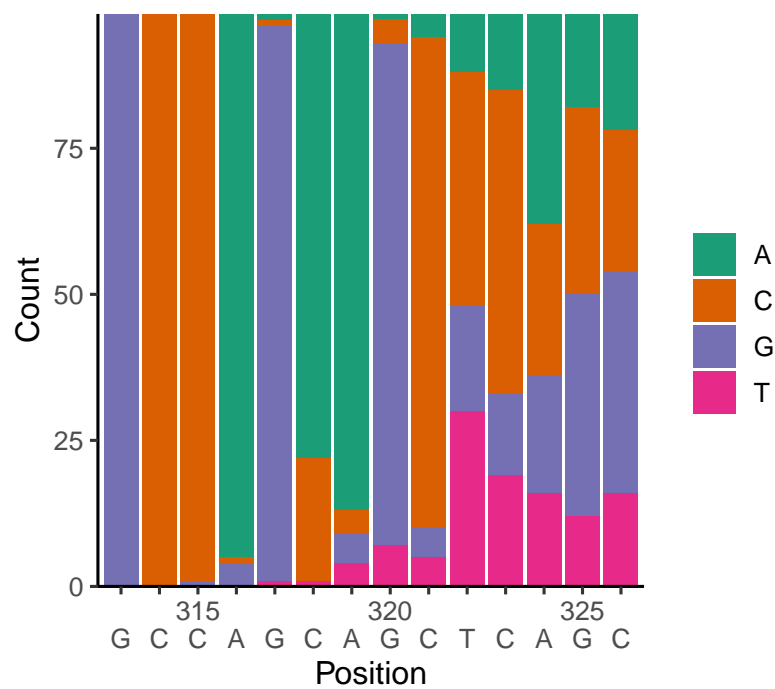
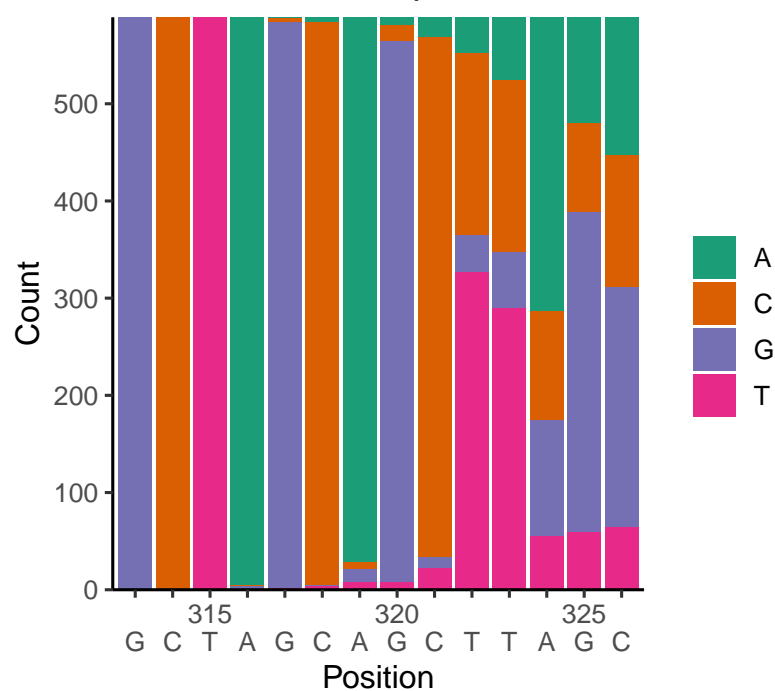


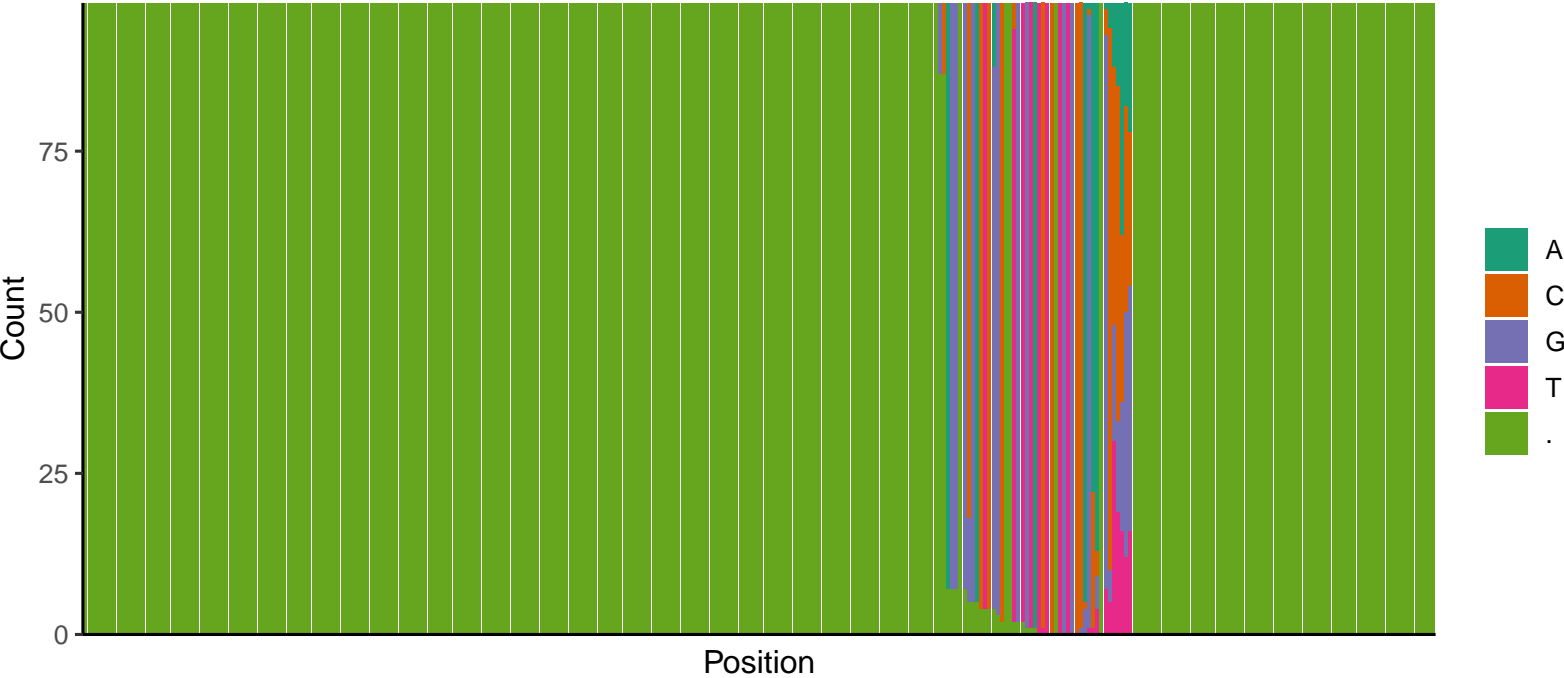
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



