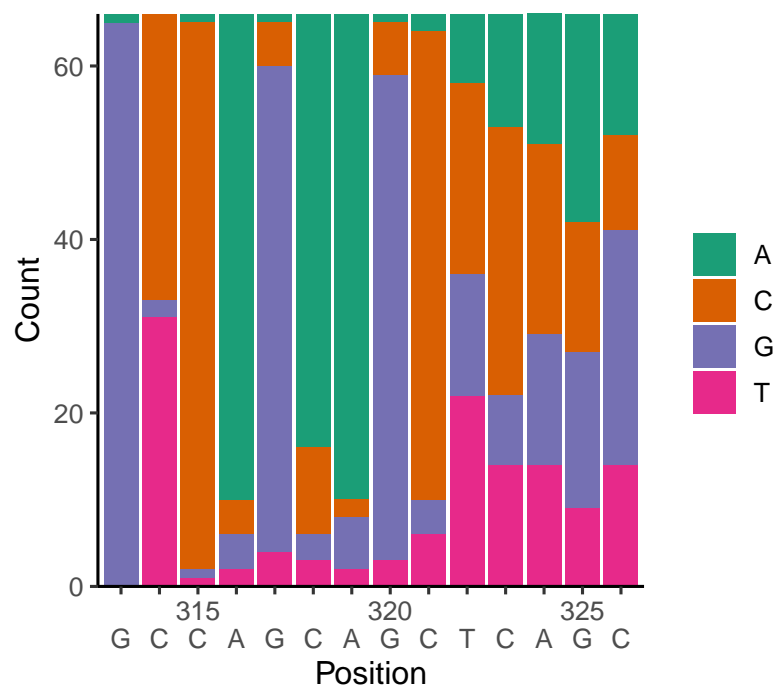
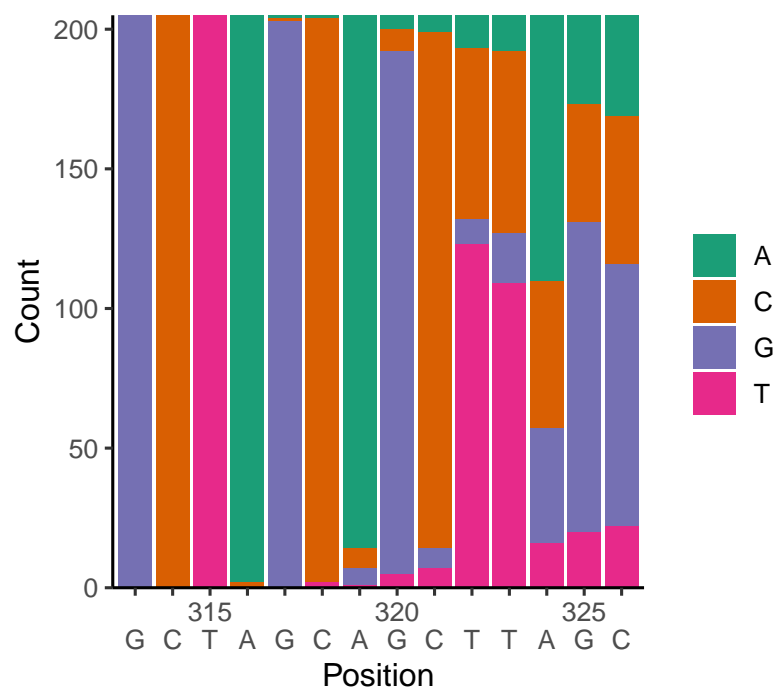


