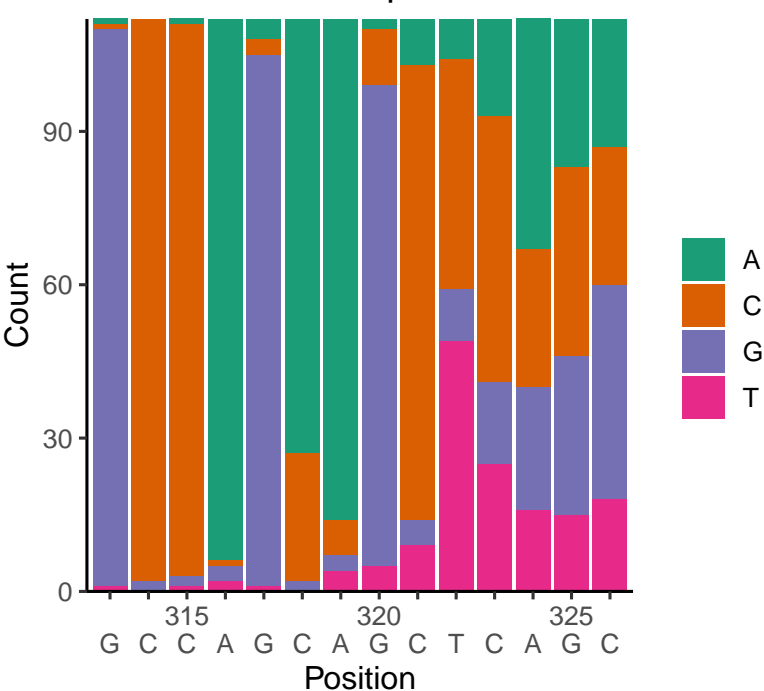
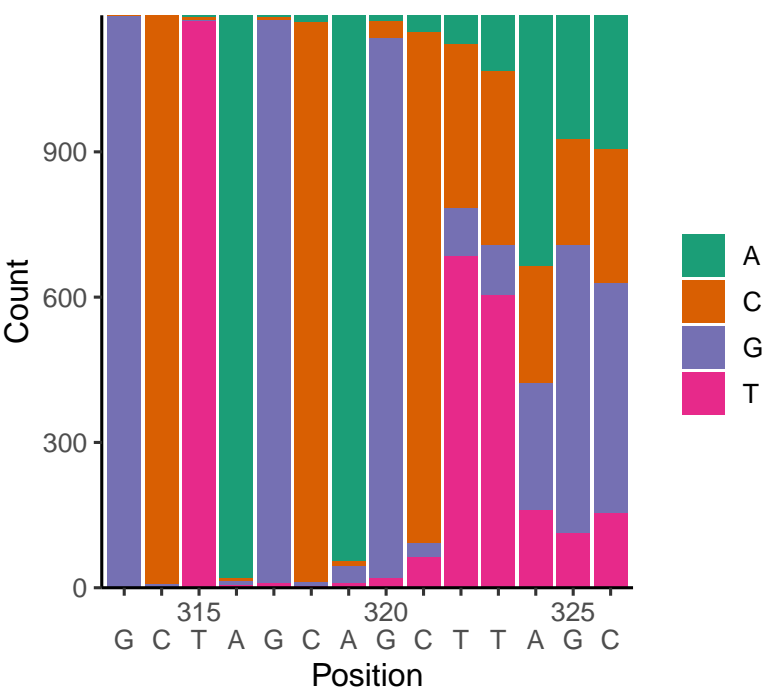


