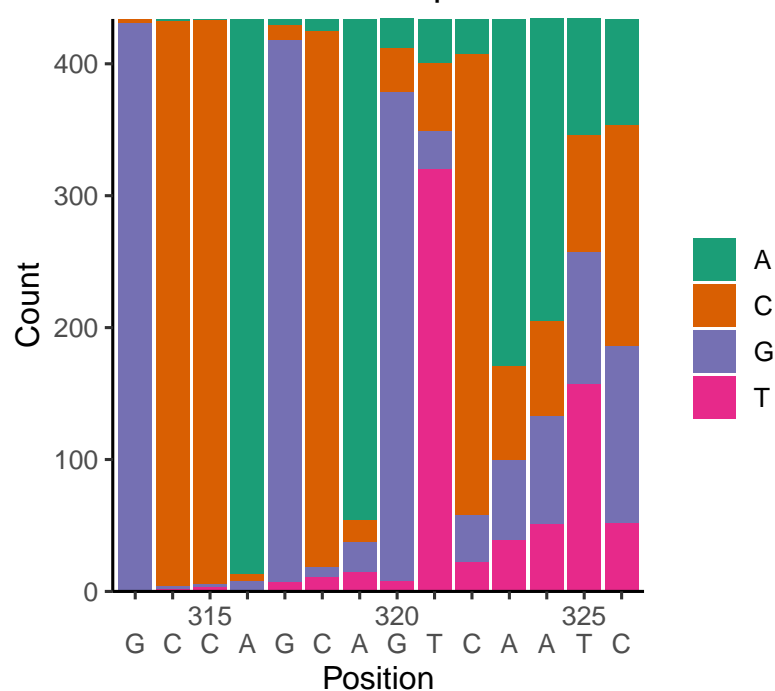
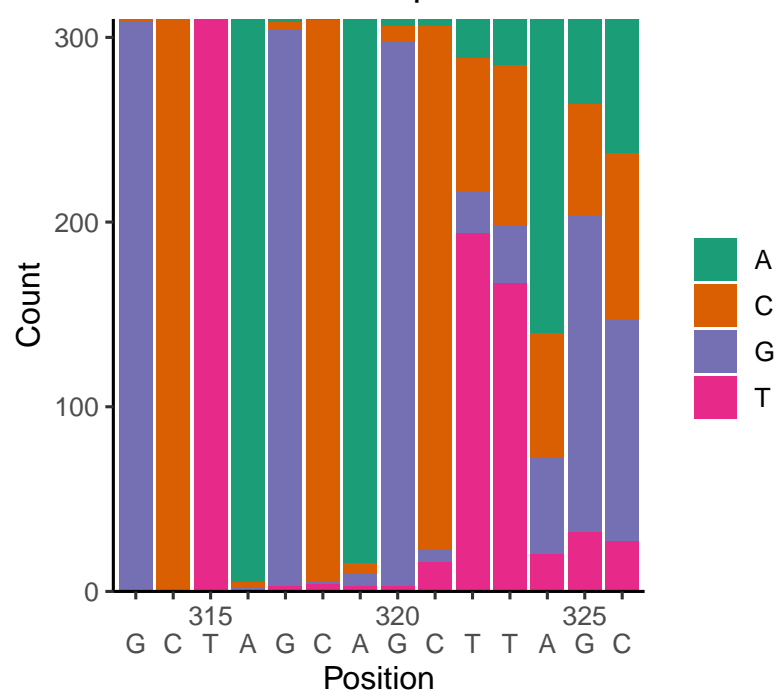