Gene TRBV7-1*ap01_T296C



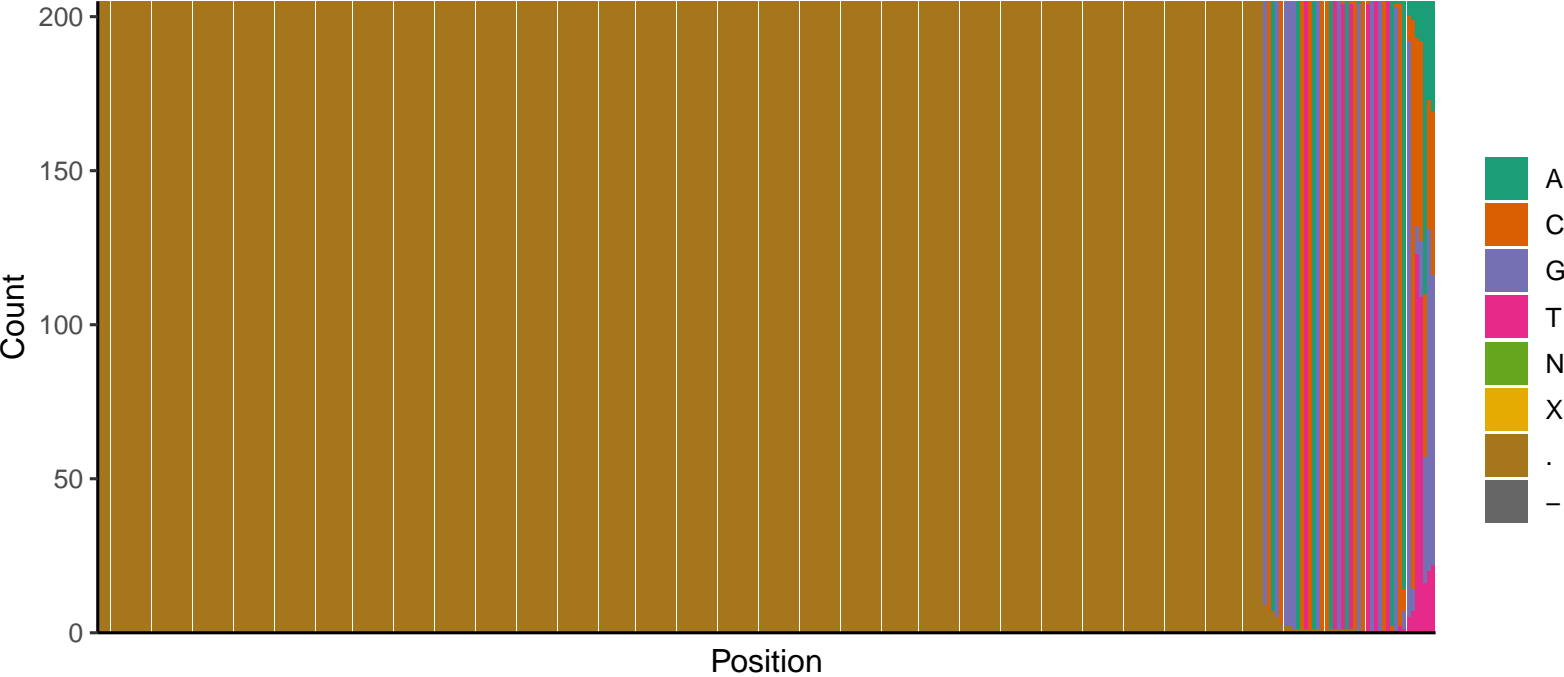
Gene TRBV7-7*ap01_C315T



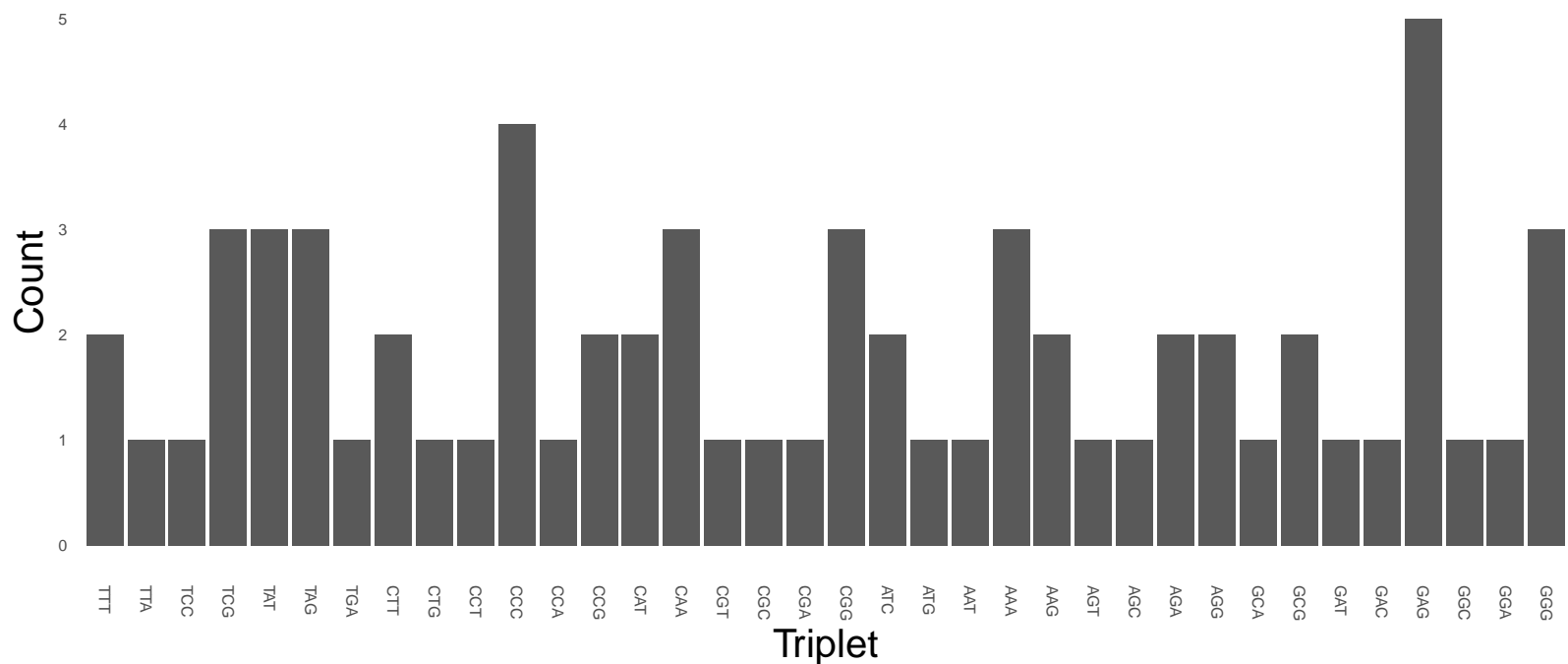
Gene TRBV7-1*ap01_T296C



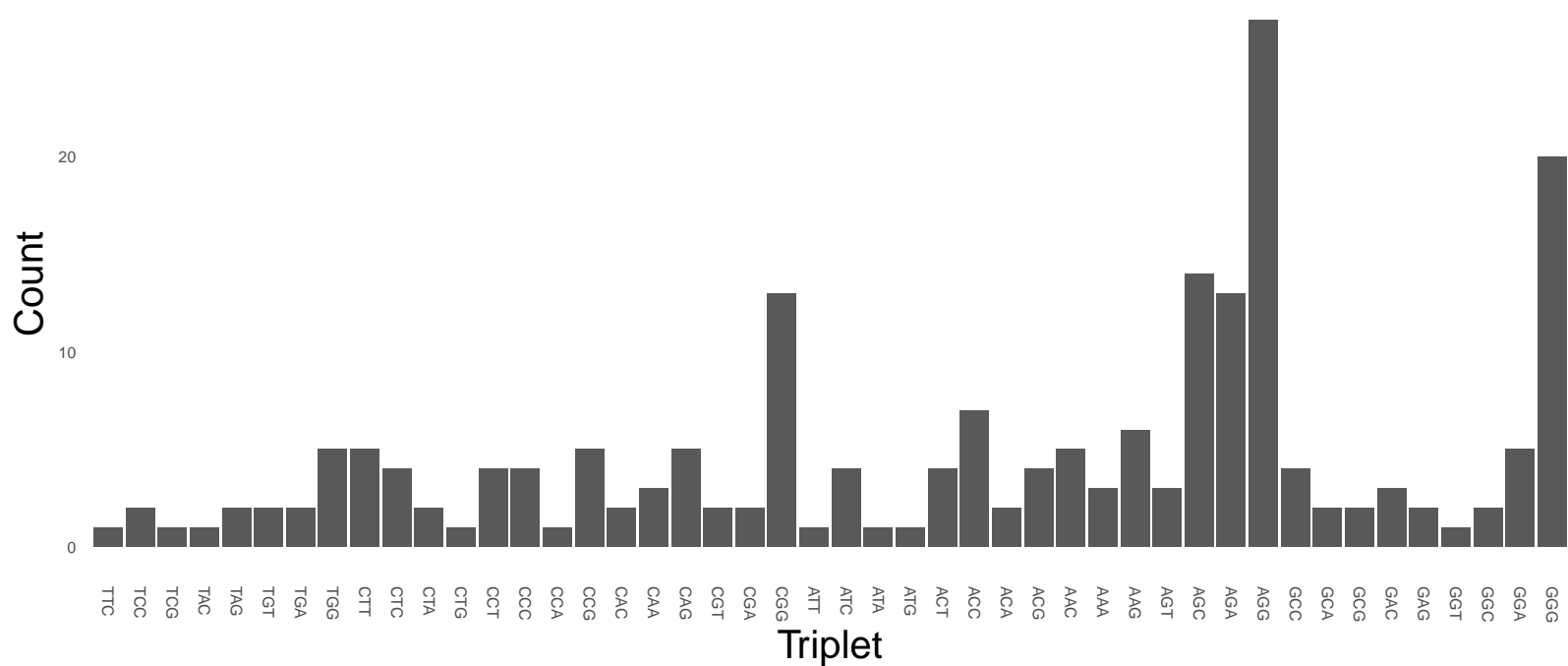
Gene TRBV7-7*ap01_C315T



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

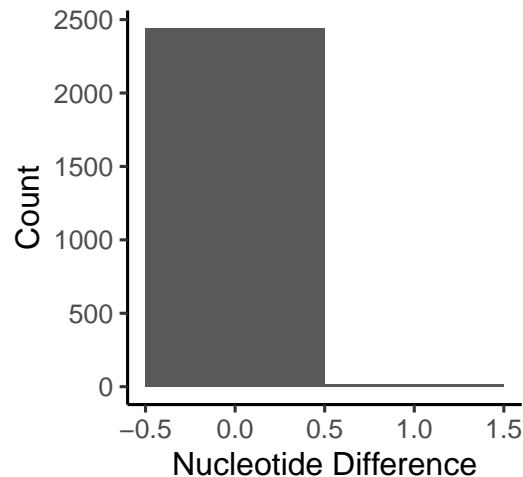


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



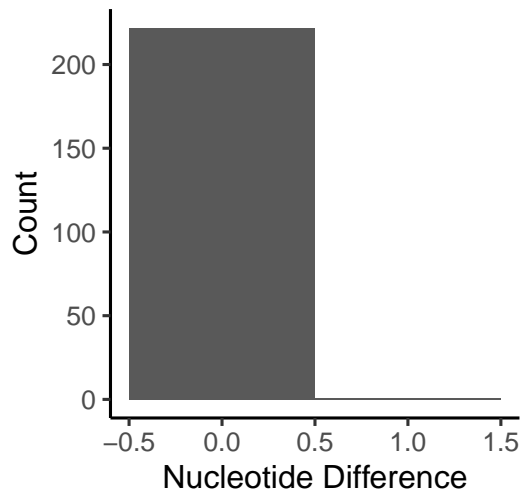
TRBV20–1*ap01

2457 sequences assigned
2440 (99.3%) exact matches, in which:
2405 unique CDR3
13 unique J



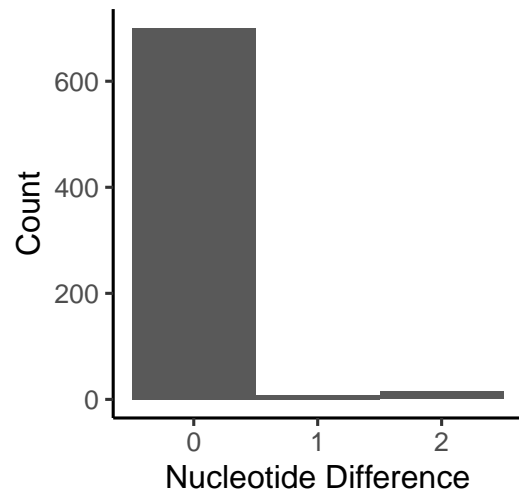
TRBV10–2*ap01

223 sequences assigned
222 (99.6%) exact matches, in which:
217 unique CDR3
13 unique J



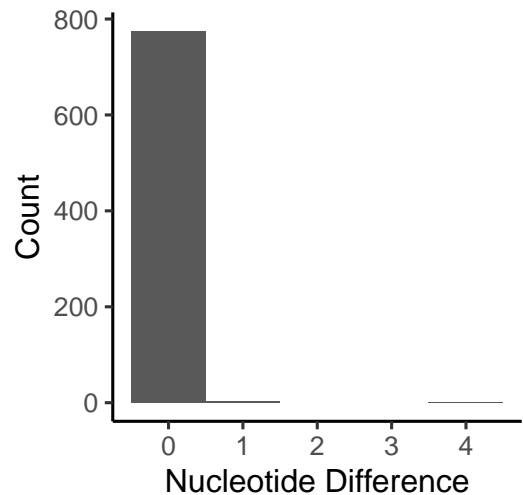
TRBV13*ap01

725 sequences assigned
701 (96.7%) exact matches, in which:
685 unique CDR3
13 unique J



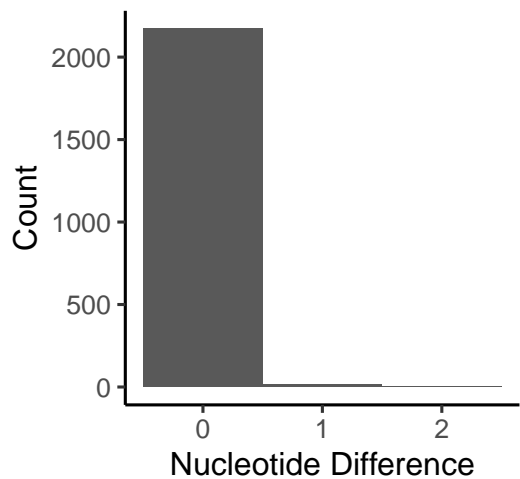
TRBV10–1*ap01

780 sequences assigned
775 (99.4%) exact matches, in which:
760 unique CDR3
13 unique J



