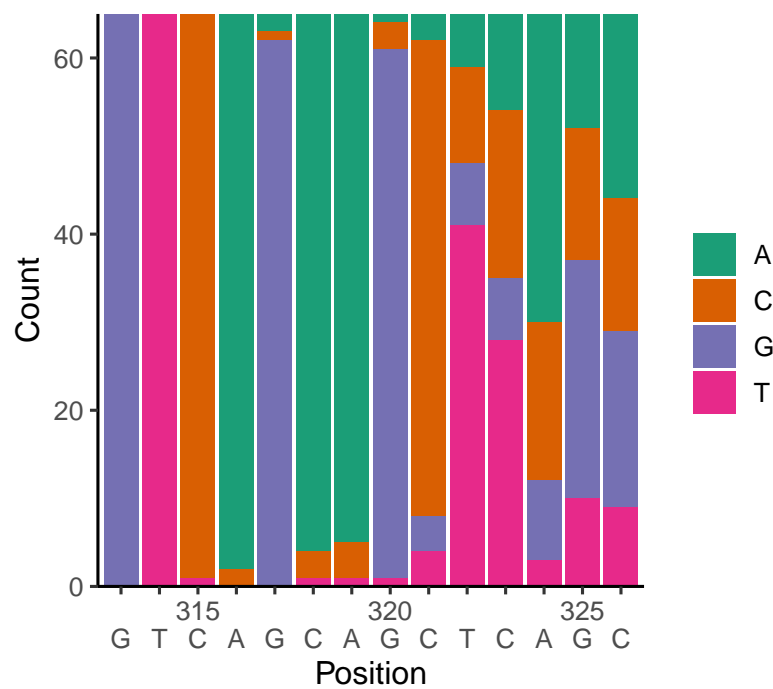
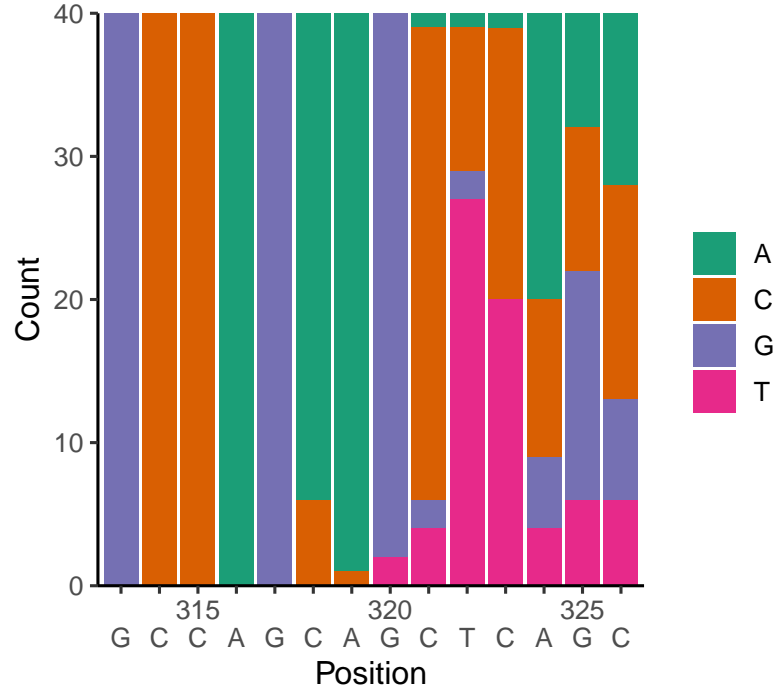