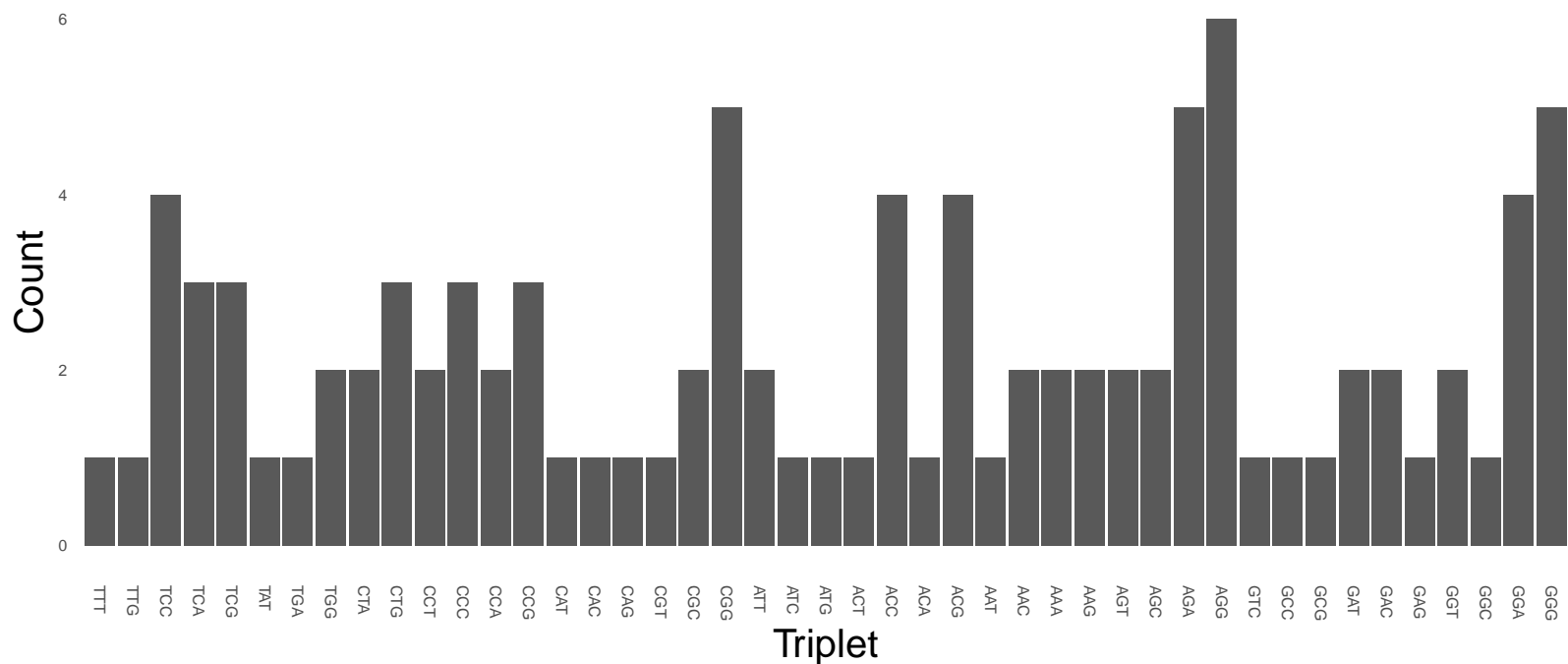
Gene TRBV7-1*ap01_T296C



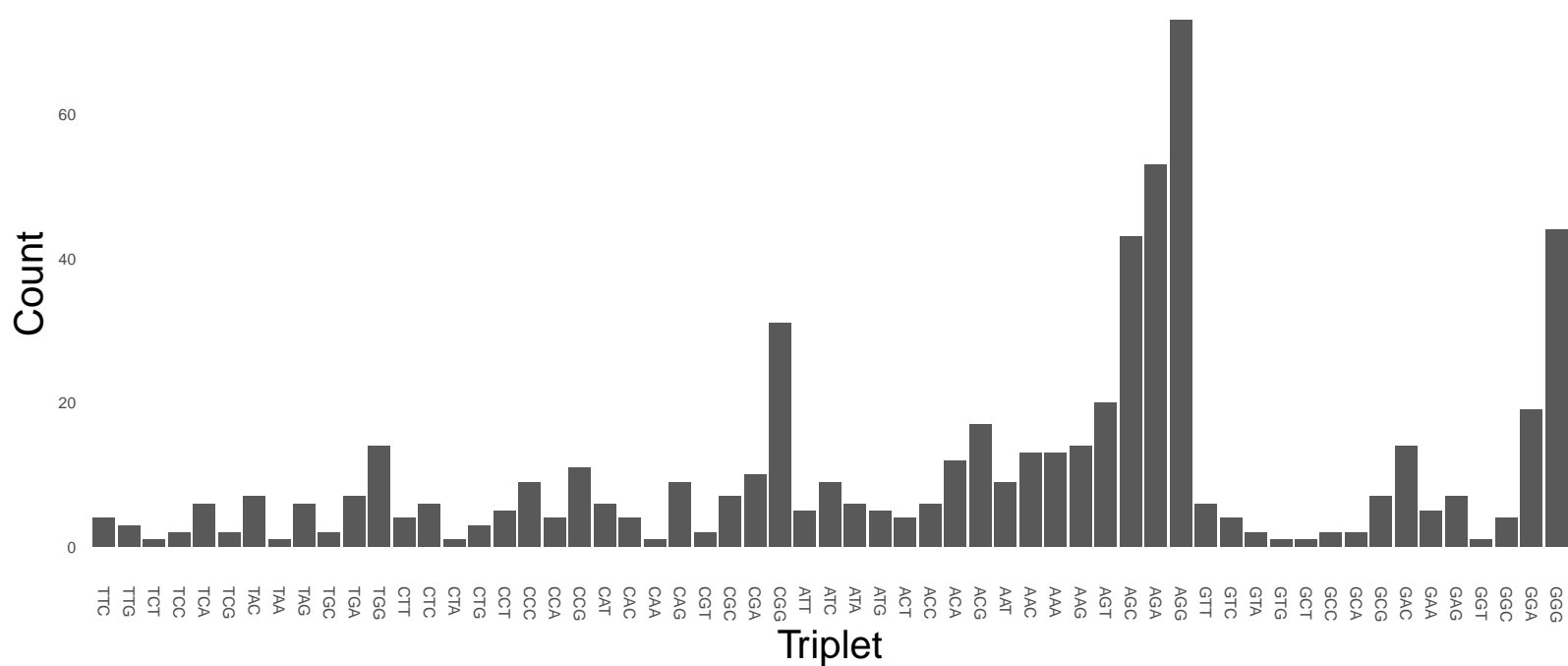
Gene TRBV7-7*ap01_C315T



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

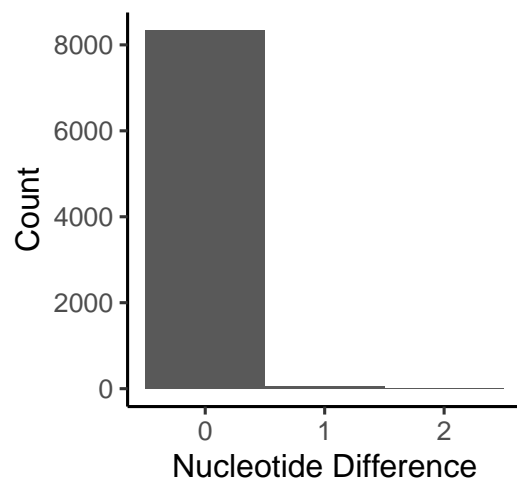


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



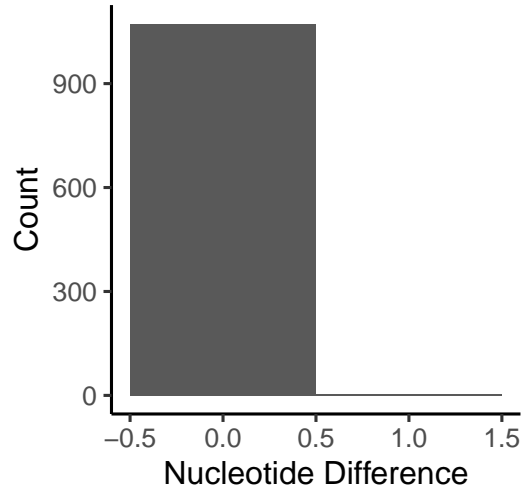
TRBV20-1*ap01

8385 sequences assigned
8336 (99.4%) exact matches, in which:
8303 unique CDR3
13 unique J



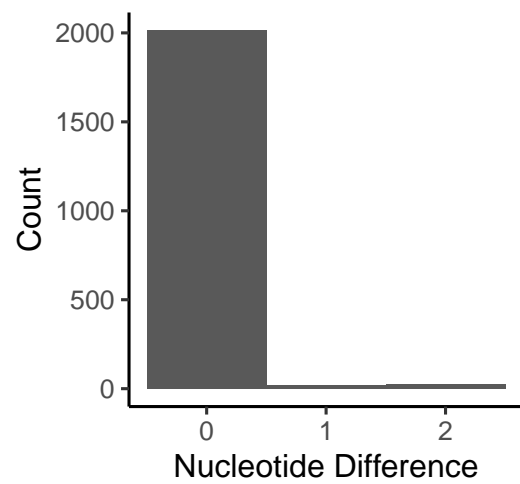
TRBV10-2*ap01

1077 sequences assigned
1073 (99.6%) exact matches, in which:
1065 unique CDR3
13 unique J



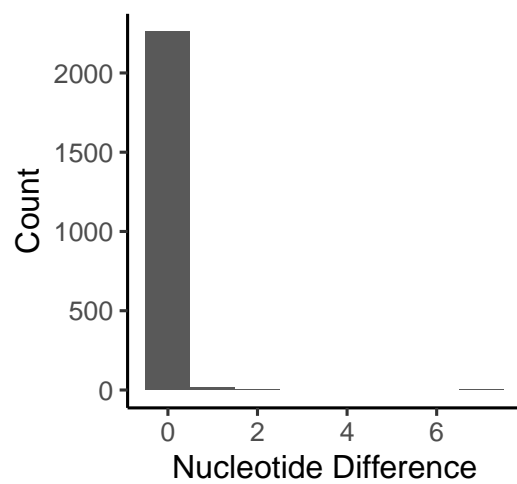
TRBV13*ap01

2059 sequences assigned
2014 (97.8%) exact matches, in which:
1991 unique CDR3
13 unique J



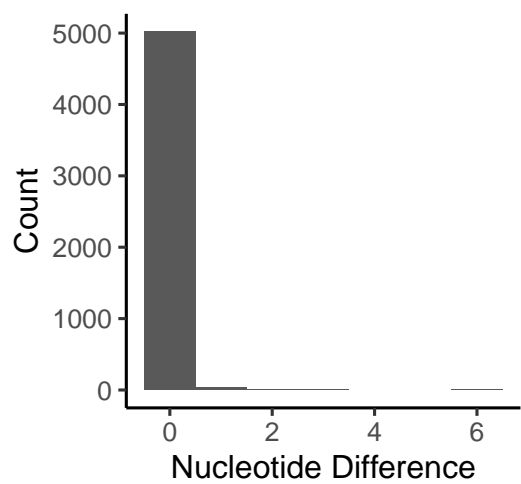
TRBV10-1*ap01

2275 sequences assigned
2260 (99.3%) exact matches, in which:
2249 unique CDR3
13 unique J



