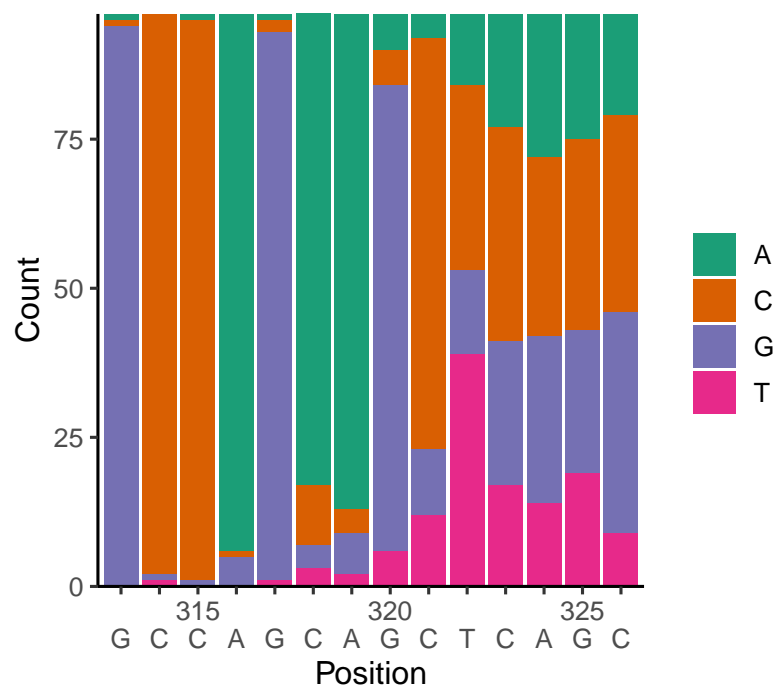
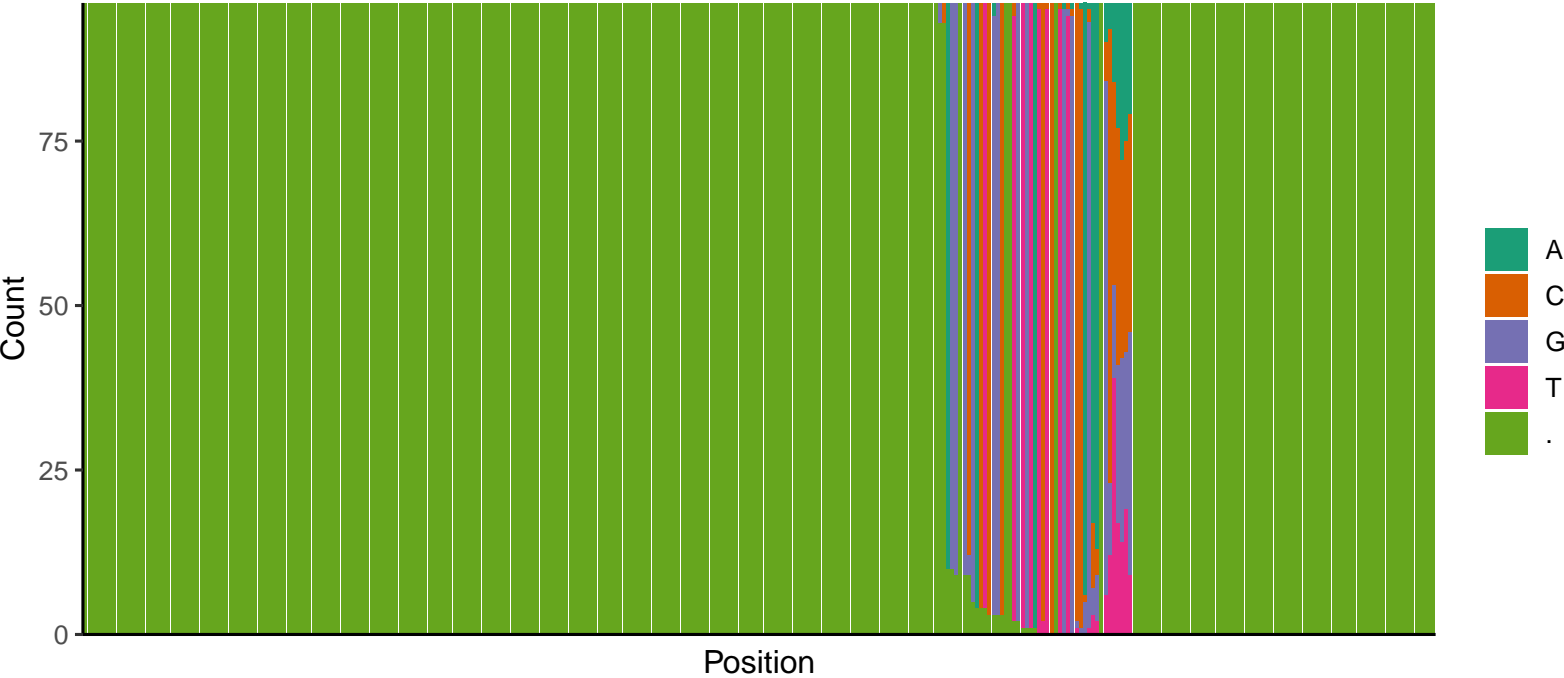