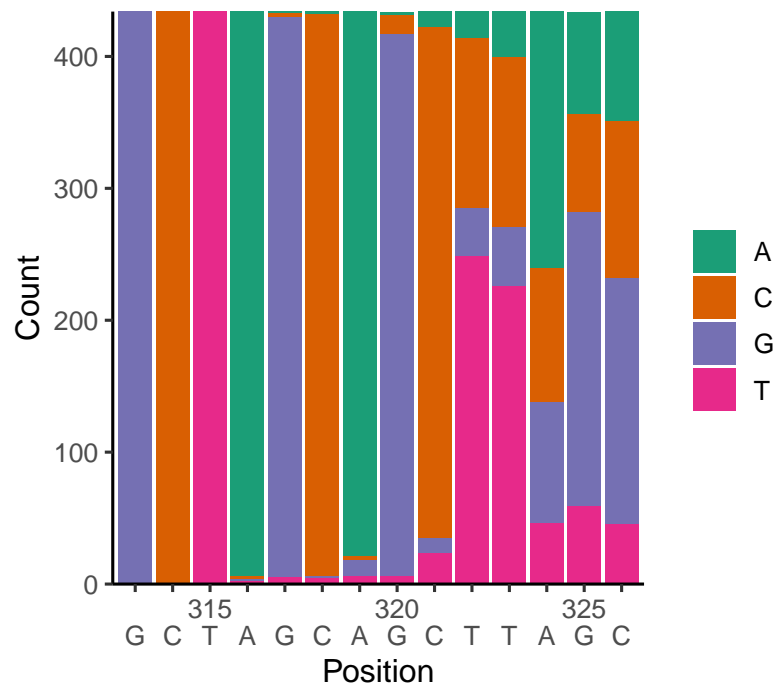
Gene TRBV7-1*ap01_G291C_T296C_C314T



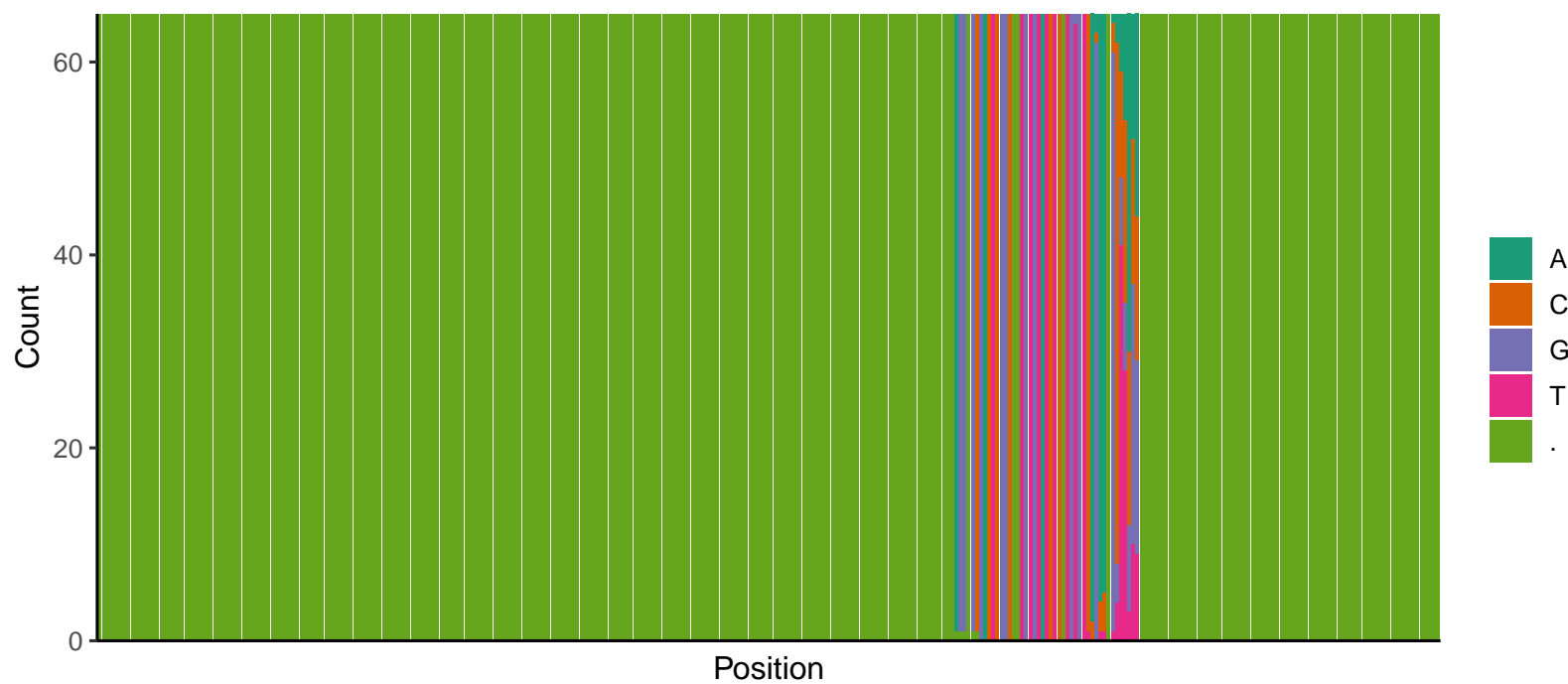
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



