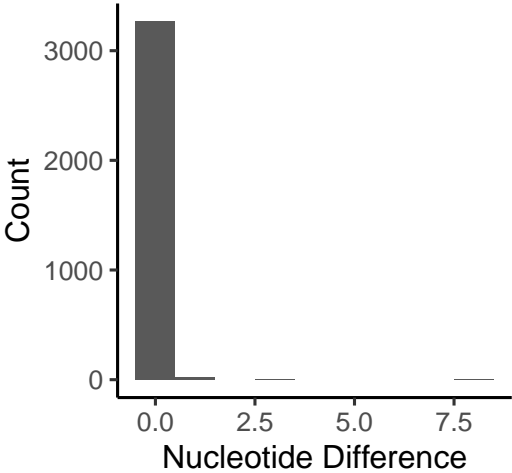
TRBV23-1*ap01

697 sequences assigned
692 (99.3%) exact matches, in which:
679 unique CDR3
13 unique J



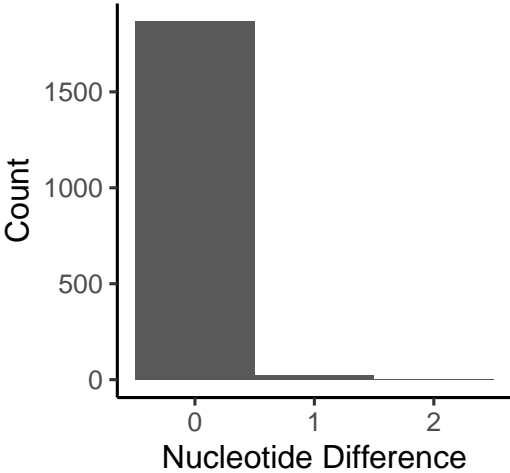
TRBV3-12*ap01

3295 sequences assigned
3267 (99.2%) exact matches, in which:
3234 unique CDR3
13 unique J



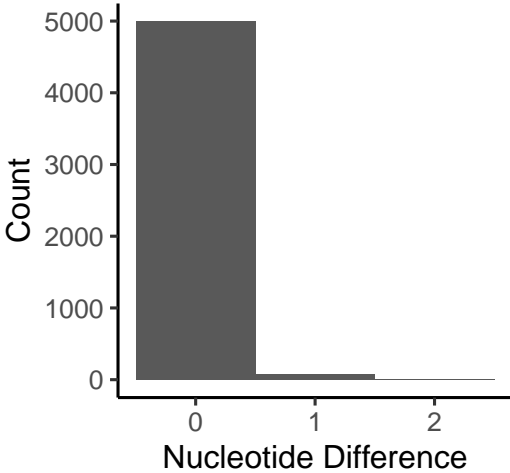
TRBV4-2*ap01

1891 sequences assigned
1867 (98.7%) exact matches, in which:
1840 unique CDR3
13 unique J



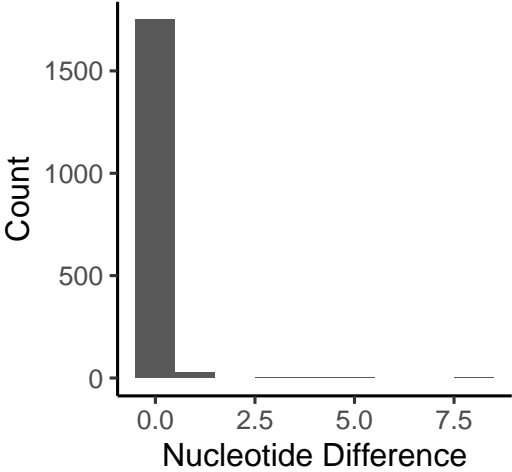
TRBV5-1*ap01

5074 sequences assigned
4995 (98.4%) exact matches, in which:
4899 unique CDR3
13 unique J



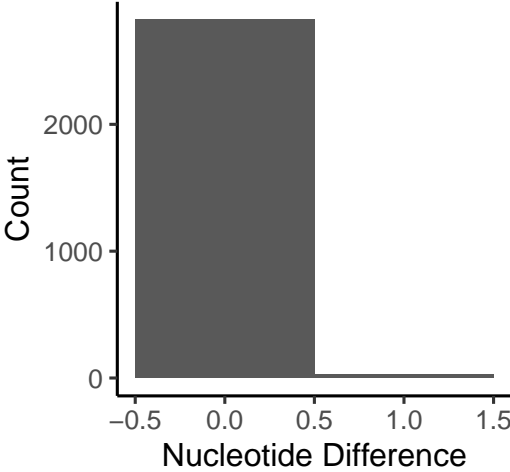
TRBV24-1*ap01

1783 sequences assigned
1750 (98.1%) exact matches, in which:
1720 unique CDR3
13 unique J