Gene TRBV7-1*ap01_T296C



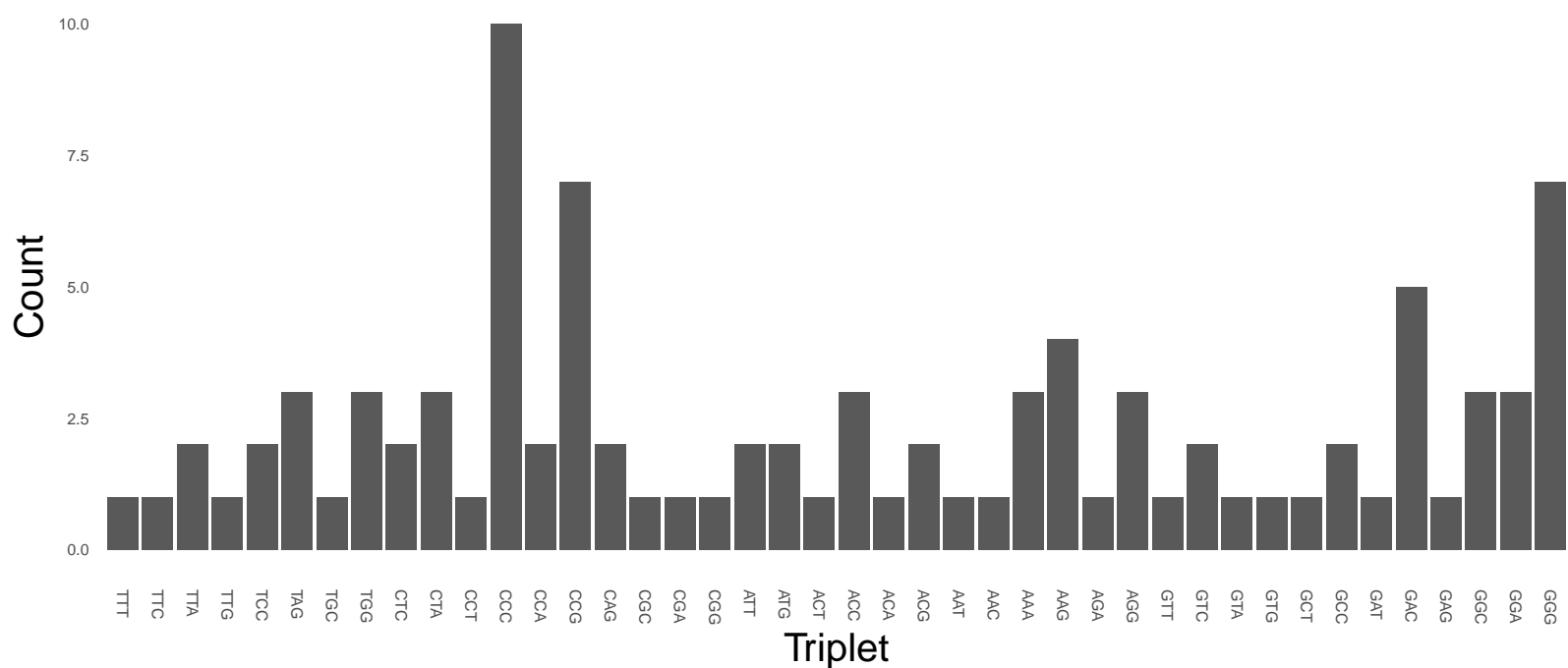
Gene TRBV7-1*ap01_T296C



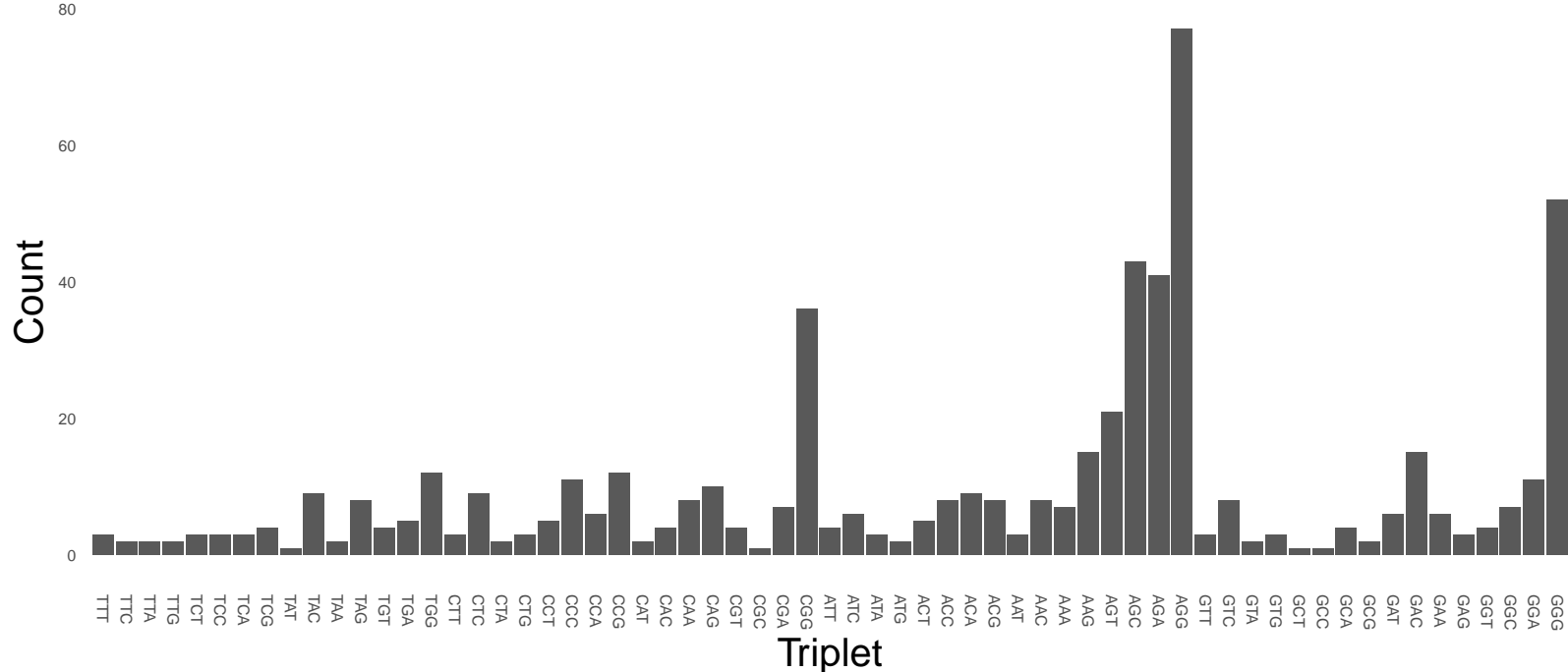
Gene TRBV7-7*ap01_C315T



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

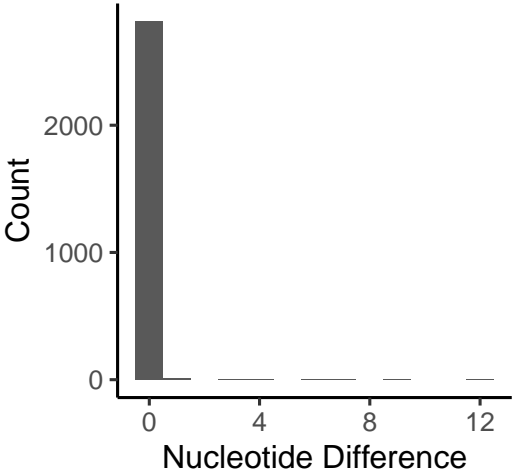


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



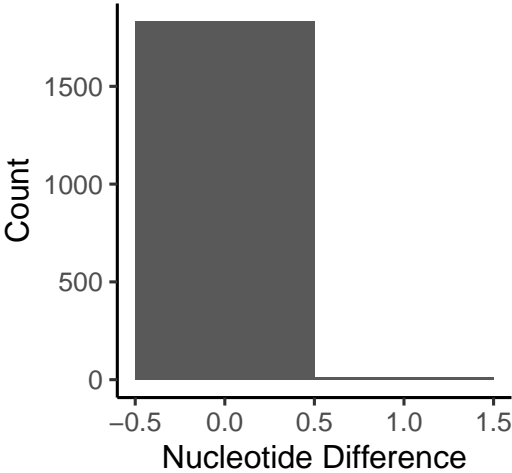
TRBV10-1*ap01

2839 sequences assigned
2816 (99.2%) exact matches, in which:
2792 unique CDR3
13 unique J



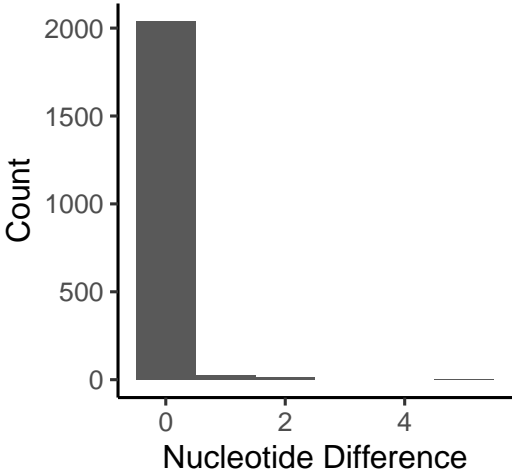
TRBV10-2*ap01

1843 sequences assigned
1832 (99.4%) exact matches, in which:
1821 unique CDR3
13 unique J



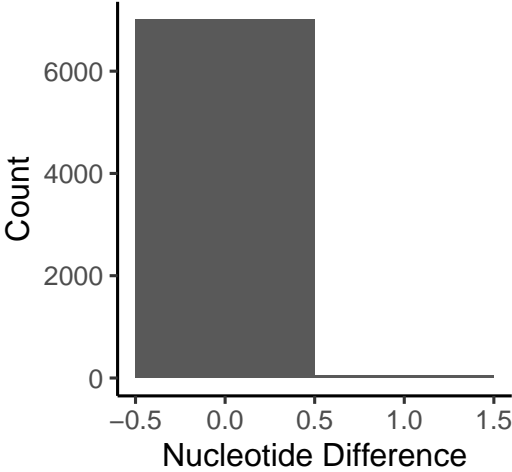
TRBV13*ap01

2077 sequences assigned
2038 (98.1%) exact matches, in which:
2010 unique CDR3
13 unique J



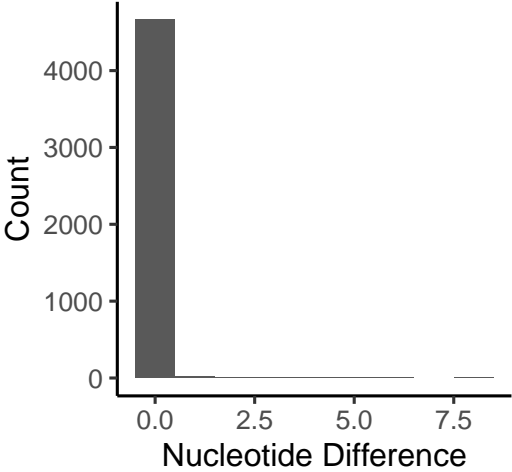
TRBV20-1*ap01

7054 sequences assigned
7006 (99.3%) exact matches, in which:
6966 unique CDR3
13 unique J



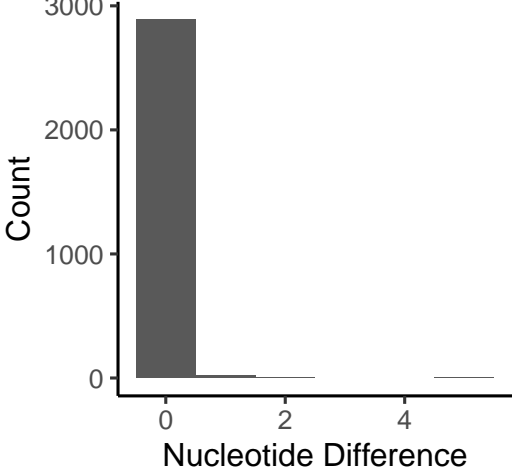
TRBV10-3*ap01

4695 sequences assigned
4662 (99.3%) exact matches, in which:
4627 unique CDR3
13 unique J



