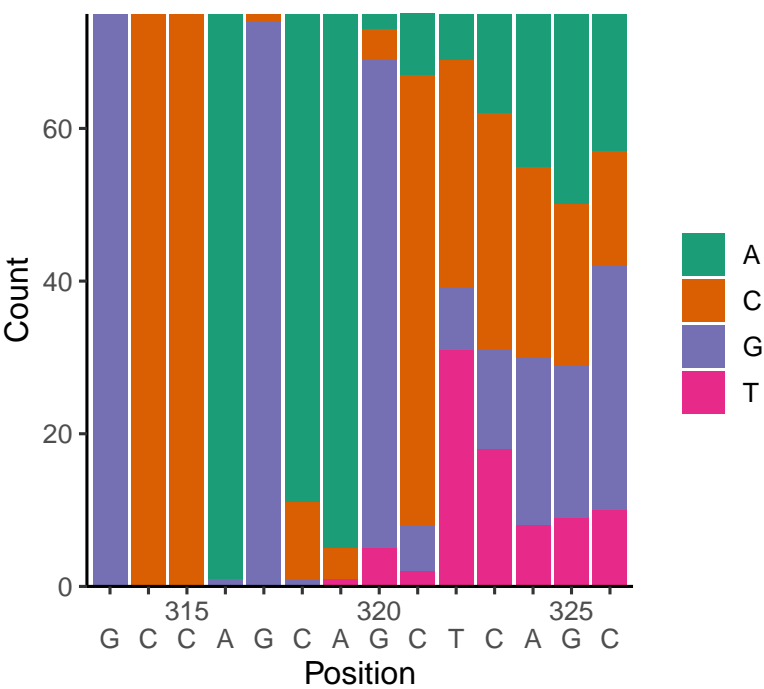
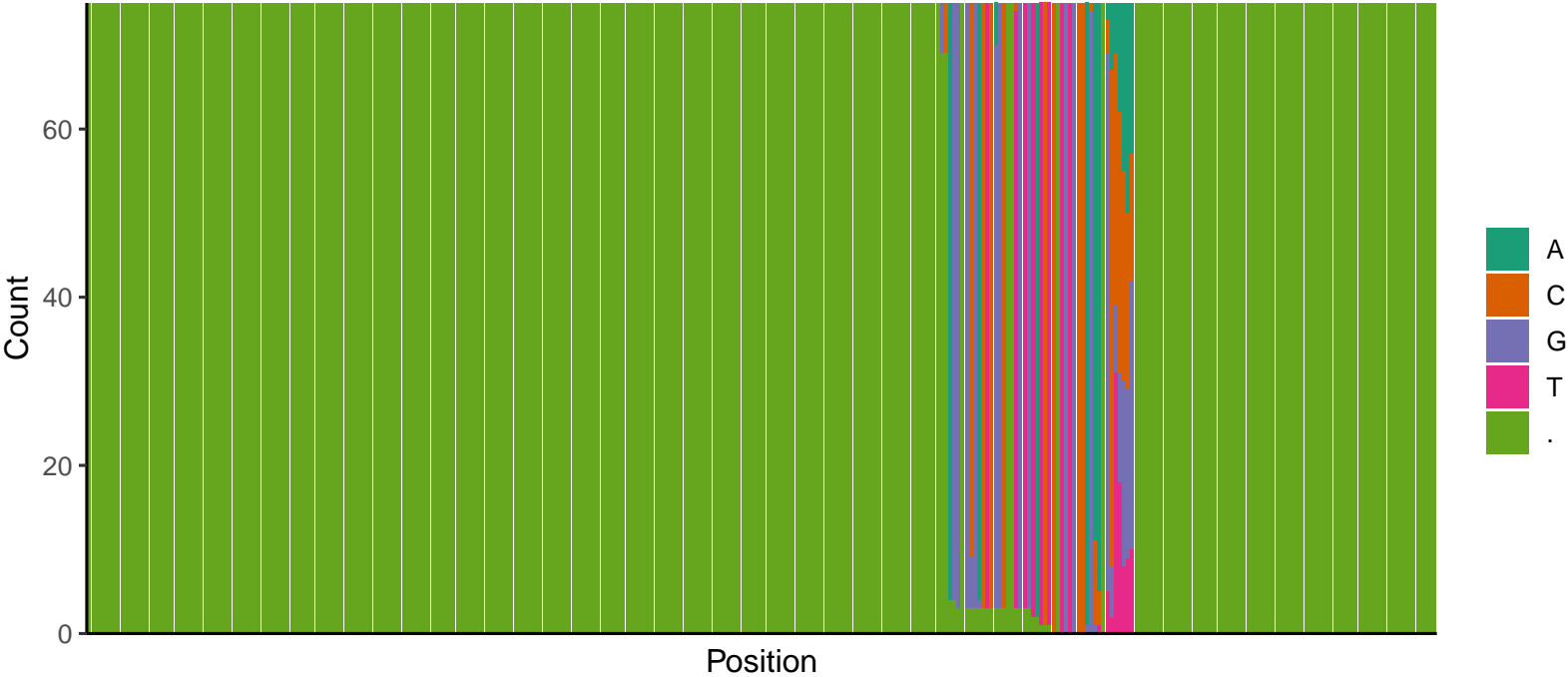


