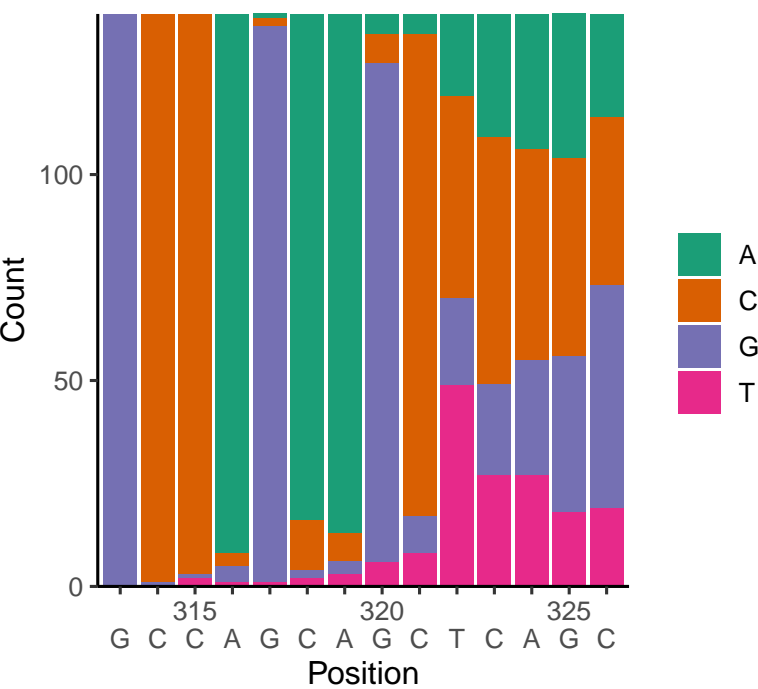
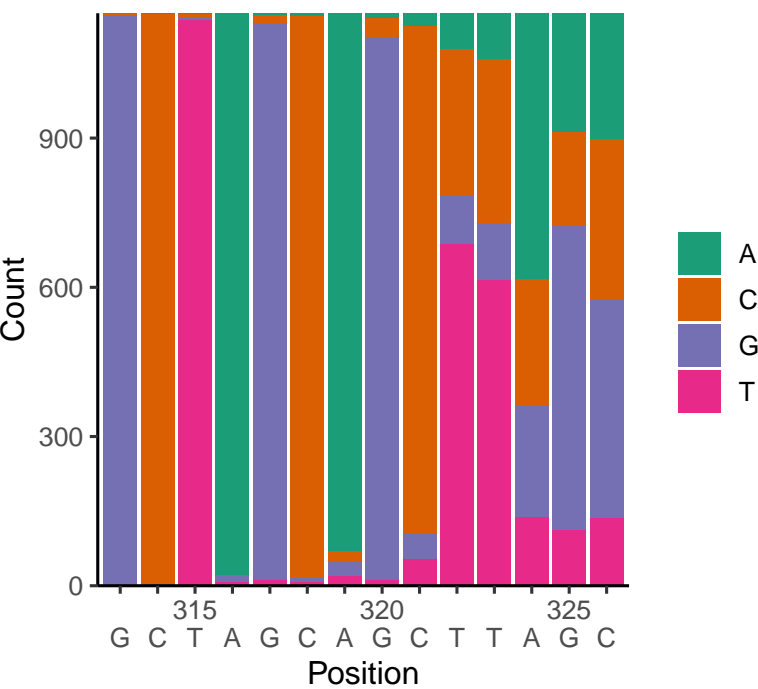