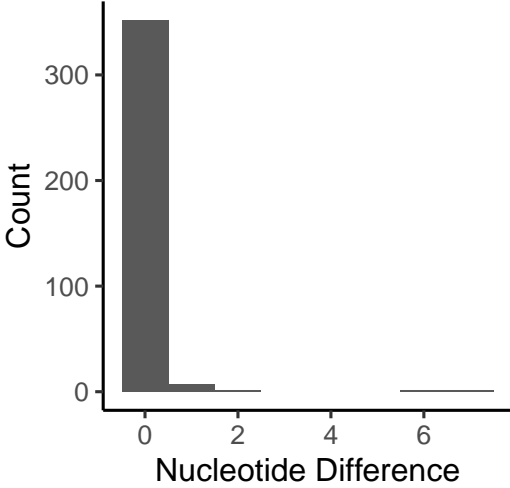
TRBV4-3*ap01

2855 sequences assigned
2825 (98.9%) exact matches, in which:
2771 unique CDR3
13 unique J



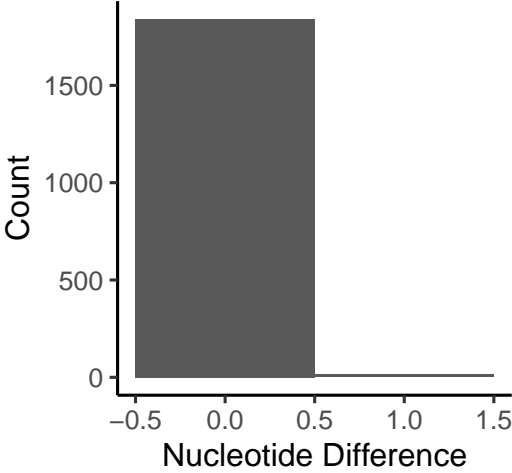
TRBV5-3*ap01

362 sequences assigned
352 (97.2%) exact matches, in which:
348 unique CDR3
13 unique J



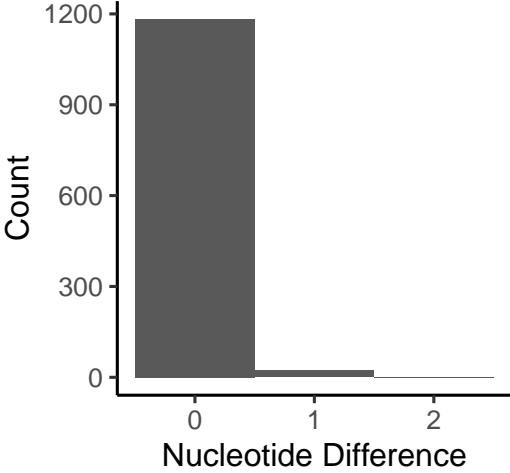
TRBV4-1*ap01

1855 sequences assigned
1841 (99.2%) exact matches, in which:
1813 unique CDR3
13 unique J



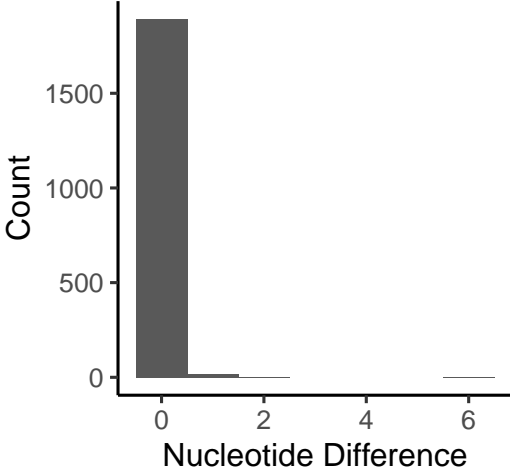
TRBV25-1*ap01

1207 sequences assigned
1183 (98%) exact matches, in which:
1146 unique CDR3
13 unique J