Gene TRBV7-1*ap01_T296C



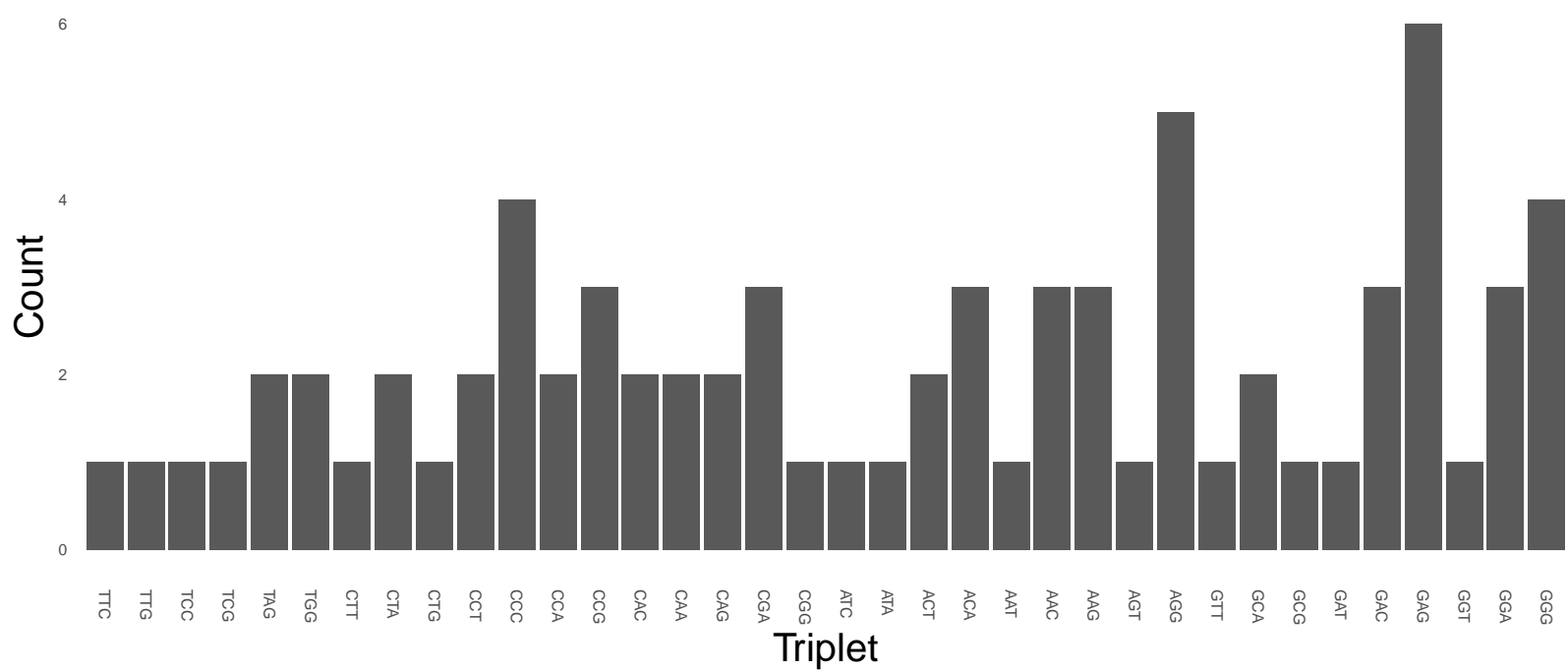
Gene TRBV7-1*ap01_T296C



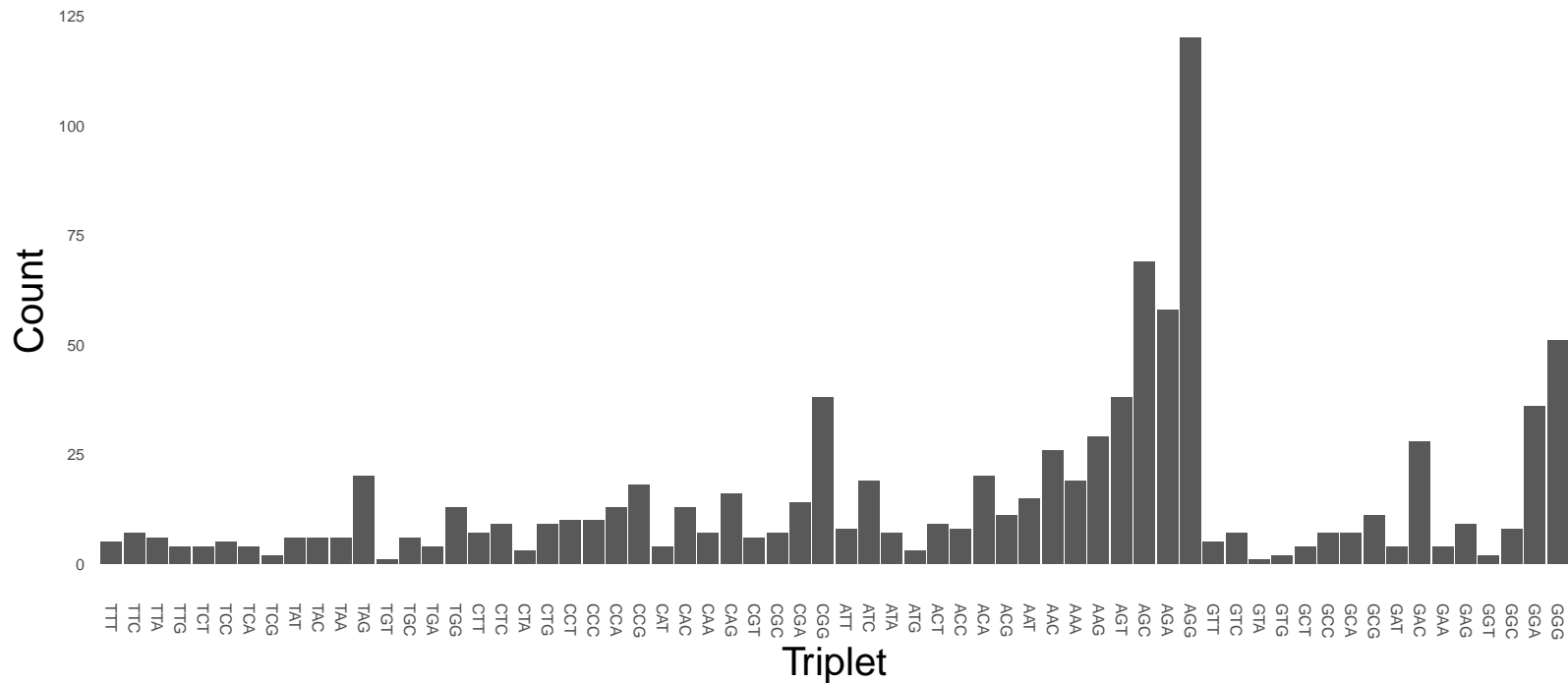
Gene TRBV7-7*ap01_C315T



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

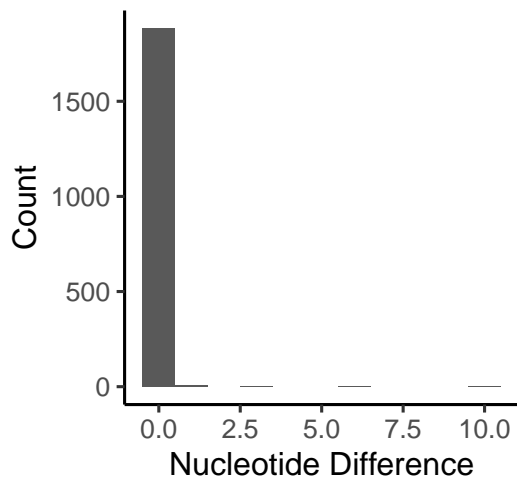


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



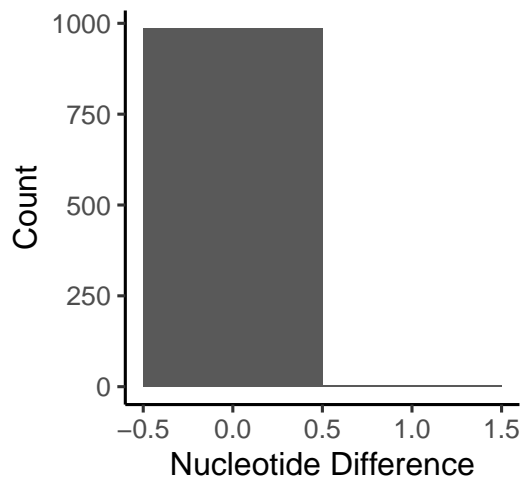
TRBV10-1*ap01

1896 sequences assigned
1883 (99.3%) exact matches, in which:
1866 unique CDR3
13 unique J



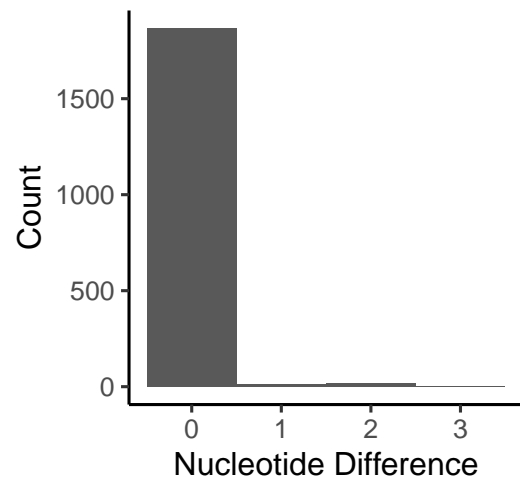
TRBV10-2*ap01

989 sequences assigned
986 (99.7%) exact matches, in which:
978 unique CDR3
13 unique J



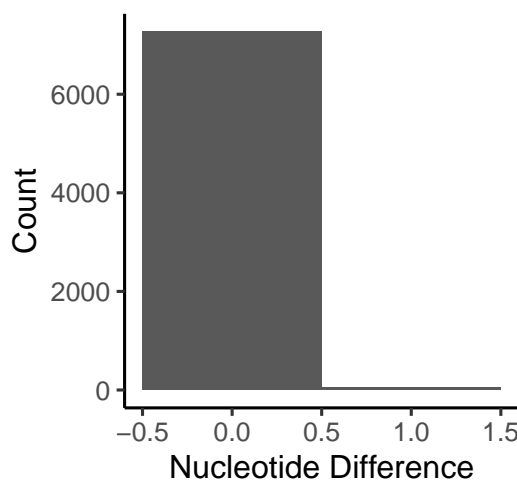
TRBV13*ap01

1897 sequences assigned
1866 (98.4%) exact matches, in which:
1841 unique CDR3
13 unique J



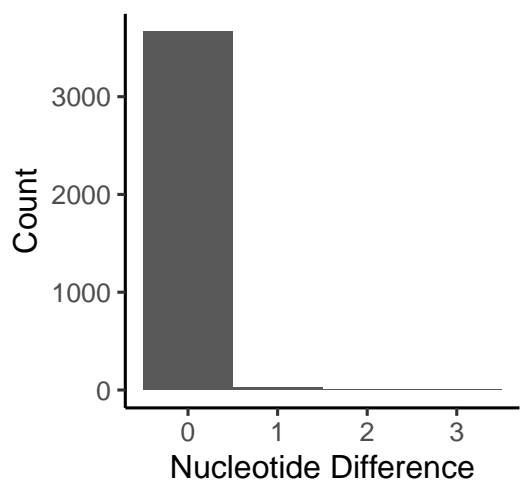
TRBV20-1*ap01

7316 sequences assigned
7268 (99.3%) exact matches, in which:
7221 unique CDR3
13 unique J



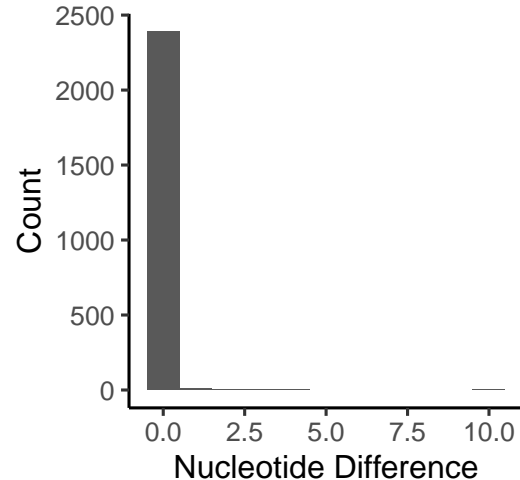
TRBV10-3*ap01

3693 sequences assigned
3664 (99.2%) exact matches, in which:
3639 unique CDR3
13 unique J