Gene TRBV7-1*ap01_T296C



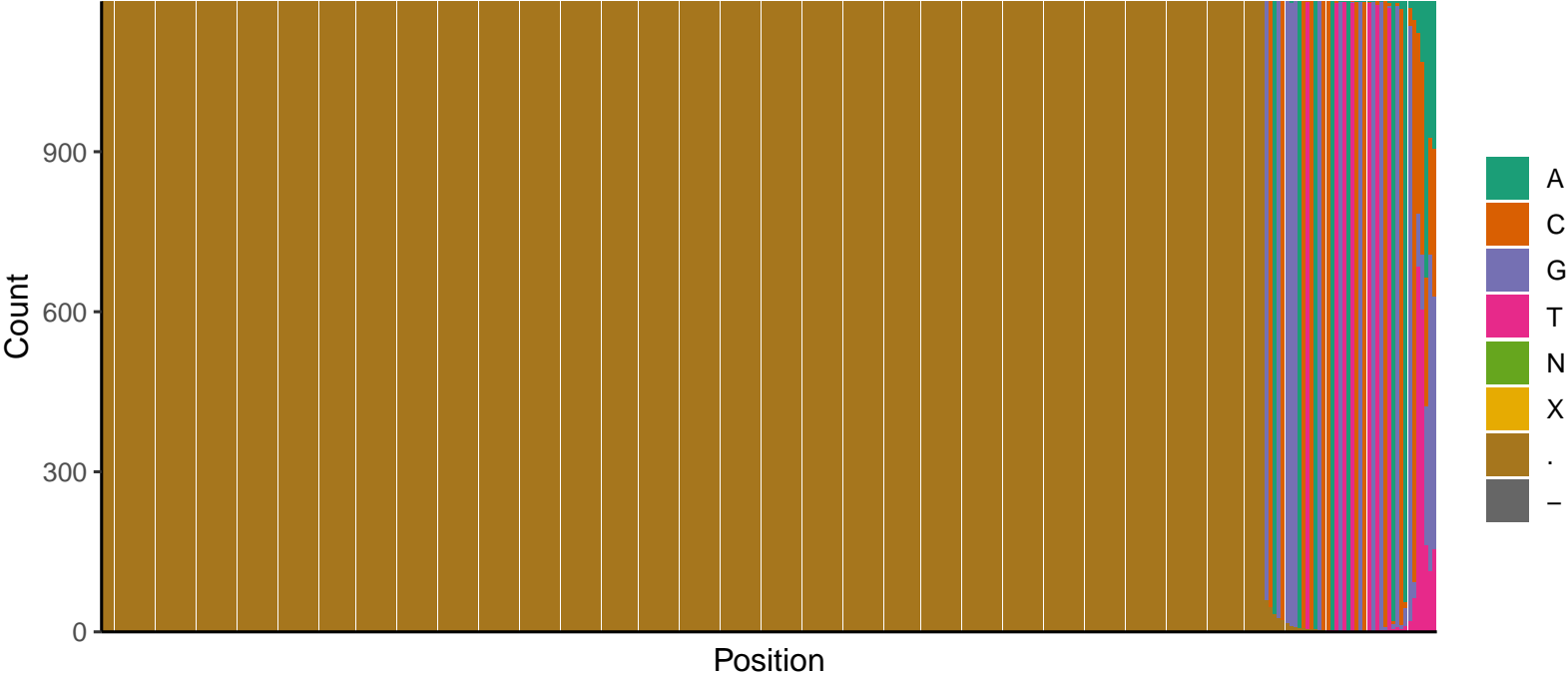
Gene TRBV7-7*ap01_C315T



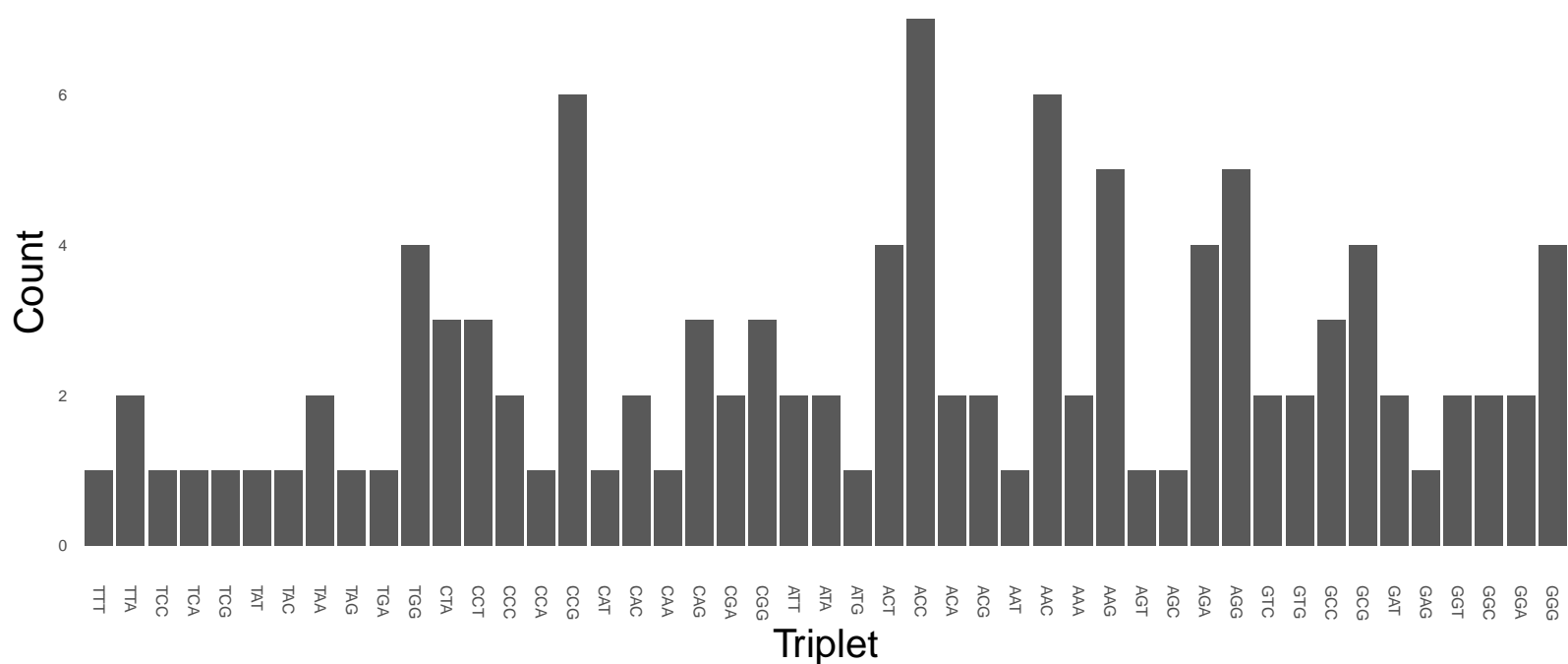
Gene TRBV7-1*ap01_T296C



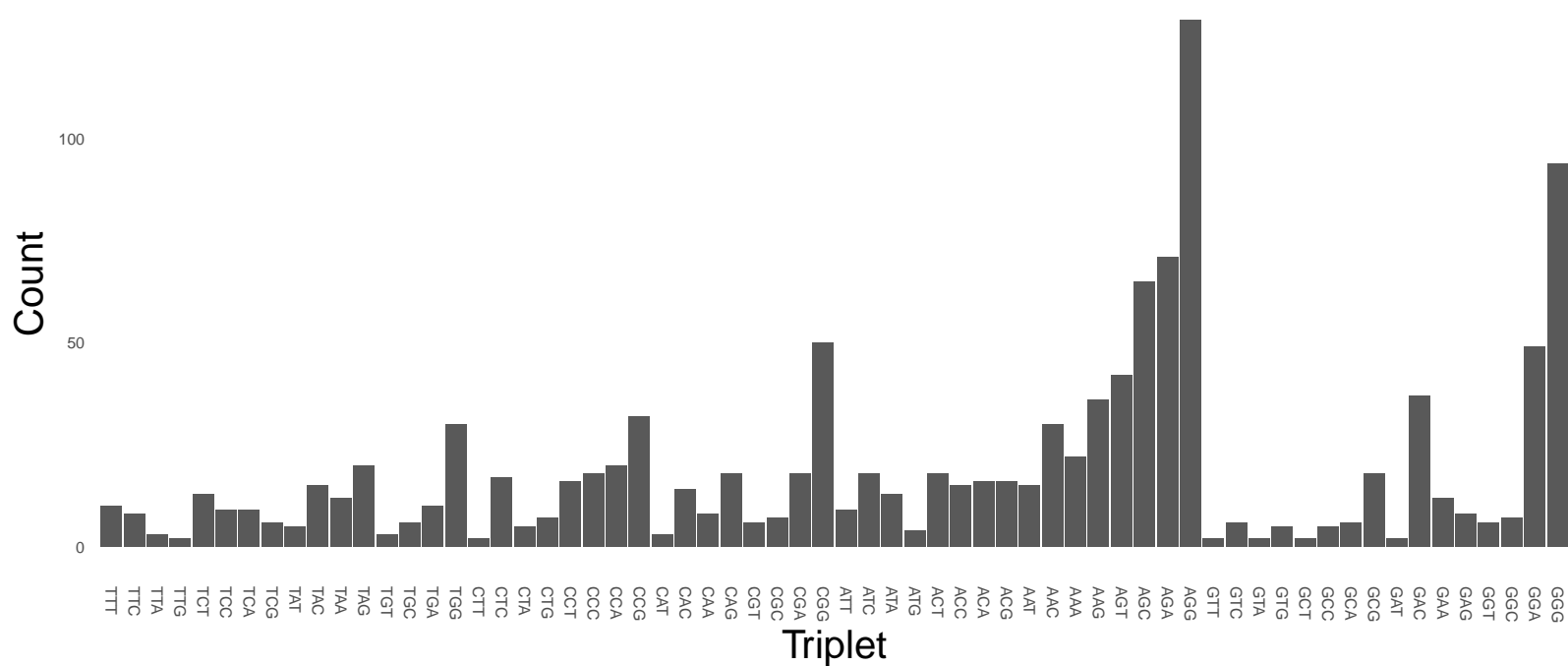
Gene TRBV7-7*ap01_C315T



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

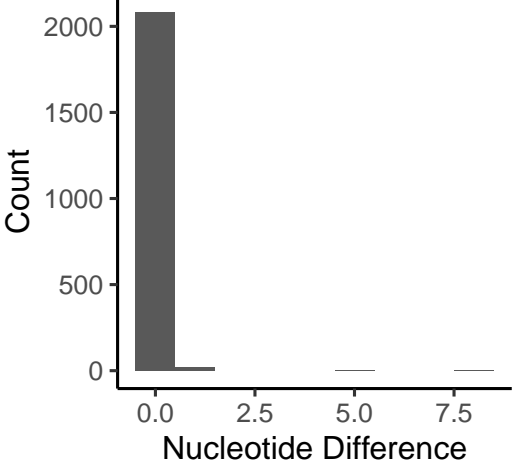


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



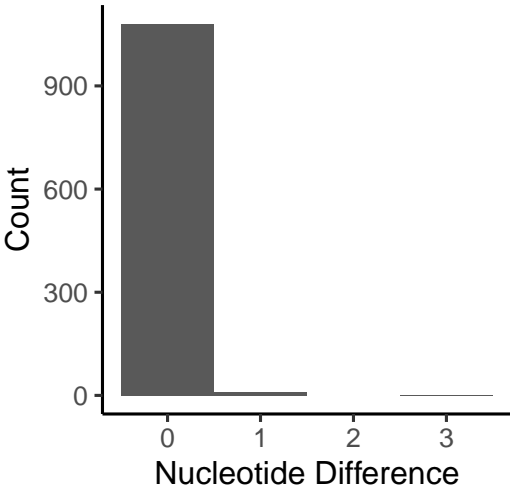
TRBV10-1*ap01

2102 sequences assigned
2081 (99%) exact matches, in which:
2031 unique CDR3
13 unique J



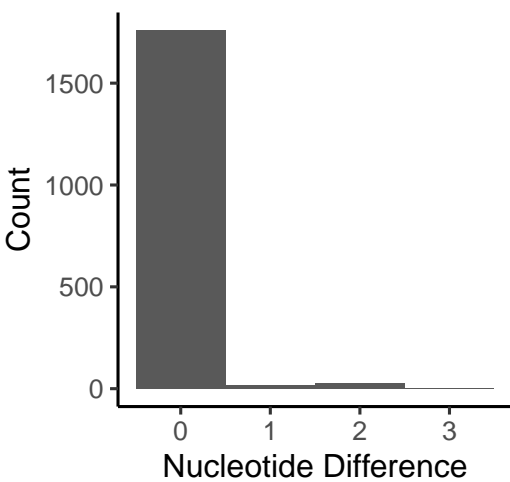
TRBV10-2*ap01

1092 sequences assigned
1081 (99%) exact matches, in which:
1063 unique CDR3
13 unique J



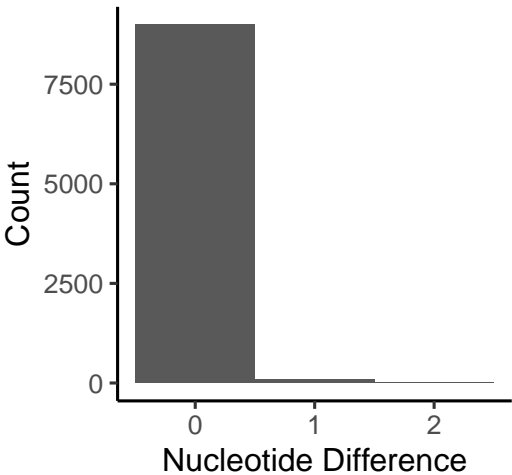
TRBV13*ap01

1804 sequences assigned
1759 (97.5%) exact matches, in which:
1703 unique CDR3
13 unique J



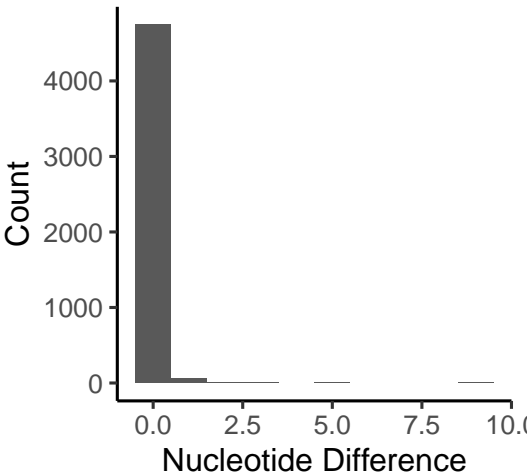
TRBV20-1*ap01

9074 sequences assigned
8993 (99.1%) exact matches, in which:
8850 unique CDR3
13 unique J