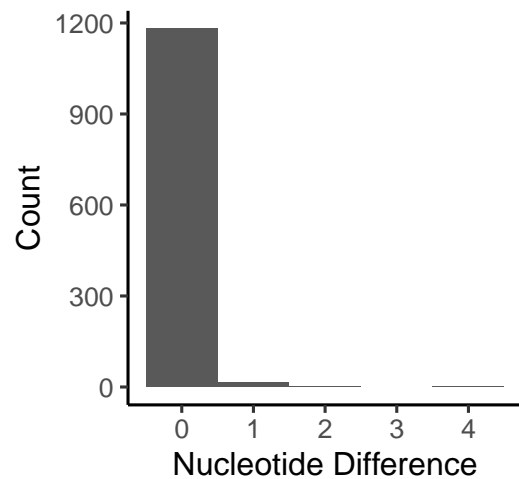
TRBV10–3*ap01

2188 sequences assigned
2172 (99.3%) exact matches, in which:
2140 unique CDR3
13 unique J



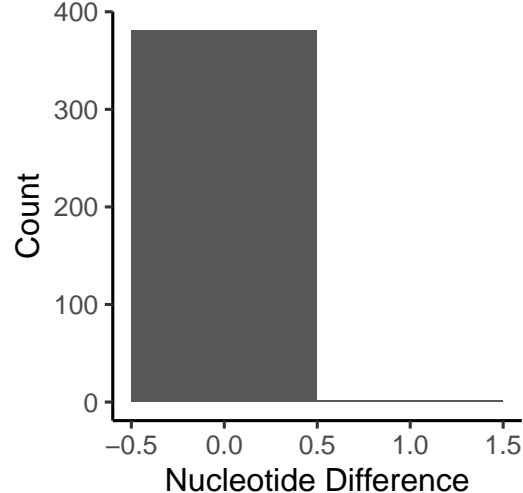
TRBV14*ap01

1199 sequences assigned
1181 (98.5%) exact matches, in which:
1169 unique CDR3
13 unique J



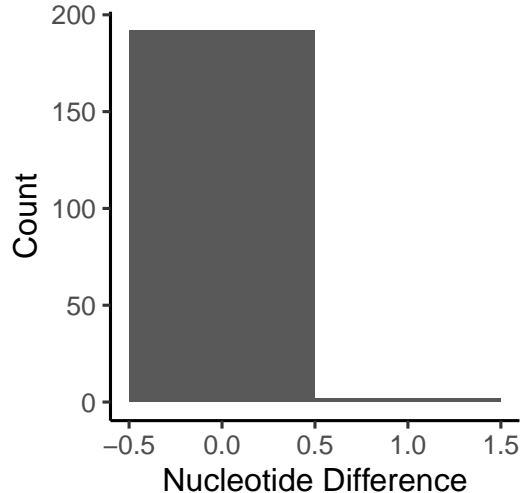
TRBV20–1*ap02

383 sequences assigned
381 (99.5%) exact matches, in which:
373 unique CDR3
13 unique J



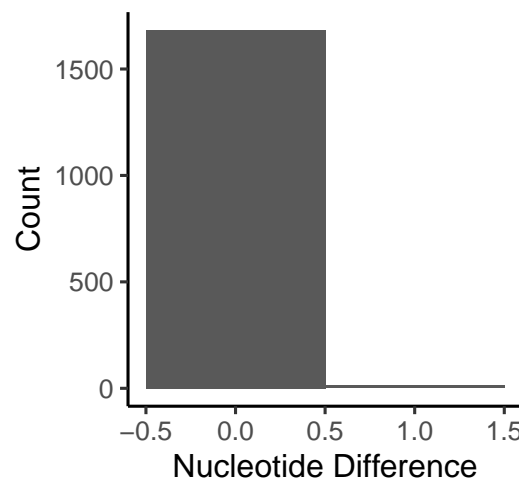
TRBV1*ap01

194 sequences assigned
192 (99%) exact matches, in which:
189 unique CDR3
13 unique J



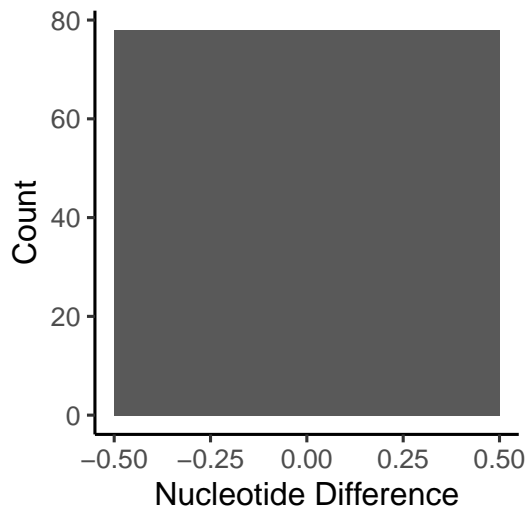
TRBV15*ap02

1697 sequences assigned
1683 (99.2%) exact matches, in which:
1659 unique CDR3
13 unique J



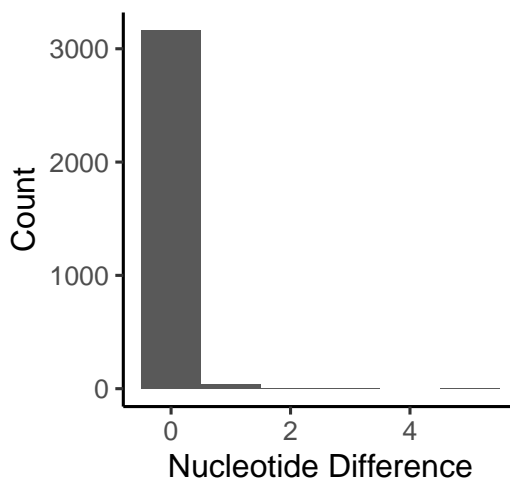
TRBV16*ap01

78 sequences assigned
78 (100%) exact matches, in which:
78 unique CDR3
12 unique J



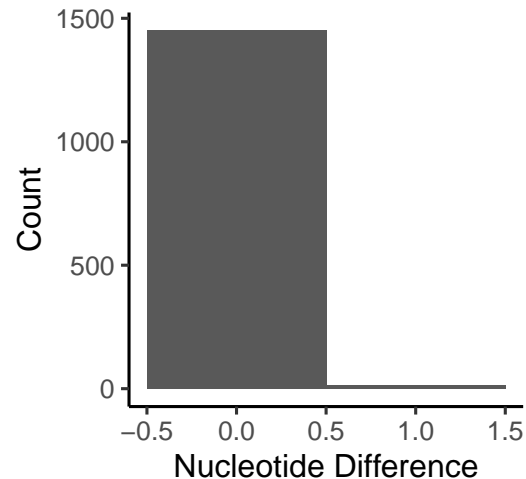
TRBV2*ap01

3203 sequences assigned
3162 (98.7%) exact matches, in which:
3101 unique CDR3
13 unique J



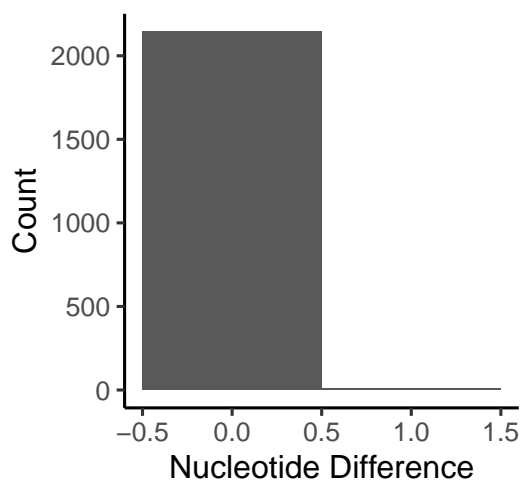
TRBV30*ap01

1467 sequences assigned
1451 (98.9%) exact matches, in which:
1417 unique CDR3
13 unique J



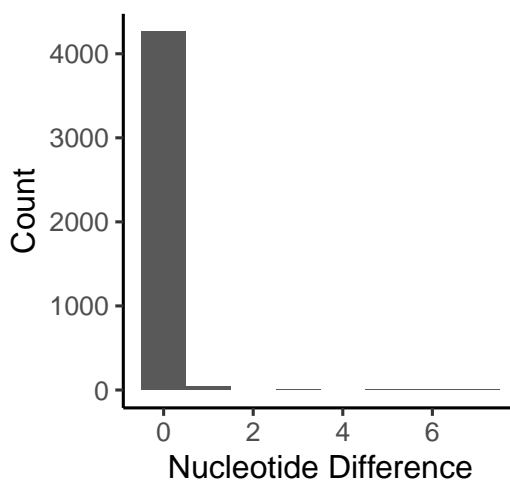
TRBV18*ap01

2150 sequences assigned
2144 (99.7%) exact matches, in which:
2130 unique CDR3
13 unique J



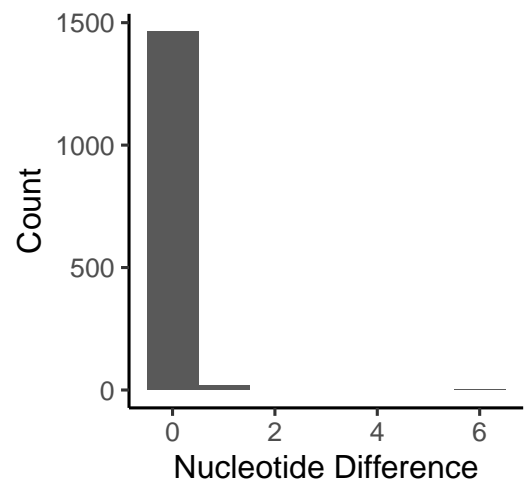
TRBV27*ap01

4307 sequences assigned
4262 (99%) exact matches, in which:
4160 unique CDR3
13 unique J