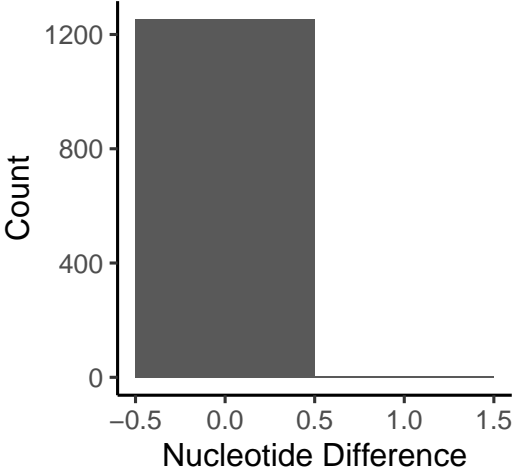
TRBV14*ap01

2911 sequences assigned
2888 (99.2%) exact matches, in which:
2873 unique CDR3
13 unique J



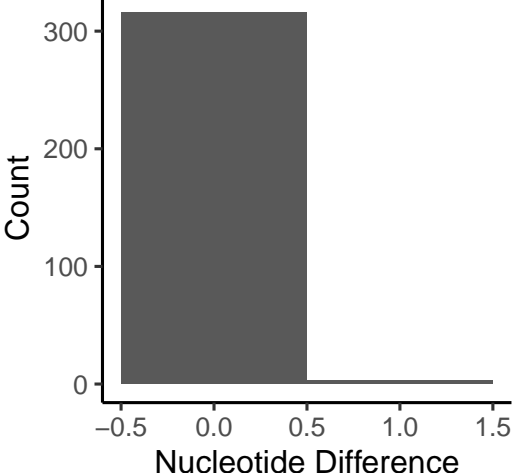
TRBV20-1*ap02

1258 sequences assigned
1254 (99.7%) exact matches, in which:
1248 unique CDR3
13 unique J



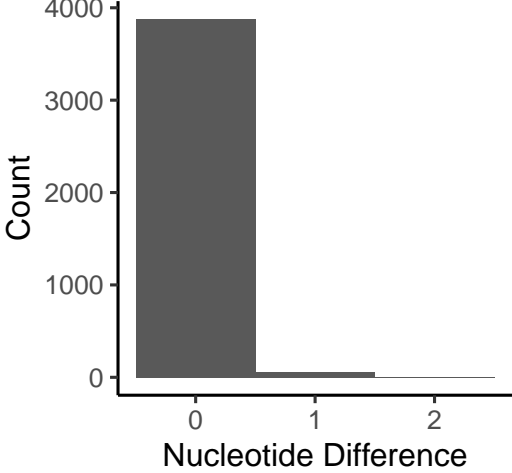
TRBV1*ap01

319 sequences assigned
316 (99.1%) exact matches, in which:
312 unique CDR3
13 unique J



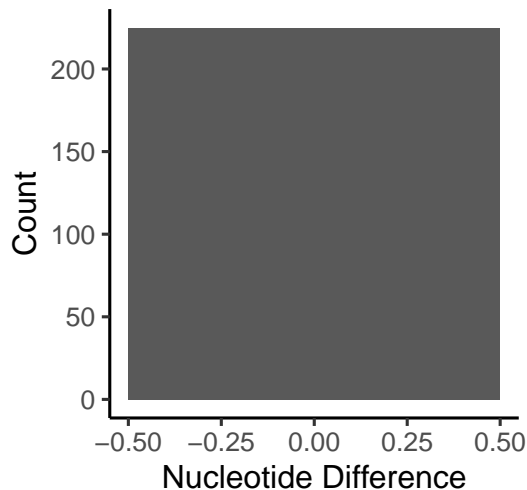
TRBV15*ap02

3935 sequences assigned
3878 (98.6%) exact matches, in which:
3848 unique CDR3
13 unique J



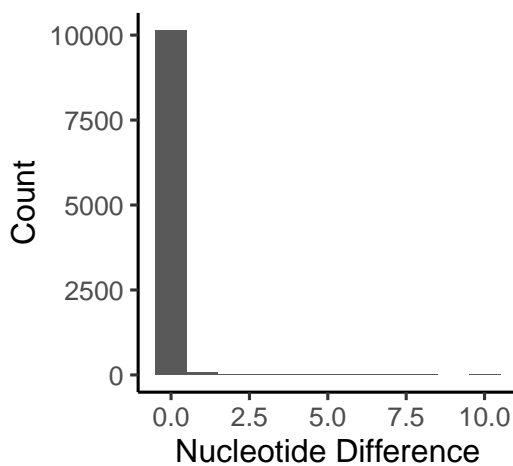
TRBV16*ap01

225 sequences assigned
225 (100%) exact matches, in which:
224 unique CDR3
13 unique J



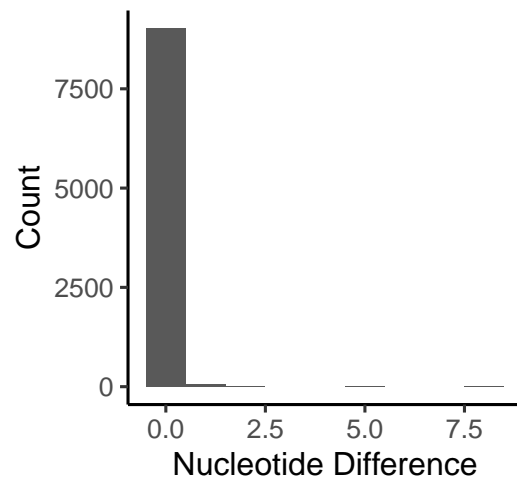
TRBV19*ap01

10219 sequences assigned
10146 (99.3%) exact matches, in which:
10114 unique CDR3
13 unique J



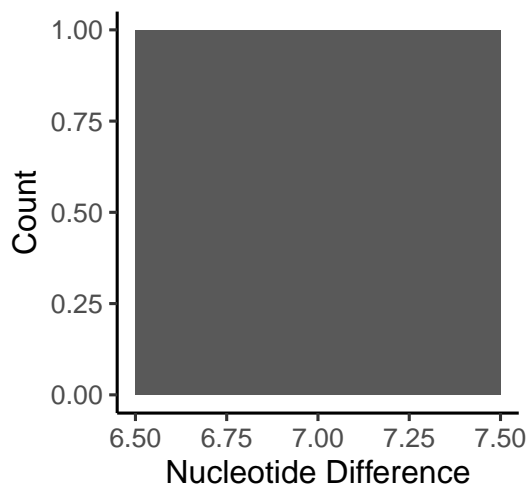
TRBV28*ap01

9076 sequences assigned
9021 (99.4%) exact matches, in which:
8989 unique CDR3
13 unique J



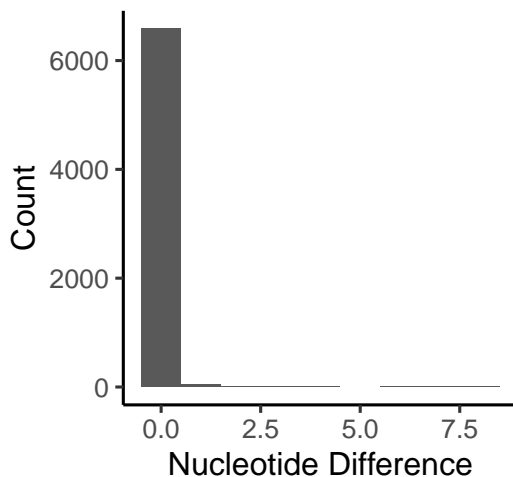
TRBV17*ap01

1 sequences assigned
No exact matches.



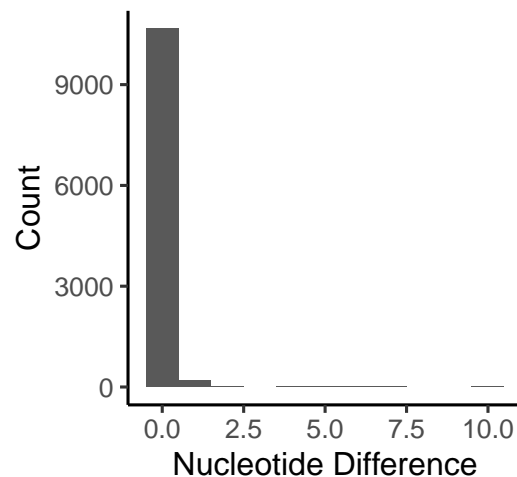
TRBV2*ap01

6633 sequences assigned
6585 (99.3%) exact matches, in which:
6539 unique CDR3
13 unique J



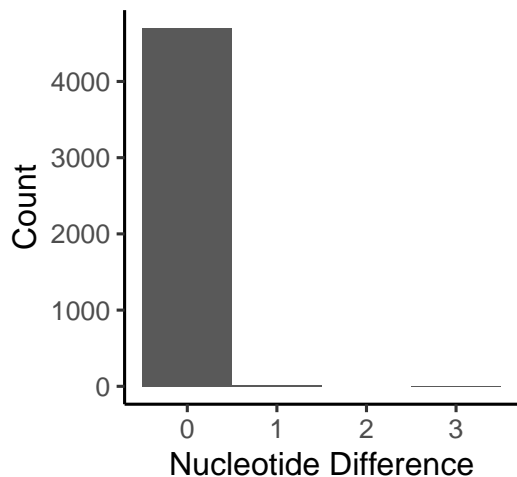
TRBV30*ap01

10856 sequences assigned
10664 (98.2%) exact matches, in which:
10503 unique CDR3
13 unique J



