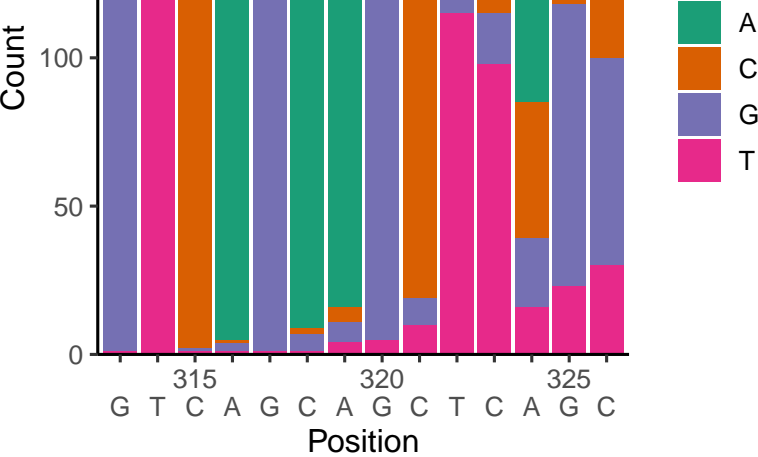
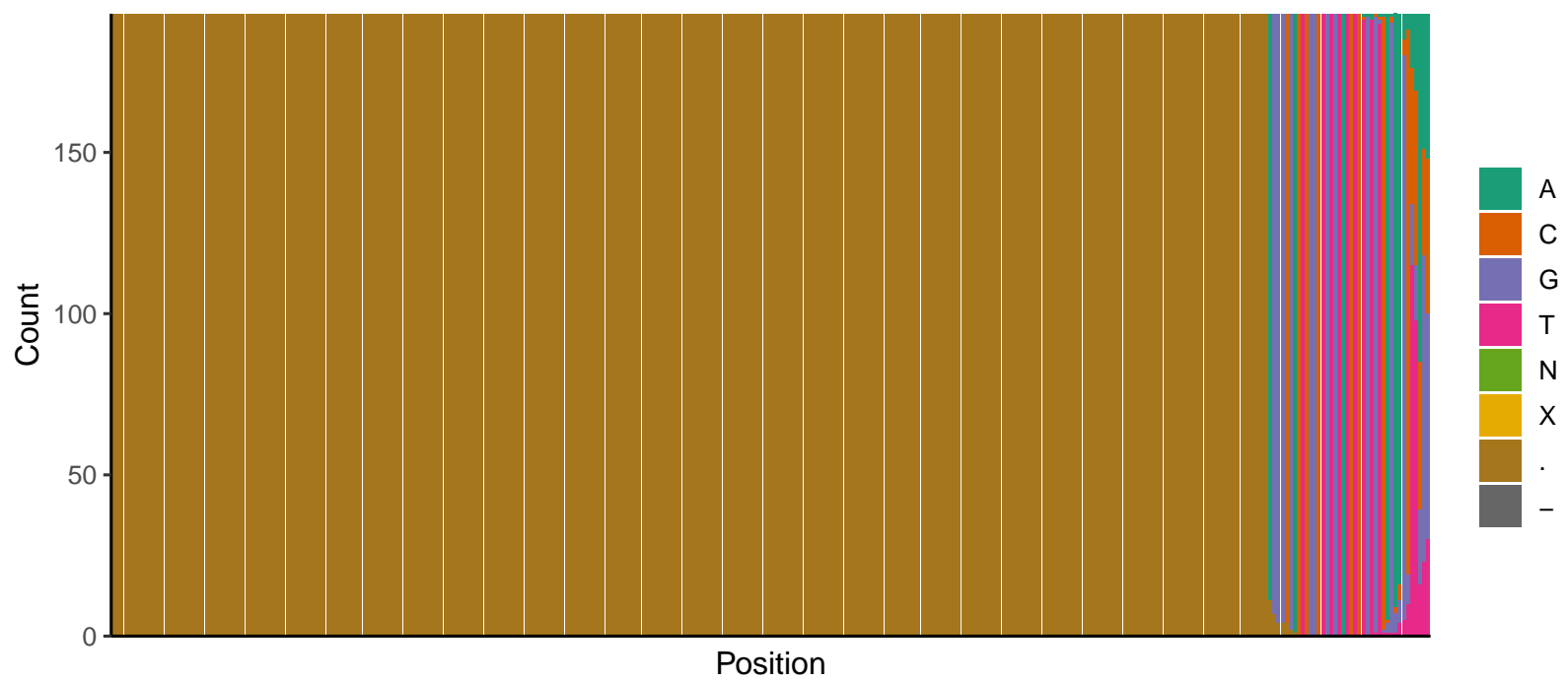


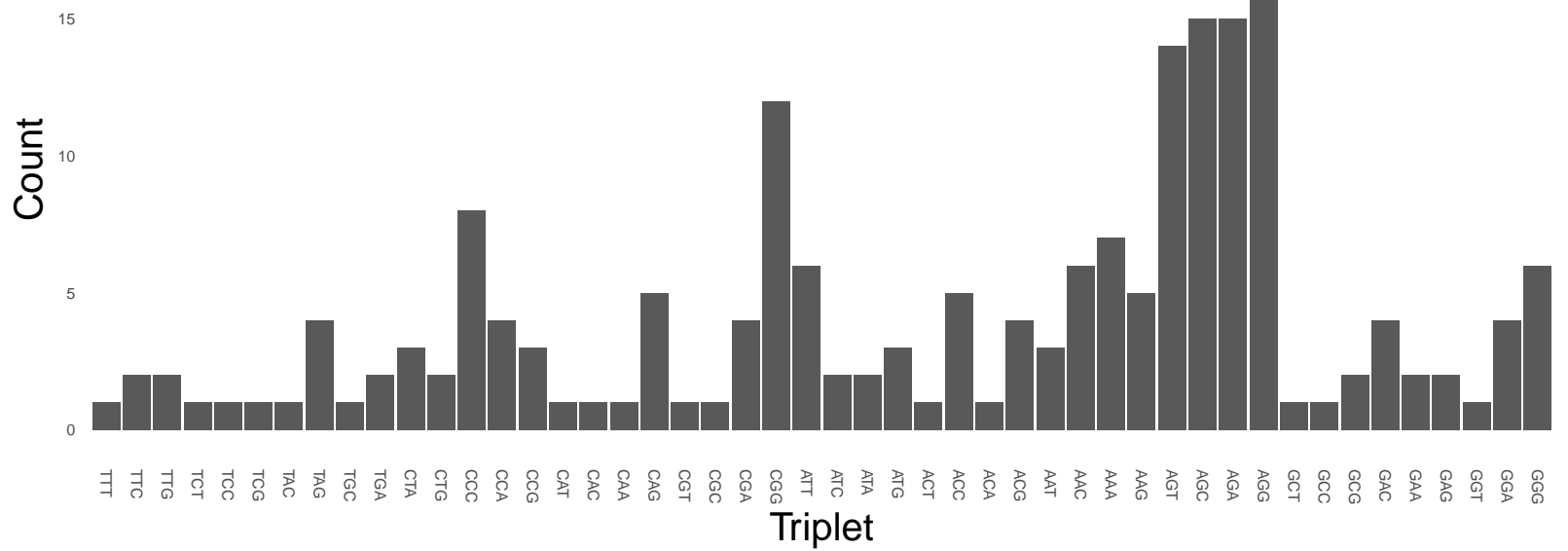
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T