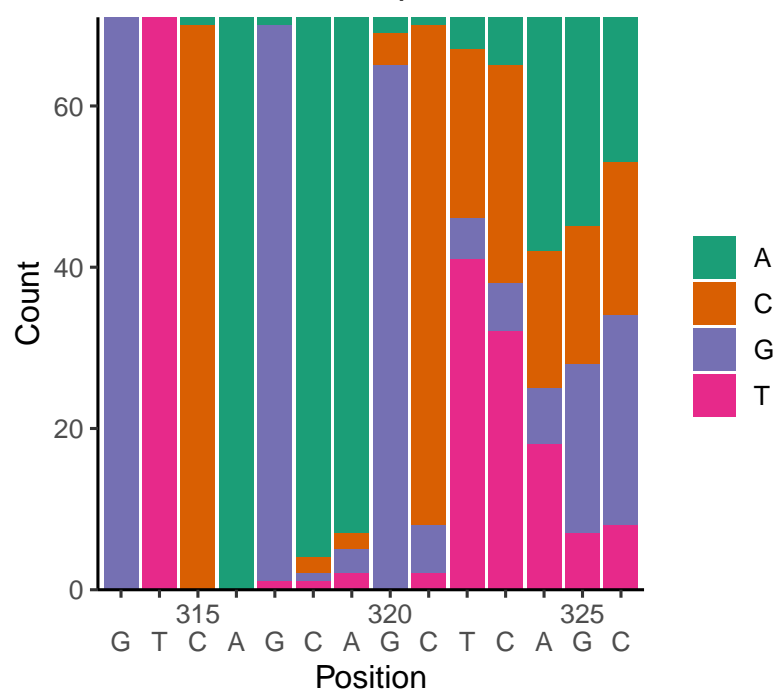
Gene TRBV23-1*ap01_T304C



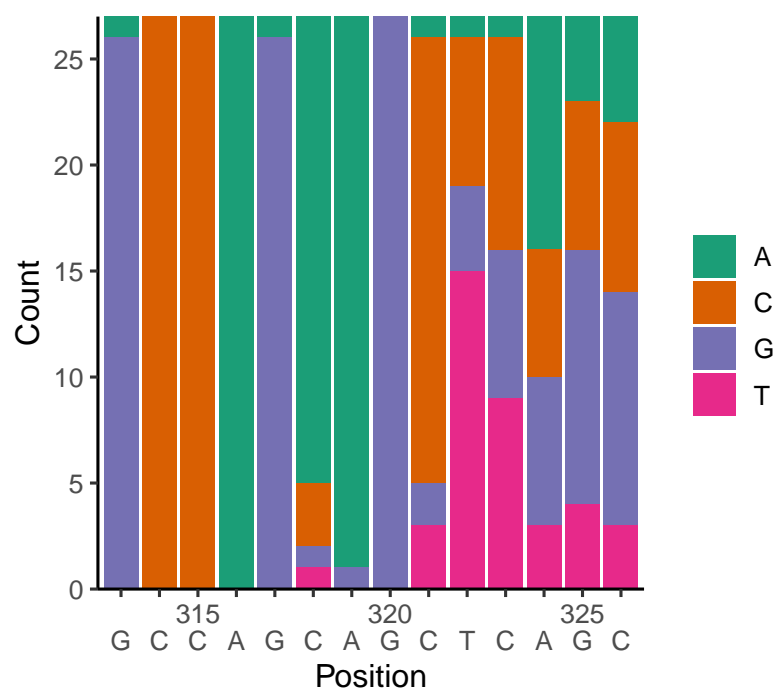
Gene TRBV7-7*ap01_C315T



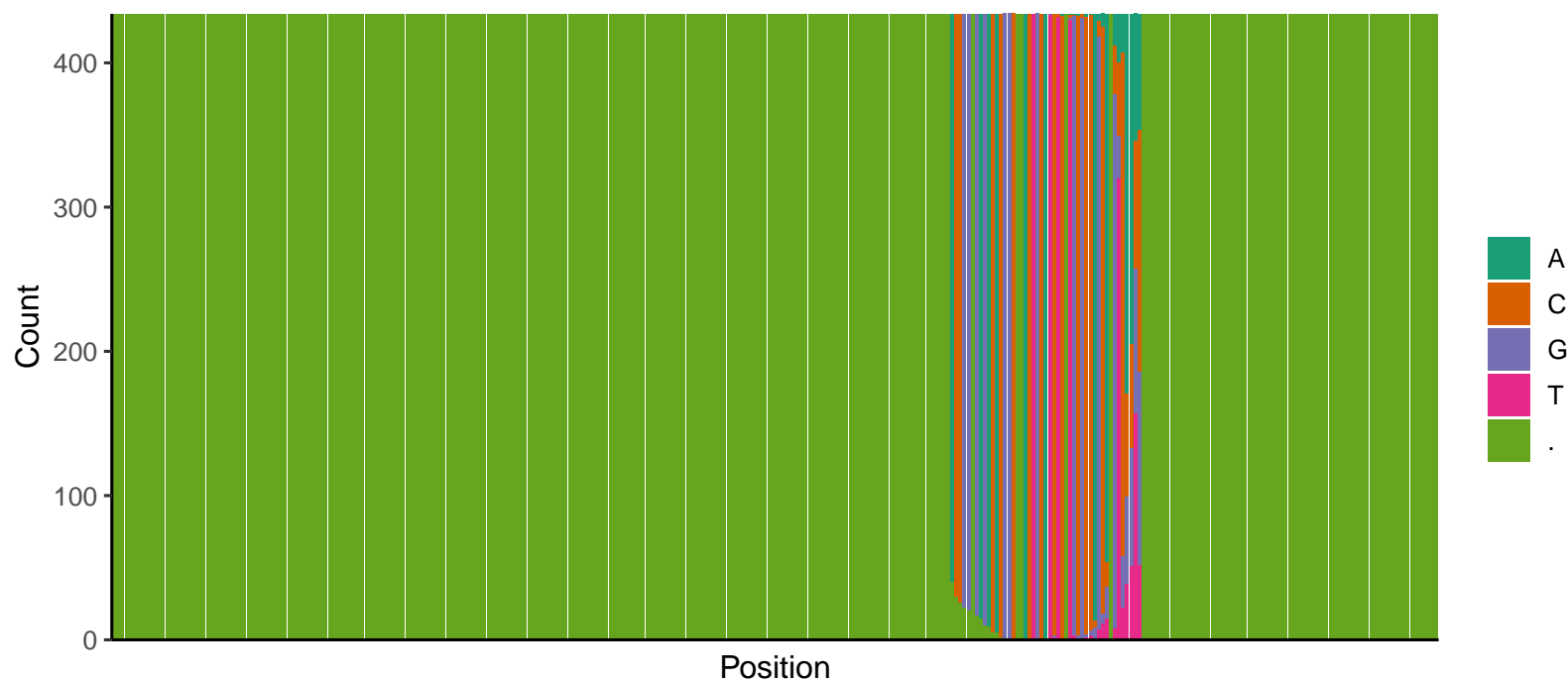
Gene TRBV7-1*ap01_G291C_T296C_C314T



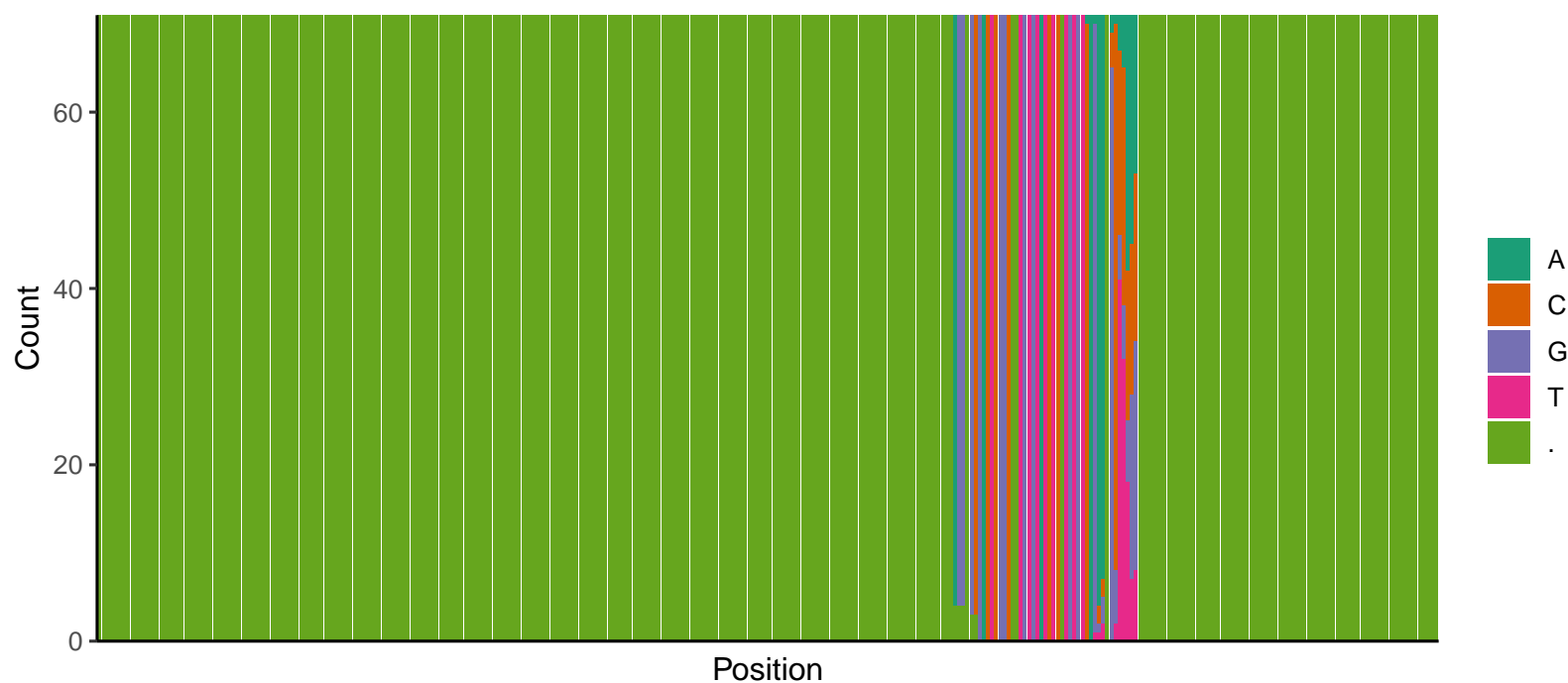
Gene TRBV7-1*ap01_G291C_T296C



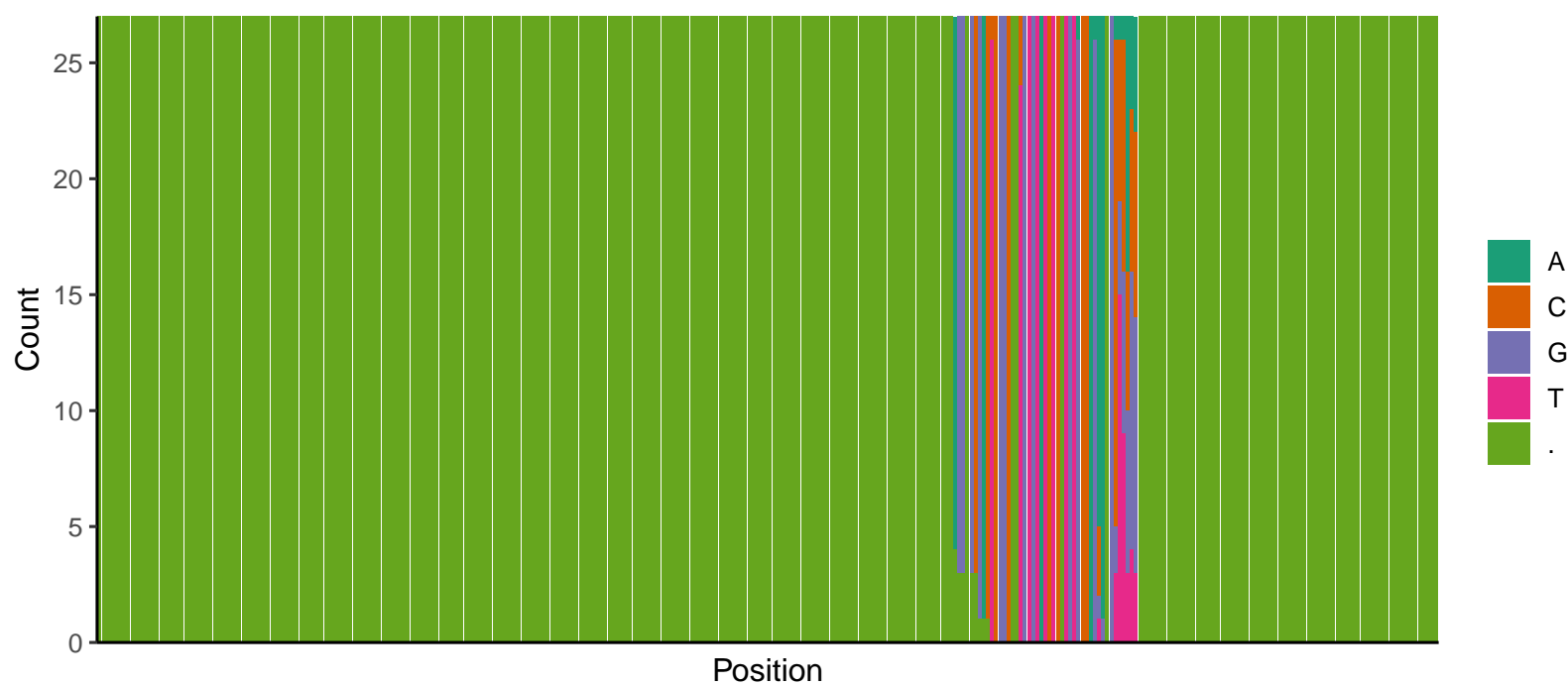
Gene TRBV23-1*ap01_T304C



Gene TRBV7-1*ap01_G291C_T296C_C314T



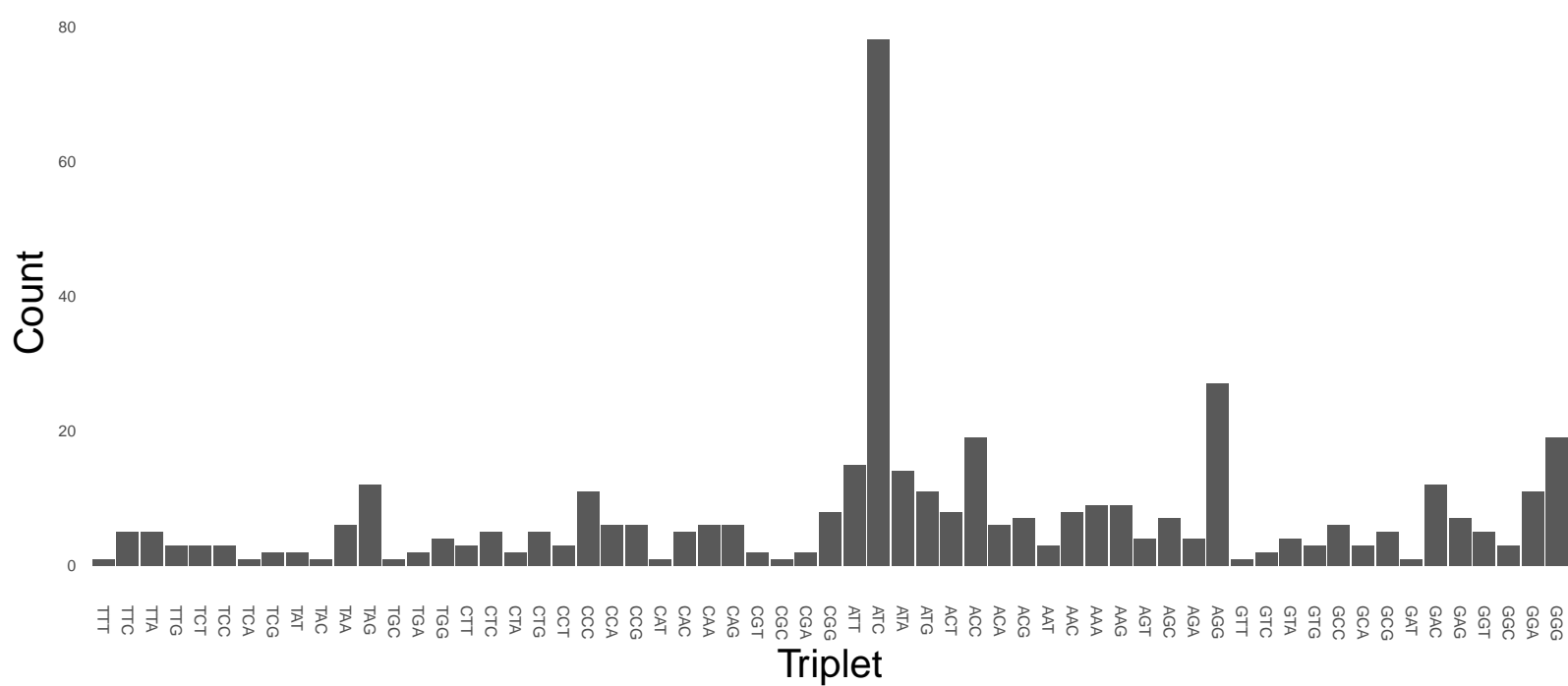
Gene TRBV7-1*ap01_G291C_T296C



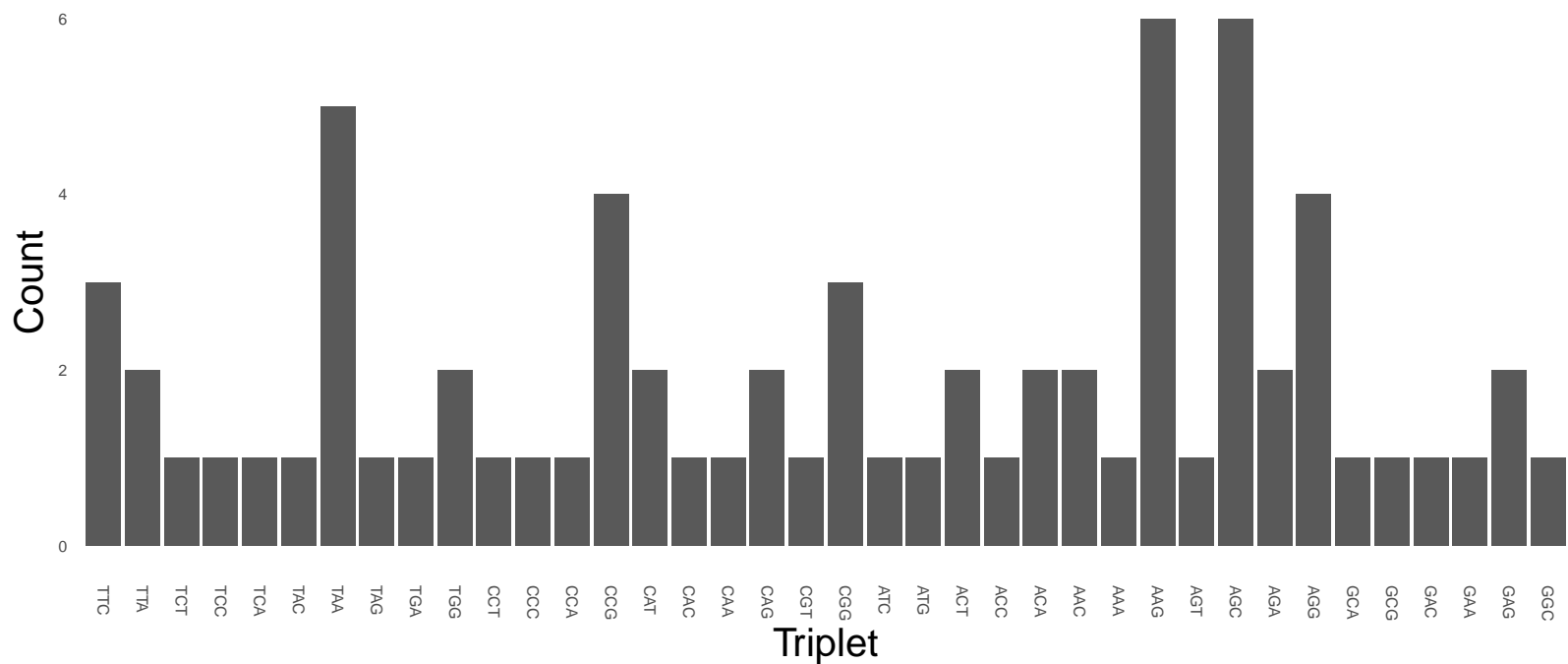
Gene TRBV7-7*ap01_C315T



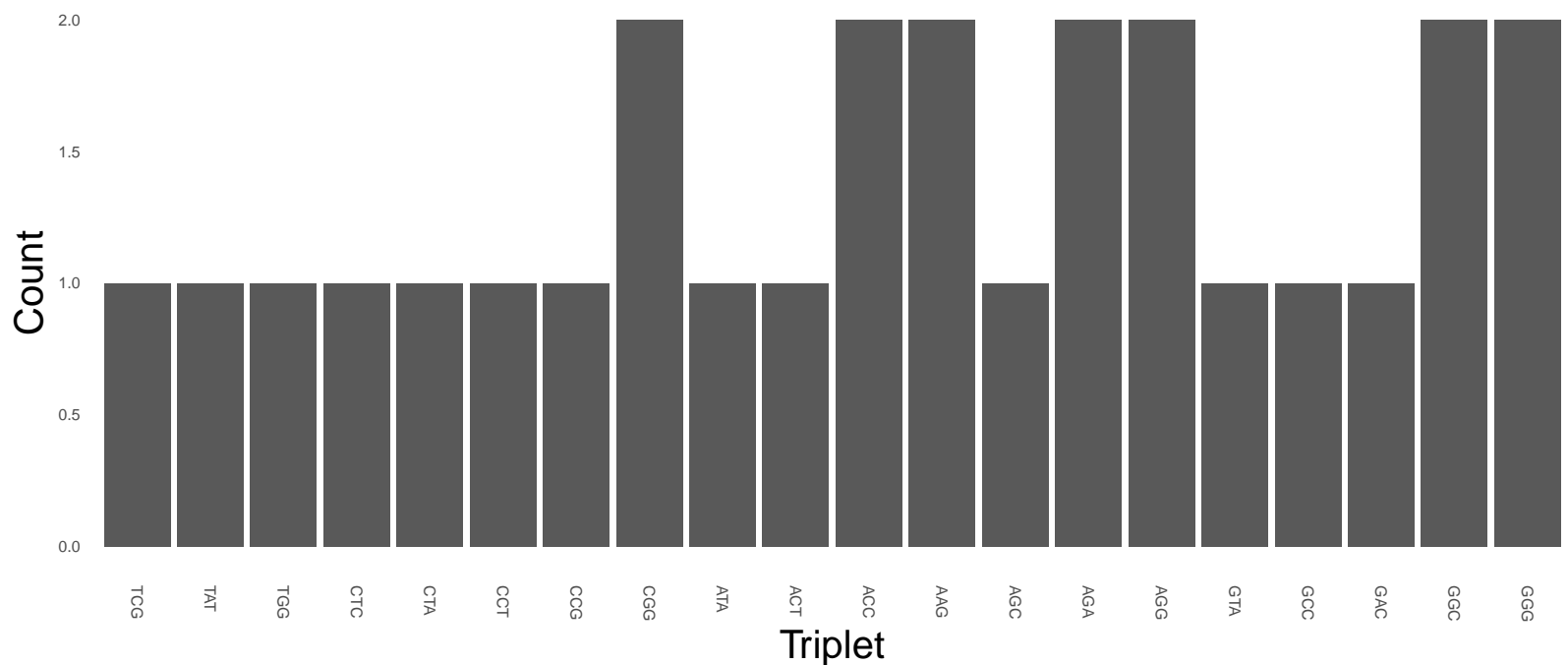
TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet

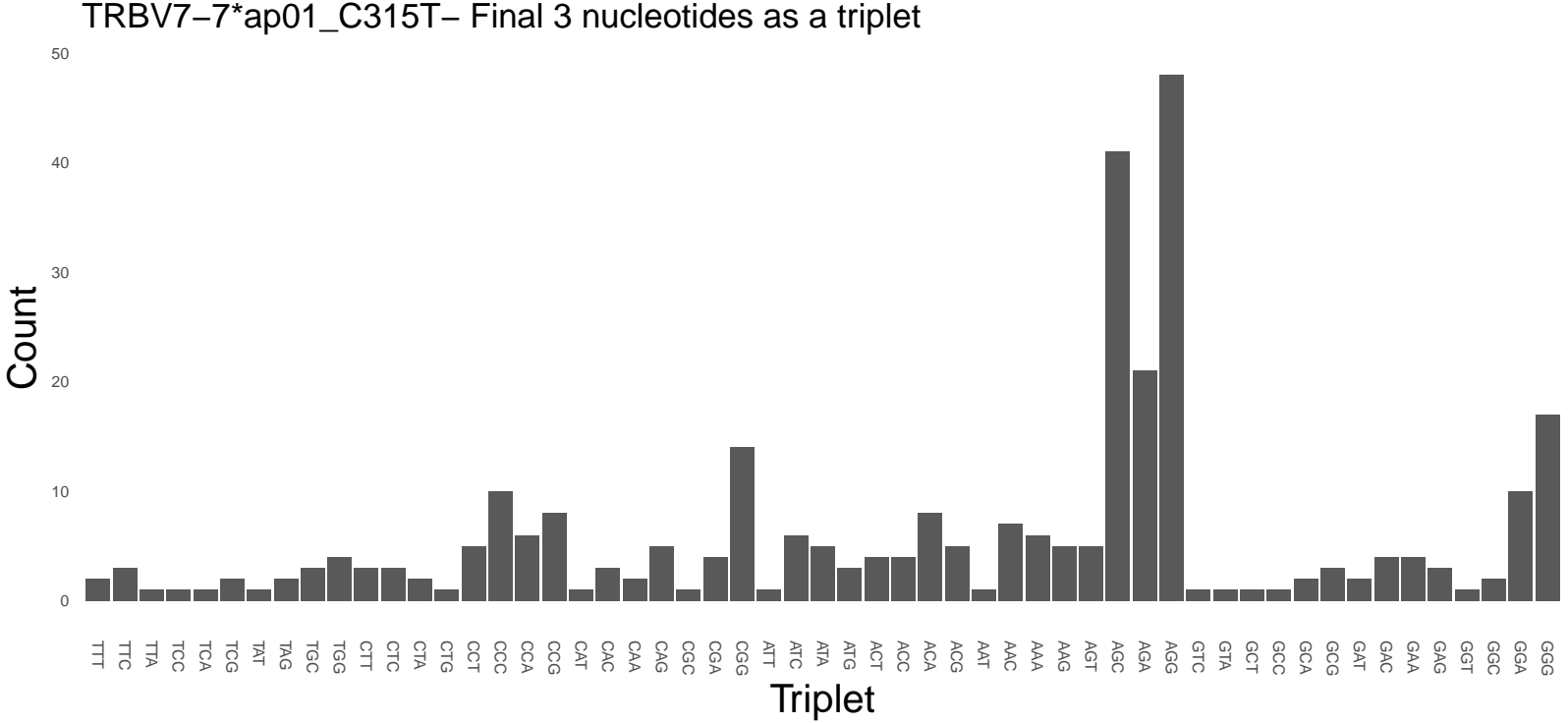


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



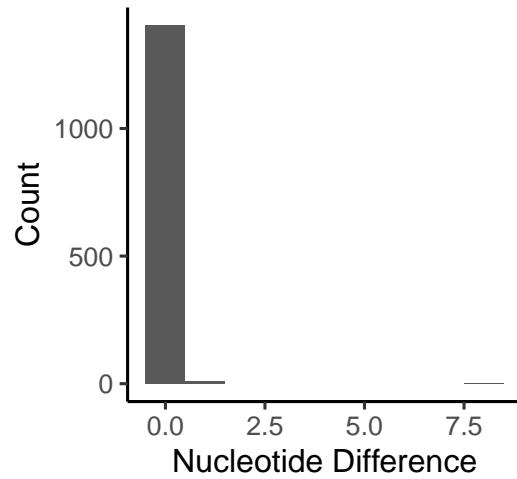