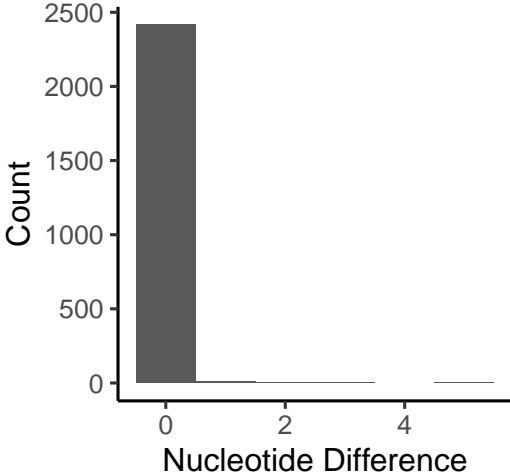
TRBV10-3*ap01

4809 sequences assigned
4744 (98.6%) exact matches, in which:
4659 unique CDR3
13 unique J



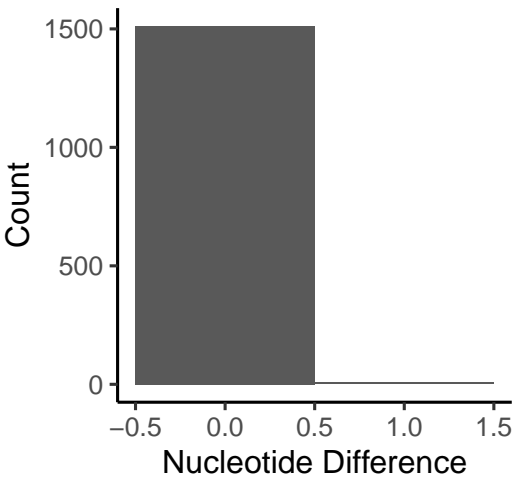
TRBV14*ap01

2431 sequences assigned
2416 (99.4%) exact matches, in which:
2398 unique CDR3
13 unique J



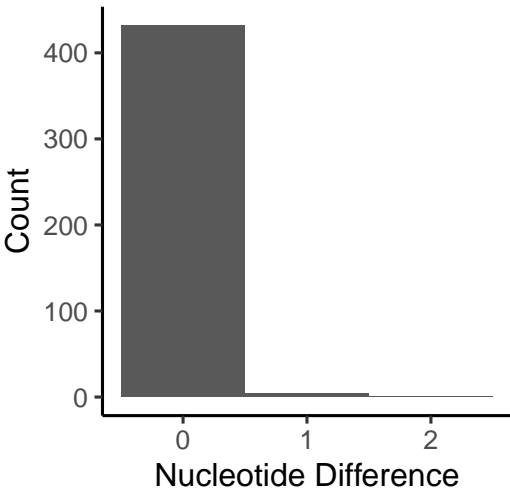
TRBV20-1*ap02

1520 sequences assigned
1512 (99.5%) exact matches, in which:
1497 unique CDR3
13 unique J



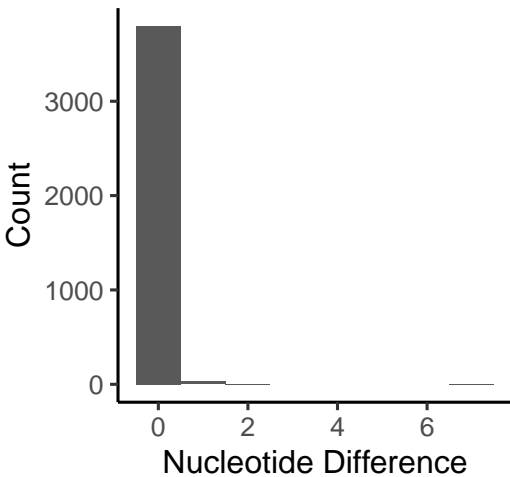
TRBV1*ap01

437 sequences assigned
432 (98.9%) exact matches, in which:
416 unique CDR3
13 unique J



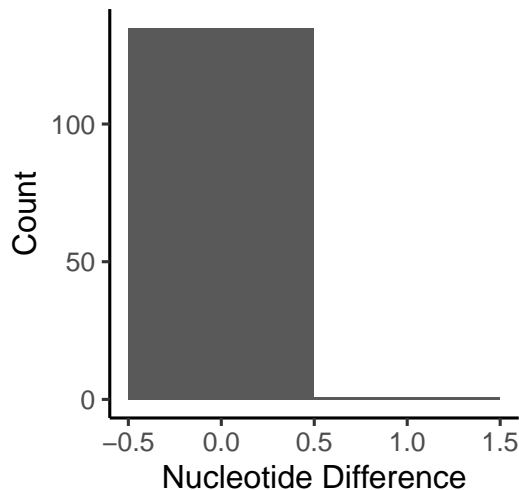
TRBV15*ap02

3827 sequences assigned
3797 (99.2%) exact matches, in which:
3730 unique CDR3
13 unique J



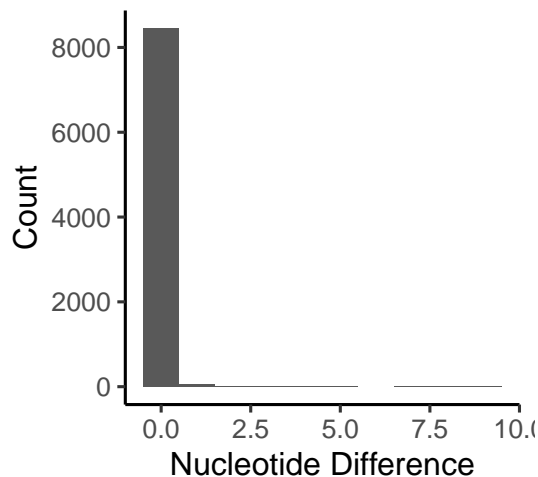
TRBV16*ap01

136 sequences assigned
135 (99.3%) exact matches, in which:
134 unique CDR3
13 unique J



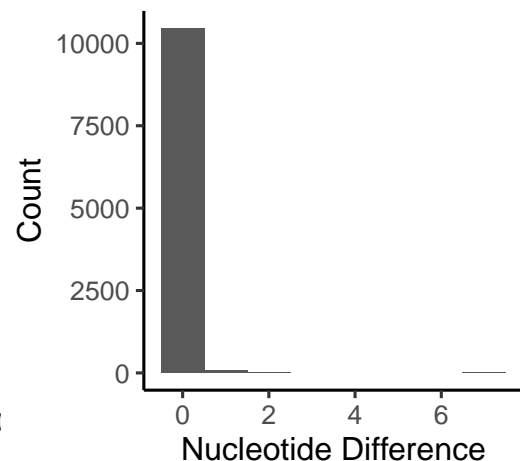
TRBV19*ap01

8518 sequences assigned
8449 (99.2%) exact matches, in which:
8394 unique CDR3
13 unique J



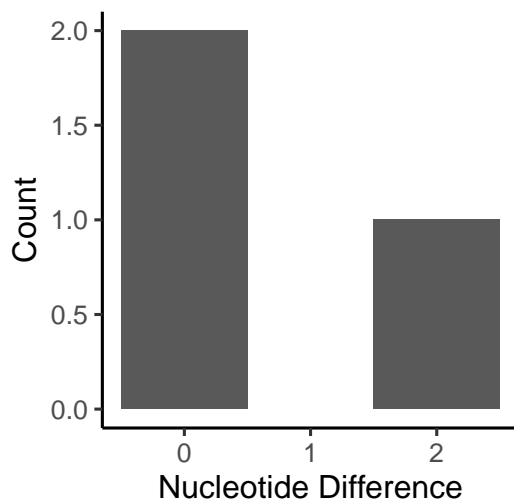
TRBV28*ap01

10551 sequences assigned
10462 (99.2%) exact matches, in which:
10328 unique CDR3
13 unique J



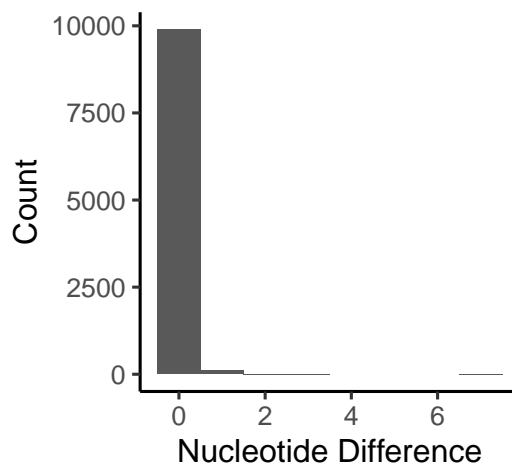
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