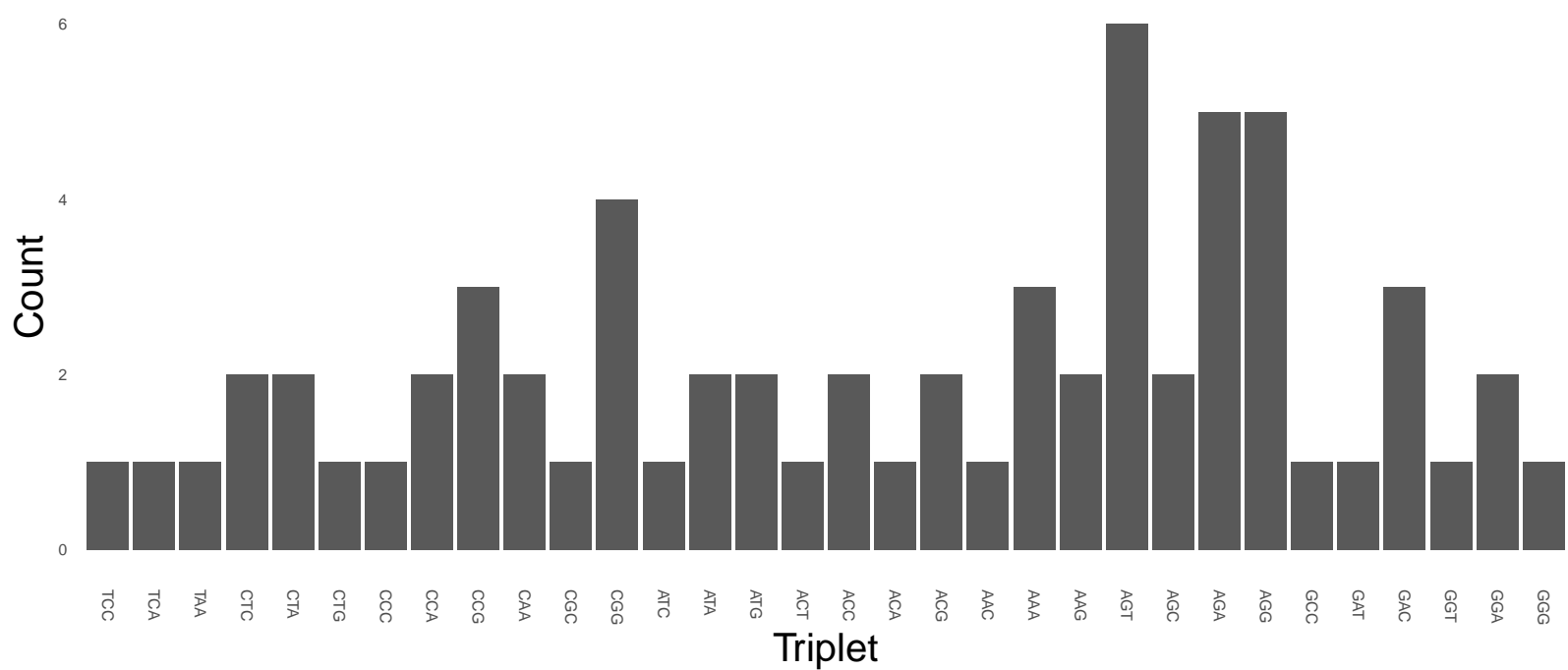
Gene TRBV7-1*ap01_G291C_T296C



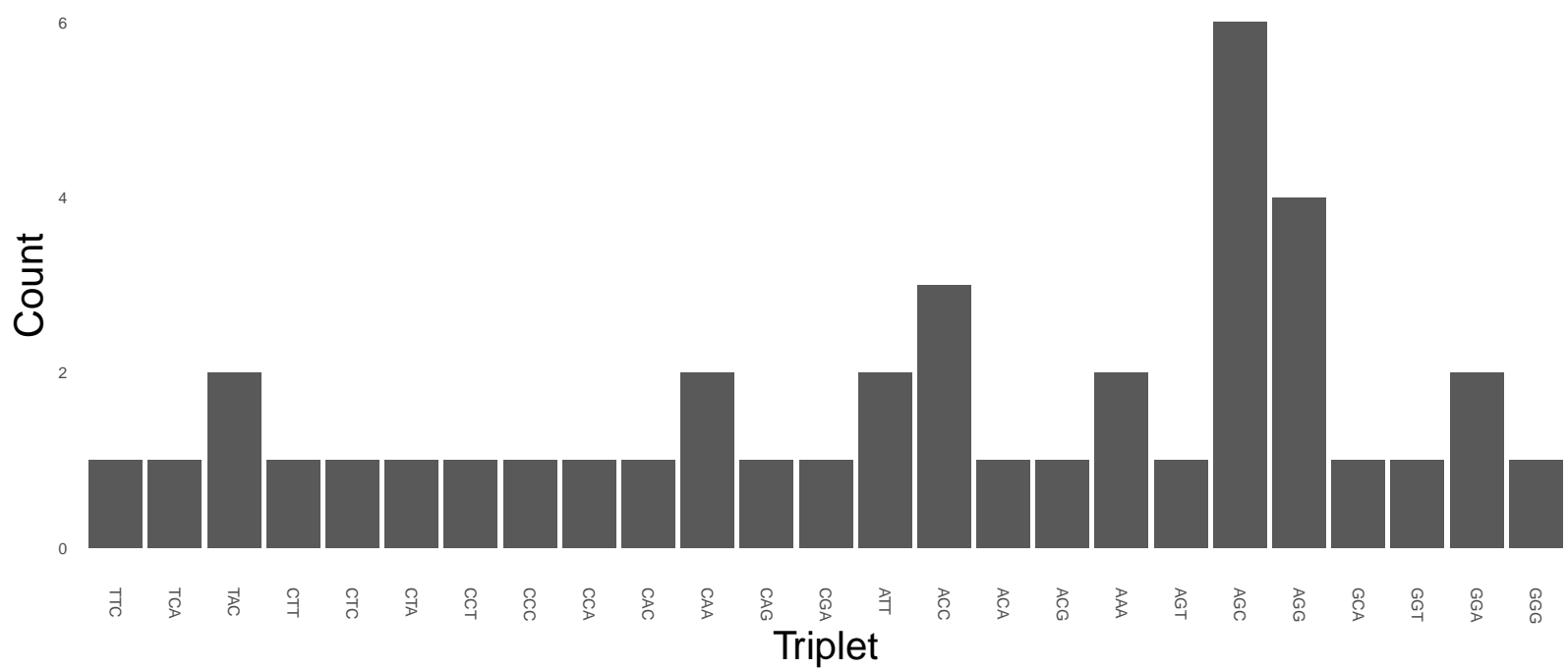
Gene TRBV7-7*ap01_C315T



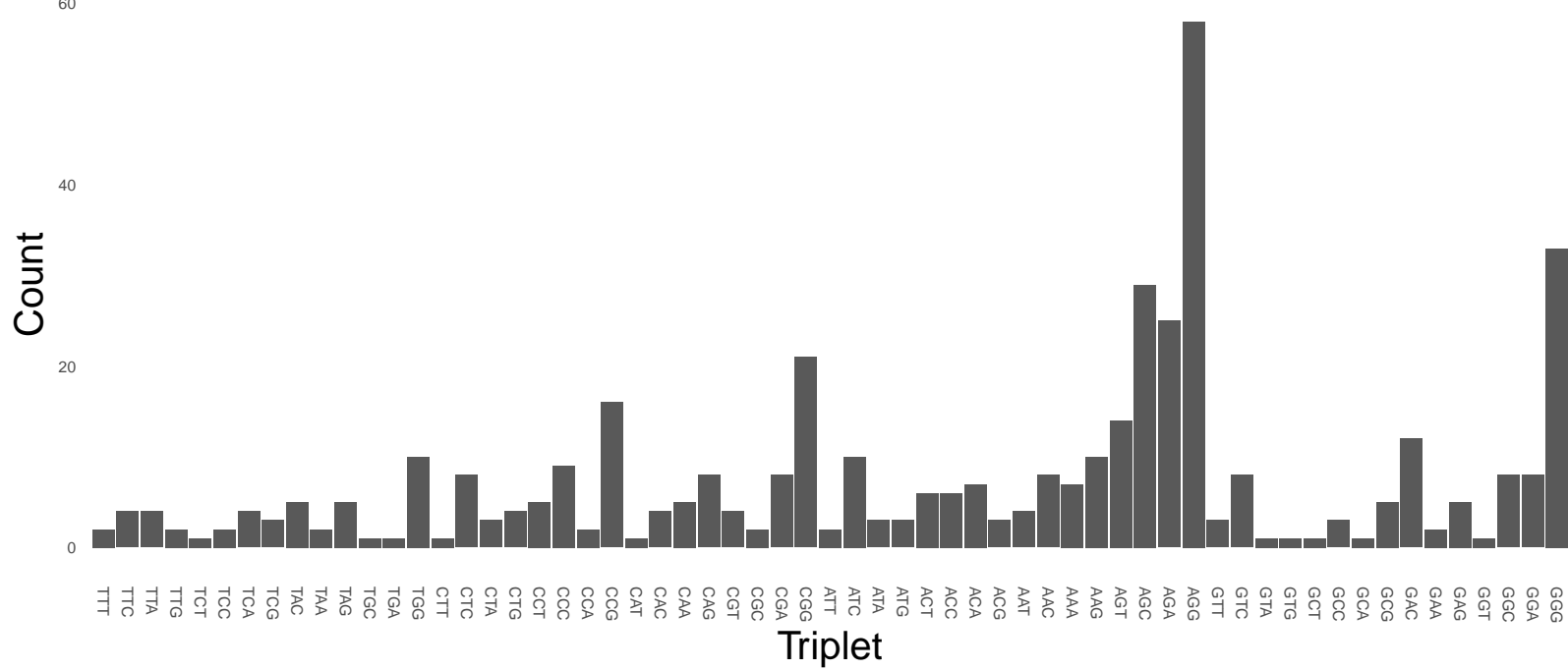
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

