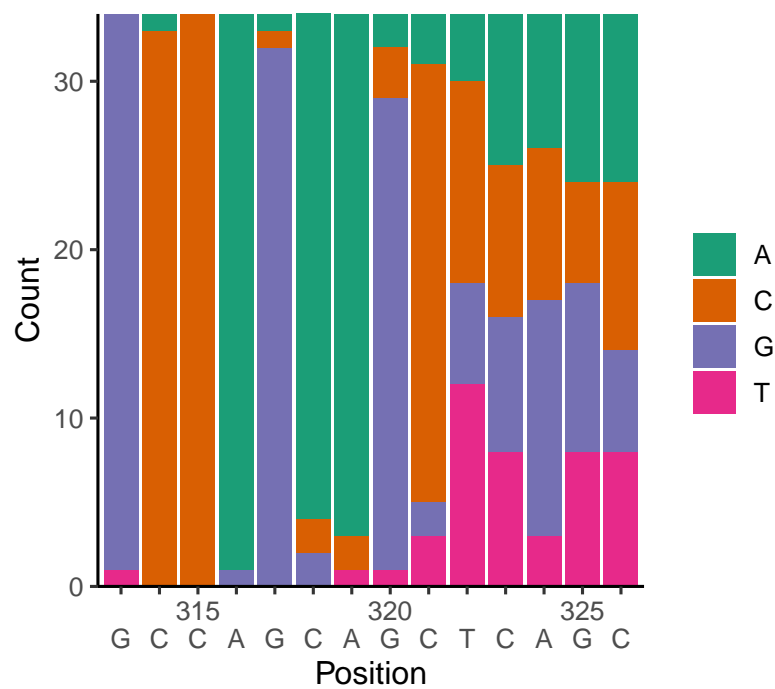
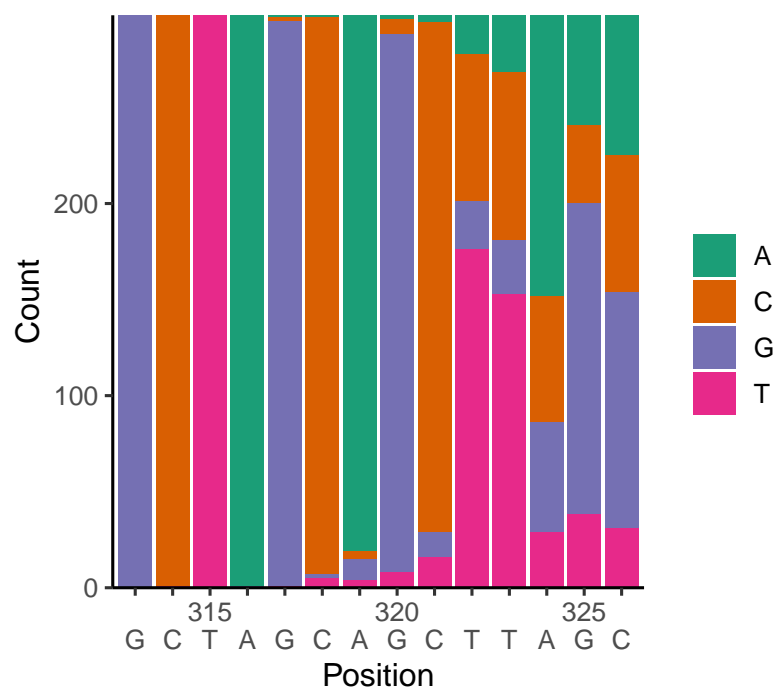