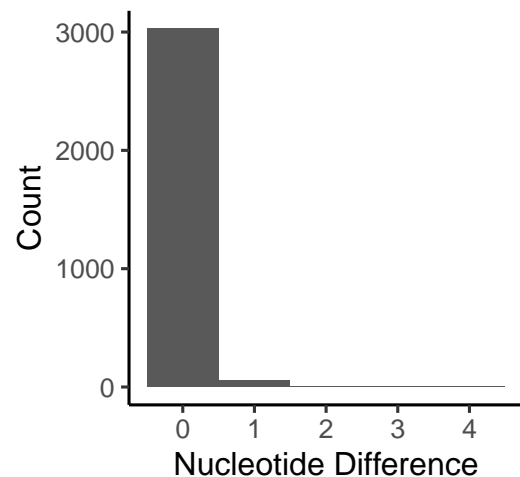
TRBV2*ap01

10010 sequences assigned
9895 (98.9%) exact matches, in which:
9670 unique CDR3
13 unique J



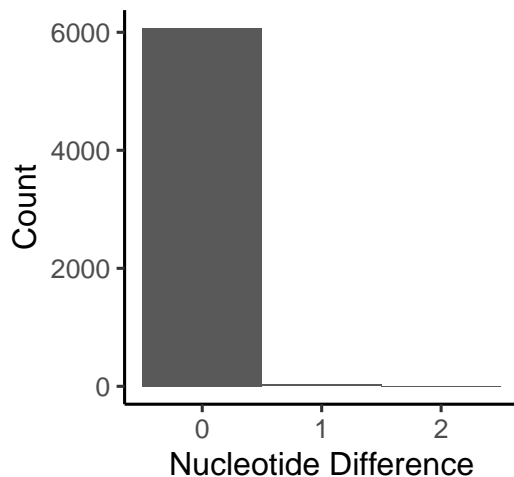
TRBV30*ap02

3087 sequences assigned
3028 (98.1%) exact matches, in which:
2934 unique CDR3
13 unique J



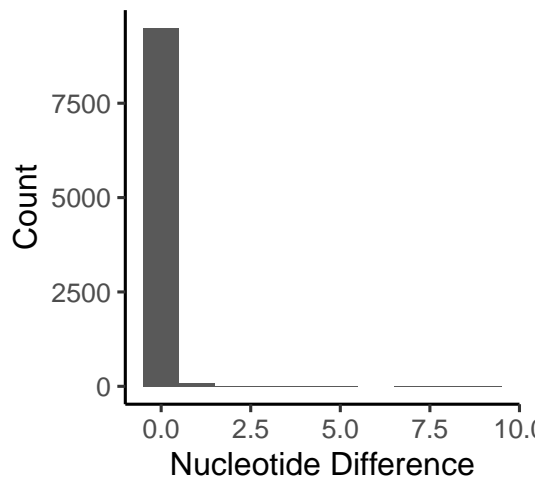
TRBV18*ap01

6107 sequences assigned
6072 (99.4%) exact matches, in which:
6020 unique CDR3
13 unique J



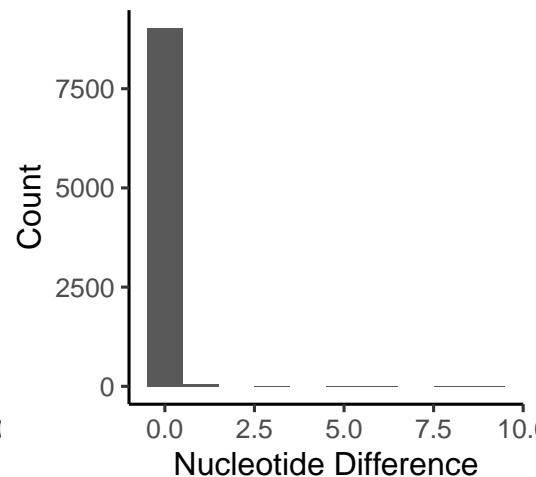
TRBV27*ap01

9591 sequences assigned
9492 (99%) exact matches, in which:
9303 unique CDR3
13 unique J



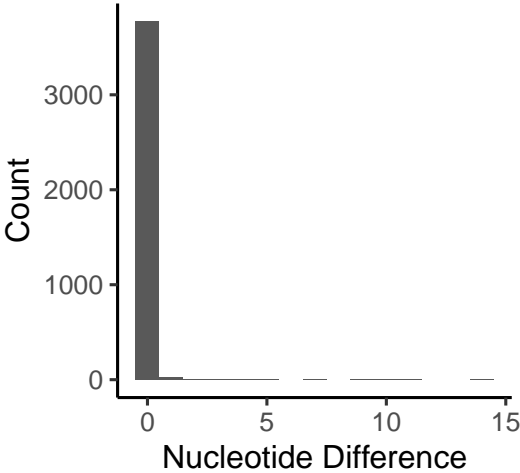
TRBV9*ap01

9094 sequences assigned
9029 (99.3%) exact matches, in which:
8907 unique CDR3
13 unique J



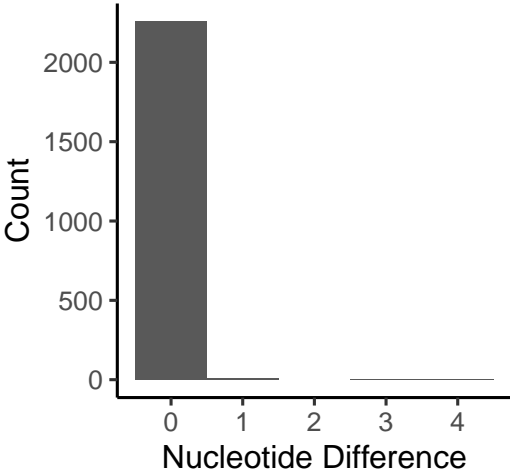
TRBV21-1*ap01

3822 sequences assigned
3773 (98.7%) exact matches, in which:
3749 unique CDR3
14 unique J



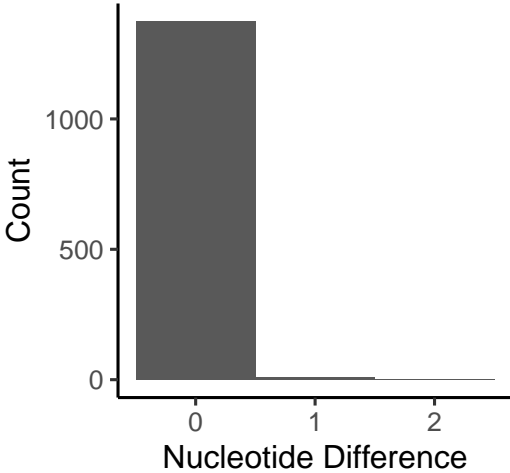
TRBV11-3*ap01

2269 sequences assigned
2258 (99.5%) exact matches, in which:
2244 unique CDR3
13 unique J



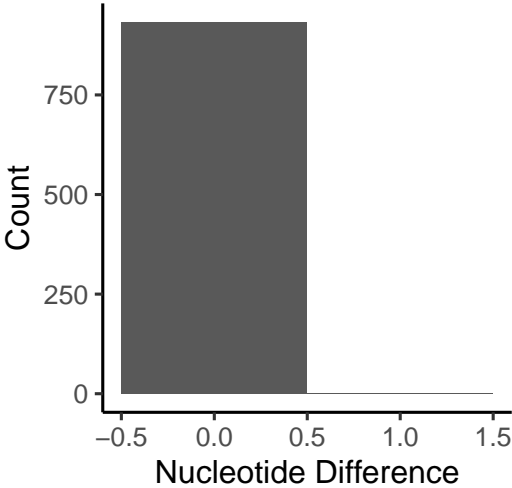
TRBV12-5*ap01

1387 sequences assigned
1374 (99.1%) exact matches, in which:
1349 unique CDR3
14 unique J



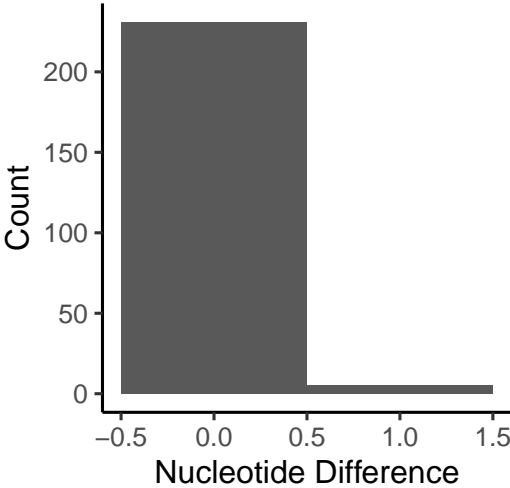
TRBV11-1*ap01

935 sequences assigned
933 (99.8%) exact matches, in which:
928 unique CDR3
13 unique J



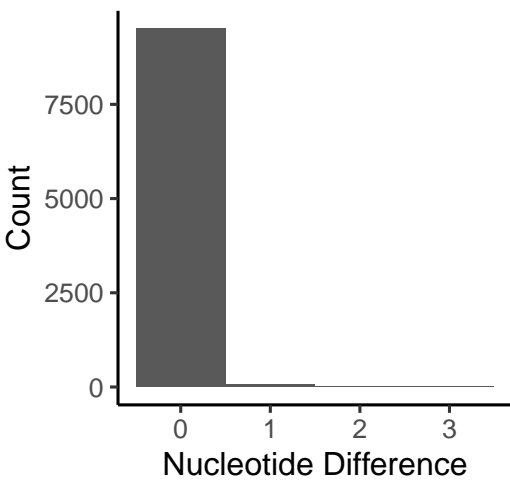
TRBV12-1*ap01

236 sequences assigned
231 (97.9%) exact matches, in which:
225 unique CDR3
13 unique J