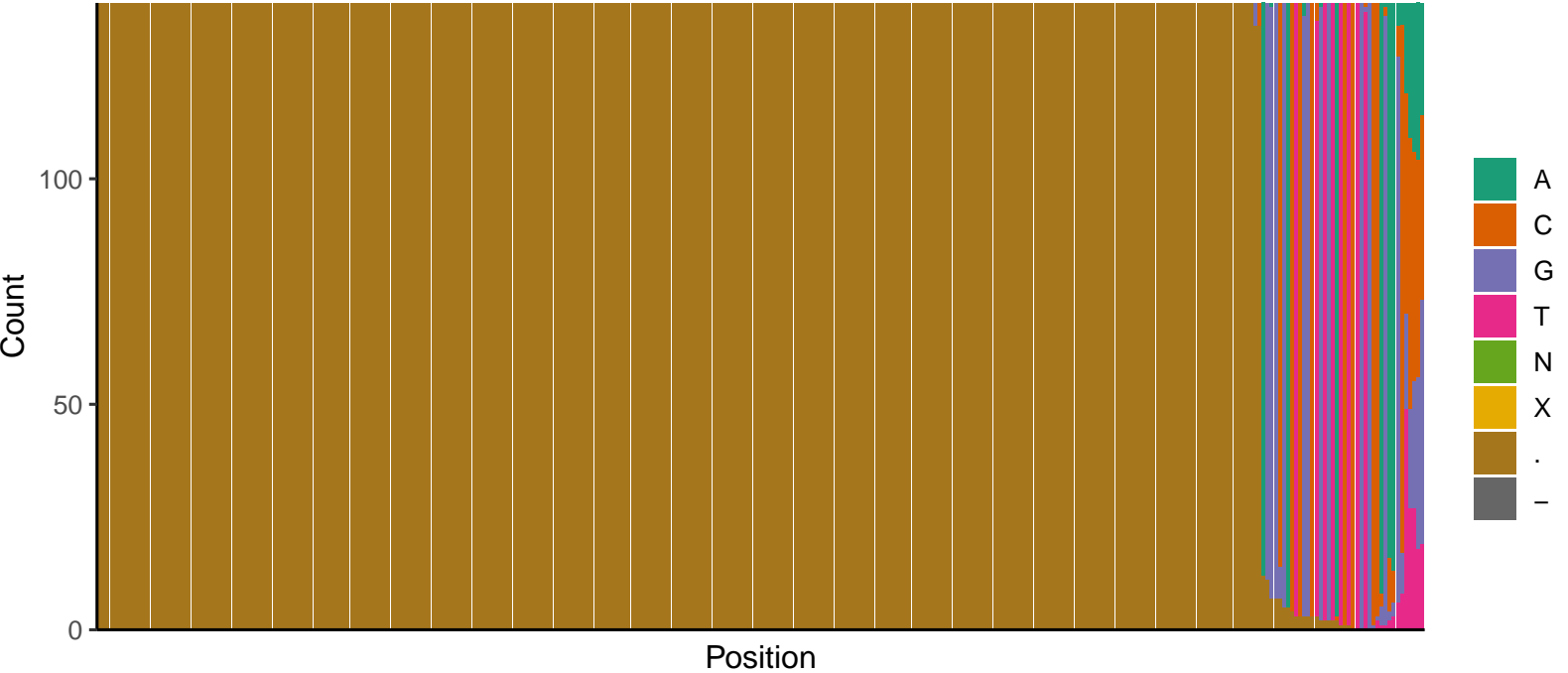
Gene TRBV7-1*ap01_T296C



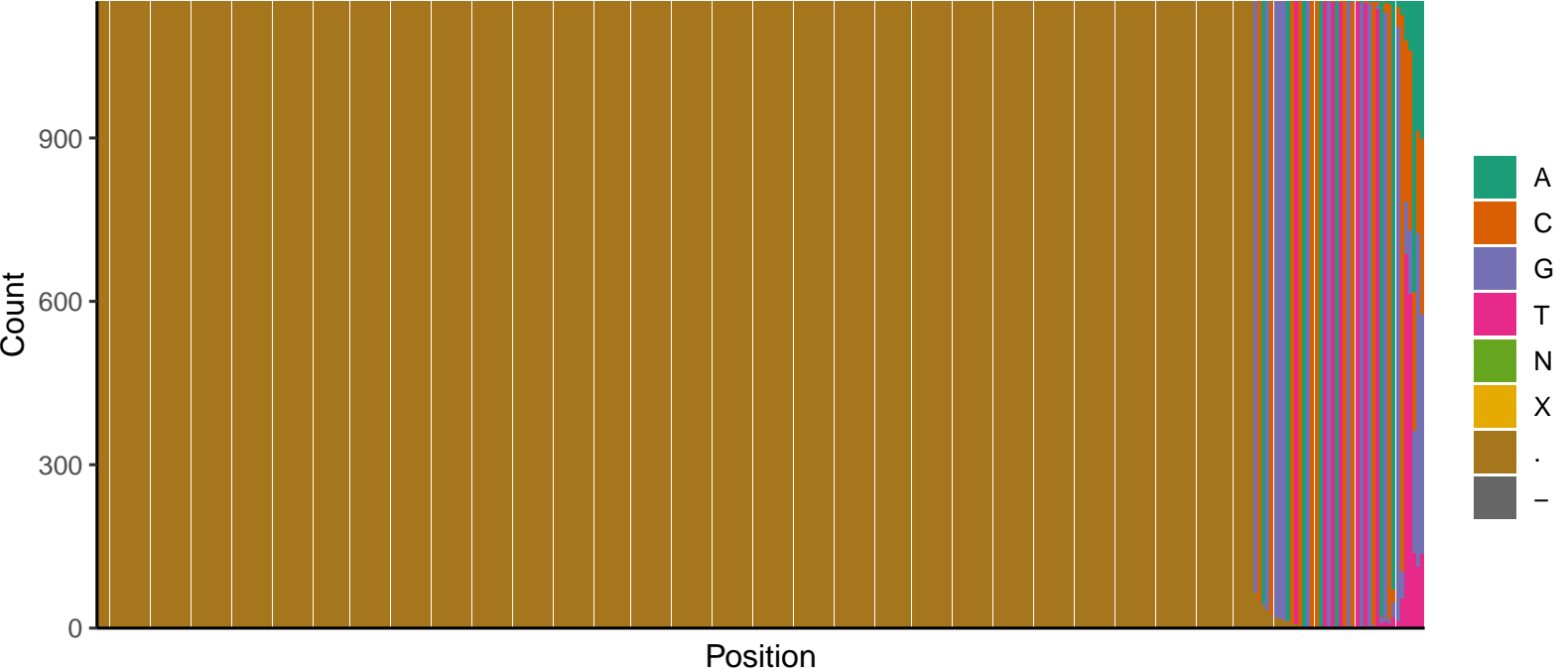
Gene TRBV7-7*ap01_C315T



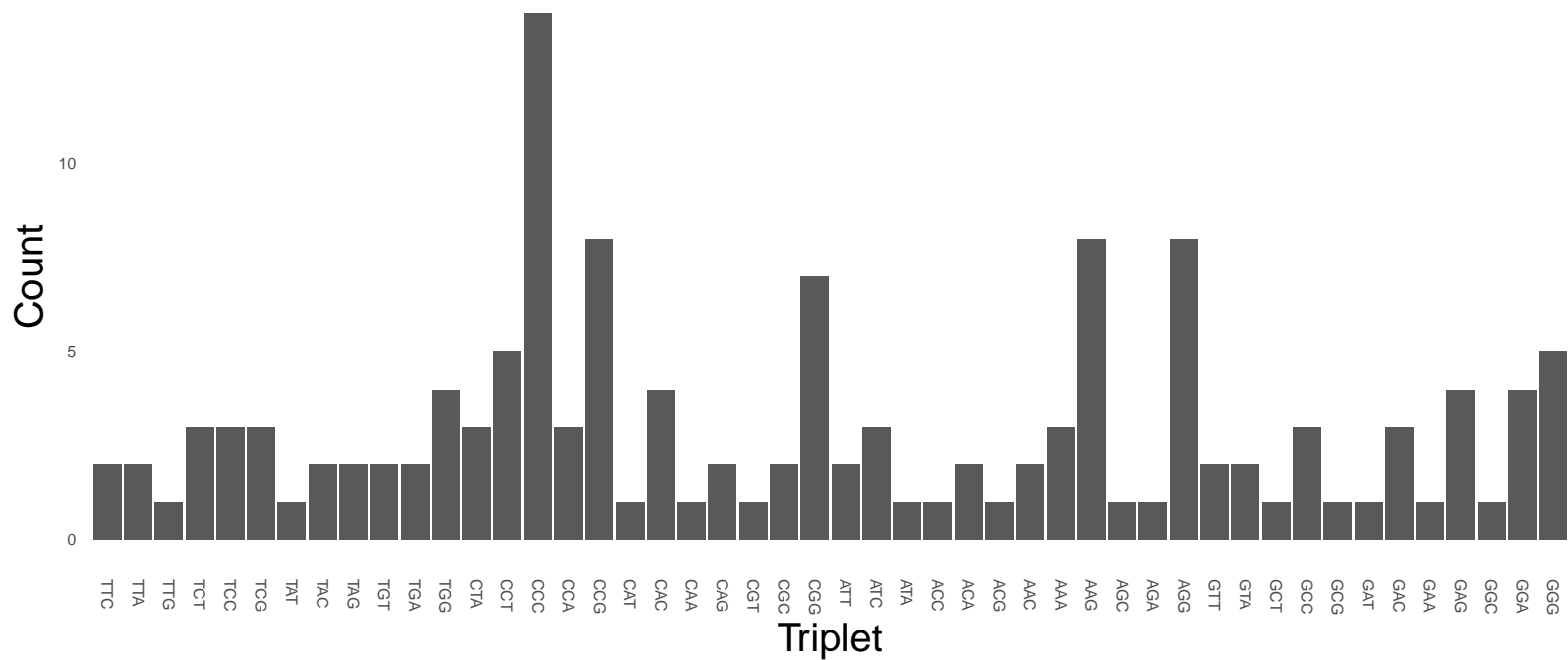
Gene TRBV7-1*ap01_T296C



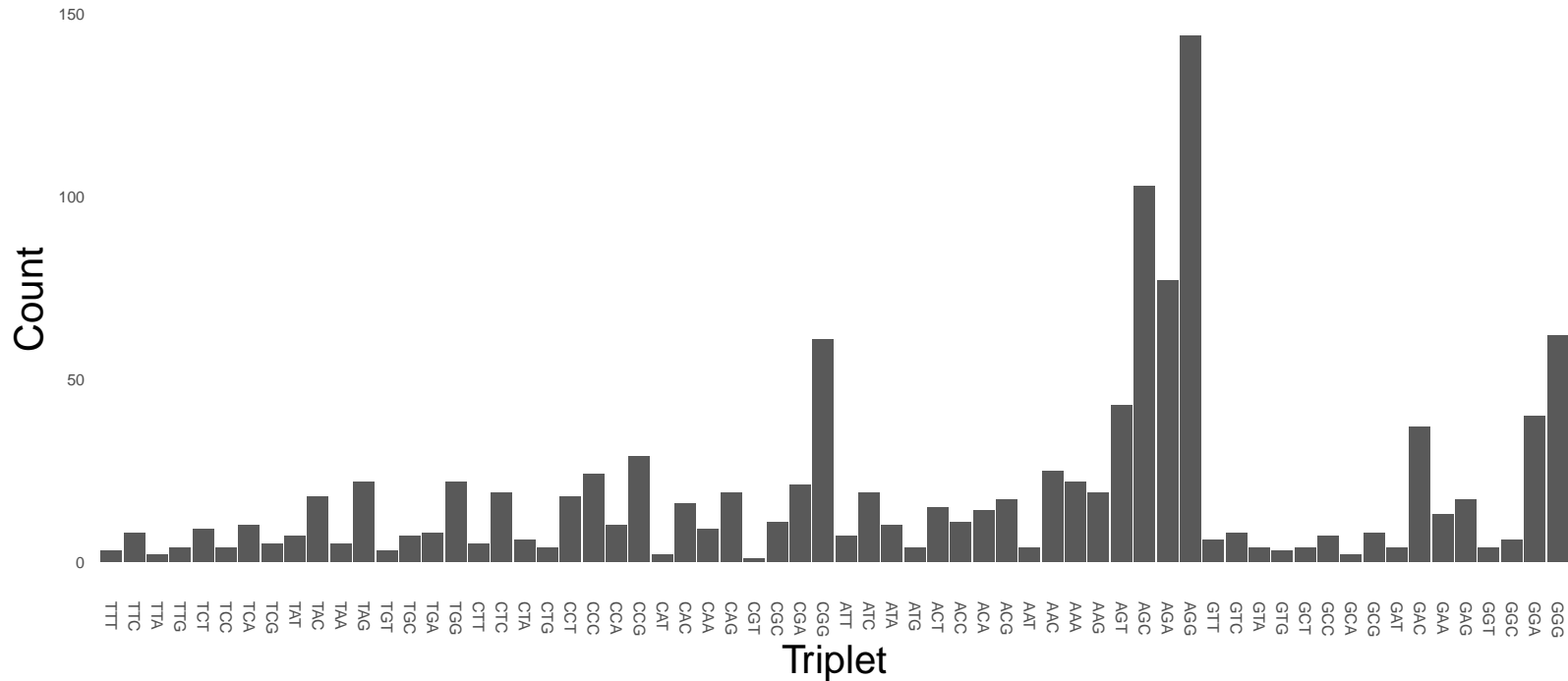
Gene TRBV7-7*ap01_C315T



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

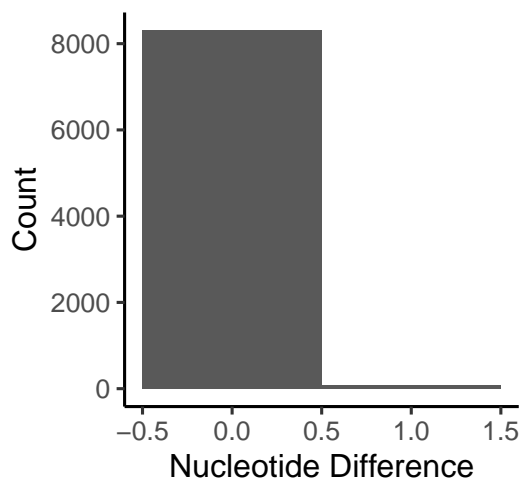


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



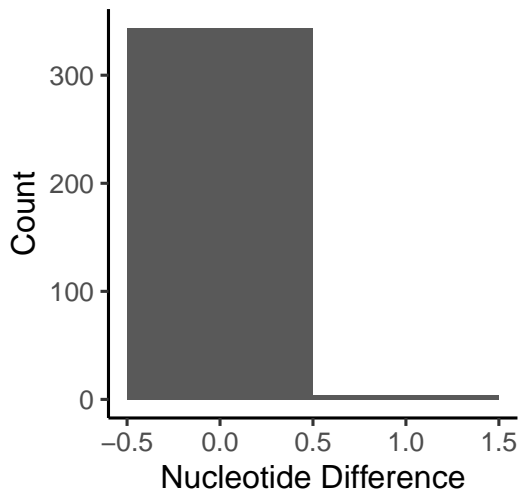
TRBV20-1*ap01

8395 sequences assigned
8307 (99%) exact matches, in which:
8180 unique CDR3
13 unique J



