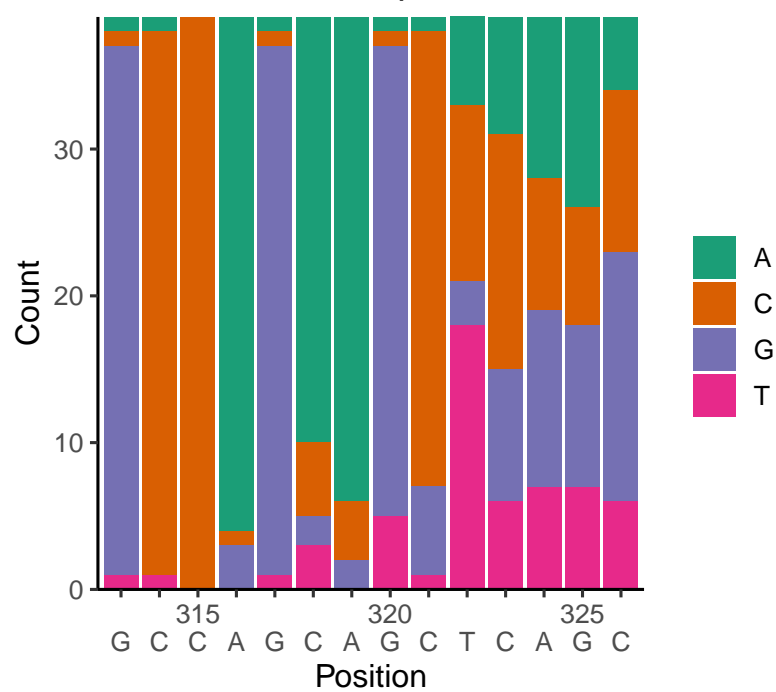
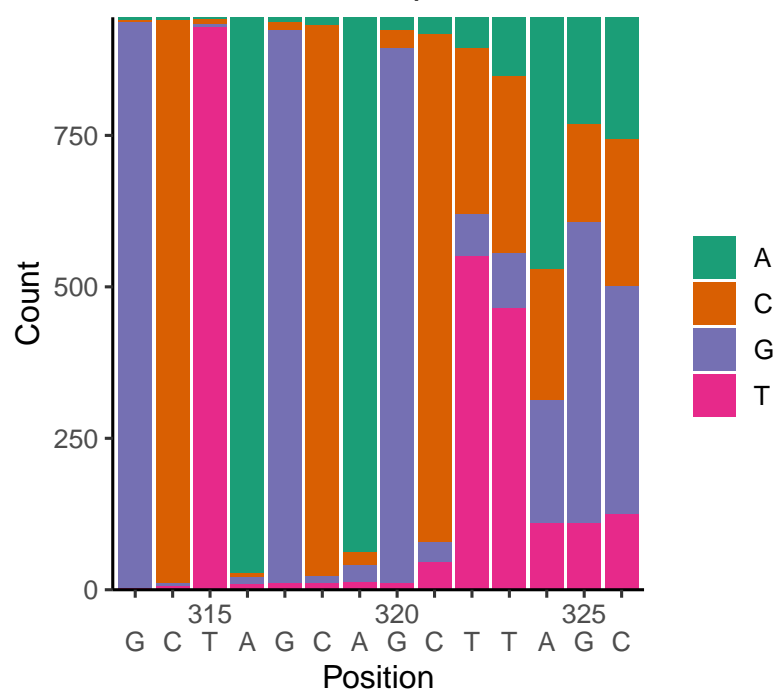