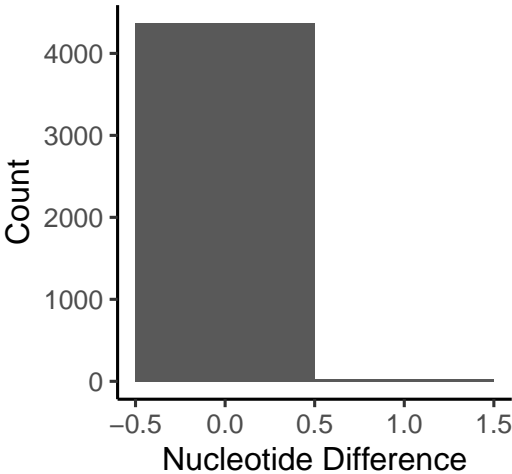
TRBV12-34*ap01

9589 sequences assigned
9507 (99.1%) exact matches, in which:
9367 unique CDR3
13 unique J



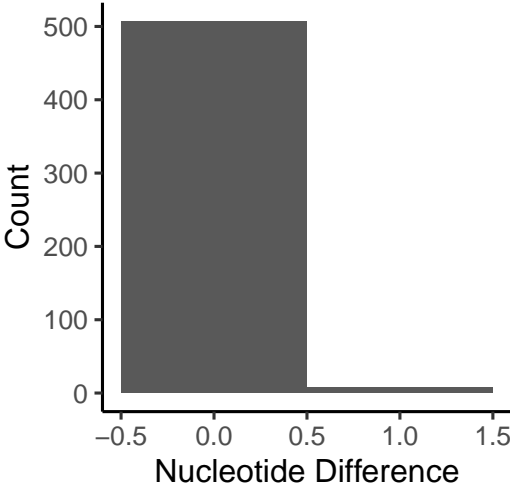
TRBV11-2*ap01

4395 sequences assigned
4370 (99.4%) exact matches, in which:
4319 unique CDR3
13 unique J



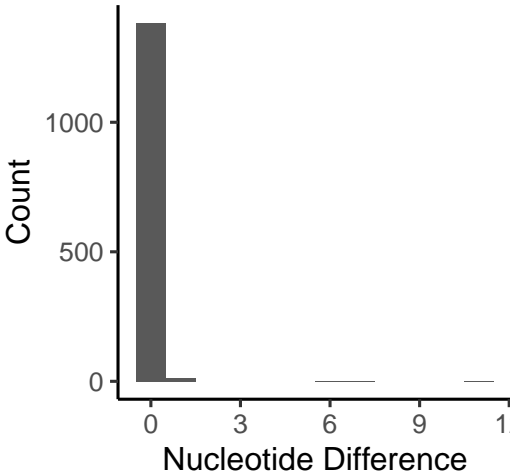
TRBV12-2*ap01

515 sequences assigned
507 (98.4%) exact matches, in which:
503 unique CDR3
13 unique J



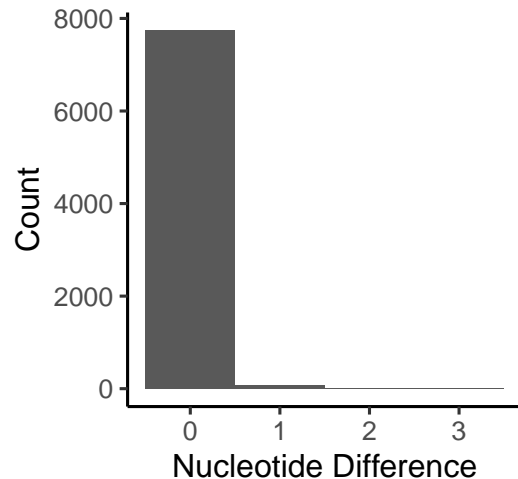
TRBV23-1*ap01

1399 sequences assigned
1383 (98.9%) exact matches, in which:
1371 unique CDR3
13 unique J



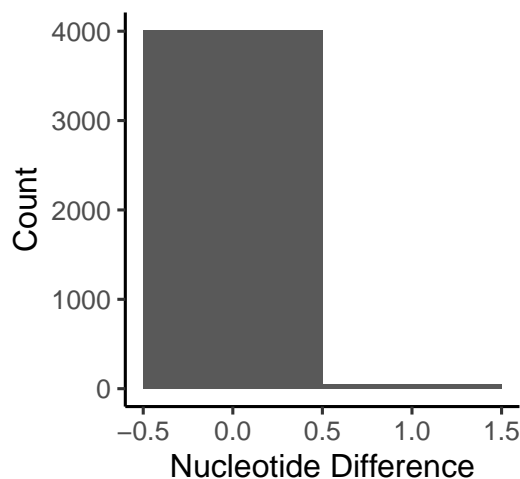
TRBV3-12*ap01

7826 sequences assigned
7741 (98.9%) exact matches, in which:
7586 unique CDR3
13 unique J



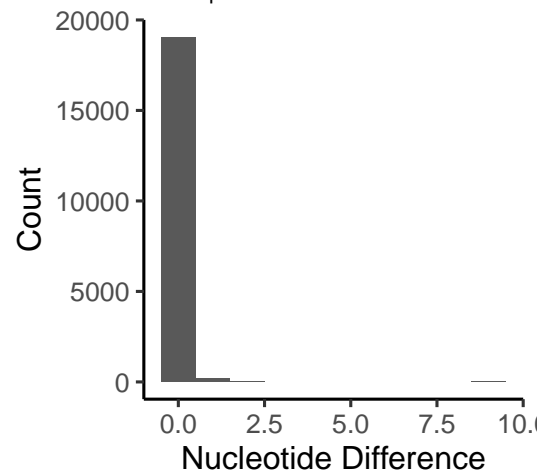
TRBV4-2*ap01

4057 sequences assigned
4009 (98.8%) exact matches, in which:
3922 unique CDR3
13 unique J



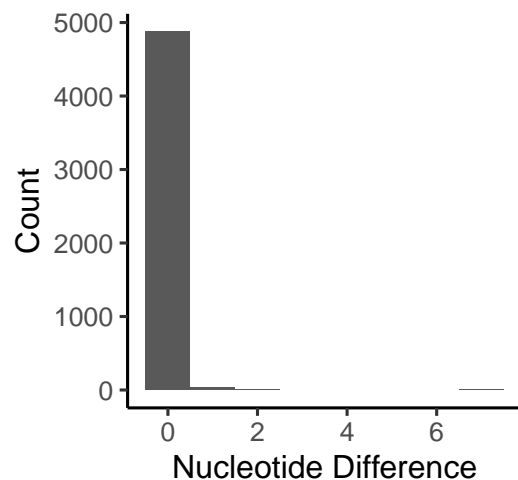
TRBV5-1*ap01

19253 sequences assigned
19050 (98.9%) exact matches, in which:
18601 unique CDR3
13 unique J



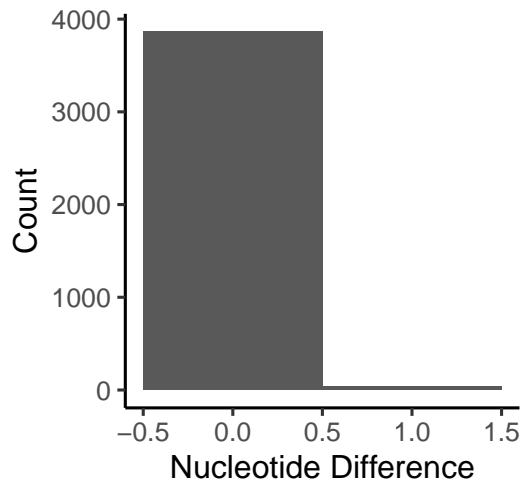
TRBV4-1*ap01

4914 sequences assigned
4875 (99.2%) exact matches, in which:
4756 unique CDR3
13 unique J



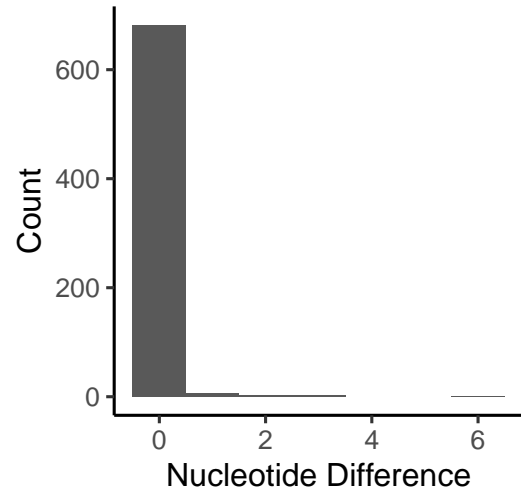
TRBV4-3*ap01

3907 sequences assigned
3864 (98.9%) exact matches, in which:
3769 unique CDR3
13 unique J