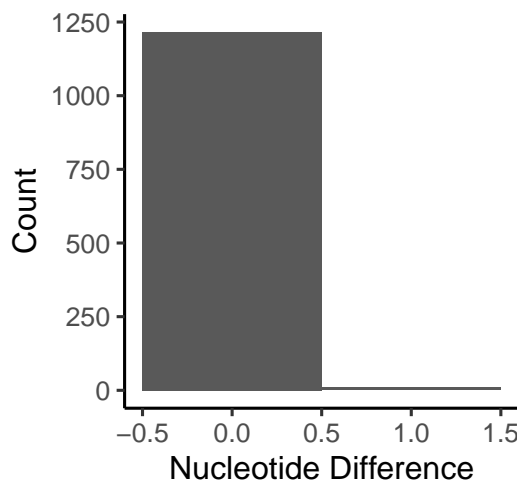
TRBV14*ap01

2406 sequences assigned
2389 (99.3%) exact matches, in which:
2377 unique CDR3
13 unique J



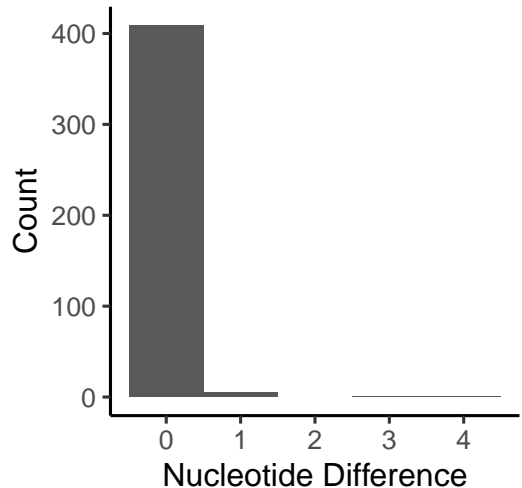
TRBV20-1*ap02

1225 sequences assigned
1216 (99.3%) exact matches, in which:
1211 unique CDR3
13 unique J



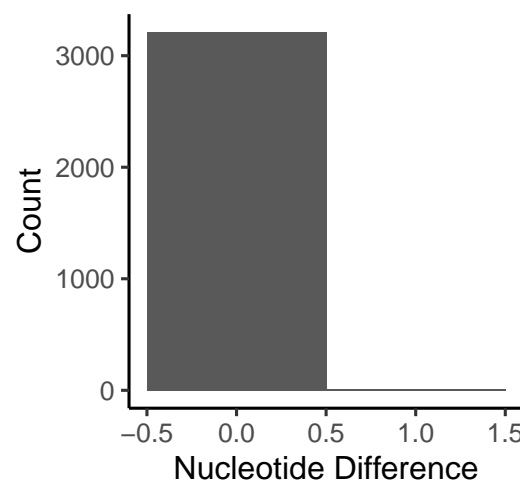
TRBV1*ap01

416 sequences assigned
409 (98.3%) exact matches, in which:
407 unique CDR3
13 unique J



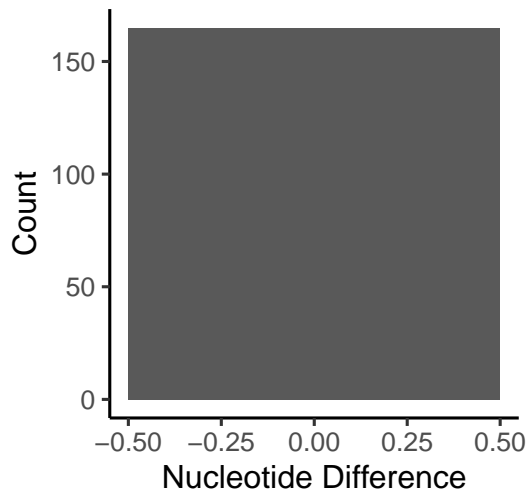
TRBV15*ap02

3224 sequences assigned
3212 (99.6%) exact matches, in which:
3198 unique CDR3
13 unique J



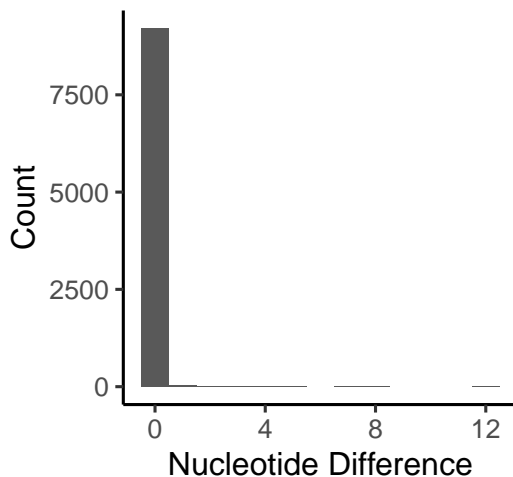
TRBV16*ap01

165 sequences assigned
165 (100%) exact matches, in which:
163 unique CDR3
13 unique J



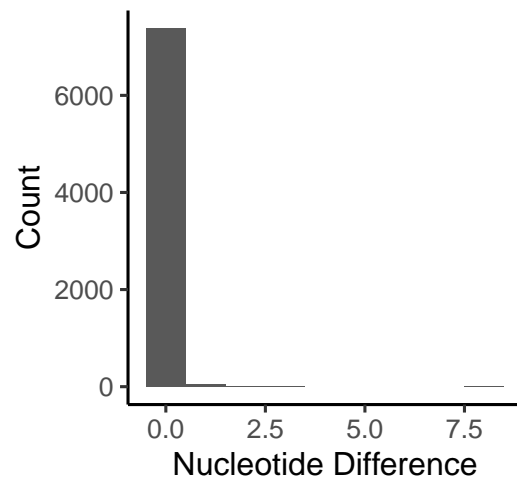
TRBV19*ap01

9260 sequences assigned
9206 (99.4%) exact matches, in which:
9182 unique CDR3
13 unique J



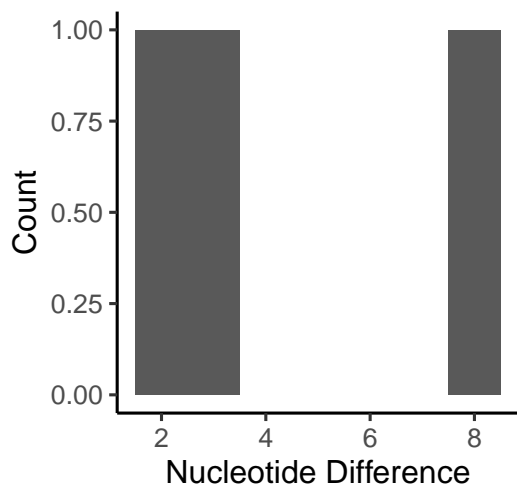
TRBV27*ap01

7430 sequences assigned
7379 (99.3%) exact matches, in which:
7330 unique CDR3
13 unique J



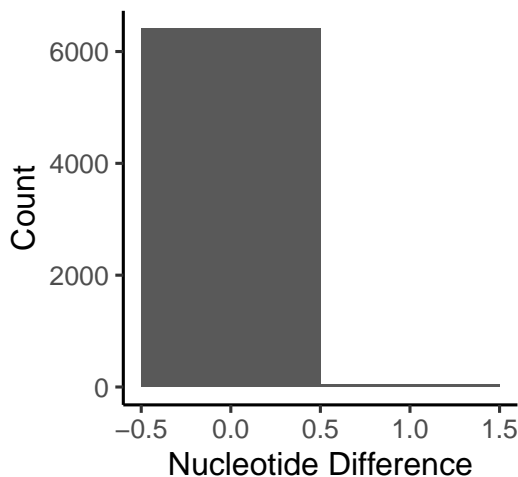
TRBV17*ap01

3 sequences assigned
No exact matches.



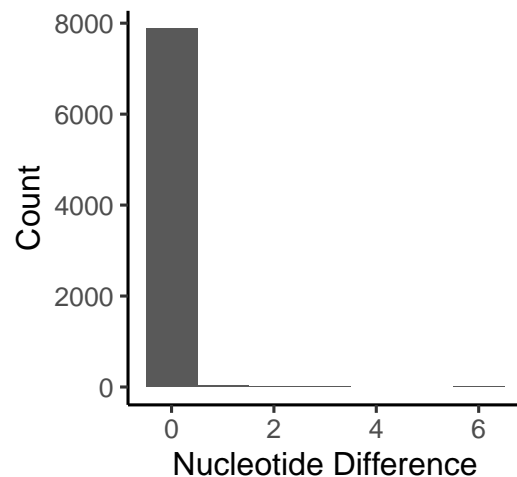
TRBV2*ap01

6448 sequences assigned
6408 (99.4%) exact matches, in which:
6362 unique CDR3
13 unique J



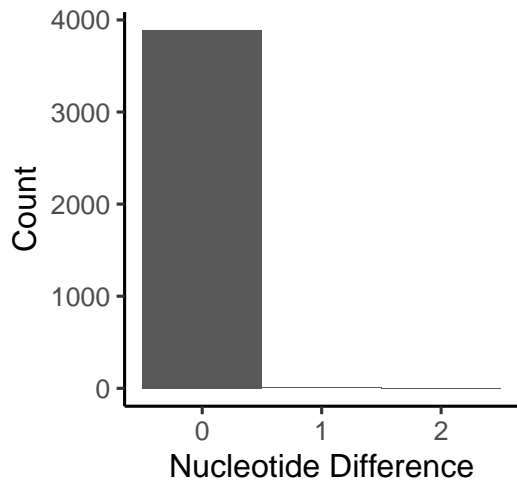
TRBV28*ap01

7923 sequences assigned
7878 (99.4%) exact matches, in which:
7843 unique CDR3
13 unique J