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



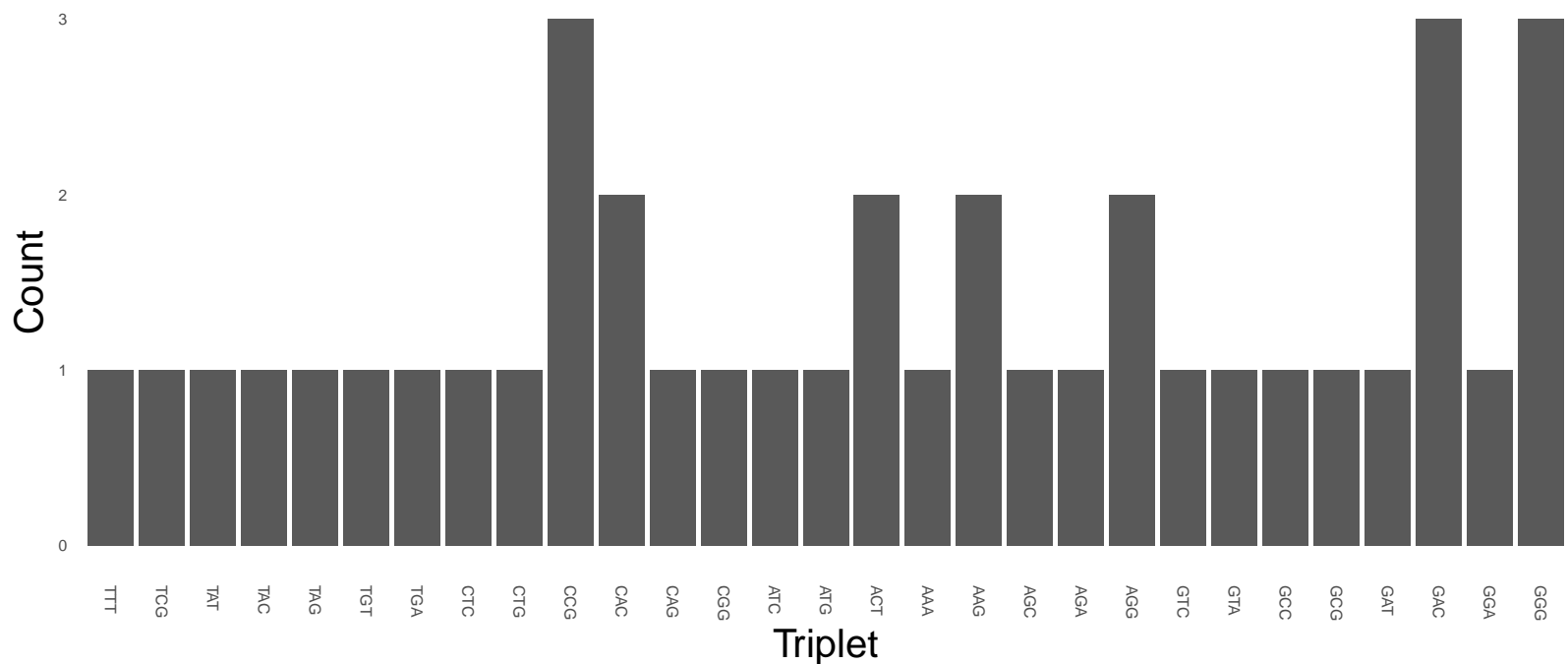
Gene TRBV7-1*ap01_T296C



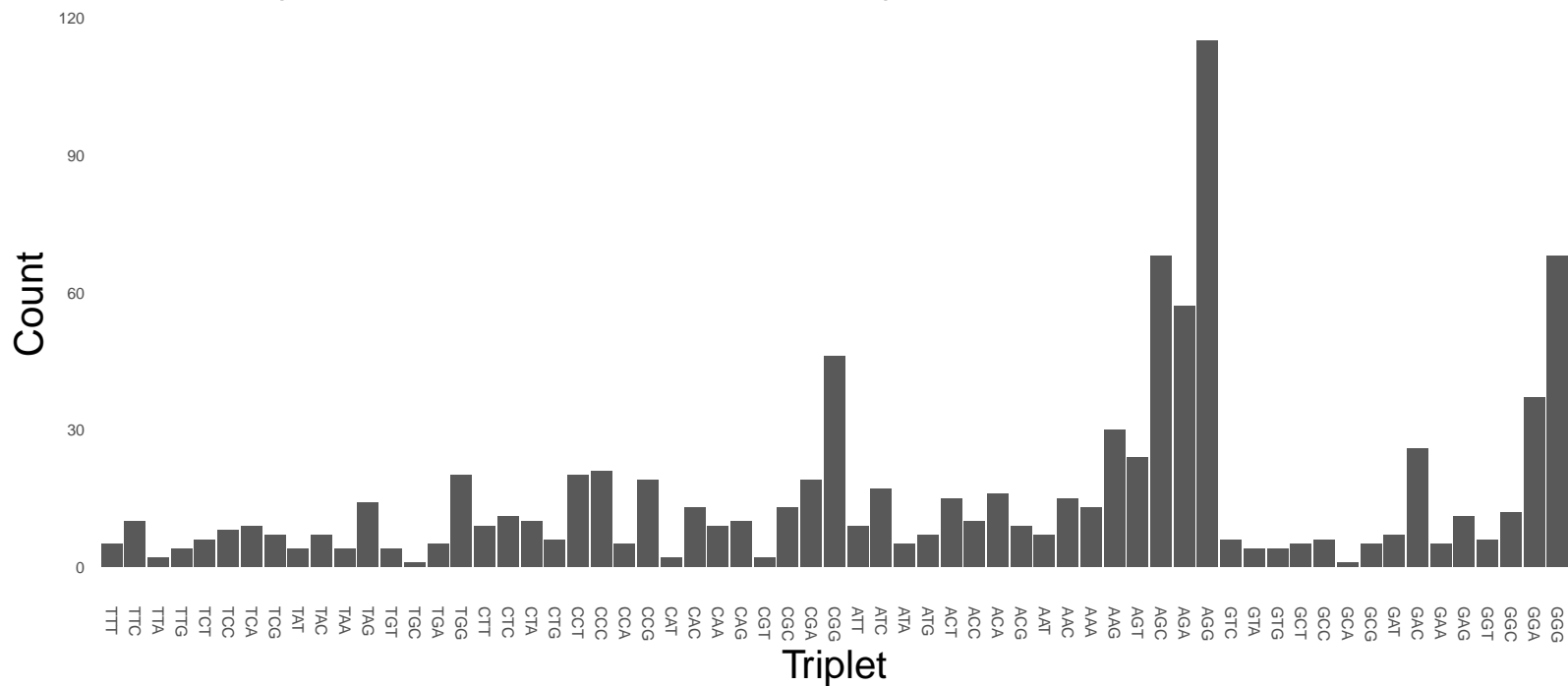
Gene TRBV7-7*ap01_C315T



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

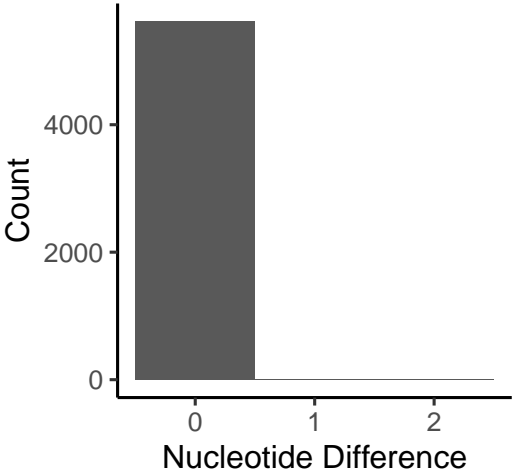


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



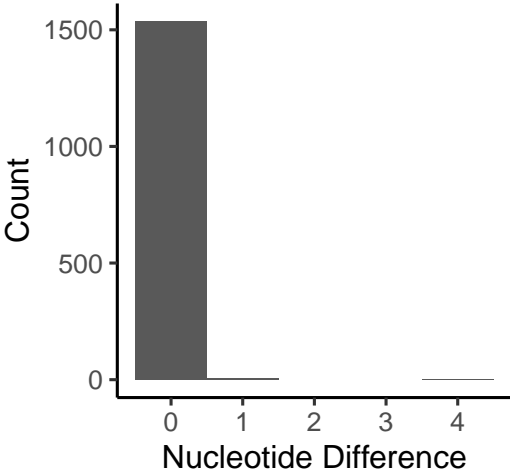
TRBV20-1*ap01

5632 sequences assigned
5621 (99.8%) exact matches, in which:
5609 unique CDR3
13 unique J



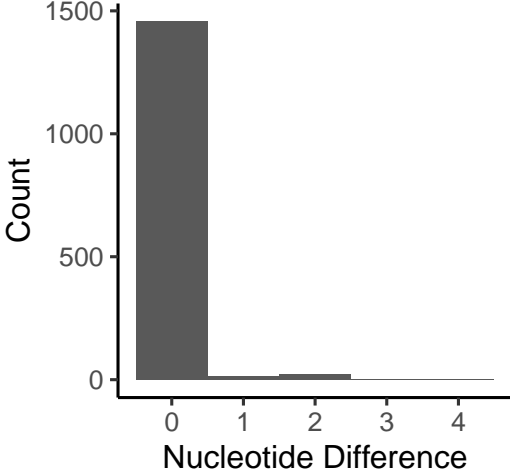
TRBV10-2*ap01

1545 sequences assigned
1536 (99.4%) exact matches, in which:
1531 unique CDR3
13 unique J



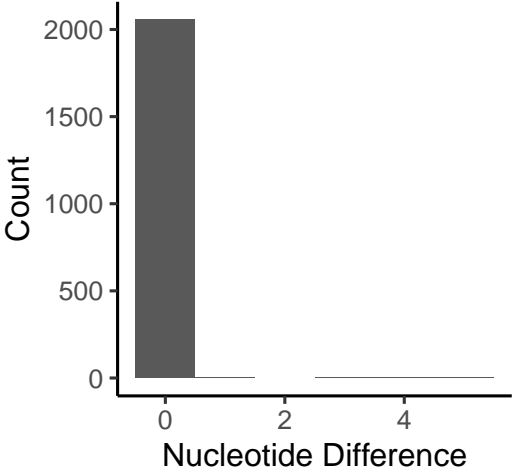
TRBV13*ap01

1497 sequences assigned
1457 (97.3%) exact matches, in which:
1444 unique CDR3
13 unique J



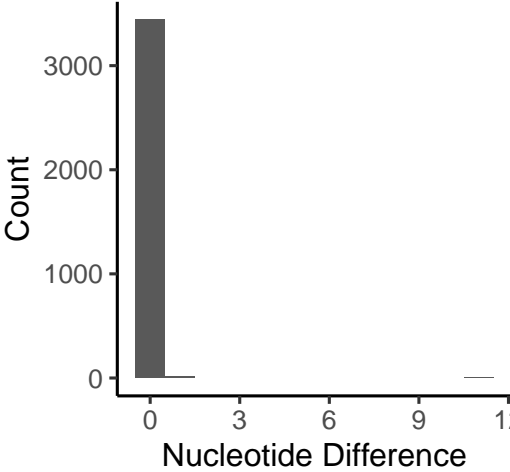
TRBV10-1*ap01

2064 sequences assigned
2056 (99.6%) exact matches, in which:
2050 unique CDR3
13 unique J



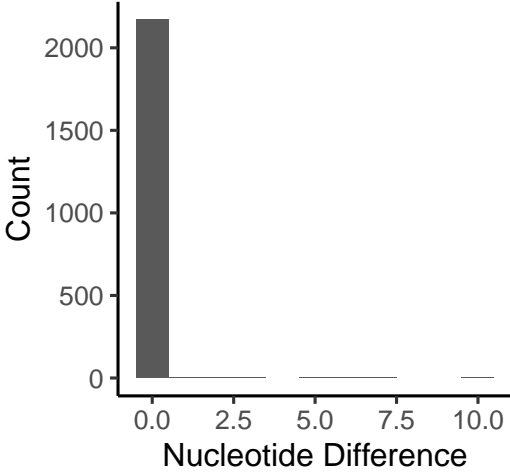
TRBV10-3*ap01

3452 sequences assigned
3441 (99.7%) exact matches, in which:
3436 unique CDR3
13 unique J



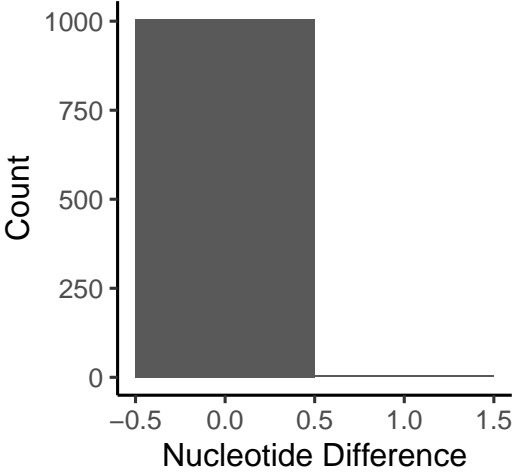
TRBV14*ap01

2184 sequences assigned
2170 (99.4%) exact matches, in which:
2162 unique CDR3
13 unique J