Gene TRBV7-1*ap01_T296C



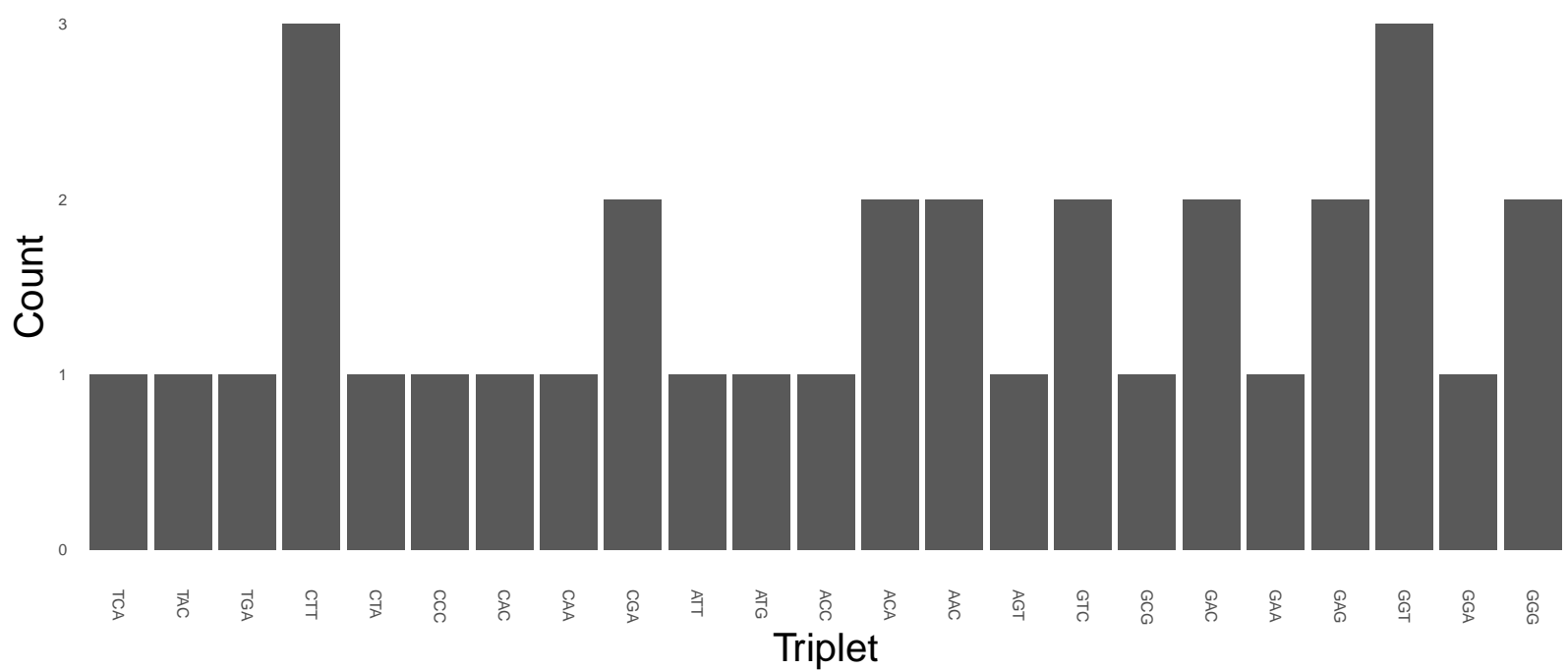
Gene TRBV7-7*ap01_C315T



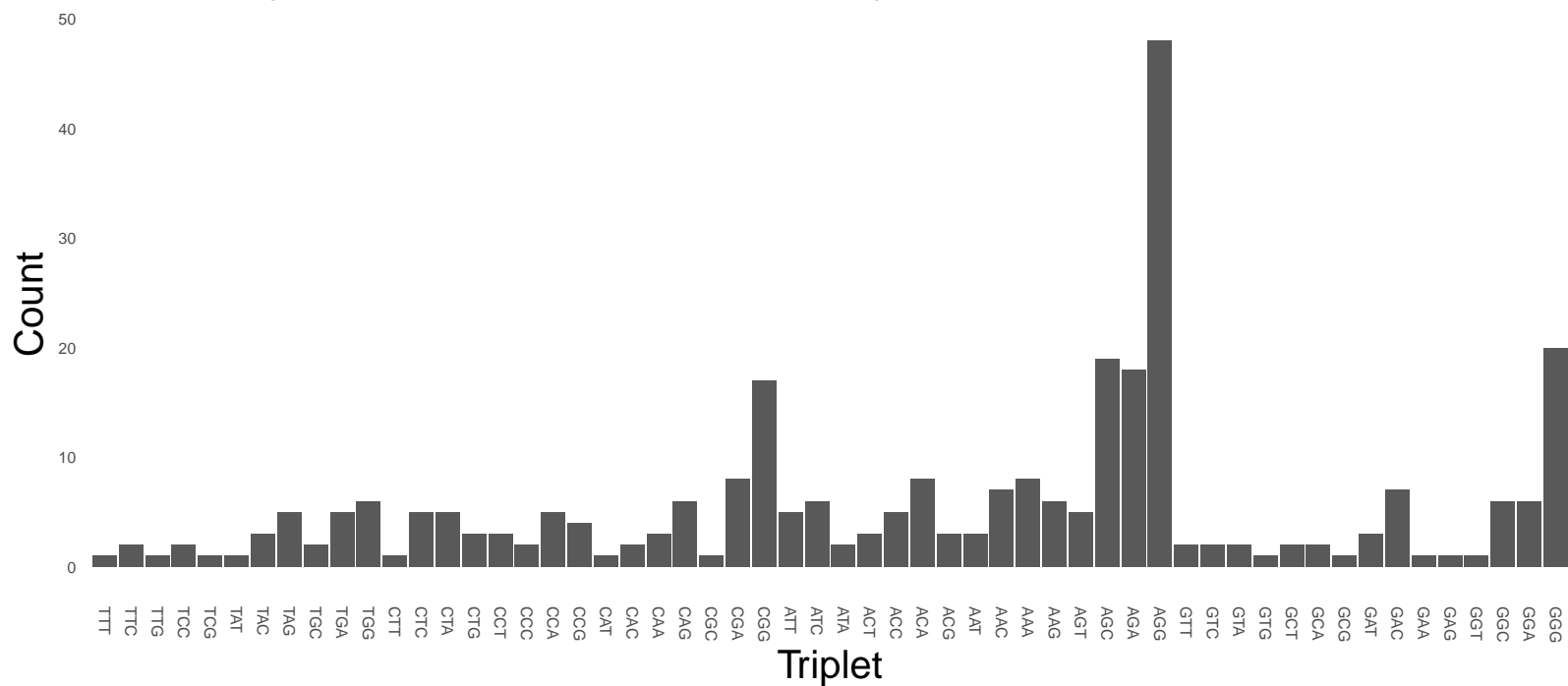
Gene TRBV7-1*ap01_T296C



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

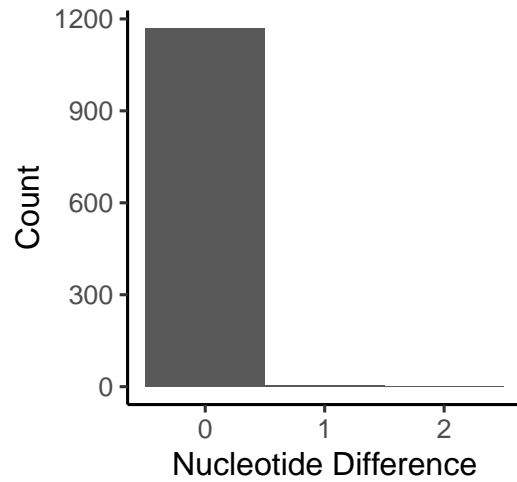


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



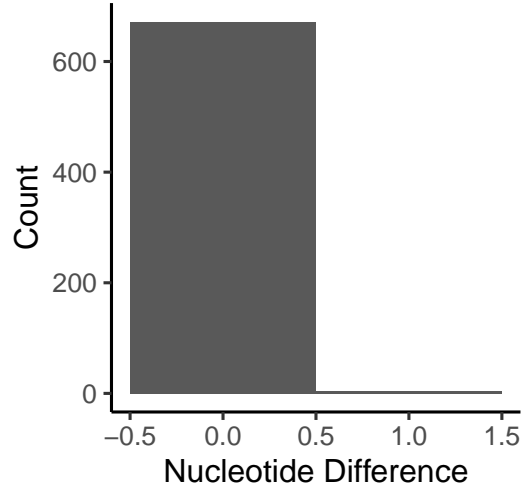
TRBV10-1*ap01

1176 sequences assigned
1169 (99.4%) exact matches, in which:
1161 unique CDR3
13 unique J



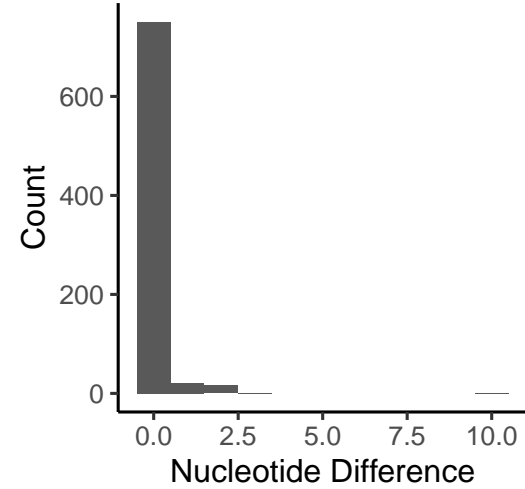
TRBV10-2*ap01

677 sequences assigned
672 (99.3%) exact matches, in which:
666 unique CDR3
13 unique J



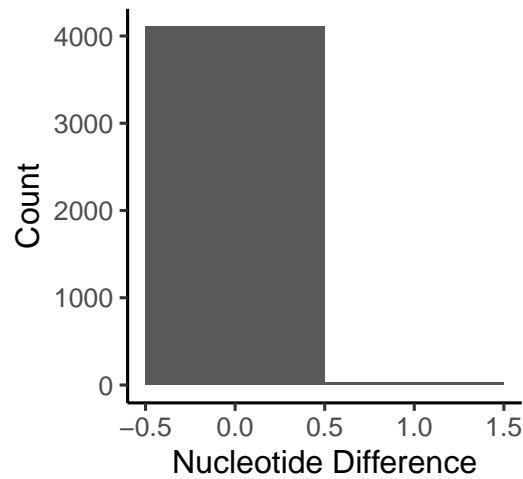
TRBV13*ap01

790 sequences assigned
751 (95.1%) exact matches, in which:
744 unique CDR3
13 unique J



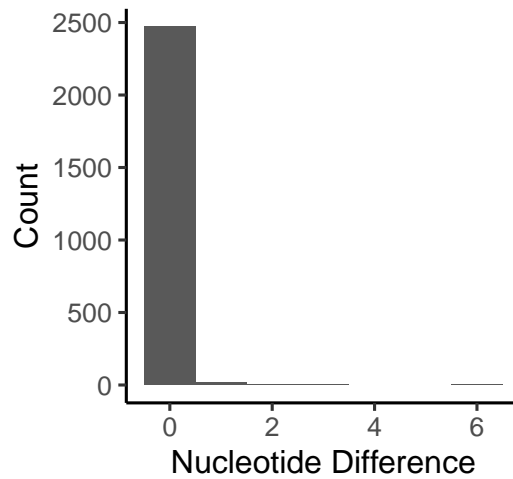
TRBV20-1*ap01

4131 sequences assigned
4106 (99.4%) exact matches, in which:
4084 unique CDR3
13 unique J



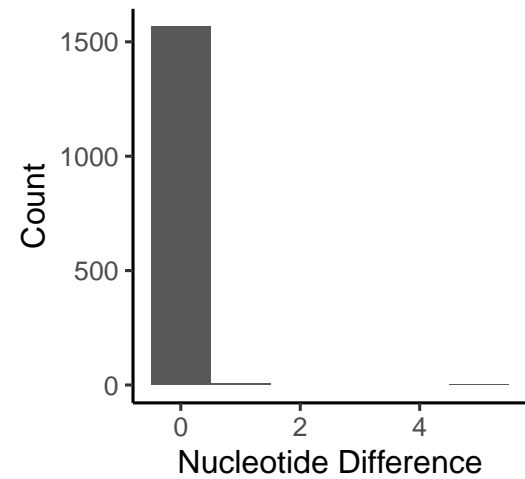
TRBV10-3*ap01

2493 sequences assigned
2471 (99.1%) exact matches, in which:
2460 unique CDR3
13 unique J



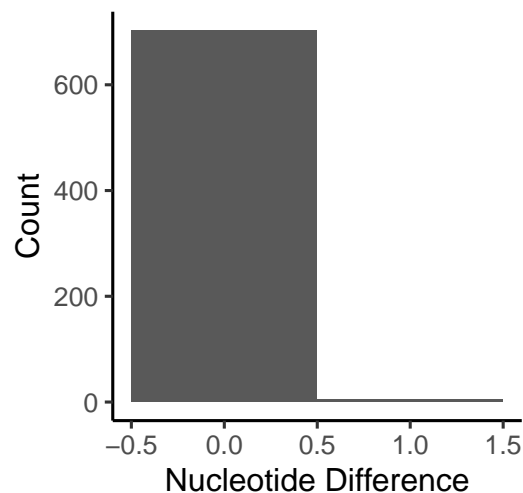
TRBV14*ap01

1575 sequences assigned
1566 (99.4%) exact matches, in which:
1557 unique CDR3
13 unique J



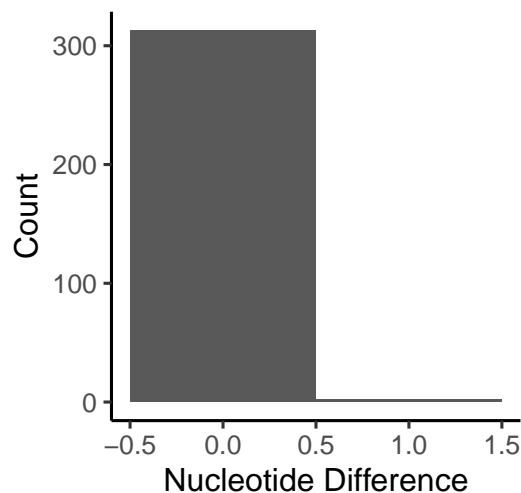
TRBV20-1*ap02

707 sequences assigned
703 (99.4%) exact matches, in which:
699 unique CDR3
13 unique J