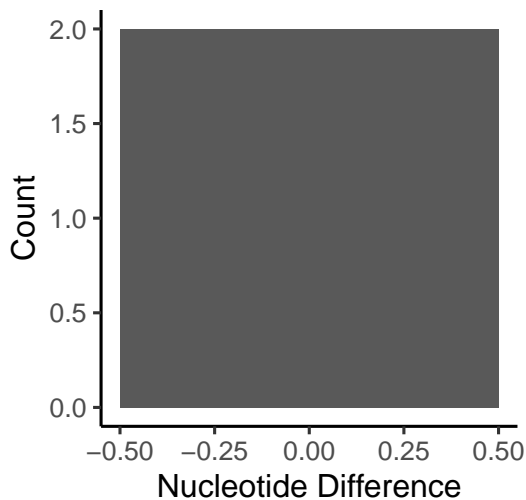
TRBV18*ap01

3898 sequences assigned
3890 (99.8%) exact matches, in which:
3880 unique CDR3
13 unique J



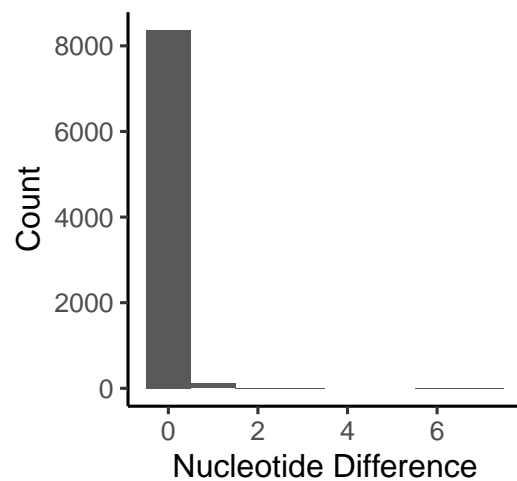
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



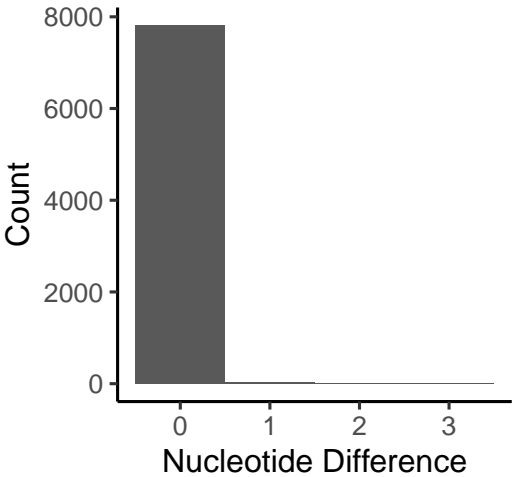
TRBV30*ap01

8487 sequences assigned
8369 (98.6%) exact matches, in which:
8241 unique CDR3
13 unique J



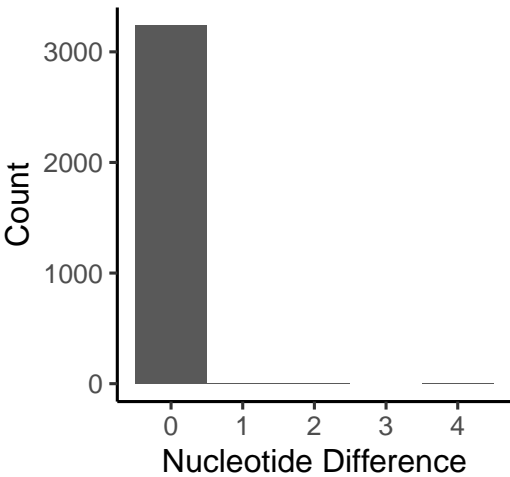
TRBV9*ap01

7850 sequences assigned
7812 (99.5%) exact matches, in which:
7783 unique CDR3
13 unique J



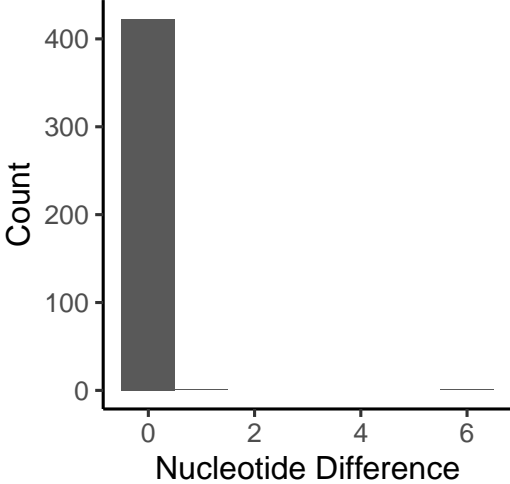
TRBV11-2*ap01

3248 sequences assigned
3239 (99.7%) exact matches, in which:
3229 unique CDR3
13 unique J



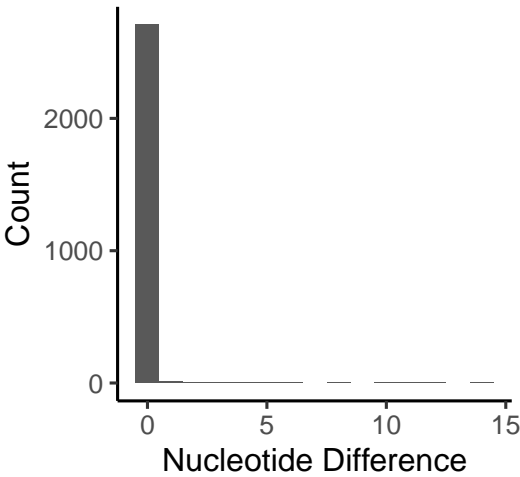
TRBV12-2*ap01

425 sequences assigned
423 (99.5%) exact matches, in which:
421 unique CDR3
13 unique J



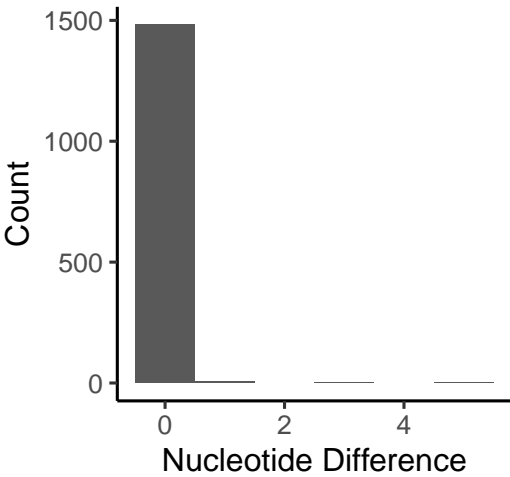
TRBV21-1*ap01

2736 sequences assigned
2708 (99%) exact matches, in which:
2695 unique CDR3
13 unique J



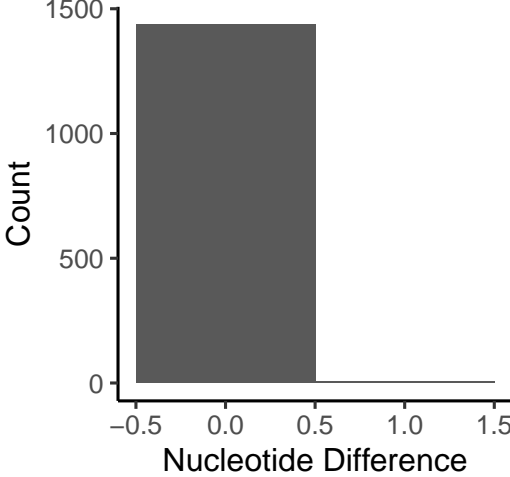
TRBV11-3*ap01

1490 sequences assigned
1482 (99.5%) exact matches, in which:
1477 unique CDR3
13 unique J



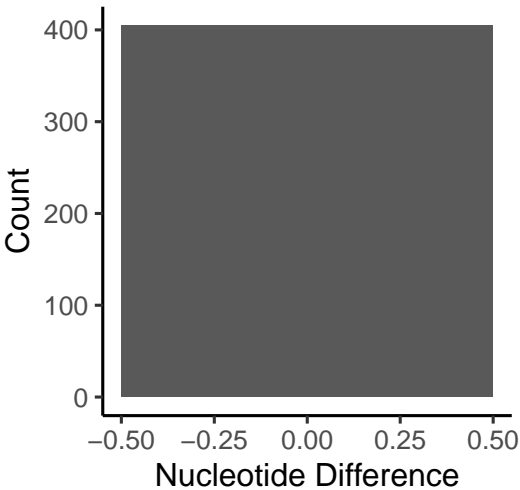
TRBV12-5*ap01

1442 sequences assigned
1436 (99.6%) exact matches, in which:
1426 unique CDR3
13 unique J