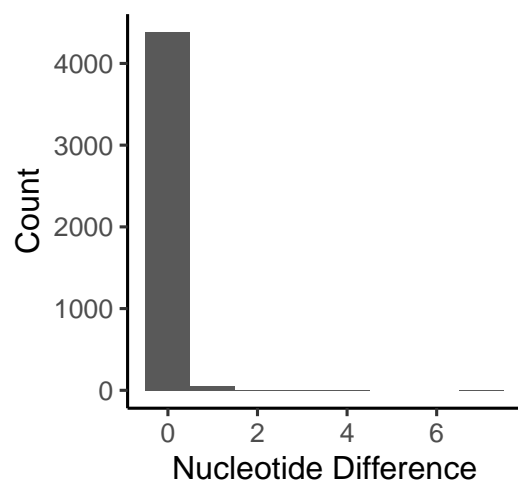
TRBV5-3*ap01

694 sequences assigned
682 (98.3%) exact matches, in which:
678 unique CDR3
13 unique J



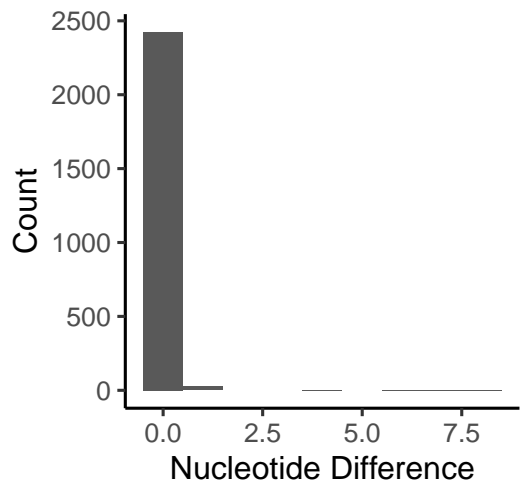
TRBV24-1*ap01

4444 sequences assigned
4384 (98.6%) exact matches, in which:
4305 unique CDR3
13 unique J



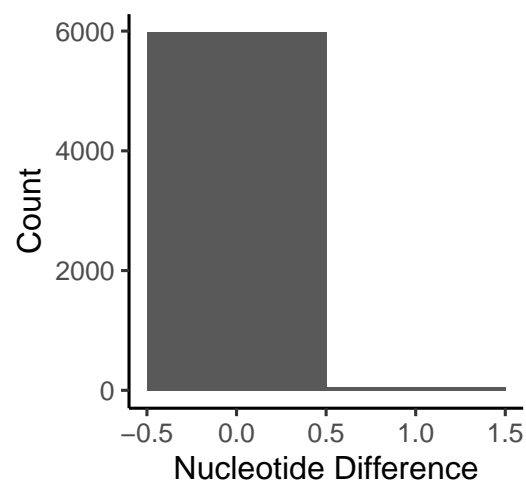
TRBV25-1*ap01

2457 sequences assigned
2424 (98.7%) exact matches, in which:
2363 unique CDR3
13 unique J



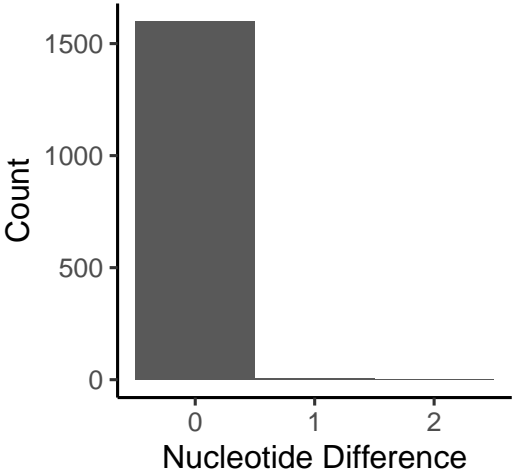
TRBV5-4*ap01

6041 sequences assigned
5984 (99.1%) exact matches, in which:
5885 unique CDR3
13 unique J



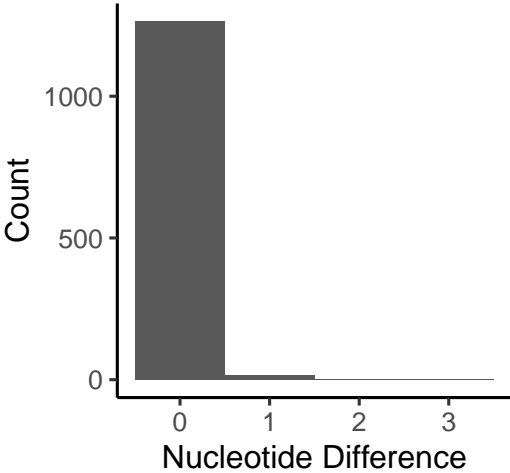
TRBV5-5*ap01

1606 sequences assigned
1599 (99.6%) exact matches, in which:
1590 unique CDR3
13 unique J



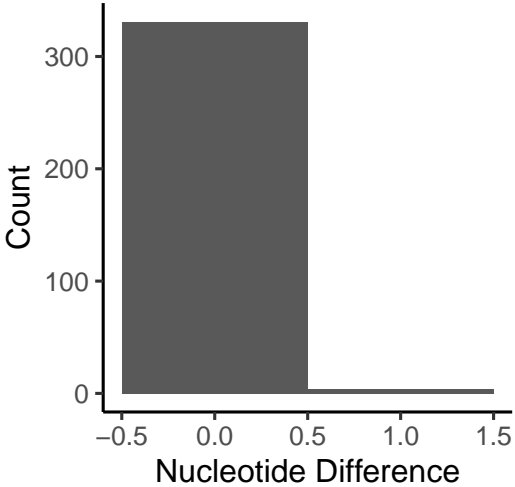
TRBV5-8*ap01

1284 sequences assigned
1264 (98.4%) exact matches, in which:
1252 unique CDR3
13 unique J



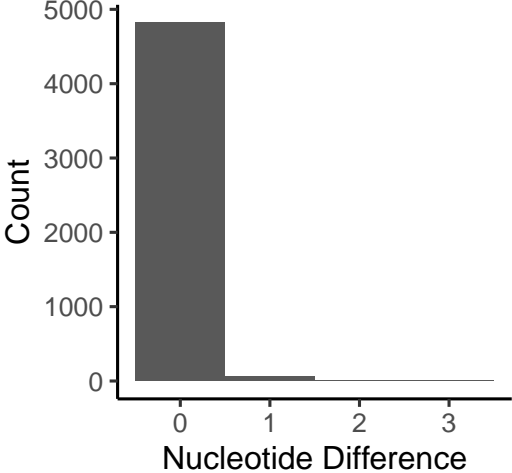
TRBV6-7*ap01

335 sequences assigned
331 (98.8%) exact matches, in which:
321 unique CDR3
13 unique J



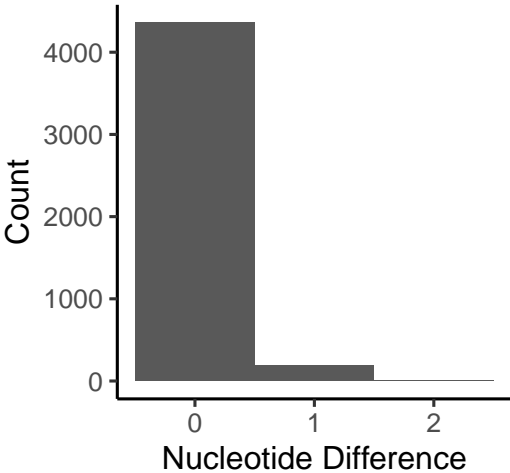
TRBV5-6*ap01

4882 sequences assigned
4820 (98.7%) exact matches, in which:
4670 unique CDR3
13 unique J



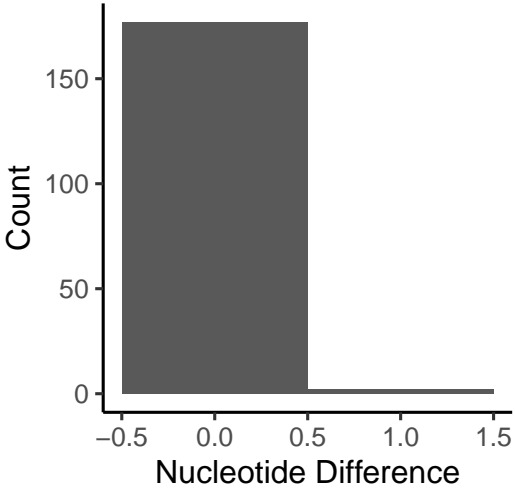
TRBV6-1*ap01

4556 sequences assigned
4359 (95.7%) exact matches, in which:
4259 unique CDR3
13 unique J