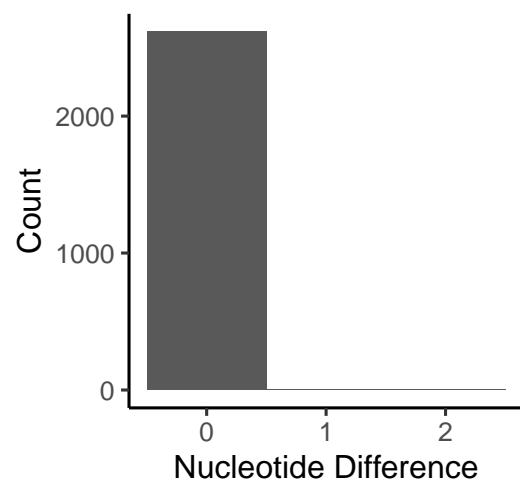
TRBV10-3*ap01

5054 sequences assigned
5019 (99.3%) exact matches, in which:
4994 unique CDR3
13 unique J



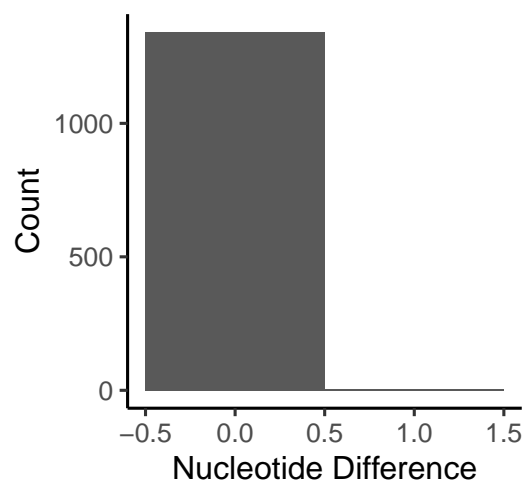
TRBV14*ap01

2623 sequences assigned
2616 (99.7%) exact matches, in which:
2604 unique CDR3
13 unique J



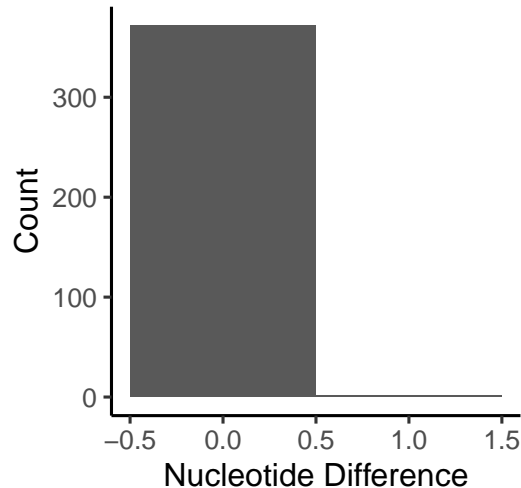
TRBV20-1*ap02

1348 sequences assigned
1342 (99.6%) exact matches, in which:
1335 unique CDR3
13 unique J



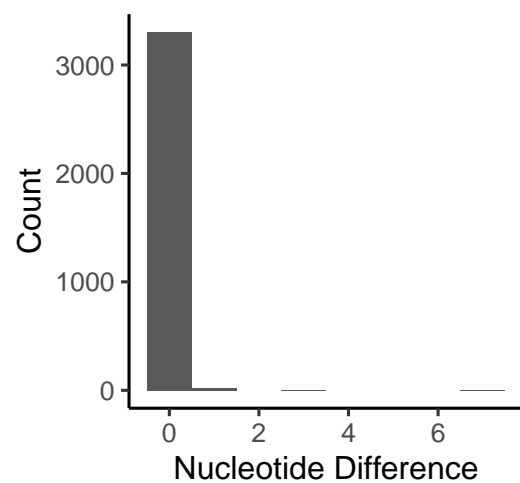
TRBV1*ap01

374 sequences assigned
372 (99.5%) exact matches, in which:
368 unique CDR3
13 unique J



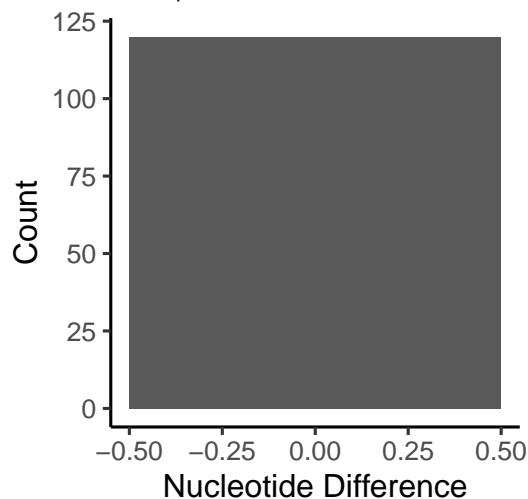
TRBV15*ap02

3329 sequences assigned
3304 (99.2%) exact matches, in which:
3278 unique CDR3
13 unique J



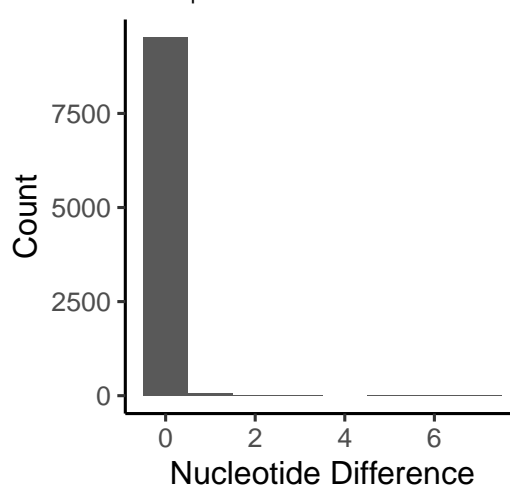
TRBV16*ap01

120 sequences assigned
120 (100%) exact matches, in which:
120 unique CDR3
13 unique J



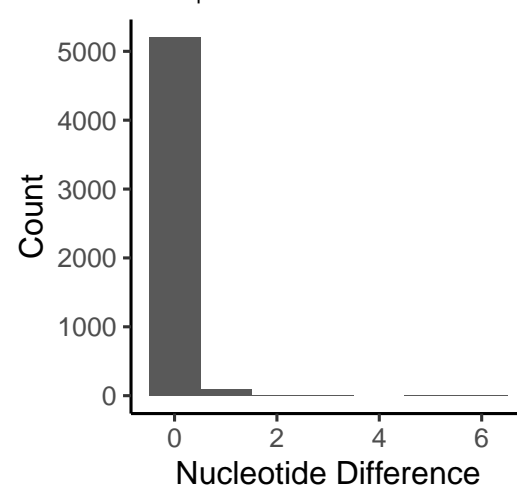
TRBV2*ap01

9597 sequences assigned
9520 (99.2%) exact matches, in which:
9438 unique CDR3
13 unique J



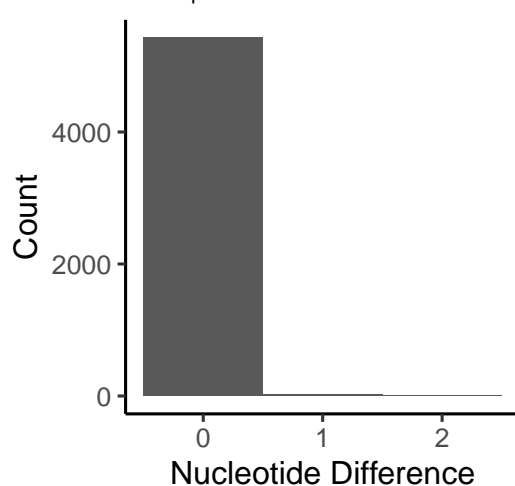
TRBV30*ap02

5308 sequences assigned
5202 (98%) exact matches, in which:
5118 unique CDR3
13 unique J



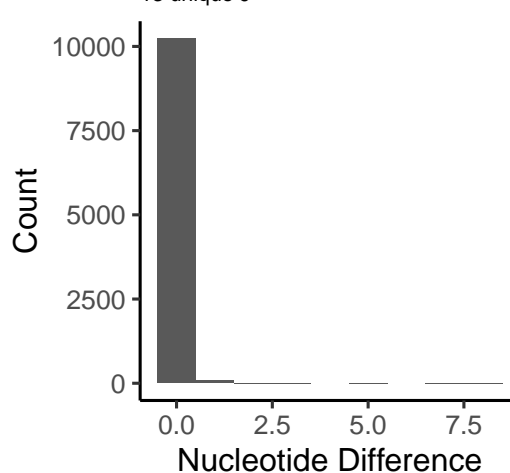
TRBV18*ap01

5449 sequences assigned
5429 (99.6%) exact matches, in which:
5414 unique CDR3
13 unique J



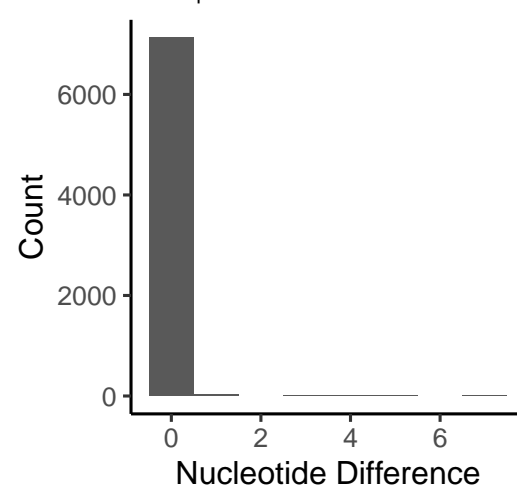
TRBV27*ap01

10324 sequences assigned
10236 (99.1%) exact matches, in which:
10139 unique CDR3
13 unique J



