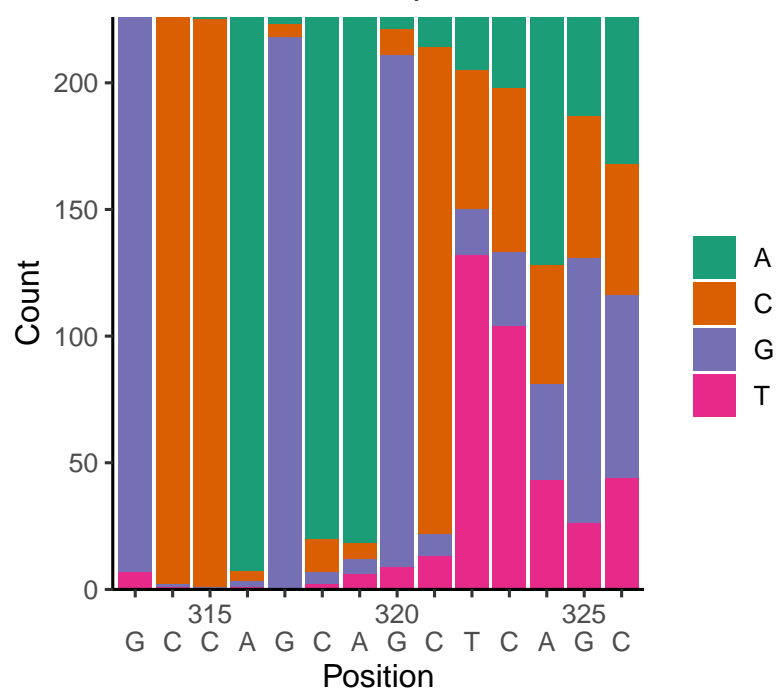
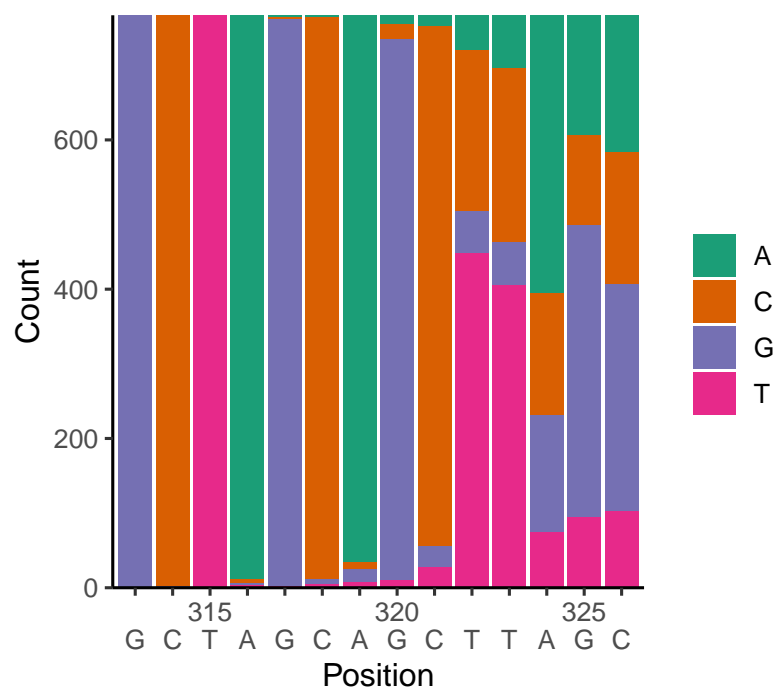


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



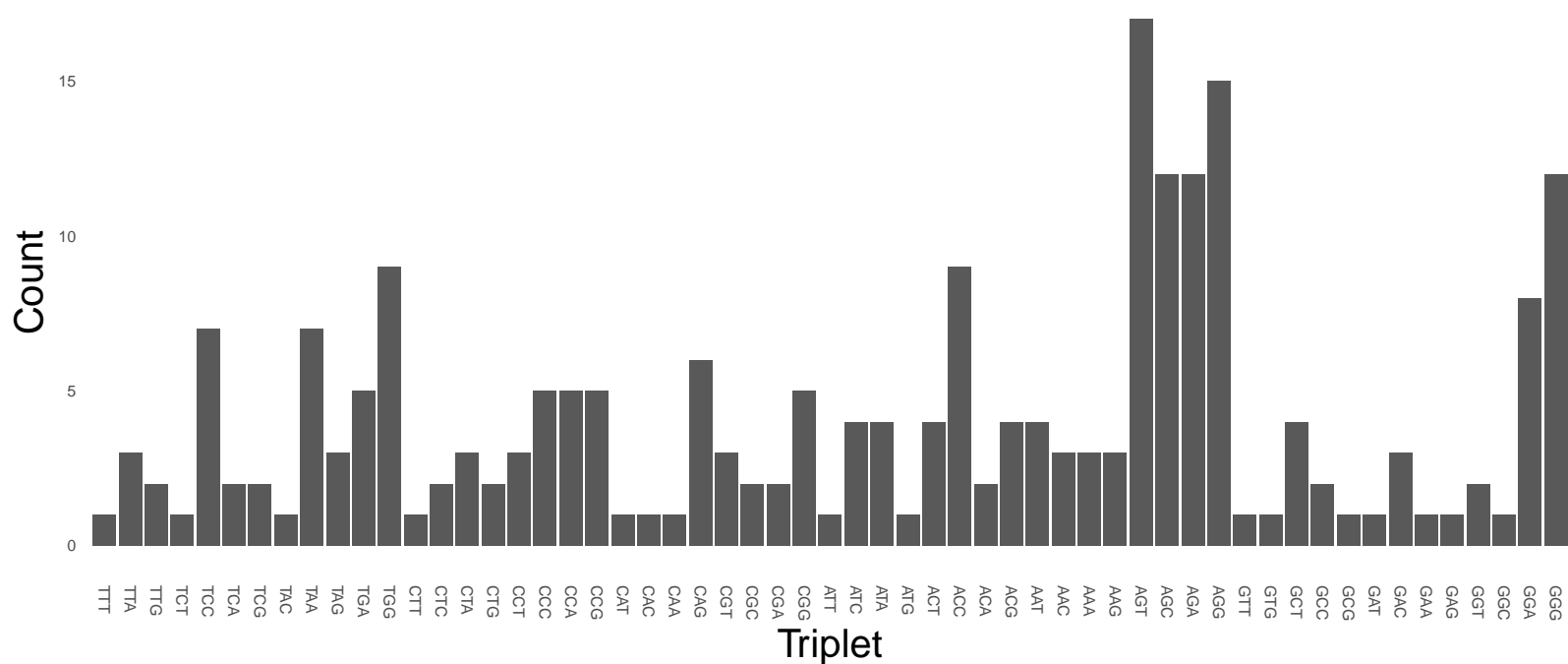
Gene TRBV7-1*ap01_G291C_T296C



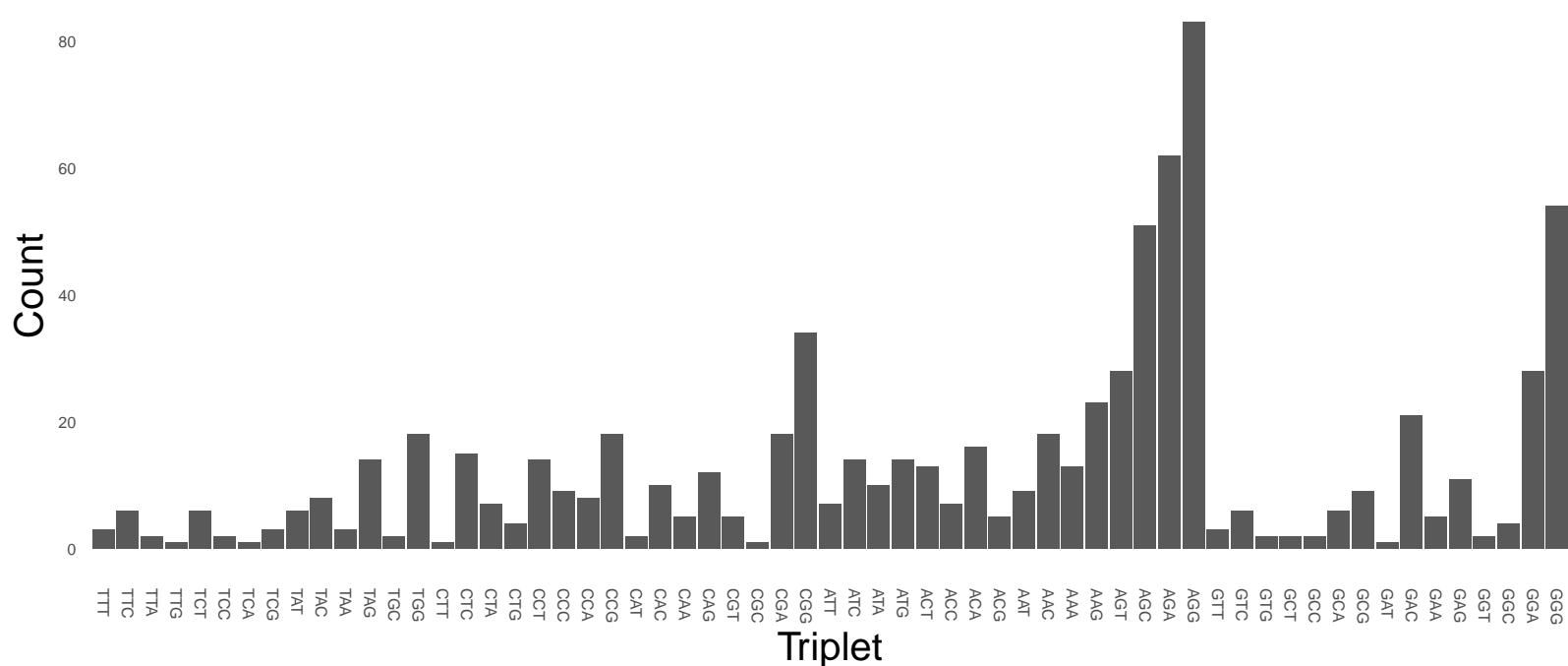
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