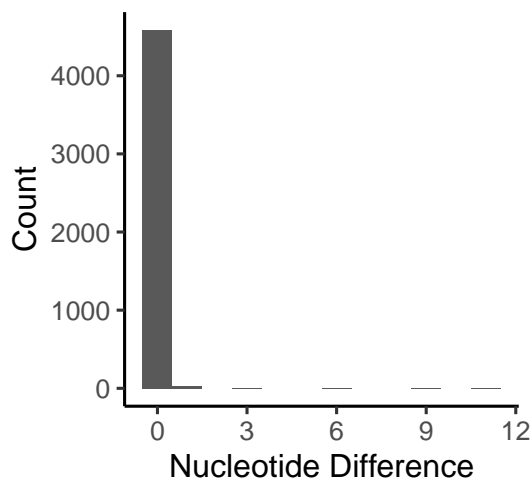
TRBV30*ap02

1482 sequences assigned
1463 (98.7%) exact matches, in which:
1429 unique CDR3
13 unique J



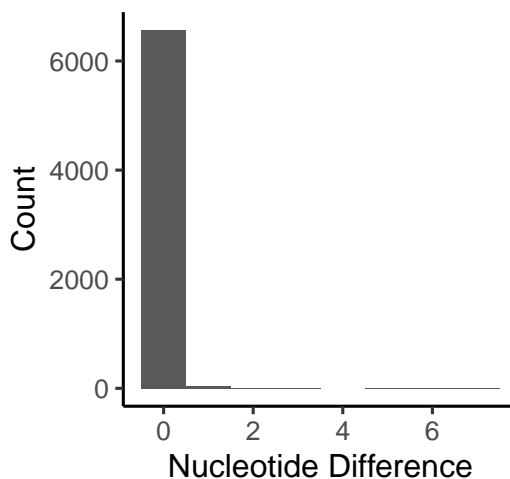
TRBV19*ap01

4617 sequences assigned
4585 (99.3%) exact matches, in which:
4557 unique CDR3
13 unique J



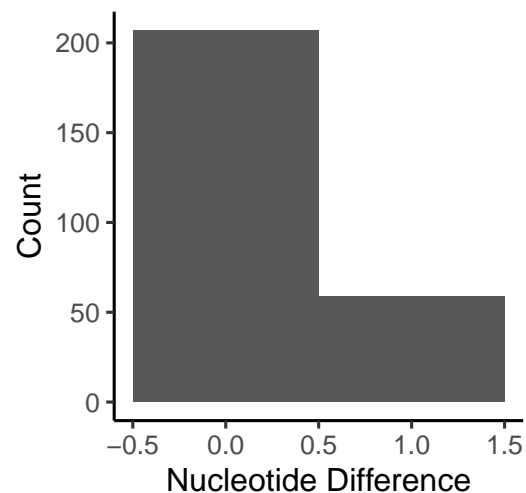
TRBV28*ap01

6613 sequences assigned
6567 (99.3%) exact matches, in which:
6500 unique CDR3
13 unique J



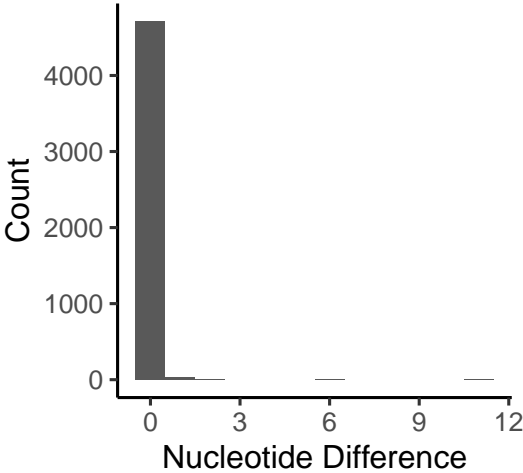
TRBV30*ap03

266 sequences assigned
207 (77.8%) exact matches, in which:
202 unique CDR3
13 unique J



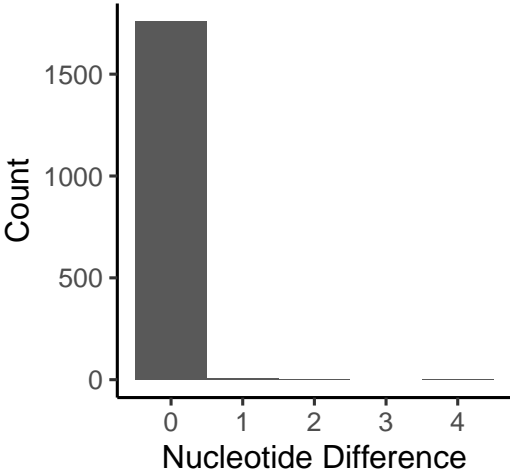
TRBV9*ap01

4745 sequences assigned
4711 (99.3%) exact matches, in which:
4651 unique CDR3
13 unique J



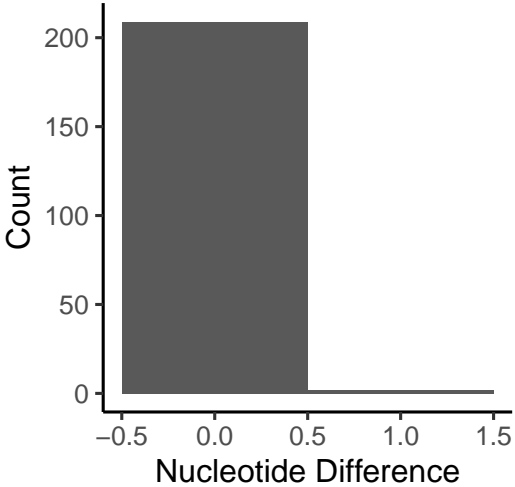
TRBV11-2*ap01

1767 sequences assigned
1759 (99.5%) exact matches, in which:
1744 unique CDR3
13 unique J



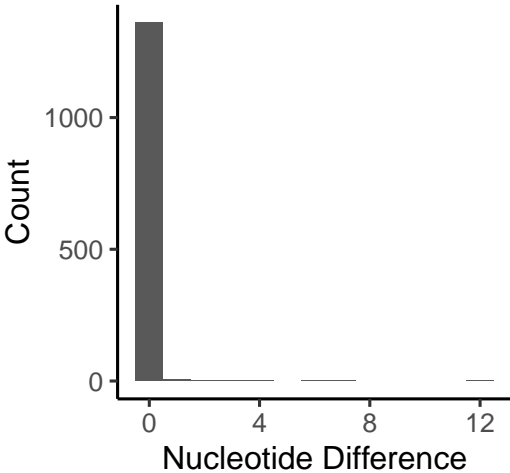
TRBV12-2*ap01

211 sequences assigned
209 (99.1%) exact matches, in which:
206 unique CDR3
13 unique J



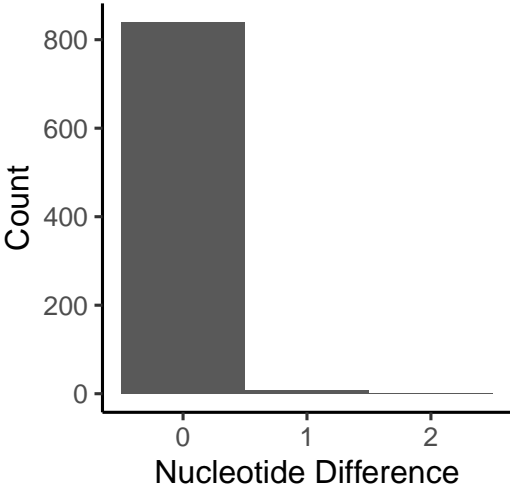
TRBV21-1*ap01

1376 sequences assigned
1360 (98.8%) exact matches, in which:
1347 unique CDR3
13 unique J



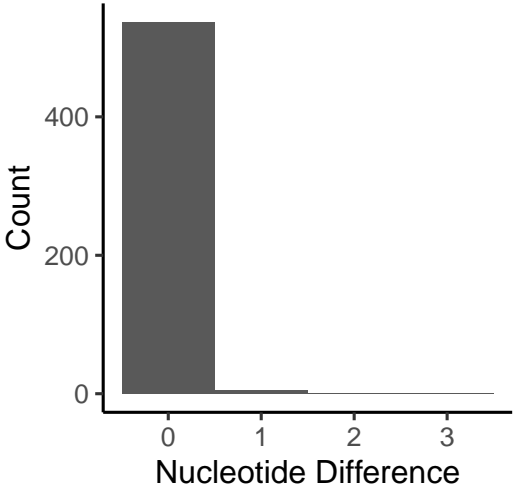
TRBV11-3*ap01

848 sequences assigned
840 (99.1%) exact matches, in which:
829 unique CDR3
13 unique J



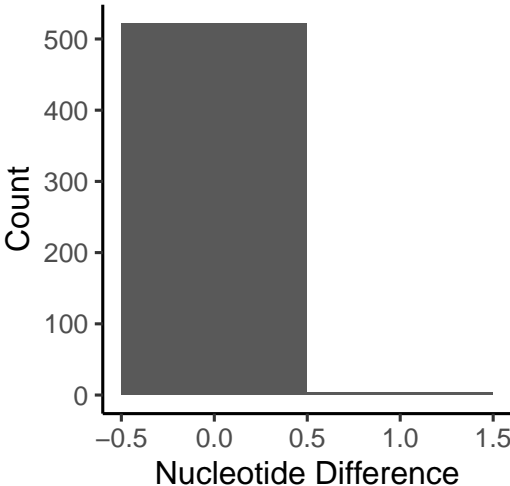
TRBV12-5*ap01

544 sequences assigned
537 (98.7%) exact matches, in which:
536 unique CDR3
13 unique J