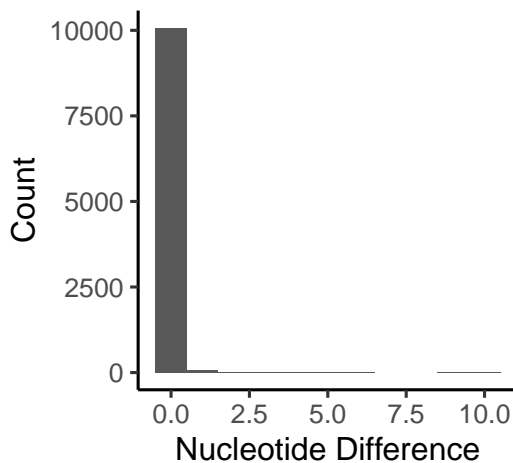
TRBV18*ap01

4716 sequences assigned
4701 (99.7%) exact matches, in which:
4681 unique CDR3
13 unique J



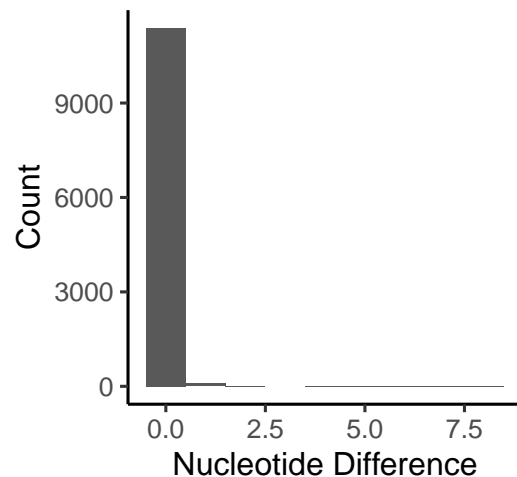
TRBV27*ap01

10149 sequences assigned
10074 (99.3%) exact matches, in which:
10035 unique CDR3
13 unique J



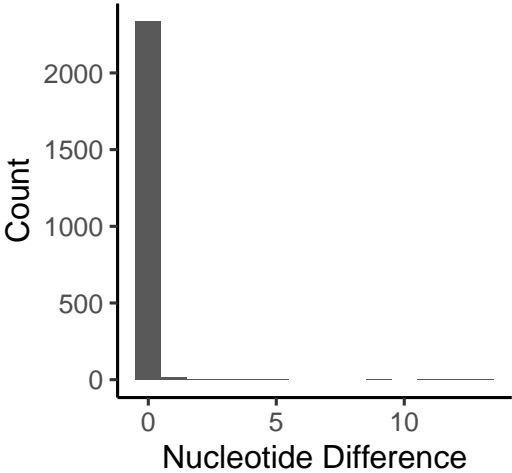
TRBV9*ap01

11476 sequences assigned
11382 (99.2%) exact matches, in which:
11344 unique CDR3
13 unique J



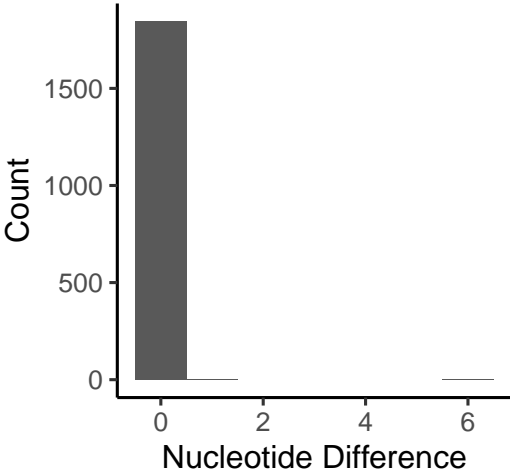
TRBV21-1*ap01

2372 sequences assigned
2336 (98.5%) exact matches, in which:
2327 unique CDR3
13 unique J



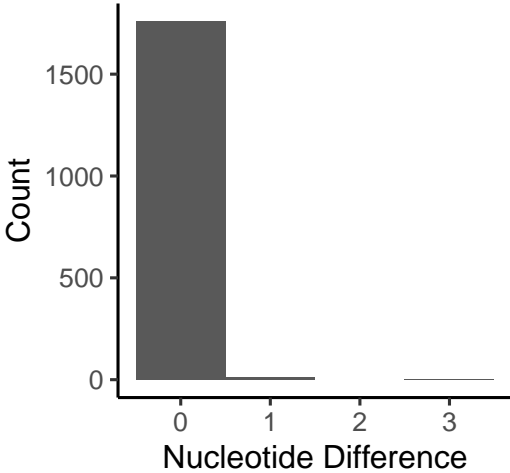
TRBV11-3*ap01

1850 sequences assigned
1845 (99.7%) exact matches, in which:
1842 unique CDR3
13 unique J



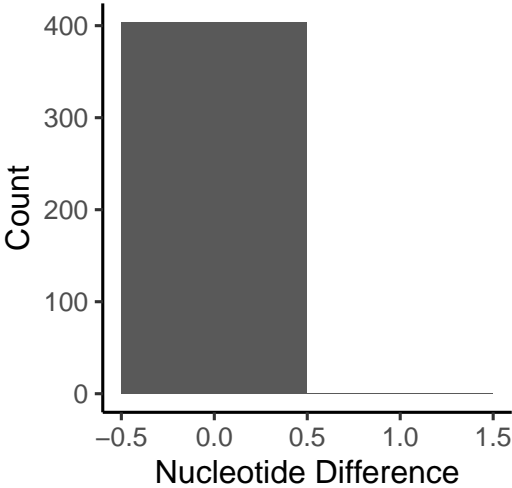
TRBV12-5*ap01

1772 sequences assigned
1759 (99.3%) exact matches, in which:
1751 unique CDR3
13 unique J



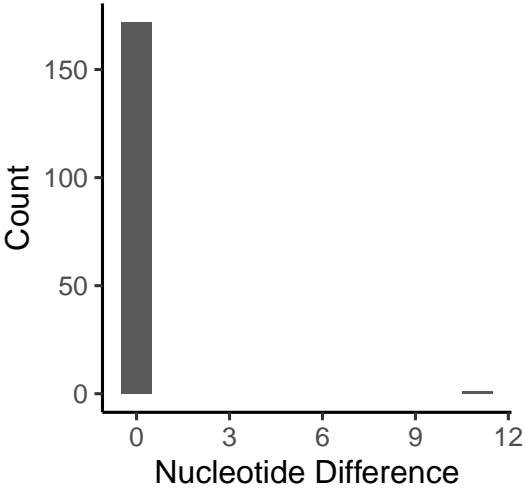
TRBV11-1*ap01

405 sequences assigned
404 (99.8%) exact matches, in which:
403 unique CDR3
13 unique J



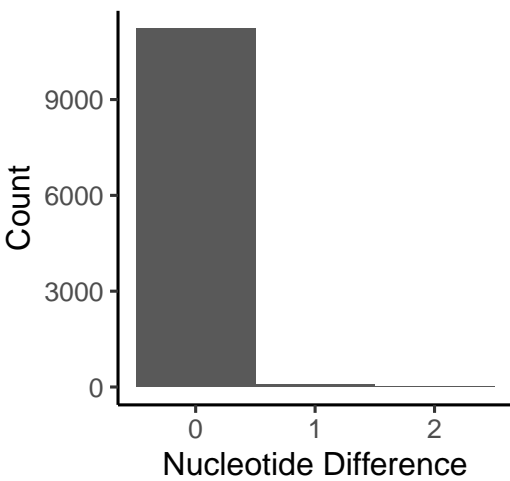
TRBV12-1*ap01

173 sequences assigned
172 (99.4%) exact matches, in which:
171 unique CDR3
13 unique J



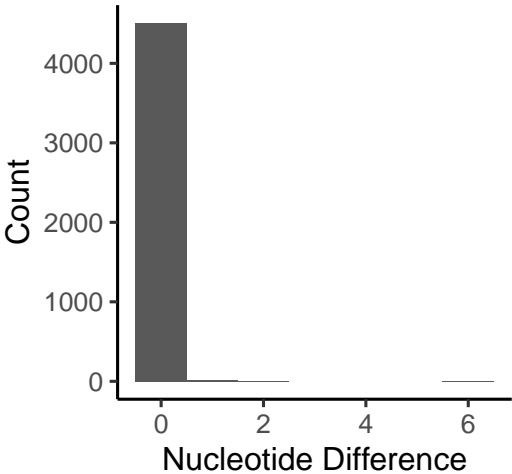
TRBV12-34*ap01

11306 sequences assigned
11218 (99.2%) exact matches, in which:
11145 unique CDR3
13 unique J