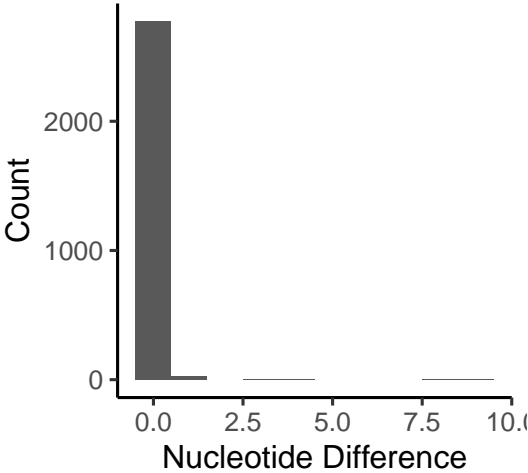


TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



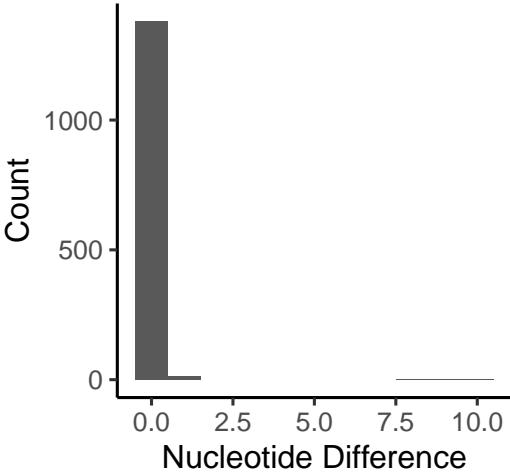
TRBV10-1*ap01

2804 sequences assigned
2773 (98.9%) exact matches, in which:
2714 unique CDR3
13 unique J



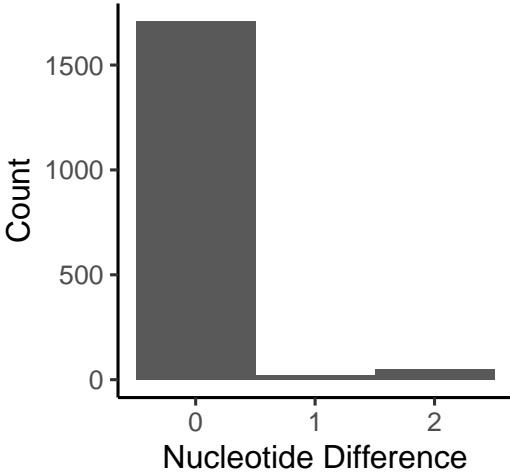
TRBV10-2*ap01

1395 sequences assigned
1380 (98.9%) exact matches, in which:
1360 unique CDR3
13 unique J



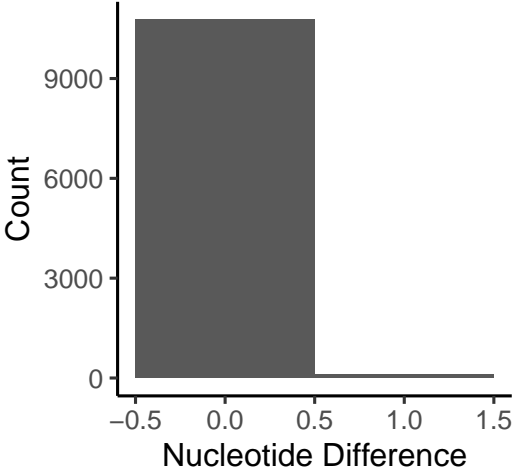
TRBV13*ap01

1779 sequences assigned
1708 (96%) exact matches, in which:
1659 unique CDR3
13 unique J



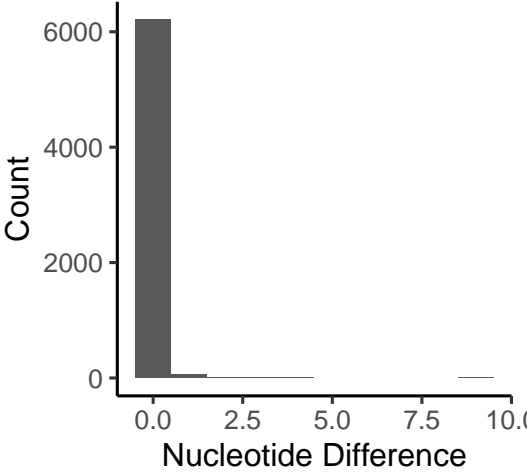
TRBV20-1*ap01

10863 sequences assigned
10767 (99.1%) exact matches, in which:
10663 unique CDR3
13 unique J



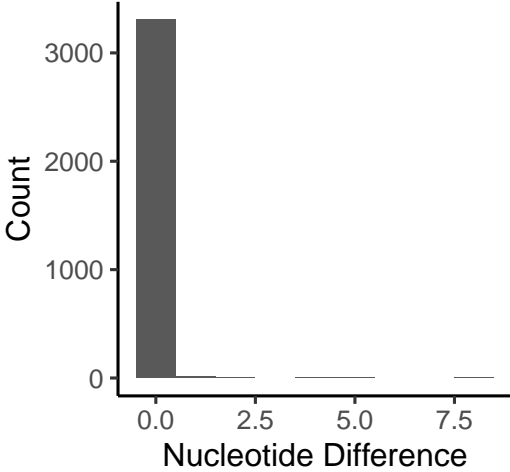
TRBV10-3*ap01

6281 sequences assigned
6209 (98.9%) exact matches, in which:
6099 unique CDR3
13 unique J



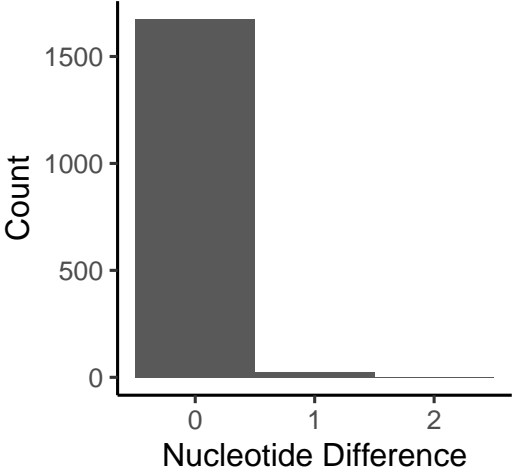
TRBV14*ap01

3325 sequences assigned
3306 (99.4%) exact matches, in which:
3273 unique CDR3
13 unique J



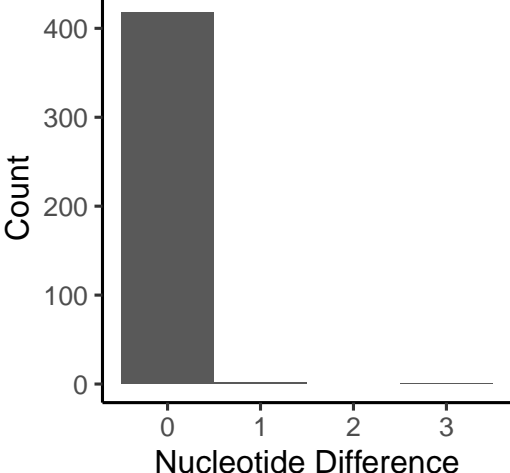
TRBV20-1*ap02

1701 sequences assigned
1675 (98.5%) exact matches, in which:
1666 unique CDR3
13 unique J



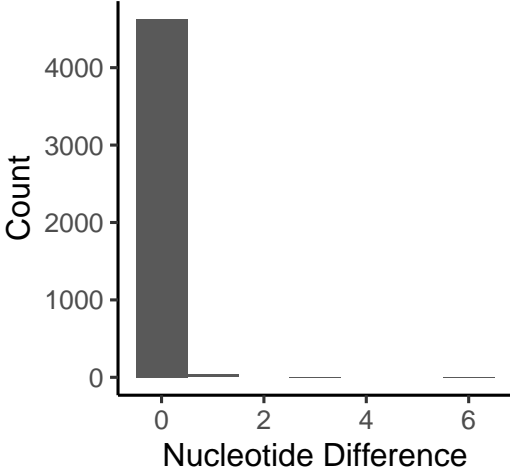
TRBV1*ap01

421 sequences assigned
418 (99.3%) exact matches, in which:
405 unique CDR3
13 unique J



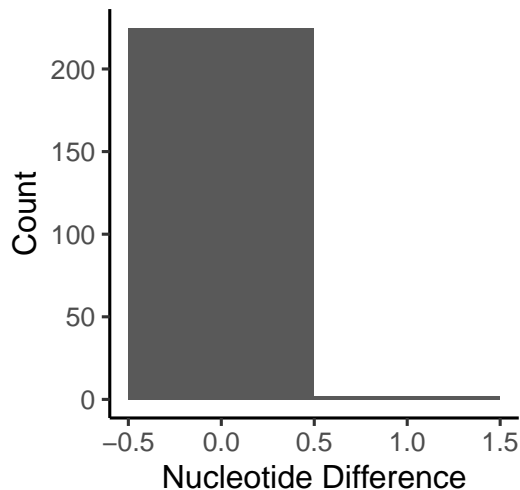
TRBV15*ap02

4668 sequences assigned
4628 (99.1%) exact matches, in which:
4542 unique CDR3
13 unique J