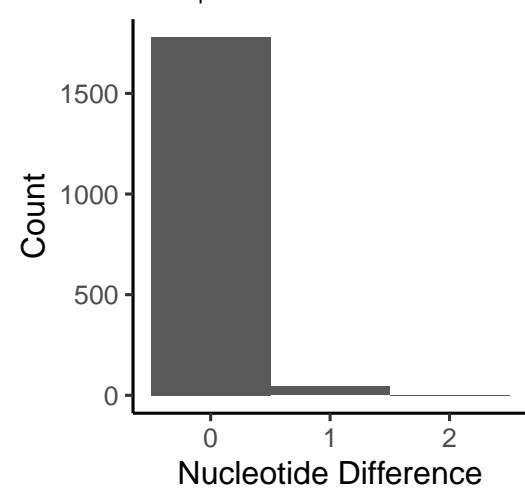
TRBV1*ap01

315 sequences assigned
313 (99.4%) exact matches, in which:
308 unique CDR3
13 unique J



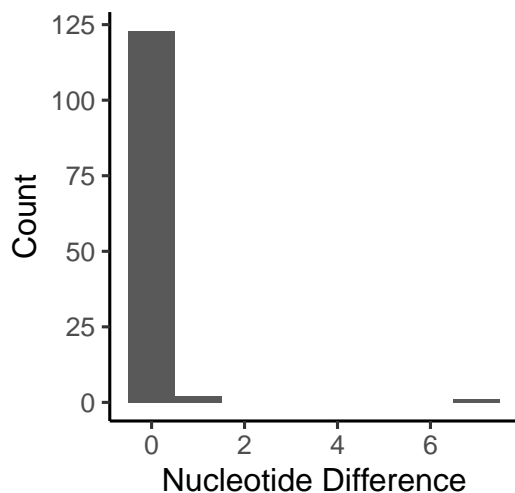
TRBV15*ap02

1824 sequences assigned
1780 (97.6%) exact matches, in which:
1766 unique CDR3
13 unique J



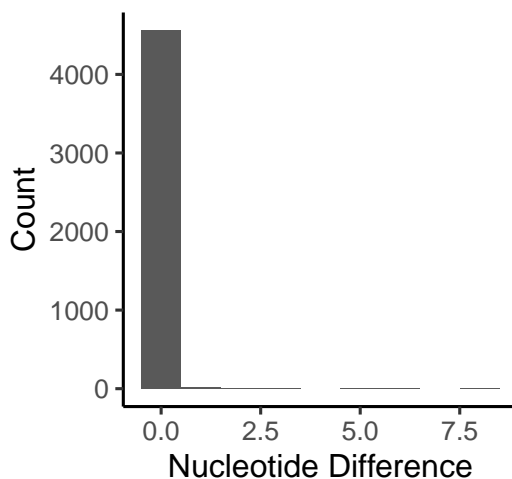
TRBV16*ap01

126 sequences assigned
123 (97.6%) exact matches, in which:
120 unique CDR3
13 unique J



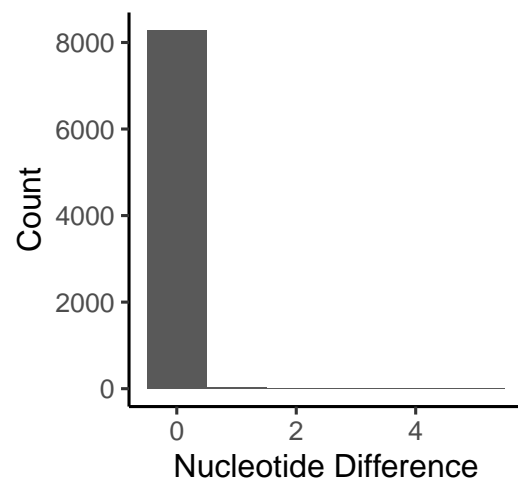
TRBV2*ap01

4591 sequences assigned
4560 (99.3%) exact matches, in which:
4544 unique CDR3
13 unique J



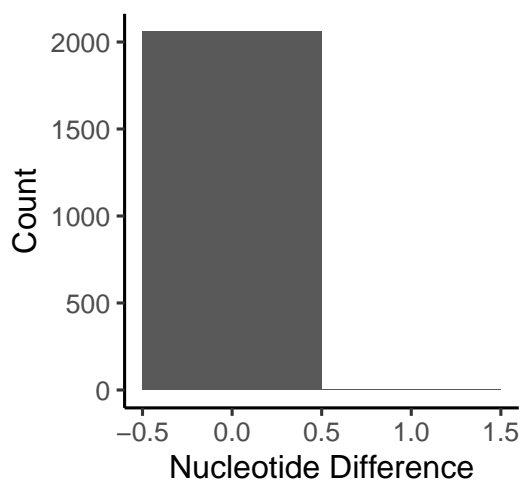
TRBV28*ap01

8312 sequences assigned
8279 (99.6%) exact matches, in which:
8250 unique CDR3
13 unique J



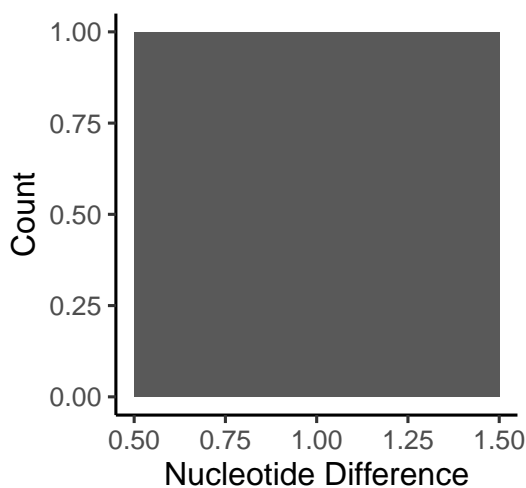
TRBV18*ap01

2060 sequences assigned
2059 (100%) exact matches, in which:
2054 unique CDR3
13 unique J



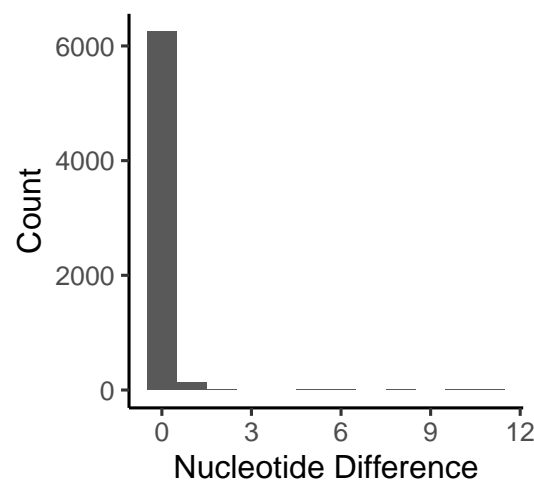
TRBV26*ap01

1 sequences assigned
No exact matches.



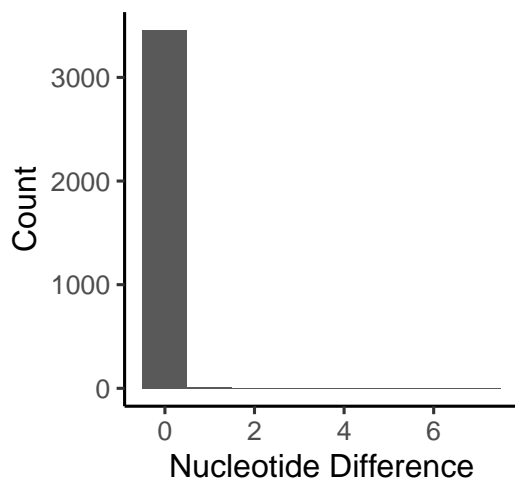
TRBV30*ap01

6382 sequences assigned
6248 (97.9%) exact matches, in which:
6148 unique CDR3
13 unique J



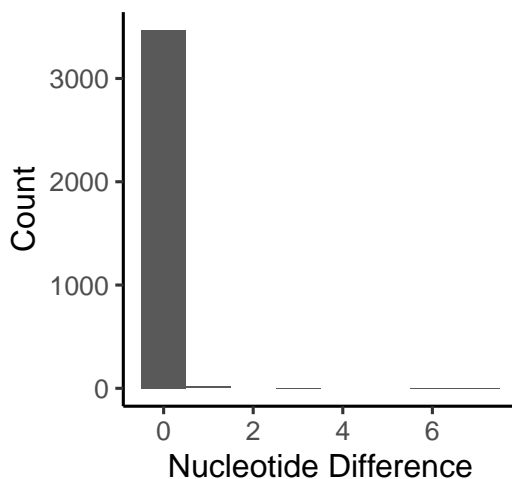
TRBV19*ap01

3479 sequences assigned
3457 (99.4%) exact matches, in which:
3450 unique CDR3
13 unique J