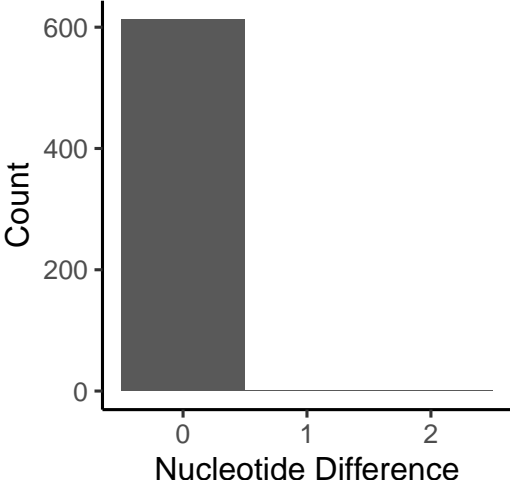
TRBV20-1*ap02

1011 sequences assigned
1006 (99.5%) exact matches, in which:
1003 unique CDR3
13 unique J



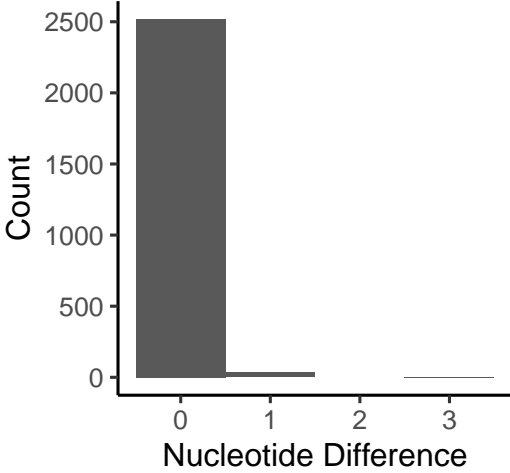
TRBV1*ap01

615 sequences assigned
613 (99.7%) exact matches, in which:
609 unique CDR3
13 unique J



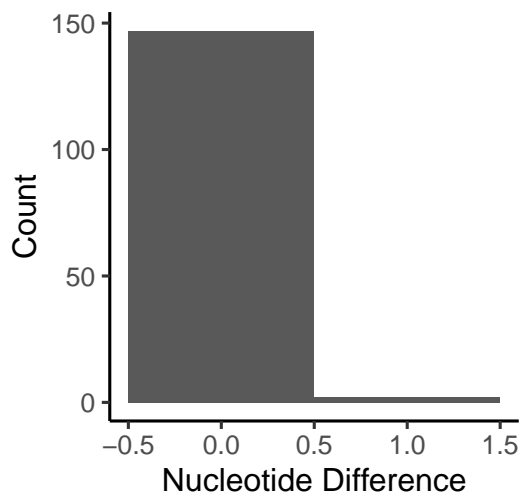
TRBV15*ap02

2554 sequences assigned
2519 (98.6%) exact matches, in which:
2512 unique CDR3
13 unique J



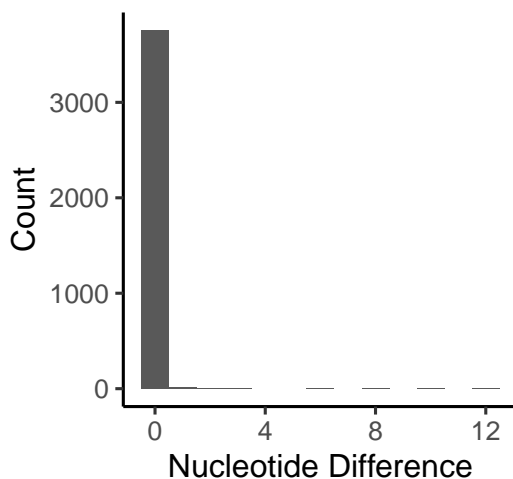
TRBV16*ap01

149 sequences assigned
147 (98.7%) exact matches, in which:
147 unique CDR3
12 unique J



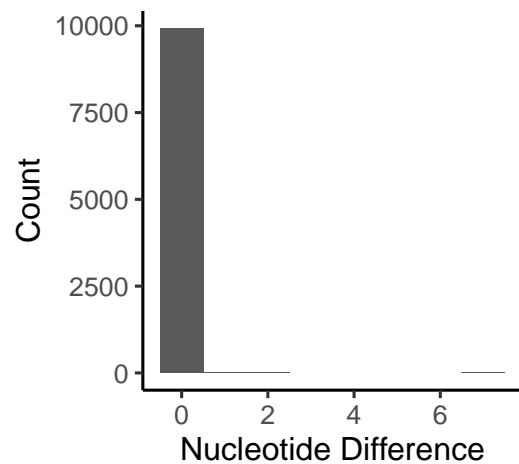
TRBV19*ap01

3783 sequences assigned
3754 (99.2%) exact matches, in which:
3750 unique CDR3
13 unique J



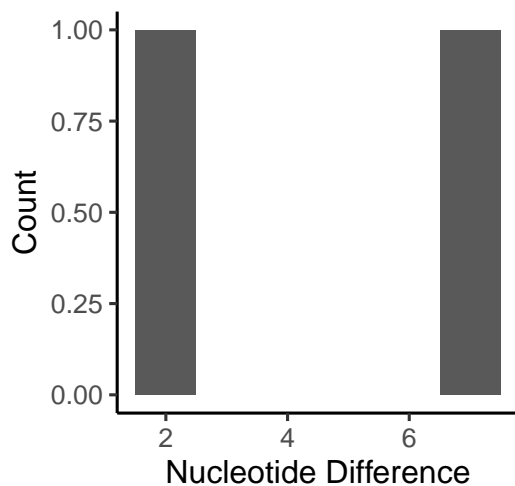
TRBV28*ap01

9960 sequences assigned
9932 (99.7%) exact matches, in which:
9917 unique CDR3
13 unique J



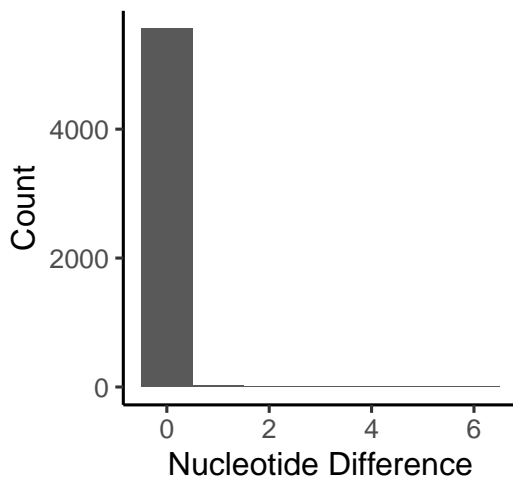
TRBV17*ap01

2 sequences assigned
No exact matches.



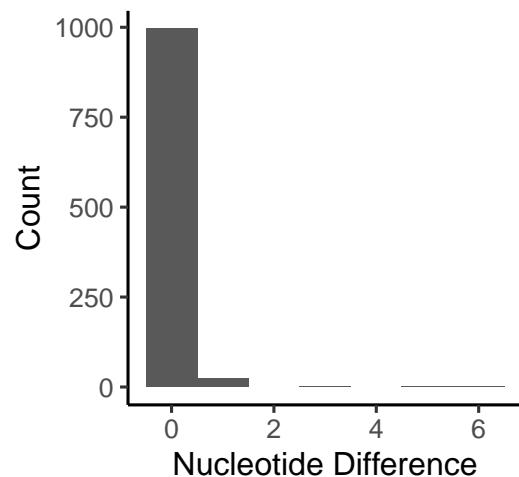
TRBV2*ap01

5585 sequences assigned
5558 (99.5%) exact matches, in which:
5547 unique CDR3
13 unique J



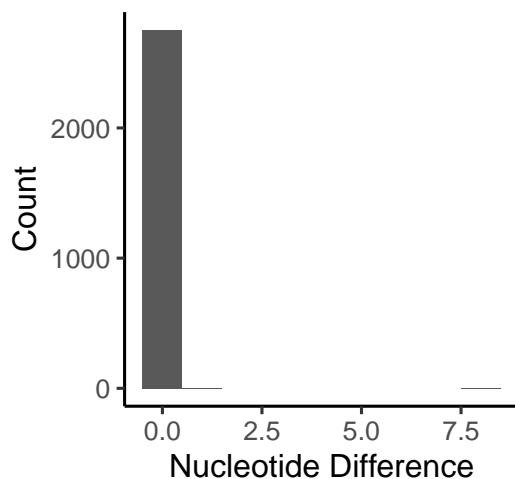
TRBV30*ap02

1022 sequences assigned
996 (97.5%) exact matches, in which:
989 unique CDR3
13 unique J