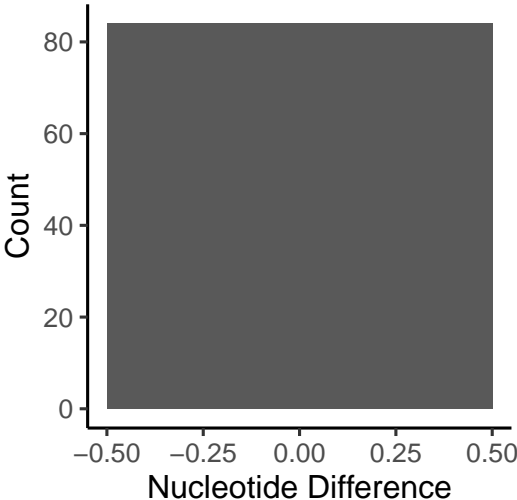
TRBV11-1*ap01

525 sequences assigned
522 (99.4%) exact matches, in which:
514 unique CDR3
13 unique J



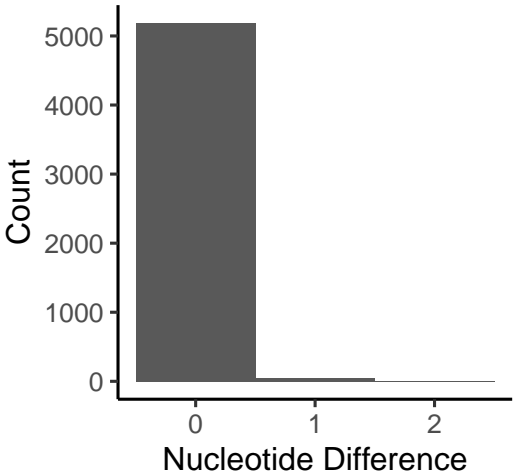
TRBV12-1*ap01

84 sequences assigned
84 (100%) exact matches, in which:
84 unique CDR3
12 unique J



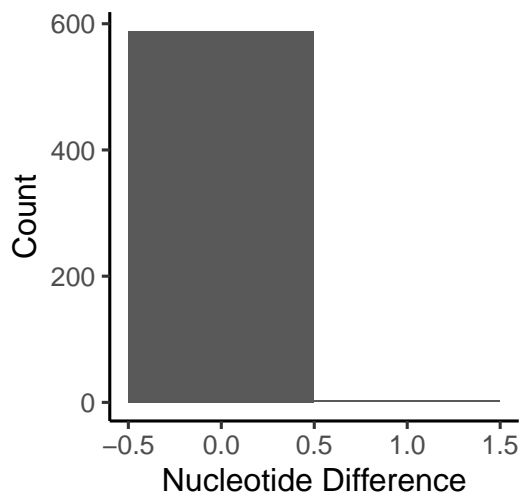
TRBV12-34*ap01

5233 sequences assigned
5187 (99.1%) exact matches, in which:
5098 unique CDR3
13 unique J



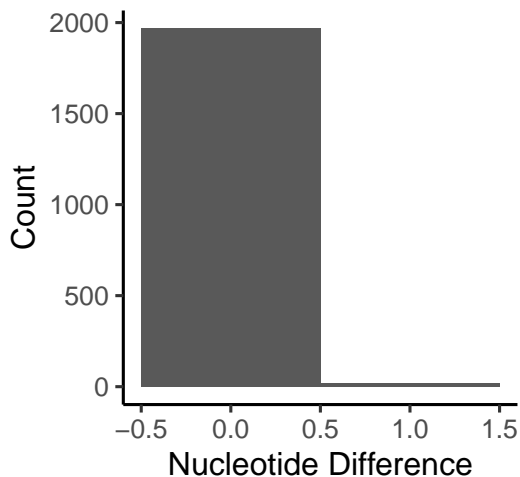
TRBV23-1*ap01

592 sequences assigned
589 (99.5%) exact matches, in which:
583 unique CDR3
13 unique J



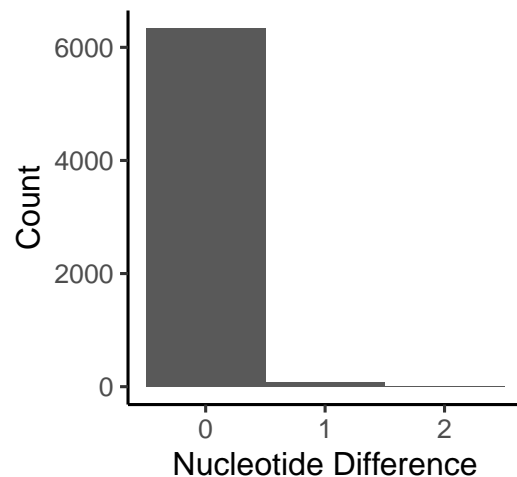
TRBV24-1*ap01

1988 sequences assigned
1968 (99%) exact matches, in which:
1928 unique CDR3
13 unique J



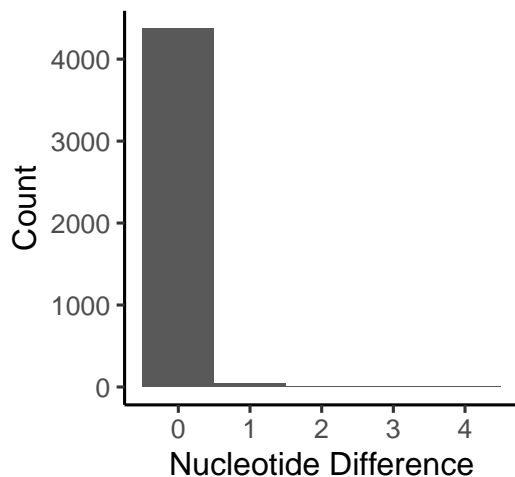
TRBV5-1*ap01

6407 sequences assigned
6335 (98.9%) exact matches, in which:
6155 unique CDR3
13 unique J



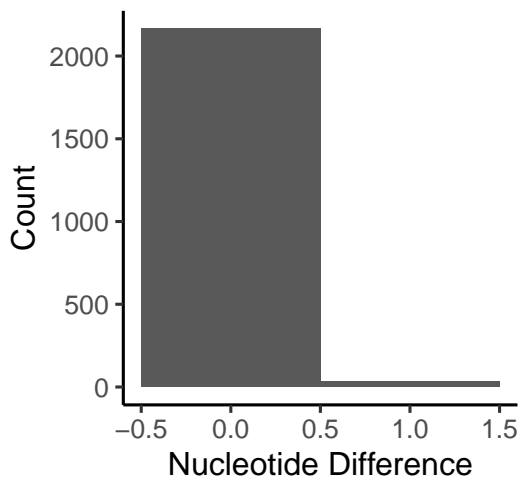
TRBV3-12*ap01

4416 sequences assigned
4371 (99%) exact matches, in which:
4290 unique CDR3
13 unique J



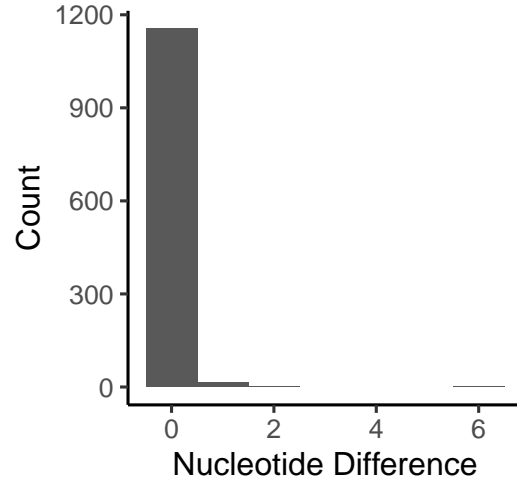
TRBV4-2*ap01

2196 sequences assigned
2165 (98.6%) exact matches, in which:
2106 unique CDR3
13 unique J



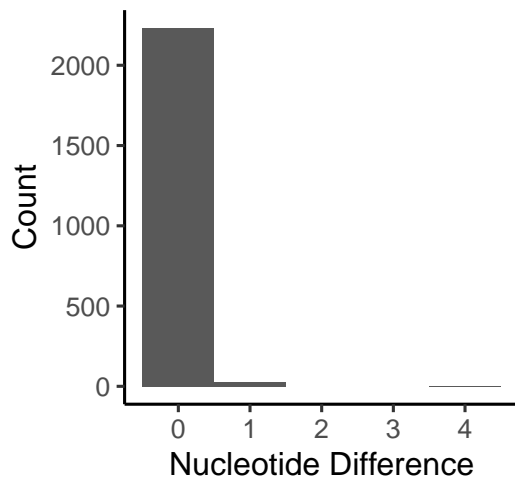
TRBV25-1*ap01

1172 sequences assigned
1155 (98.5%) exact matches, in which:
1126 unique CDR3
13 unique J