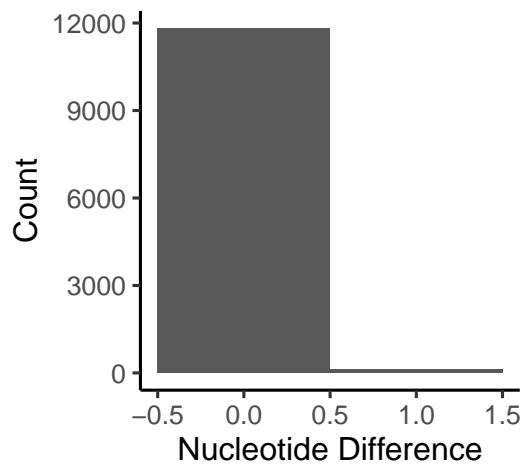


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



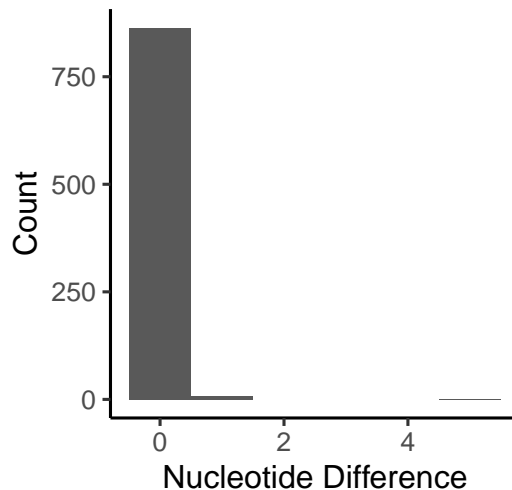
TRBV20-1*ap01

11962 sequences assigned
11825 (98.9%) exact matches, in which:
11619 unique CDR3
13 unique J



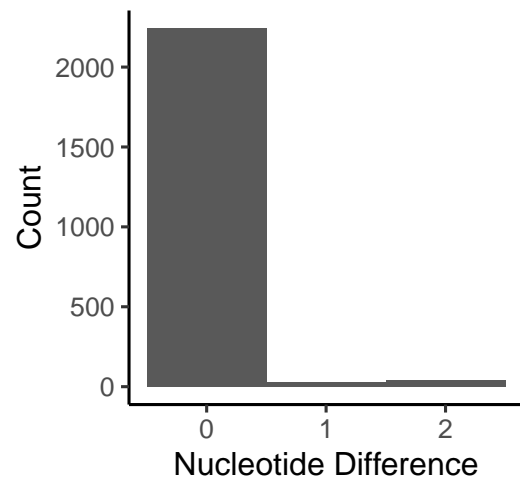
TRBV10-2*ap01

872 sequences assigned
864 (99.1%) exact matches, in which:
844 unique CDR3
13 unique J



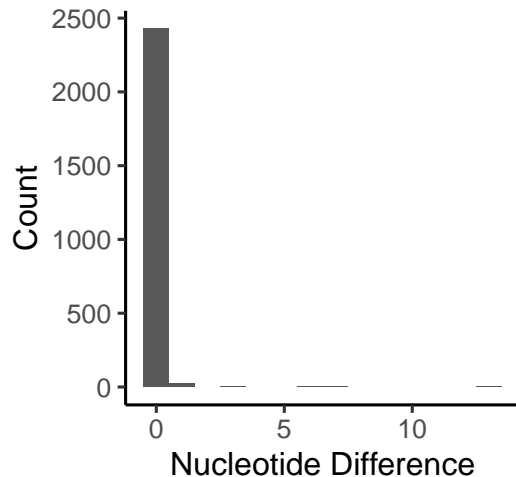
TRBV13*ap01

2311 sequences assigned
2242 (97%) exact matches, in which:
2173 unique CDR3
13 unique J



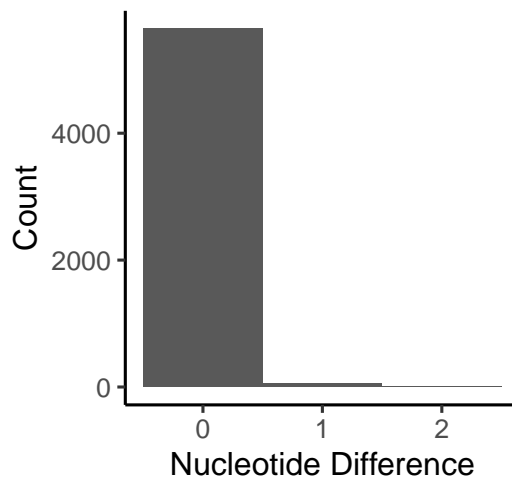
TRBV10-1*ap01

2460 sequences assigned
2428 (98.7%) exact matches, in which:
2359 unique CDR3
13 unique J



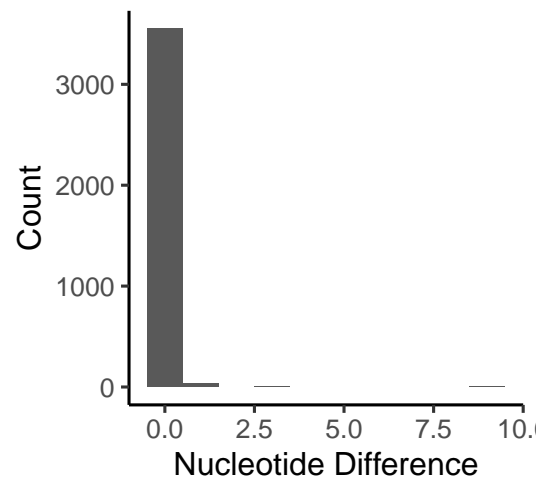
TRBV10-3*ap01

5709 sequences assigned
5647 (98.9%) exact matches, in which:
5506 unique CDR3
13 unique J



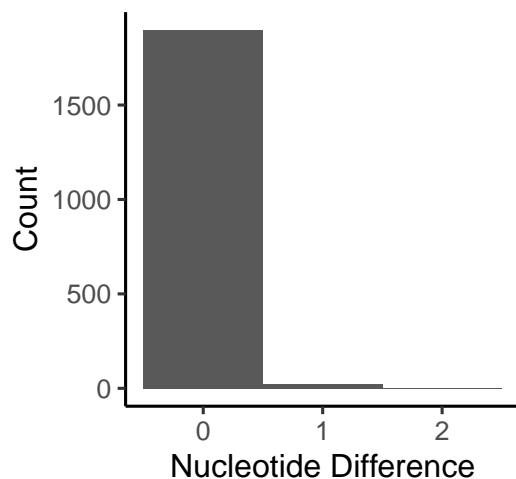
TRBV14*ap01

3584 sequences assigned
3551 (99.1%) exact matches, in which:
3489 unique CDR3
13 unique J



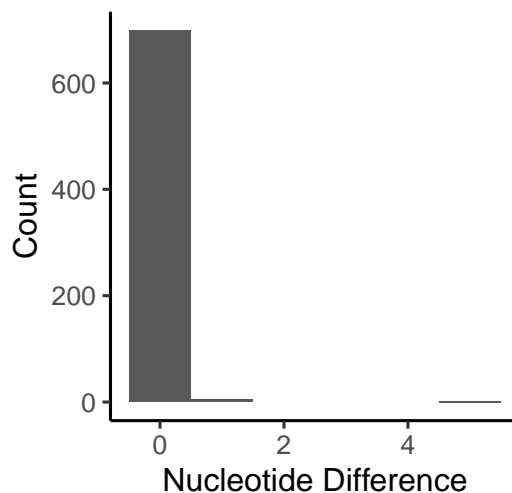
TRBV20-1*ap02

1921 sequences assigned
1897 (98.8%) exact matches, in which:
1860 unique CDR3
13 unique J