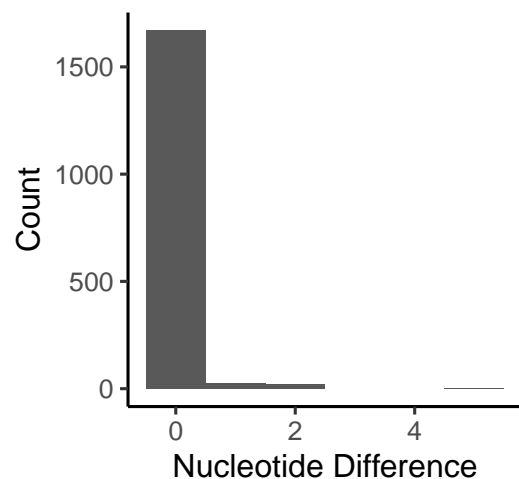
TRBV10-2*ap01

348 sequences assigned
344 (98.9%) exact matches, in which:
339 unique CDR3
13 unique J



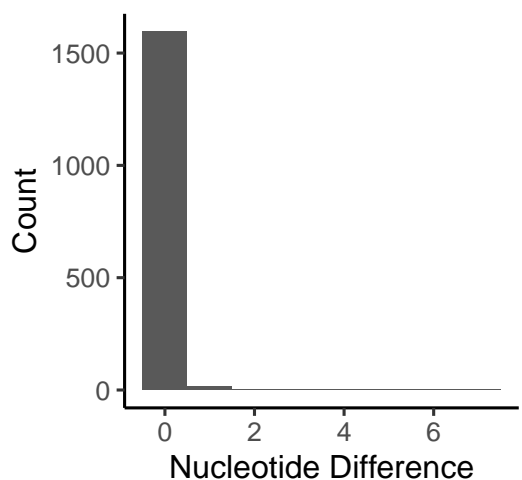
TRBV13*ap01

1718 sequences assigned
1670 (97.2%) exact matches, in which:
1637 unique CDR3
13 unique J



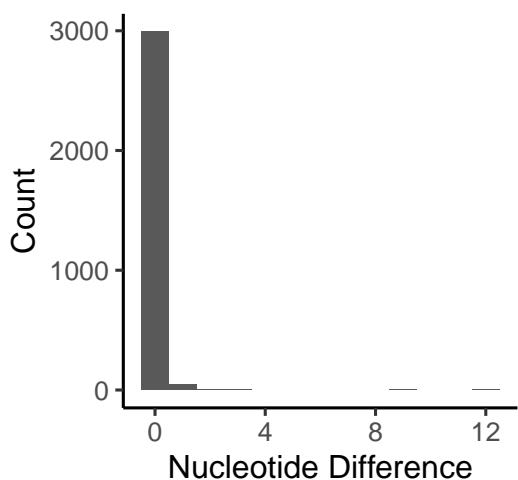
TRBV10-1*ap01

1617 sequences assigned
1595 (98.6%) exact matches, in which:
1567 unique CDR3
13 unique J



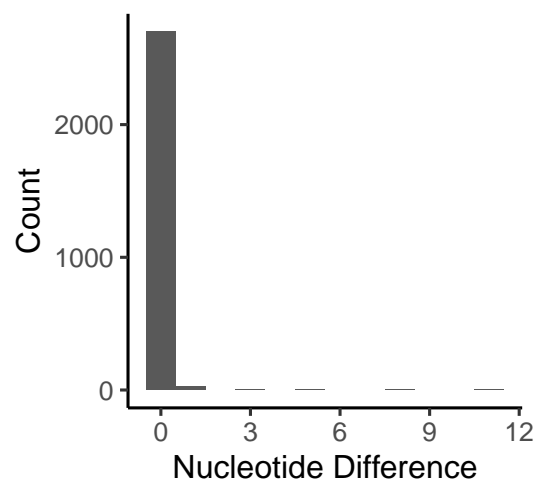
TRBV10-3*ap01

3046 sequences assigned
2992 (98.2%) exact matches, in which:
2940 unique CDR3
13 unique J



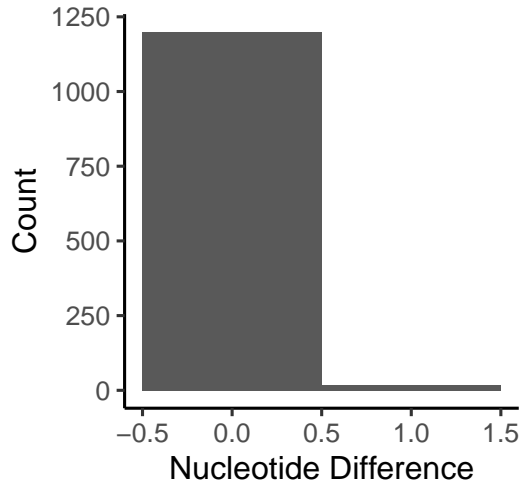
TRBV14*ap01

2728 sequences assigned
2700 (99%) exact matches, in which:
2644 unique CDR3
13 unique J



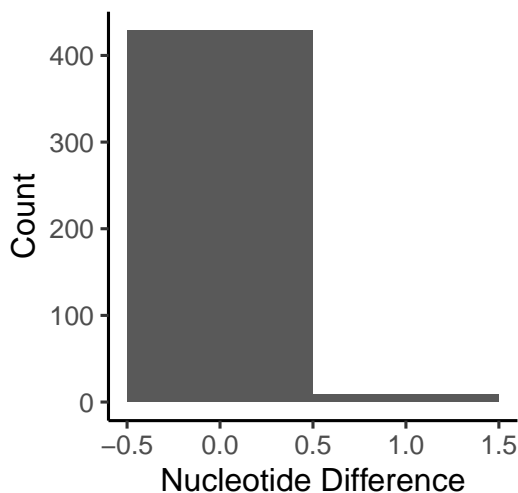
TRBV20-1*ap02

1217 sequences assigned
1199 (98.5%) exact matches, in which:
1184 unique CDR3
13 unique J



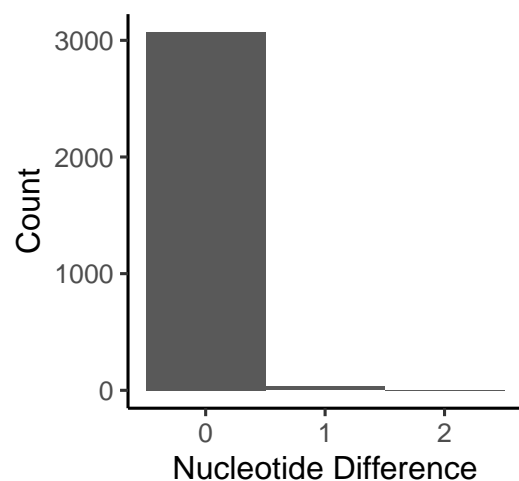
TRBV1*ap01

438 sequences assigned
429 (97.9%) exact matches, in which:
422 unique CDR3
13 unique J



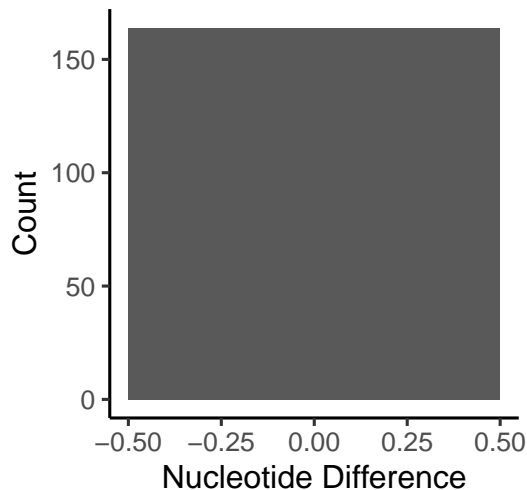
TRBV15*ap02

3105 sequences assigned
3071 (98.9%) exact matches, in which:
3009 unique CDR3
13 unique J



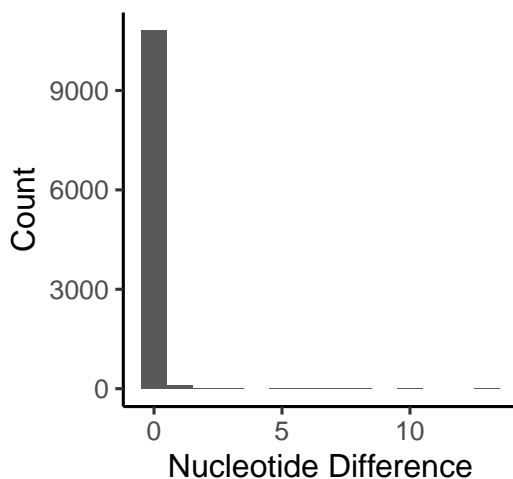
TRBV16*ap01

164 sequences assigned
164 (100%) exact matches, in which:
164 unique CDR3
13 unique J



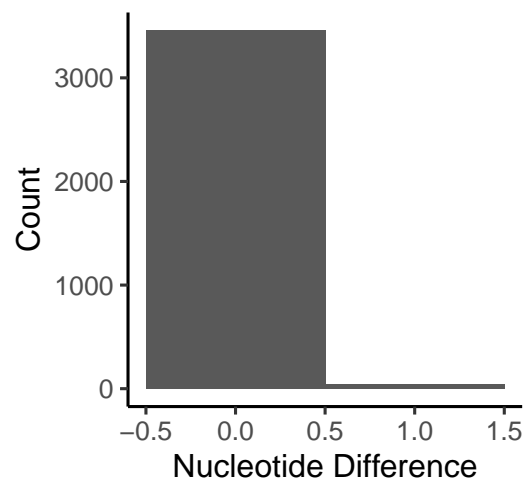
TRBV19*ap01

10944 sequences assigned
10813 (98.8%) exact matches, in which:
10681 unique CDR3
13 unique J