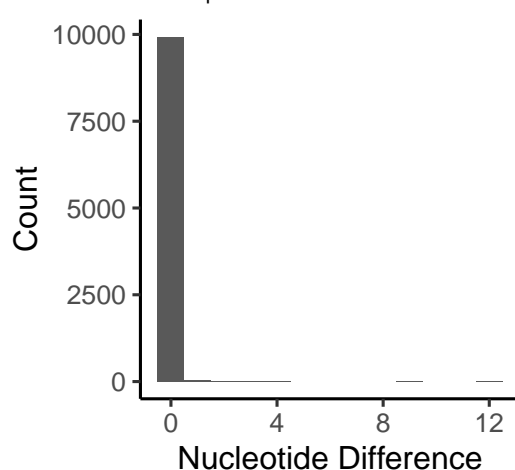
TRBV9*ap01

7166 sequences assigned
7128 (99.5%) exact matches, in which:
7103 unique CDR3
13 unique J



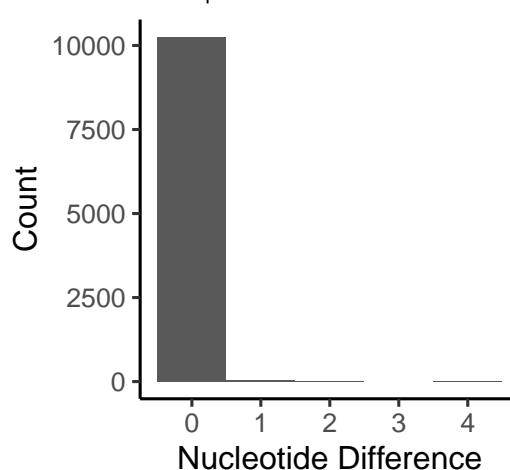
TRBV19*ap01

9991 sequences assigned
9932 (99.4%) exact matches, in which:
9907 unique CDR3
13 unique J



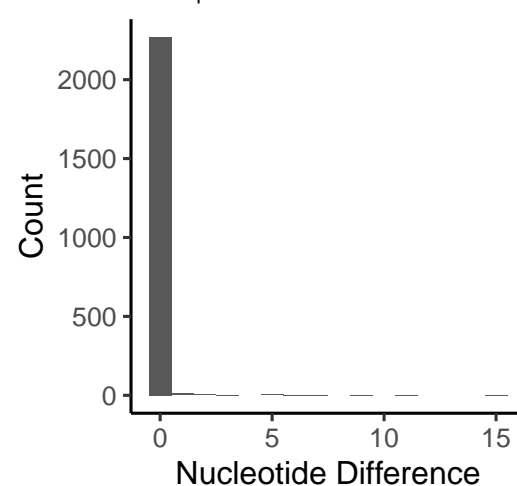
TRBV28*ap01

10314 sequences assigned
10259 (99.5%) exact matches, in which:
10203 unique CDR3
13 unique J



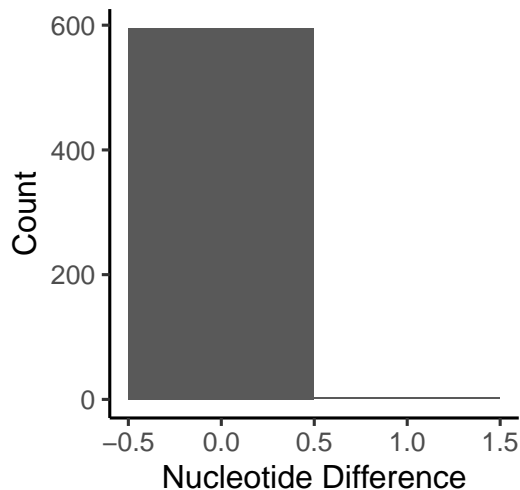
TRBV21-1*ap01

2301 sequences assigned
2270 (98.7%) exact matches, in which:
2262 unique CDR3
13 unique J



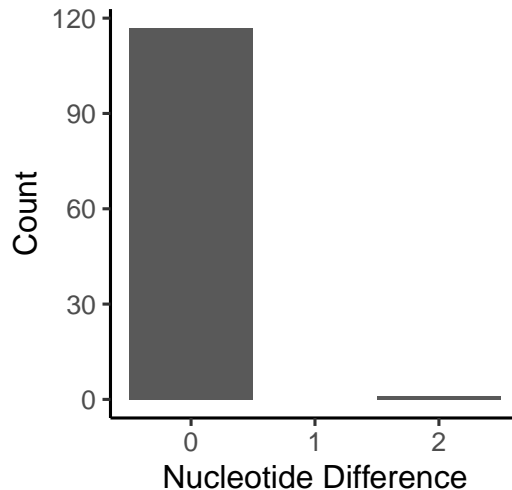
TRBV11-1*ap01

599 sequences assigned
596 (99.5%) exact matches, in which:
592 unique CDR3
13 unique J



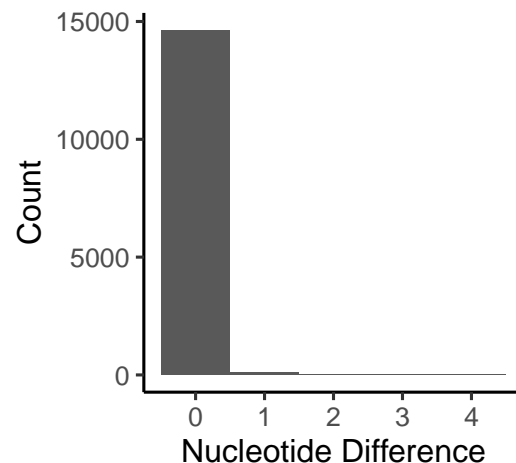
TRBV12-1*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
116 unique CDR3
13 unique J



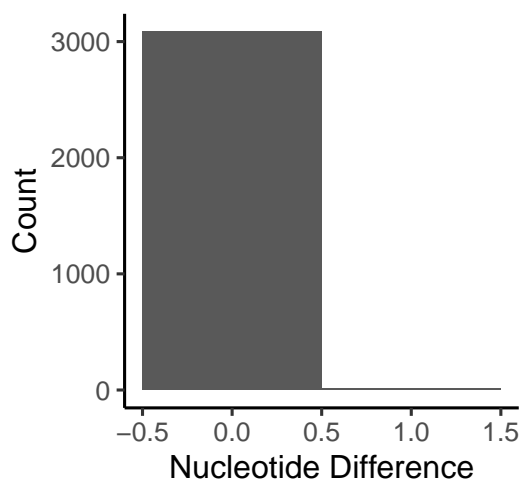
TRBV12-34*ap01

14728 sequences assigned
14632 (99.3%) exact matches, in which:
14541 unique CDR3
13 unique J



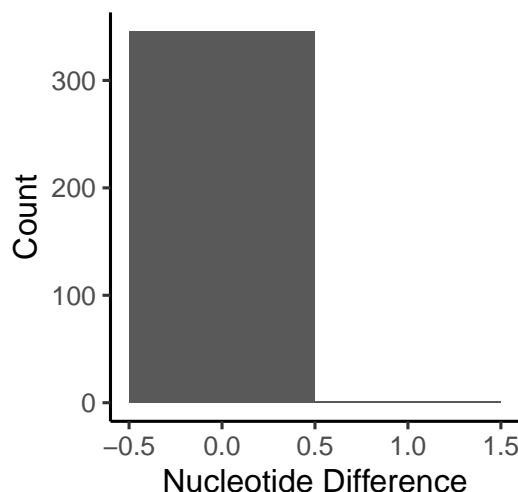
TRBV11-2*ap01

3098 sequences assigned
3085 (99.6%) exact matches, in which:
3077 unique CDR3
13 unique J



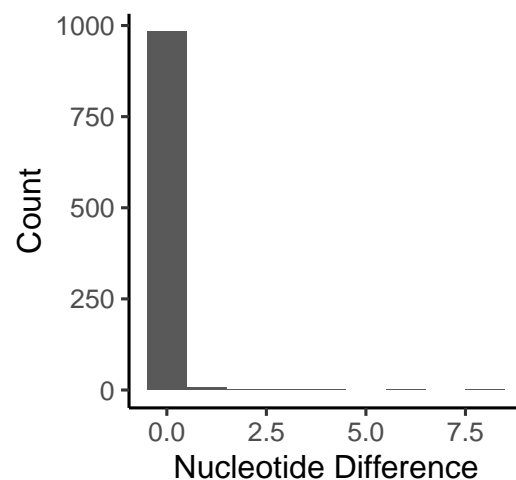
TRBV12-2*ap01

347 sequences assigned
346 (99.7%) exact matches, in which:
343 unique CDR3
13 unique J