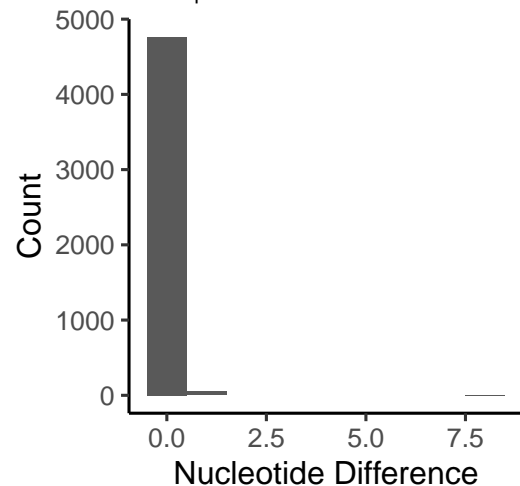
TRBV1*ap01

706 sequences assigned
699 (99%) exact matches, in which:
679 unique CDR3
13 unique J



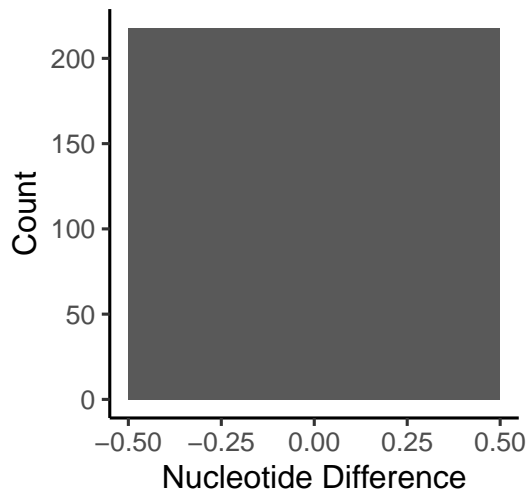
TRBV15*ap02

4812 sequences assigned
4762 (99%) exact matches, in which:
4645 unique CDR3
13 unique J



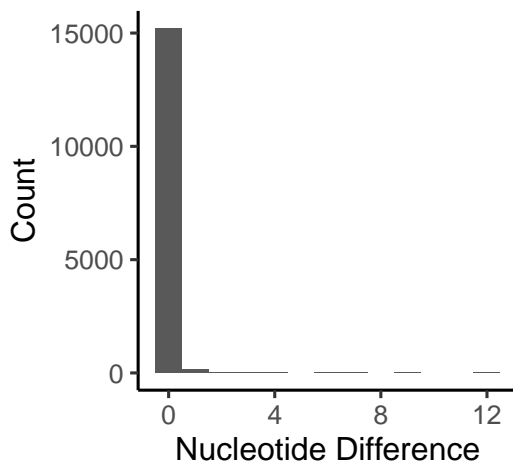
TRBV16*ap01

218 sequences assigned
218 (100%) exact matches, in which:
216 unique CDR3
13 unique J



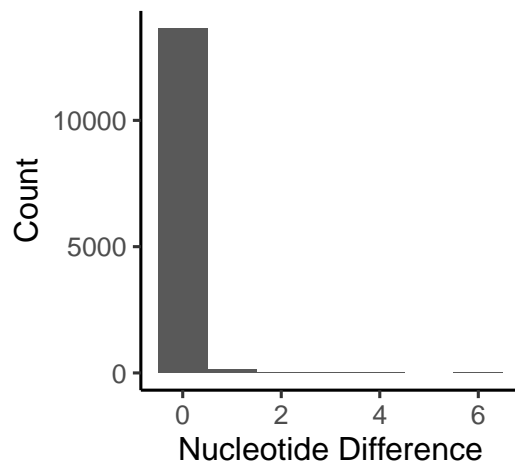
TRBV19*ap01

15367 sequences assigned
15217 (99%) exact matches, in which:
15044 unique CDR3
13 unique J



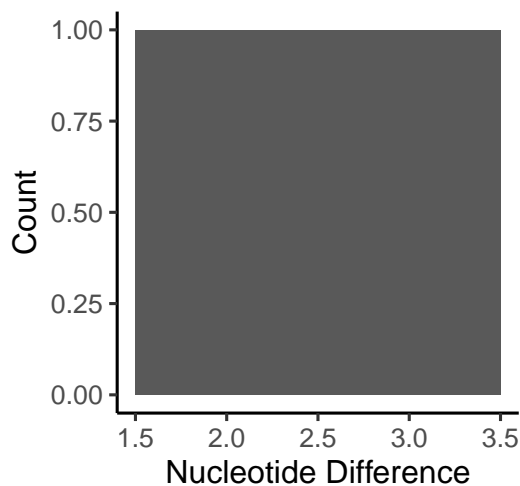
TRBV28*ap01

13783 sequences assigned
13652 (99%) exact matches, in which:
13356 unique CDR3
13 unique J



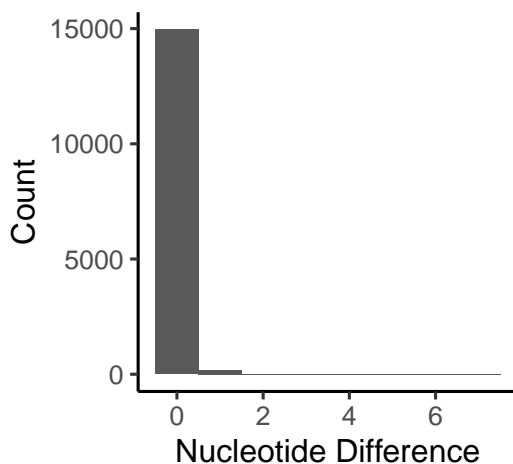
TRBV17*ap01

2 sequences assigned
No exact matches.



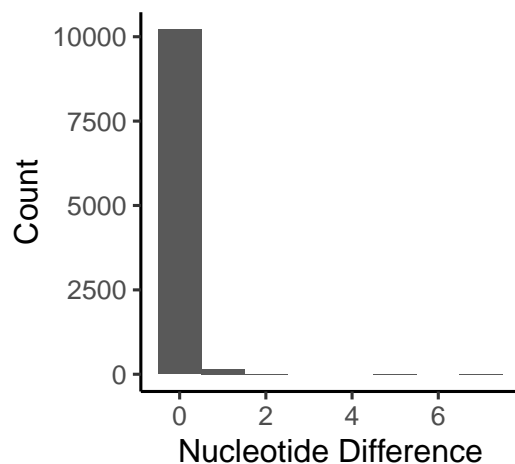
TRBV2*ap01

15174 sequences assigned
14962 (98.6%) exact matches, in which:
14607 unique CDR3
13 unique J



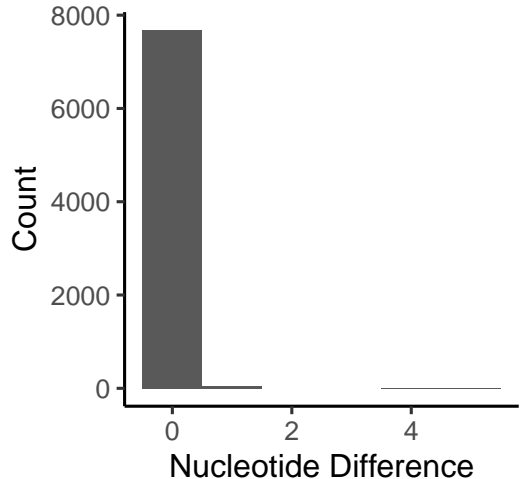
TRBV30*ap01

10381 sequences assigned
10215 (98.4%) exact matches, in which:
10027 unique CDR3
13 unique J



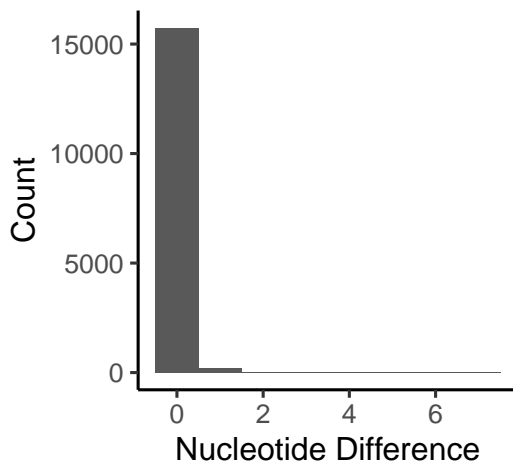
TRBV18*ap01

7728 sequences assigned
7681 (99.4%) exact matches, in which:
7582 unique CDR3
13 unique J