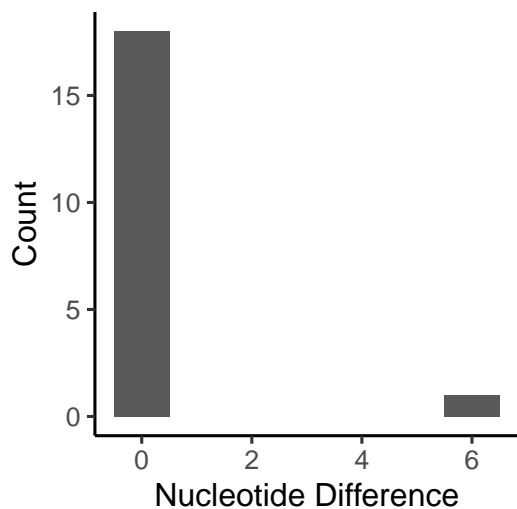
TRBV28*ap01

3497 sequences assigned
3458 (98.9%) exact matches, in which:
3387 unique CDR3
13 unique J



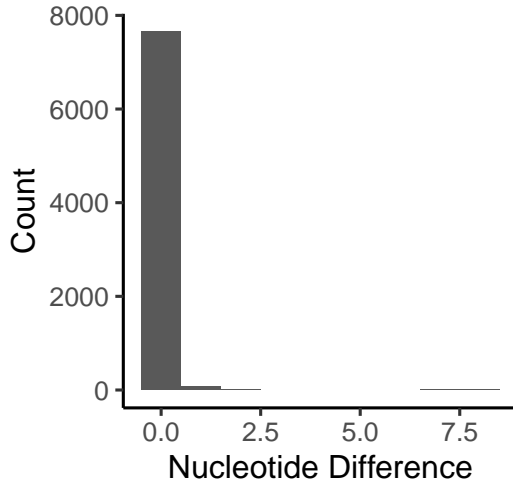
TRBV17*ap01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
8 unique J



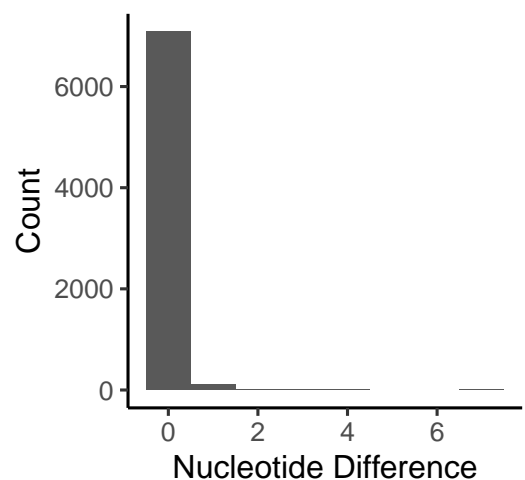
TRBV2*ap01

7729 sequences assigned
7651 (99%) exact matches, in which:
7537 unique CDR3
13 unique J



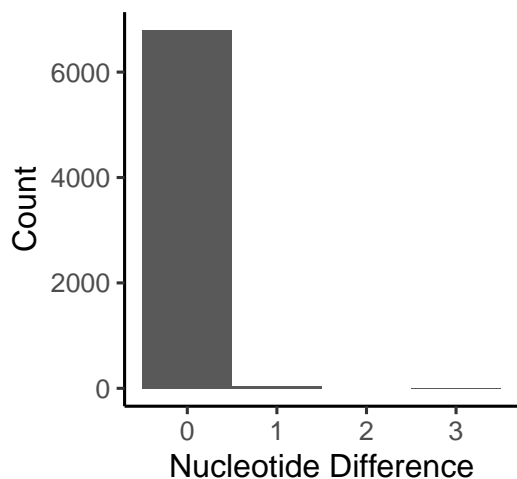
TRBV30*ap01

7200 sequences assigned
7084 (98.4%) exact matches, in which:
7000 unique CDR3
13 unique J



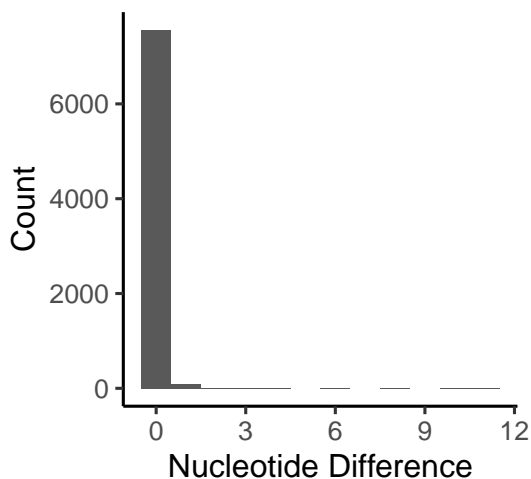
TRBV18*ap01

6846 sequences assigned
6798 (99.3%) exact matches, in which:
6707 unique CDR3
13 unique J



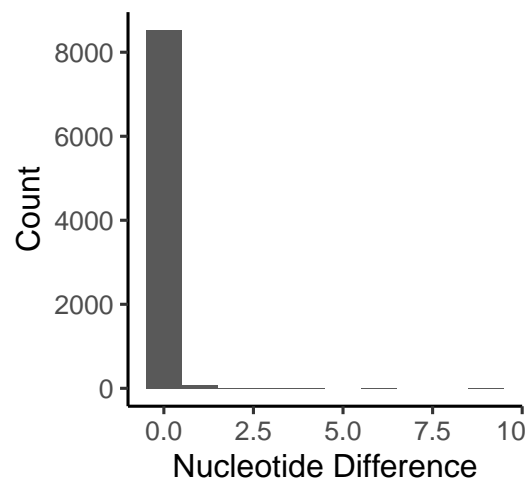
TRBV27*ap01

7666 sequences assigned
7558 (98.6%) exact matches, in which:
7387 unique CDR3
13 unique J



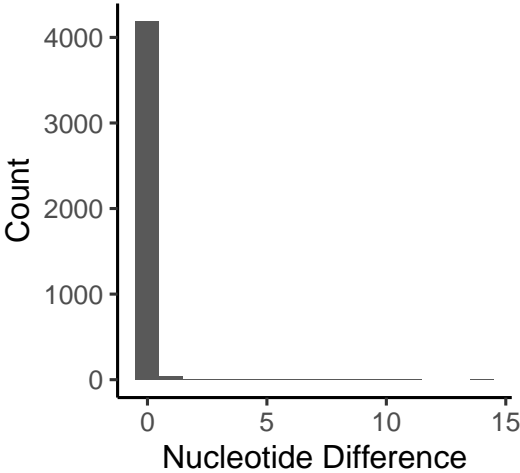
TRBV9*ap01

8620 sequences assigned
8528 (98.9%) exact matches, in which:
8397 unique CDR3
13 unique J



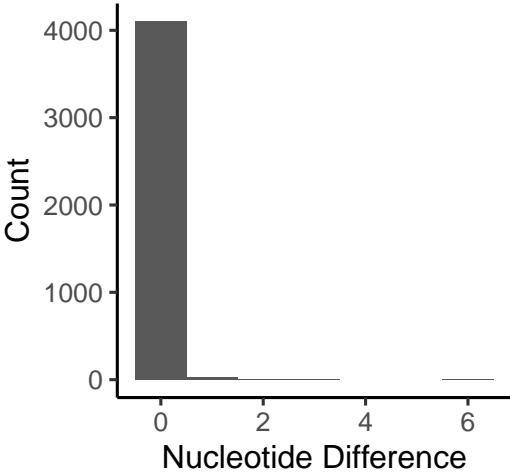
TRBV21-1*ap01

4255 sequences assigned
4187 (98.4%) exact matches, in which:
4116 unique CDR3
13 unique J



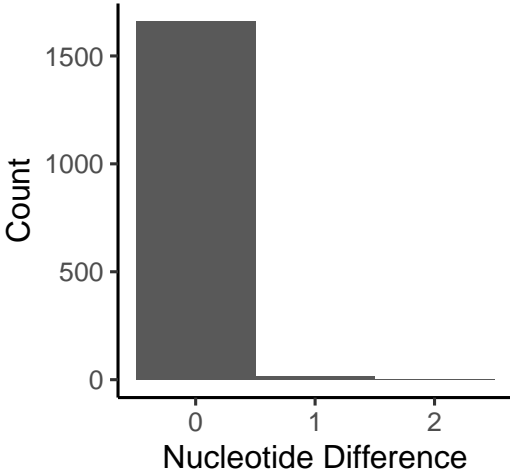
TRBV11-3*ap01

4141 sequences assigned
4102 (99.1%) exact matches, in which:
4026 unique CDR3
13 unique J



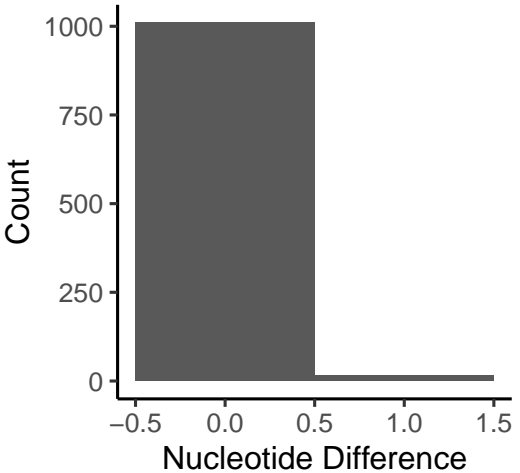
TRBV12-5*ap01

1677 sequences assigned
1660 (99%) exact matches, in which:
1633 unique CDR3
13 unique J