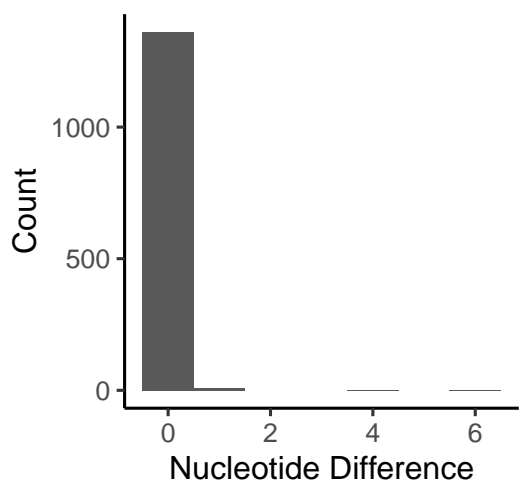
TRBV23-1*ap01

997 sequences assigned
983 (98.6%) exact matches, in which:
976 unique CDR3
13 unique J



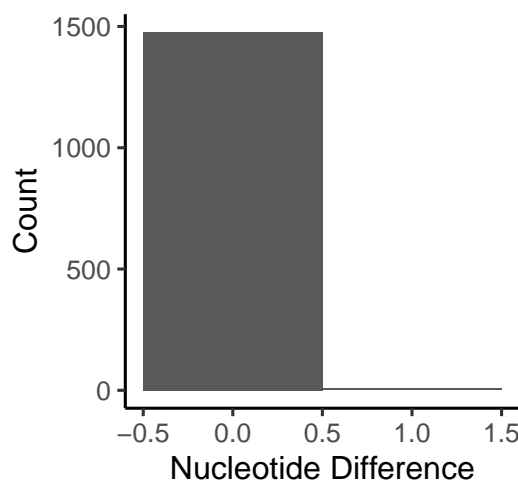
TRBV11-3*ap01

1372 sequences assigned
1361 (99.2%) exact matches, in which:
1361 unique CDR3
13 unique J



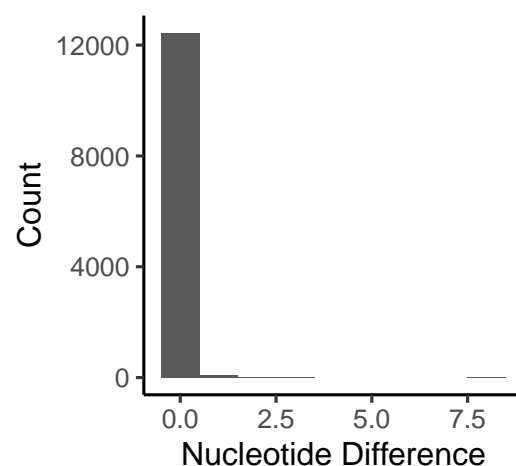
TRBV12-5*ap01

1485 sequences assigned
1477 (99.5%) exact matches, in which:
1469 unique CDR3
13 unique J



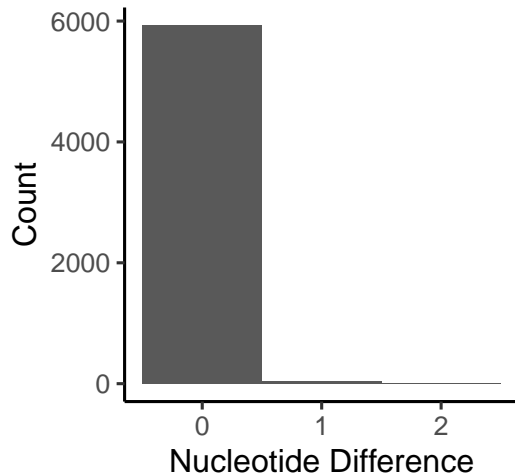
TRBV3-12*ap01

12525 sequences assigned
12445 (99.4%) exact matches, in which:
12355 unique CDR3
13 unique J



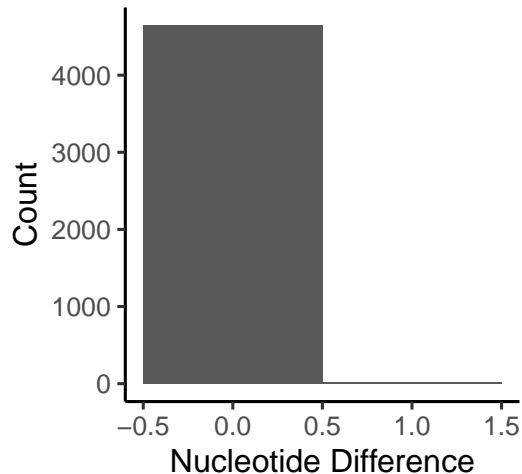
TRBV4-1*ap01

5965 sequences assigned
5928 (99.4%) exact matches, in which:
5873 unique CDR3
13 unique J



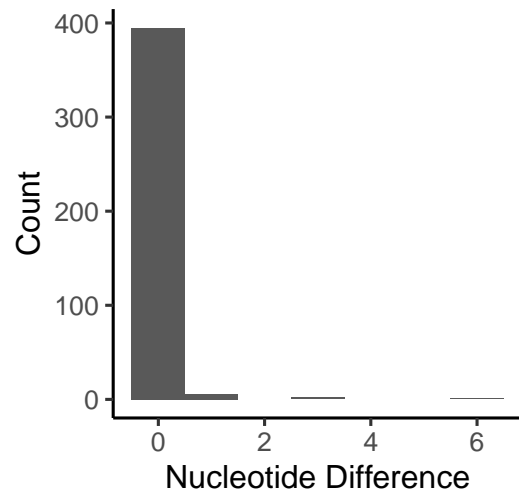
TRBV4-3*ap01

4668 sequences assigned
4645 (99.5%) exact matches, in which:
4607 unique CDR3
13 unique J



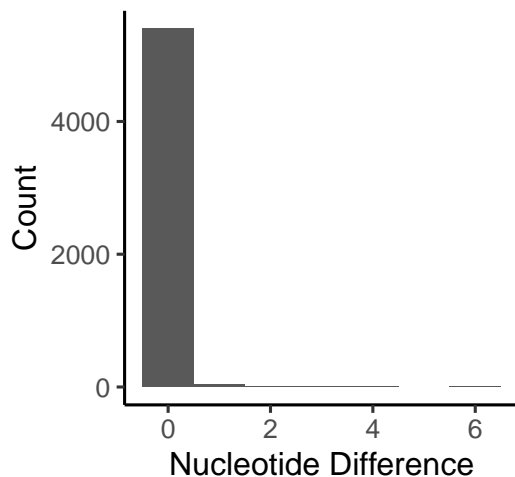
TRBV5-3*ap01

404 sequences assigned
395 (97.8%) exact matches, in which:
394 unique CDR3
13 unique J



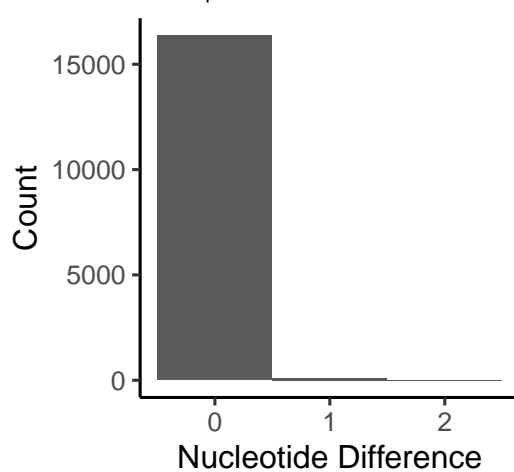
TRBV24-1*ap01

5438 sequences assigned
5397 (99.2%) exact matches, in which:
5355 unique CDR3
13 unique J



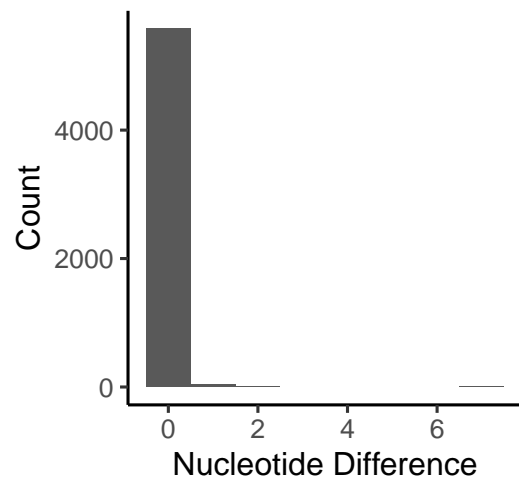
TRBV5-1*ap01

16475 sequences assigned
16368 (99.4%) exact matches, in which:
16181 unique CDR3
14 unique J



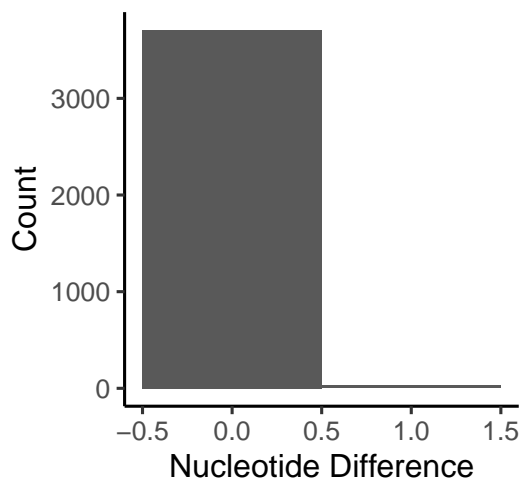
TRBV5-4*ap01

5623 sequences assigned
5579 (99.2%) exact matches, in which:
5533 unique CDR3
13 unique J