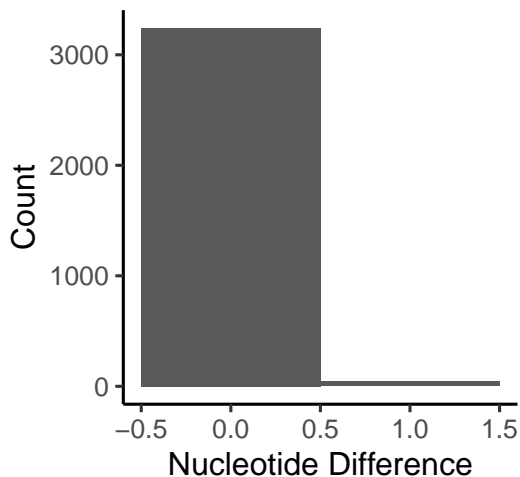
TRBV4-1*ap01

2260 sequences assigned
2232 (98.8%) exact matches, in which:
2176 unique CDR3
13 unique J



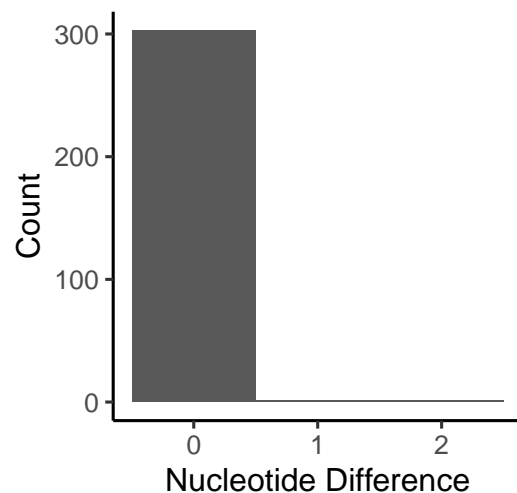
TRBV4-3*ap01

3285 sequences assigned
3242 (98.7%) exact matches, in which:
3185 unique CDR3
13 unique J



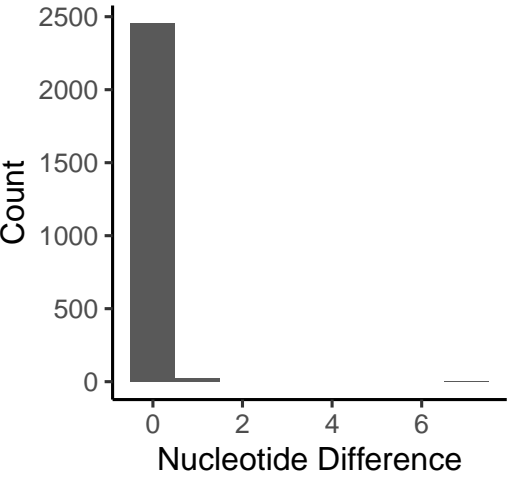
TRBV5-3*ap01

305 sequences assigned
303 (99.3%) exact matches, in which:
301 unique CDR3
13 unique J



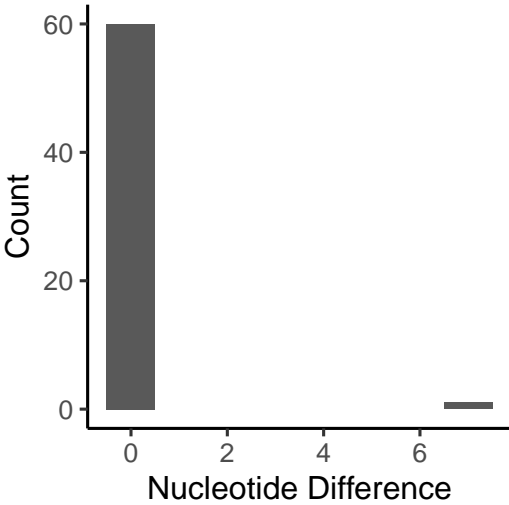
TRBV5-4*ap01

2478 sequences assigned
2454 (99%) exact matches, in which:
2398 unique CDR3
13 unique J



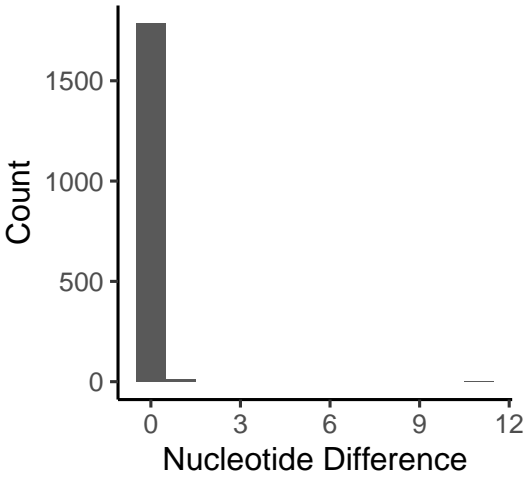
TRBV5-7*ap01

61 sequences assigned
60 (98.4%) exact matches, in which:
57 unique CDR3
12 unique J



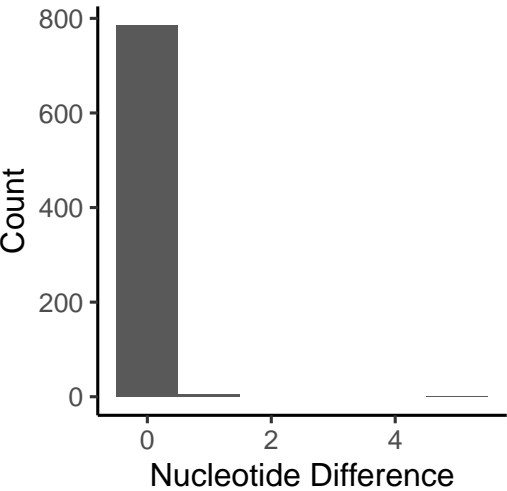
TRBV6-4*ap01

1801 sequences assigned
1786 (99.2%) exact matches, in which:
1774 unique CDR3
13 unique J



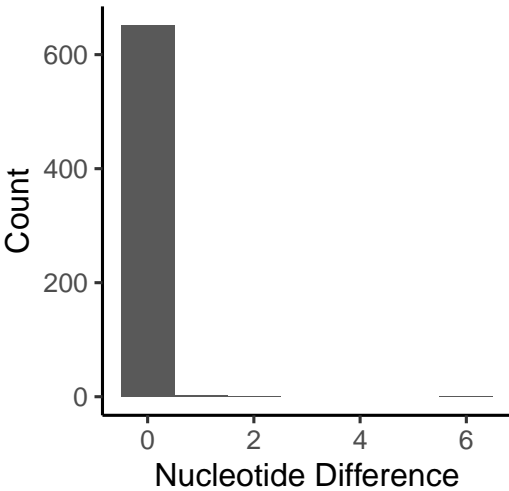
TRBV5-5*ap01

792 sequences assigned
786 (99.2%) exact matches, in which:
784 unique CDR3
13 unique J



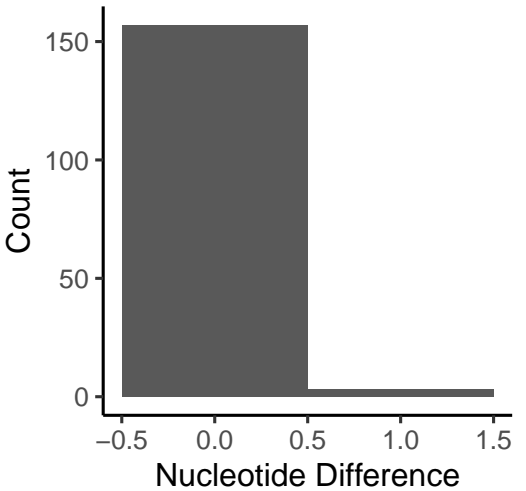
TRBV5-8*ap01

657 sequences assigned
652 (99.2%) exact matches, in which:
647 unique CDR3
13 unique J



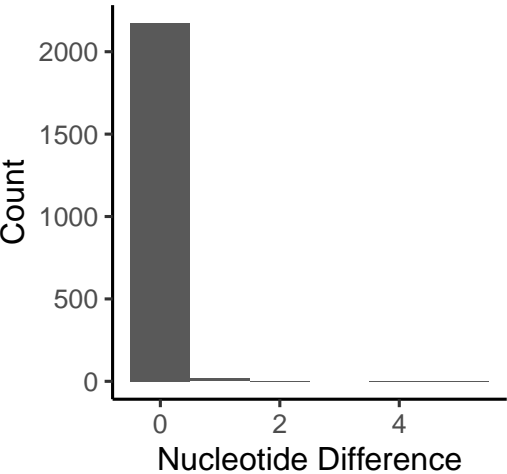
TRBV6-7*ap01

160 sequences assigned
157 (98.1%) exact matches, in which:
155 unique CDR3
13 unique J



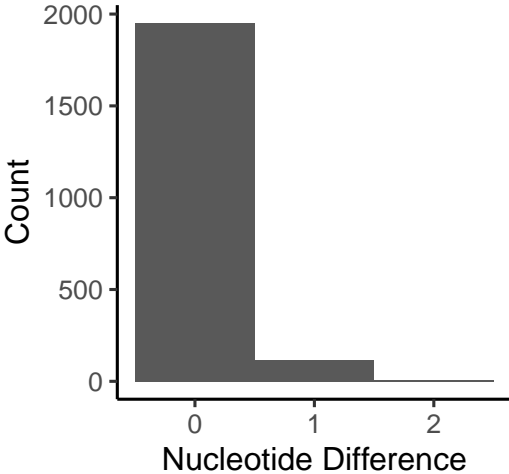
TRBV5-6*ap01

2195 sequences assigned
2174 (99%) exact matches, in which:
2120 unique CDR3
13 unique J