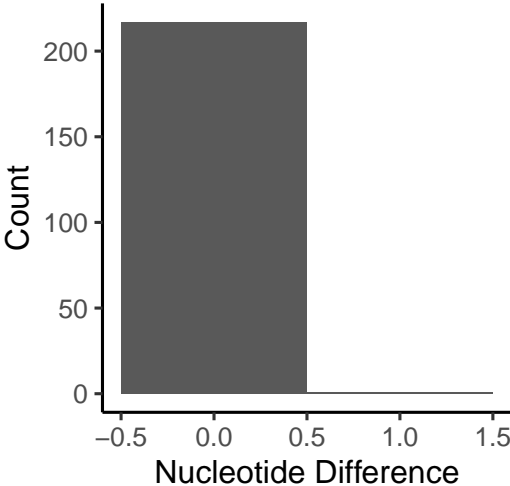
TRBV11-1*ap01

1025 sequences assigned
1010 (98.5%) exact matches, in which:
982 unique CDR3
13 unique J



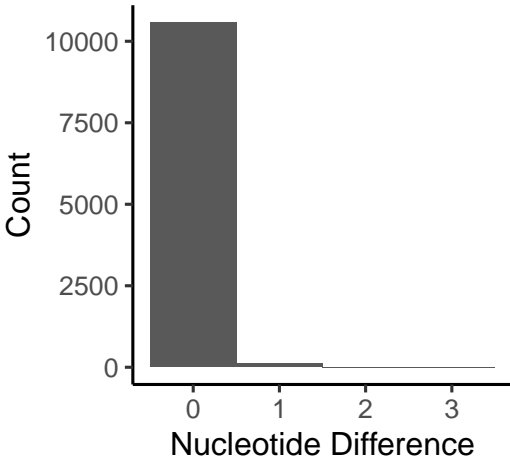
TRBV12-1*ap01

218 sequences assigned
217 (99.5%) exact matches, in which:
212 unique CDR3
13 unique J



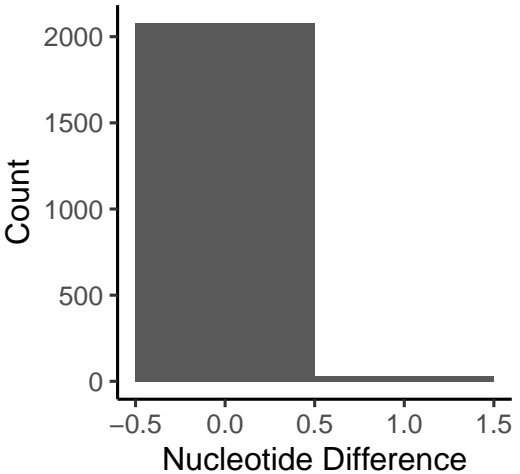
TRBV12-34*ap01

10692 sequences assigned
10577 (98.9%) exact matches, in which:
10397 unique CDR3
13 unique J



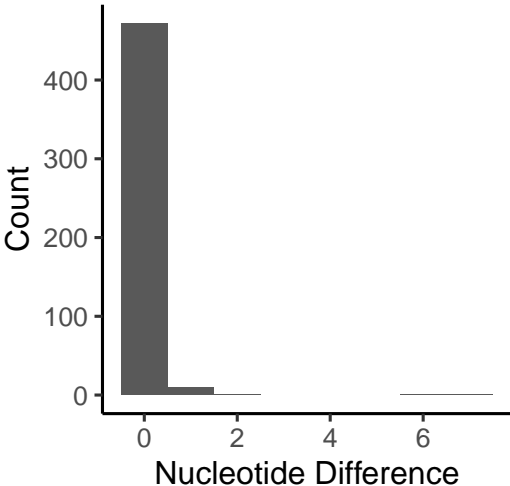
TRBV11-2*ap01

2109 sequences assigned
2079 (98.6%) exact matches, in which:
2052 unique CDR3
13 unique J



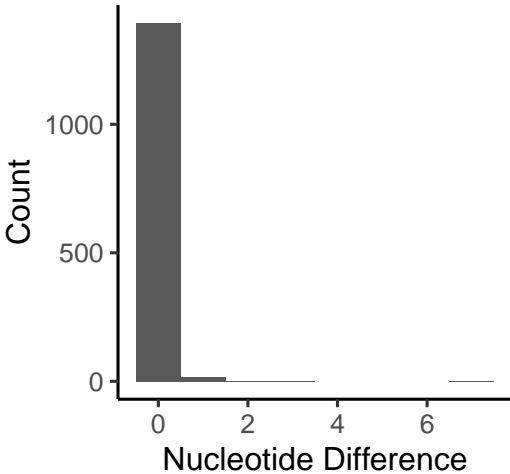
TRBV12-2*ap01

484 sequences assigned
472 (97.5%) exact matches, in which:
463 unique CDR3
13 unique J



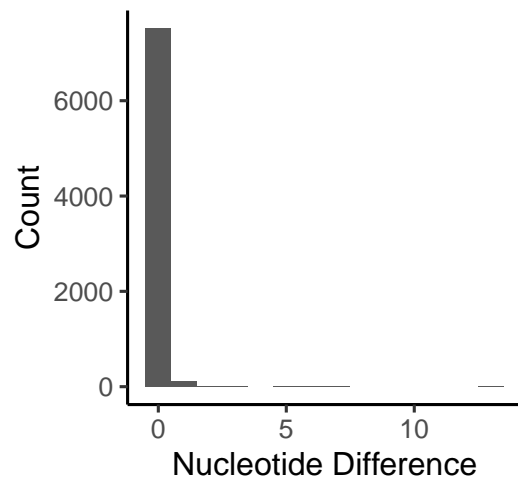
TRBV23-1*ap01

1416 sequences assigned
1394 (98.4%) exact matches, in which:
1367 unique CDR3
13 unique J



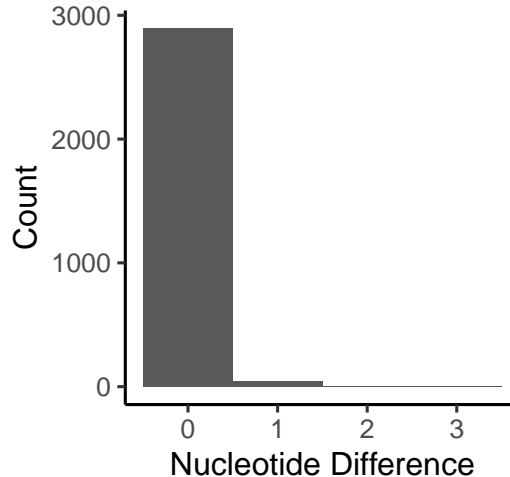
TRBV3–12*ap01

7633 sequences assigned
7517 (98.5%) exact matches, in which:
7389 unique CDR3
13 unique J



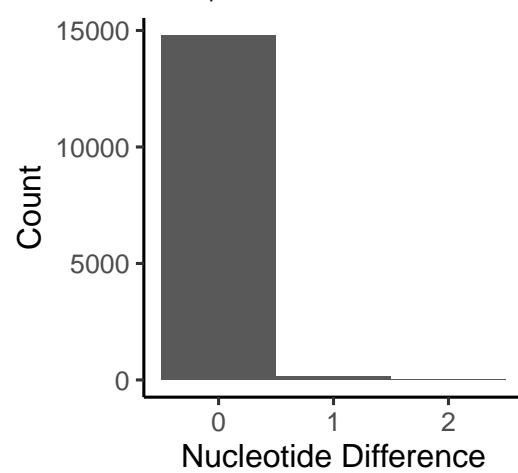
TRBV4–2*ap01

2942 sequences assigned
2894 (98.4%) exact matches, in which:
2843 unique CDR3
13 unique J



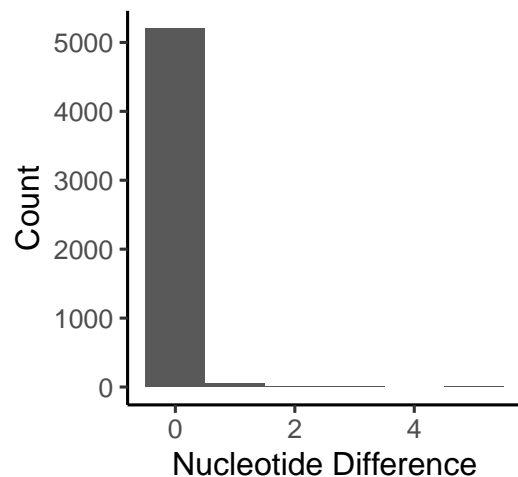
TRBV5–1*ap01

14968 sequences assigned
14800 (98.9%) exact matches, in which:
14467 unique CDR3
13 unique J



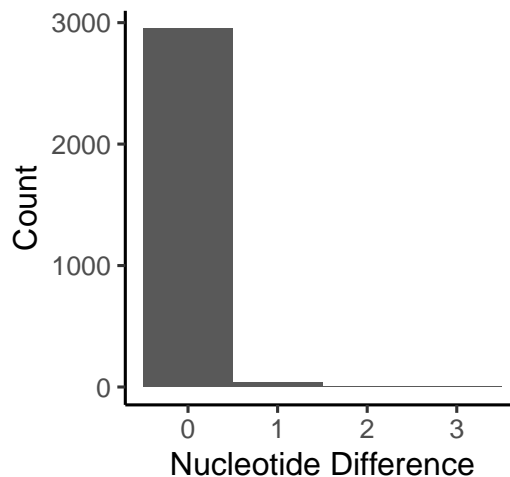
TRBV4–1*ap01

5248 sequences assigned
5199 (99.1%) exact matches, in which:
5095 unique CDR3
13 unique J