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet





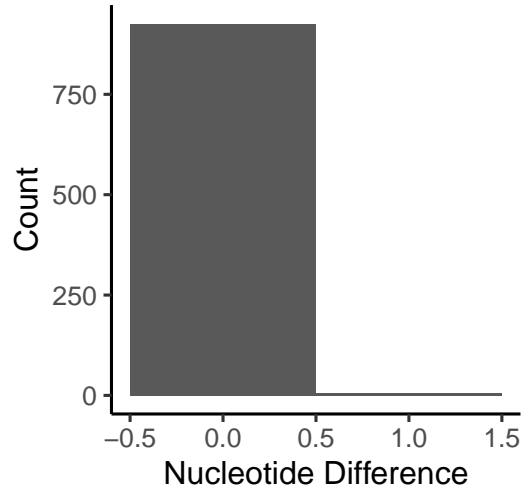
TRBV10-1*ap01

1416 sequences assigned
1404 (99.2%) exact matches, in which:
1360 unique CDR3
13 unique J



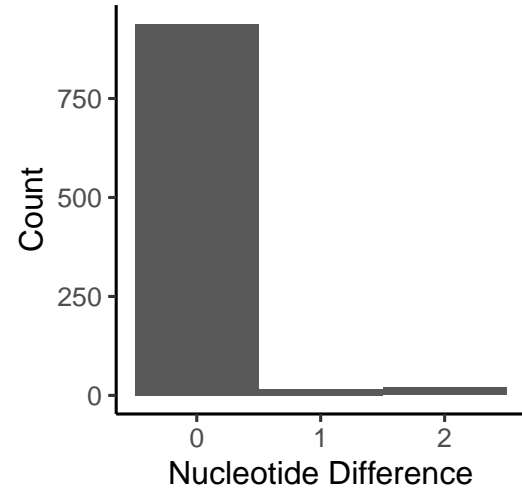
TRBV10-2*ap01

932 sequences assigned
926 (99.4%) exact matches, in which:
913 unique CDR3
13 unique J



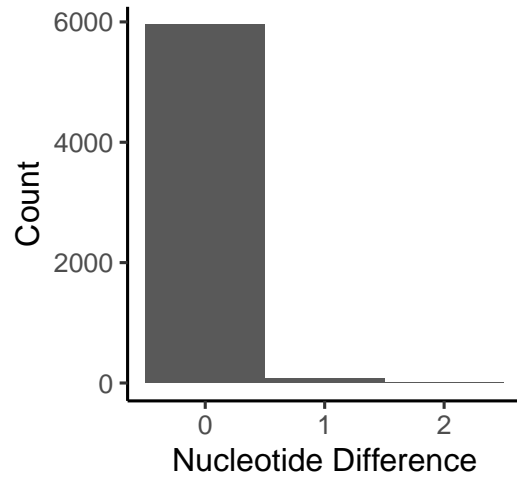
TRBV13*ap01

976 sequences assigned
939 (96.2%) exact matches, in which:
915 unique CDR3
13 unique J



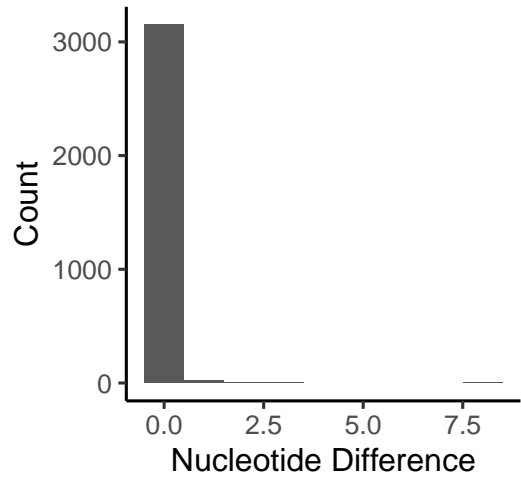
TRBV20-1*ap01

6026 sequences assigned
5953 (98.8%) exact matches, in which:
5864 unique CDR3
13 unique J



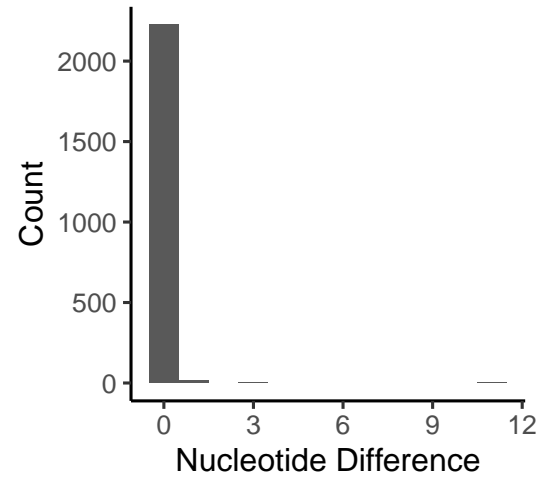
TRBV10-3*ap01

3173 sequences assigned
3151 (99.3%) exact matches, in which:
3095 unique CDR3
13 unique J