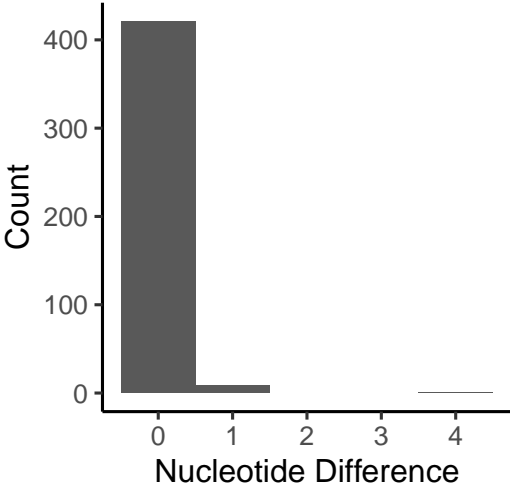
TRBV11-2*ap01

4526 sequences assigned
4507 (99.6%) exact matches, in which:
4494 unique CDR3
13 unique J



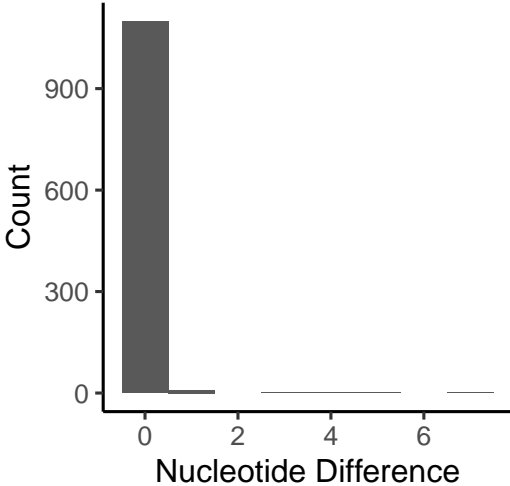
TRBV12-2*ap01

431 sequences assigned
421 (97.7%) exact matches, in which:
418 unique CDR3
13 unique J



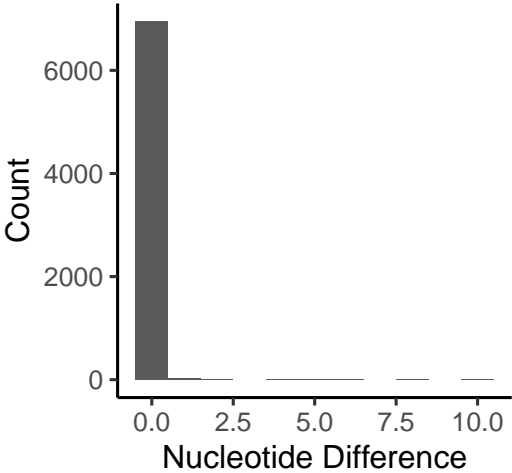
TRBV23-1*ap01

1114 sequences assigned
1099 (98.7%) exact matches, in which:
1092 unique CDR3
13 unique J



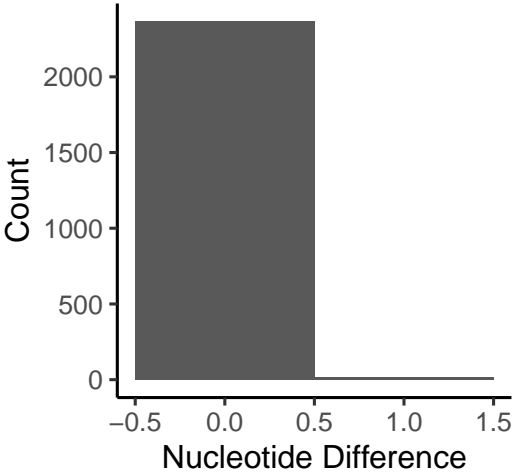
TRBV3-12*ap01

6999 sequences assigned
6950 (99.3%) exact matches, in which:
6931 unique CDR3
13 unique J



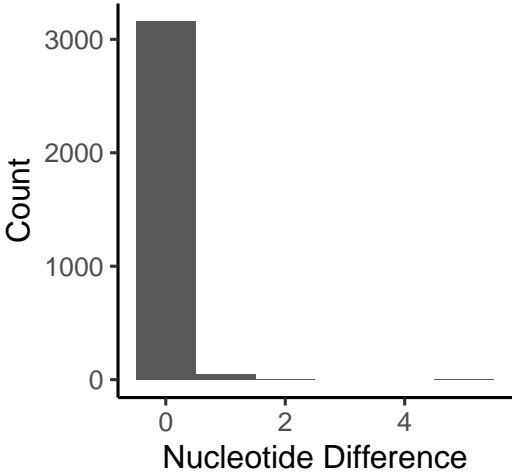
TRBV4-2*ap01

2385 sequences assigned
2366 (99.2%) exact matches, in which:
2346 unique CDR3
13 unique J



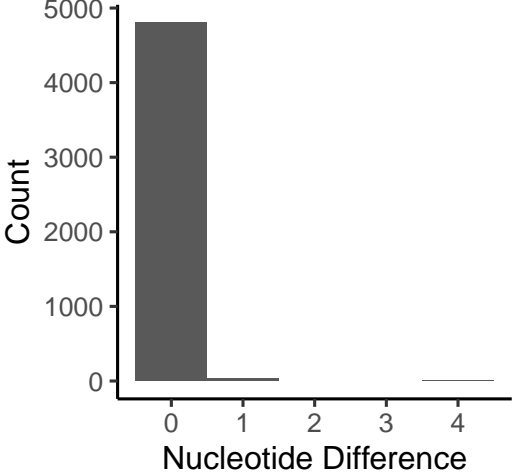
TRBV25-1*ap01

3209 sequences assigned
3158 (98.4%) exact matches, in which:
3121 unique CDR3
13 unique J



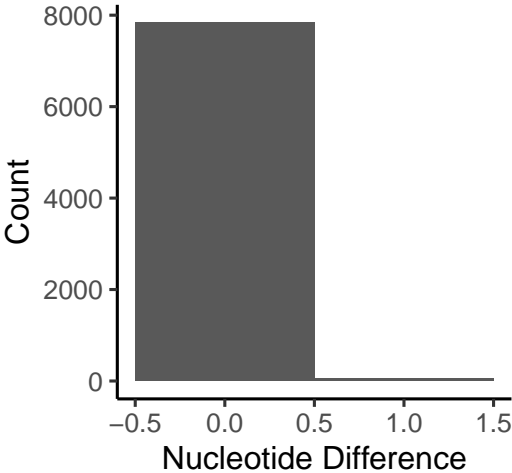
TRBV4-1*ap01

4836 sequences assigned
4803 (99.3%) exact matches, in which:
4755 unique CDR3
13 unique J



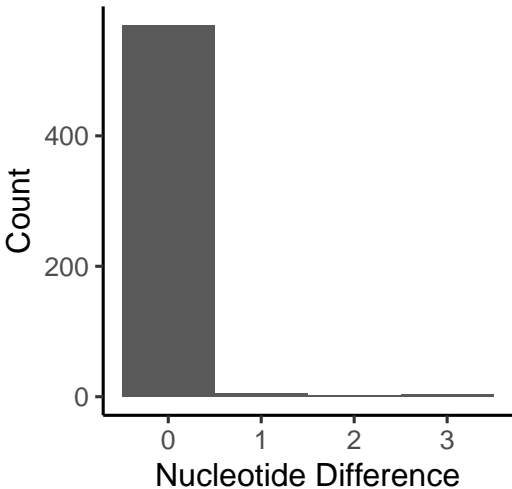
TRBV4-3*ap01

7885 sequences assigned
7835 (99.4%) exact matches, in which:
7774 unique CDR3
13 unique J



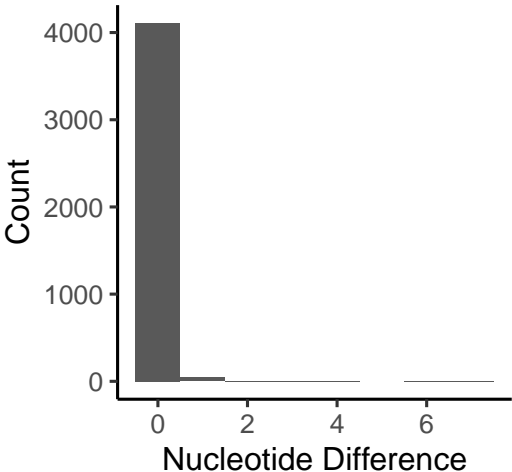
TRBV5-3*ap01

581 sequences assigned
570 (98.1%) exact matches, in which:
565 unique CDR3
13 unique J