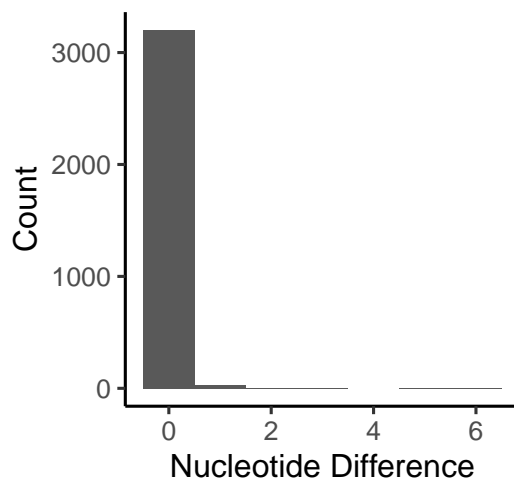
TRBV4-2*ap01

3736 sequences assigned
3707 (99.2%) exact matches, in which:
3671 unique CDR3
13 unique J



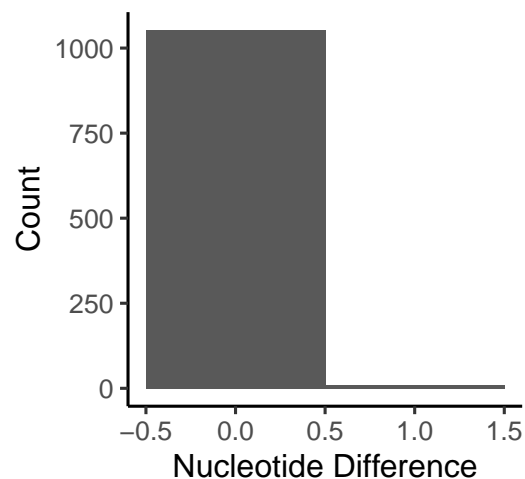
TRBV25-1*ap01

3239 sequences assigned
3201 (98.8%) exact matches, in which:
3173 unique CDR3
13 unique J



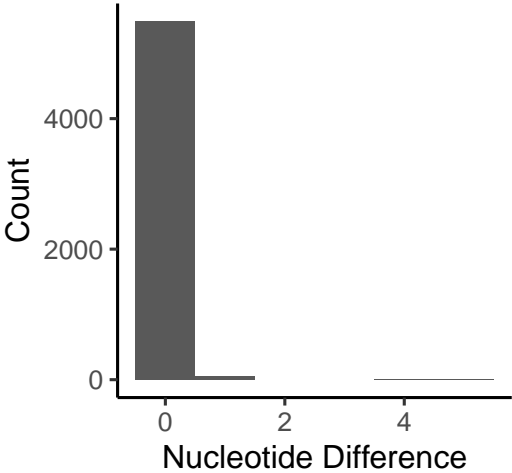
TRBV5-5*ap01

1062 sequences assigned
1053 (99.2%) exact matches, in which:
1052 unique CDR3
13 unique J



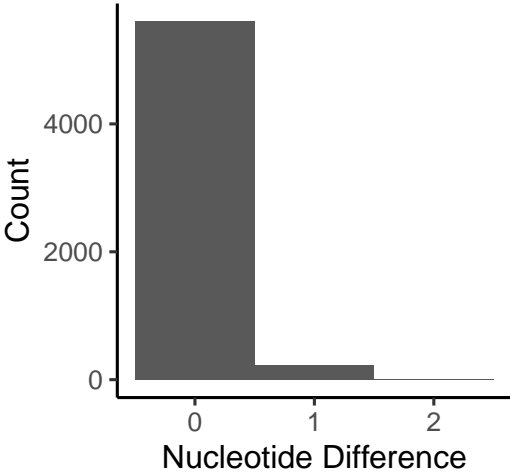
TRBV5-6*ap01

5544 sequences assigned
5490 (99%) exact matches, in which:
5413 unique CDR3
13 unique J



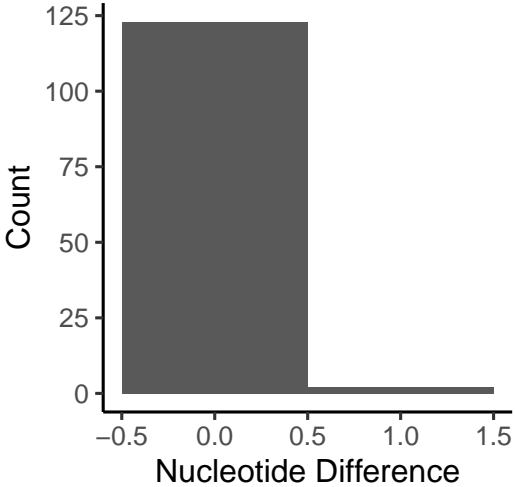
TRBV6-1*ap01

5834 sequences assigned
5603 (96%) exact matches, in which:
5536 unique CDR3
13 unique J



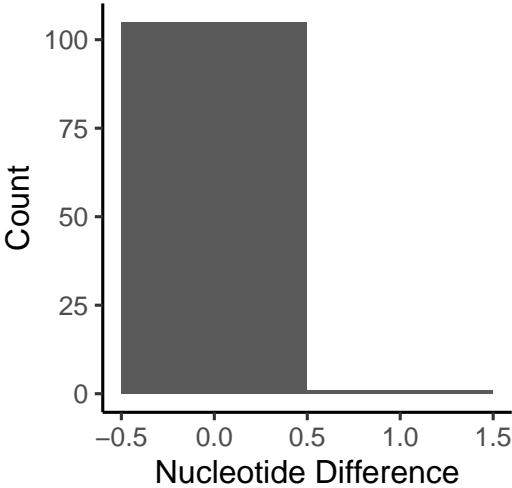
TRBV6-8*ap01

125 sequences assigned
123 (98.4%) exact matches, in which:
122 unique CDR3
13 unique J



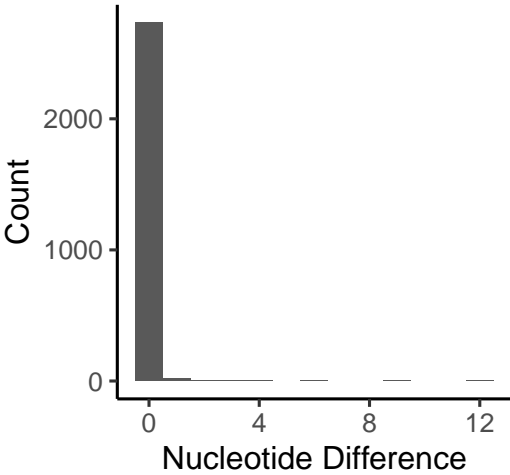
TRBV5-7*ap01

106 sequences assigned
105 (99.1%) exact matches, in which:
104 unique CDR3
13 unique J



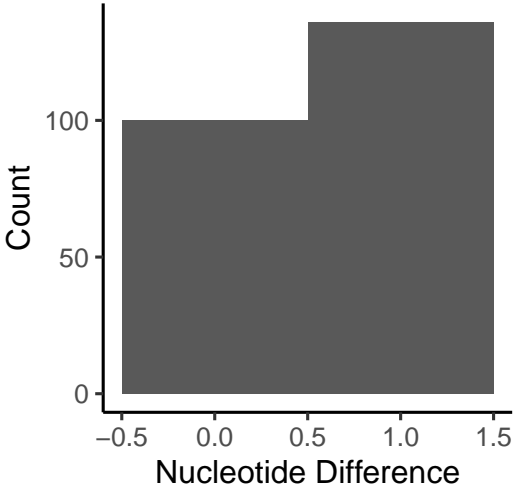
TRBV6-4*ap01

2764 sequences assigned
2733 (98.9%) exact matches, in which:
2721 unique CDR3
13 unique J



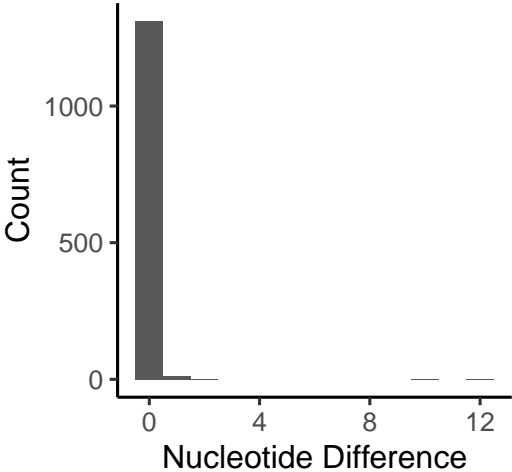
TRBV6-9*ap01

236 sequences assigned
100 (42.4%) exact matches, in which:
100 unique CDR3
13 unique J