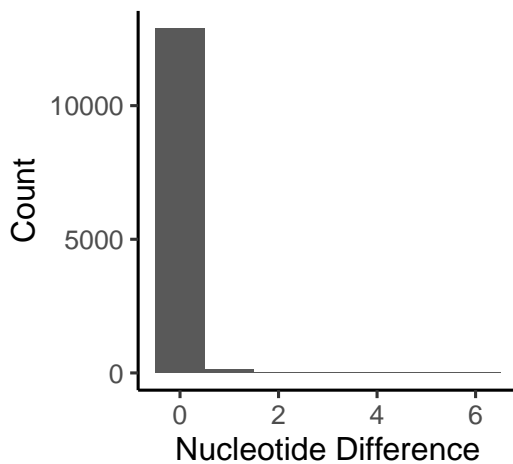
TRBV16*ap01

227 sequences assigned
225 (99.1%) exact matches, in which:
222 unique CDR3
12 unique J



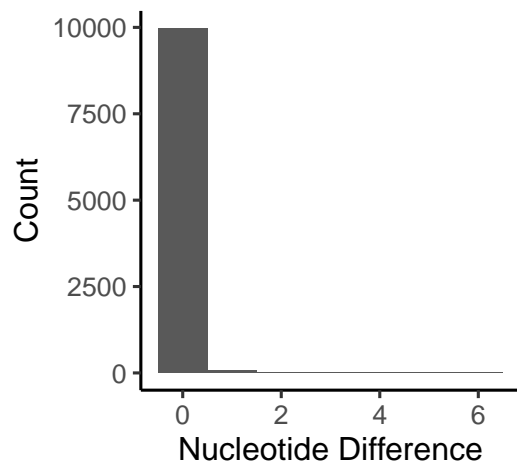
TRBV19*ap01

13028 sequences assigned
12899 (99%) exact matches, in which:
12813 unique CDR3
13 unique J



TRBV27*ap01

10067 sequences assigned
9978 (99.1%) exact matches, in which:
9880 unique CDR3
13 unique J



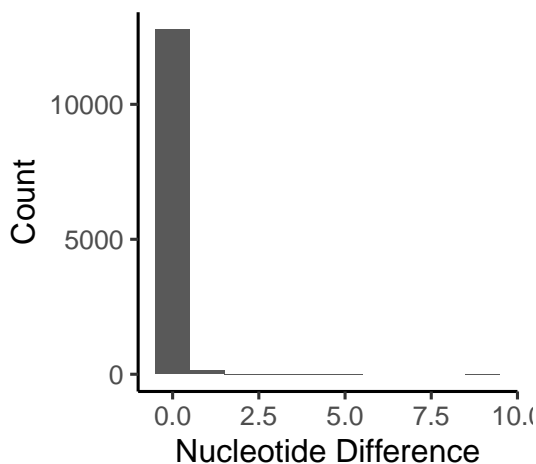
TRBV17*ap01

1 sequences assigned
No exact matches.



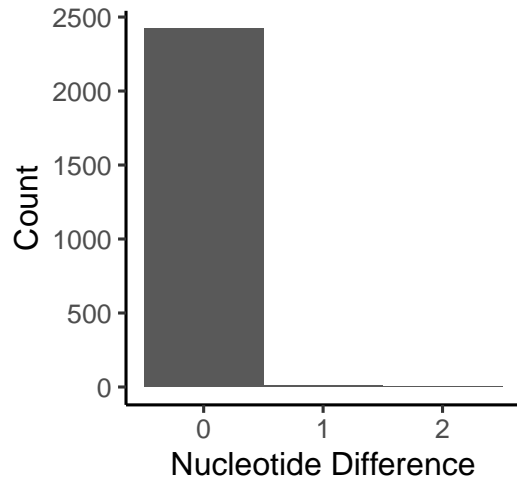
TRBV2*ap01

12928 sequences assigned
12773 (98.8%) exact matches, in which:
12521 unique CDR3
13 unique J



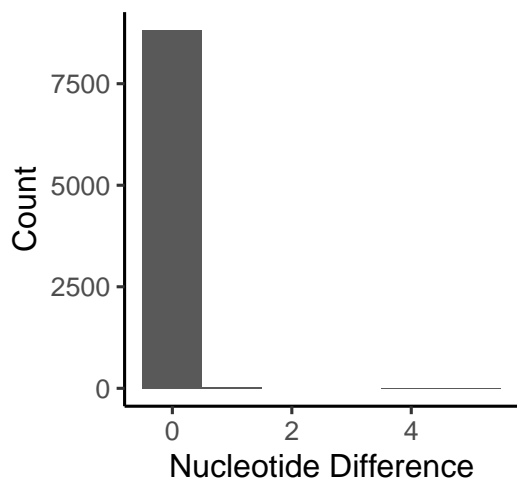
TRBV28*ap01

2434 sequences assigned
2421 (99.5%) exact matches, in which:
2399 unique CDR3
13 unique J



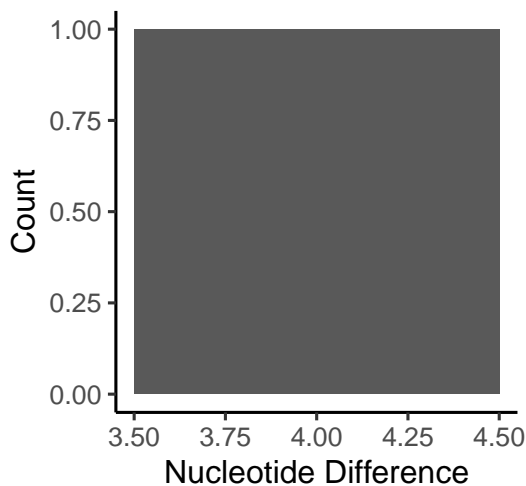
TRBV18*ap01

8859 sequences assigned
8821 (99.6%) exact matches, in which:
8761 unique CDR3
13 unique J



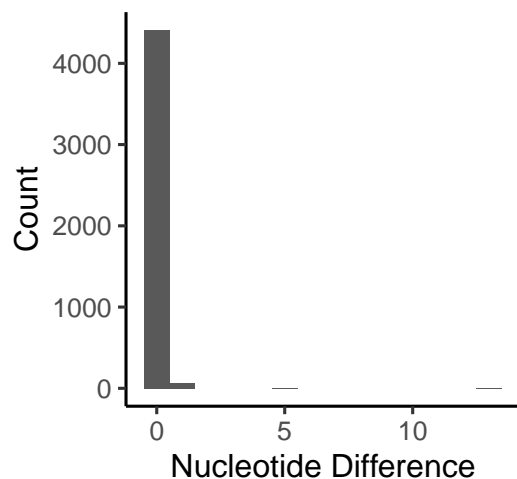
TRBV26*ap01

1 sequences assigned
No exact matches.



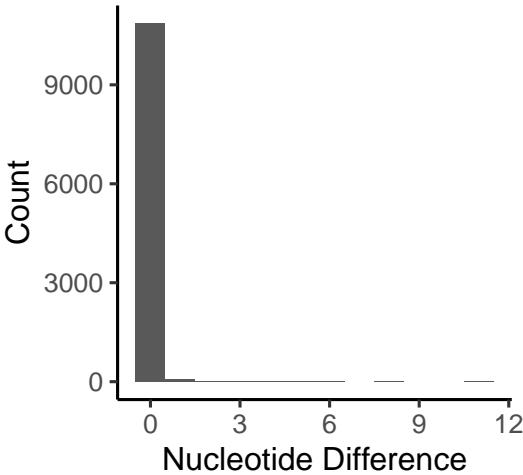
TRBV30*ap02

4477 sequences assigned
4410 (98.5%) exact matches, in which:
4315 unique CDR3
13 unique J