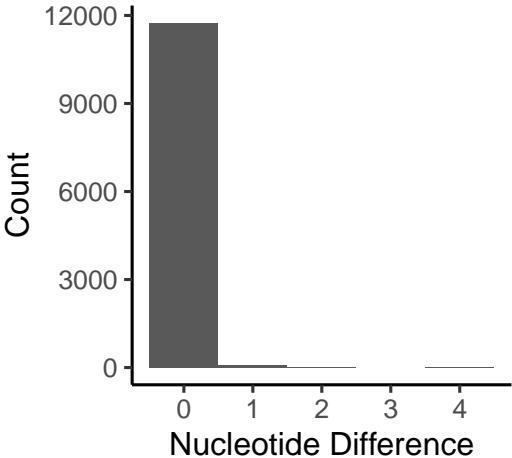
TRBV24-1*ap01

4160 sequences assigned
4109 (98.8%) exact matches, in which:
4088 unique CDR3
13 unique J



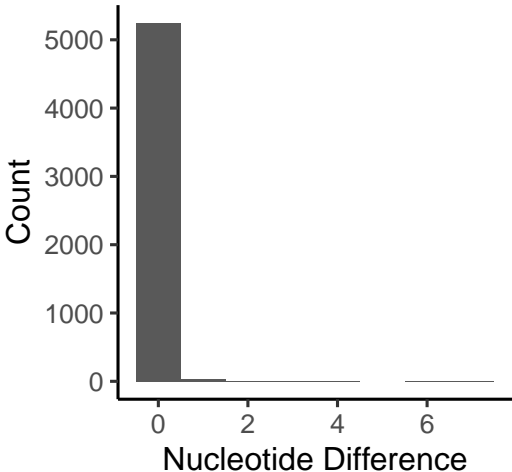
TRBV5-1*ap01

11851 sequences assigned
11750 (99.1%) exact matches, in which:
11635 unique CDR3
13 unique J



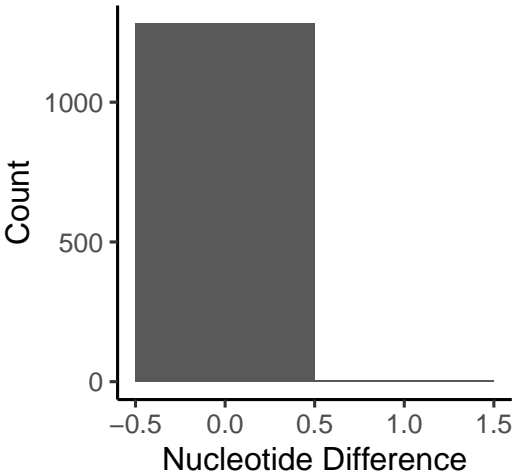
TRBV5-4*ap01

5287 sequences assigned
5245 (99.2%) exact matches, in which:
5196 unique CDR3
13 unique J



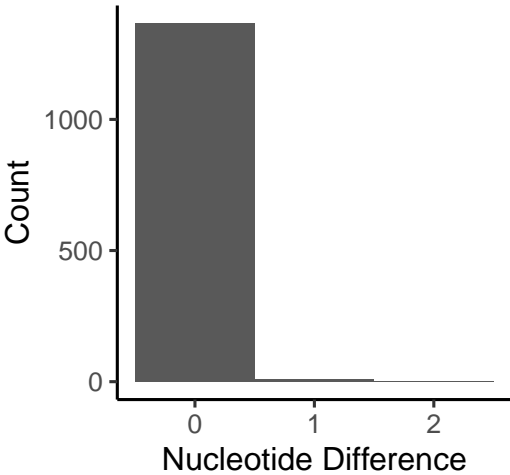
TRBV5-5*ap01

1287 sequences assigned
1282 (99.6%) exact matches, in which:
1279 unique CDR3
13 unique J



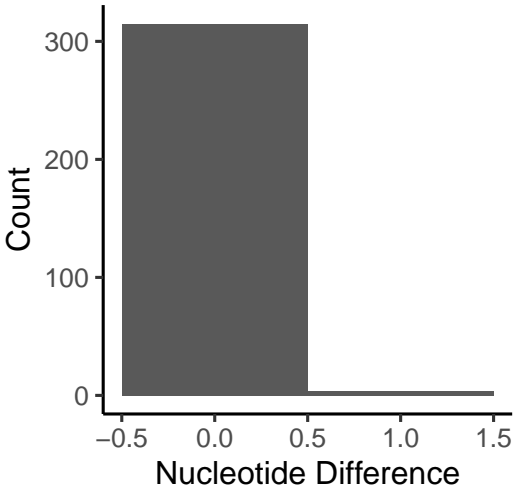
TRBV5-8*ap01

1375 sequences assigned
1366 (99.3%) exact matches, in which:
1362 unique CDR3
13 unique J



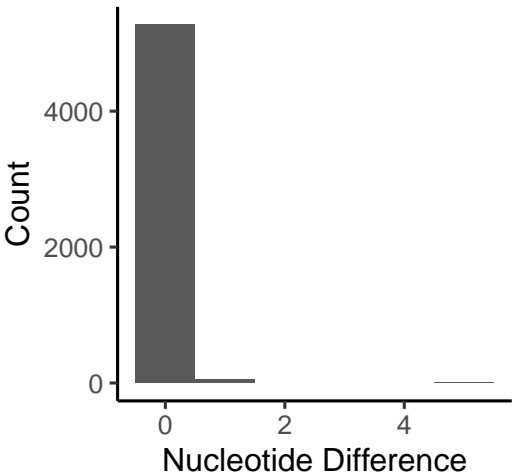
TRBV6-7*ap01

319 sequences assigned
315 (98.7%) exact matches, in which:
312 unique CDR3
13 unique J



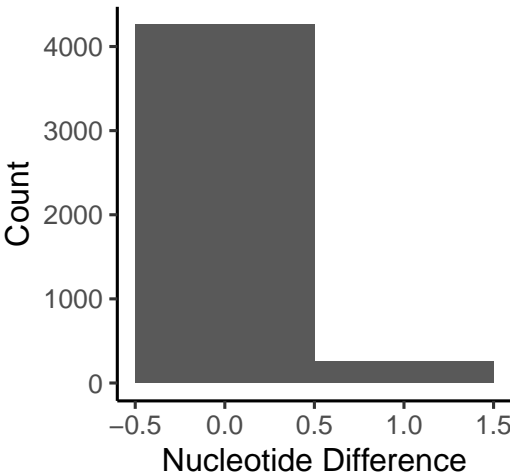
TRBV5-6*ap01

5331 sequences assigned
5272 (98.9%) exact matches, in which:
5200 unique CDR3
13 unique J



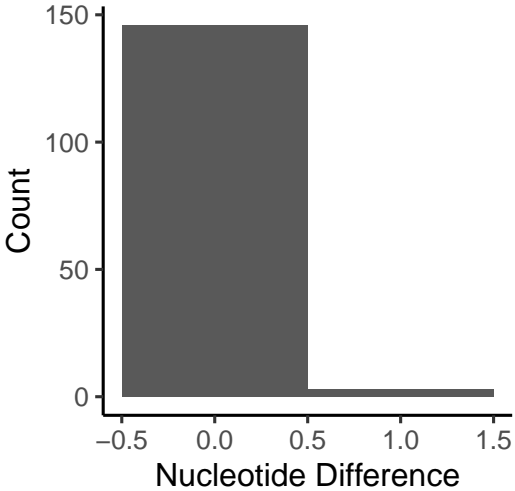
TRBV6-1*ap01

4510 sequences assigned
4259 (94.4%) exact matches, in which:
4214 unique CDR3
13 unique J



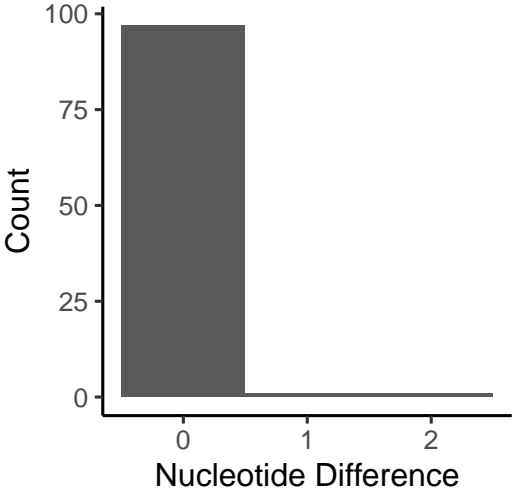
TRBV6-8*ap01

149 sequences assigned
146 (98%) exact matches, in which:
144 unique CDR3
13 unique J



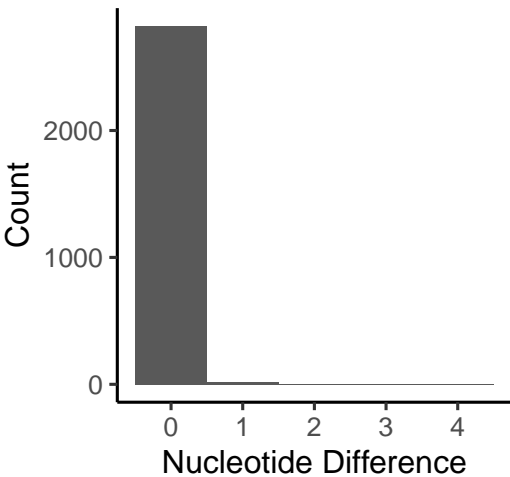
TRBV5-7*ap01

99 sequences assigned
97 (98%) exact matches, in which:
97 unique CDR3
13 unique J