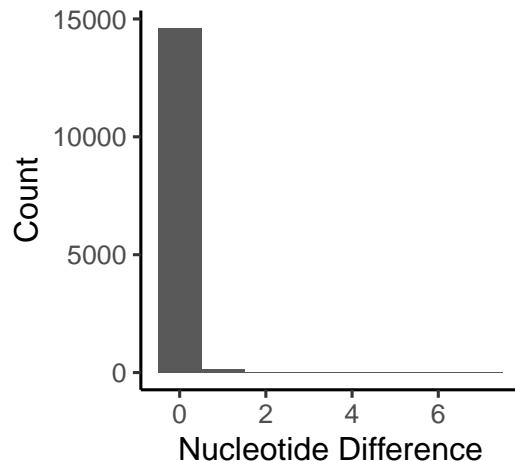
TRBV27*ap01

15972 sequences assigned
15743 (98.6%) exact matches, in which:
15295 unique CDR3
13 unique J



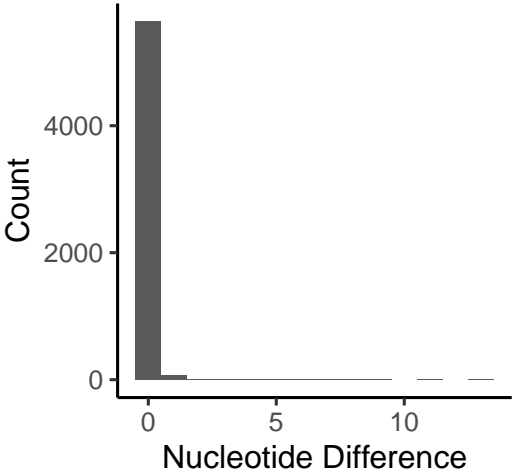
TRBV9*ap01

14791 sequences assigned
14625 (98.9%) exact matches, in which:
14347 unique CDR3
13 unique J



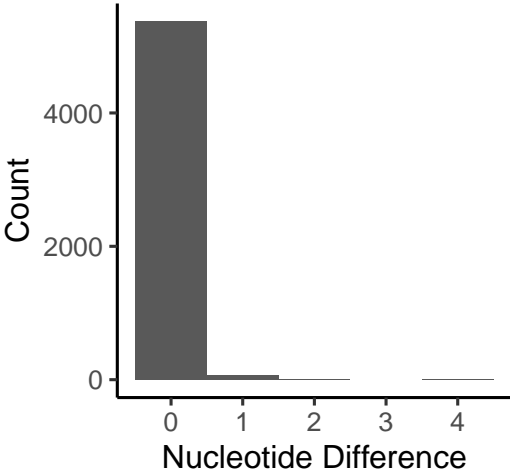
TRBV21-1*ap01

5736 sequences assigned
5643 (98.4%) exact matches, in which:
5558 unique CDR3
13 unique J



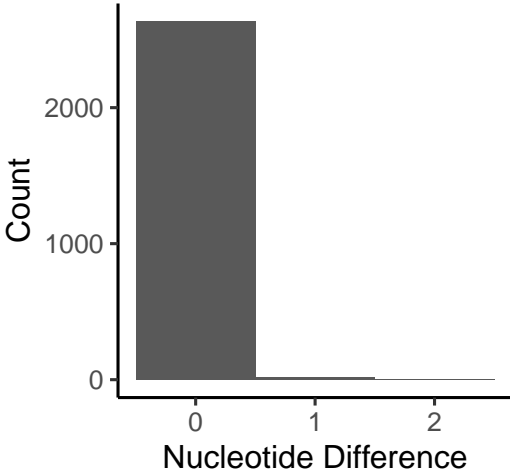
TRBV11-3*ap01

5442 sequences assigned
5373 (98.7%) exact matches, in which:
5273 unique CDR3
13 unique J



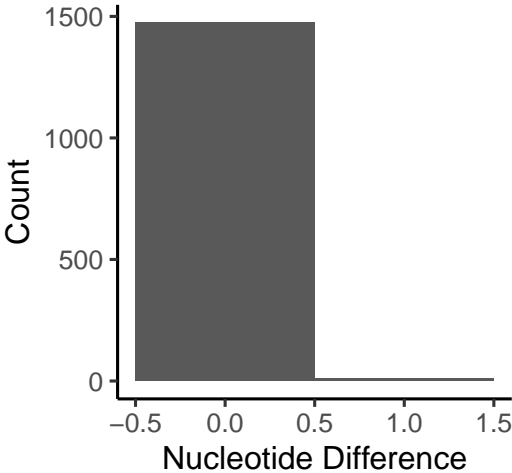
TRBV12-5*ap01

2657 sequences assigned
2634 (99.1%) exact matches, in which:
2581 unique CDR3
13 unique J



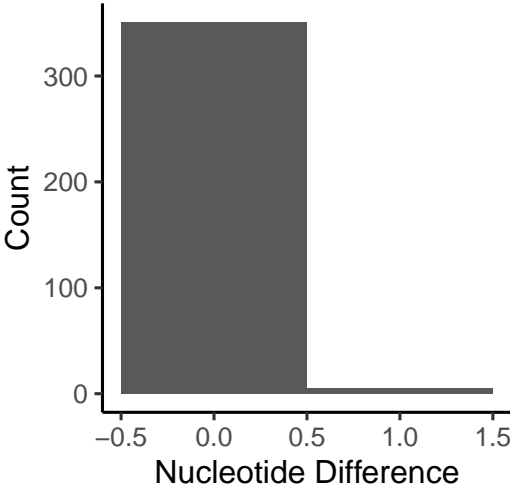
TRBV11-1*ap01

1485 sequences assigned
1474 (99.3%) exact matches, in which:
1441 unique CDR3
13 unique J



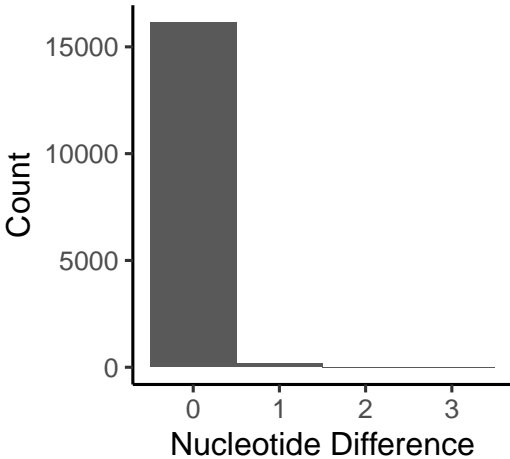
TRBV12-1*ap01

356 sequences assigned
351 (98.6%) exact matches, in which:
343 unique CDR3
13 unique J



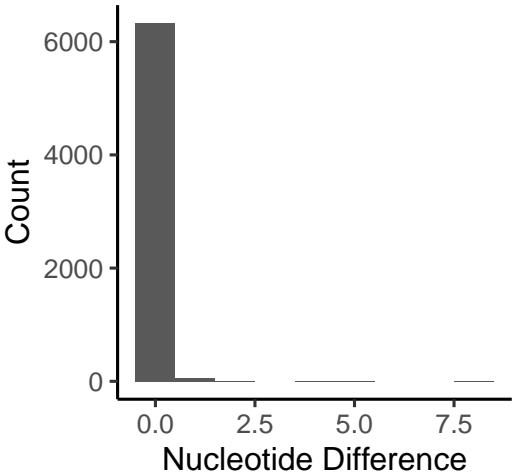
TRBV12-34*ap01

16322 sequences assigned
16141 (98.9%) exact matches, in which:
15810 unique CDR3
13 unique J



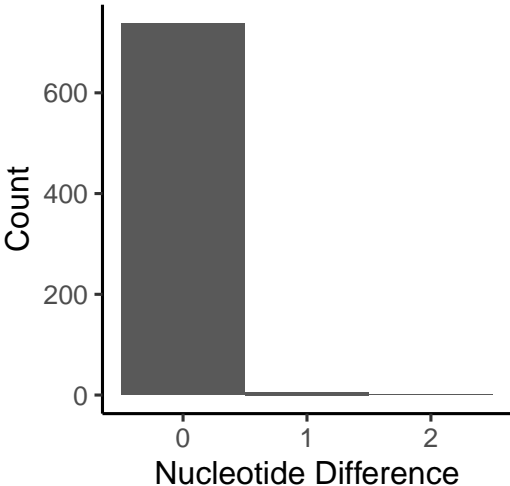
TRBV11-2*ap01

6395 sequences assigned
6329 (99%) exact matches, in which:
6181 unique CDR3
13 unique J