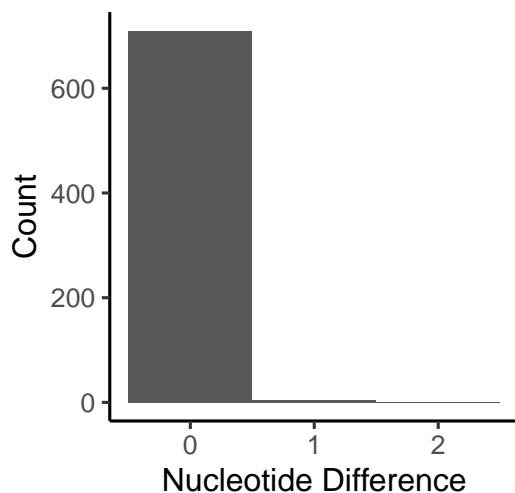
TRBV5-4*ap01

1911 sequences assigned
1892 (99%) exact matches, in which:
1854 unique CDR3
13 unique J



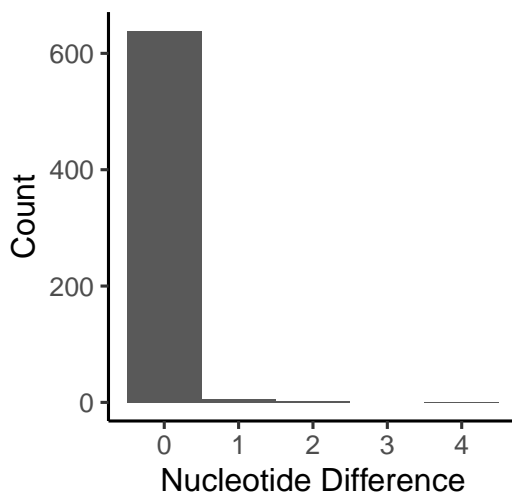
TRBV5-5*ap01

715 sequences assigned
710 (99.3%) exact matches, in which:
701 unique CDR3
13 unique J



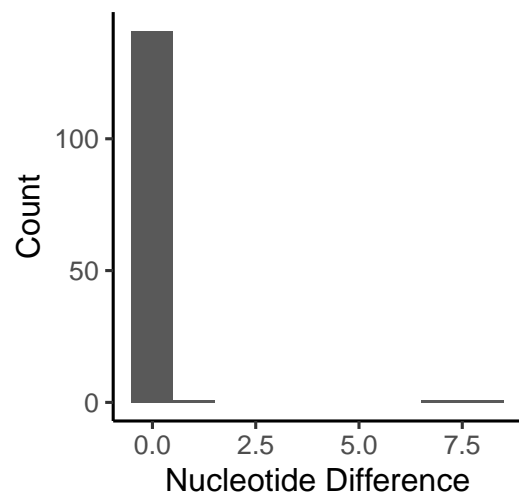
TRBV5-8*ap01

648 sequences assigned
639 (98.6%) exact matches, in which:
633 unique CDR3
13 unique J



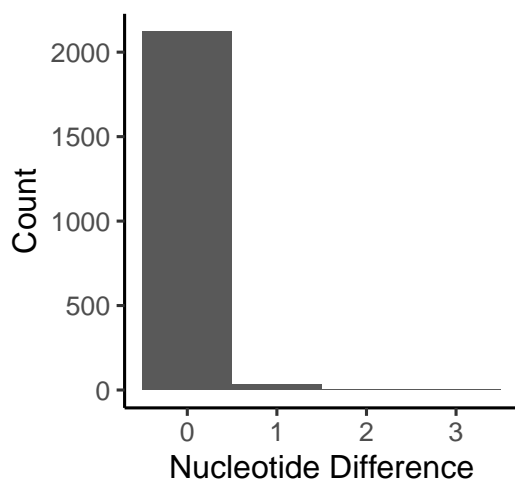
TRBV6-7*ap01

144 sequences assigned
141 (97.9%) exact matches, in which:
139 unique CDR3
13 unique J



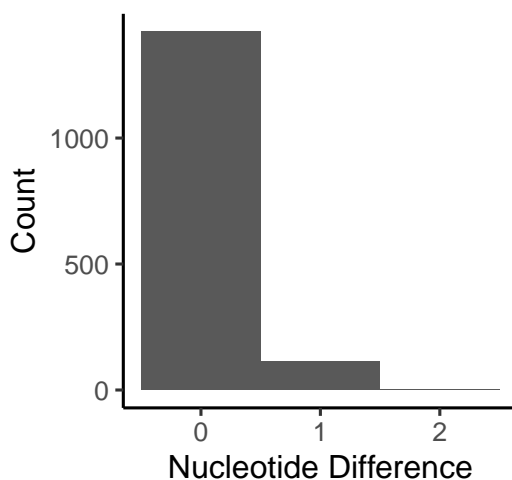
TRBV5-6*ap01

2156 sequences assigned
2121 (98.4%) exact matches, in which:
2063 unique CDR3
13 unique J