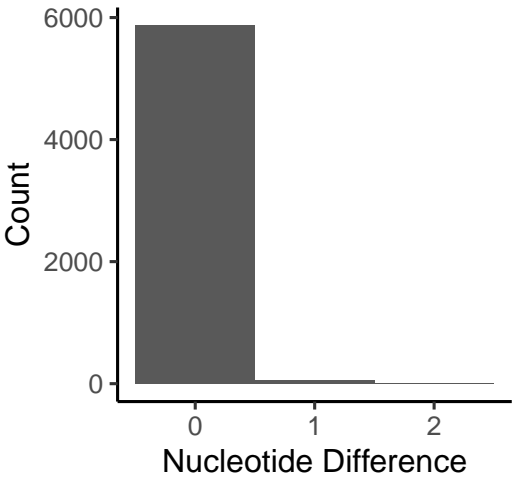


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



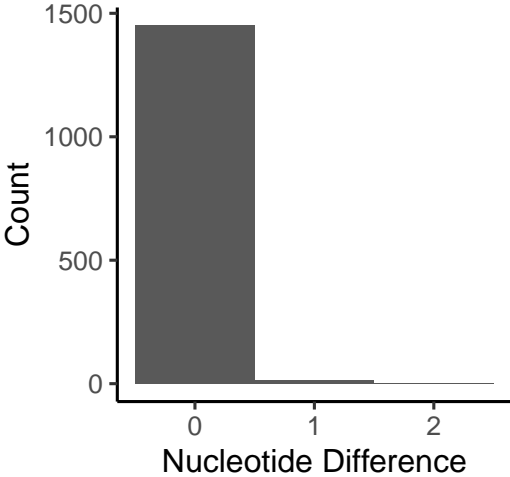
TRBV20-1*ap01

5932 sequences assigned
5871 (99%) exact matches, in which:
5811 unique CDR3
13 unique J



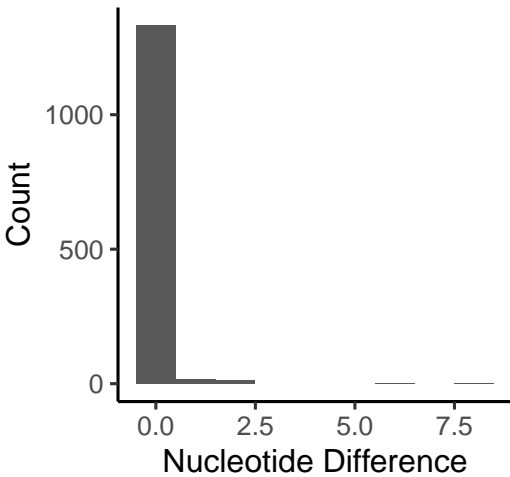
TRBV10-2*ap01

1465 sequences assigned
1451 (99%) exact matches, in which:
1413 unique CDR3
13 unique J