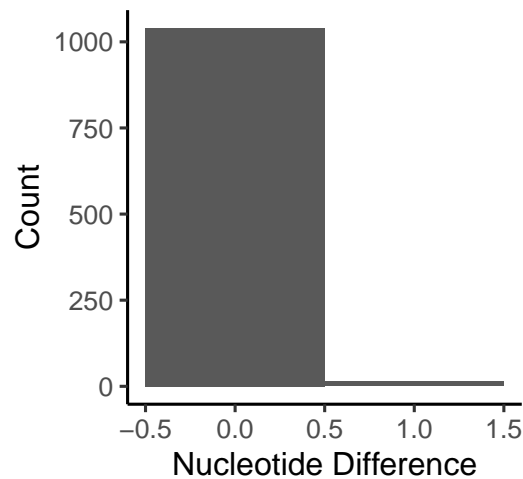
TRBV14*ap01

2241 sequences assigned
2226 (99.3%) exact matches, in which:
2193 unique CDR3
13 unique J



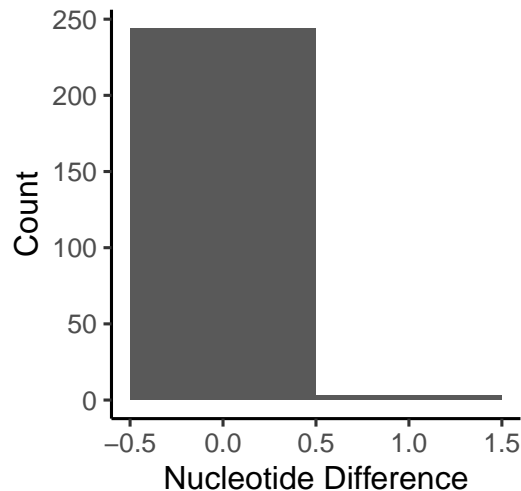
TRBV20-1*ap02

1054 sequences assigned
1040 (98.7%) exact matches, in which:
1018 unique CDR3
13 unique J



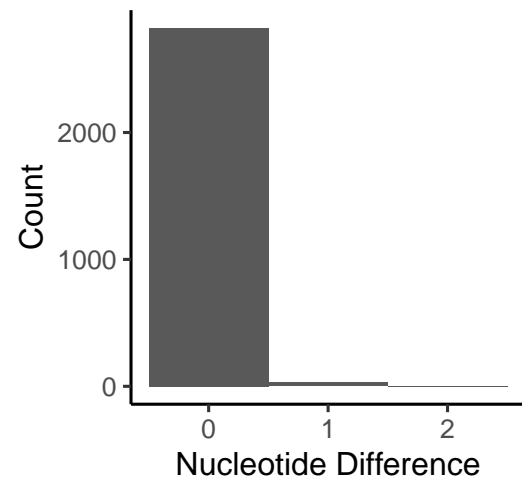
TRBV1*ap01

247 sequences assigned
244 (98.8%) exact matches, in which:
237 unique CDR3
13 unique J



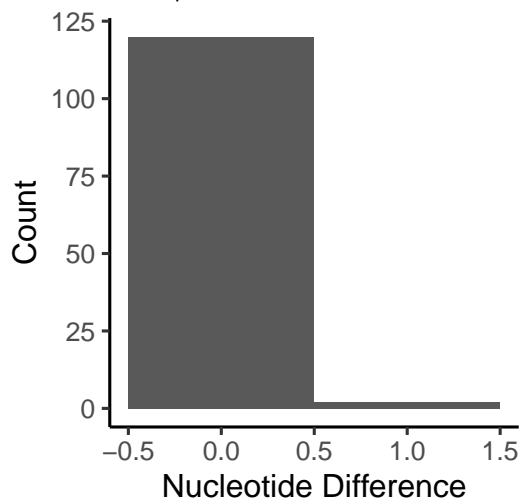
TRBV15*ap02

2853 sequences assigned
2823 (98.9%) exact matches, in which:
2757 unique CDR3
13 unique J



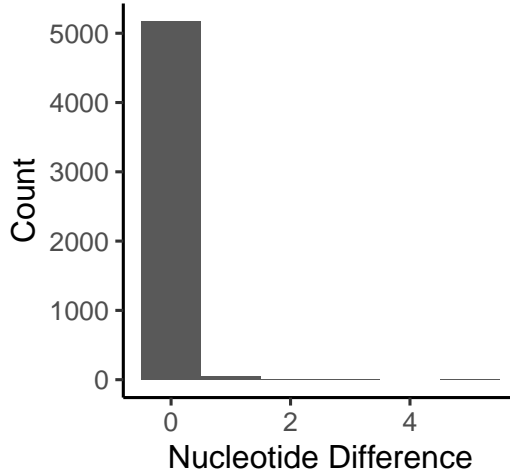
TRBV16*ap01

122 sequences assigned
120 (98.4%) exact matches, in which:
119 unique CDR3
11 unique J



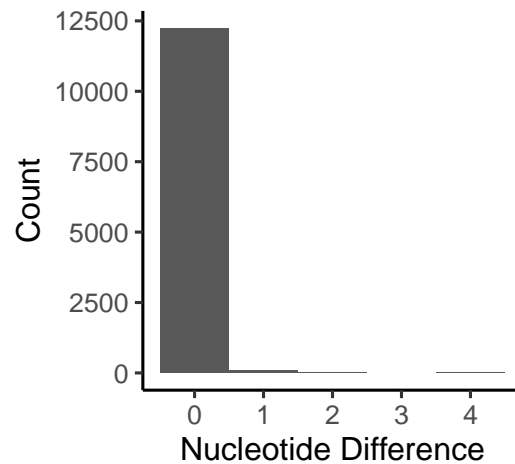
TRBV2*ap01

5223 sequences assigned
5171 (99%) exact matches, in which:
5033 unique CDR3
13 unique J



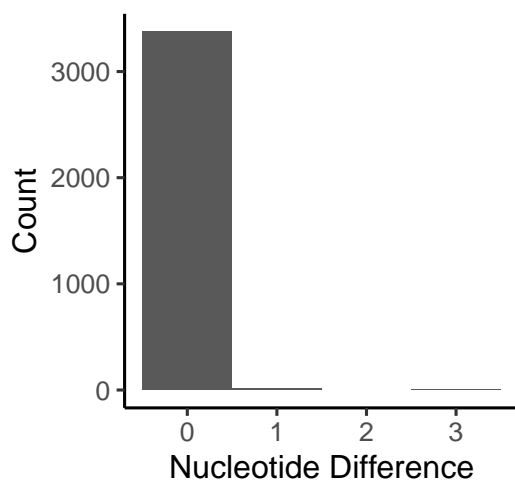
TRBV28*ap01

12336 sequences assigned
12242 (99.2%) exact matches, in which:
12096 unique CDR3
13 unique J



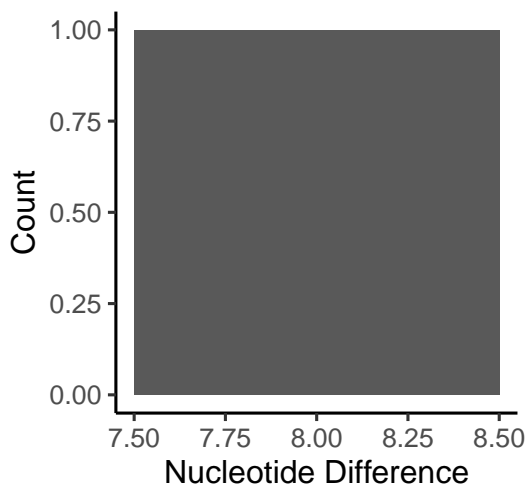
TRBV18*ap01

3390 sequences assigned
3375 (99.6%) exact matches, in which:
3355 unique CDR3
13 unique J



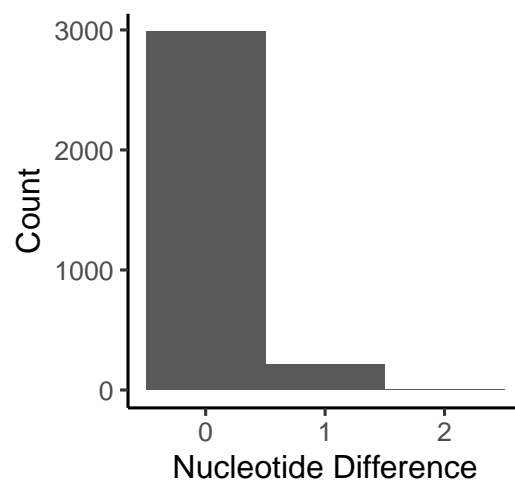
TRBV26*ap01

1 sequences assigned
No exact matches.



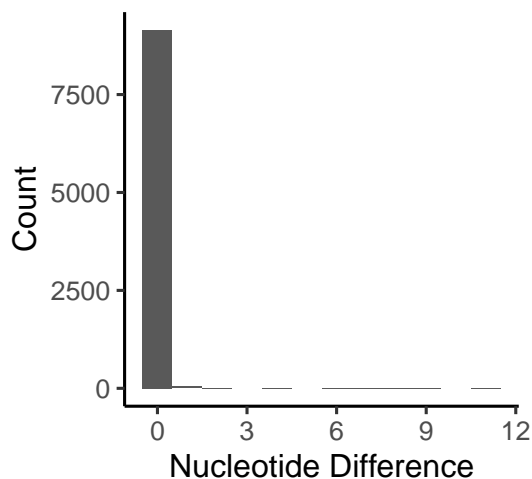
TRBV30*ap01

3205 sequences assigned
2985 (93.1%) exact matches, in which:
2933 unique CDR3
13 unique J



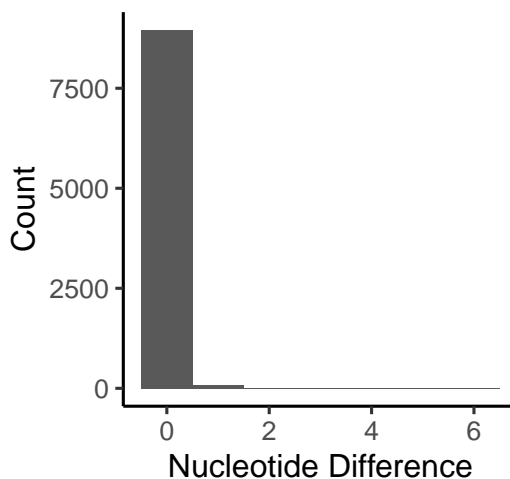
TRBV19*ap01

9210 sequences assigned
9147 (99.3%) exact matches, in which:
9083 unique CDR3
13 unique J



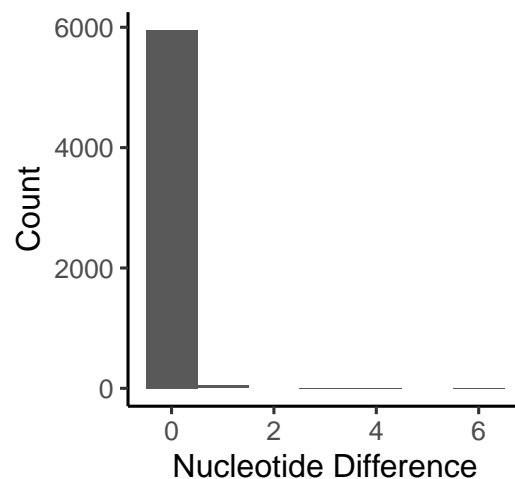
TRBV27*ap01

9057 sequences assigned
8955 (98.9%) exact matches, in which:
8720 unique CDR3
13 unique J



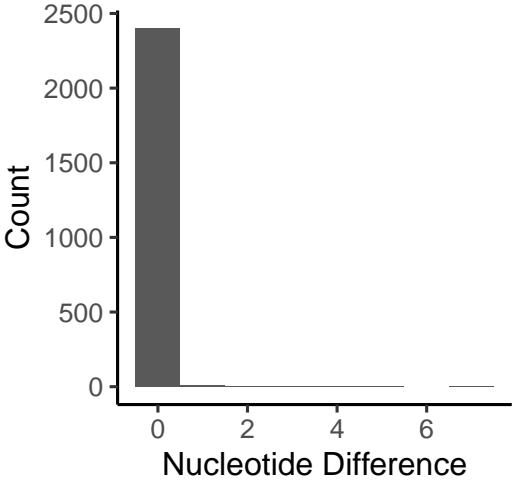
TRBV9*ap01

6005 sequences assigned
5954 (99.2%) exact matches, in which:
5852 unique CDR3
13 unique J