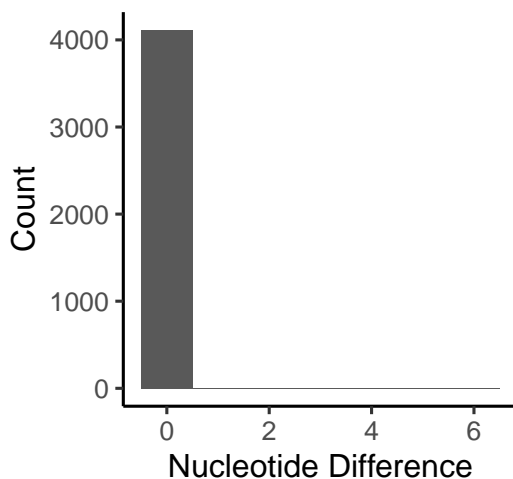
TRBV18*ap01

2756 sequences assigned
2752 (99.9%) exact matches, in which:
2747 unique CDR3
13 unique J



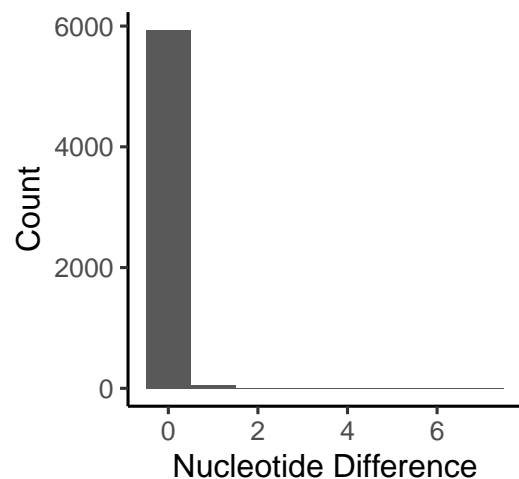
TRBV27*ap01

4126 sequences assigned
4113 (99.7%) exact matches, in which:
4105 unique CDR3
13 unique J



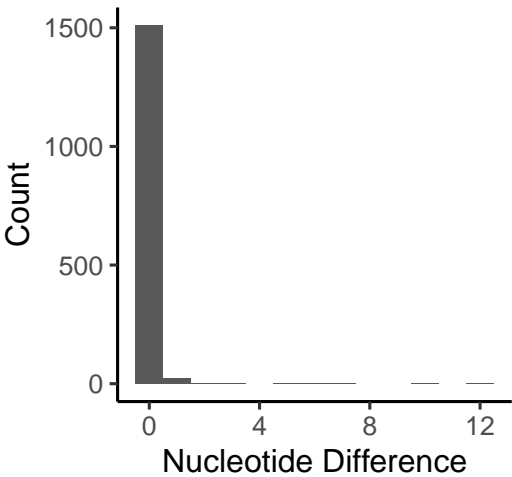
TRBV9*ap01

6002 sequences assigned
5934 (98.9%) exact matches, in which:
5921 unique CDR3
13 unique J



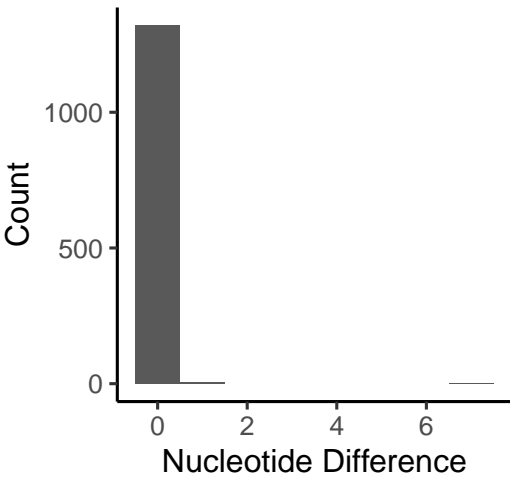
TRBV21-1*ap01

1543 sequences assigned
1510 (97.9%) exact matches, in which:
1510 unique CDR3
13 unique J



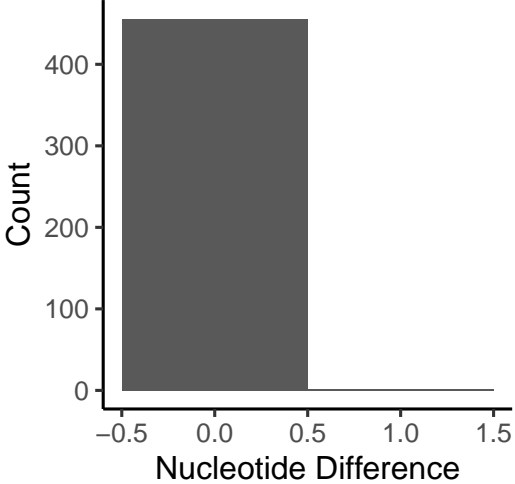
TRBV11-3*ap01

1325 sequences assigned
1320 (99.6%) exact matches, in which:
1320 unique CDR3
13 unique J



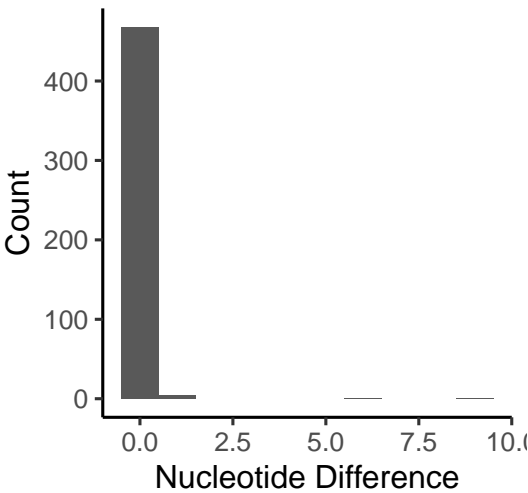
TRBV12-5*ap01

458 sequences assigned
456 (99.6%) exact matches, in which:
453 unique CDR3
13 unique J



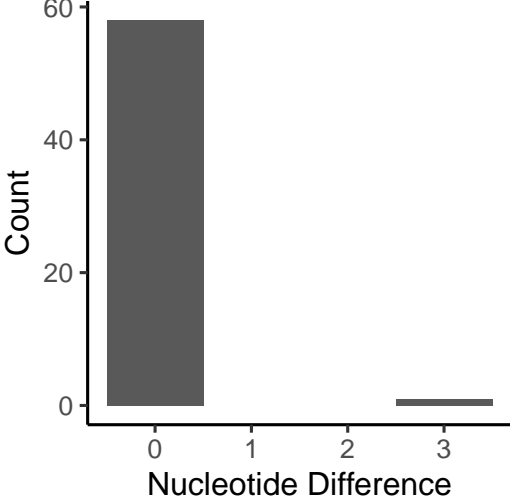
TRBV11-1*ap01

474 sequences assigned
468 (98.7%) exact matches, in which:
467 unique CDR3
13 unique J



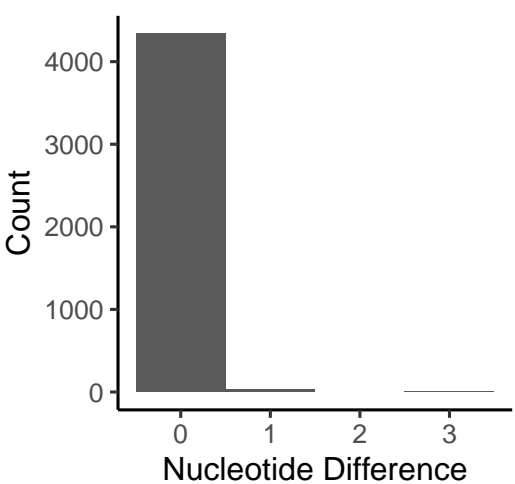
TRBV12-1*ap01

59 sequences assigned
58 (98.3%) exact matches, in which:
58 unique CDR3
11 unique J



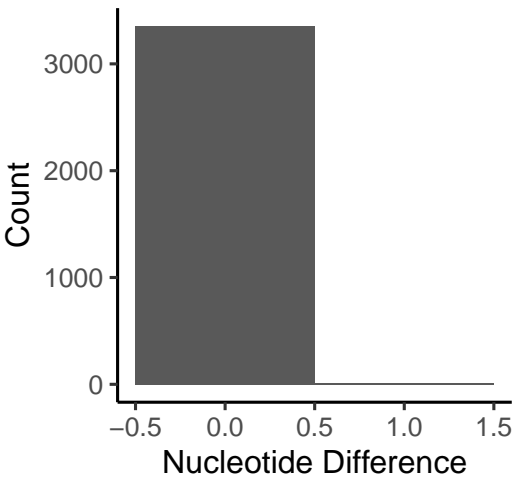
TRBV12-34*ap01

4365 sequences assigned
4338 (99.4%) exact matches, in which:
4328 unique CDR3
13 unique J