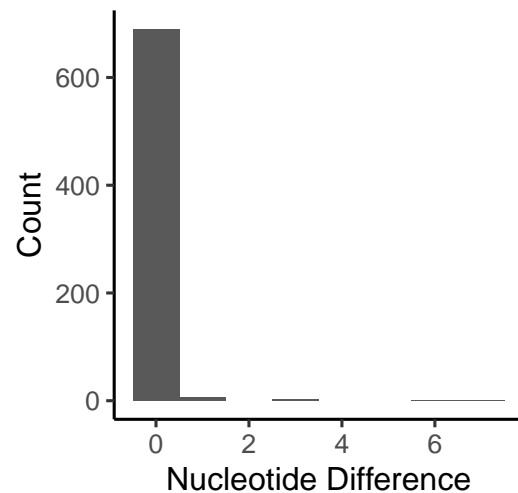
TRBV4–3*ap01

2996 sequences assigned
2950 (98.5%) exact matches, in which:
2900 unique CDR3
13 unique J



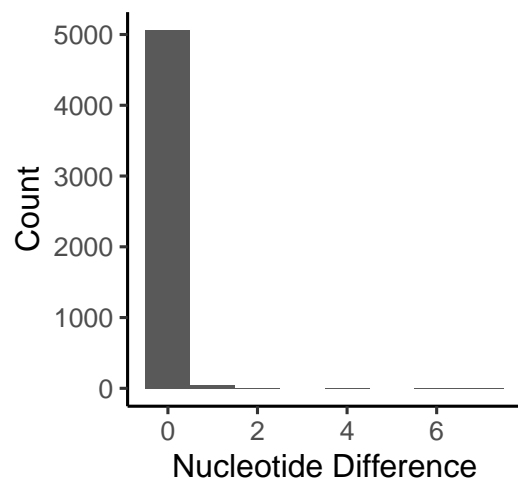
TRBV5–3*ap01

702 sequences assigned
690 (98.3%) exact matches, in which:
677 unique CDR3
13 unique J



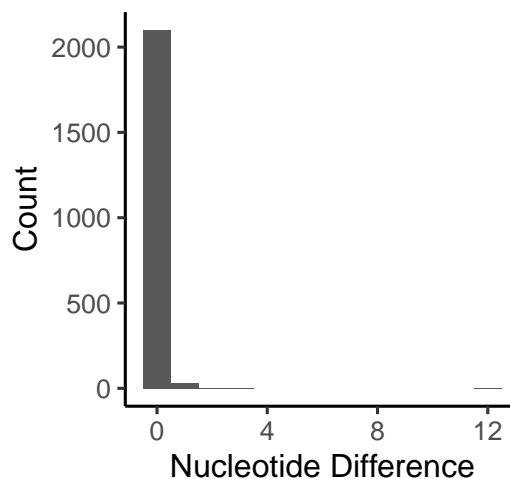
TRBV24–1*ap01

5121 sequences assigned
5063 (98.9%) exact matches, in which:
4991 unique CDR3
13 unique J



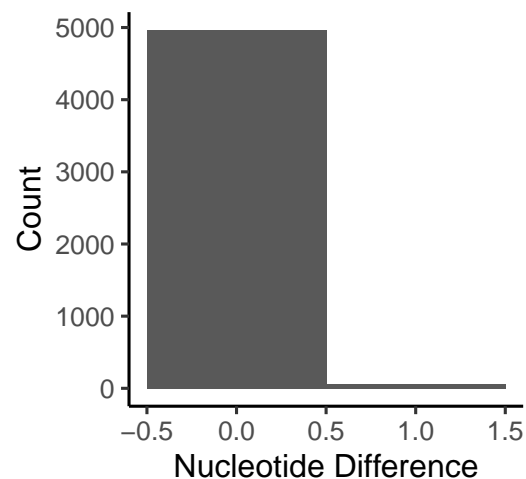
TRBV25–1*ap01

2138 sequences assigned
2100 (98.2%) exact matches, in which:
2078 unique CDR3
13 unique J



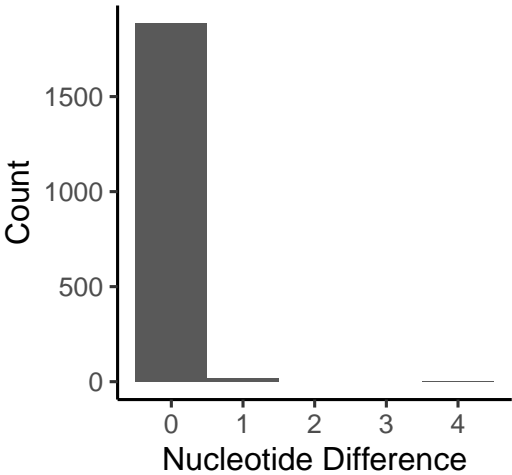
TRBV5–4*ap01

5026 sequences assigned
4965 (98.8%) exact matches, in which:
4859 unique CDR3
13 unique J



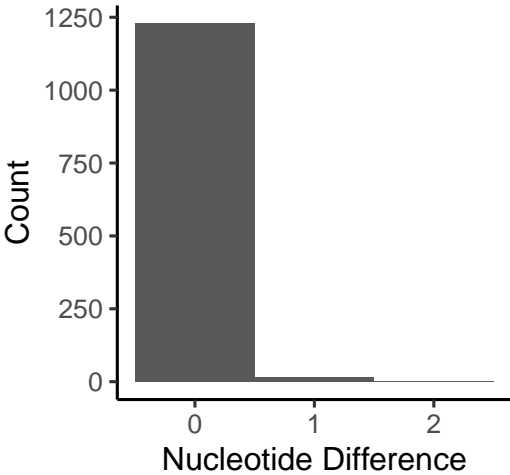
TRBV5-5*ap01

1903 sequences assigned
1885 (99.1%) exact matches, in which:
1846 unique CDR3
13 unique J



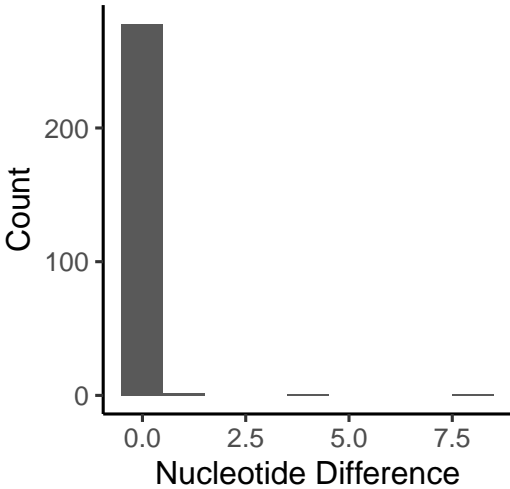
TRBV5-8*ap01

1247 sequences assigned
1229 (98.6%) exact matches, in which:
1207 unique CDR3
13 unique J



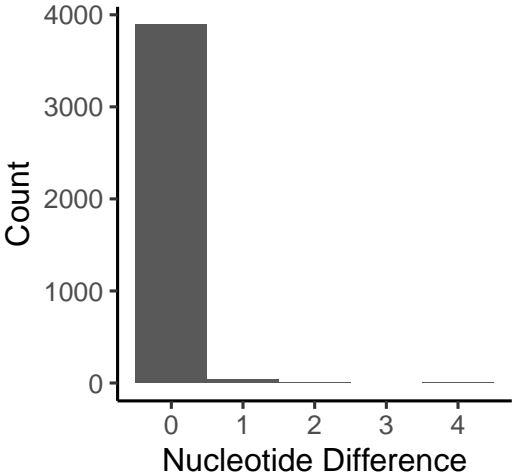
TRBV6-7*ap01

282 sequences assigned
278 (98.6%) exact matches, in which:
270 unique CDR3
13 unique J



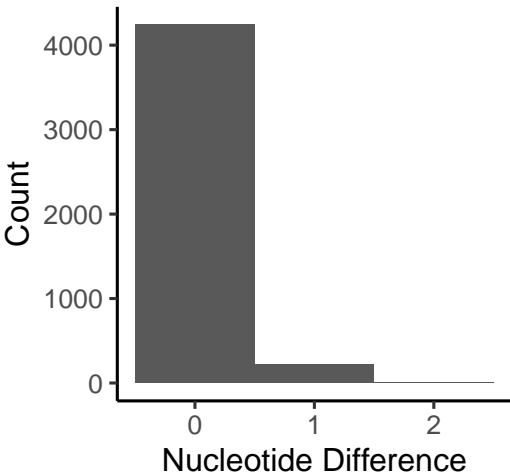
TRBV5-6*ap01

3933 sequences assigned
3892 (99%) exact matches, in which:
3813 unique CDR3
13 unique J