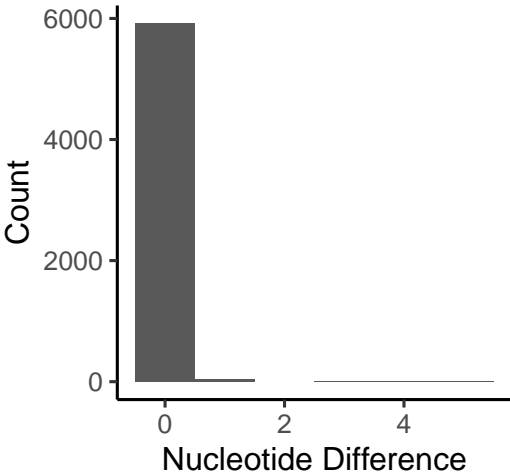
TRBV9*ap01

10953 sequences assigned
10862 (99.2%) exact matches, in which:
10758 unique CDR3
13 unique J



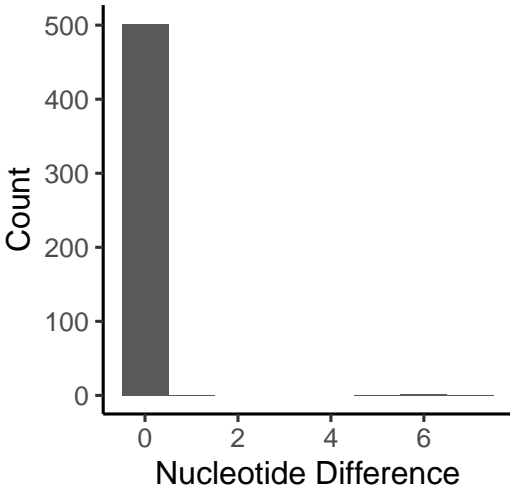
TRBV11-2*ap01

5963 sequences assigned
5918 (99.2%) exact matches, in which:
5850 unique CDR3
14 unique J



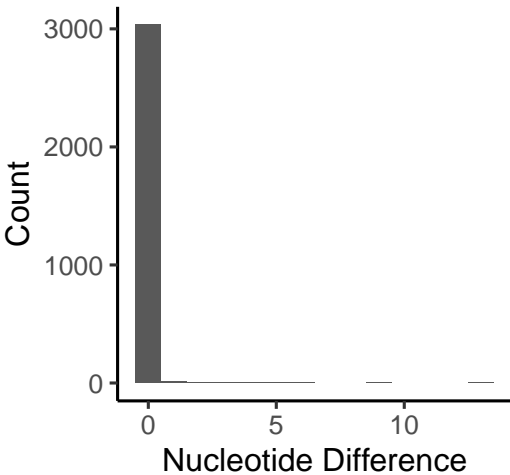
TRBV12-2*ap01

507 sequences assigned
502 (99%) exact matches, in which:
497 unique CDR3
13 unique J



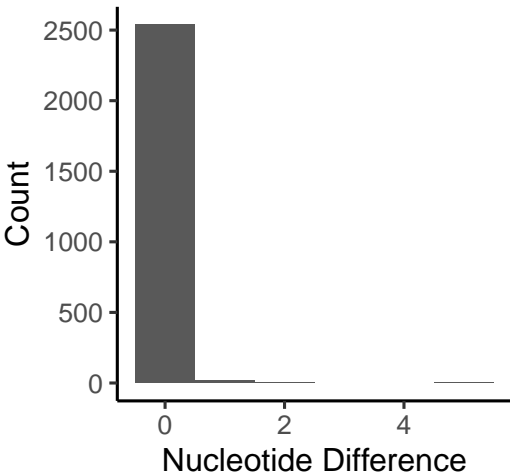
TRBV21-1*ap01

3064 sequences assigned
3035 (99.1%) exact matches, in which:
3021 unique CDR3
14 unique J



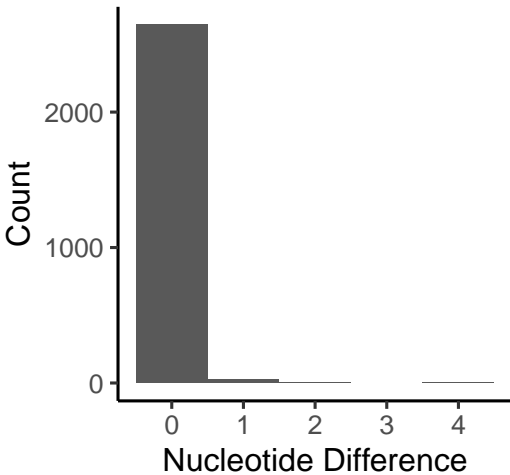
TRBV11-3*ap01

2559 sequences assigned
2538 (99.2%) exact matches, in which:
2515 unique CDR3
13 unique J



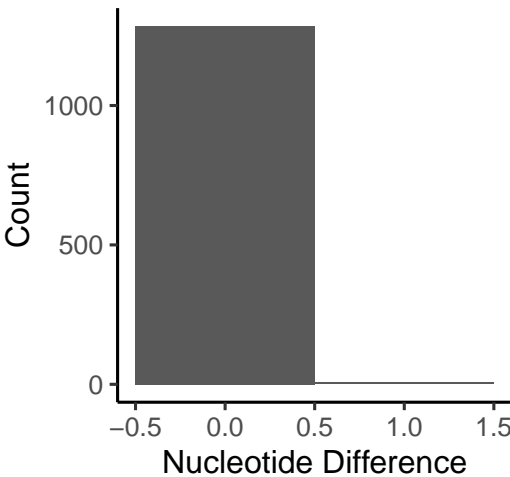
TRBV12-5*ap01

2670 sequences assigned
2645 (99.1%) exact matches, in which:
2620 unique CDR3
13 unique J



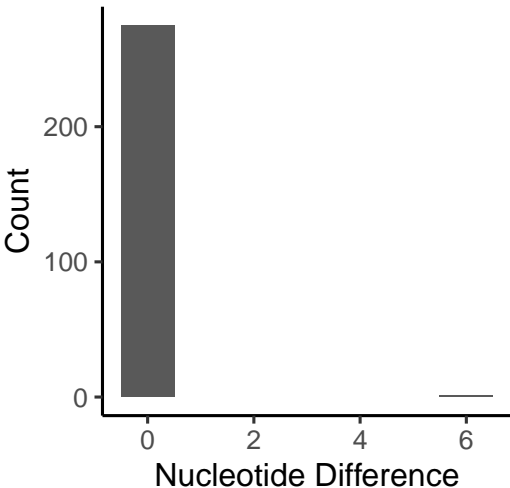
TRBV11-1*ap01

1292 sequences assigned
1285 (99.5%) exact matches, in which:
1272 unique CDR3
13 unique J



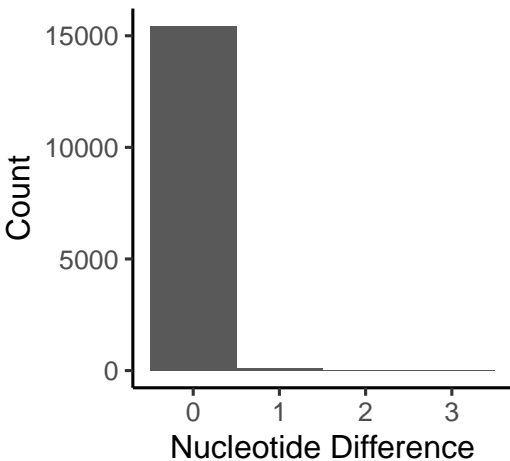
TRBV12-1*ap01

276 sequences assigned
275 (99.6%) exact matches, in which:
269 unique CDR3
13 unique J



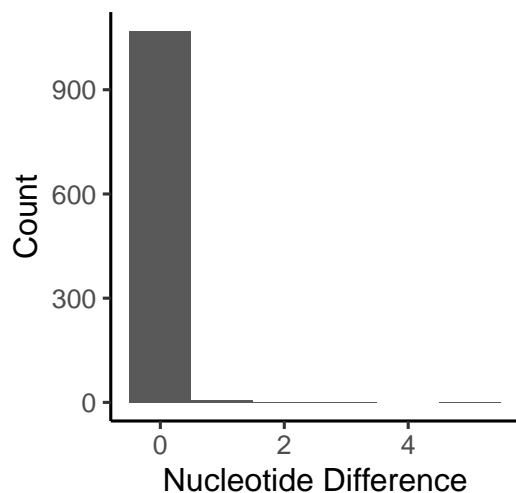
TRBV12-34*ap01

15580 sequences assigned
15447 (99.1%) exact matches, in which:
15264 unique CDR3
13 unique J