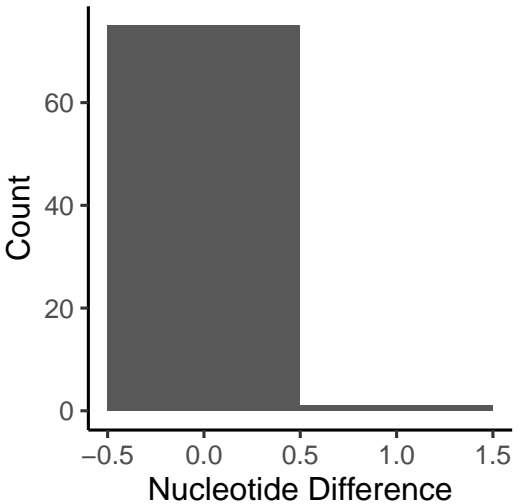
TRBV6-1*ap01

2074 sequences assigned
1951 (94.1%) exact matches, in which:
1894 unique CDR3
13 unique J



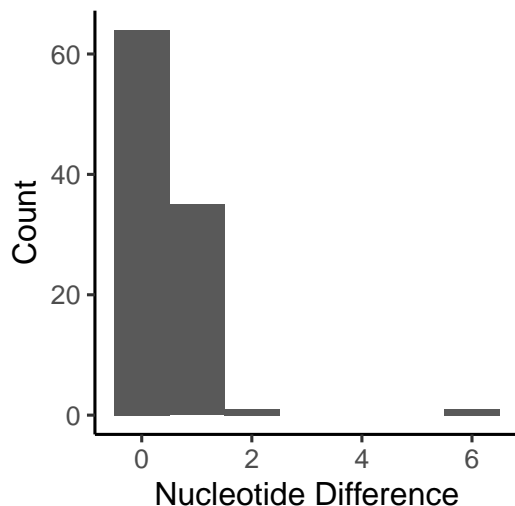
TRBV6-8*ap01

76 sequences assigned
75 (98.7%) exact matches, in which:
74 unique CDR3
11 unique J



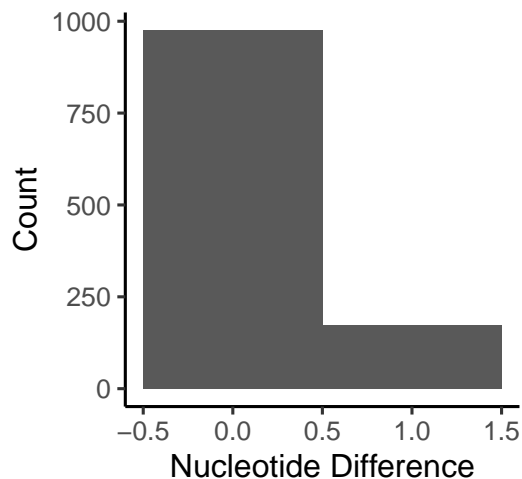
TRBV6-9*ap01

101 sequences assigned
64 (63.4%) exact matches, in which:
64 unique CDR3
13 unique J



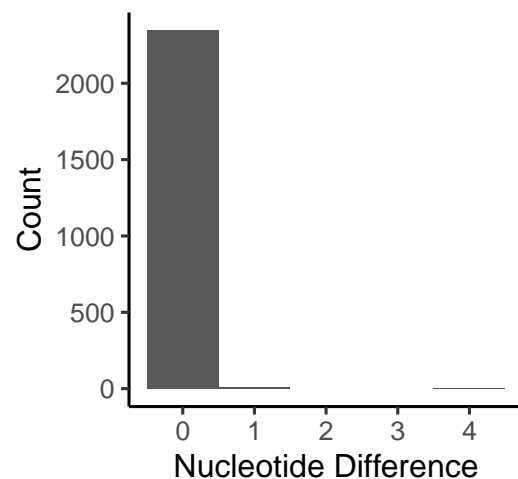
TRBV6-56*ap02

1148 sequences assigned
975 (84.9%) exact matches, in which:
954 unique CDR3
13 unique J



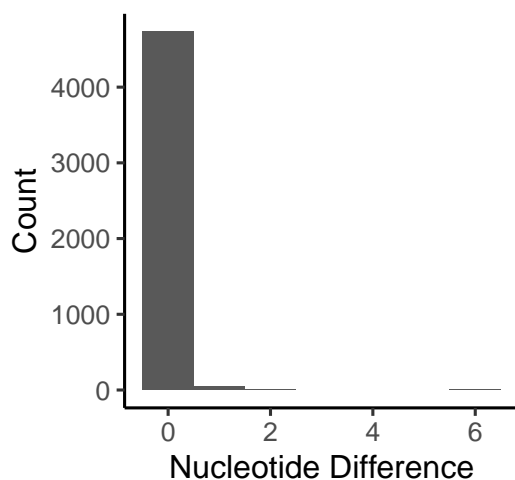
TRBV7-3*ap01

2355 sequences assigned
2346 (99.6%) exact matches, in which:
2321 unique CDR3
13 unique J



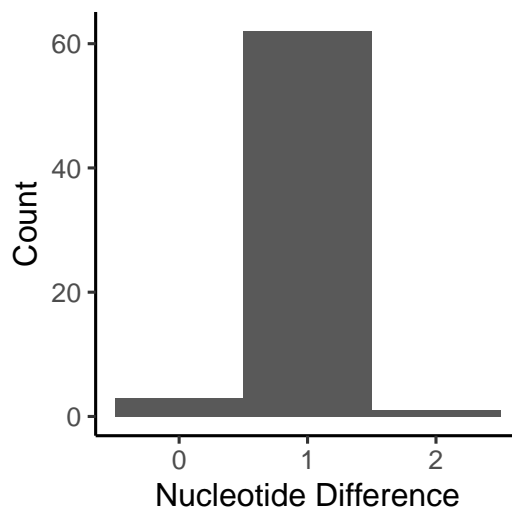
TRBV6-23*ap01

4783 sequences assigned
4732 (98.9%) exact matches, in which:
4579 unique CDR3
13 unique J



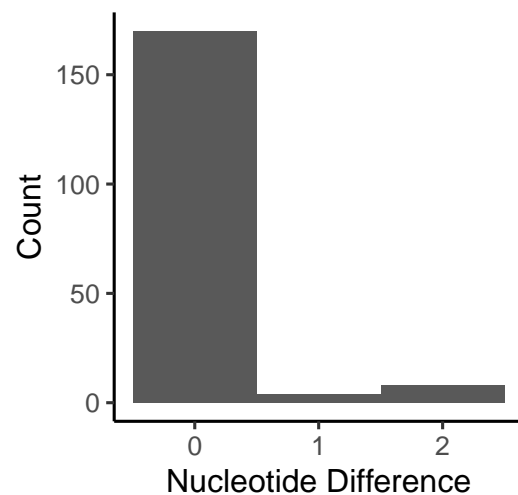
TRBV7-1*ap01_T296C

66 sequences assigned
3 (4.5%) exact matches, in which:
3 unique CDR3
3 unique J



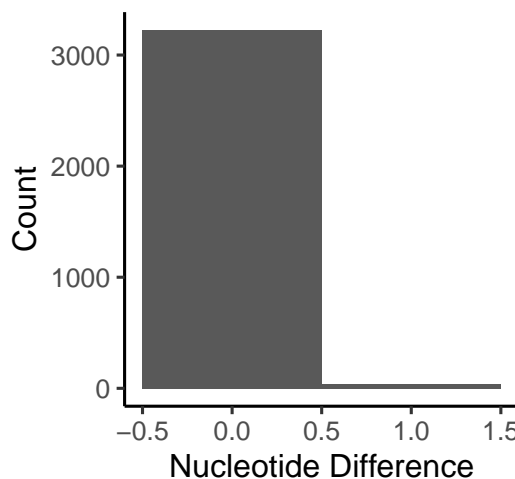
TRBV7-4*ap01

182 sequences assigned
170 (93.4%) exact matches, in which:
166 unique CDR3
13 unique J



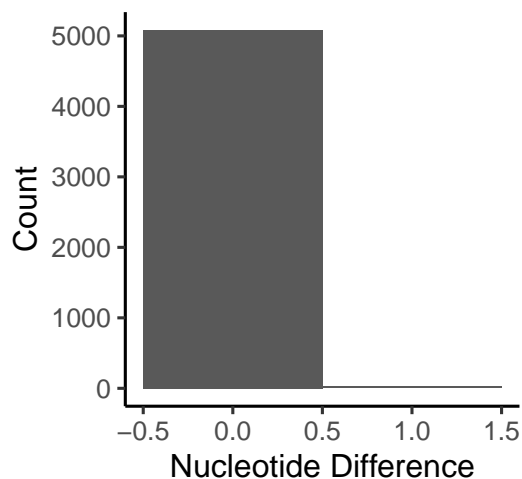
TRBV6-56*ap01

3263 sequences assigned
3225 (98.8%) exact matches, in which:
3140 unique CDR3
13 unique J



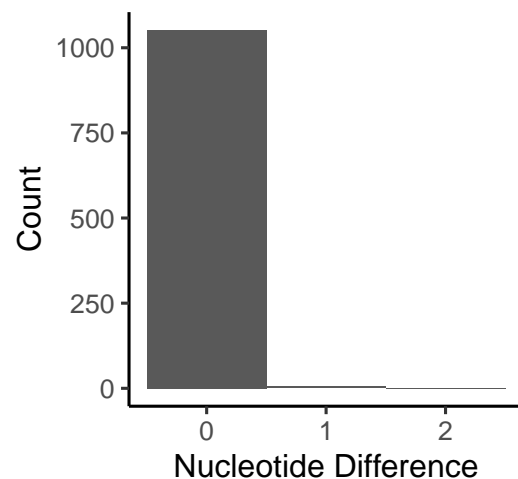
TRBV7-2*ap01

5109 sequences assigned
5083 (99.5%) exact matches, in which:
5025 unique CDR3
13 unique J