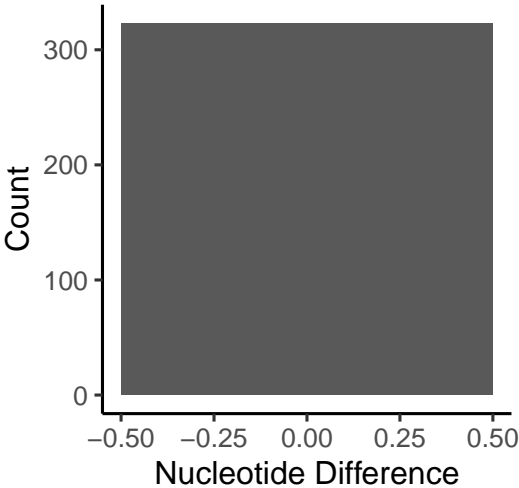
TRBV5-8*ap01

1326 sequences assigned
1311 (98.9%) exact matches, in which:
1307 unique CDR3
13 unique J



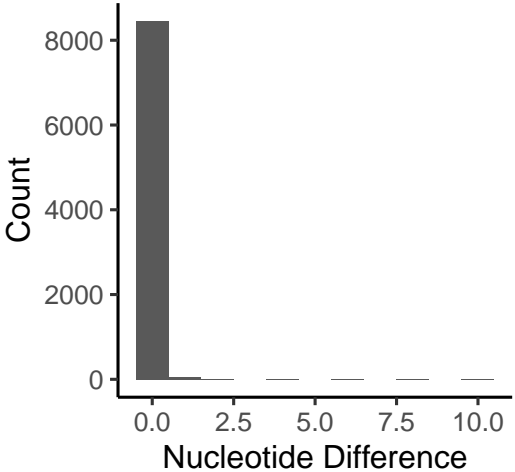
TRBV6-7*ap01

323 sequences assigned
323 (100%) exact matches, in which:
320 unique CDR3
13 unique J



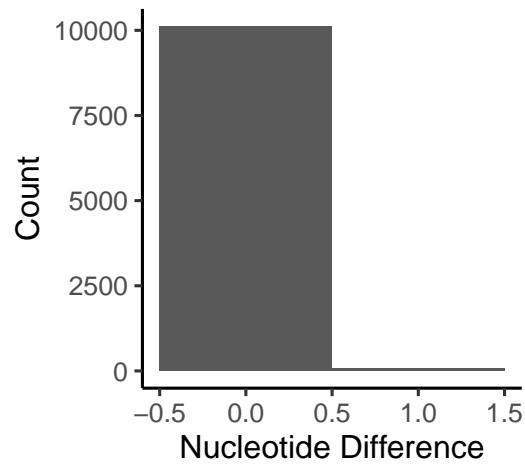
TRBV6-23*ap01

8519 sequences assigned
8453 (99.2%) exact matches, in which:
8354 unique CDR3
13 unique J



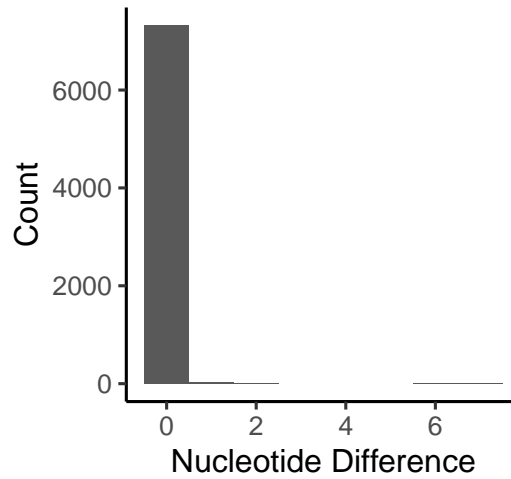
TRBV6-56*ap01

10209 sequences assigned
10123 (99.2%) exact matches, in which:
10008 unique CDR3
13 unique J



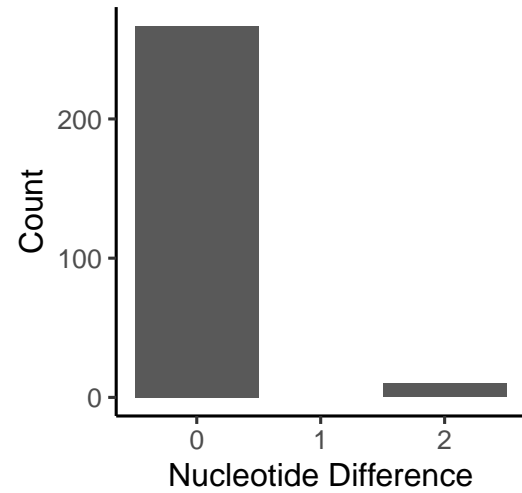
TRBV7-2*ap01

7359 sequences assigned
7321 (99.5%) exact matches, in which:
7297 unique CDR3
13 unique J



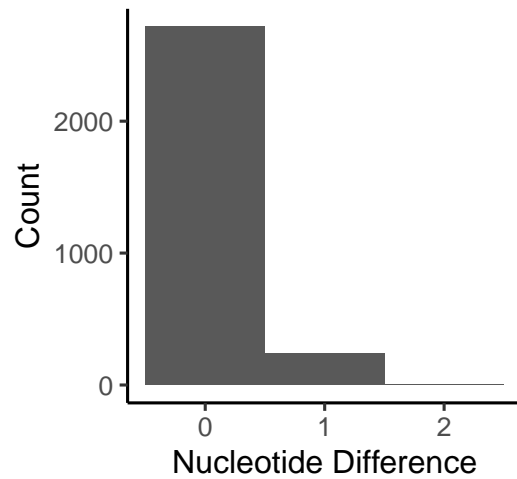
TRBV7-4*ap01

277 sequences assigned
267 (96.4%) exact matches, in which:
265 unique CDR3
13 unique J



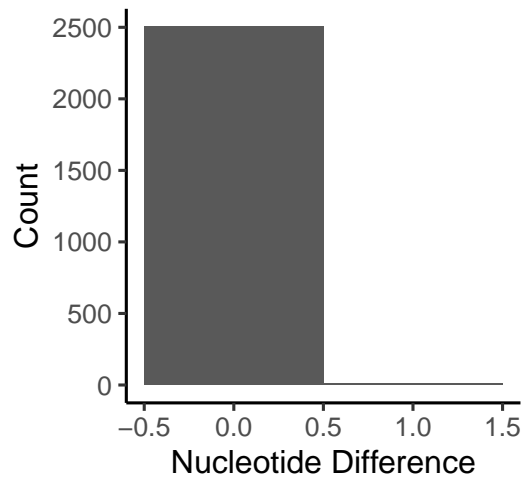
TRBV6-56*ap02

2962 sequences assigned
2716 (91.7%) exact matches, in which:
2685 unique CDR3
13 unique J



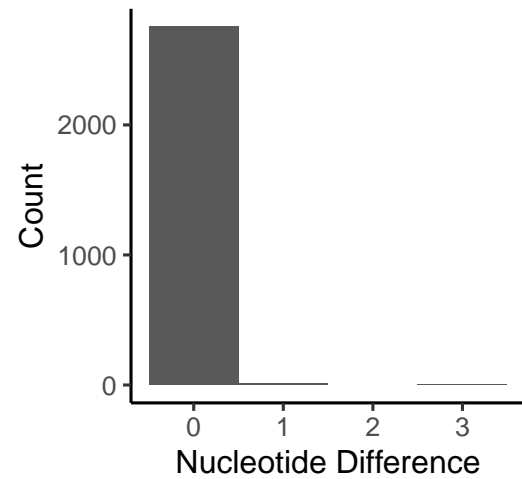
TRBV7-3*ap01

2517 sequences assigned
2504 (99.5%) exact matches, in which:
2494 unique CDR3
13 unique J



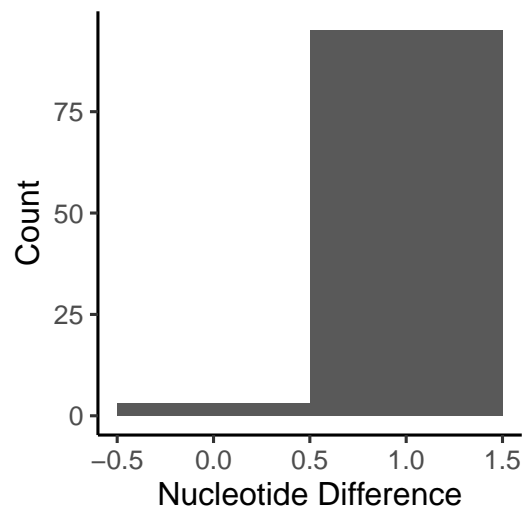
TRBV7-6*ap01

2769 sequences assigned
2755 (99.5%) exact matches, in which:
2741 unique CDR3
13 unique J