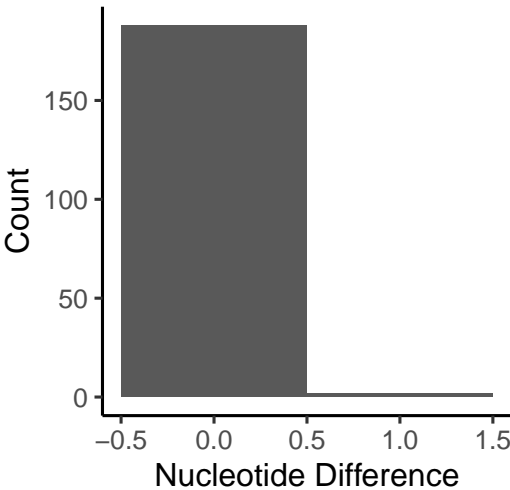
TRBV11-1*ap01

405 sequences assigned
405 (100%) exact matches, in which:
404 unique CDR3
13 unique J



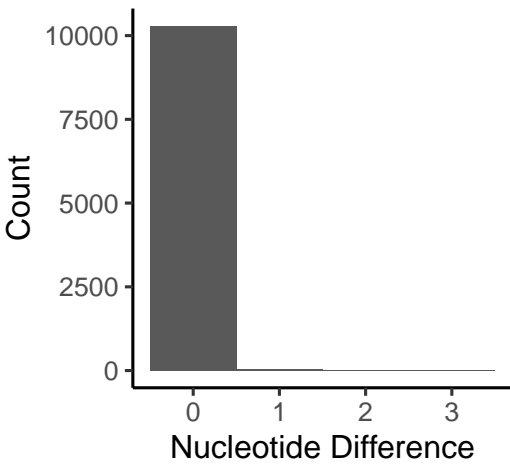
TRBV12-1*ap01

190 sequences assigned
188 (98.9%) exact matches, in which:
186 unique CDR3
13 unique J



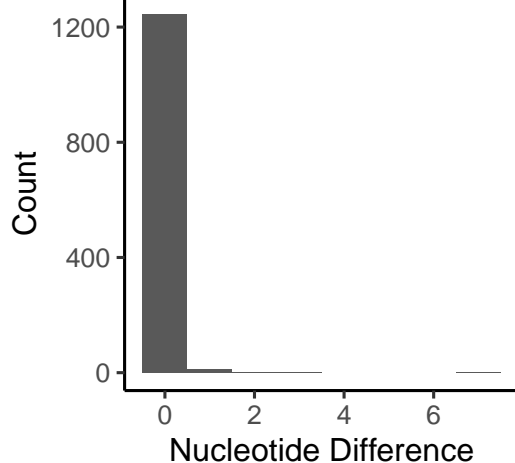
TRBV12-34*ap01

10348 sequences assigned
10293 (99.5%) exact matches, in which:
10226 unique CDR3
13 unique J



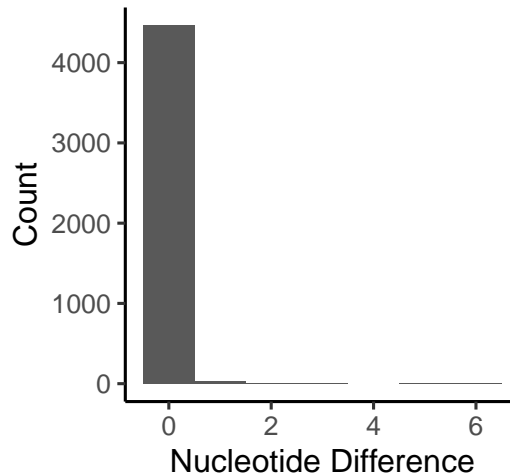
TRBV23-1*ap01

1260 sequences assigned
1244 (98.7%) exact matches, in which:
1242 unique CDR3
13 unique J



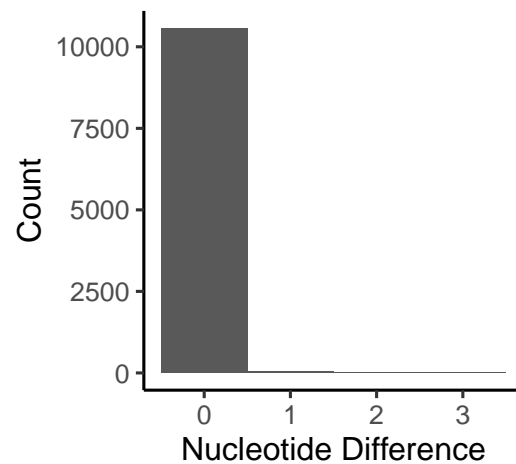
TRBV4-1*ap01

4496 sequences assigned
4464 (99.3%) exact matches, in which:
4427 unique CDR3
13 unique J



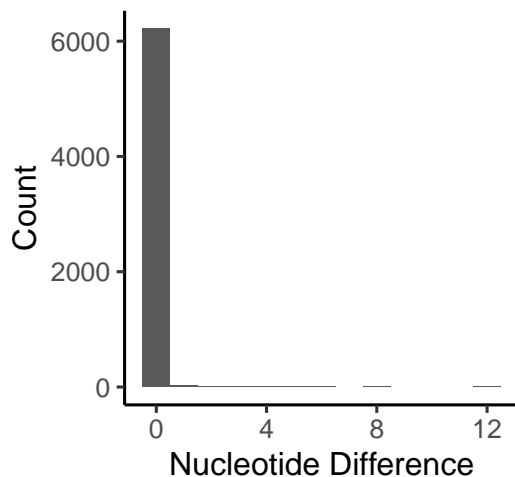
TRBV5-1*ap01

10633 sequences assigned
10572 (99.4%) exact matches, in which:
10475 unique CDR3
13 unique J



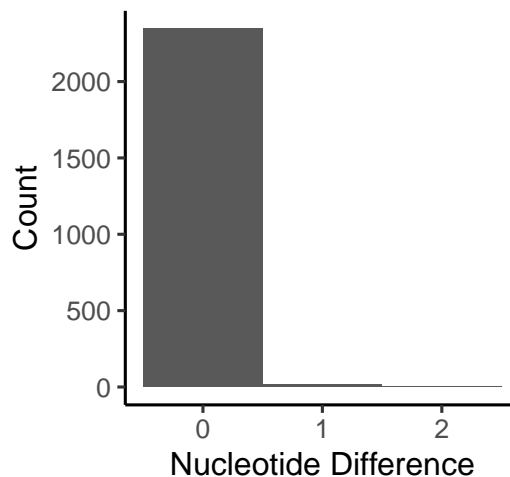
TRBV3-12*ap01

6257 sequences assigned
6216 (99.3%) exact matches, in which:
6187 unique CDR3
13 unique J



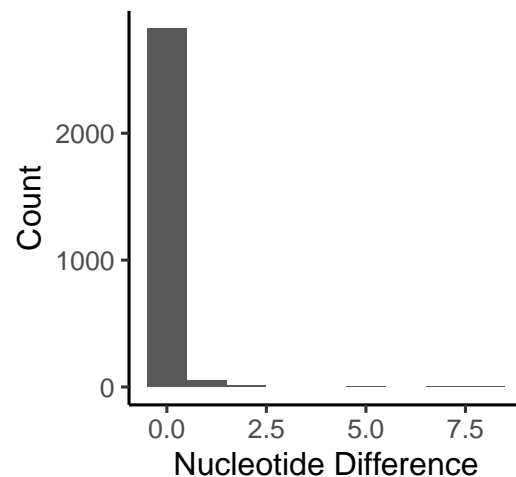
TRBV4-2*ap01

2363 sequences assigned
2346 (99.3%) exact matches, in which:
2320 unique CDR3
13 unique J



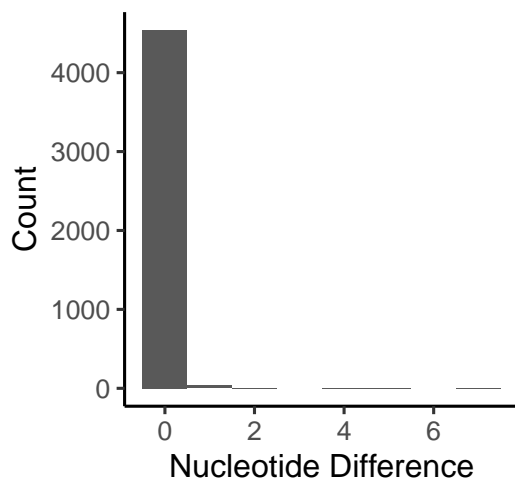
TRBV25-1*ap01

2885 sequences assigned
2824 (97.9%) exact matches, in which:
2795 unique CDR3
13 unique J



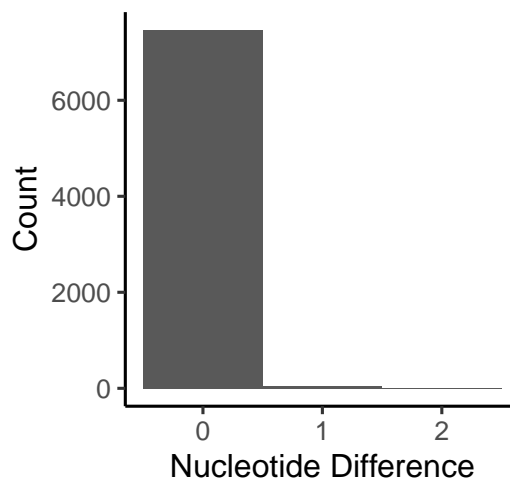
TRBV24-1*ap01

4589 sequences assigned
4540 (98.9%) exact matches, in which:
4506 unique CDR3
13 unique J