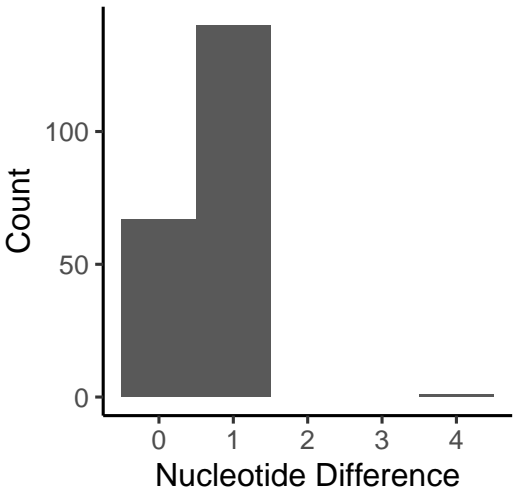
TRBV6-4*ap01

2850 sequences assigned
2823 (99.1%) exact matches, in which:
2806 unique CDR3
13 unique J



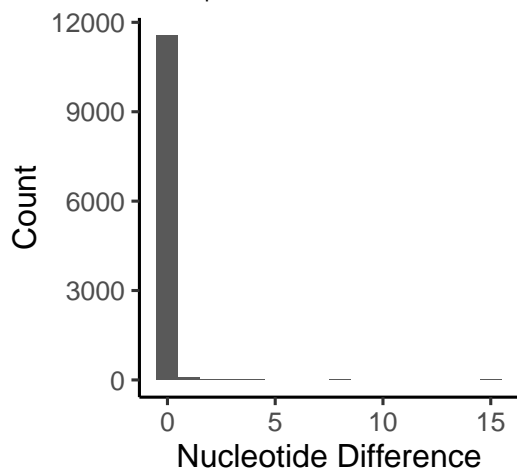
TRBV6-9*ap01

208 sequences assigned
67 (32.2%) exact matches, in which:
66 unique CDR3
11 unique J



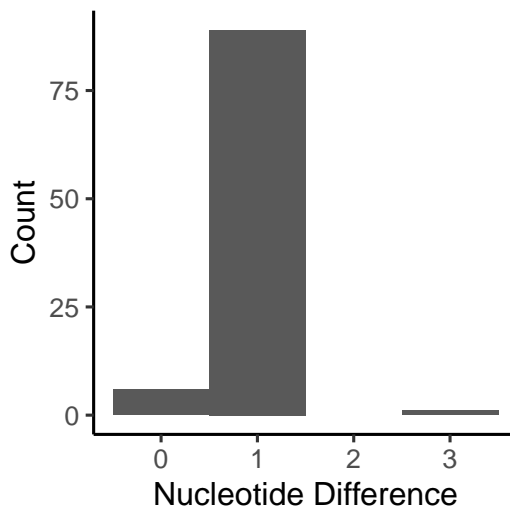
TRBV6–23*ap01

11675 sequences assigned
11570 (99.1%) exact matches, in which:
11417 unique CDR3
13 unique J



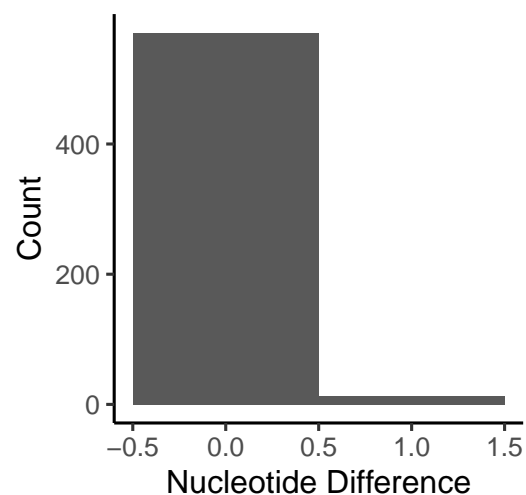
TRBV7–1*ap01_T296C

96 sequences assigned
6 (6.2%) exact matches, in which:
6 unique CDR3
5 unique J



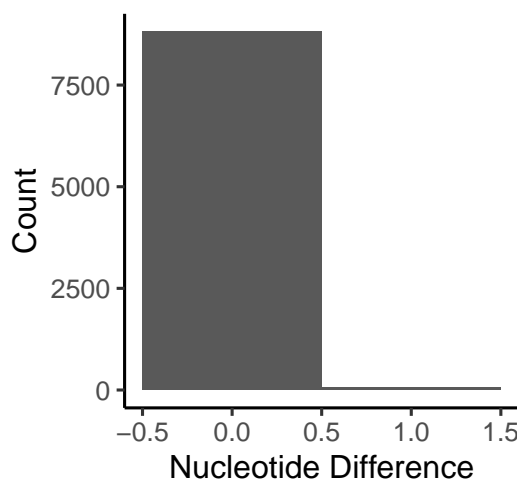
TRBV7–3*ap02

584 sequences assigned
571 (97.8%) exact matches, in which:
571 unique CDR3
13 unique J



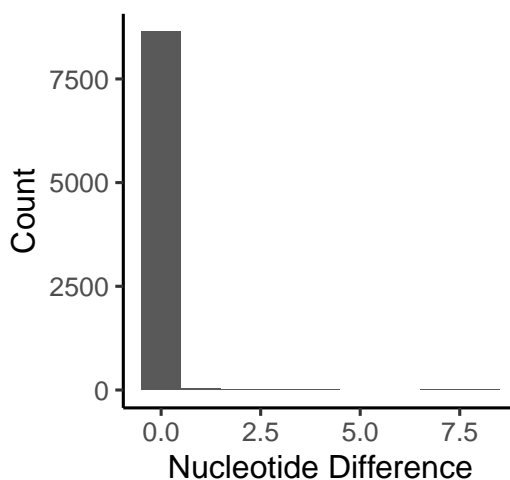
TRBV6–56*ap01

8881 sequences assigned
8812 (99.2%) exact matches, in which:
8716 unique CDR3
13 unique J



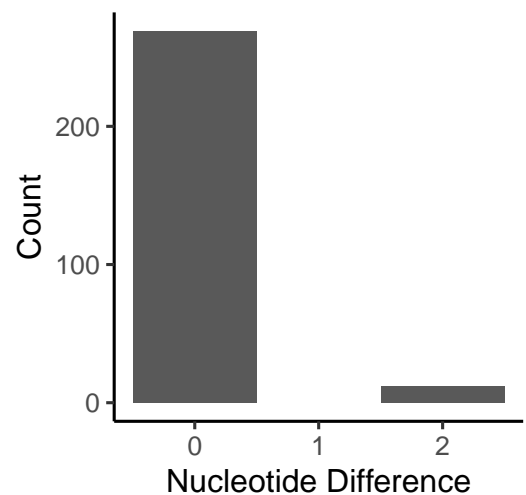
TRBV7–2*ap01

8670 sequences assigned
8638 (99.6%) exact matches, in which:
8590 unique CDR3
13 unique J



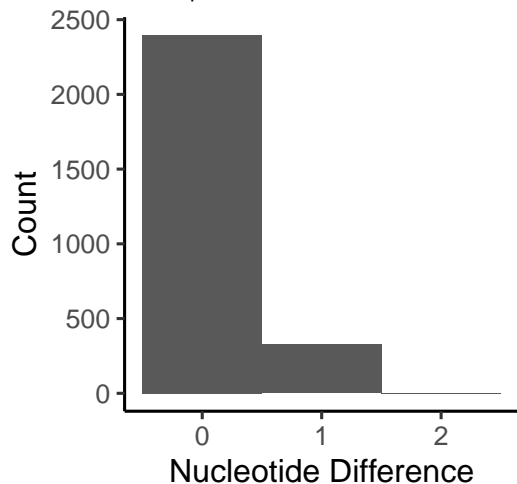
TRBV7–4*ap01

281 sequences assigned
269 (95.7%) exact matches, in which:
266 unique CDR3
13 unique J



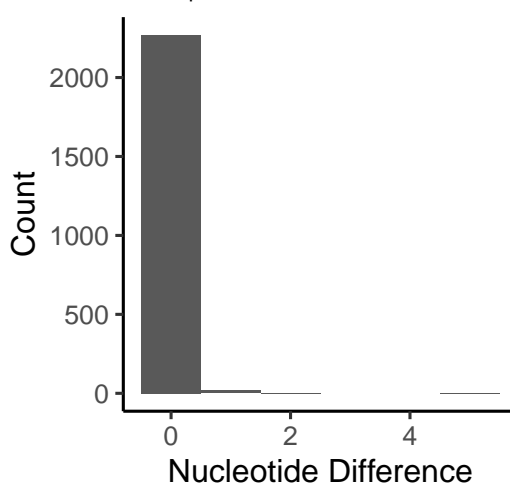
TRBV6–56*ap02

2724 sequences assigned
2397 (88%) exact matches, in which:
2365 unique CDR3
13 unique J