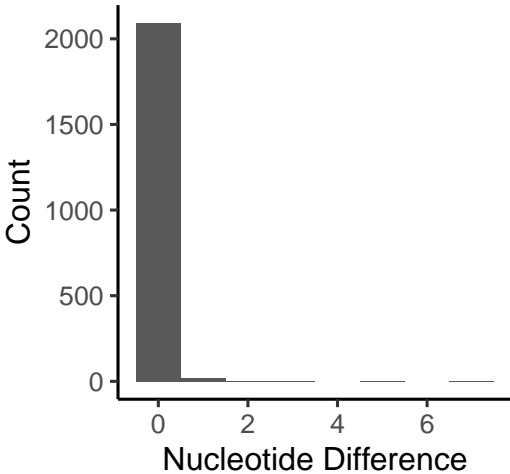
TRBV12-2*ap01

745 sequences assigned
738 (99.1%) exact matches, in which:
730 unique CDR3
13 unique J



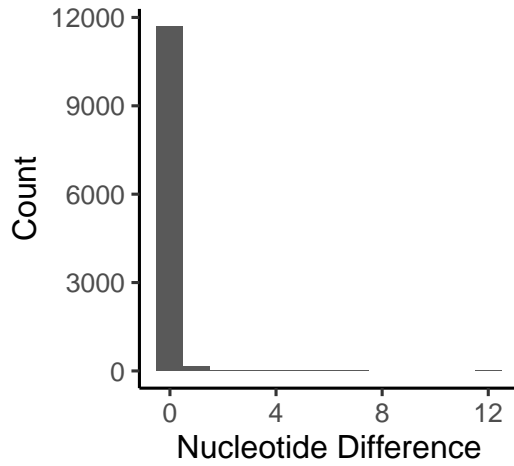
TRBV23-1*ap01

2116 sequences assigned
2092 (98.9%) exact matches, in which:
2051 unique CDR3
13 unique J



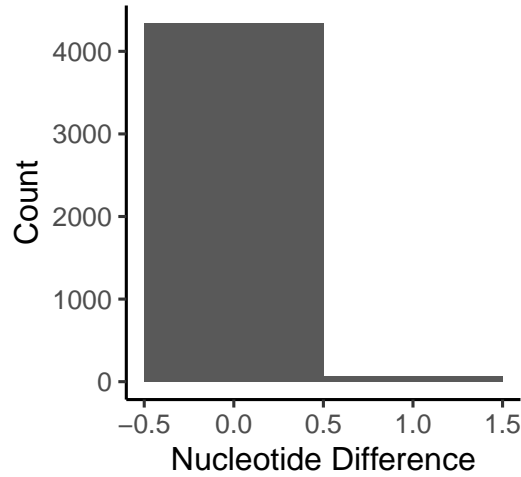
TRBV3-12*ap01

11864 sequences assigned
11704 (98.7%) exact matches, in which:
11434 unique CDR3
13 unique J



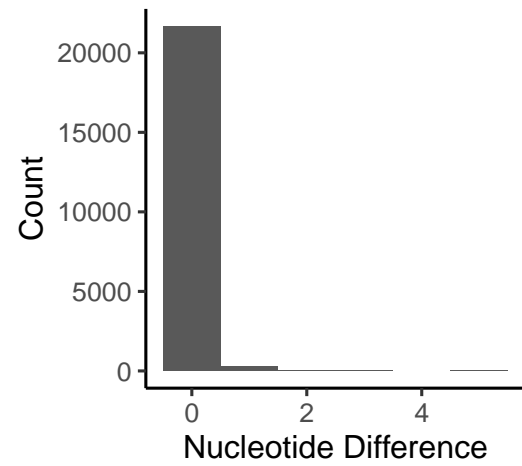
TRBV4-2*ap01

4410 sequences assigned
4338 (98.4%) exact matches, in which:
4245 unique CDR3
13 unique J



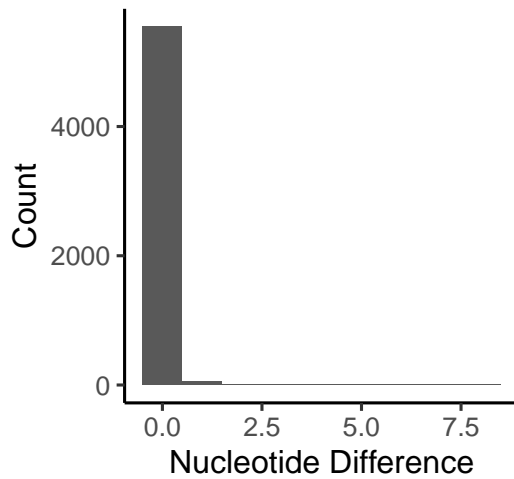
TRBV5-1*ap01

21943 sequences assigned
21677 (98.8%) exact matches, in which:
21113 unique CDR3
13 unique J



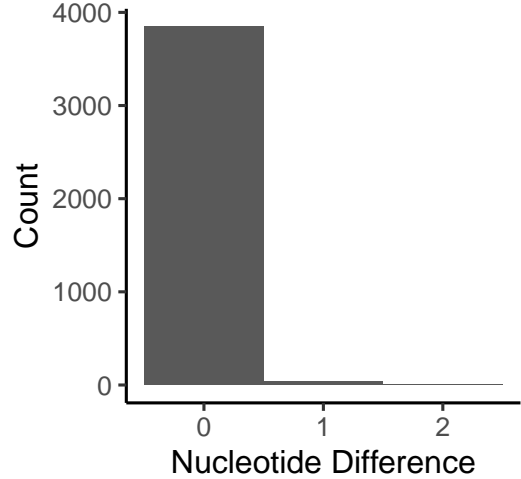
TRBV24-1*ap01

5613 sequences assigned
5544 (98.8%) exact matches, in which:
5409 unique CDR3
13 unique J



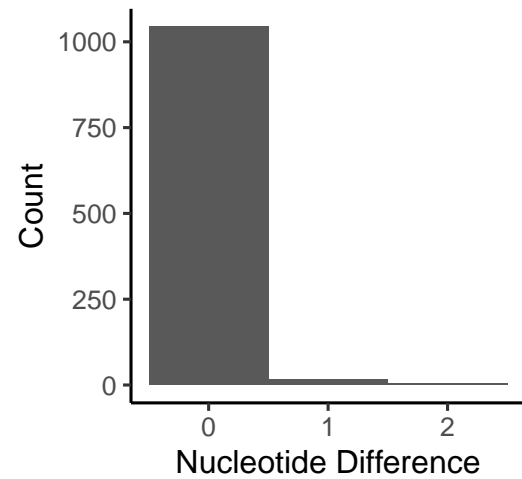
TRBV4-3*ap01

3888 sequences assigned
3846 (98.9%) exact matches, in which:
3746 unique CDR3
13 unique J



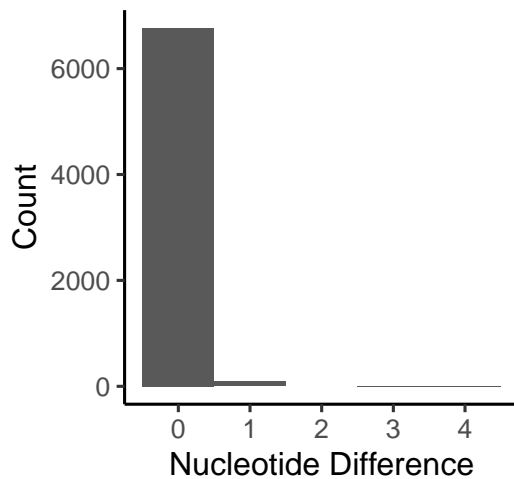
TRBV5-3*ap01

1064 sequences assigned
1044 (98.1%) exact matches, in which:
1026 unique CDR3
13 unique J



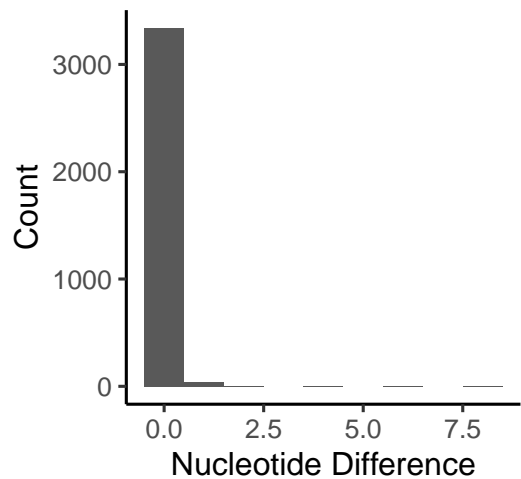
TRBV4-1*ap01

6857 sequences assigned
6766 (98.7%) exact matches, in which:
6579 unique CDR3
13 unique J