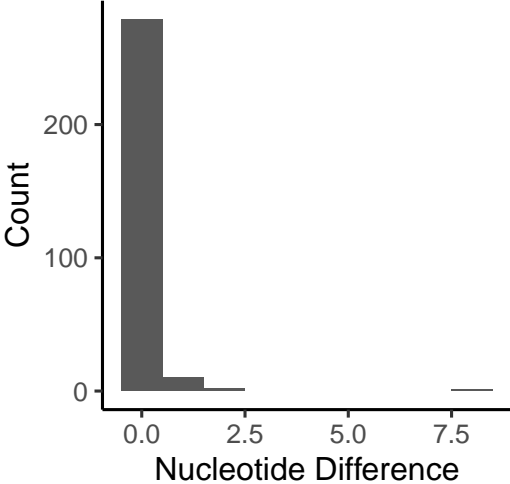
TRBV11-2*ap01

3365 sequences assigned
3354 (99.7%) exact matches, in which:
3346 unique CDR3
13 unique J



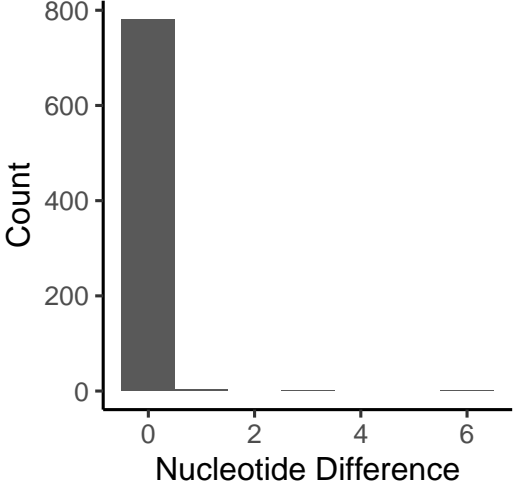
TRBV12-2*ap01

292 sequences assigned
279 (95.5%) exact matches, in which:
277 unique CDR3
12 unique J



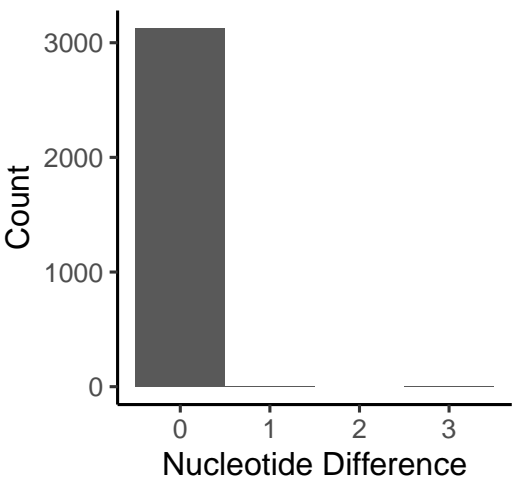
TRBV23-1*ap01

787 sequences assigned
781 (99.2%) exact matches, in which:
781 unique CDR3
13 unique J



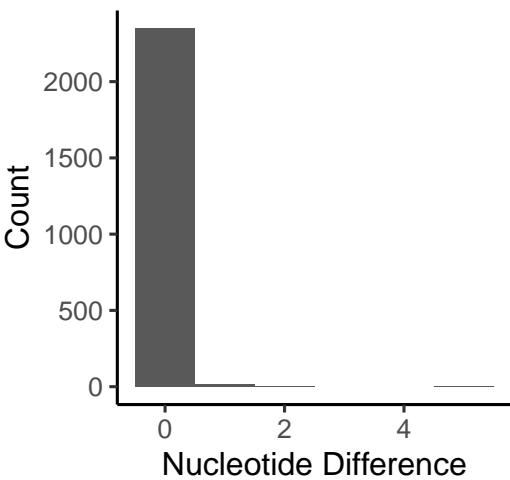
TRBV3-12*ap01

3130 sequences assigned
3125 (99.8%) exact matches, in which:
3124 unique CDR3
13 unique J



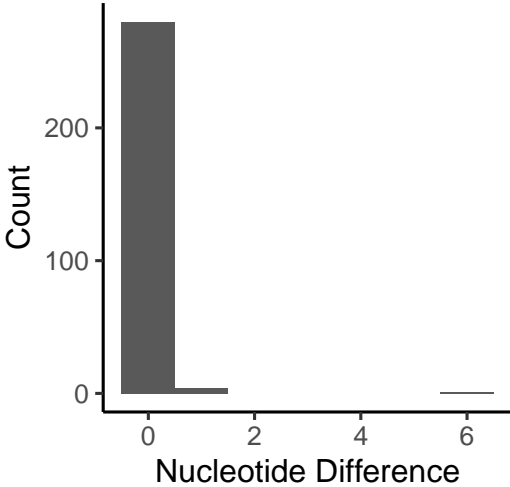
TRBV4-2*ap01

2368 sequences assigned
2349 (99.2%) exact matches, in which:
2342 unique CDR3
13 unique J



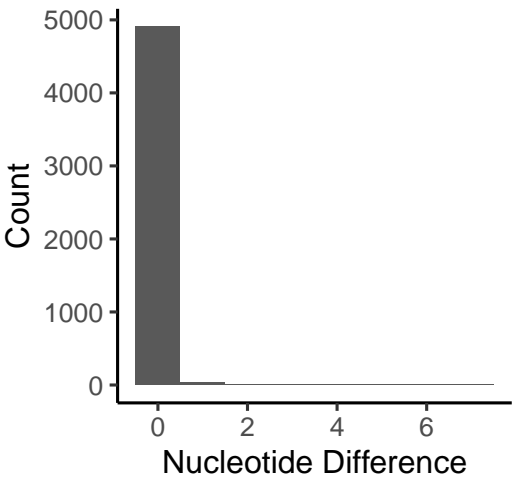
TRBV5-3*ap01

285 sequences assigned
280 (98.2%) exact matches, in which:
280 unique CDR3
13 unique J



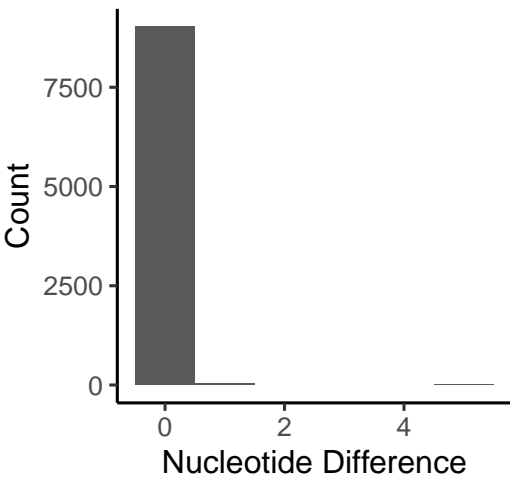
TRBV24-1*ap01

4949 sequences assigned
4906 (99.1%) exact matches, in which:
4889 unique CDR3
13 unique J



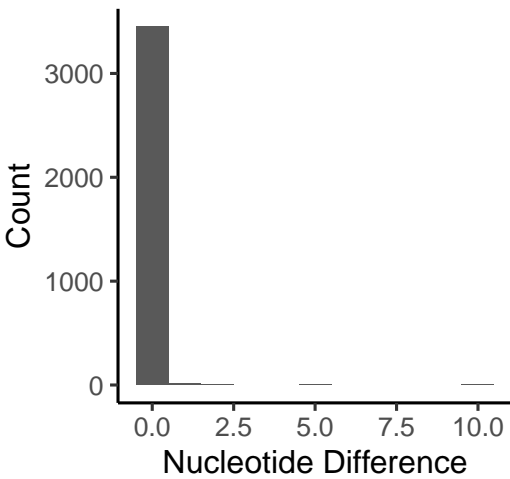
TRBV5-1*ap01

9076 sequences assigned
9025 (99.4%) exact matches, in which:
9007 unique CDR3
13 unique J



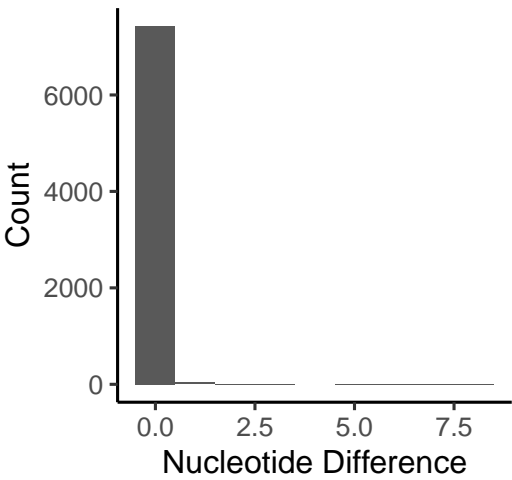
TRBV5-4*ap01

3468 sequences assigned
3450 (99.5%) exact matches, in which:
3446 unique CDR3
13 unique J