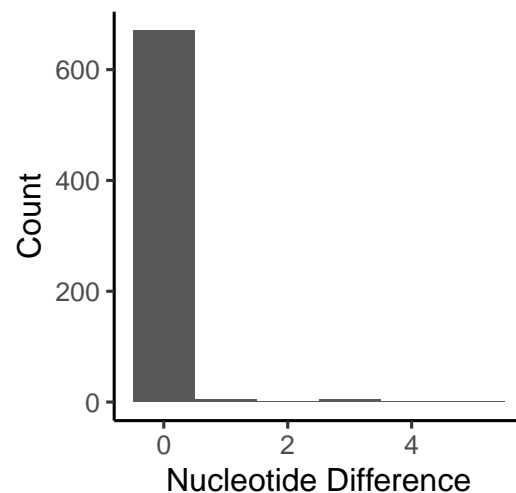
TRBV4-3*ap01

7510 sequences assigned
7463 (99.4%) exact matches, in which:
7414 unique CDR3
13 unique J



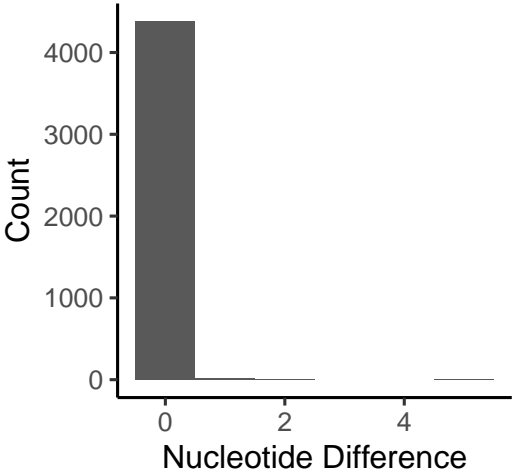
TRBV5-3*ap01

682 sequences assigned
671 (98.4%) exact matches, in which:
666 unique CDR3
13 unique J



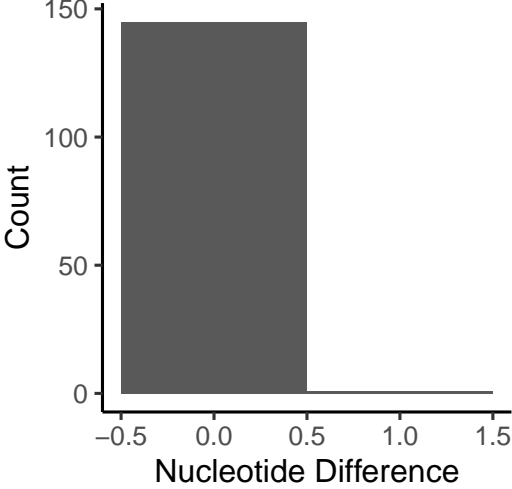
TRBV5-4*ap01

4402 sequences assigned
4380 (99.5%) exact matches, in which:
4348 unique CDR3
13 unique J



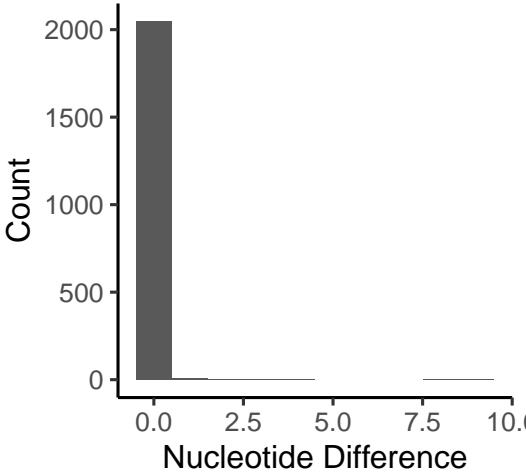
TRBV5-7*ap01

146 sequences assigned
145 (99.3%) exact matches, in which:
142 unique CDR3
13 unique J



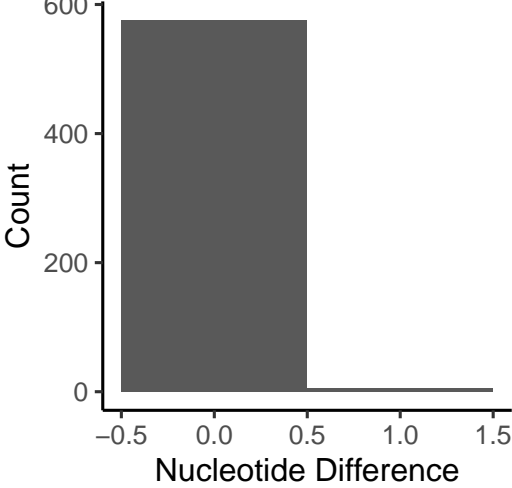
TRBV6-4*ap01

2067 sequences assigned
2047 (99%) exact matches, in which:
2033 unique CDR3
13 unique J



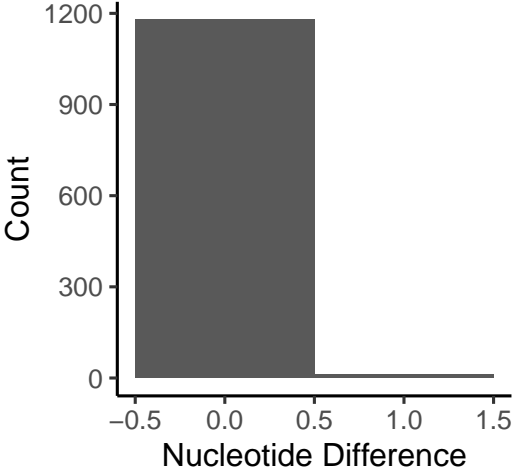
TRBV5-5*ap01

581 sequences assigned
576 (99.1%) exact matches, in which:
576 unique CDR3
13 unique J



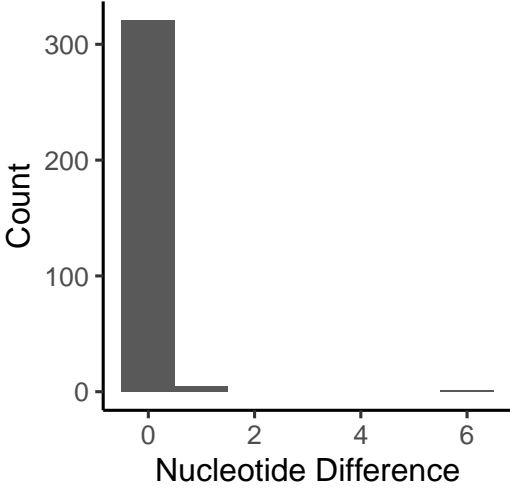
TRBV5-8*ap01

1191 sequences assigned
1179 (99%) exact matches, in which:
1173 unique CDR3
13 unique J



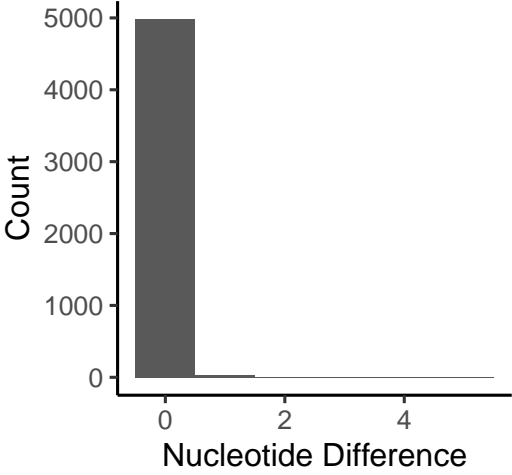
TRBV6-7*ap01

327 sequences assigned
321 (98.2%) exact matches, in which:
315 unique CDR3
13 unique J



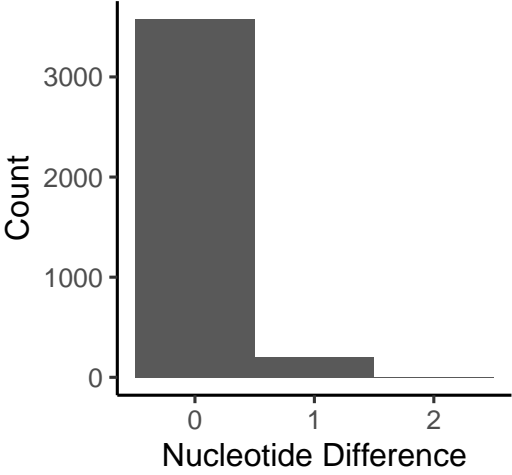
TRBV5-6*ap01

5024 sequences assigned
4984 (99.2%) exact matches, in which:
4910 unique CDR3
13 unique J