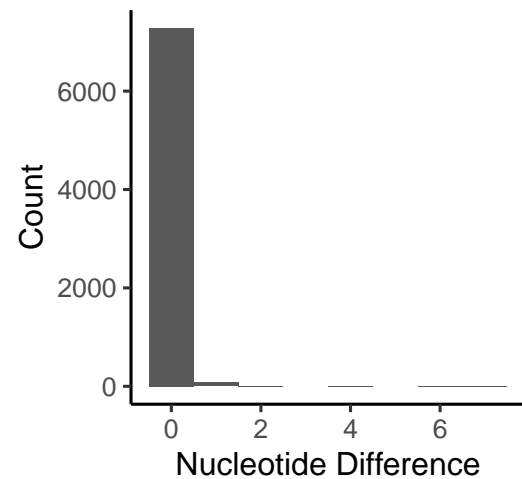
TRBV25-1*ap01

3390 sequences assigned
3339 (98.5%) exact matches, in which:
3265 unique CDR3
13 unique J



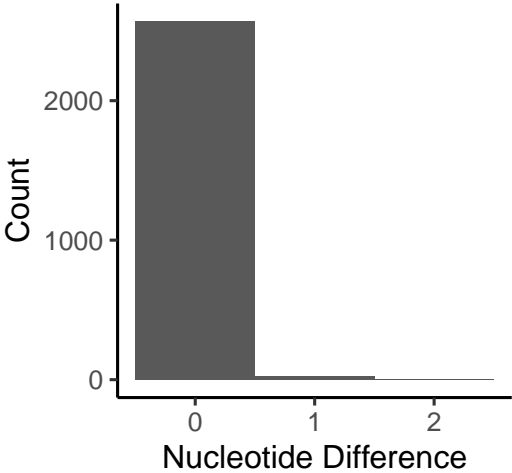
TRBV5-4*ap01

7369 sequences assigned
7282 (98.8%) exact matches, in which:
7112 unique CDR3
13 unique J



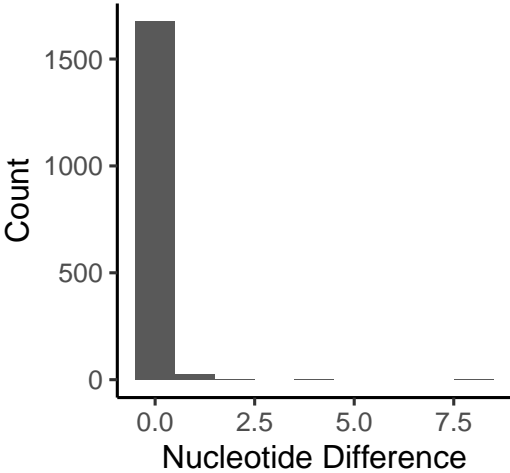
TRBV5-5*ap01

2599 sequences assigned
2568 (98.8%) exact matches, in which:
2542 unique CDR3
13 unique J



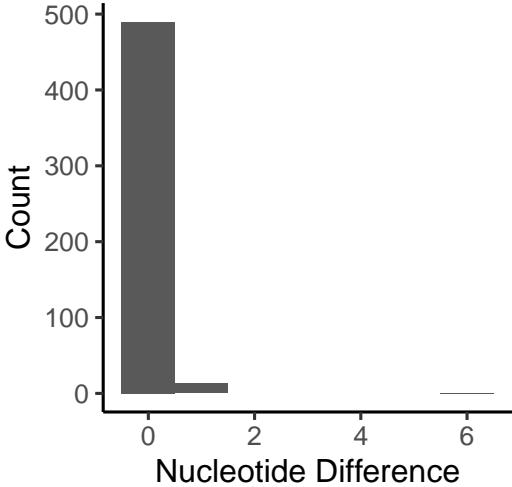
TRBV5-8*ap01

1709 sequences assigned
1676 (98.1%) exact matches, in which:
1652 unique CDR3
13 unique J



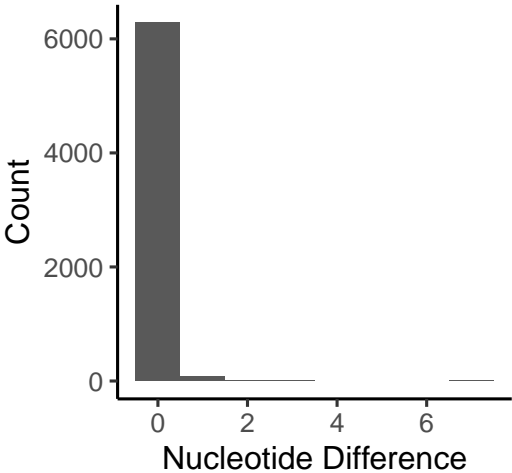
TRBV6-7*ap01

504 sequences assigned
490 (97.2%) exact matches, in which:
476 unique CDR3
13 unique J



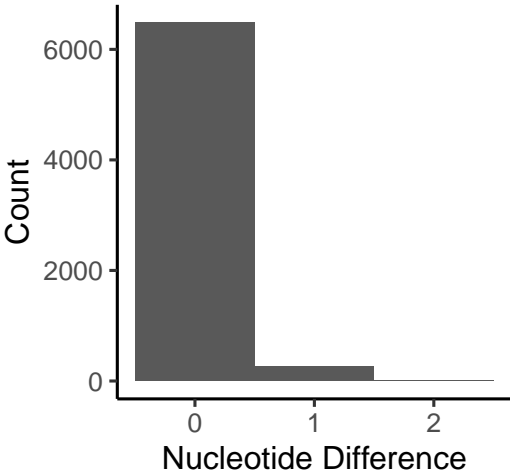
TRBV5-6*ap01

6370 sequences assigned
6283 (98.6%) exact matches, in which:
6088 unique CDR3
13 unique J



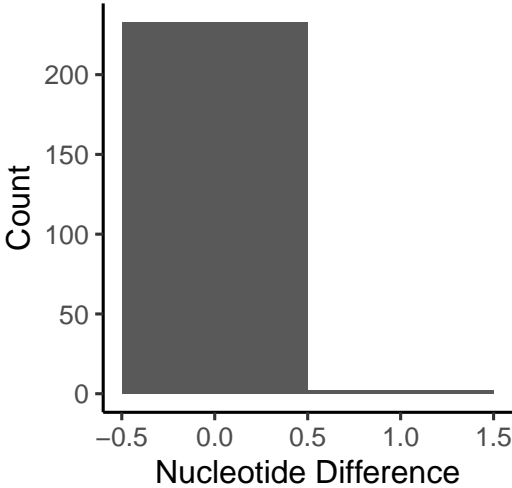
TRBV6-1*ap01

6750 sequences assigned
6482 (96%) exact matches, in which:
6313 unique CDR3
13 unique J



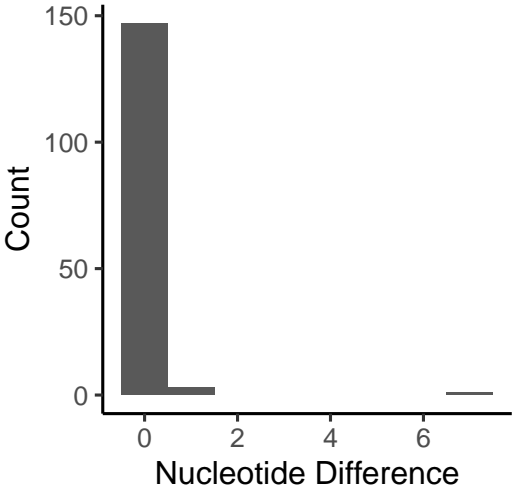
TRBV6-8*ap01

235 sequences assigned
233 (99.1%) exact matches, in which:
226 unique CDR3
13 unique J



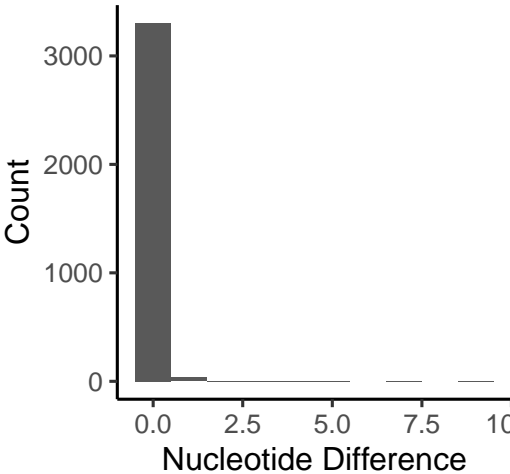
TRBV5-7*ap01

151 sequences assigned
147 (97.4%) exact matches, in which:
145 unique CDR3
13 unique J