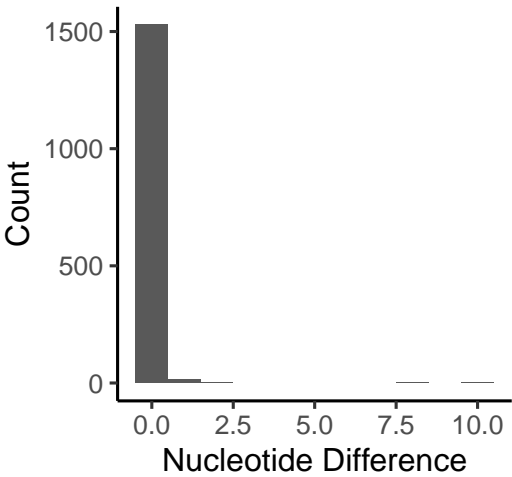
TRBV13*ap01

1364 sequences assigned
1332 (97.7%) exact matches, in which:
1290 unique CDR3
13 unique J



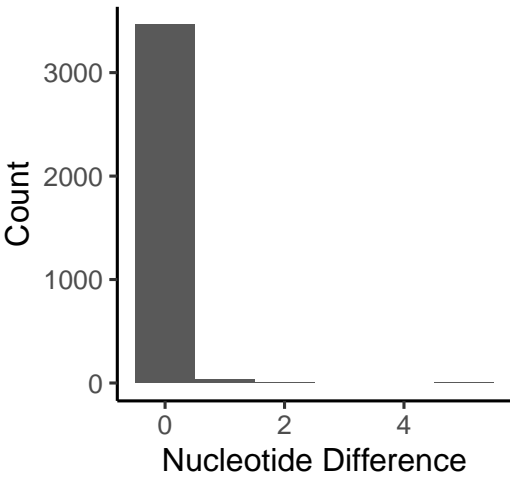
TRBV10-1*ap01

1545 sequences assigned
1529 (99%) exact matches, in which:
1505 unique CDR3
13 unique J



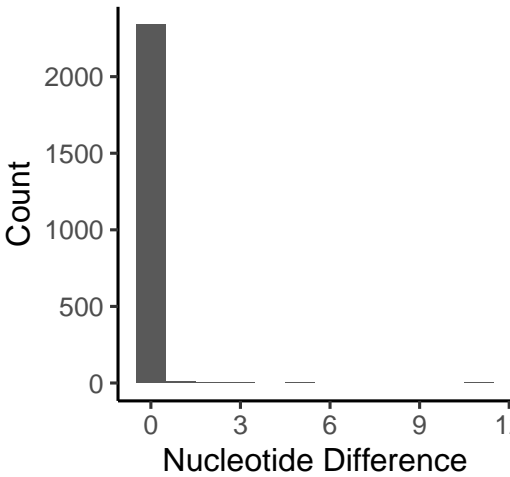
TRBV10-3*ap01

3503 sequences assigned
3463 (98.9%) exact matches, in which:
3411 unique CDR3
13 unique J



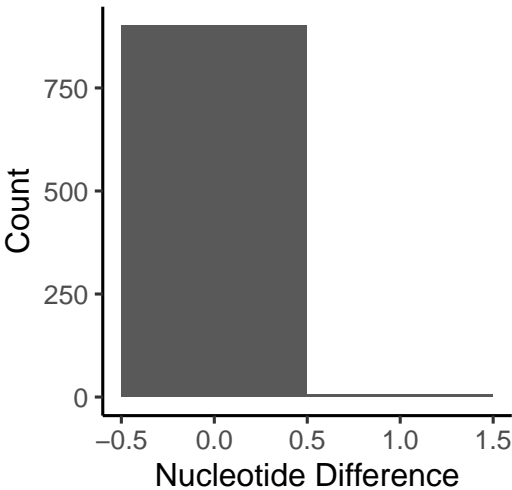
TRBV14*ap01

2356 sequences assigned
2339 (99.3%) exact matches, in which:
2318 unique CDR3
13 unique J