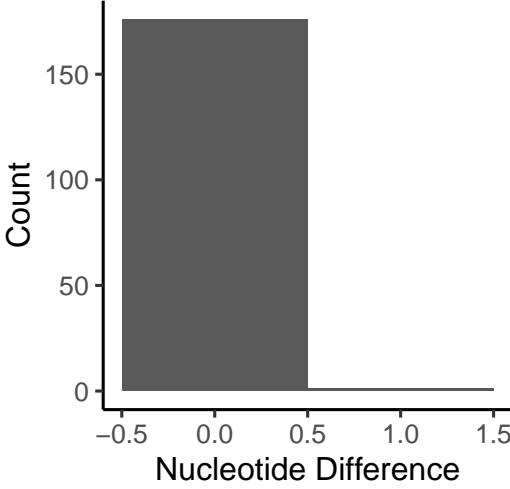
TRBV6-1*ap01

3787 sequences assigned
3578 (94.5%) exact matches, in which:
3533 unique CDR3
13 unique J



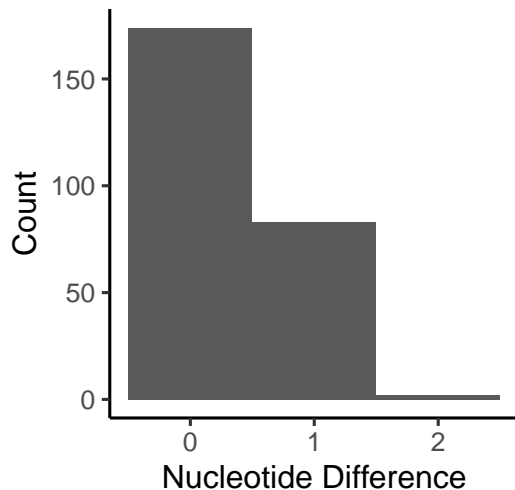
TRBV6-8*ap01

177 sequences assigned
176 (99.4%) exact matches, in which:
175 unique CDR3
13 unique J



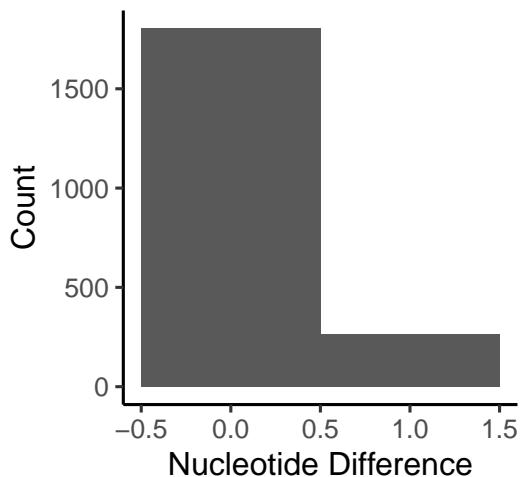
TRBV6-9*ap01

259 sequences assigned
174 (67.2%) exact matches, in which:
172 unique CDR3
13 unique J



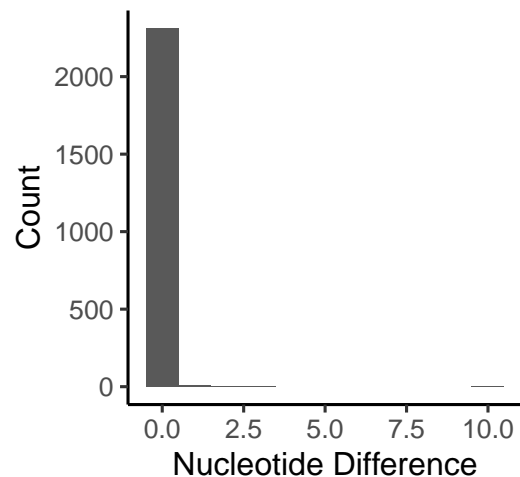
TRBV6-56*ap02

2067 sequences assigned
1804 (87.3%) exact matches, in which:
1780 unique CDR3
14 unique J



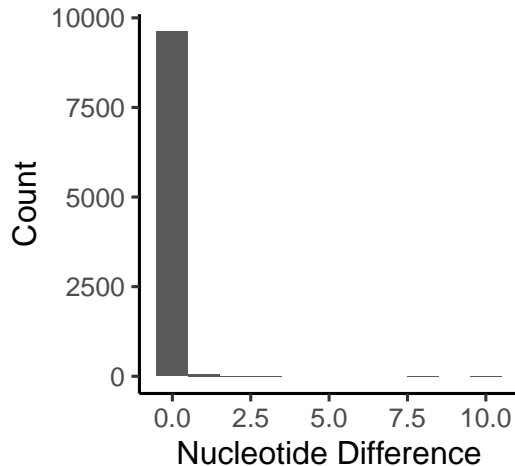
TRBV7-3*ap01

2322 sequences assigned
2311 (99.5%) exact matches, in which:
2305 unique CDR3
13 unique J



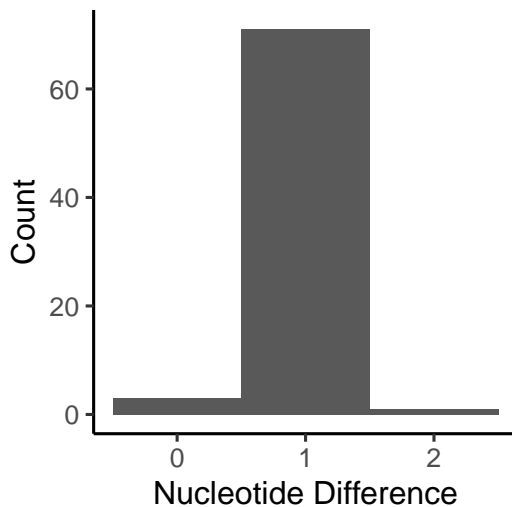
TRBV6-23*ap01

9697 sequences assigned
9620 (99.2%) exact matches, in which:
9470 unique CDR3
13 unique J



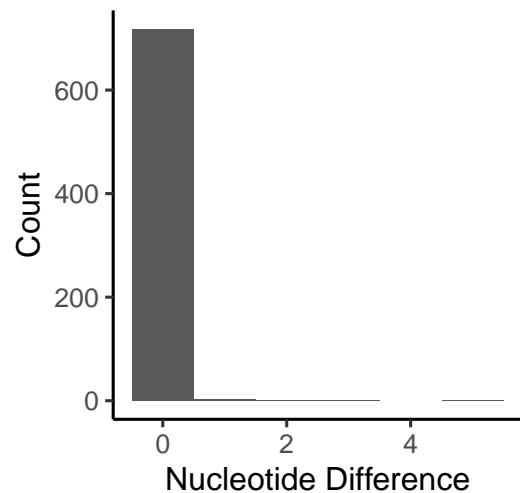
TRBV7-1*ap01_T296C

75 sequences assigned
3 (4%) exact matches, in which:
3 unique CDR3
3 unique J



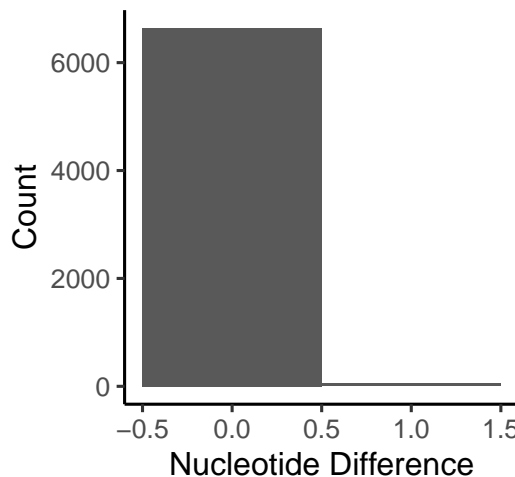
TRBV7-3*ap02

723 sequences assigned
718 (99.3%) exact matches, in which:
716 unique CDR3
13 unique J



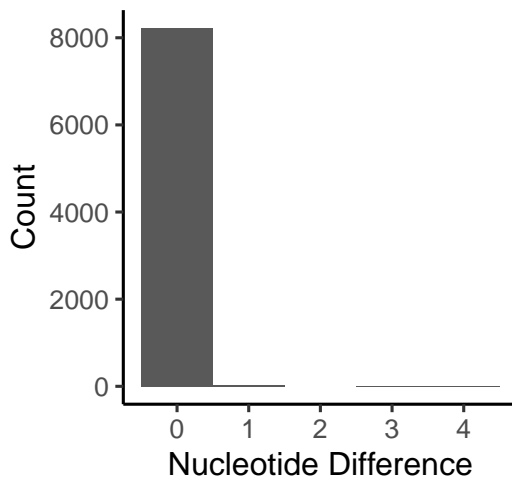
TRBV6-56*ap01

6693 sequences assigned
6641 (99.2%) exact matches, in which:
6557 unique CDR3
13 unique J