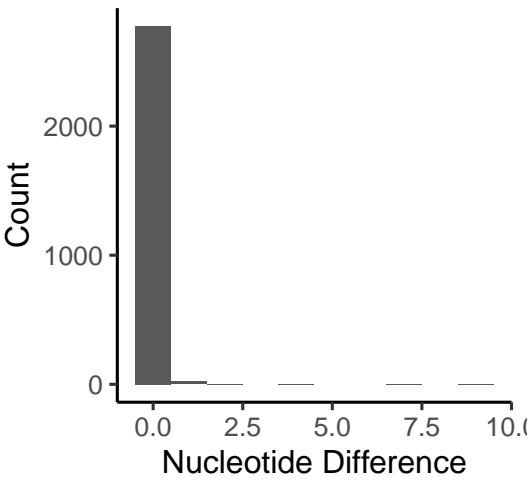
TRBV4-1*ap01

7470 sequences assigned
7429 (99.5%) exact matches, in which:
7399 unique CDR3
13 unique J



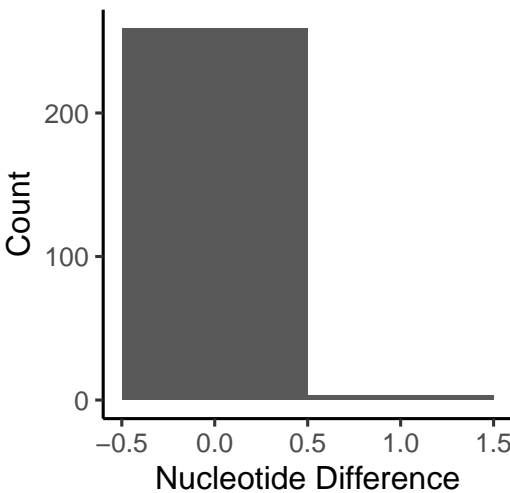
TRBV25-1*ap01

2801 sequences assigned
2775 (99.1%) exact matches, in which:
2752 unique CDR3
13 unique J



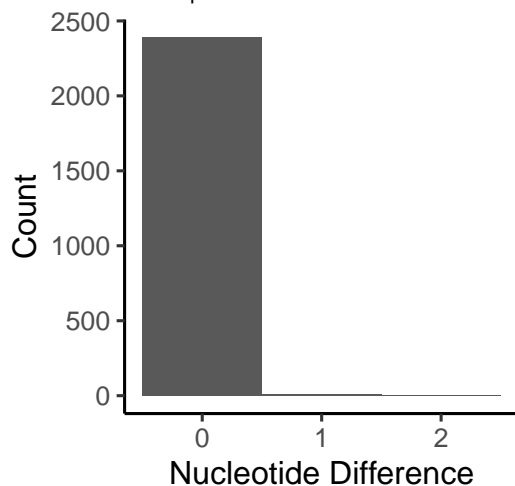
TRBV5-5*ap01

262 sequences assigned
259 (98.9%) exact matches, in which:
258 unique CDR3
11 unique J



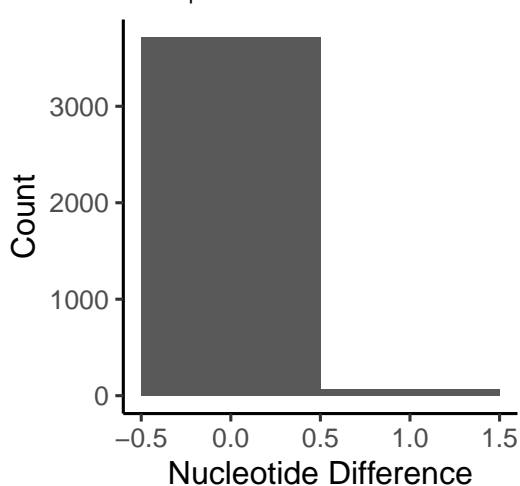
TRBV5-6*ap01

2405 sequences assigned
2390 (99.4%) exact matches, in which:
2386 unique CDR3
13 unique J



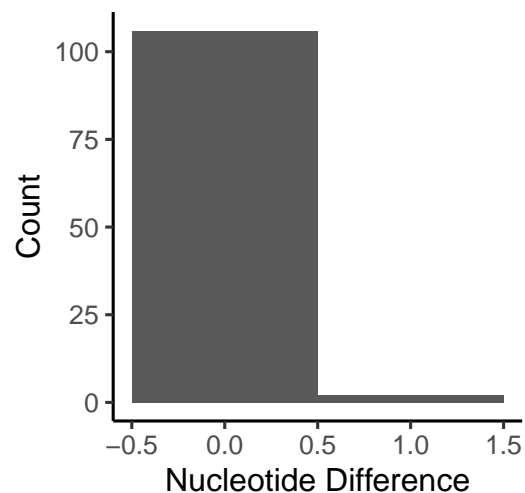
TRBV6-1*ap01

3777 sequences assigned
3714 (98.3%) exact matches, in which:
3696 unique CDR3
13 unique J



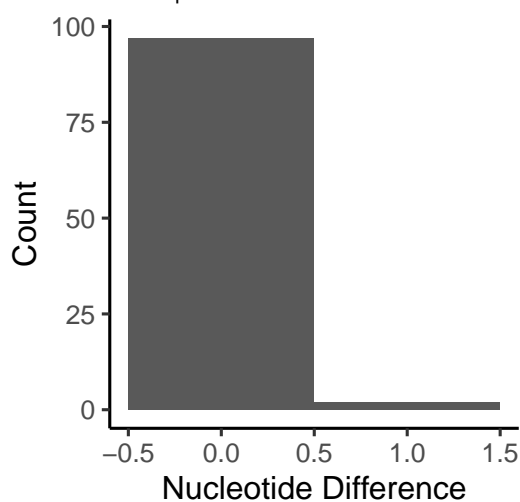
TRBV6-8*ap01

108 sequences assigned
106 (98.1%) exact matches, in which:
106 unique CDR3
12 unique J



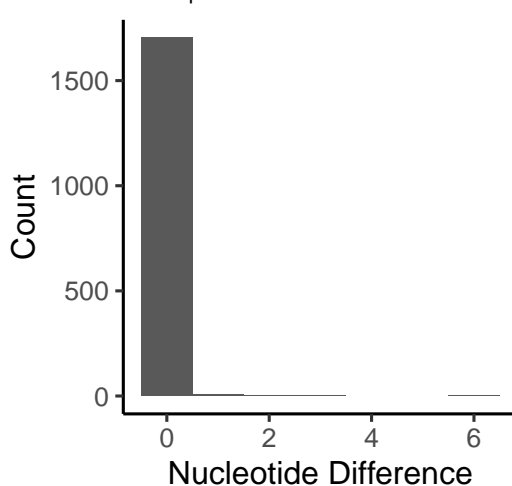
TRBV5-7*ap01

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



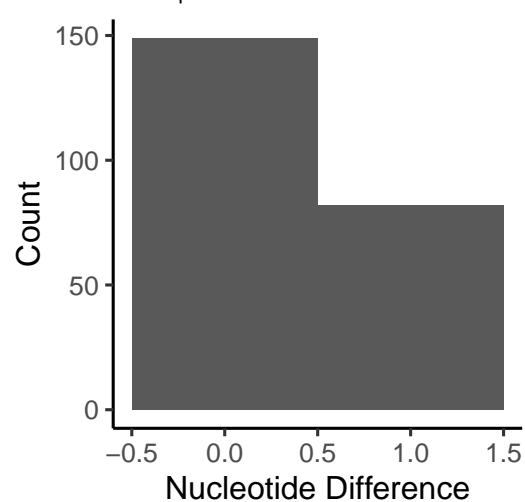
TRBV6-4*ap01

1714 sequences assigned
1704 (99.4%) exact matches, in which:
1698 unique CDR3
13 unique J