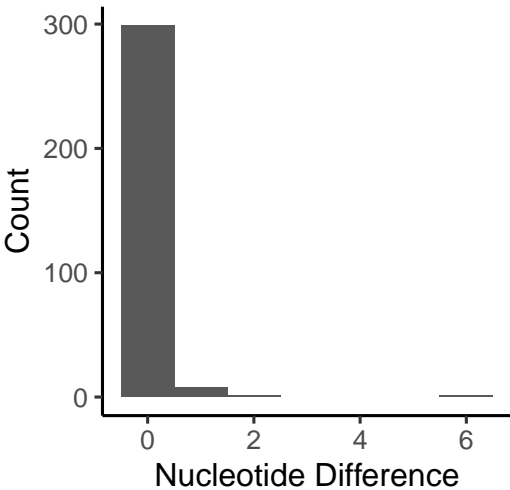
TRBV20-1*ap02

908 sequences assigned
902 (99.3%) exact matches, in which:
894 unique CDR3
13 unique J



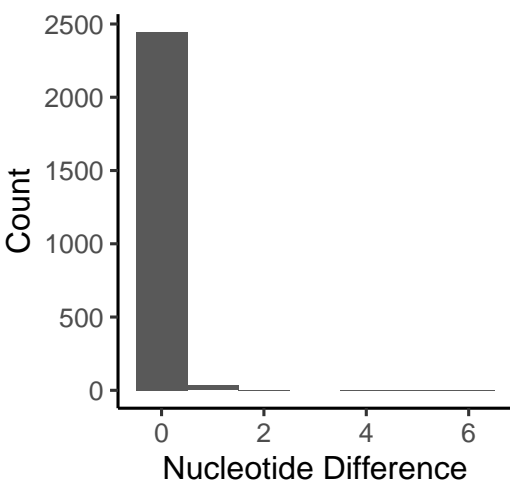
TRBV1*ap01

309 sequences assigned
299 (96.8%) exact matches, in which:
293 unique CDR3
13 unique J



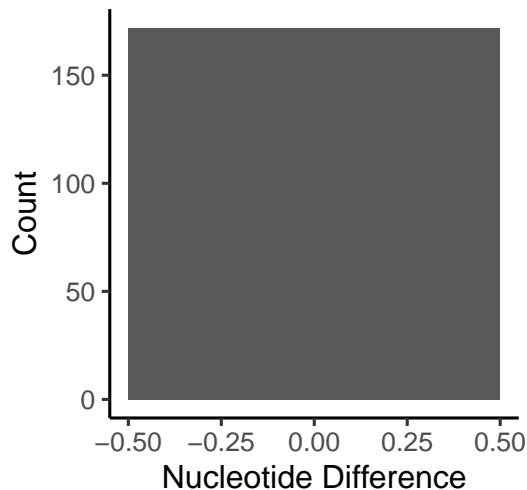
TRBV15*ap02

2484 sequences assigned
2445 (98.4%) exact matches, in which:
2396 unique CDR3
13 unique J



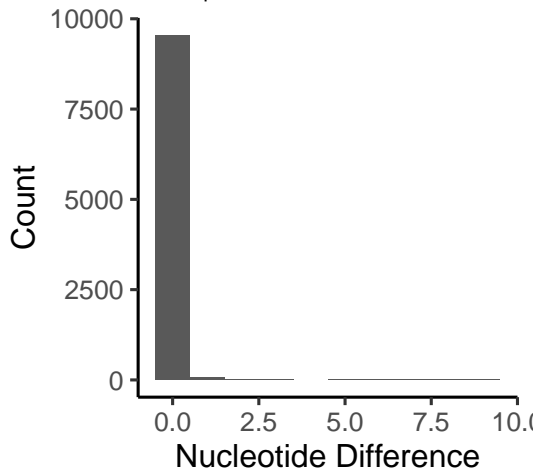
TRBV16*ap01

172 sequences assigned
172 (100%) exact matches, in which:
169 unique CDR3
12 unique J



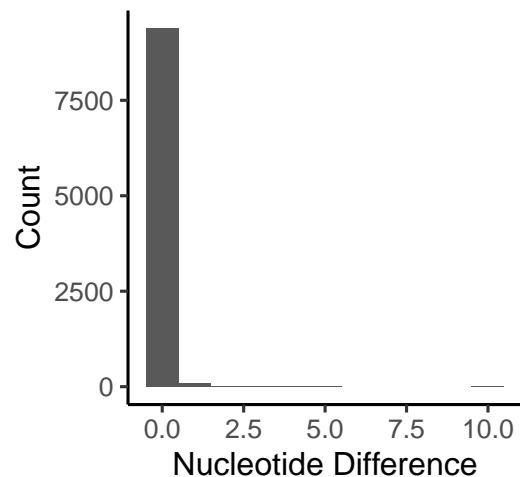
TRBV19*ap01

9640 sequences assigned
9547 (99%) exact matches, in which:
9456 unique CDR3
13 unique J