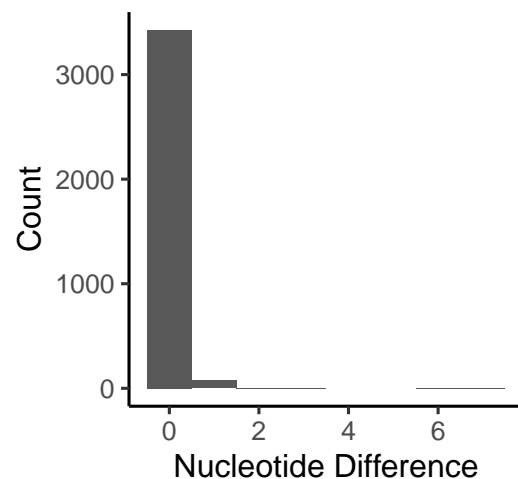
TRBV27*ap01

3490 sequences assigned
3469 (99.4%) exact matches, in which:
3448 unique CDR3
13 unique J



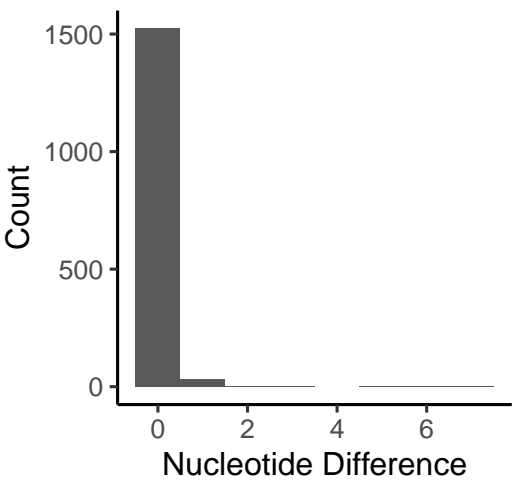
TRBV9*ap01

3506 sequences assigned
3426 (97.7%) exact matches, in which:
3397 unique CDR3
13 unique J



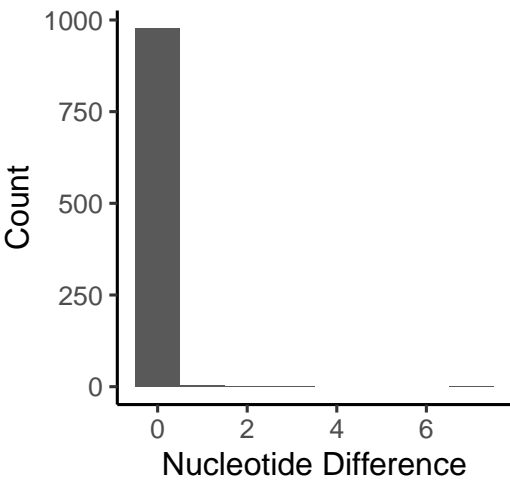
TRBV21-1*ap01

1564 sequences assigned
1524 (97.4%) exact matches, in which:
1515 unique CDR3
13 unique J



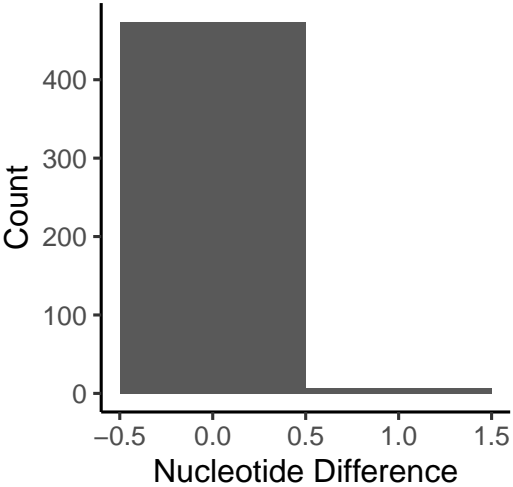
TRBV11-3*ap01

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



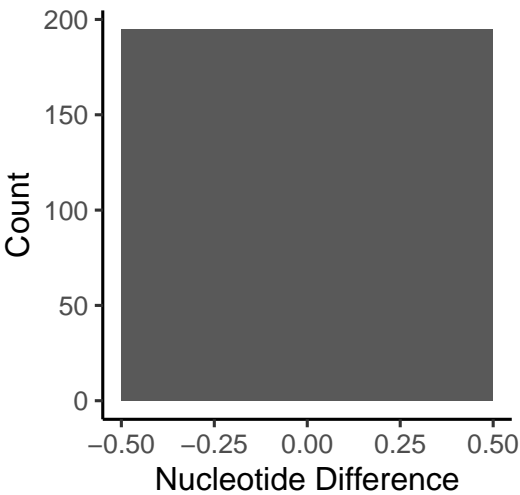
TRBV12-5*ap01

481 sequences assigned
474 (98.5%) exact matches, in which:
471 unique CDR3
13 unique J



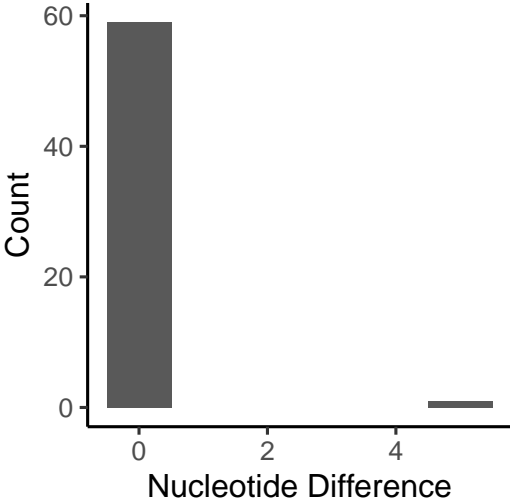
TRBV11-1*ap01

195 sequences assigned
195 (100%) exact matches, in which:
194 unique CDR3
12 unique J



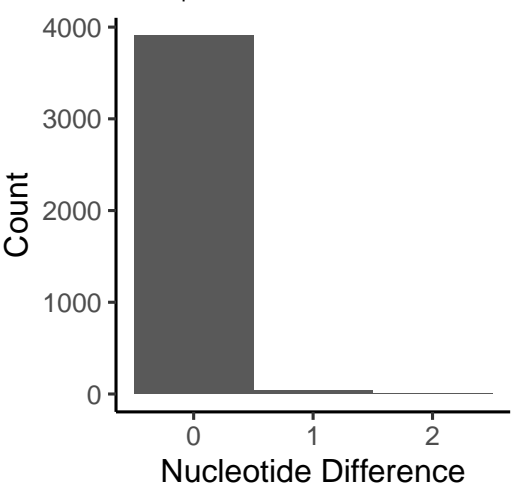
TRBV12-1*ap01

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



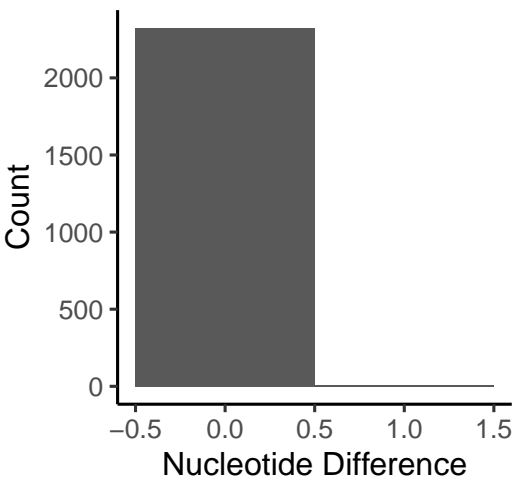
TRBV12-34*ap01

3946 sequences assigned
3906 (99%) exact matches, in which:
3886 unique CDR3
14 unique J



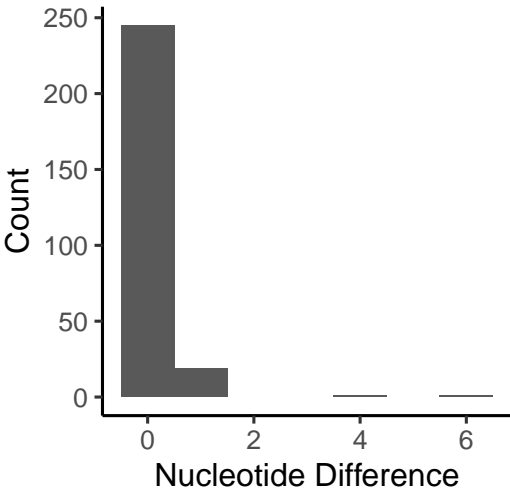
TRBV11-2*ap01

2331 sequences assigned
2323 (99.7%) exact matches, in which:
2306 unique CDR3
13 unique J