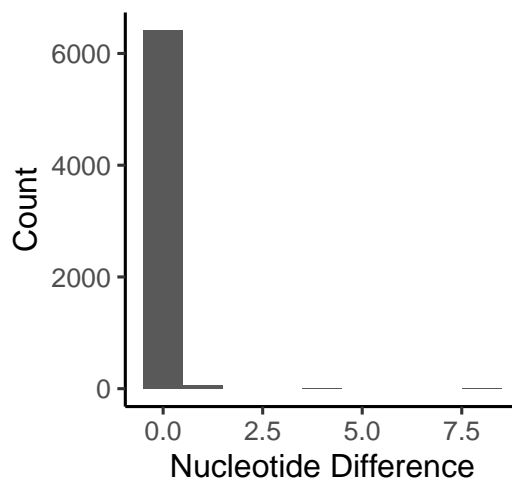
TRBV23-1*ap01

1081 sequences assigned
1070 (99%) exact matches, in which:
1069 unique CDR3
13 unique J



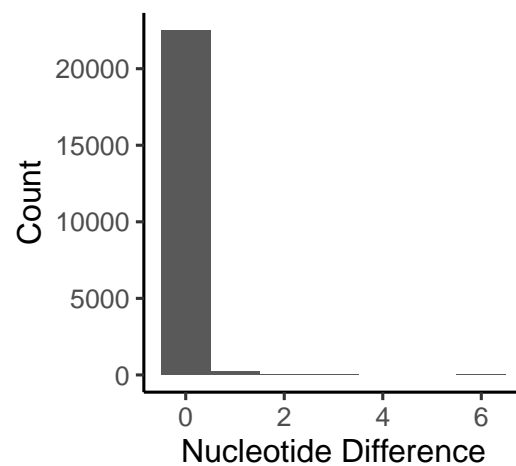
TRBV4-1*ap01

6480 sequences assigned
6413 (99%) exact matches, in which:
6301 unique CDR3
13 unique J



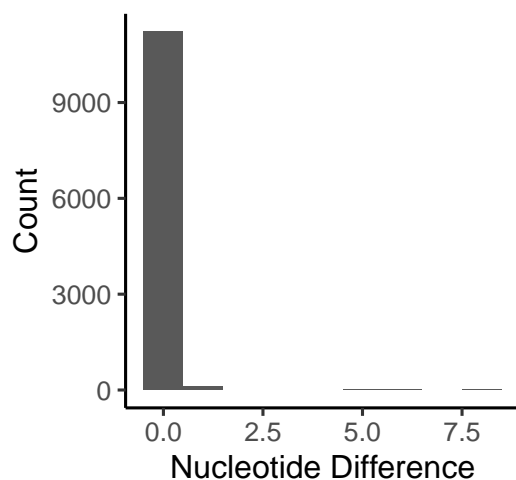
TRBV5-1*ap01

22754 sequences assigned
22516 (99%) exact matches, in which:
22082 unique CDR3
13 unique J



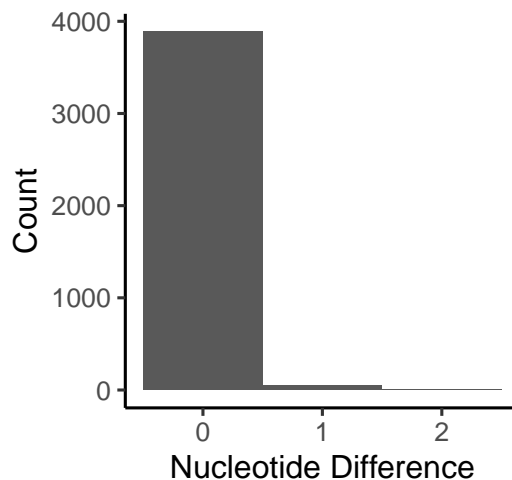
TRBV3-12*ap01

11335 sequences assigned
11217 (99%) exact matches, in which:
11060 unique CDR3
13 unique J



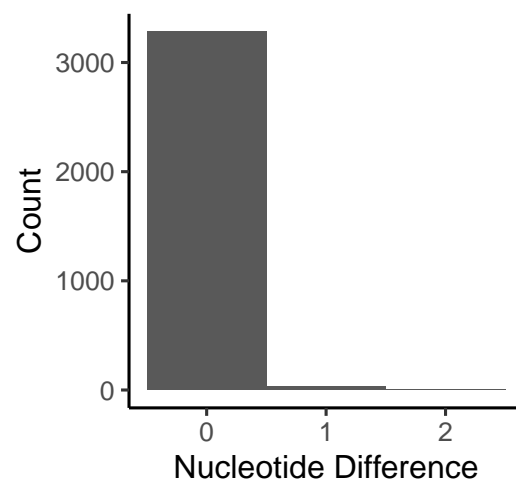
TRBV4-2*ap01

3938 sequences assigned
3887 (98.7%) exact matches, in which:
3837 unique CDR3
13 unique J



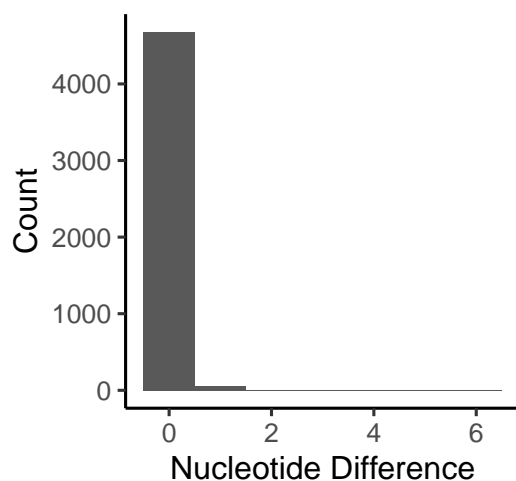
TRBV25-1*ap01

3317 sequences assigned
3282 (98.9%) exact matches, in which:
3211 unique CDR3
13 unique J



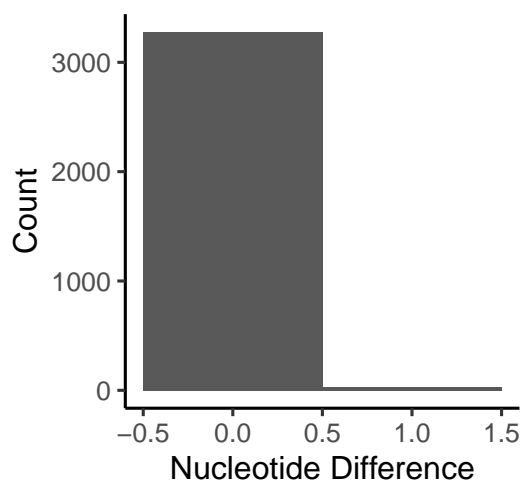
TRBV24-1*ap01

4746 sequences assigned
4677 (98.5%) exact matches, in which:
4625 unique CDR3
13 unique J



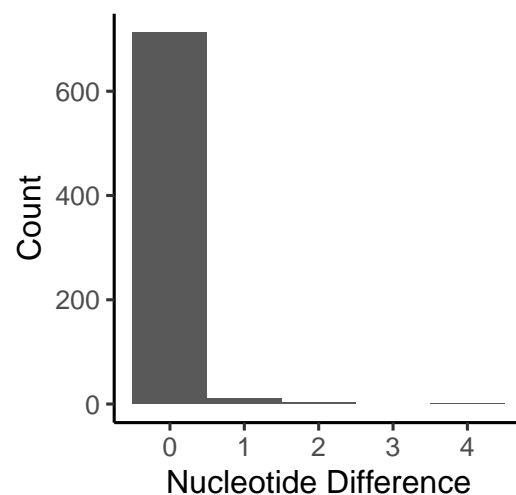
TRBV4-3*ap01

3310 sequences assigned
3277 (99%) exact matches, in which:
3231 unique CDR3
13 unique J