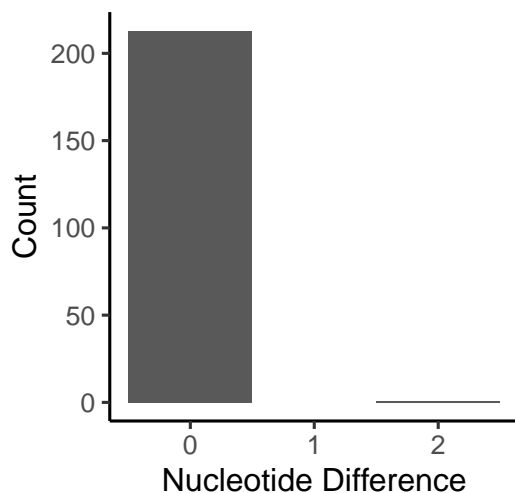
TRBV7-6*ap01

1058 sequences assigned
1052 (99.4%) exact matches, in which:
1041 unique CDR3
13 unique J



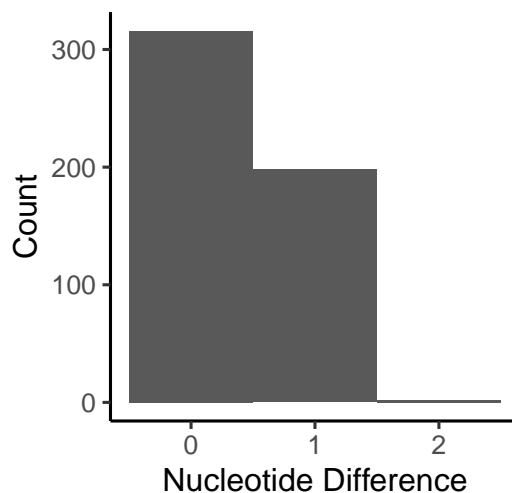
TRBV7-7*ap01

214 sequences assigned
213 (99.5%) exact matches, in which:
209 unique CDR3
13 unique J



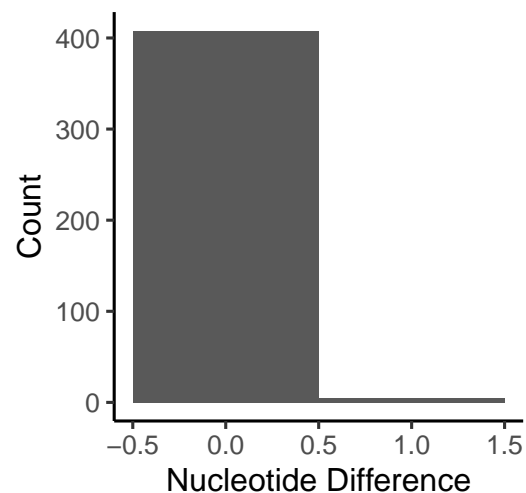
TRBV7-8*ap03

516 sequences assigned
316 (61.2%) exact matches, in which:
303 unique CDR3
13 unique J



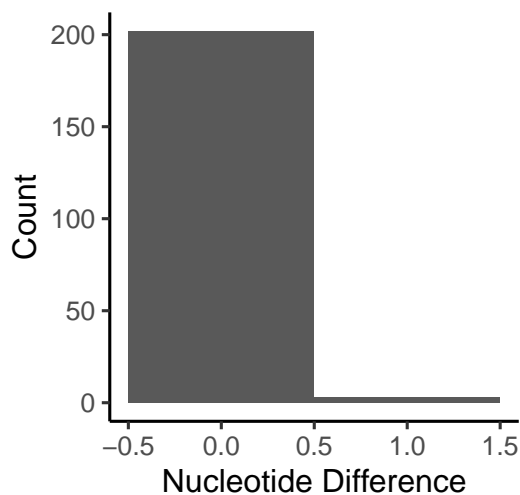
TRBV29-1*ap02

413 sequences assigned
408 (98.8%) exact matches, in which:
390 unique CDR3
13 unique J



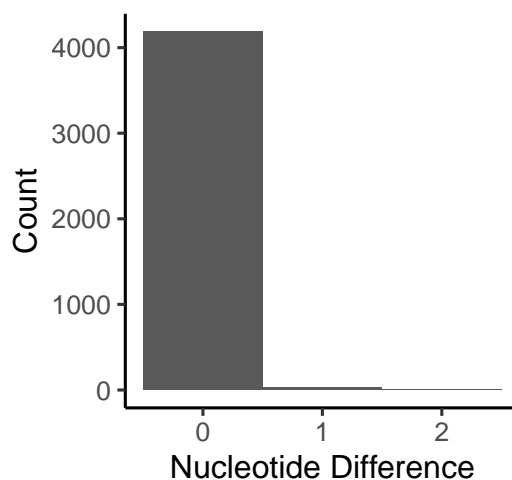
TRBV7-7*ap01_C315T

205 sequences assigned
202 (98.5%) exact matches, in which:
200 unique CDR3
13 unique J



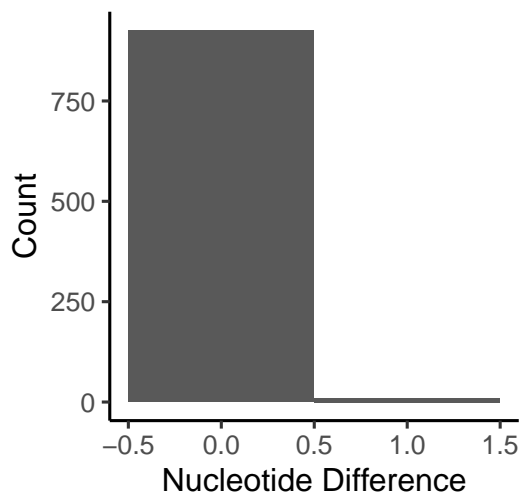
TRBV7-9*ap01

4218 sequences assigned
4186 (99.2%) exact matches, in which:
4112 unique CDR3
13 unique J



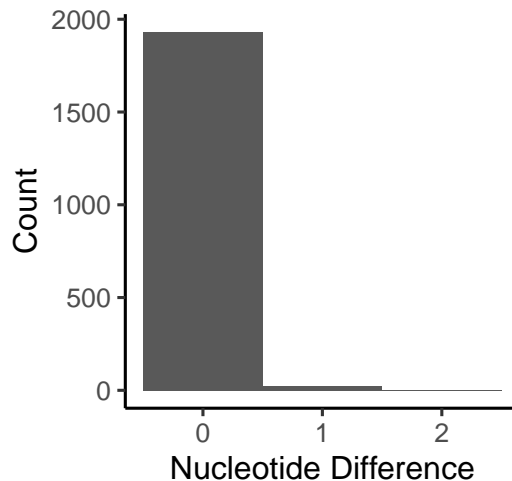
TRBV7-8*ap01

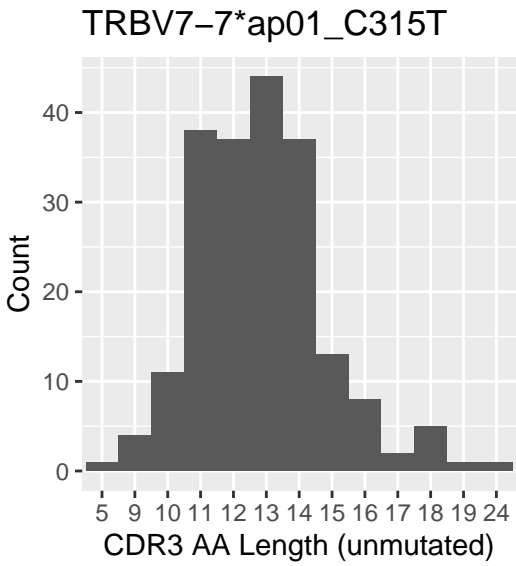
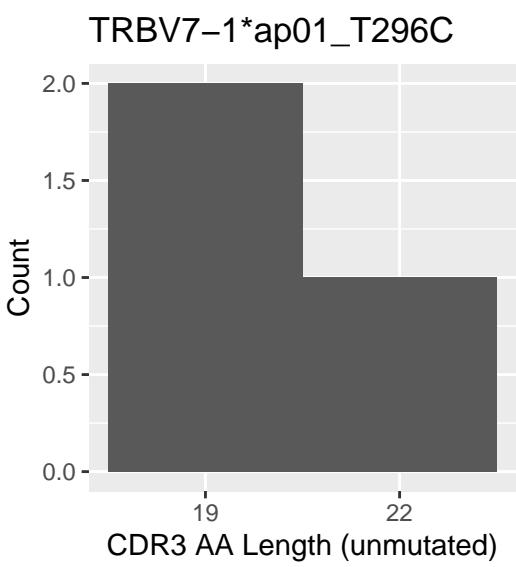
936 sequences assigned
926 (98.9%) exact matches, in which:
910 unique CDR3
13 unique J



TRBV29-1*ap01

1955 sequences assigned
1931 (98.8%) exact matches, in which:
1874 unique CDR3
13 unique J







[illegible]