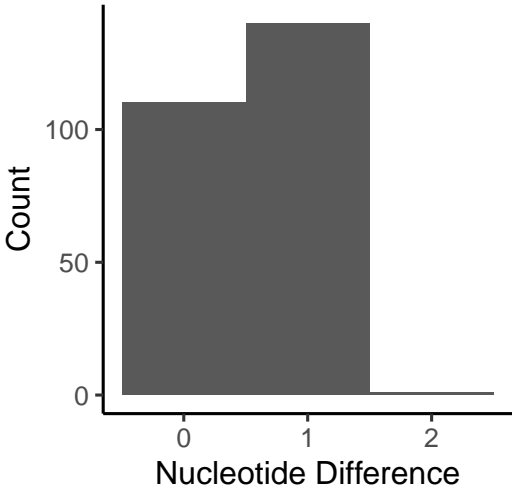
TRBV6-4*ap01

3350 sequences assigned
3303 (98.6%) exact matches, in which:
3231 unique CDR3
13 unique J



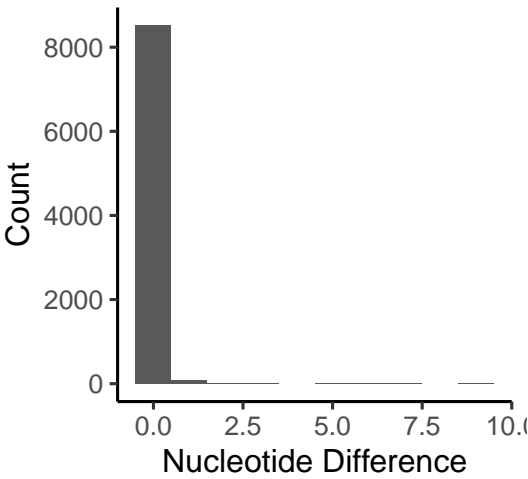
TRBV6-9*ap01

251 sequences assigned
110 (43.8%) exact matches, in which:
107 unique CDR3
12 unique J



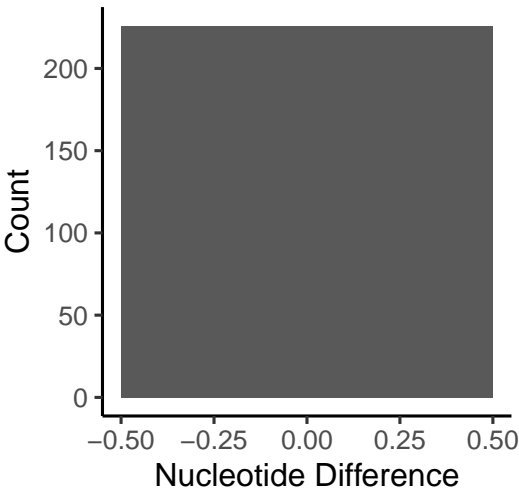
TRBV6-23*ap01

8621 sequences assigned
8518 (98.8%) exact matches, in which:
8274 unique CDR3
13 unique J



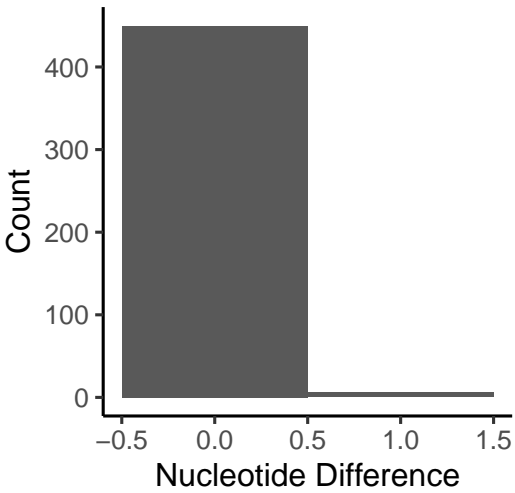
TRBV7-1*ap01_G291C_

226 sequences assigned
226 (100%) exact matches, in which:
224 unique CDR3
13 unique J



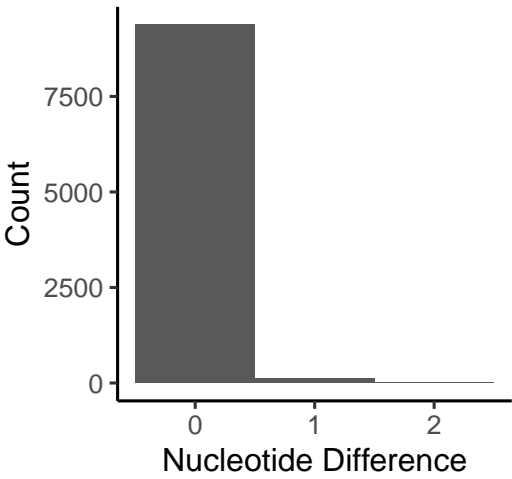
TRBV7-4*ap01

456 sequences assigned
450 (98.7%) exact matches, in which:
442 unique CDR3
13 unique J



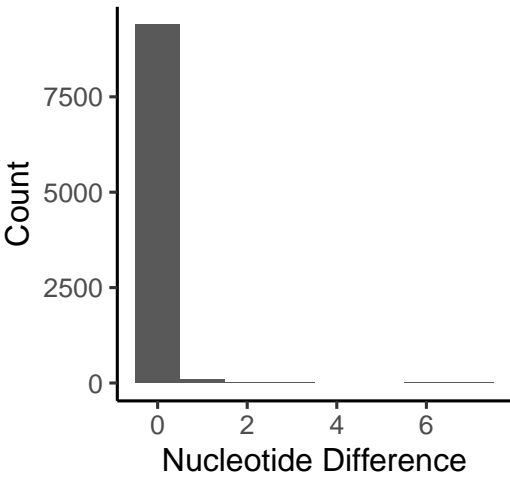
TRBV6-56*ap01

9492 sequences assigned
9377 (98.8%) exact matches, in which:
9111 unique CDR3
13 unique J



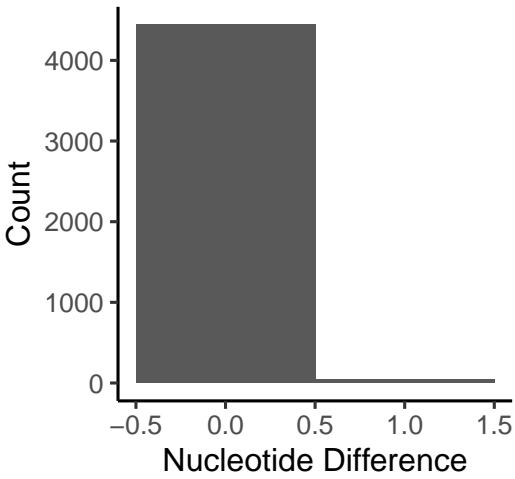
TRBV7-2*ap01

9477 sequences assigned
9389 (99.1%) exact matches, in which:
9227 unique CDR3
13 unique J



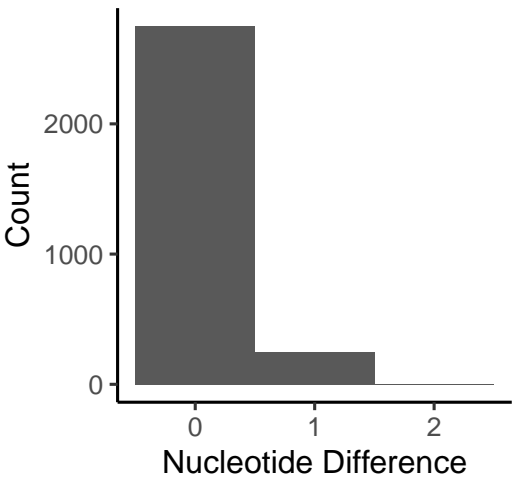
TRBV7-6*ap01

4491 sequences assigned
4442 (98.9%) exact matches, in which:
4357 unique CDR3
13 unique J



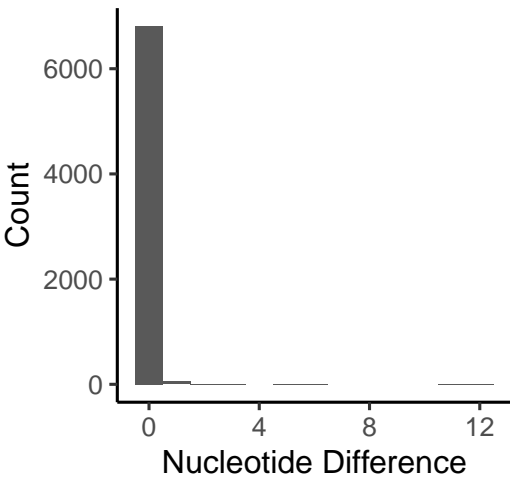
TRBV6-56*ap02

3002 sequences assigned
2751 (91.6%) exact matches, in which:
2674 unique CDR3
13 unique J