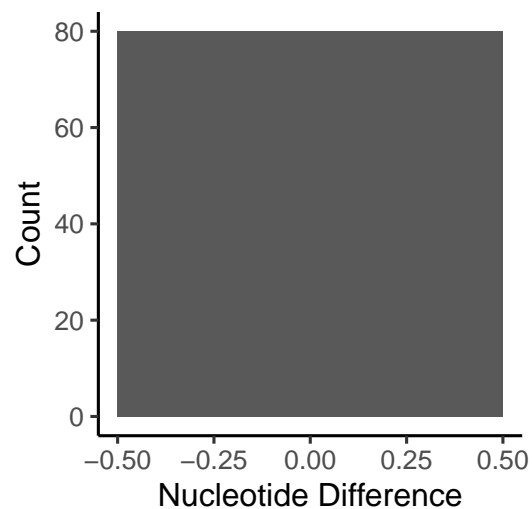
TRBV6-1*ap01

1539 sequences assigned
1422 (92.4%) exact matches, in which:
1389 unique CDR3
13 unique J



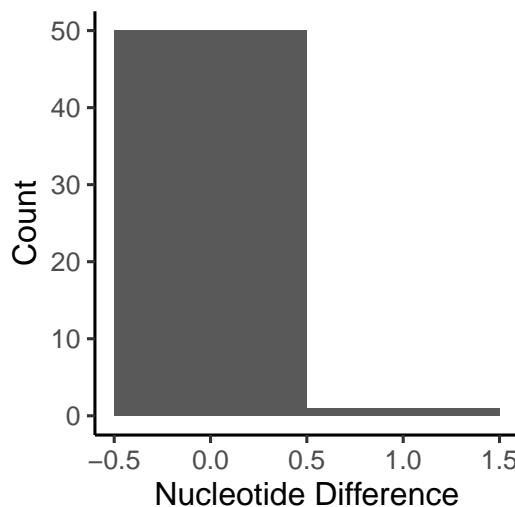
TRBV6-8*ap01

80 sequences assigned
80 (100%) exact matches, in which:
80 unique CDR3
12 unique J



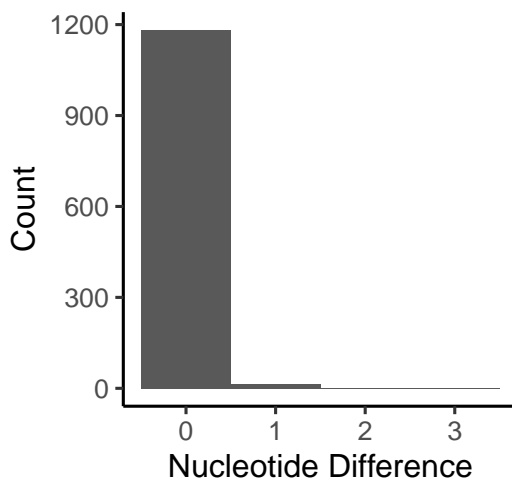
TRBV5-7*ap01

51 sequences assigned
50 (98%) exact matches, in which:
47 unique CDR3
12 unique J



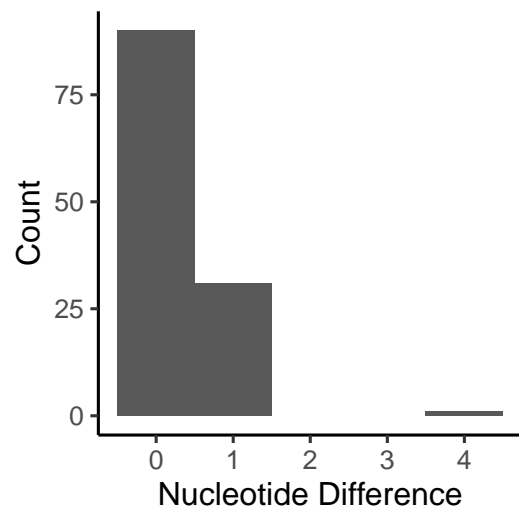
TRBV6-4*ap01

1198 sequences assigned
1182 (98.7%) exact matches, in which:
1160 unique CDR3
13 unique J