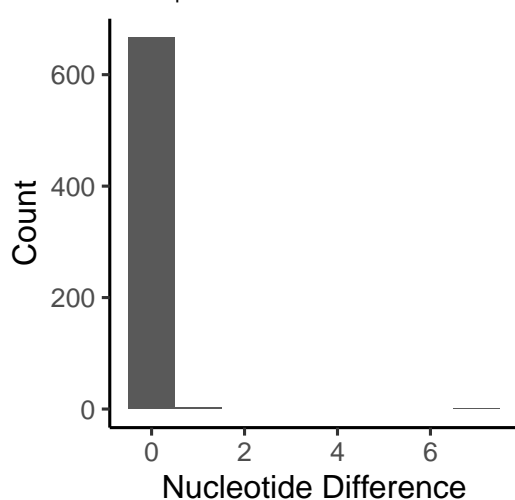
TRBV6-9*ap01

231 sequences assigned
149 (64.5%) exact matches, in which:
149 unique CDR3
13 unique J



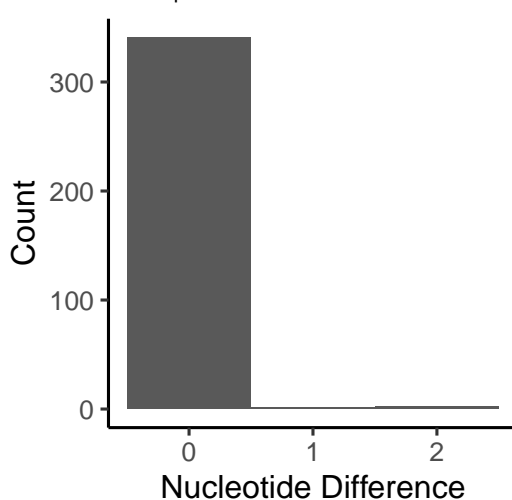
TRBV5-8*ap01

670 sequences assigned
667 (99.6%) exact matches, in which:
666 unique CDR3
13 unique J



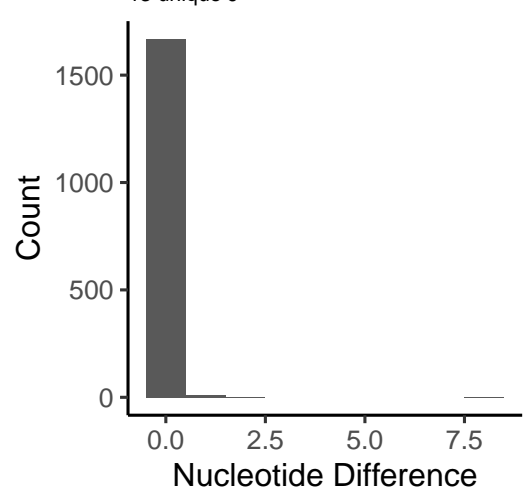
TRBV6-7*ap01

344 sequences assigned
341 (99.1%) exact matches, in which:
338 unique CDR3
12 unique J



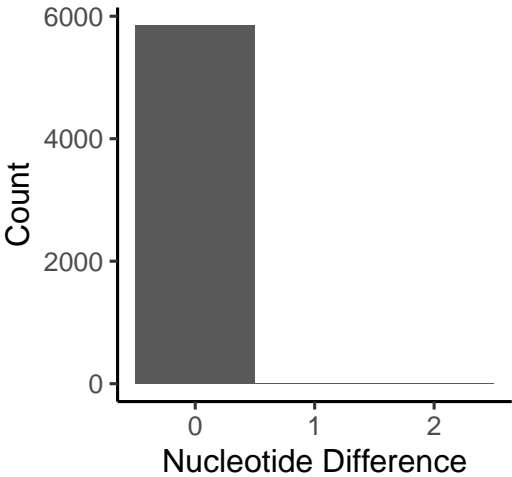
TRBV6-23*ap01

1682 sequences assigned
1668 (99.2%) exact matches, in which:
1663 unique CDR3
13 unique J



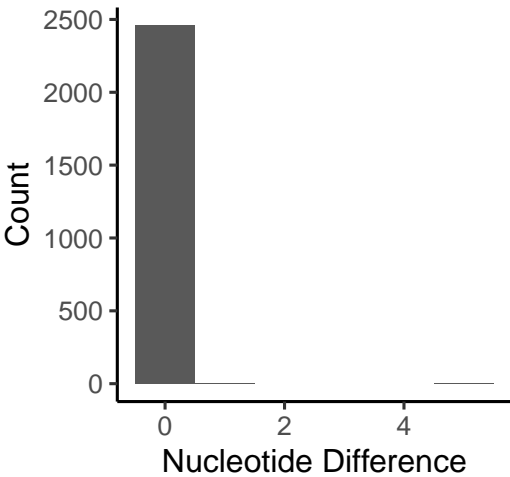
TRBV6-56*ap01

5867 sequences assigned
5850 (99.7%) exact matches, in which:
5835 unique CDR3
13 unique J



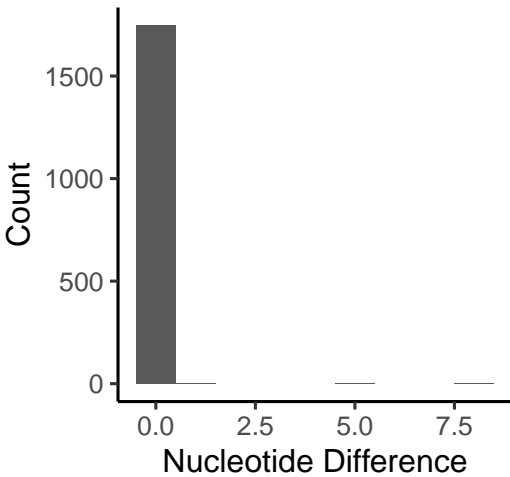
TRBV7-2*ap01

2465 sequences assigned
2459 (99.8%) exact matches, in which:
2454 unique CDR3
13 unique J



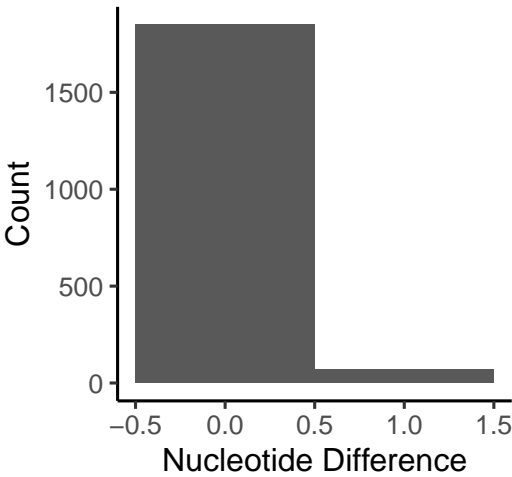
TRBV7-6*ap01

1753 sequences assigned
1747 (99.7%) exact matches, in which:
1745 unique CDR3
13 unique J



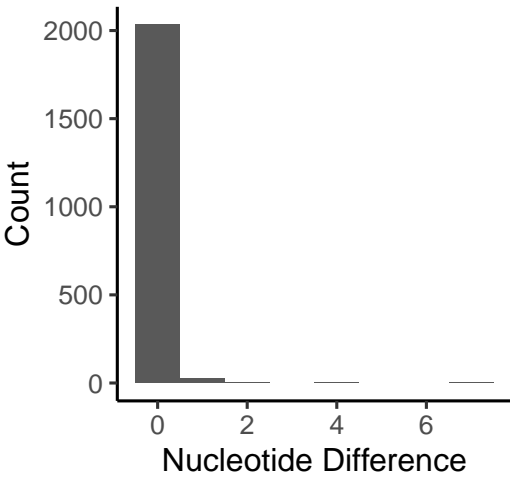
TRBV6-56*ap02

1921 sequences assigned
1849 (96.3%) exact matches, in which:
1839 unique CDR3
13 unique J



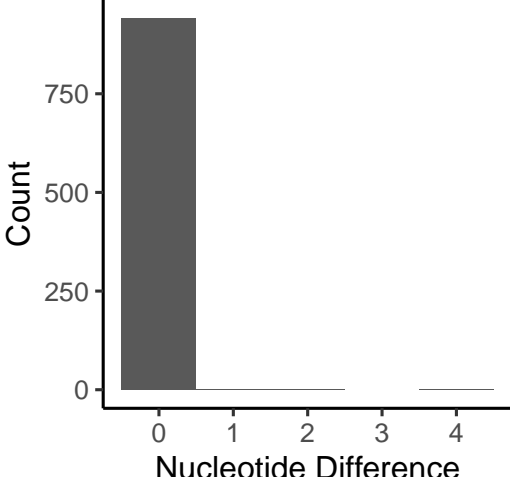
TRBV7-3*ap01

2060 sequences assigned
2033 (98.7%) exact matches, in which:
2026 unique CDR3
13 unique J