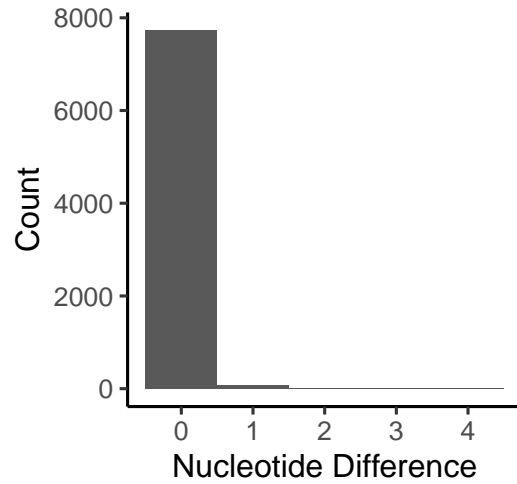
TRBV5-3*ap01

727 sequences assigned
713 (98.1%) exact matches, in which:
704 unique CDR3
13 unique J



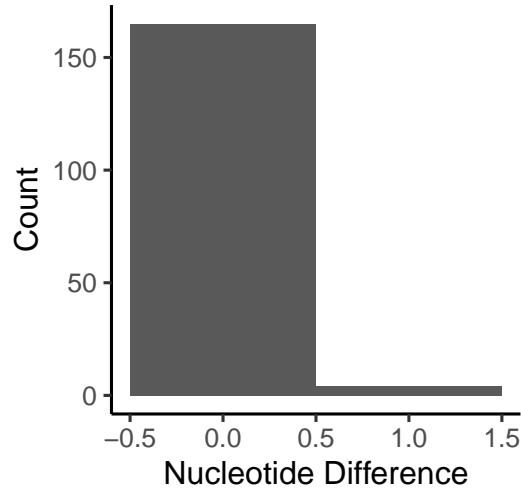
TRBV5-4*ap01

7801 sequences assigned
7728 (99.1%) exact matches, in which:
7600 unique CDR3
13 unique J



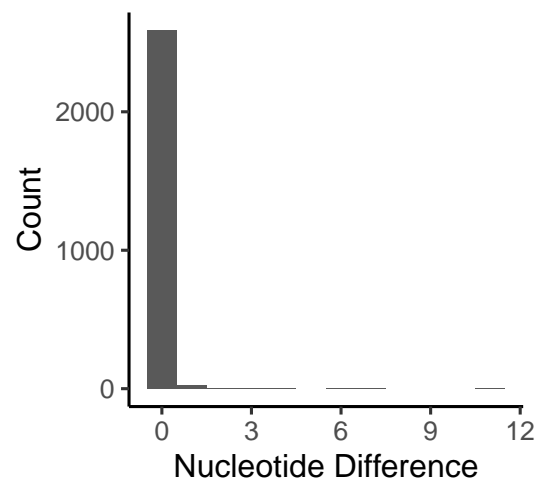
TRBV5-7*ap01

169 sequences assigned
165 (97.6%) exact matches, in which:
159 unique CDR3
12 unique J



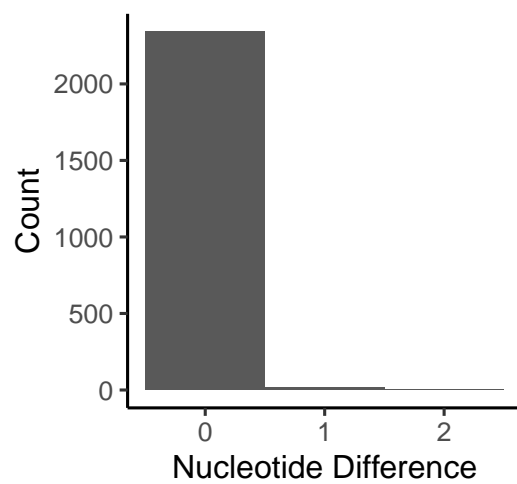
TRBV6-4*ap01

2624 sequences assigned
2588 (98.6%) exact matches, in which:
2557 unique CDR3
13 unique J



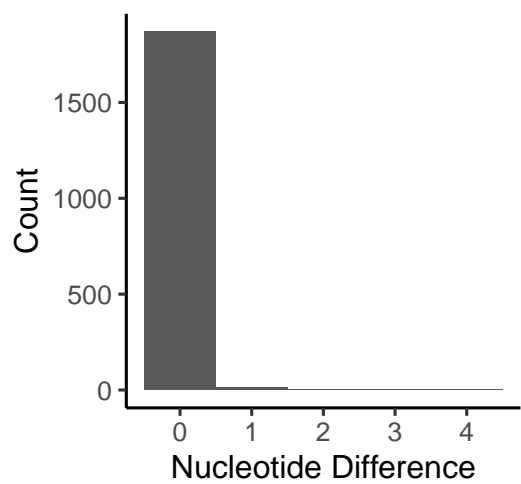
TRBV5-5*ap01

2357 sequences assigned
2341 (99.3%) exact matches, in which:
2329 unique CDR3
13 unique J



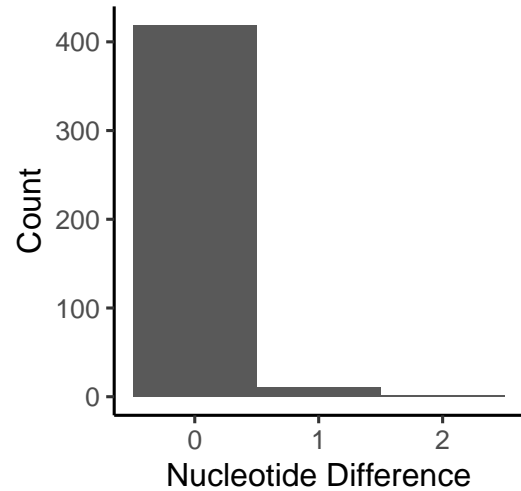
TRBV5-8*ap01

1888 sequences assigned
1869 (99%) exact matches, in which:
1851 unique CDR3
13 unique J



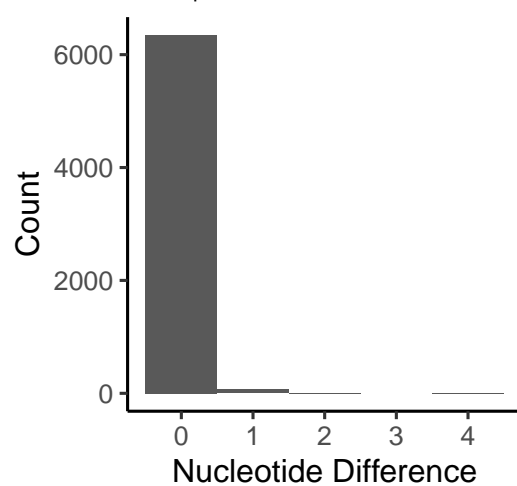
TRBV6-7*ap01

432 sequences assigned
419 (97%) exact matches, in which:
411 unique CDR3
13 unique J



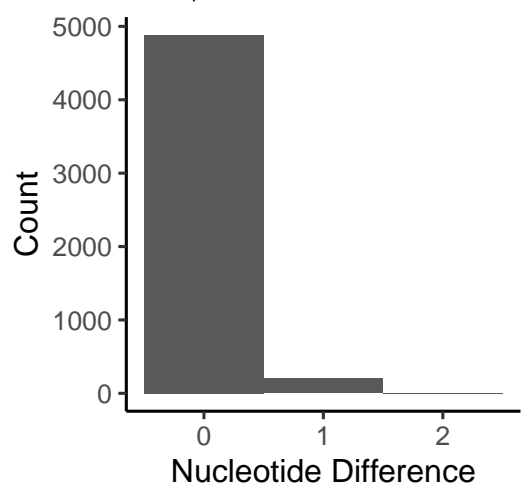
TRBV5-6*ap01

6420 sequences assigned
6347 (98.9%) exact matches, in which:
6169 unique CDR3
14 unique J



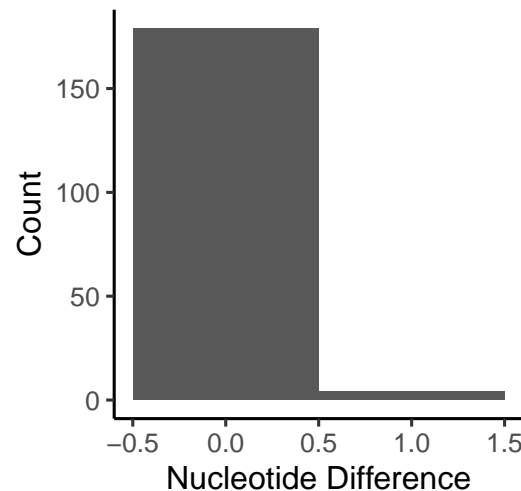
TRBV6-1*ap01

5084 sequences assigned
4882 (96%) exact matches, in which:
4769 unique CDR3
13 unique J