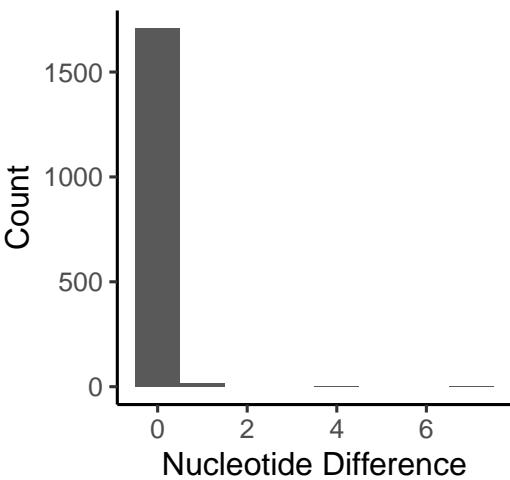
TRBV21-1*ap01

2423 sequences assigned
2400 (99.1%) exact matches, in which:
2378 unique CDR3
13 unique J



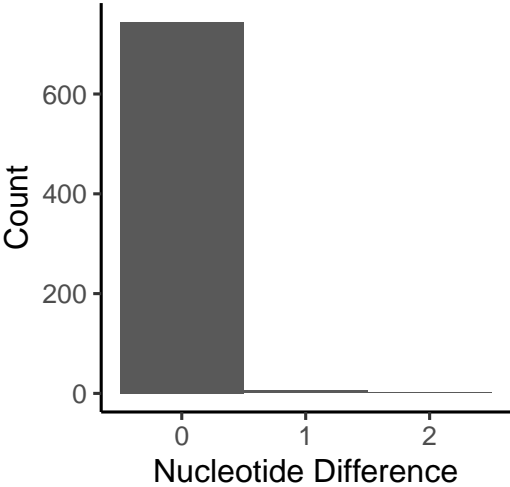
TRBV11-3*ap01

1728 sequences assigned
1708 (98.8%) exact matches, in which:
1682 unique CDR3
13 unique J



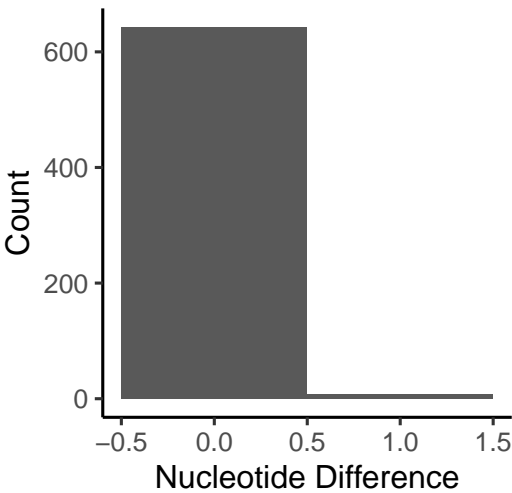
TRBV12-5*ap01

753 sequences assigned
745 (98.9%) exact matches, in which:
738 unique CDR3
13 unique J



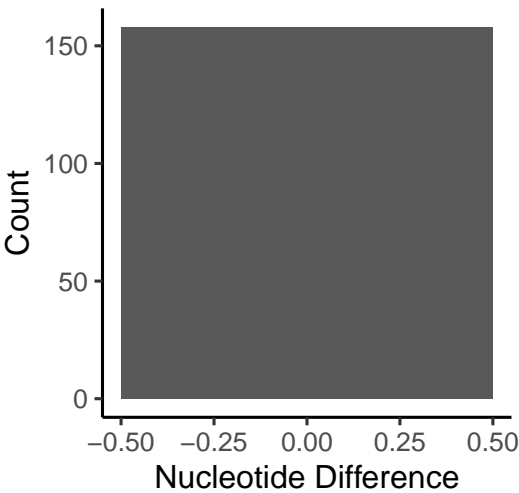
TRBV11-1*ap01

650 sequences assigned
643 (98.9%) exact matches, in which:
631 unique CDR3
13 unique J



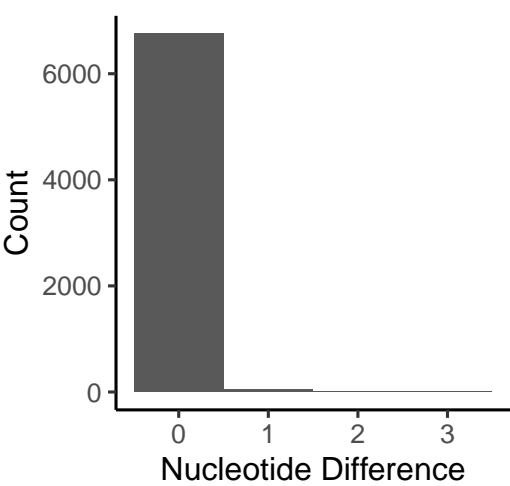
TRBV12-1*ap01

158 sequences assigned
158 (100%) exact matches, in which:
156 unique CDR3
13 unique J



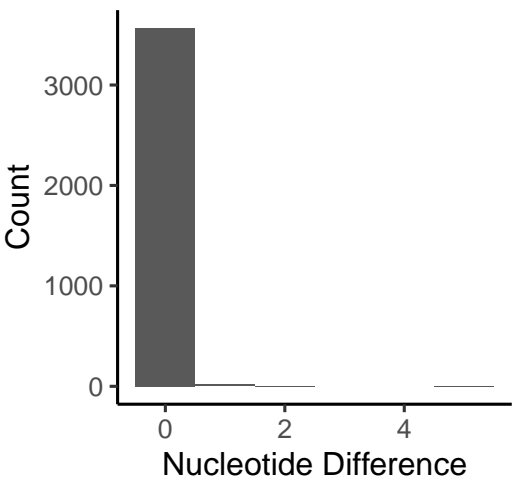
TRBV12-34*ap01

6808 sequences assigned
6754 (99.2%) exact matches, in which:
6630 unique CDR3
13 unique J



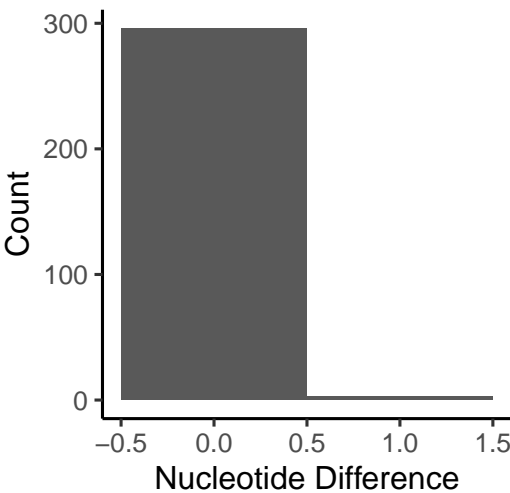
TRBV11-2*ap01

3586 sequences assigned
3567 (99.5%) exact matches, in which:
3516 unique CDR3
13 unique J



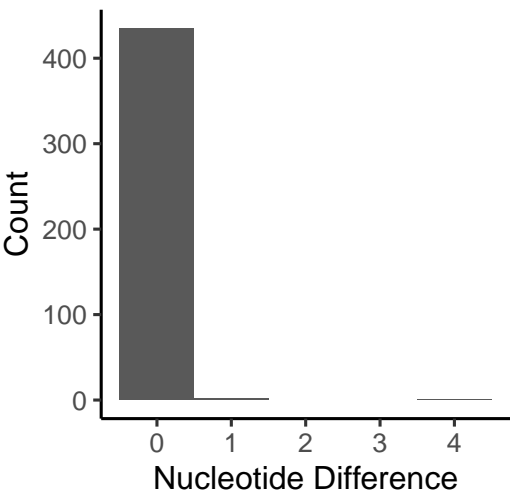
TRBV12-2*ap01

299 sequences assigned
296 (99%) exact matches, in which:
296 unique CDR3
13 unique J



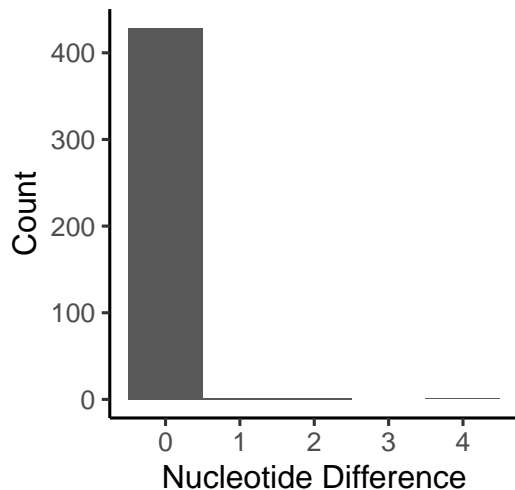
TRBV23-1*ap01

438 sequences assigned
435 (99.3%) exact matches, in which:
427 unique CDR3
13 unique J



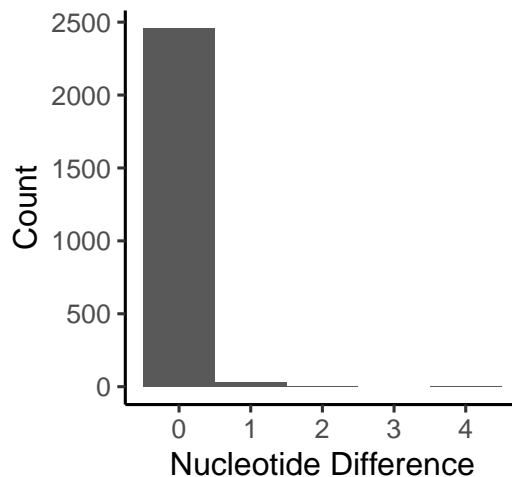
TRBV23-1*ap01_T304C

434 sequences assigned
429 (98.8%) exact matches, in which:
423 unique CDR3
13 unique J



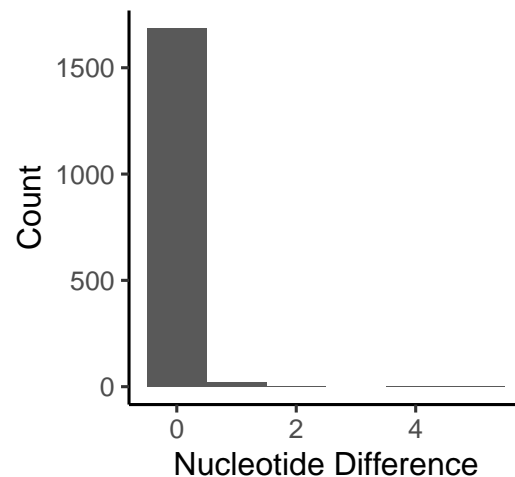
TRBV4-1*ap01

2493 sequences assigned
2457 (98.6%) exact matches, in which:
2401 unique CDR3
13 unique J



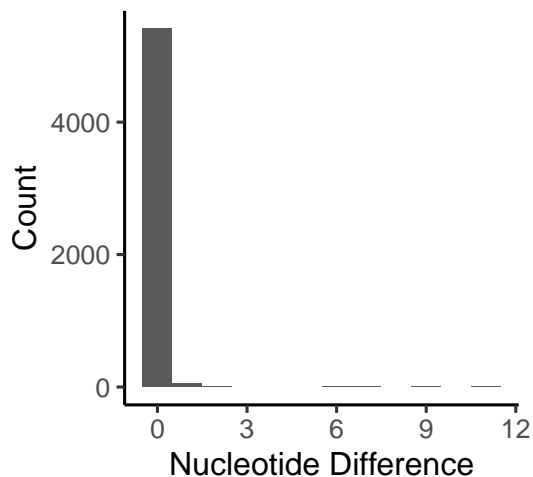
TRBV25-1*ap01

1711 sequences assigned
1685 (98.5%) exact matches, in which:
1636 unique CDR3
13 unique J



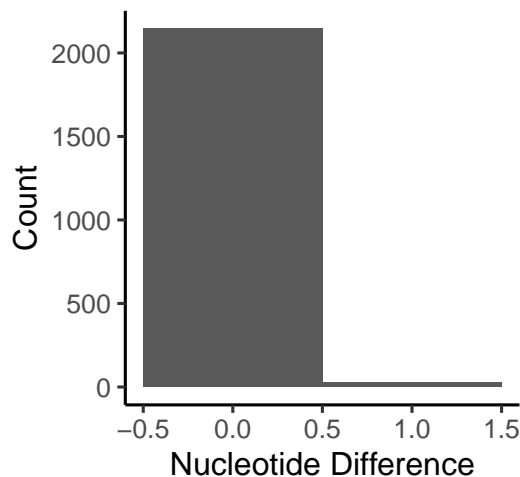
TRBV3-12*ap01

5469 sequences assigned
5411 (98.9%) exact matches, in which:
5290 unique CDR3
13 unique J