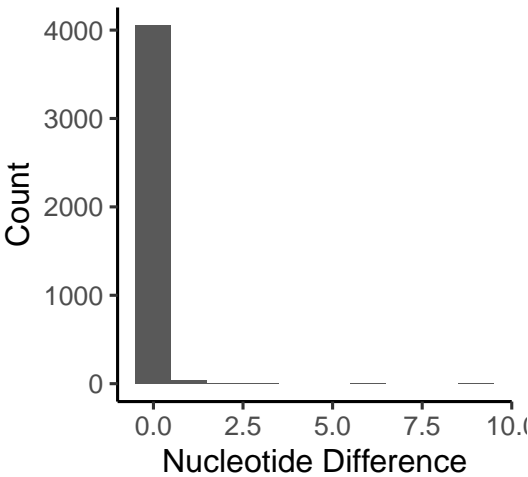
TRBV6-9*ap01

122 sequences assigned
90 (73.8%) exact matches, in which:
86 unique CDR3
13 unique J



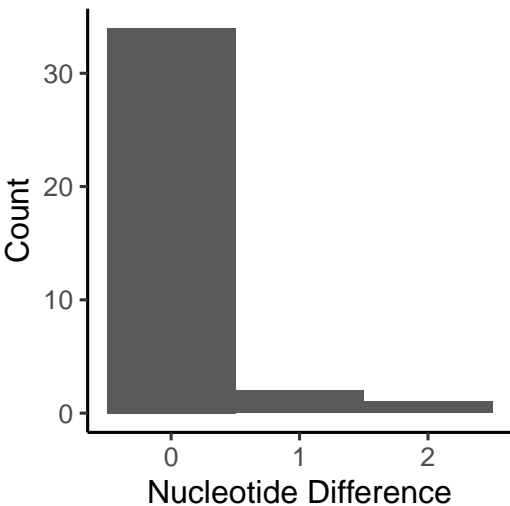
TRBV6-23*ap01

4097 sequences assigned
4053 (98.9%) exact matches, in which:
3961 unique CDR3
13 unique J



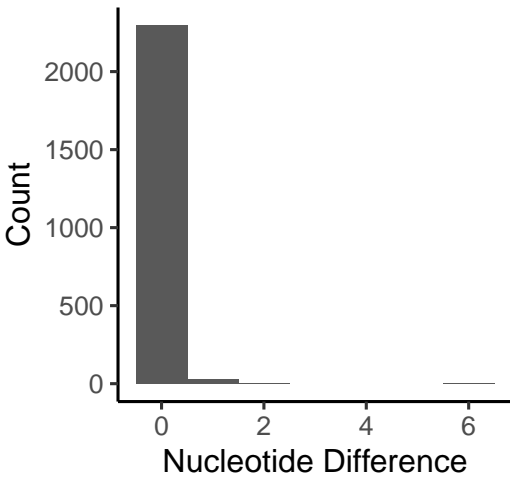
TRBV7-1*ap01_G291C_T

37 sequences assigned
34 (91.9%) exact matches, in which:
34 unique CDR3
8 unique J



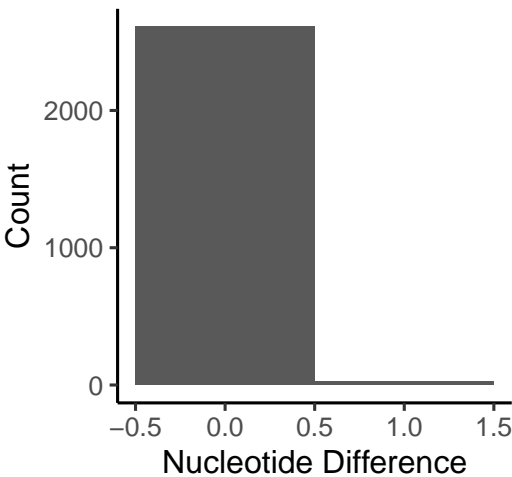
TRBV7-3*ap01

2330 sequences assigned
2296 (98.5%) exact matches, in which:
2277 unique CDR3
14 unique J



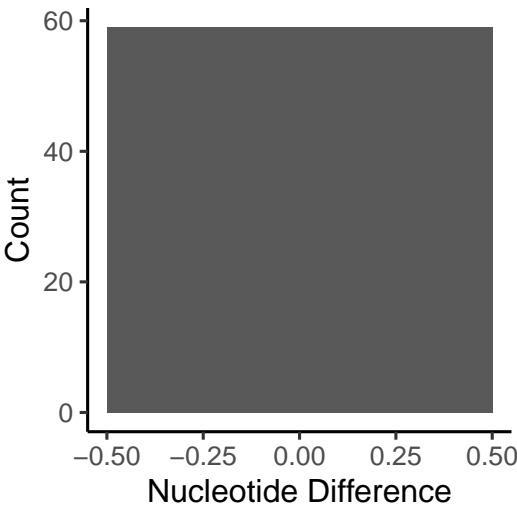
TRBV6-56*ap01

2638 sequences assigned
2610 (98.9%) exact matches, in which:
2569 unique CDR3
13 unique J