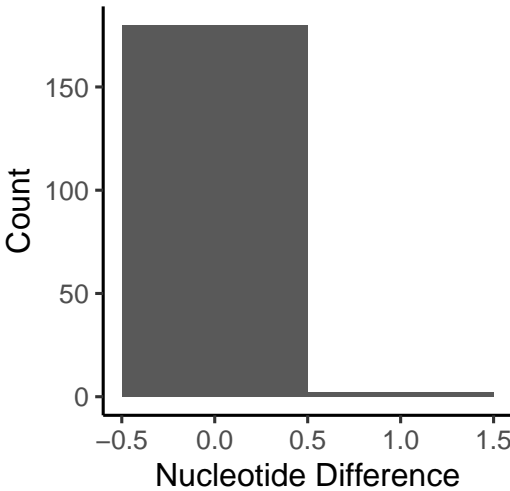
TRBV6-1*ap01

4466 sequences assigned
4242 (95%) exact matches, in which:
4149 unique CDR3
13 unique J



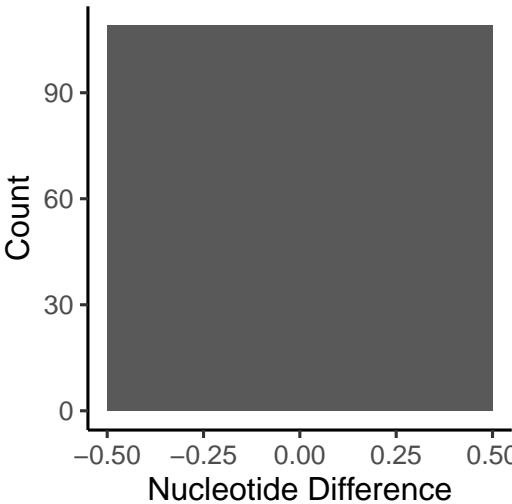
TRBV6-8*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
177 unique CDR3
13 unique J



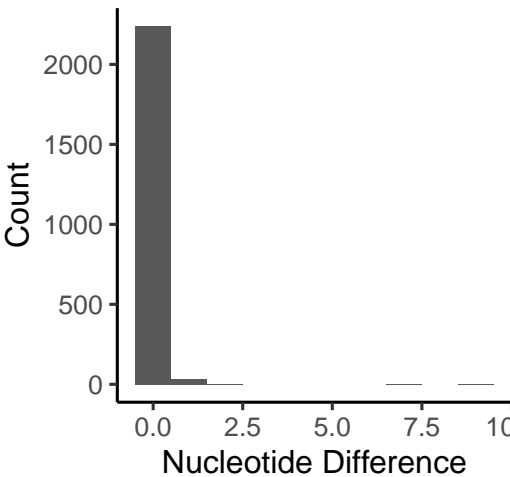
TRBV5-7*ap01

109 sequences assigned
109 (100%) exact matches, in which:
109 unique CDR3
13 unique J



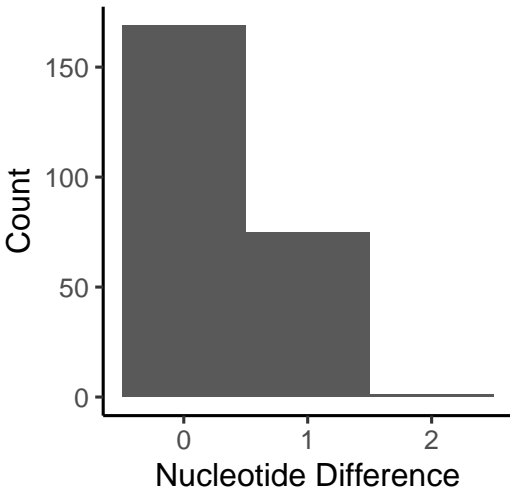
TRBV6-4*ap01

2275 sequences assigned
2240 (98.5%) exact matches, in which:
2194 unique CDR3
13 unique J



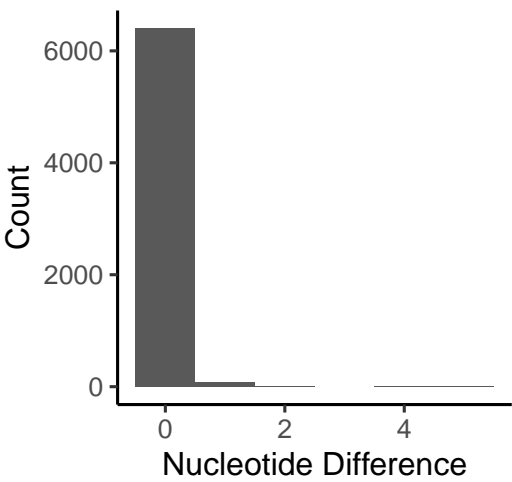
TRBV6-9*ap01

245 sequences assigned
169 (69%) exact matches, in which:
164 unique CDR3
13 unique J



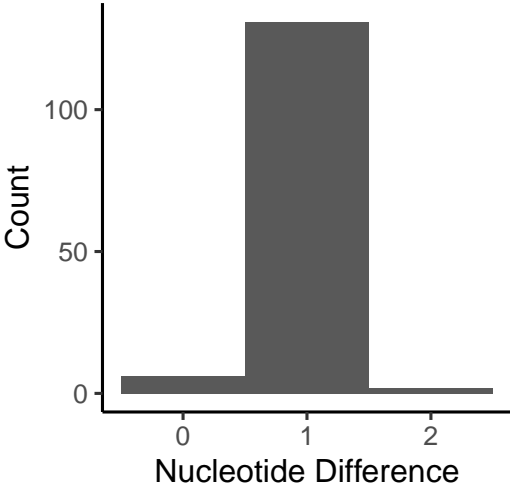
TRBV6-23*ap01

6481 sequences assigned
6401 (98.8%) exact matches, in which:
6281 unique CDR3
13 unique J



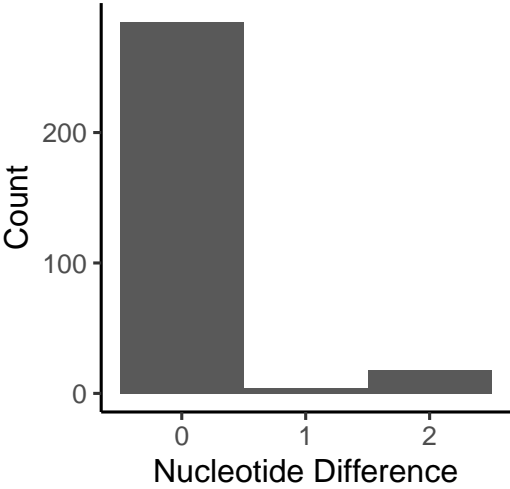
TRBV7-1*ap01_T296C

139 sequences assigned
6 (4.3%) exact matches, in which:
6 unique CDR3
4 unique J



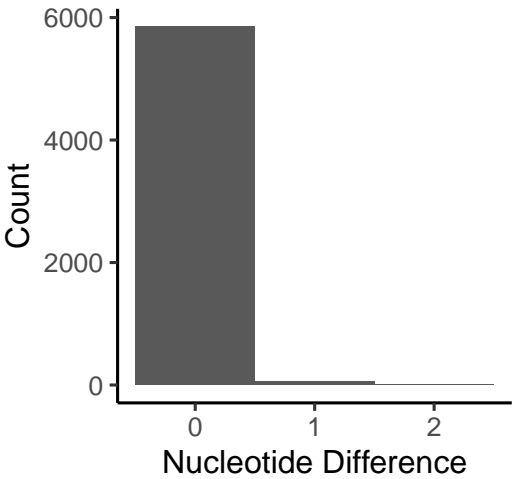
TRBV7-4*ap01

307 sequences assigned
285 (92.8%) exact matches, in which:
276 unique CDR3
13 unique J



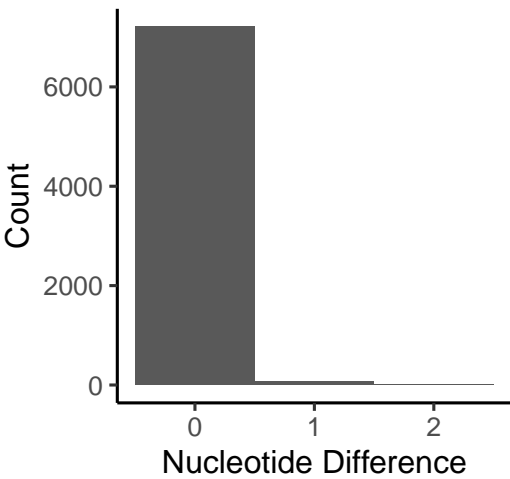
TRBV6-56*ap01

5912 sequences assigned
5850 (99%) exact matches, in which:
5733 unique CDR3
13 unique J



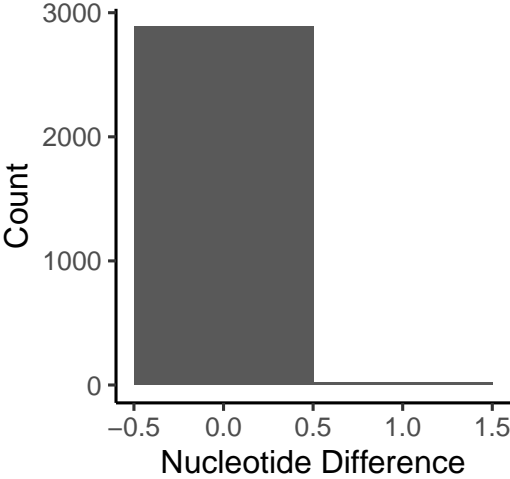
TRBV7-2*ap01

7287 sequences assigned
7211 (99%) exact matches, in which:
7091 unique CDR3
13 unique J