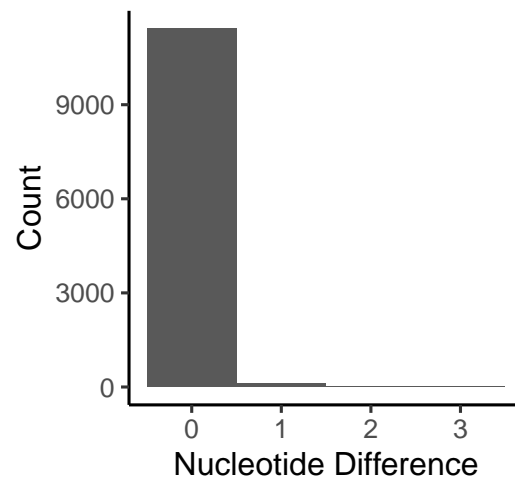
TRBV4-2*ap01

2170 sequences assigned
2145 (98.8%) exact matches, in which:
2089 unique CDR3
13 unique J



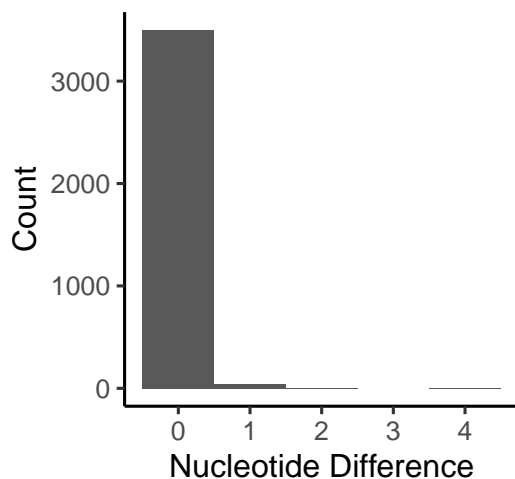
TRBV5-1*ap01

11521 sequences assigned
11422 (99.1%) exact matches, in which:
11096 unique CDR3
13 unique J



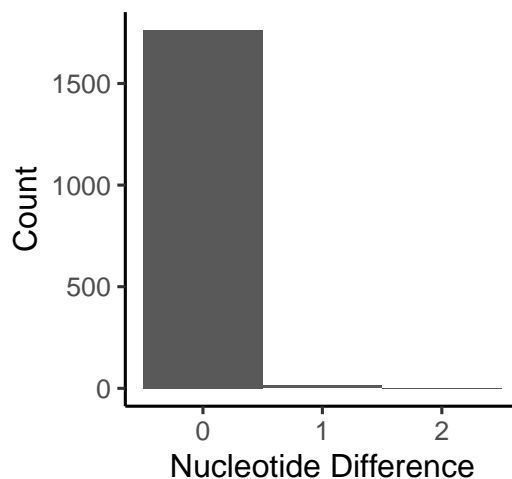
TRBV24-1*ap01

3546 sequences assigned
3499 (98.7%) exact matches, in which:
3439 unique CDR3
13 unique J



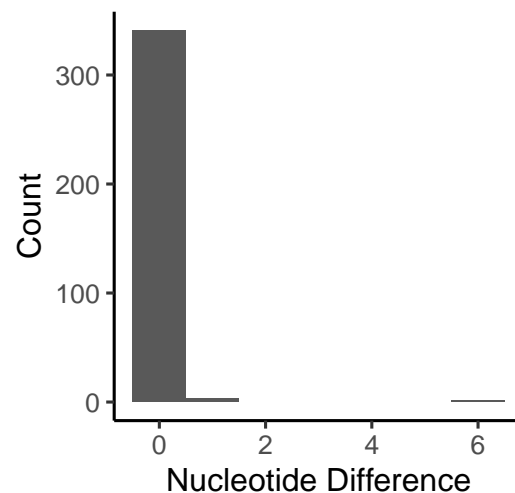
TRBV4-3*ap01

1777 sequences assigned
1763 (99.2%) exact matches, in which:
1714 unique CDR3
13 unique J



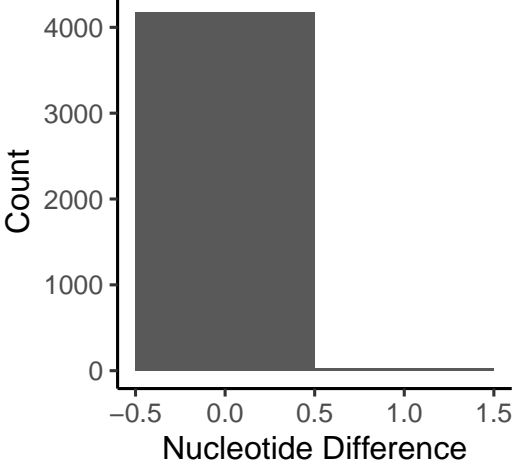
TRBV5-3*ap01

345 sequences assigned
341 (98.8%) exact matches, in which:
338 unique CDR3
13 unique J



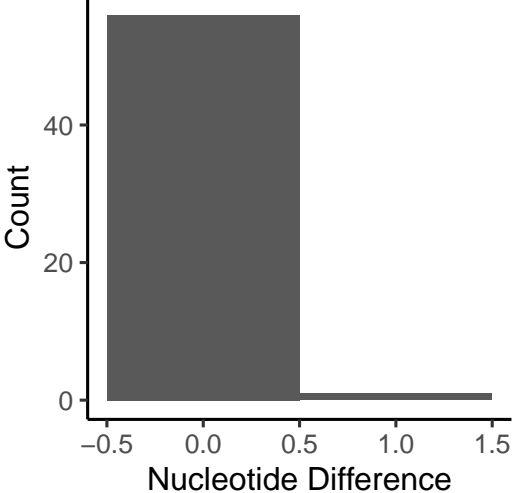
TRBV5-4*ap01

4208 sequences assigned
4174 (99.2%) exact matches, in which:
4060 unique CDR3
13 unique J



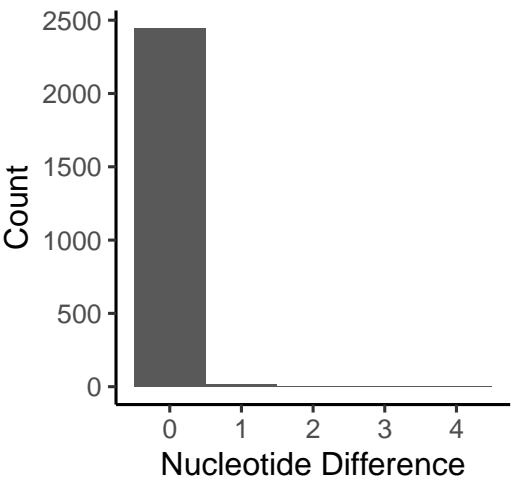
TRBV5-7*ap01

57 sequences assigned
56 (98.2%) exact matches, in which:
55 unique CDR3
13 unique J



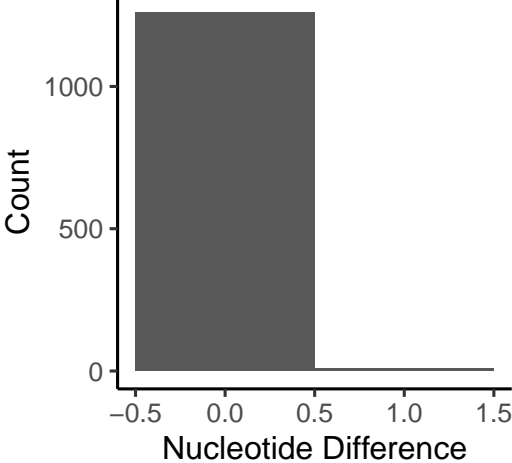
TRBV6-4*ap01

2468 sequences assigned
2444 (99%) exact matches, in which:
2410 unique CDR3
13 unique J



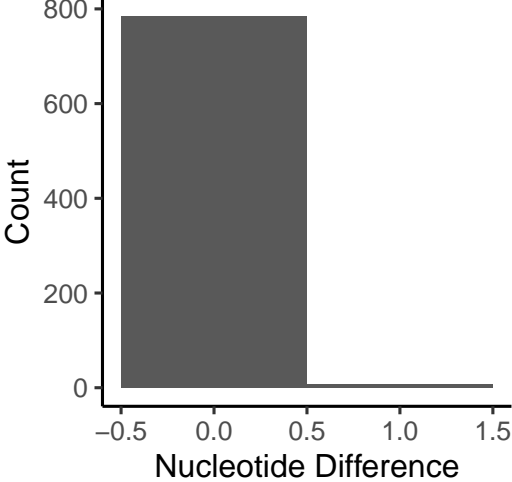
TRBV5-5*ap01

1268 sequences assigned
1259 (99.3%) exact matches, in which:
1250 unique CDR3
13 unique J



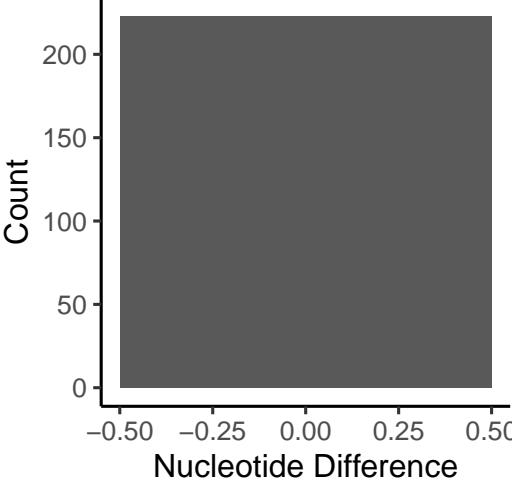
TRBV5-8*ap01

793 sequences assigned
785 (99%) exact matches, in which:
773 unique CDR3
13 unique J



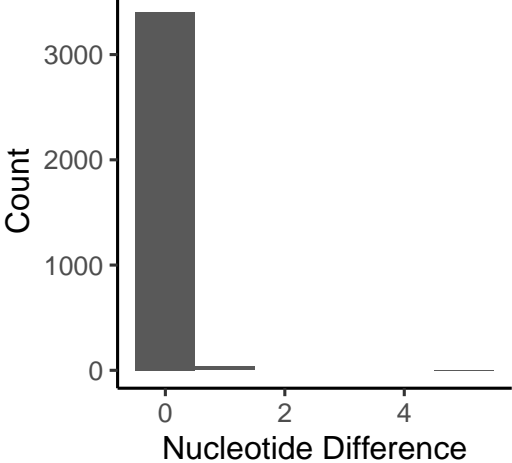
TRBV6-7*ap01

223 sequences assigned
223 (100%) exact matches, in which:
218 unique CDR3
13 unique J



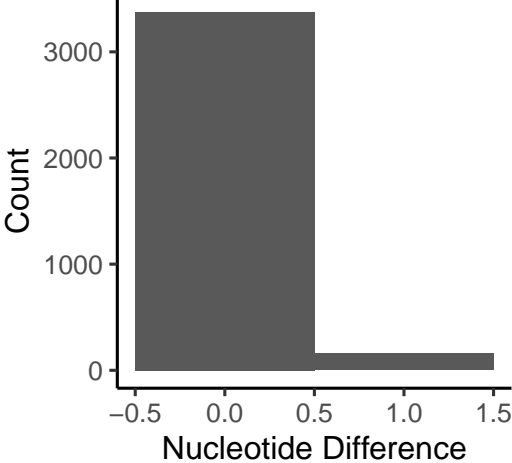
TRBV5-6*ap01

3440 sequences assigned
3404 (99%) exact matches, in which:
3305 unique CDR3
13 unique J



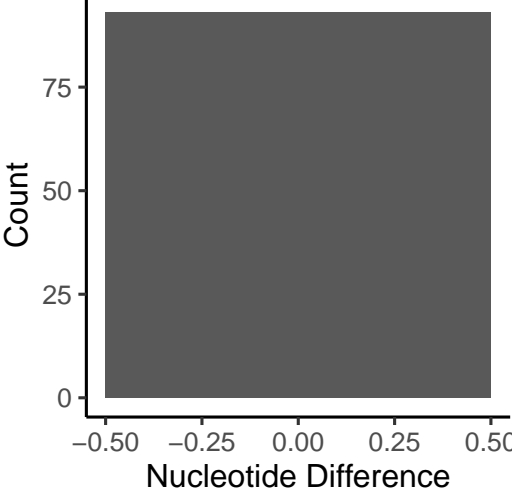
TRBV6-1*ap01

3535 sequences assigned
3375 (95.5%) exact matches, in which:
3291 unique CDR3
13 unique J