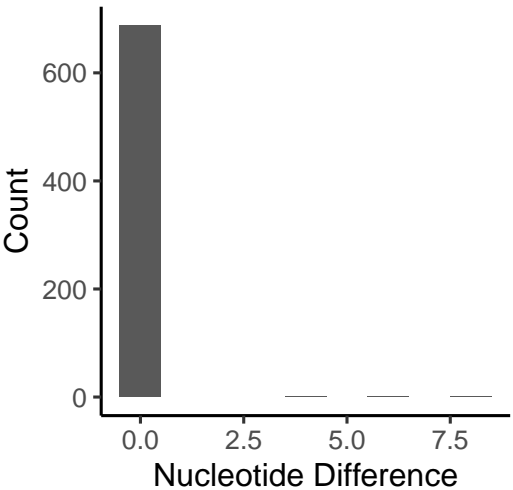
TRBV12-2*ap01

266 sequences assigned
245 (92.1%) exact matches, in which:
239 unique CDR3
13 unique J



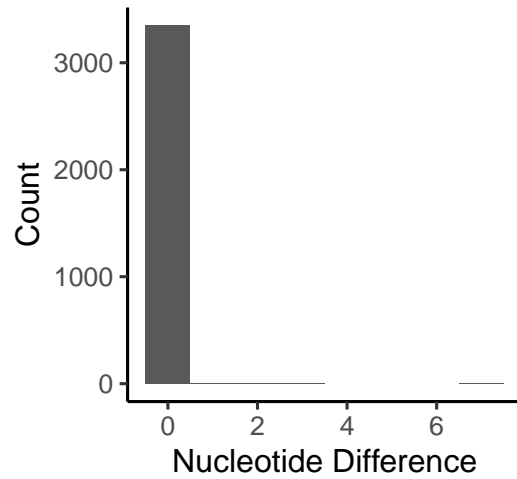
TRBV23-1*ap01

691 sequences assigned
688 (99.6%) exact matches, in which:
685 unique CDR3
13 unique J



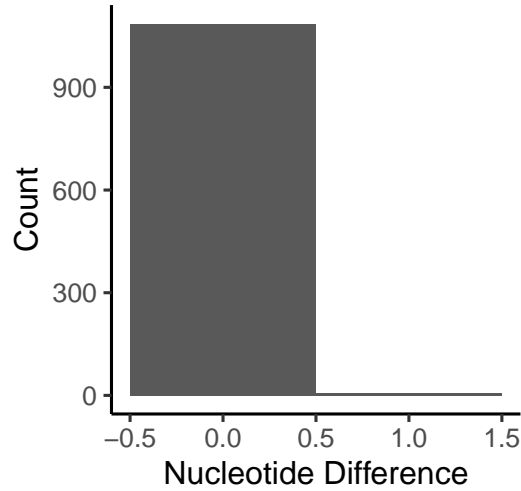
TRBV3-12*ap01

3361 sequences assigned
3349 (99.6%) exact matches, in which:
3337 unique CDR3
13 unique J



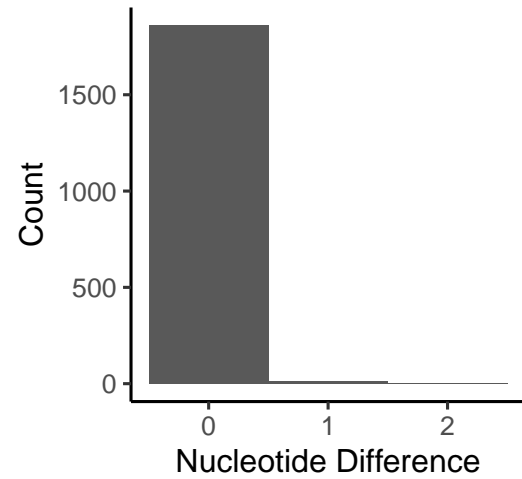
TRBV4-2*ap01

1092 sequences assigned
1086 (99.5%) exact matches, in which:
1074 unique CDR3
13 unique J



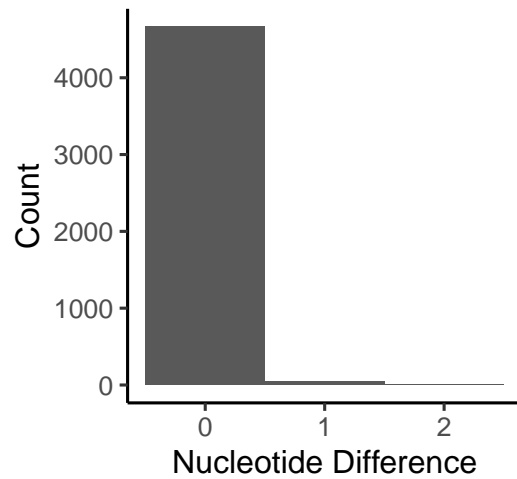
TRBV25-1*ap01

1876 sequences assigned
1860 (99.1%) exact matches, in which:
1834 unique CDR3
13 unique J



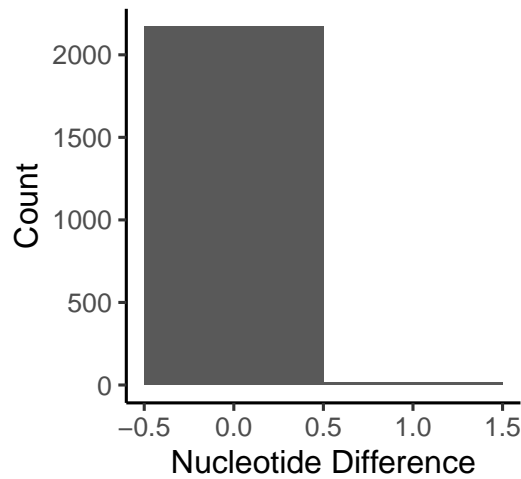
TRBV4-1*ap01

4706 sequences assigned
4664 (99.1%) exact matches, in which:
4611 unique CDR3
13 unique J



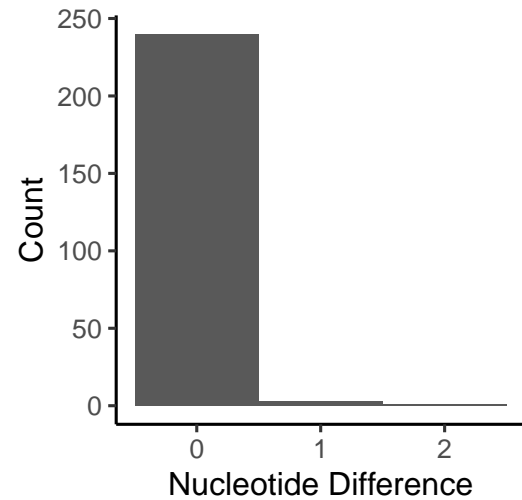
TRBV4-3*ap01

2183 sequences assigned
2170 (99.4%) exact matches, in which:
2148 unique CDR3
13 unique J



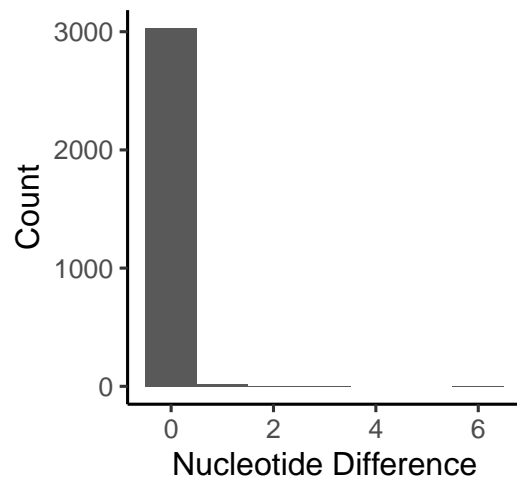
TRBV5-3*ap01

244 sequences assigned
240 (98.4%) exact matches, in which:
237 unique CDR3
12 unique J



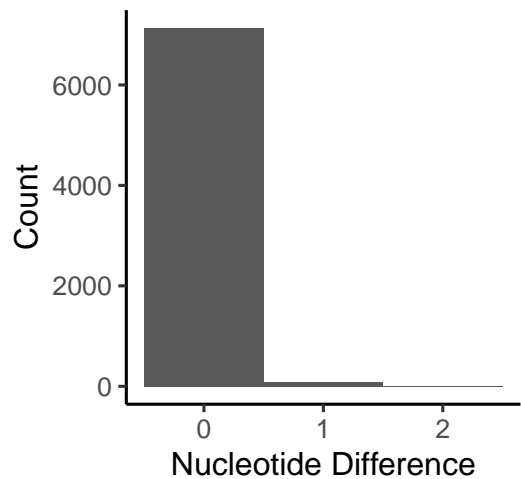
TRBV24-1*ap01

3054 sequences assigned
3031 (99.2%) exact matches, in which:
3002 unique CDR3
13 unique J