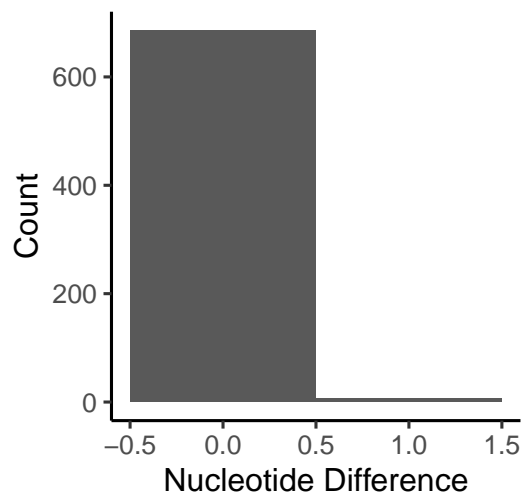
TRBV7-1*ap01_T296C

98 sequences assigned
3 (3.1%) exact matches, in which:
3 unique CDR3
3 unique J



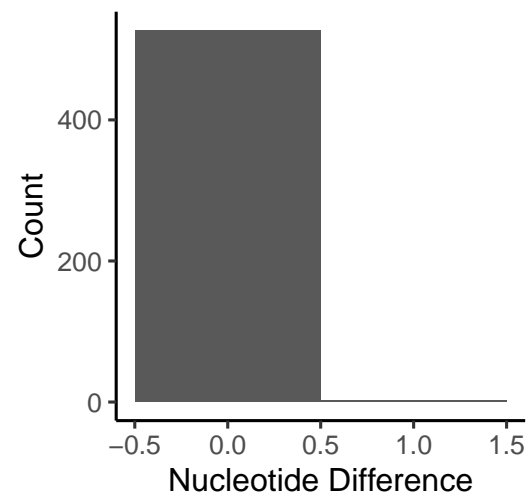
TRBV7-3*ap03

692 sequences assigned
686 (99.1%) exact matches, in which:
685 unique CDR3
13 unique J



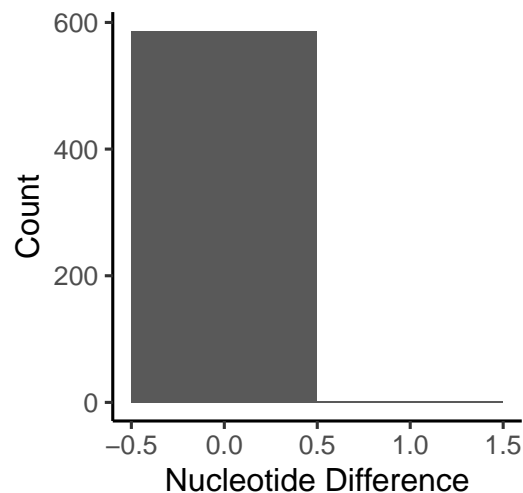
TRBV7-7*ap01

529 sequences assigned
527 (99.6%) exact matches, in which:
522 unique CDR3
13 unique J



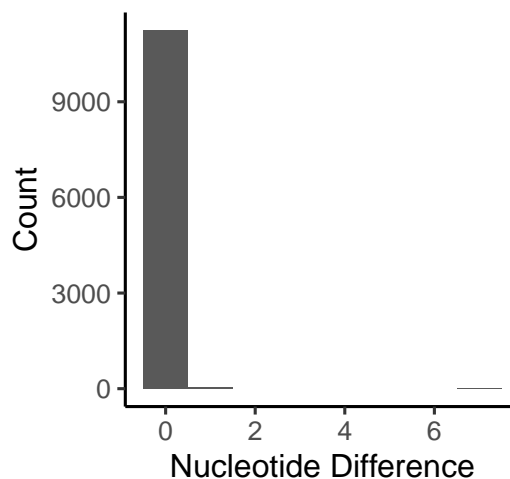
TRBV7-7*ap01_C315T

589 sequences assigned
587 (99.7%) exact matches, in which:
582 unique CDR3
13 unique J



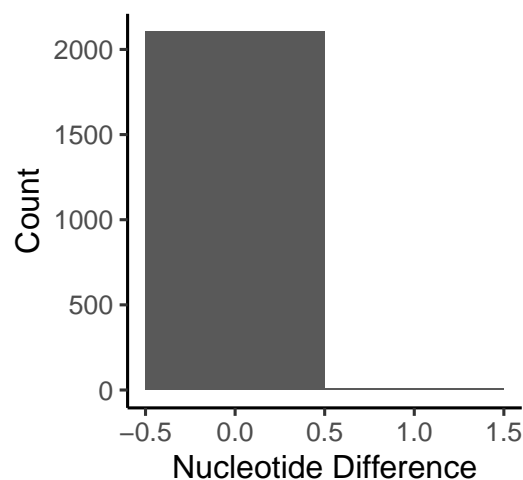
TRBV7-9*ap01

11284 sequences assigned
11239 (99.6%) exact matches, in which:
11187 unique CDR3
14 unique J



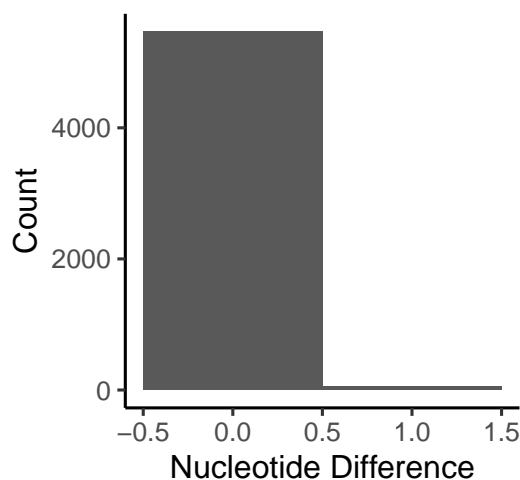
TRBV7-8*ap01

2115 sequences assigned
2104 (99.5%) exact matches, in which:
2090 unique CDR3
13 unique J



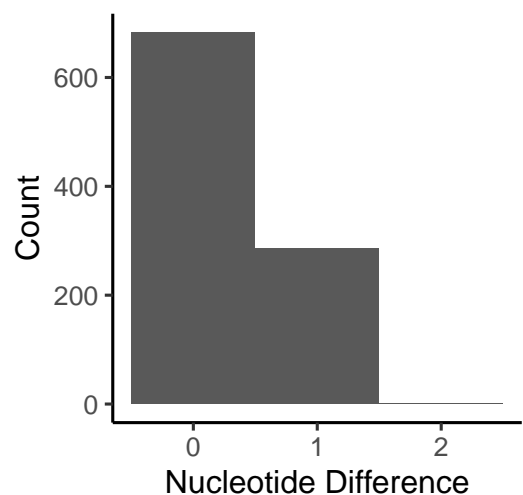
TRBV29-1*ap01

5523 sequences assigned
5466 (99%) exact matches, in which:
5337 unique CDR3
13 unique J



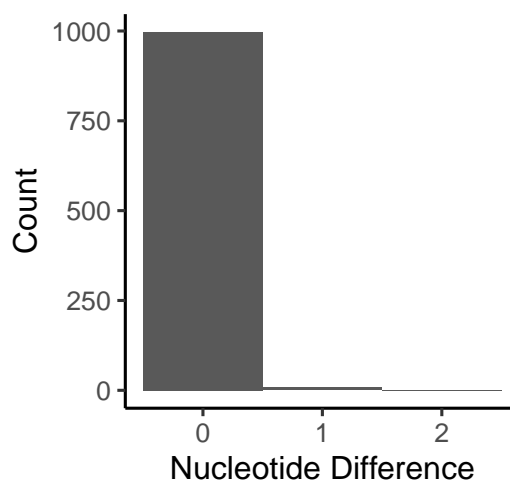
TRBV7-8*ap03

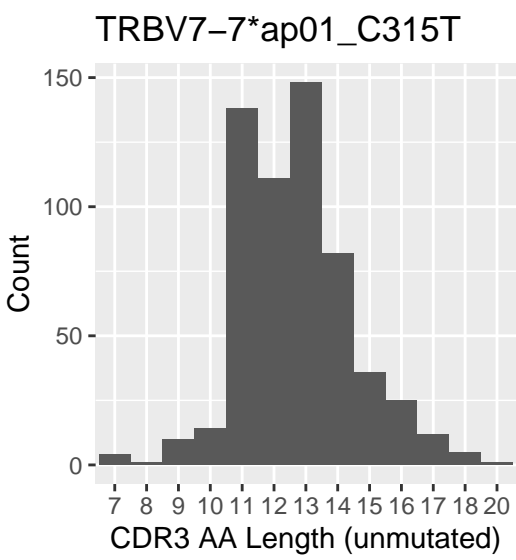
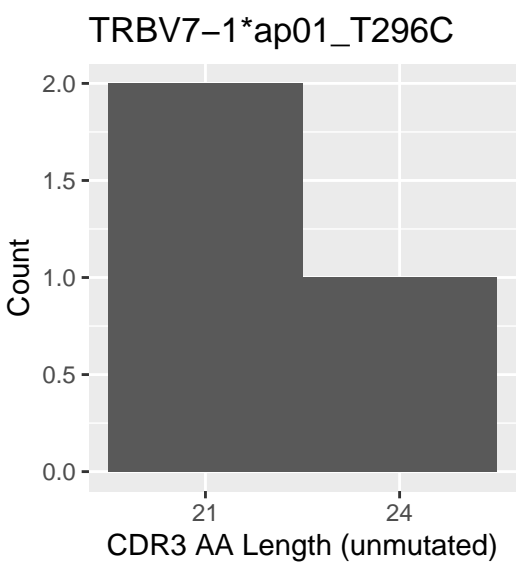
970 sequences assigned
683 (70.4%) exact matches, in which:
679 unique CDR3
13 unique J



TRBV29-1*ap02

1006 sequences assigned
997 (99.1%) exact matches, in which:
974 unique CDR3
13 unique J







Warning – no inferred sequences found.