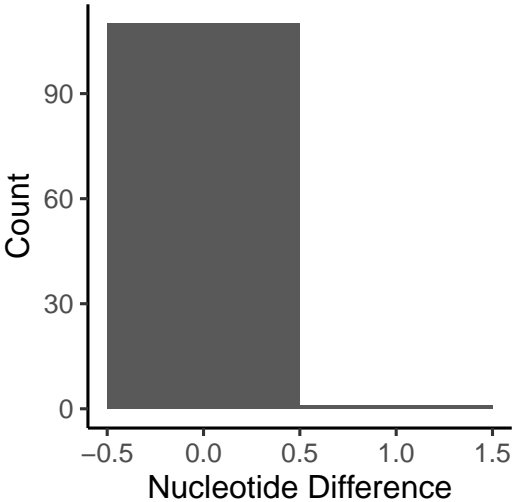
TRBV6-8*ap01

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



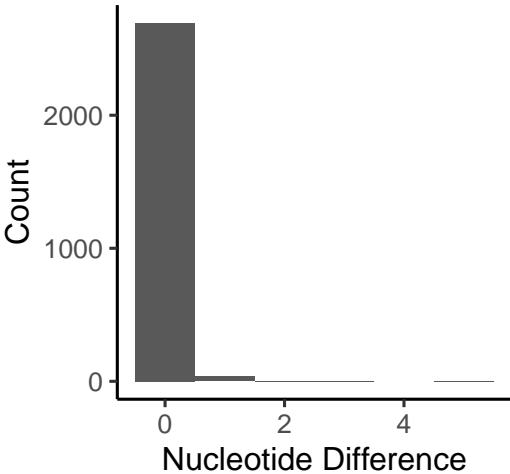
TRBV5-7*ap01

111 sequences assigned
110 (99.1%) exact matches, in which:
107 unique CDR3
11 unique J



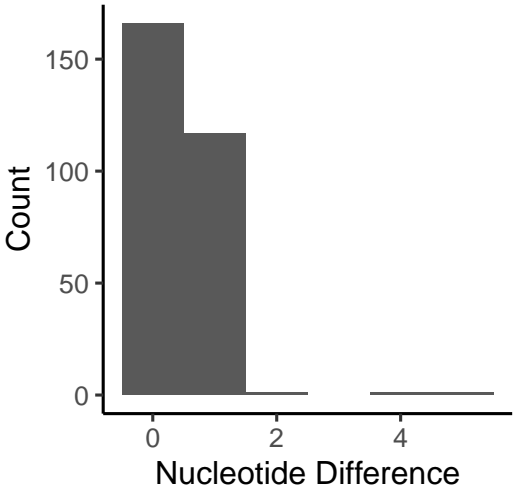
TRBV6-4*ap01

2735 sequences assigned
2693 (98.5%) exact matches, in which:
2656 unique CDR3
13 unique J



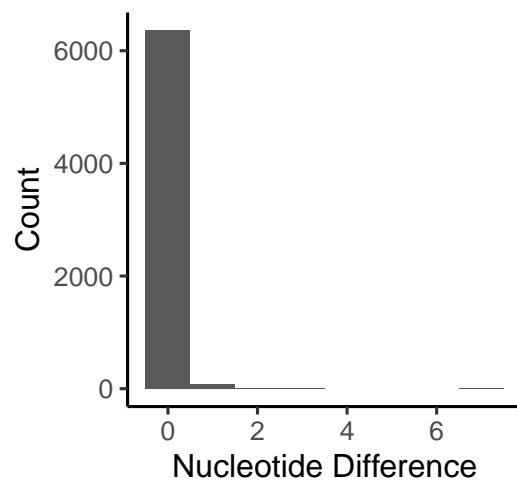
TRBV6-9*ap01

286 sequences assigned
166 (58%) exact matches, in which:
160 unique CDR3
13 unique J



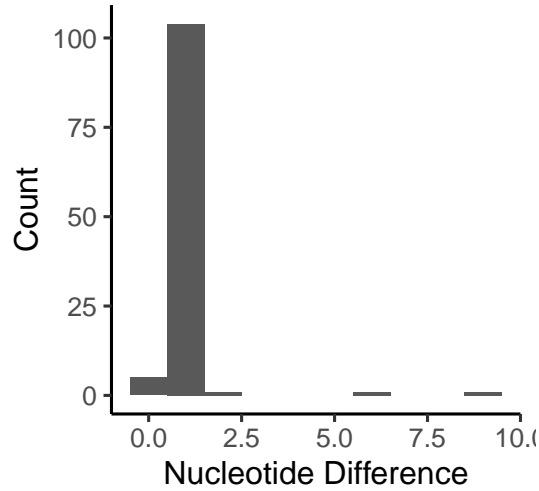
TRBV6–23*ap01

6443 sequences assigned
6361 (98.7%) exact matches, in which:
6208 unique CDR3
13 unique J



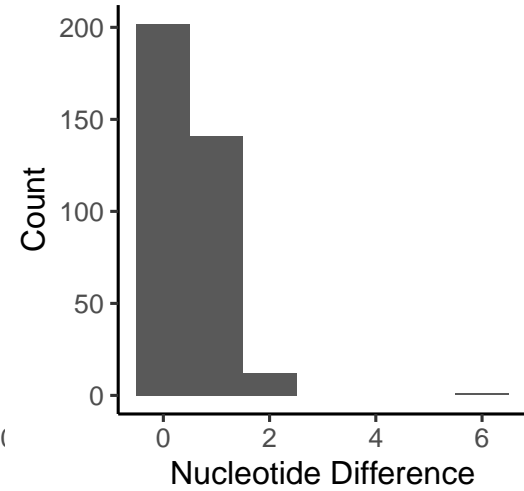
TRBV7–1*ap01_T296C

112 sequences assigned
5 (4.5%) exact matches, in which:
5 unique CDR3
2 unique J



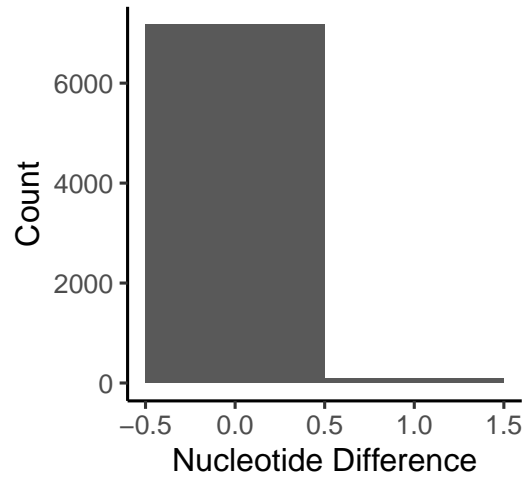
TRBV7–4*ap01

356 sequences assigned
202 (56.7%) exact matches, in which:
201 unique CDR3
13 unique J



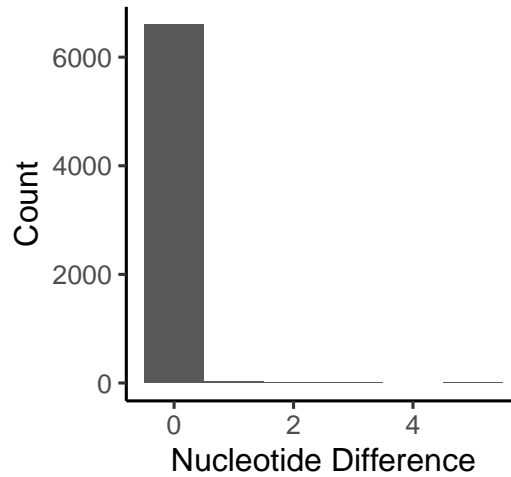
TRBV6–56*ap01

7257 sequences assigned
7169 (98.8%) exact matches, in which:
6960 unique CDR3
13 unique J



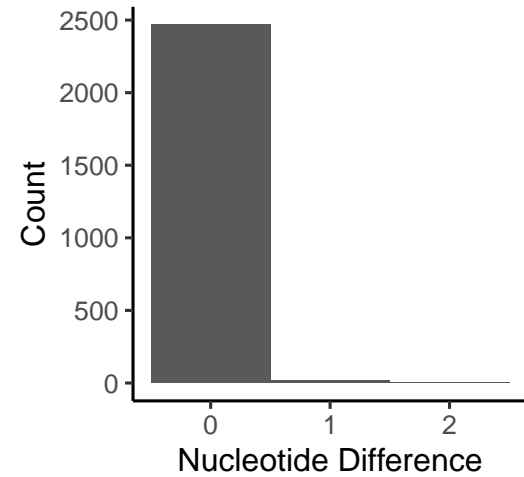
TRBV7–2*ap01

6635 sequences assigned
6597 (99.4%) exact matches, in which:
6526 unique CDR3
13 unique J



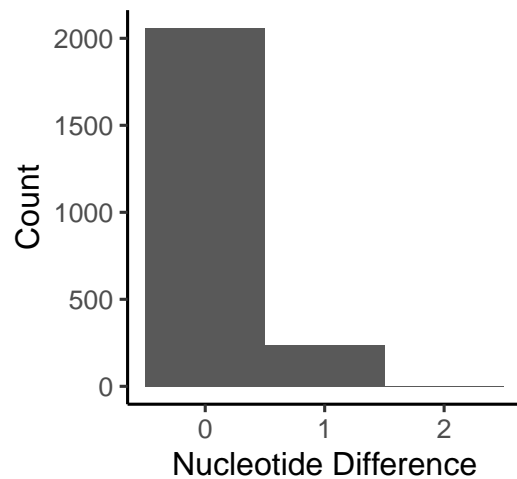
TRBV7–6*ap01

2489 sequences assigned
2468 (99.2%) exact matches, in which:
2423 unique CDR3
13 unique J