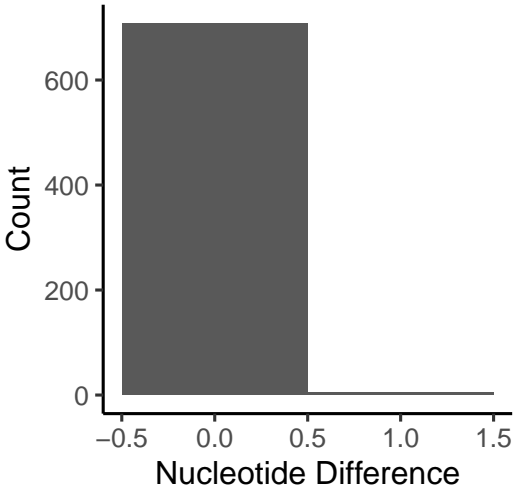
TRBV7-3*ap01

6877 sequences assigned
6811 (99%) exact matches, in which:
6717 unique CDR3
13 unique J



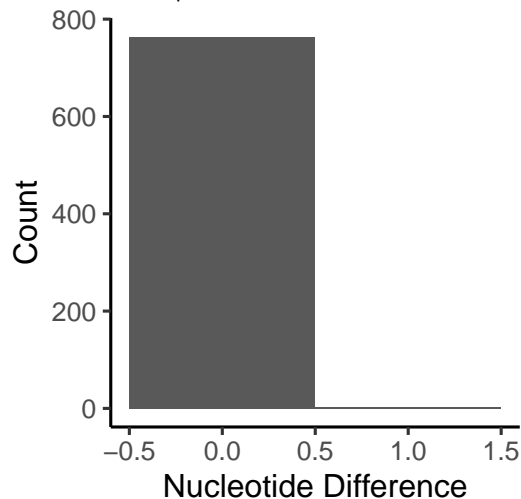
TRBV7-7*ap01

712 sequences assigned
708 (99.4%) exact matches, in which:
696 unique CDR3
13 unique J



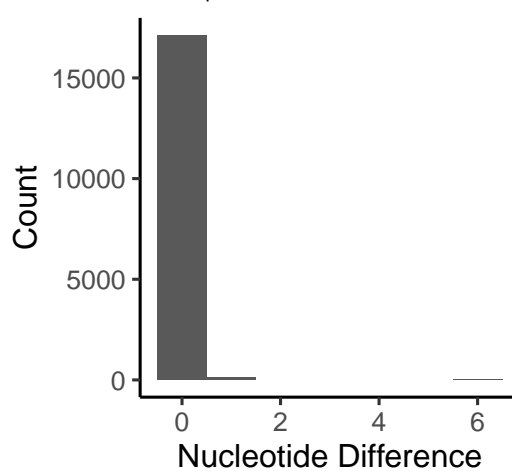
TRBV7-7*ap01_C315T

767 sequences assigned
764 (99.6%) exact matches, in which:
751 unique CDR3
13 unique J



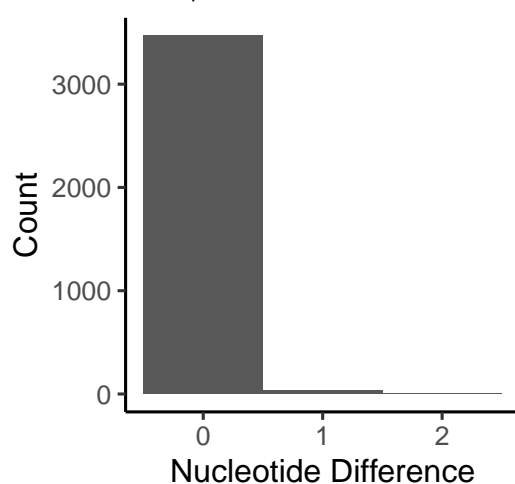
TRBV7-9*ap01

17262 sequences assigned
17125 (99.2%) exact matches, in which:
16905 unique CDR3
13 unique J



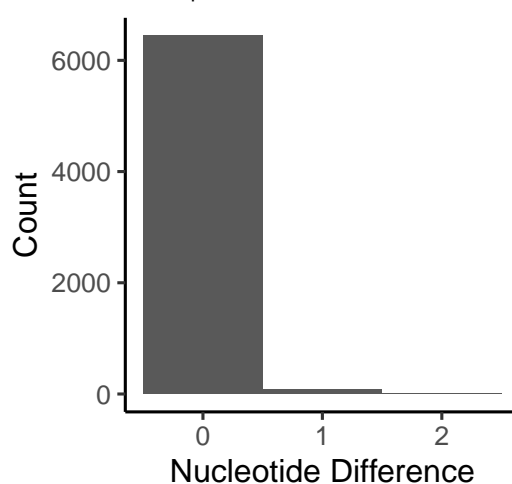
TRBV7-8*ap01

3505 sequences assigned
3469 (99%) exact matches, in which:
3382 unique CDR3
13 unique J



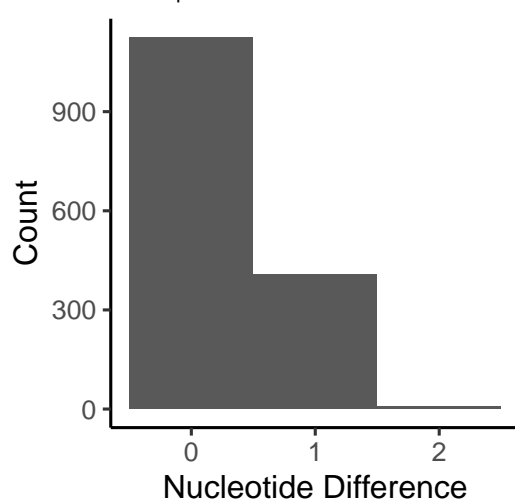
TRBV29-1*ap01

6532 sequences assigned
6443 (98.6%) exact matches, in which:
6275 unique CDR3
13 unique J



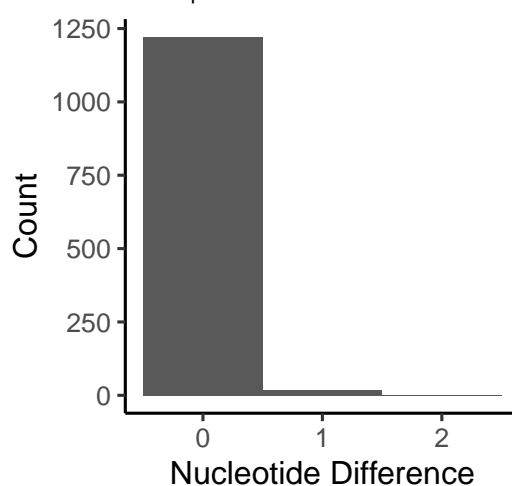
TRBV7-8*ap03

1540 sequences assigned
1125 (73.1%) exact matches, in which:
1103 unique CDR3
13 unique J

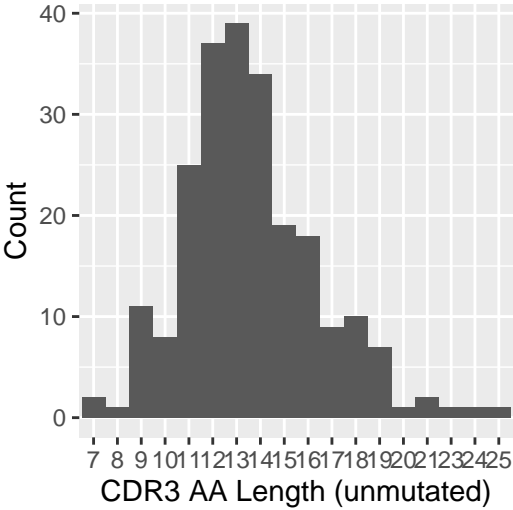


TRBV29-1*ap02

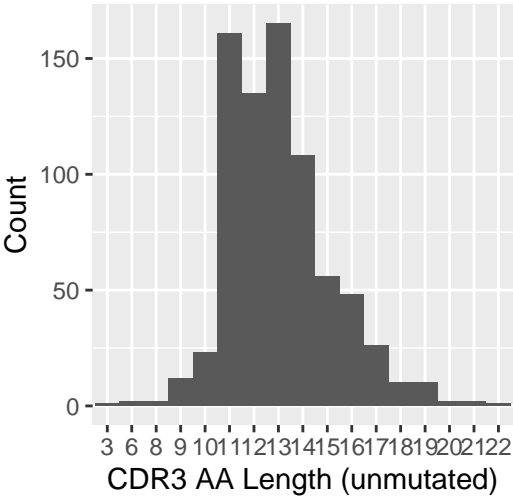
1241 sequences assigned
1221 (98.4%) exact matches, in which:
1187 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]