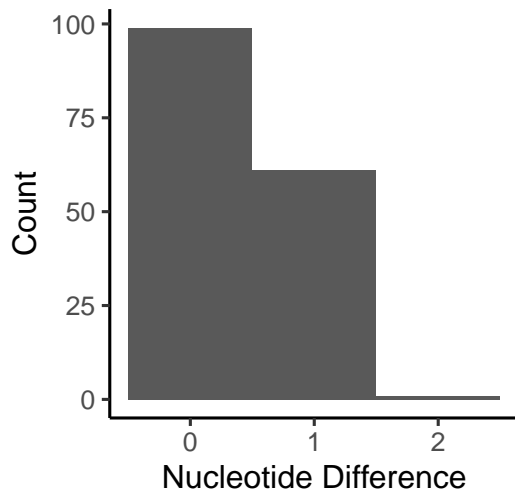
TRBV6-8*ap01

93 sequences assigned
93 (100%) exact matches, in which:
89 unique CDR3
13 unique J



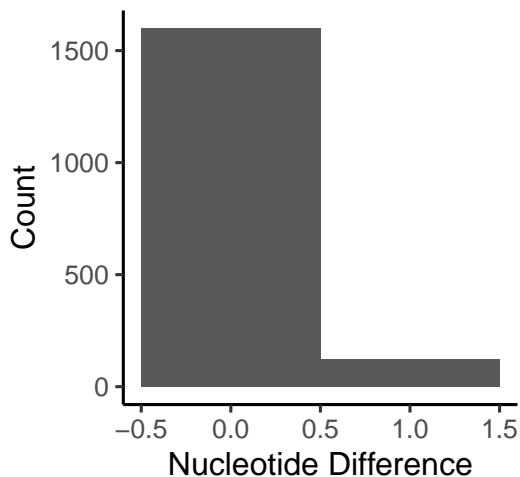
TRBV6-9*ap01

161 sequences assigned
99 (61.5%) exact matches, in which:
97 unique CDR3
13 unique J



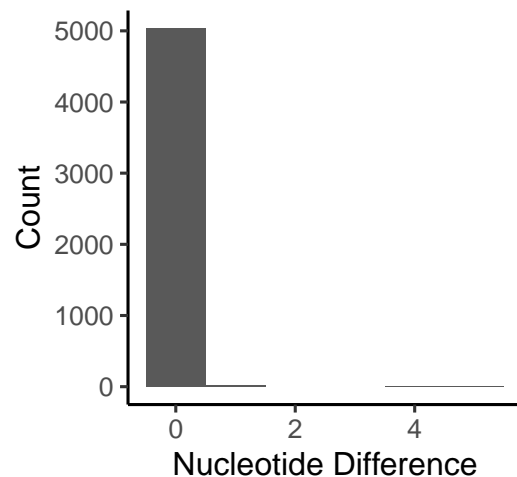
TRBV6-56*ap02

1722 sequences assigned
1599 (92.9%) exact matches, in which:
1549 unique CDR3
13 unique J



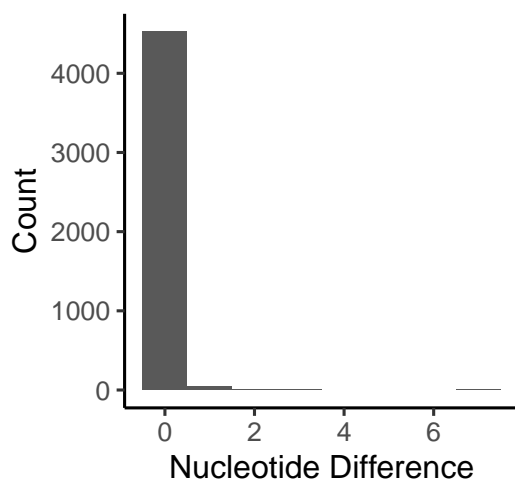
TRBV7-2*ap01

5054 sequences assigned
5034 (99.6%) exact matches, in which:
4957 unique CDR3
13 unique J



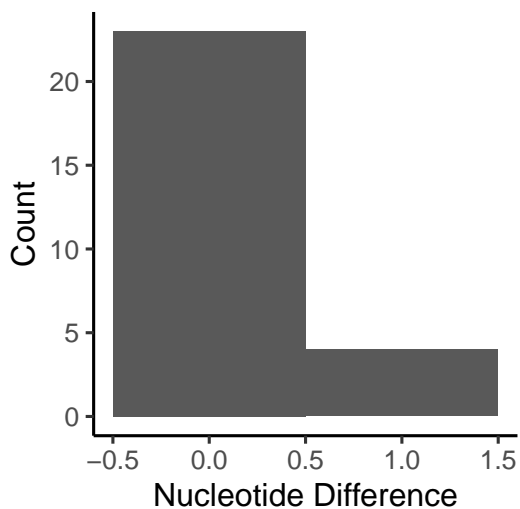
TRBV6-23*ap01

4567 sequences assigned
4525 (99.1%) exact matches, in which:
4404 unique CDR3
13 unique J



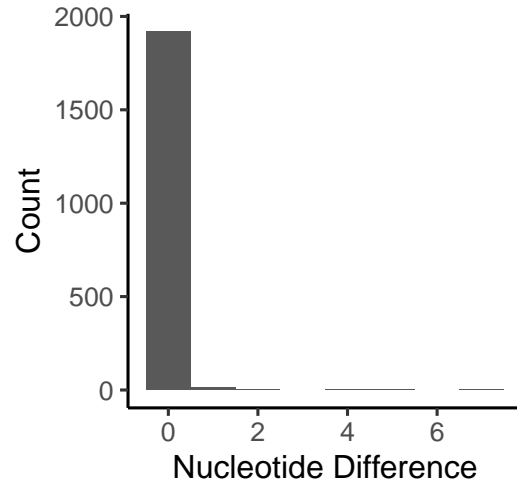
TRBV7-1*ap01_G291C_T

27 sequences assigned
23 (85.2%) exact matches, in which:
23 unique CDR3
10 unique J



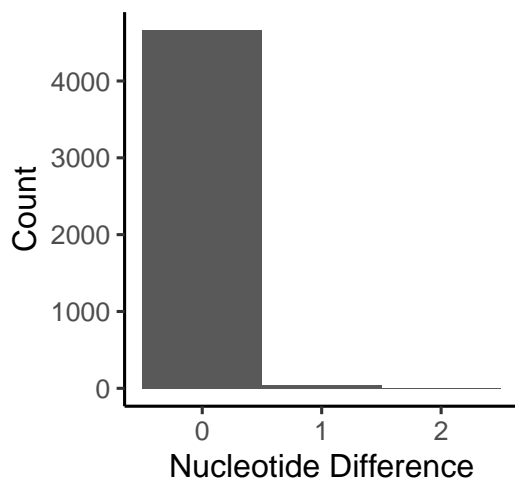
TRBV7-3*ap01

1934 sequences assigned
1918 (99.2%) exact matches, in which:
1897 unique CDR3
13 unique J



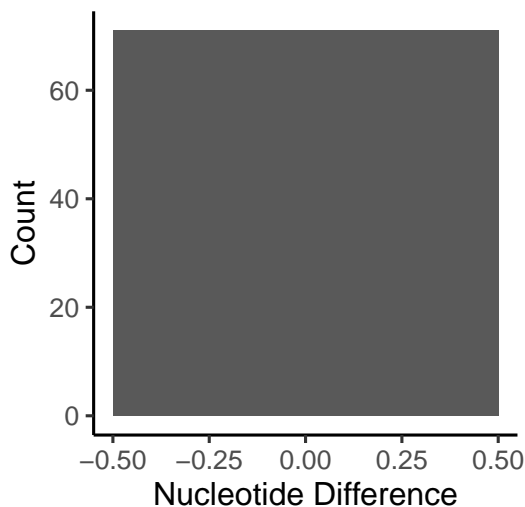
TRBV6-56*ap01

4710 sequences assigned
4663 (99%) exact matches, in which:
4552 unique CDR3
13 unique J



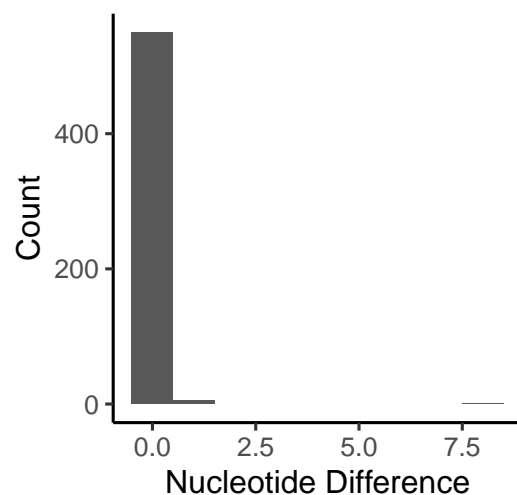
TRBV7-1*ap01_G291C_T

71 sequences assigned
71 (100%) exact matches, in which:
69 unique CDR3
11 unique J



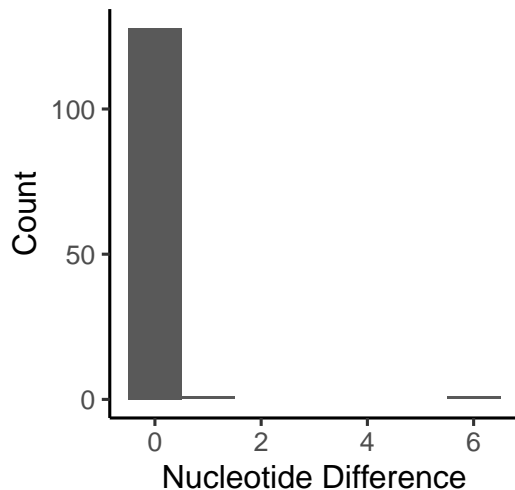
TRBV7-3*ap03

556 sequences assigned
550 (98.9%) exact matches, in which:
543 unique CDR3
13 unique J



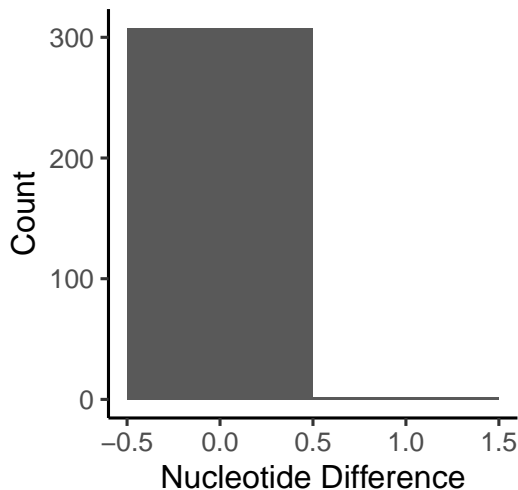
TRBV7-4*ap01

130 sequences assigned
128 (98.5%) exact matches, in which:
124 unique CDR3
13 unique J



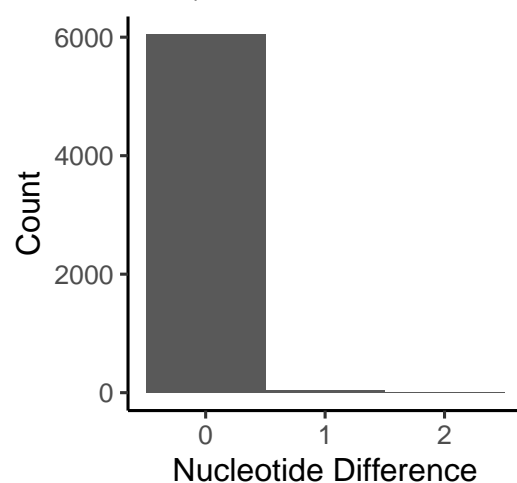
TRBV7-7*ap01_C315T

310 sequences assigned
308 (99.4%) exact matches, in which:
304 unique CDR3
13 unique J