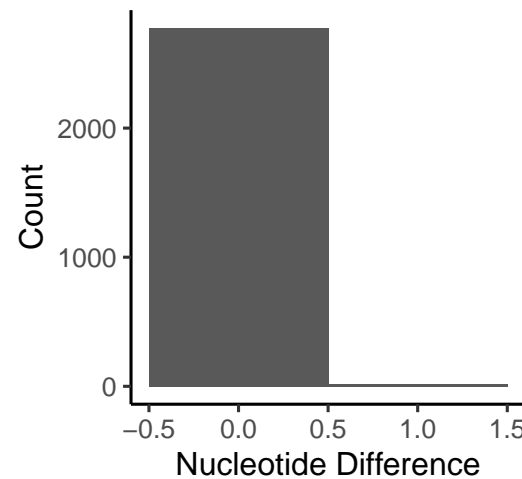
TRBV5-1*ap01

7221 sequences assigned
7133 (98.8%) exact matches, in which:
7086 unique CDR3
13 unique J



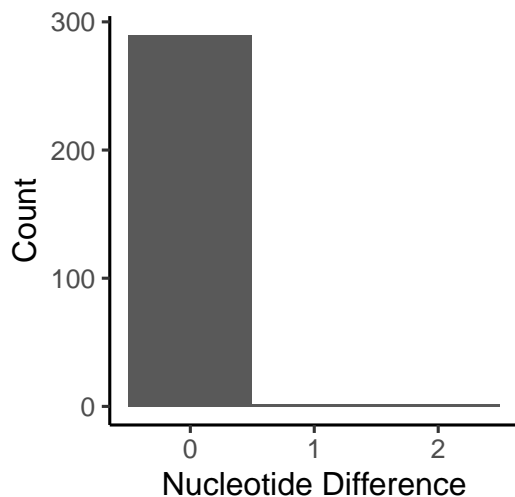
TRBV5-4*ap01

2795 sequences assigned
2775 (99.3%) exact matches, in which:
2758 unique CDR3
13 unique J



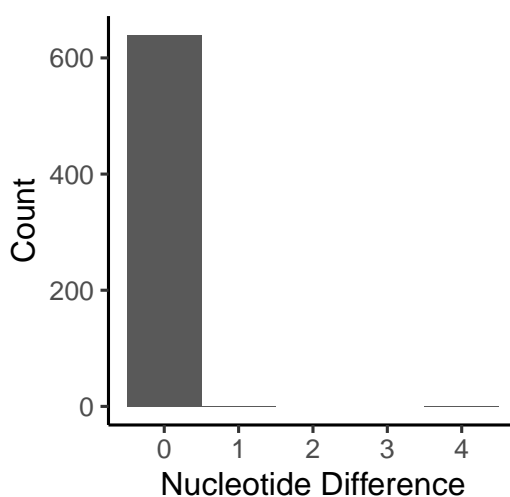
TRBV5-5*ap01

294 sequences assigned
290 (98.6%) exact matches, in which:
288 unique CDR3
13 unique J



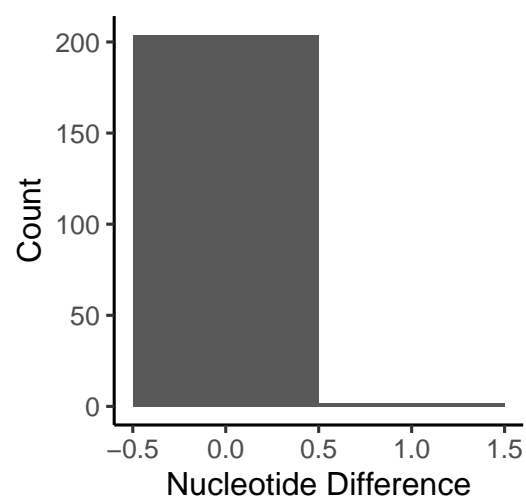
TRBV5-8*ap01

642 sequences assigned
640 (99.7%) exact matches, in which:
636 unique CDR3
13 unique J



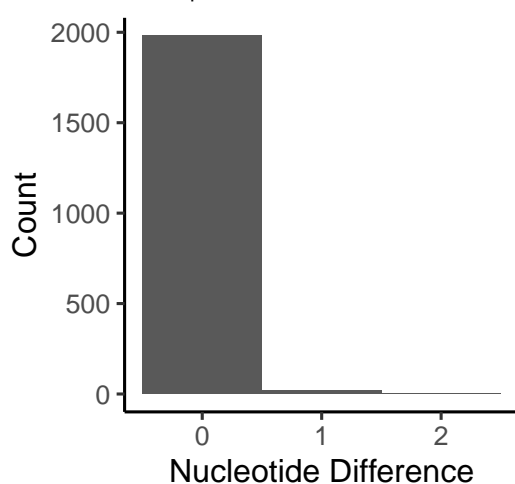
TRBV6-7*ap01

206 sequences assigned
204 (99%) exact matches, in which:
199 unique CDR3
13 unique J



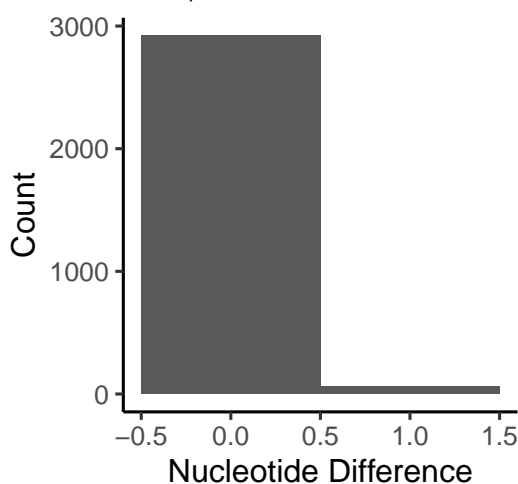
TRBV5-6*ap01

2004 sequences assigned
1981 (98.9%) exact matches, in which:
1968 unique CDR3
13 unique J



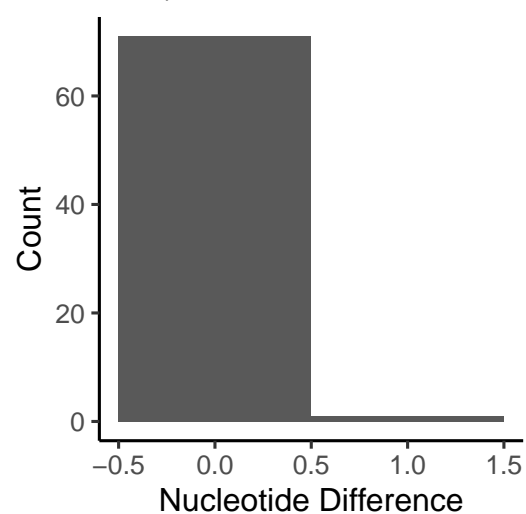
TRBV6-1*ap01

2986 sequences assigned
2921 (97.8%) exact matches, in which:
2901 unique CDR3
13 unique J



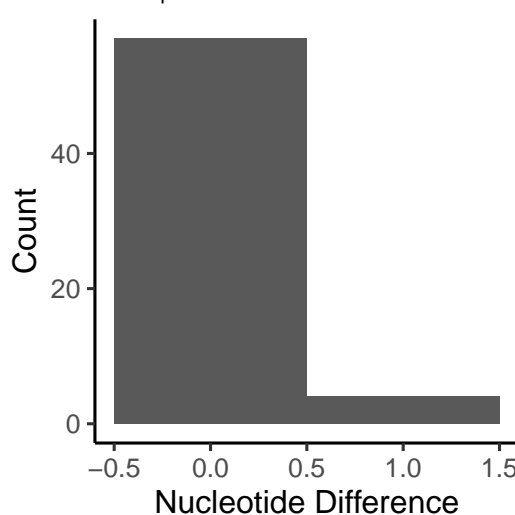
TRBV6-8*ap01

72 sequences assigned
71 (98.6%) exact matches, in which:
70 unique CDR3
11 unique J



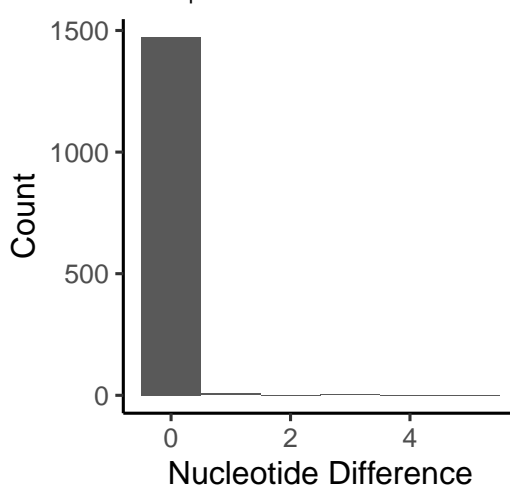
TRBV5-7*ap01

61 sequences assigned
57 (93.4%) exact matches, in which:
56 unique CDR3
12 unique J