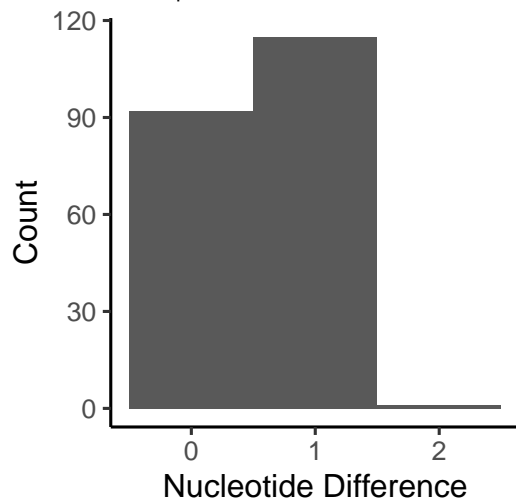
TRBV6-8*ap01

183 sequences assigned
179 (97.8%) exact matches, in which:
173 unique CDR3
13 unique J



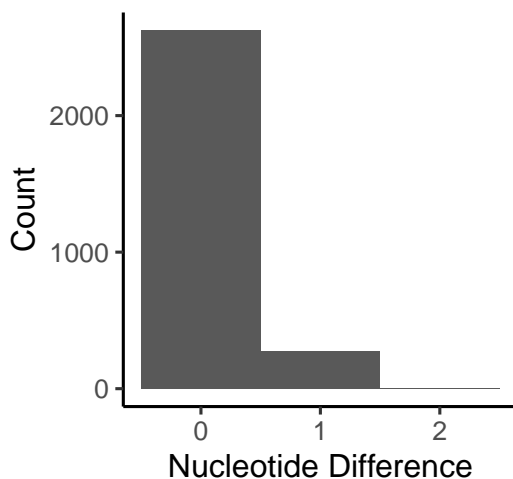
TRBV6-9*ap01

208 sequences assigned
92 (44.2%) exact matches, in which:
92 unique CDR3
12 unique J



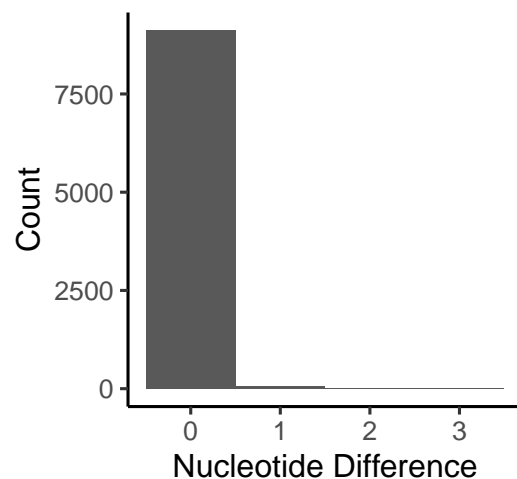
TRBV6-56*ap02

2901 sequences assigned
2624 (90.5%) exact matches, in which:
2556 unique CDR3
13 unique J



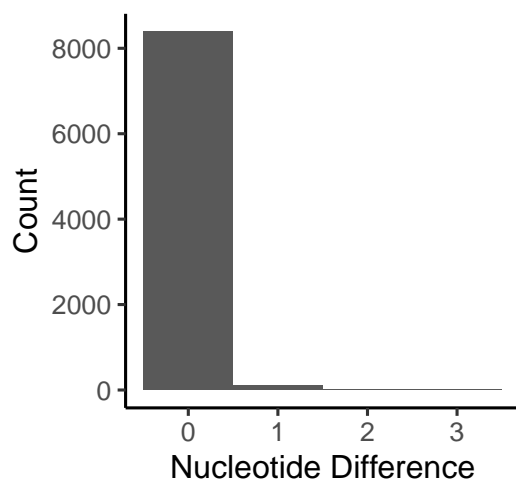
TRBV7-2*ap01

9172 sequences assigned
9117 (99.4%) exact matches, in which:
9031 unique CDR3
13 unique J



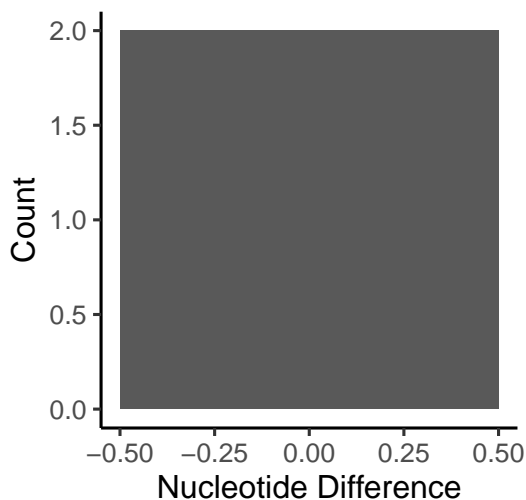
TRBV6-23*ap01

8501 sequences assigned
8388 (98.7%) exact matches, in which:
8102 unique CDR3
13 unique J



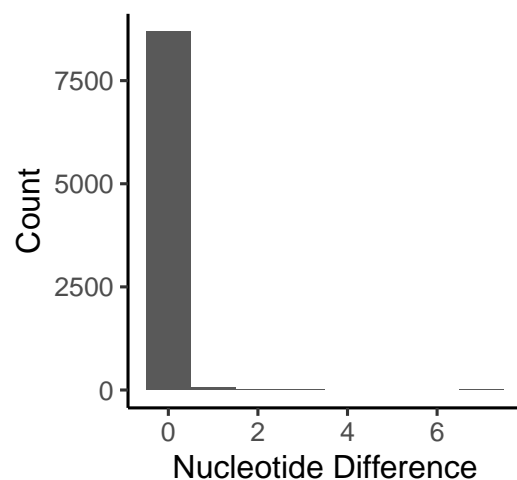
TRBV7-1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



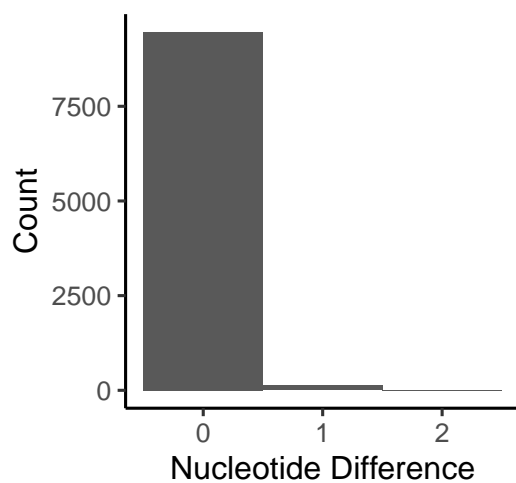
TRBV7-3*ap01

8743 sequences assigned
8686 (99.3%) exact matches, in which:
8604 unique CDR3
13 unique J



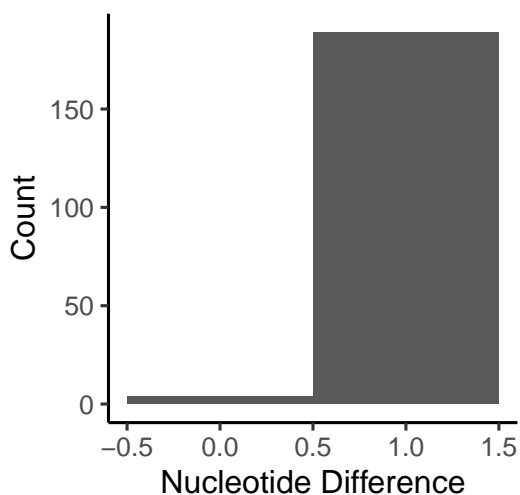
TRBV6-56*ap01

9589 sequences assigned
9460 (98.7%) exact matches, in which:
9174 unique CDR3
13 unique J