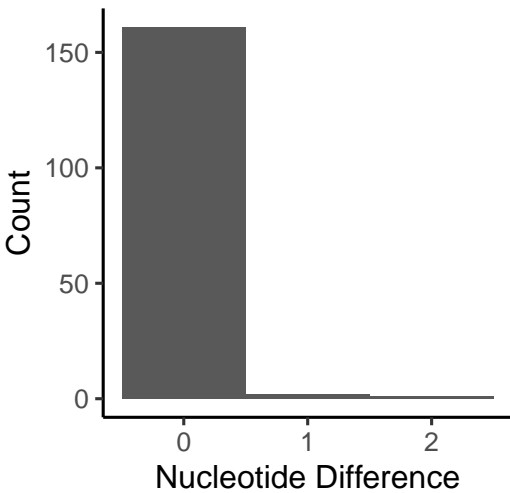
TRBV7-1*ap01_G291C_T

59 sequences assigned
59 (100%) exact matches, in which:
58 unique CDR3
12 unique J



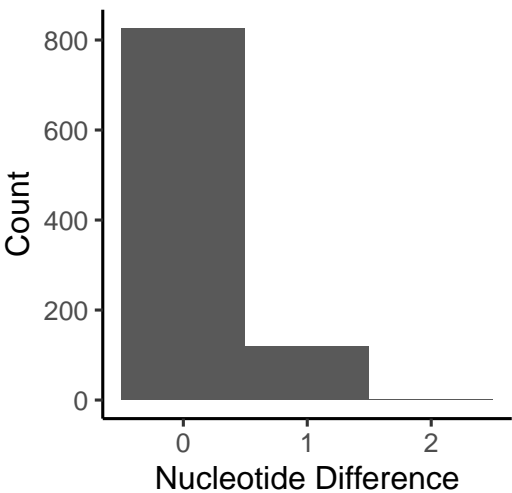
TRBV7-4*ap01

164 sequences assigned
161 (98.2%) exact matches, in which:
157 unique CDR3
13 unique J



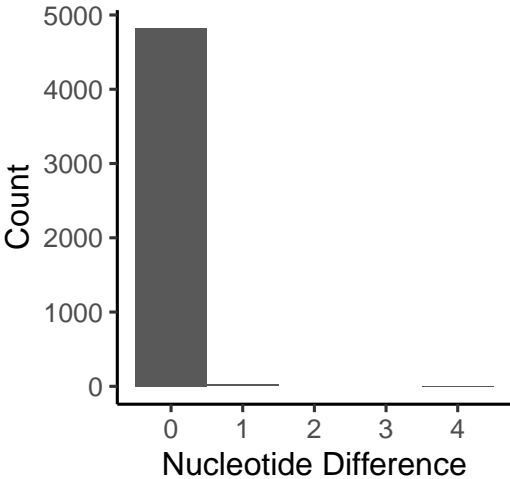
TRBV6-56*ap02

946 sequences assigned
826 (87.3%) exact matches, in which:
814 unique CDR3
13 unique J



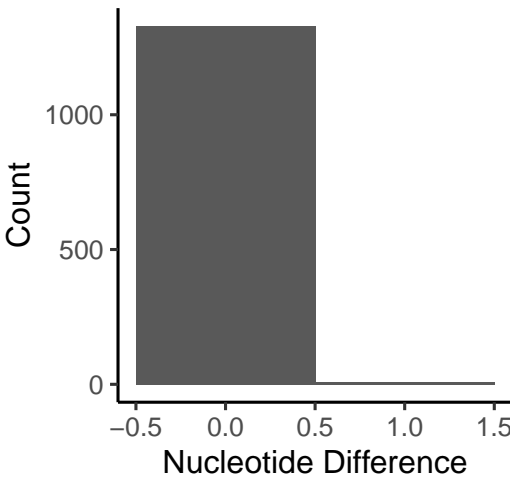
TRBV7-2*ap01

4850 sequences assigned
4824 (99.5%) exact matches, in which:
4760 unique CDR3
13 unique J