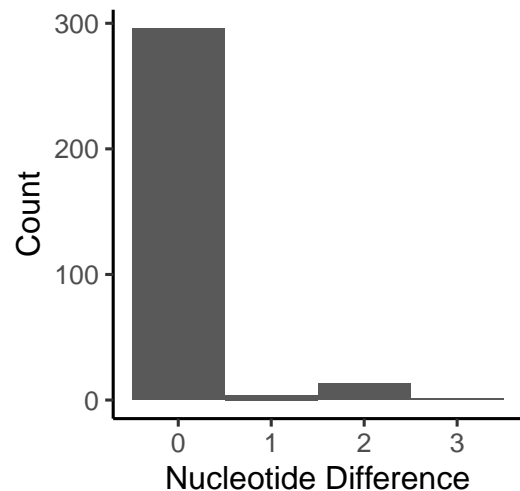
TRBV7-2*ap01

8258 sequences assigned
8223 (99.6%) exact matches, in which:
8186 unique CDR3
13 unique J



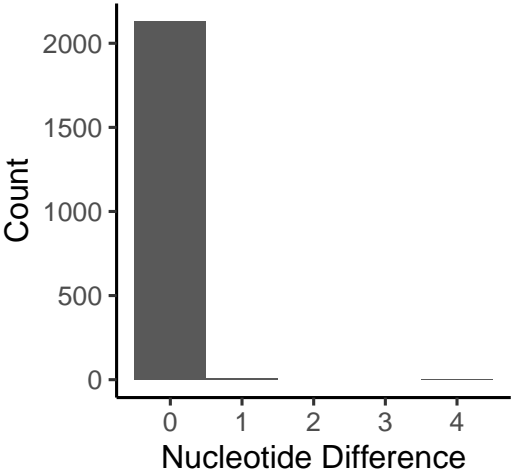
TRBV7-4*ap01

314 sequences assigned
296 (94.3%) exact matches, in which:
296 unique CDR3
13 unique J



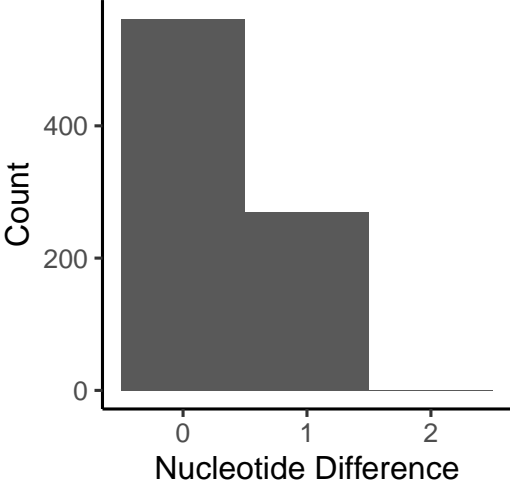
TRBV7-6*ap01

2137 sequences assigned
2130 (99.7%) exact matches, in which:
2120 unique CDR3
13 unique J



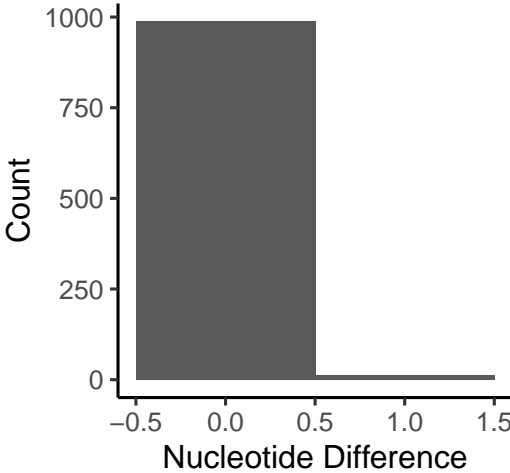
TRBV7-8*ap03

833 sequences assigned
562 (67.5%) exact matches, in which:
560 unique CDR3
13 unique J



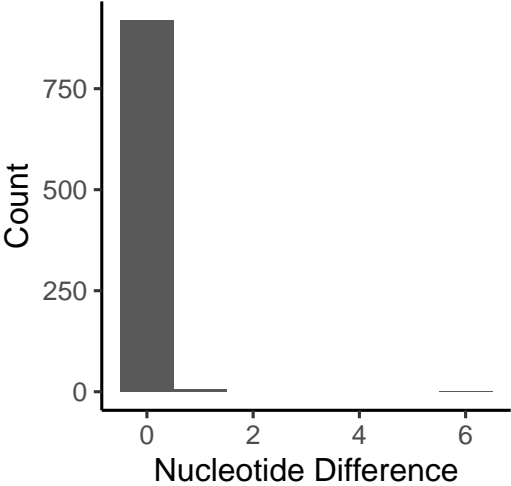
TRBV29-1*ap02

1000 sequences assigned
988 (98.8%) exact matches, in which:
976 unique CDR3
13 unique J



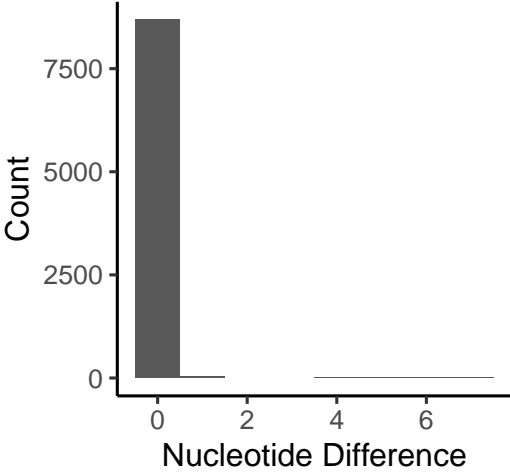
TRBV7-7*ap01_C315T

928 sequences assigned
920 (99.1%) exact matches, in which:
917 unique CDR3
13 unique J



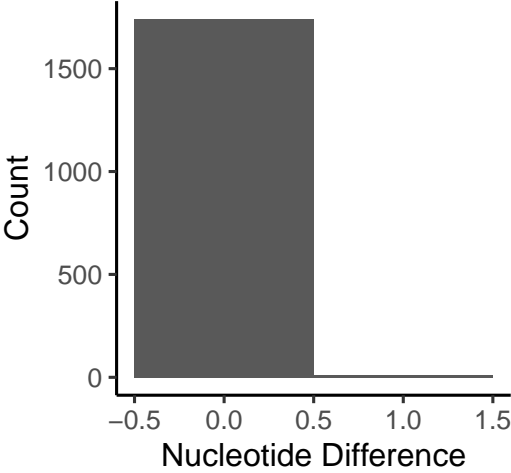
TRBV7-9*ap01

8735 sequences assigned
8686 (99.4%) exact matches, in which:
8645 unique CDR3
13 unique J



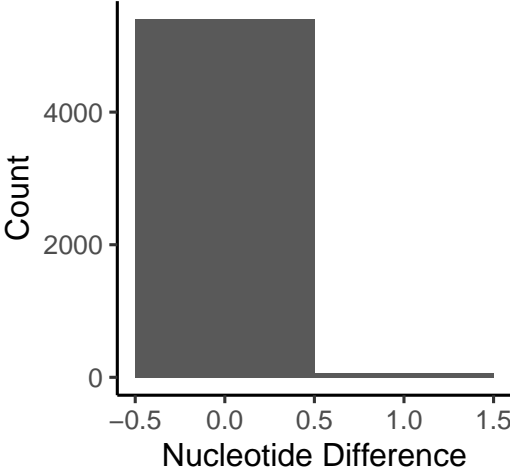
TRBV7-8*ap01

1751 sequences assigned
1741 (99.4%) exact matches, in which:
1734 unique CDR3
13 unique J

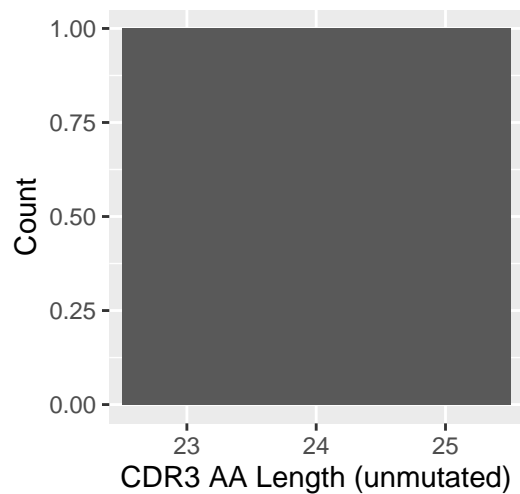


TRBV29-1*ap01

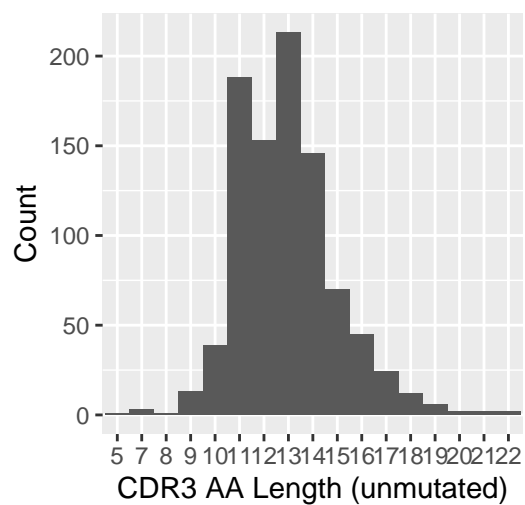
5466 sequences assigned
5404 (98.9%) exact matches, in which:
5320 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]