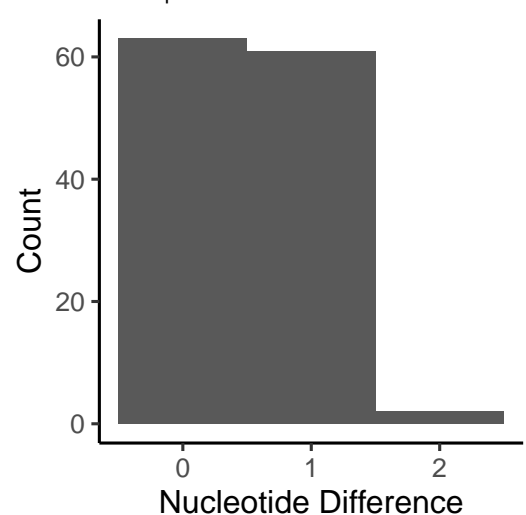
TRBV6-4*ap01

1486 sequences assigned
1473 (99.1%) exact matches, in which:
1465 unique CDR3
13 unique J



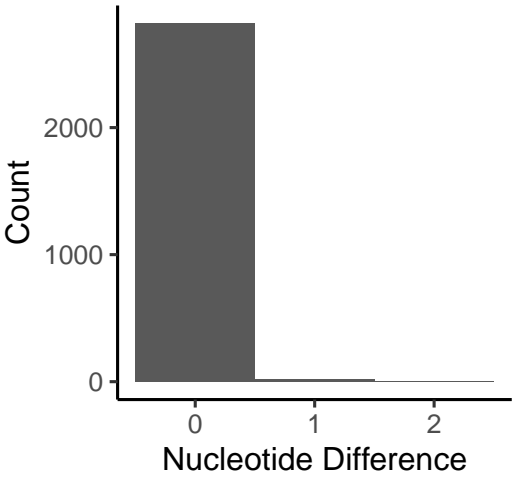
TRBV6-9*ap01

126 sequences assigned
63 (50%) exact matches, in which:
60 unique CDR3
13 unique J



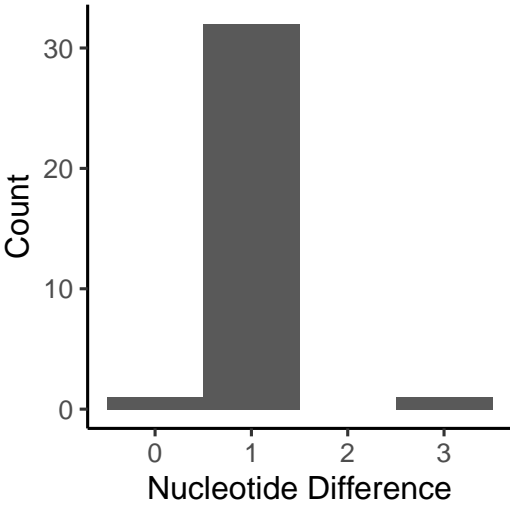
TRBV6-23*ap01

2842 sequences assigned
2820 (99.2%) exact matches, in which:
2792 unique CDR3
13 unique J



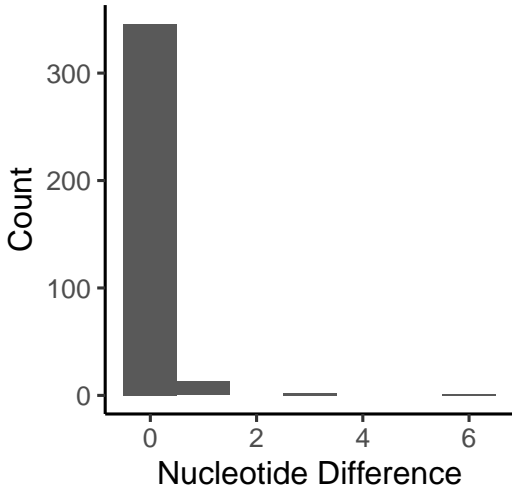
TRBV7-1*ap01_T296C

34 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



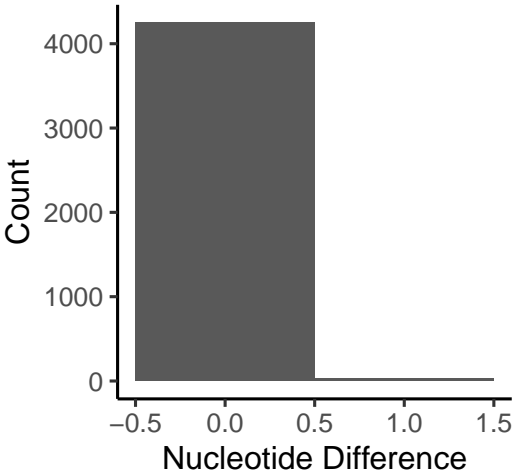
TRBV7-3*ap03

362 sequences assigned
346 (95.6%) exact matches, in which:
344 unique CDR3
13 unique J



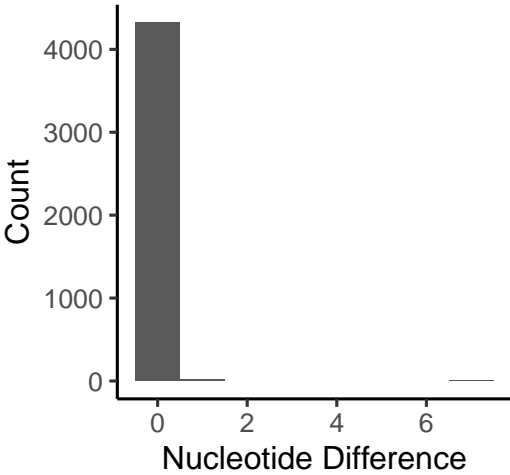
TRBV6-56*ap01

4277 sequences assigned
4249 (99.3%) exact matches, in which:
4186 unique CDR3
13 unique J



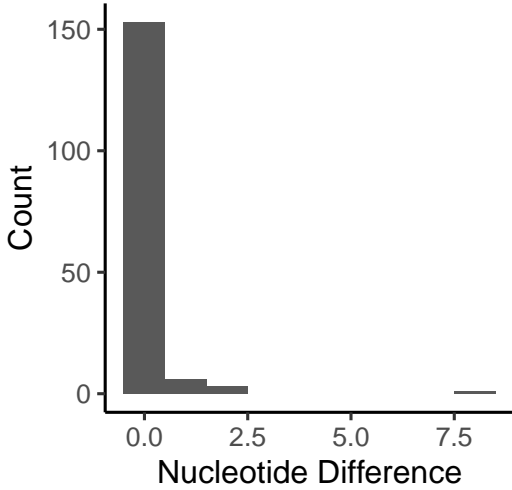
TRBV7-2*ap01

4342 sequences assigned
4321 (99.5%) exact matches, in which:
4295 unique CDR3
13 unique J



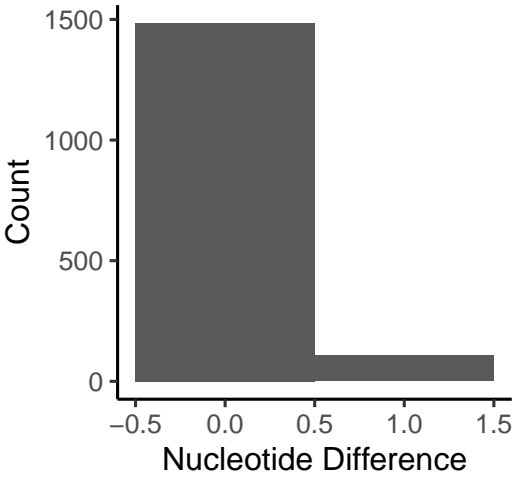
TRBV7-4*ap01

163 sequences assigned
153 (93.9%) exact matches, in which:
151 unique CDR3
13 unique J



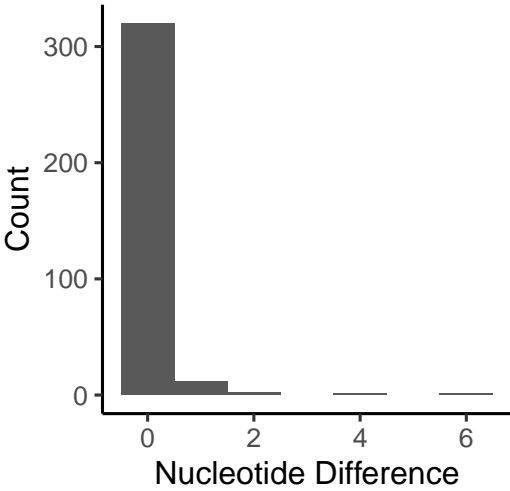
TRBV6-56*ap02

1592 sequences assigned
1485 (93.3%) exact matches, in which:
1466 unique CDR3
13 unique J