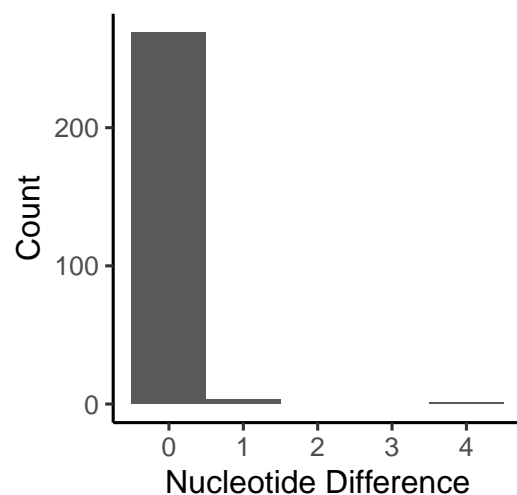
TRBV7-1*ap01_T296C_(

193 sequences assigned
4 (2.1%) exact matches, in which:
4 unique CDR3
4 unique J



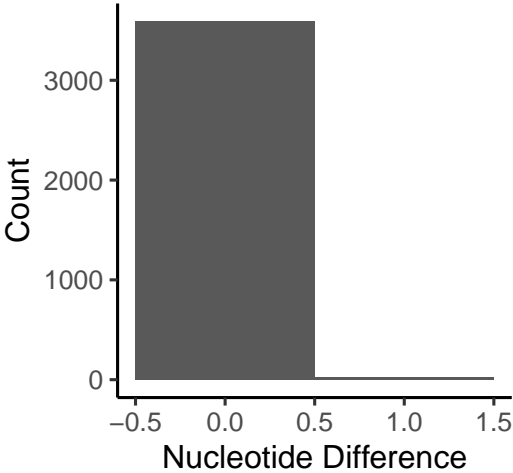
TRBV7-4*ap01

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



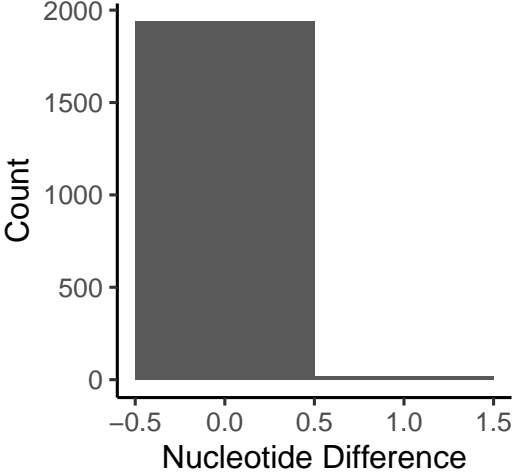
TRBV7-6*ap01

3612 sequences assigned
3590 (99.4%) exact matches, in which:
3542 unique CDR3
13 unique J



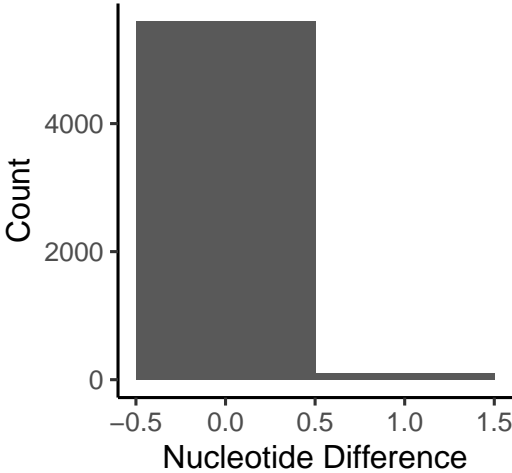
TRBV7-8*ap02

1958 sequences assigned
1939 (99%) exact matches, in which:
1911 unique CDR3
13 unique J



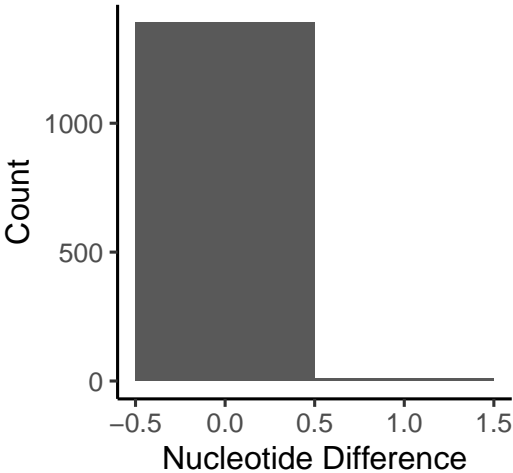
TRBV29-1*ap01

5691 sequences assigned
5596 (98.3%) exact matches, in which:
5454 unique CDR3
13 unique J



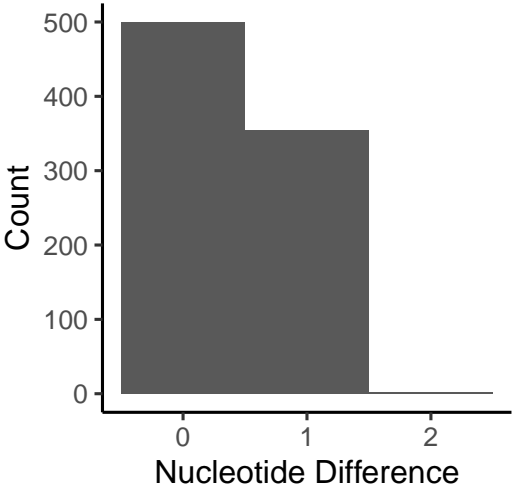
TRBV7-7*ap01

1400 sequences assigned
1390 (99.3%) exact matches, in which:
1373 unique CDR3
13 unique J



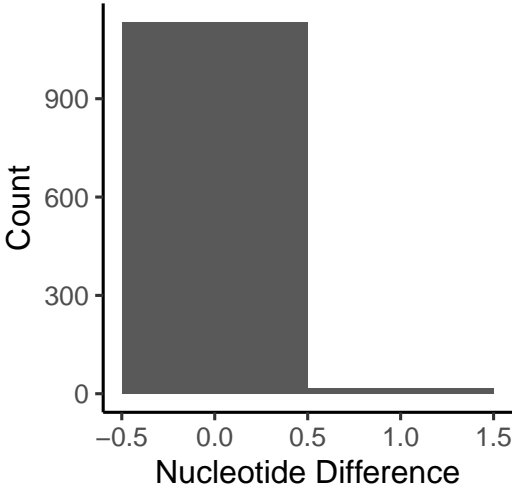
TRBV7-8*ap03

857 sequences assigned
500 (58.3%) exact matches, in which:
496 unique CDR3
13 unique J



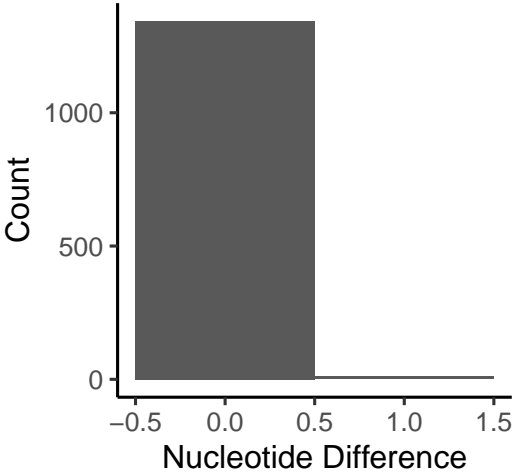
TRBV29-1*ap02

1151 sequences assigned
1134 (98.5%) exact matches, in which:
1102 unique CDR3
13 unique J



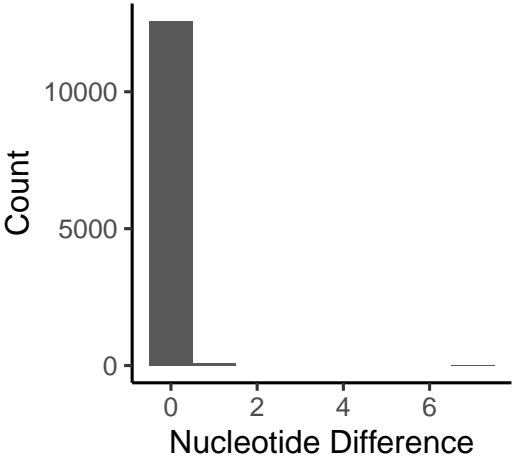
TRBV7-8*ap01

1355 sequences assigned
1344 (99.2%) exact matches, in which:
1329 unique CDR3
13 unique J



TRBV7-9*ap01

12689 sequences assigned
12592 (99.2%) exact matches, in which:
12434 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T