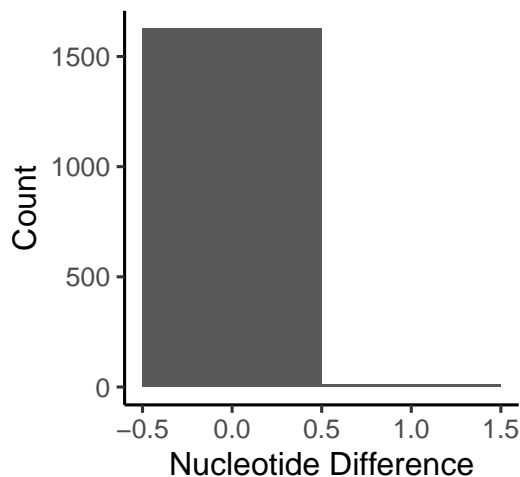
TRBV7-9*ap01

6093 sequences assigned
6047 (99.2%) exact matches, in which:
5942 unique CDR3
13 unique J



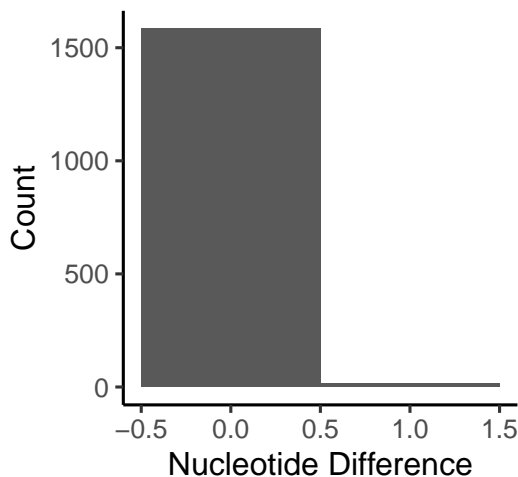
TRBV7-6*ap01

1637 sequences assigned
1626 (99.3%) exact matches, in which:
1598 unique CDR3
13 unique J



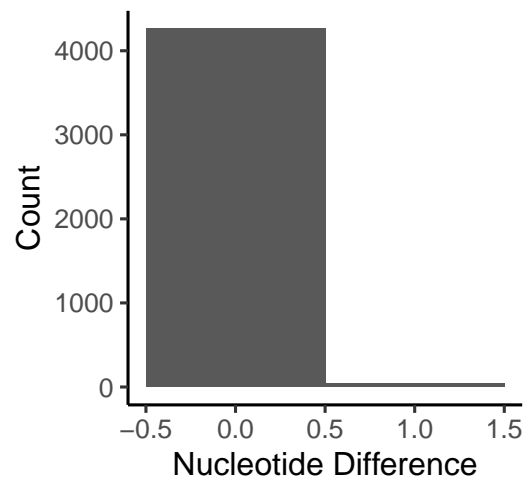
TRBV7-8*ap01

1598 sequences assigned
1584 (99.1%) exact matches, in which:
1552 unique CDR3
13 unique J



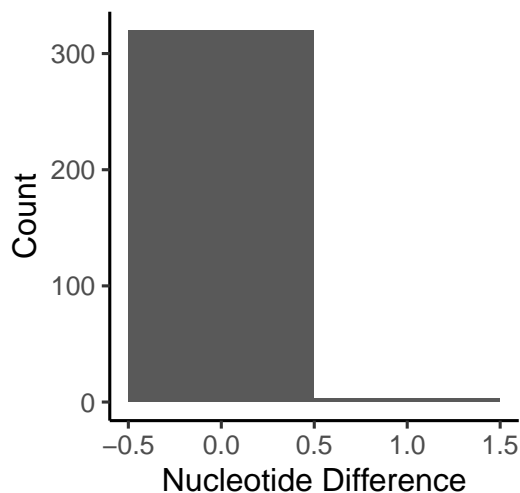
TRBV29-1*ap01

4309 sequences assigned
4262 (98.9%) exact matches, in which:
4150 unique CDR3
13 unique J



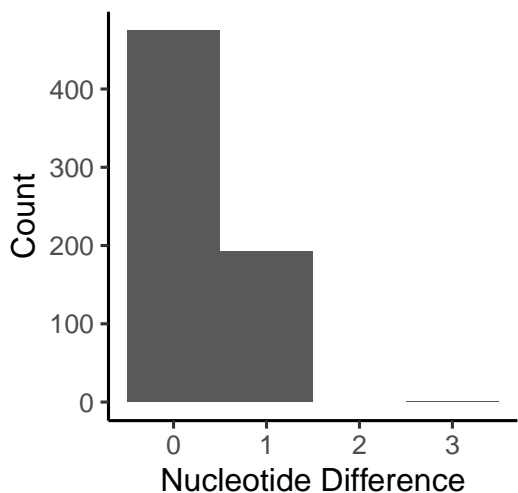
TRBV7-7*ap01

323 sequences assigned
320 (99.1%) exact matches, in which:
317 unique CDR3
13 unique J



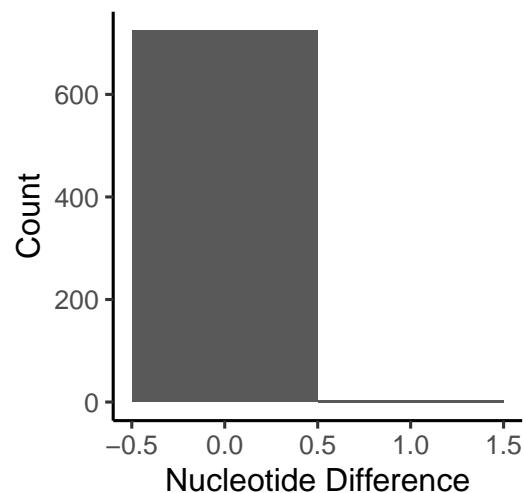
TRBV7-8*ap03

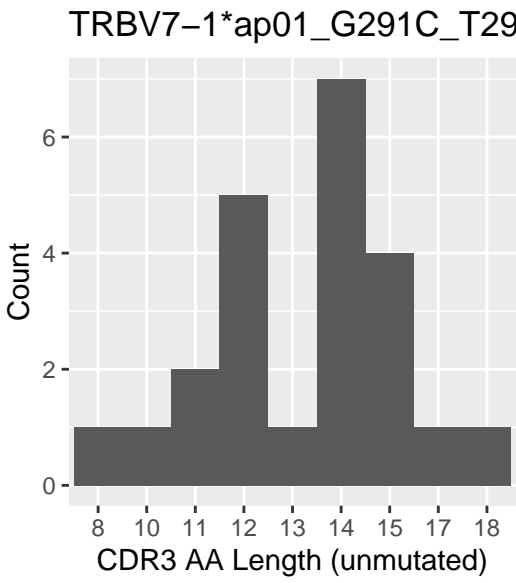
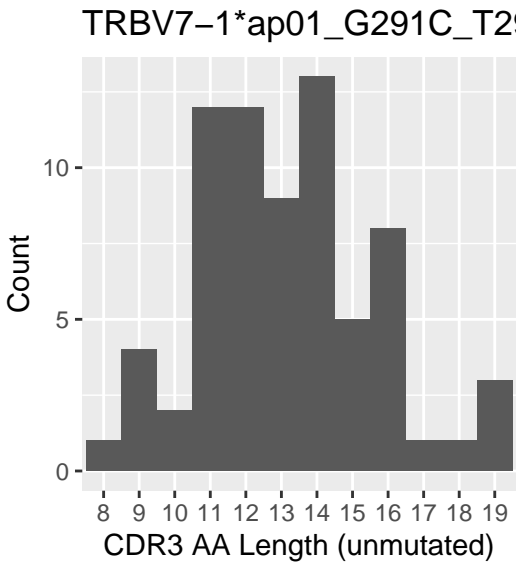
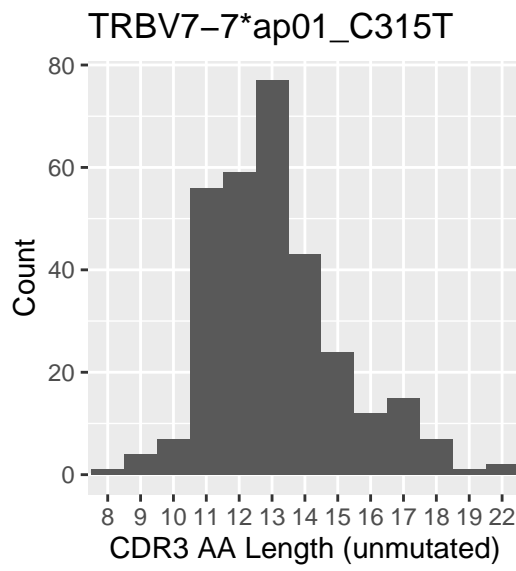
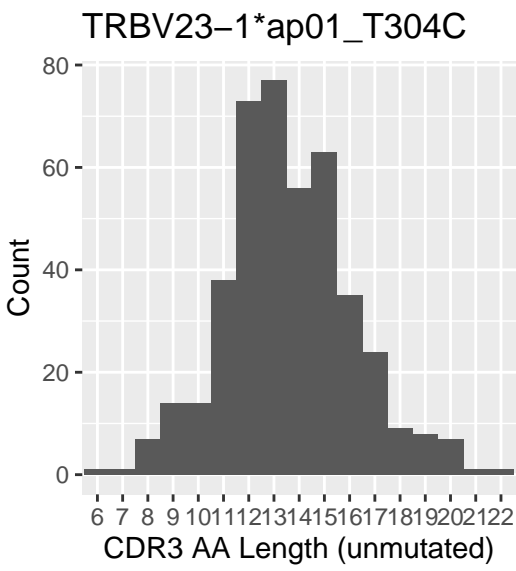
668 sequences assigned
475 (71.1%) exact matches, in which:
460 unique CDR3
13 unique J

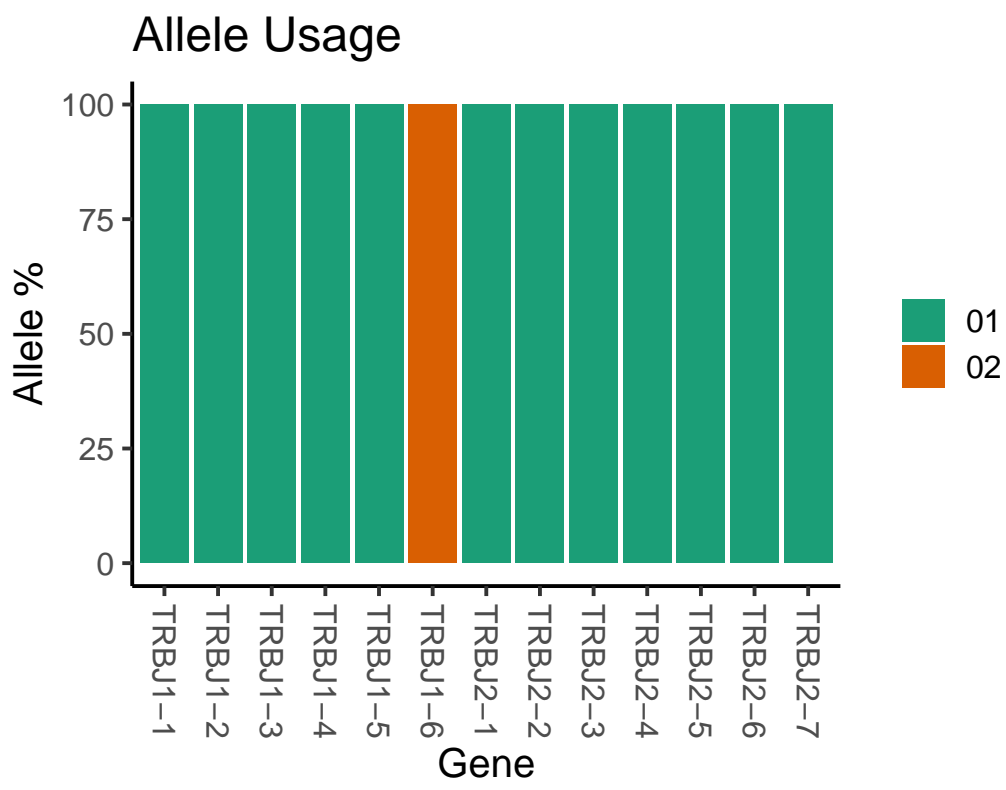


TRBV29-1*ap02

729 sequences assigned
725 (99.5%) exact matches, in which:
707 unique CDR3
13 unique J







Warning – no inferred sequences found.