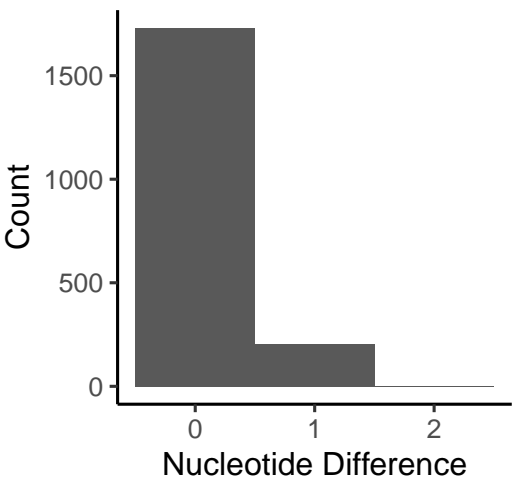
TRBV7-6*ap01

2910 sequences assigned
2887 (99.2%) exact matches, in which:
2842 unique CDR3
13 unique J



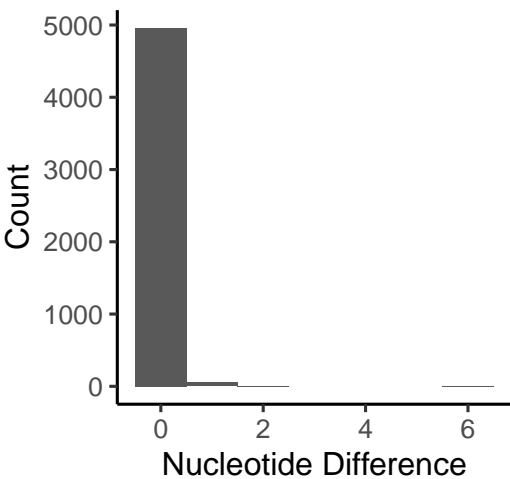
TRBV6-56*ap02

1936 sequences assigned
1730 (89.4%) exact matches, in which:
1696 unique CDR3
13 unique J



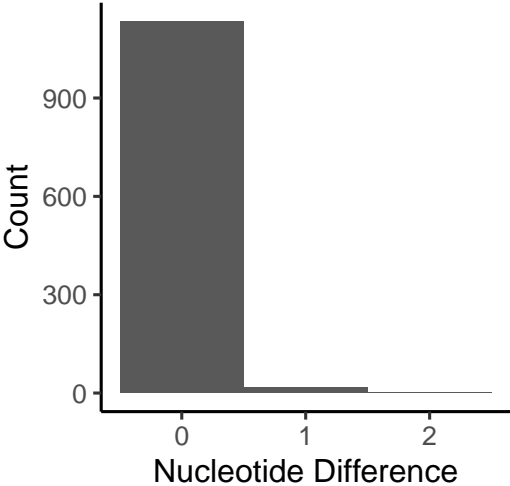
TRBV7-3*ap01

5013 sequences assigned
4958 (98.9%) exact matches, in which:
4888 unique CDR3
13 unique J



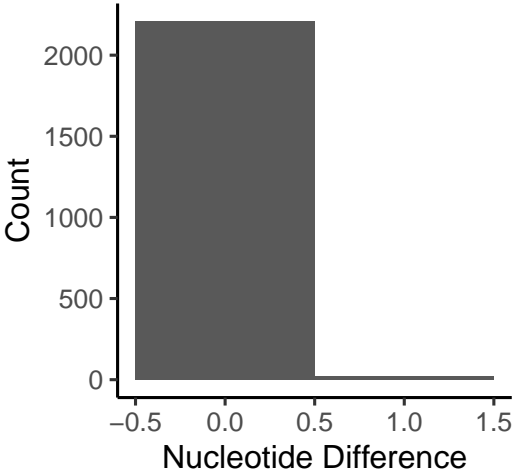
TRBV7-7*ap01_C315T

1151 sequences assigned
1134 (98.5%) exact matches, in which:
1108 unique CDR3
13 unique J



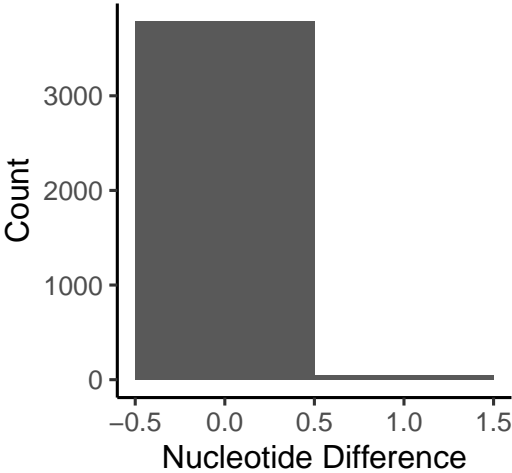
TRBV7-8*ap01

2232 sequences assigned
2208 (98.9%) exact matches, in which:
2170 unique CDR3
13 unique J



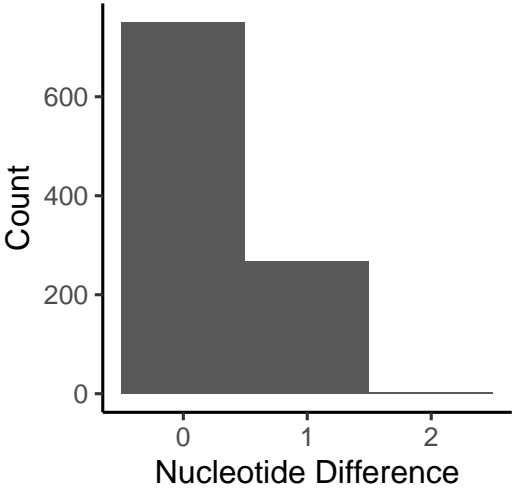
TRBV29-1*ap01

3831 sequences assigned
3786 (98.8%) exact matches, in which:
3727 unique CDR3
13 unique J



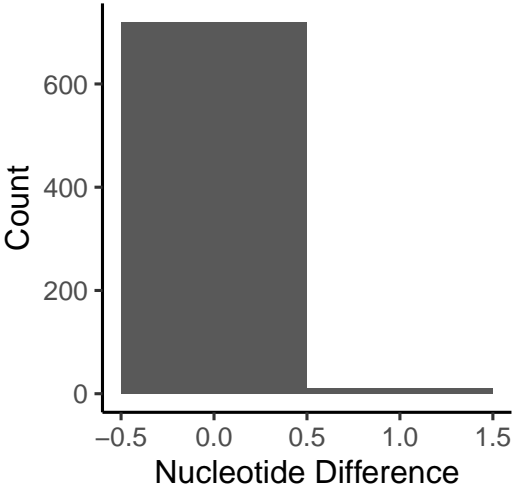
TRBV7-8*ap03

1022 sequences assigned
751 (73.5%) exact matches, in which:
738 unique CDR3
13 unique J



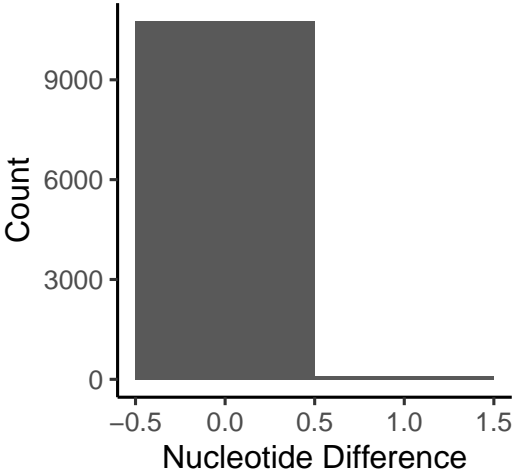
TRBV29-1*ap02

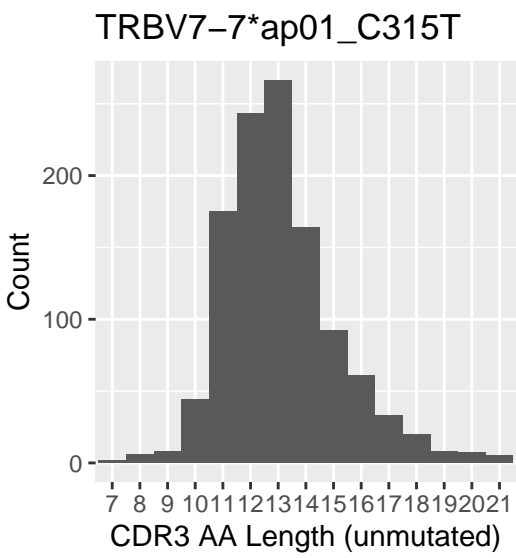
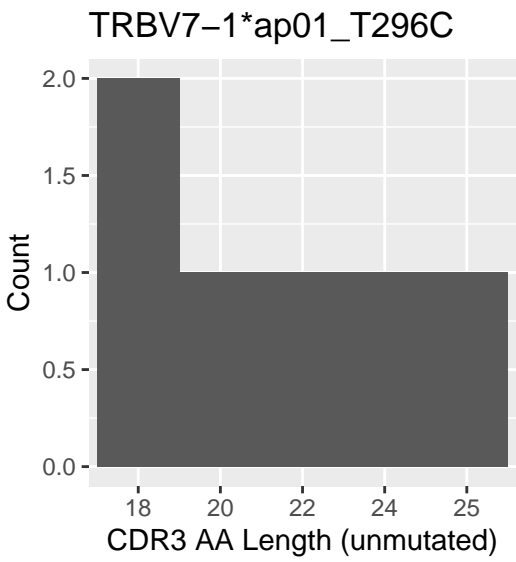
730 sequences assigned
720 (98.6%) exact matches, in which:
708 unique CDR3
13 unique J



TRBV7-9*ap01

10864 sequences assigned
10765 (99.1%) exact matches, in which:
10604 unique CDR3
13 unique J







[illegible]