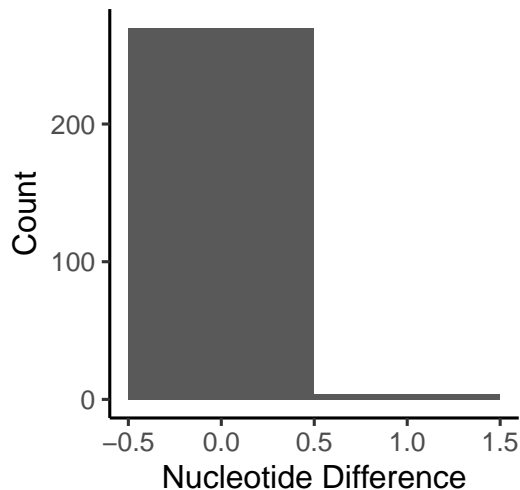
TRBV7-6*ap01

1337 sequences assigned
1329 (99.4%) exact matches, in which:
1312 unique CDR3
13 unique J



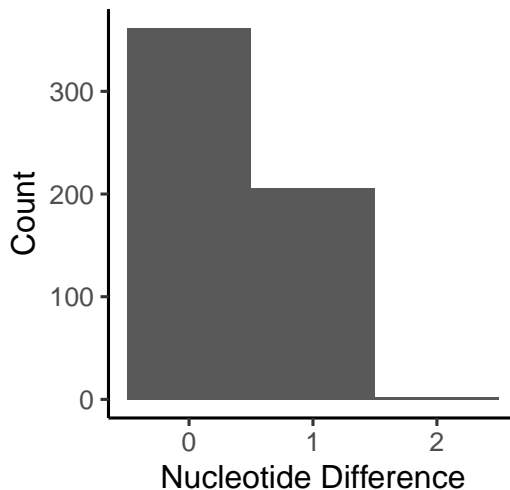
TRBV7-7*ap01

274 sequences assigned
270 (98.5%) exact matches, in which:
269 unique CDR3
13 unique J



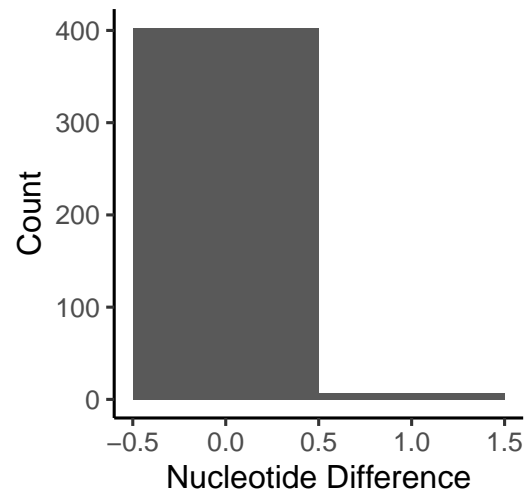
TRBV7-8*ap03

570 sequences assigned
362 (63.5%) exact matches, in which:
359 unique CDR3
13 unique J



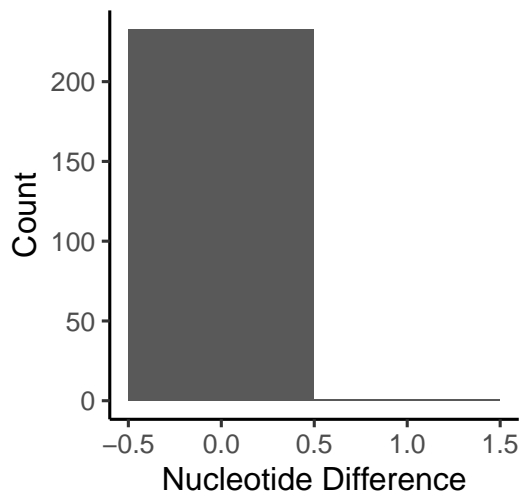
TRBV29-1*ap02

410 sequences assigned
403 (98.3%) exact matches, in which:
391 unique CDR3
13 unique J