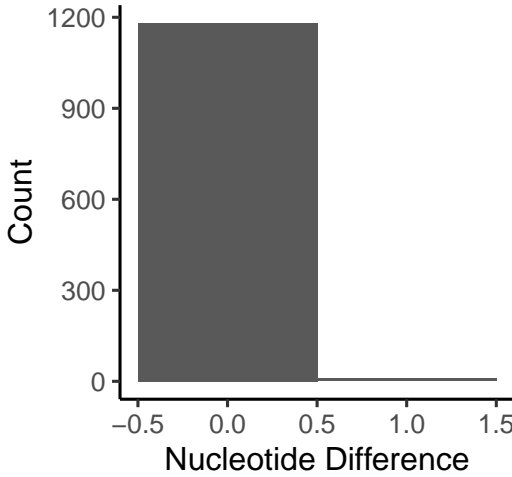
TRBV7-3*ap02

336 sequences assigned
320 (95.2%) exact matches, in which:
318 unique CDR3
12 unique J



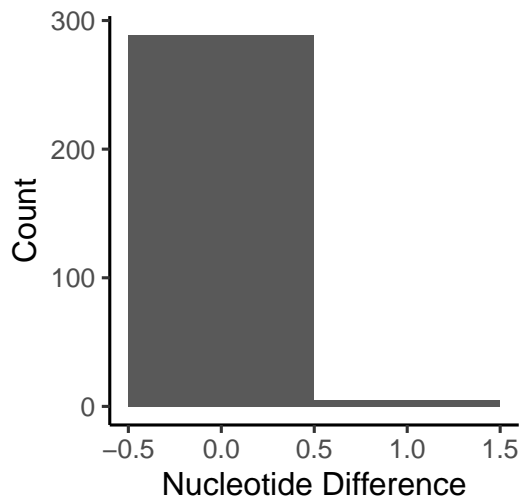
TRBV7-6*ap01

1190 sequences assigned
1181 (99.2%) exact matches, in which:
1175 unique CDR3
13 unique J



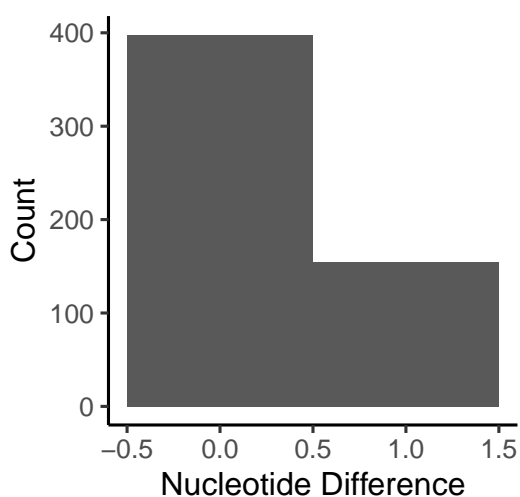
TRBV7-7*ap01

294 sequences assigned
289 (98.3%) exact matches, in which:
286 unique CDR3
12 unique J



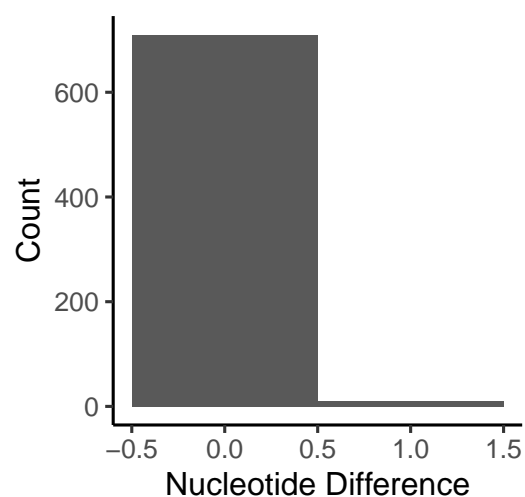
TRBV7-8*ap03

553 sequences assigned
398 (72%) exact matches, in which:
394 unique CDR3
13 unique J



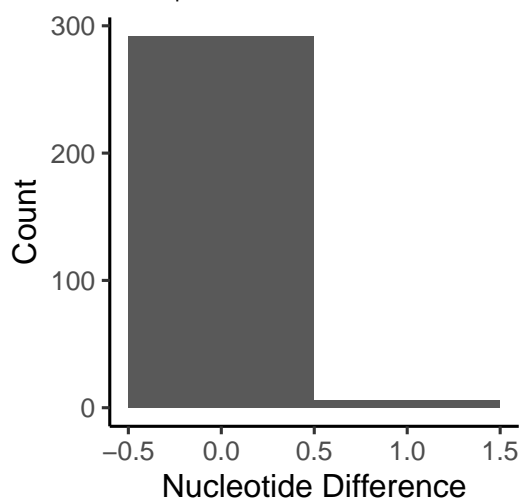
TRBV29-1*ap02

721 sequences assigned
710 (98.5%) exact matches, in which:
698 unique CDR3
13 unique J



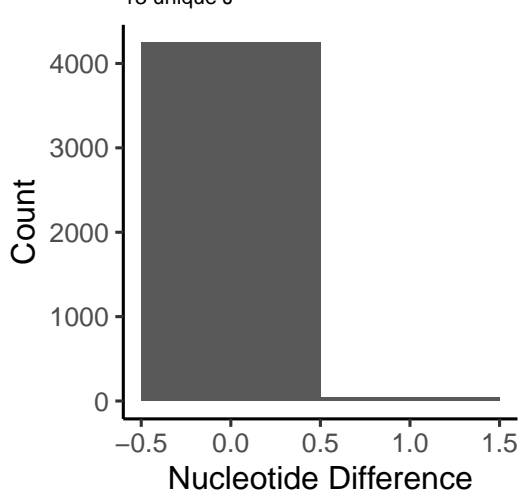
TRBV7-7*ap01_C315T

298 sequences assigned
292 (98%) exact matches, in which:
292 unique CDR3
13 unique J



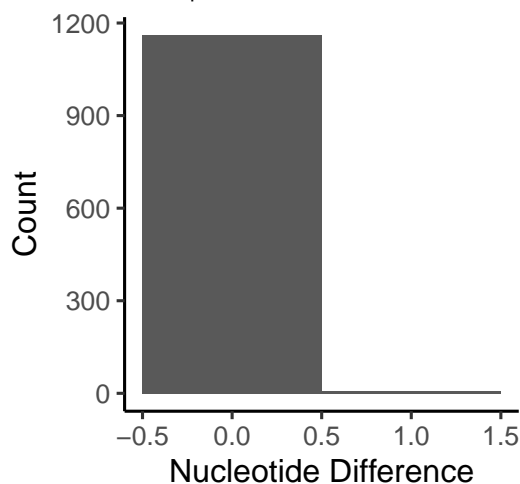
TRBV7-9*ap01

4293 sequences assigned
4246 (98.9%) exact matches, in which:
4222 unique CDR3
13 unique J



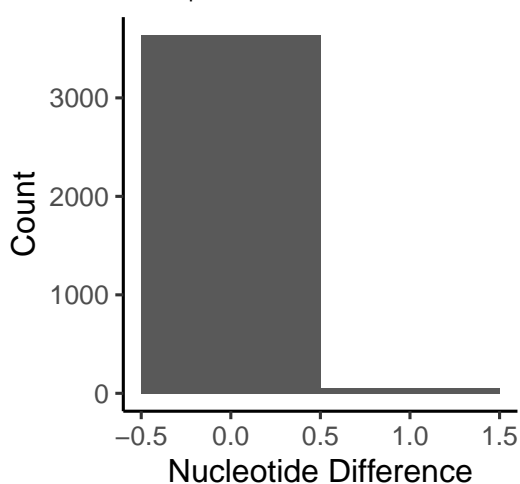
TRBV7-8*ap01

1169 sequences assigned
1161 (99.3%) exact matches, in which:
1158 unique CDR3
13 unique J

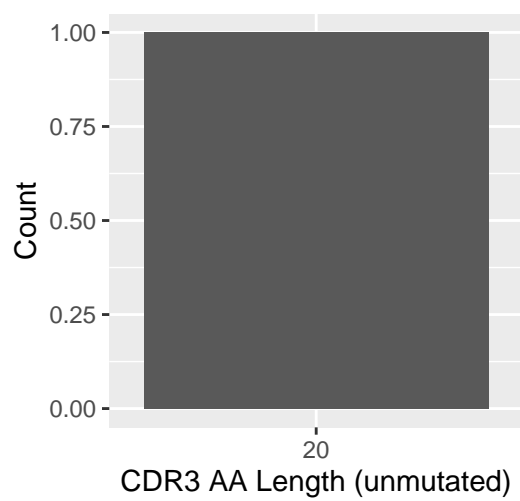


TRBV29-1*ap01

3693 sequences assigned
3638 (98.5%) exact matches, in which:
3569 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