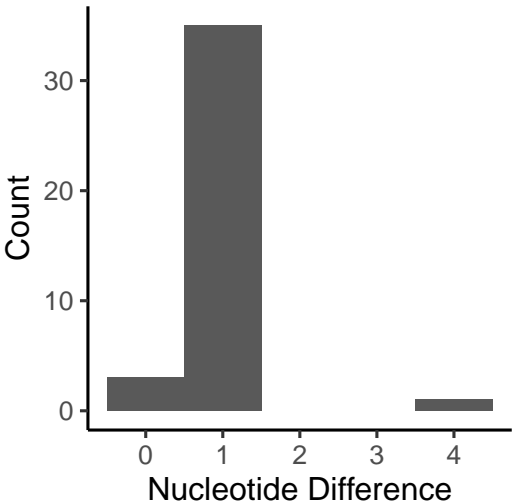
TRBV7-7*ap01_C315T

945 sequences assigned
942 (99.7%) exact matches, in which:
940 unique CDR3
13 unique J



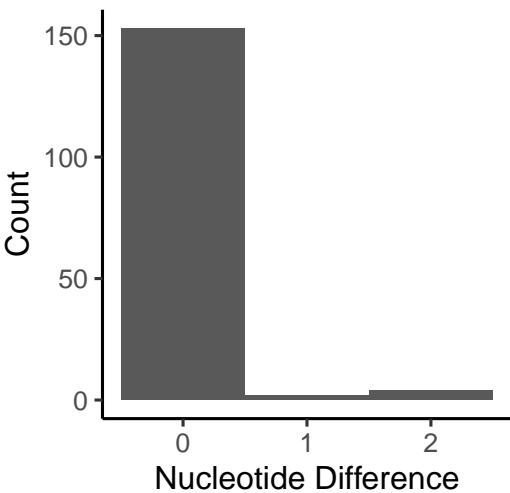
TRBV7-1*ap01_T296C

39 sequences assigned
3 (7.7%) exact matches, in which:
3 unique CDR3
3 unique J



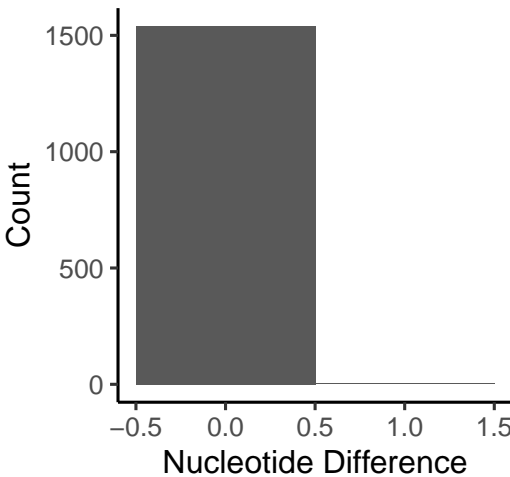
TRBV7-4*ap01

159 sequences assigned
153 (96.2%) exact matches, in which:
152 unique CDR3
12 unique J



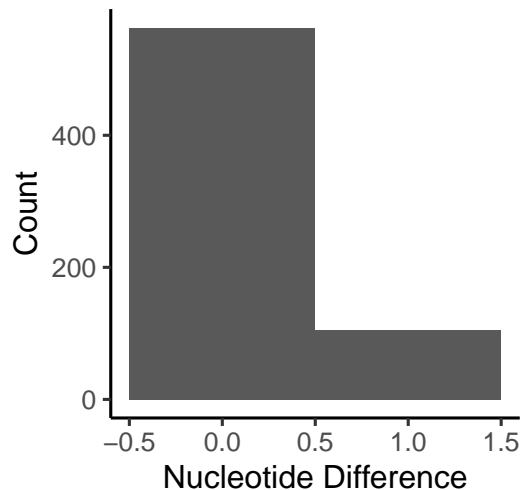
TRBV7-8*ap01

1543 sequences assigned
1540 (99.8%) exact matches, in which:
1535 unique CDR3
13 unique J



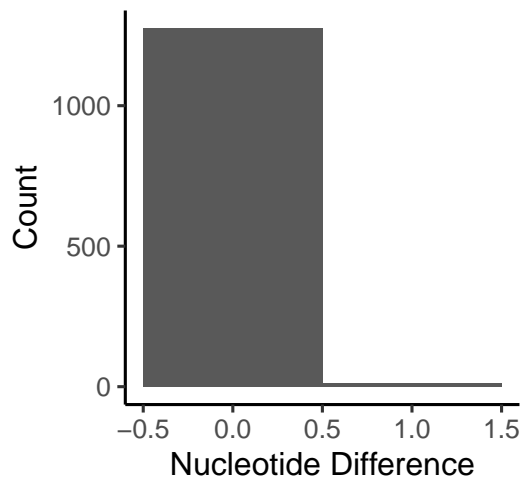
TRBV7-8*ap03

668 sequences assigned
563 (84.3%) exact matches, in which:
562 unique CDR3
12 unique J



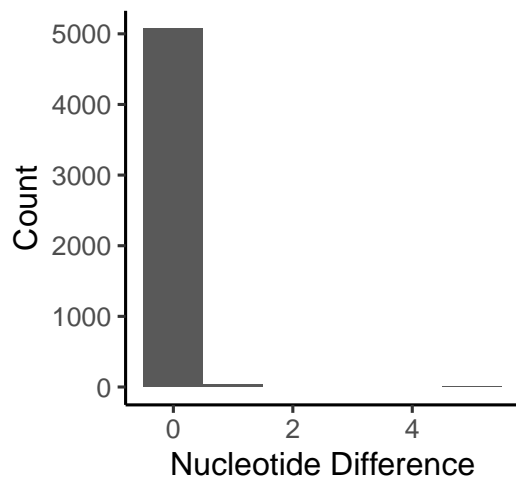
TRBV29-1*ap02

1288 sequences assigned
1275 (99%) exact matches, in which:
1270 unique CDR3
13 unique J



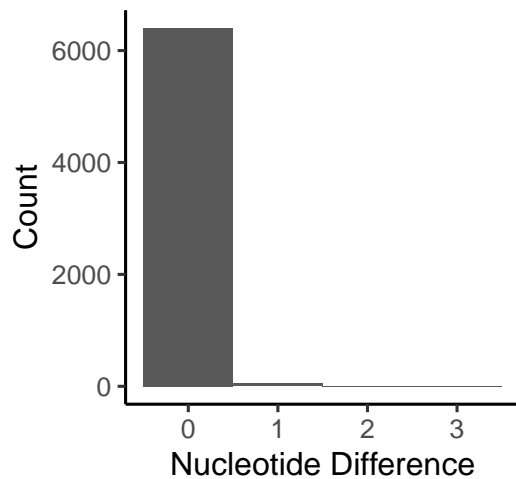
TRBV7-9*ap01

5105 sequences assigned
5072 (99.4%) exact matches, in which:
5061 unique CDR3
13 unique J

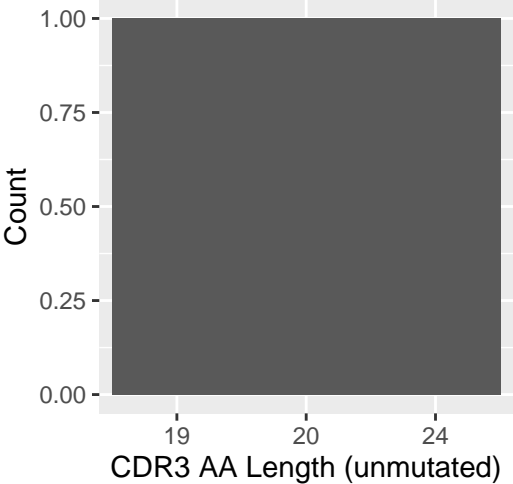


TRBV29-1*ap01

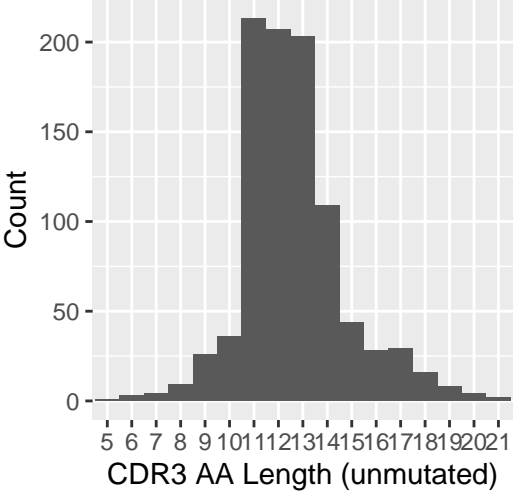
6454 sequences assigned
6402 (99.2%) exact matches, in which:
6354 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]