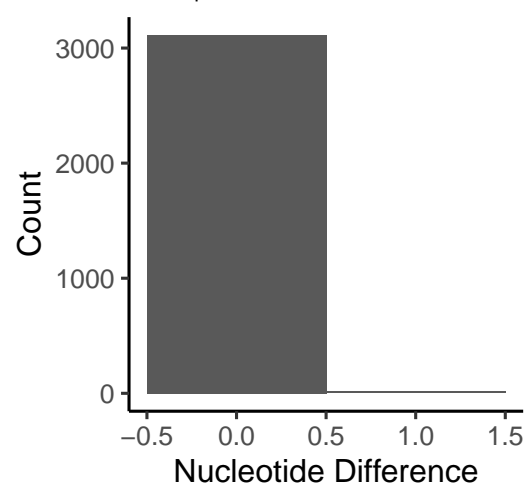
TRBV7–3*ap01

2291 sequences assigned
2269 (99%) exact matches, in which:
2260 unique CDR3
13 unique J



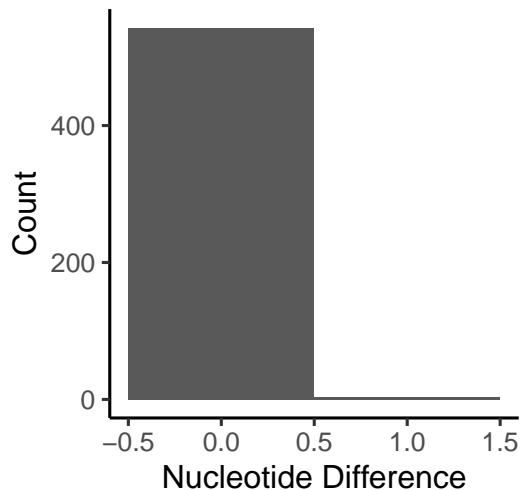
TRBV7–6*ap01

3129 sequences assigned
3113 (99.5%) exact matches, in which:
3081 unique CDR3
13 unique J



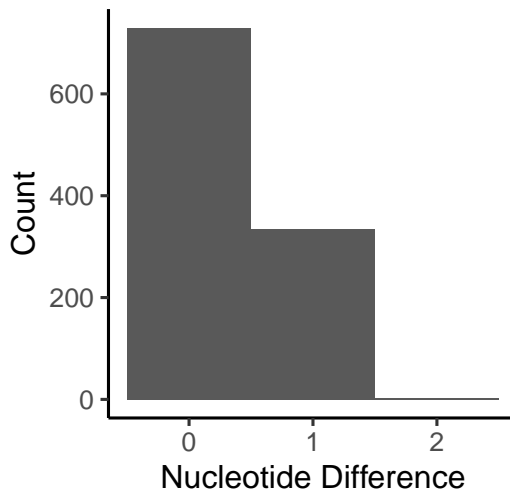
TRBV7-7*ap01

547 sequences assigned
543 (99.3%) exact matches, in which:
539 unique CDR3
13 unique J



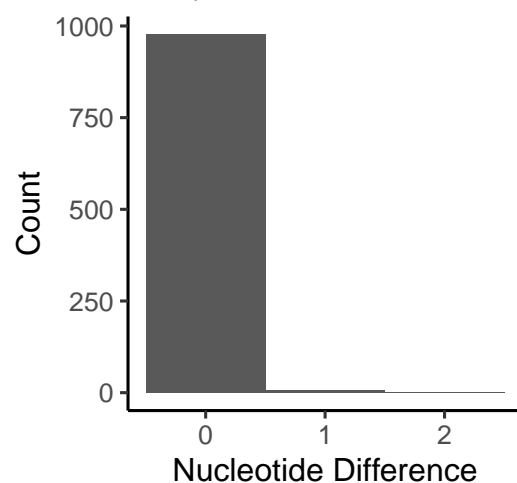
TRBV7-8*ap03

1068 sequences assigned
730 (68.4%) exact matches, in which:
729 unique CDR3
13 unique J



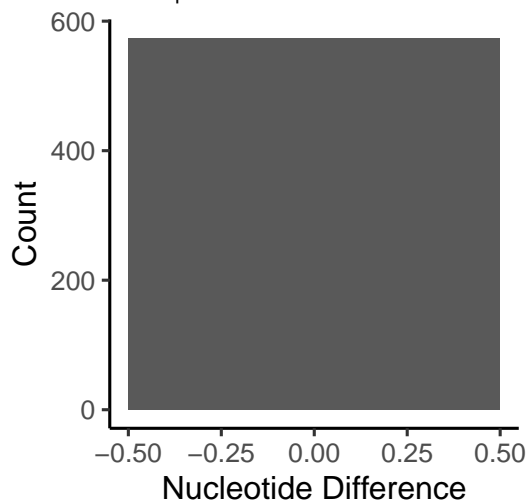
TRBV29-1*ap02

984 sequences assigned
977 (99.3%) exact matches, in which:
956 unique CDR3
13 unique J



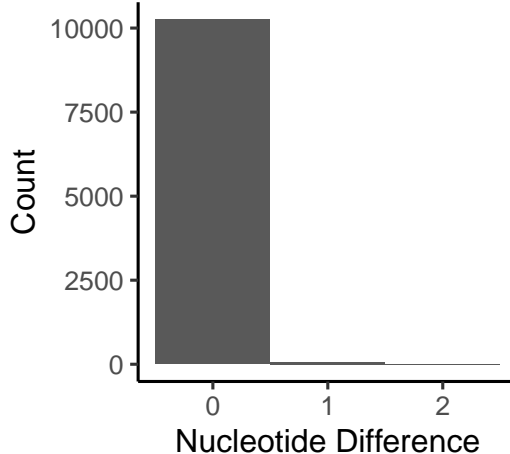
TRBV7-7*ap01_C315T

574 sequences assigned
574 (100%) exact matches, in which:
569 unique CDR3
13 unique J



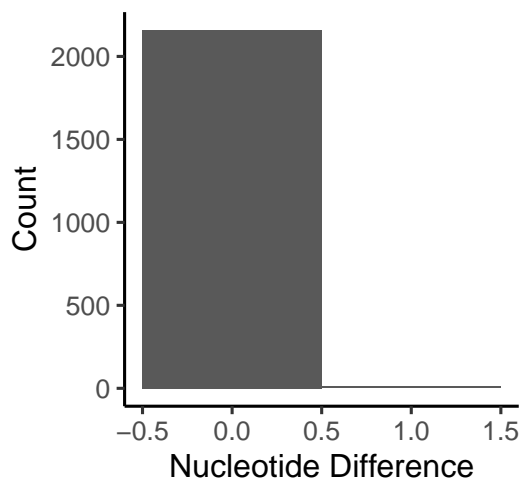
TRBV7-9*ap01

10322 sequences assigned
10256 (99.4%) exact matches, in which:
10198 unique CDR3
13 unique J



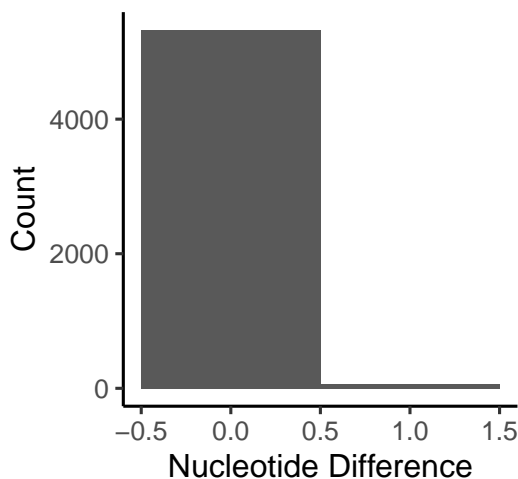
TRBV7-8*ap01

2171 sequences assigned
2159 (99.4%) exact matches, in which:
2144 unique CDR3
13 unique J

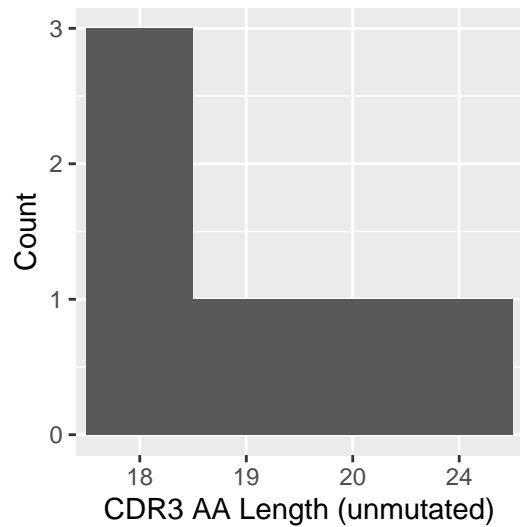


TRBV29-1*ap01

5392 sequences assigned
5324 (98.7%) exact matches, in which:
5242 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