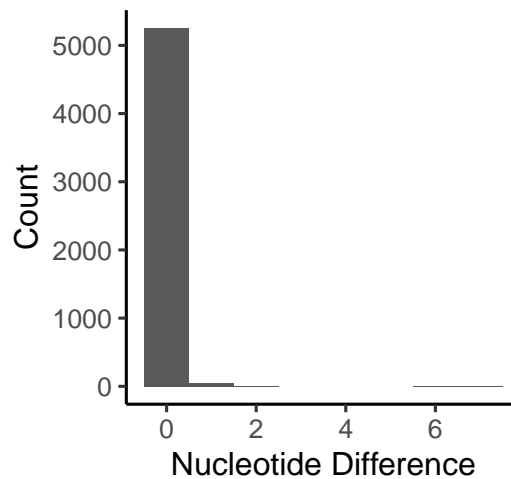
TRBV6–56*ap02

2297 sequences assigned
2059 (89.6%) exact matches, in which:
2004 unique CDR3
13 unique J



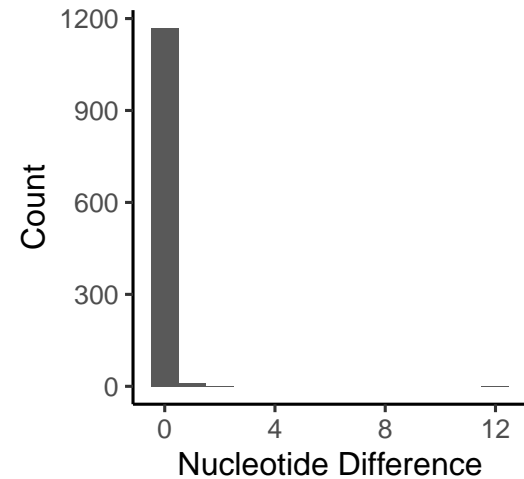
TRBV7–3*ap01

5306 sequences assigned
5254 (99%) exact matches, in which:
5215 unique CDR3
13 unique J



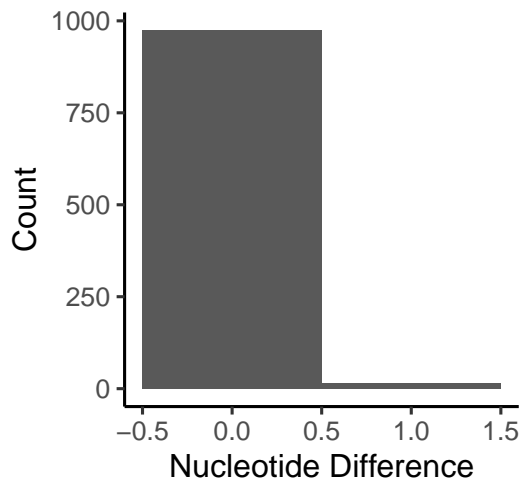
TRBV7–7*ap01_C315T

1182 sequences assigned
1169 (98.9%) exact matches, in which:
1147 unique CDR3
13 unique J



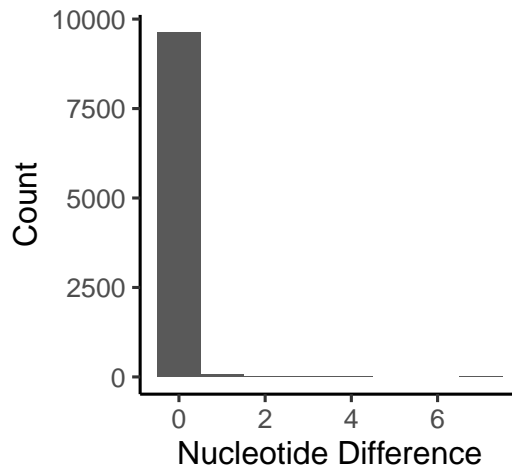
TRBV7-8*ap01

989 sequences assigned
974 (98.5%) exact matches, in which:
959 unique CDR3
13 unique J



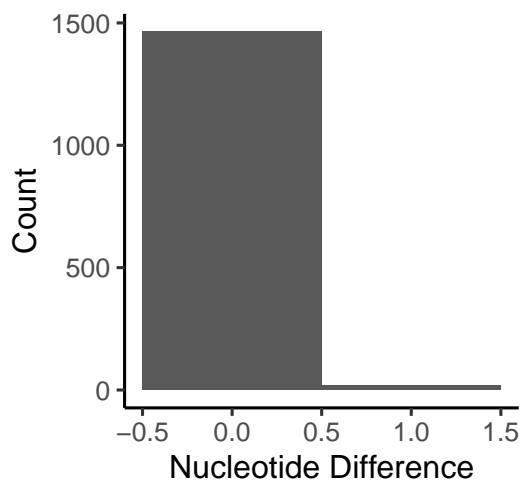
TRBV7-9*ap01

9716 sequences assigned
9635 (99.2%) exact matches, in which:
9510 unique CDR3
13 unique J



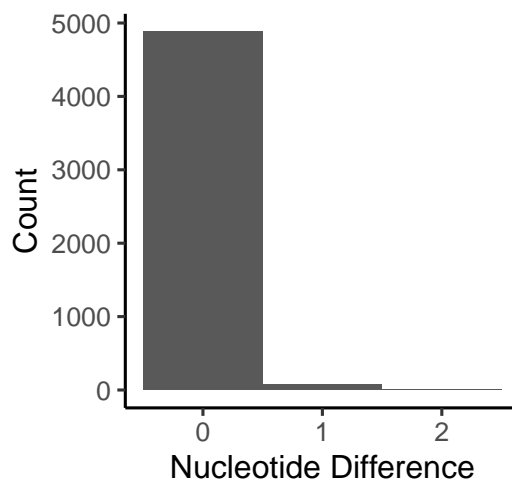
TRBV7-8*ap02

1484 sequences assigned
1464 (98.7%) exact matches, in which:
1441 unique CDR3
13 unique J



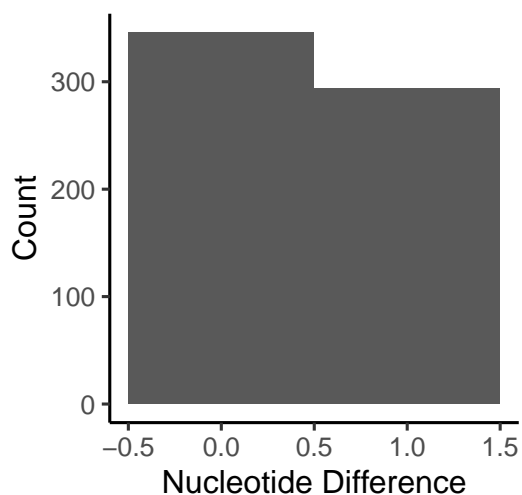
TRBV29-1*ap01

4960 sequences assigned
4881 (98.4%) exact matches, in which:
4733 unique CDR3
13 unique J



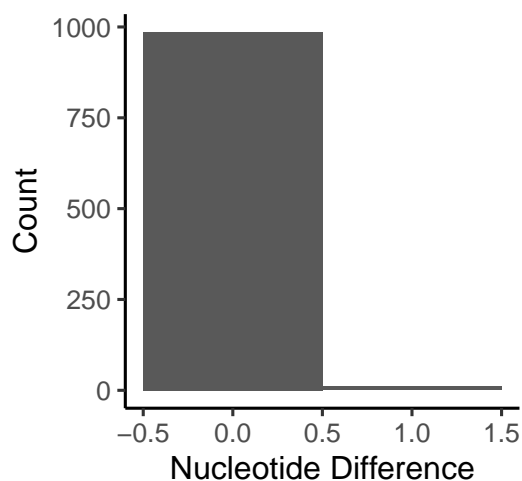
TRBV7-8*ap03

640 sequences assigned
346 (54.1%) exact matches, in which:
344 unique CDR3
13 unique J

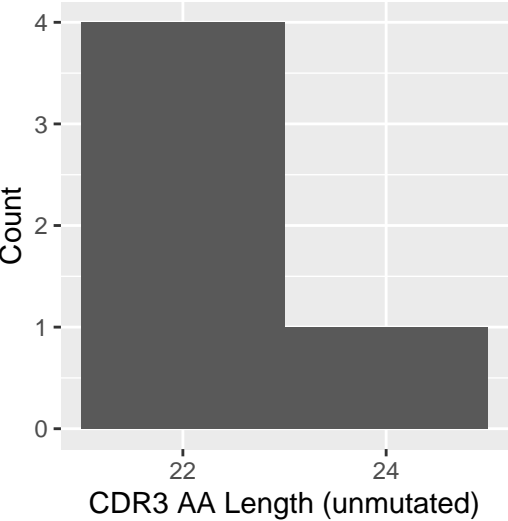


TRBV29-1*ap02

997 sequences assigned
986 (98.9%) exact matches, in which:
963 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