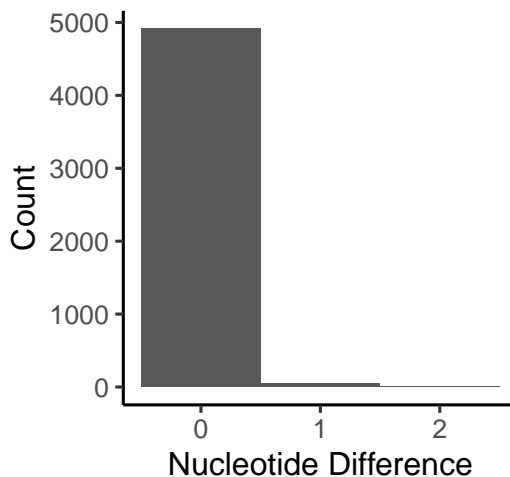
TRBV7-7*ap01_C315T

234 sequences assigned
233 (99.6%) exact matches, in which:
230 unique CDR3
12 unique J



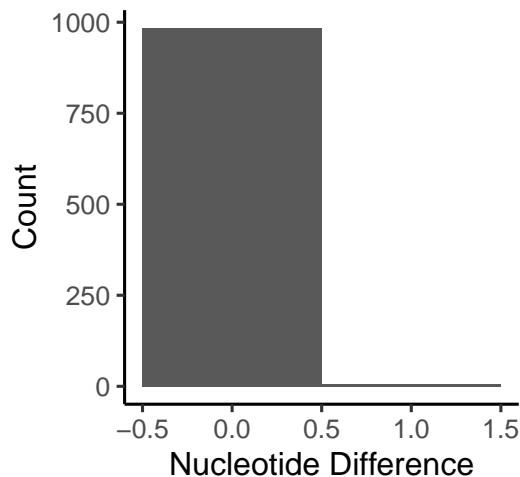
TRBV7-9*ap01

4968 sequences assigned
4914 (98.9%) exact matches, in which:
4843 unique CDR3
13 unique J



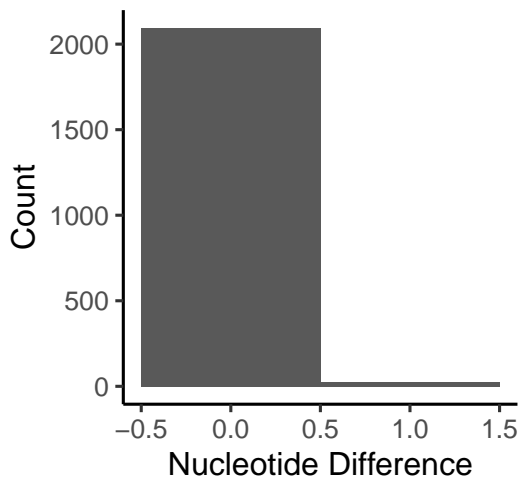
TRBV7-8*ap01

990 sequences assigned
984 (99.4%) exact matches, in which:
966 unique CDR3
13 unique J

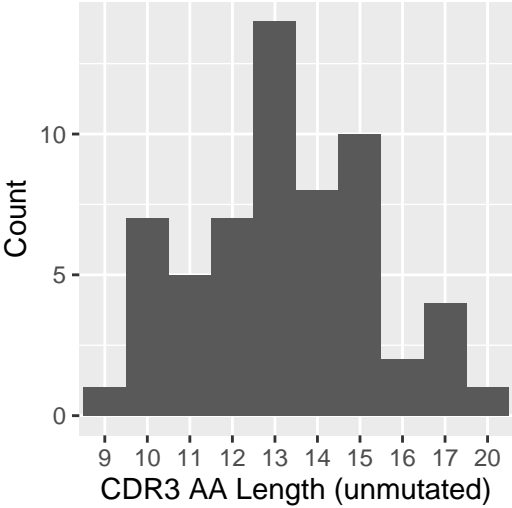


TRBV29-1*ap01

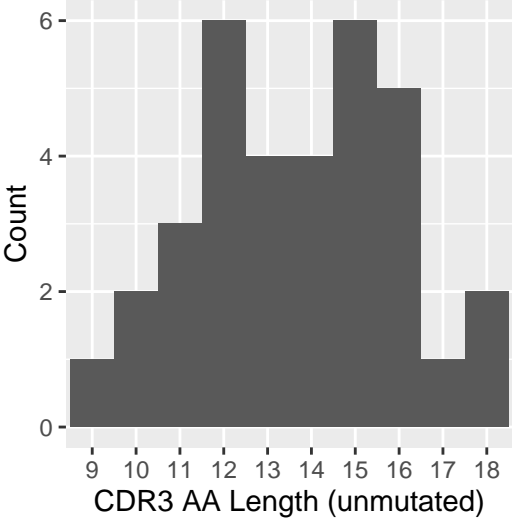
2118 sequences assigned
2094 (98.9%) exact matches, in which:
2037 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