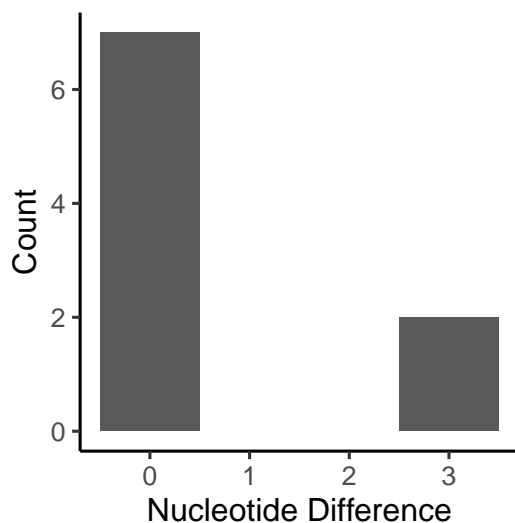
TRBV27*ap01

9493 sequences assigned
9383 (98.8%) exact matches, in which:
9250 unique CDR3
13 unique J



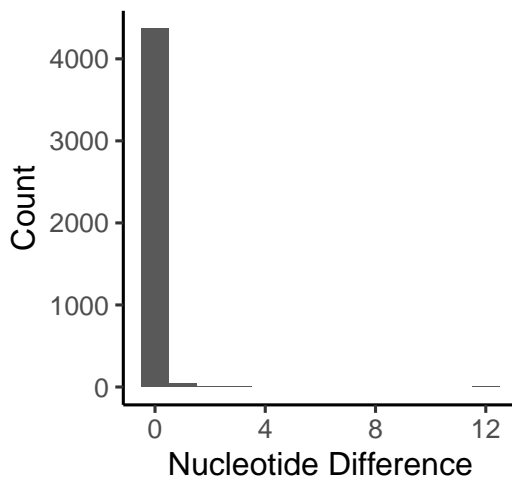
TRBV17*ap01

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
5 unique J



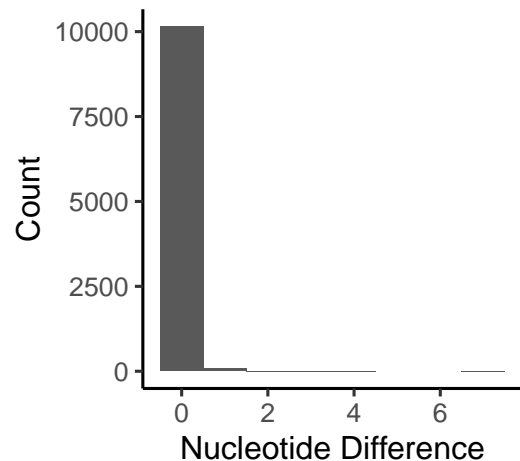
TRBV2*ap01

4424 sequences assigned
4367 (98.7%) exact matches, in which:
4301 unique CDR3
13 unique J



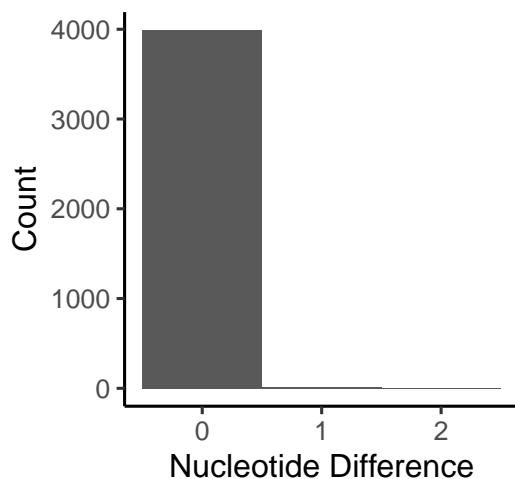
TRBV28*ap01

10247 sequences assigned
10152 (99.1%) exact matches, in which:
10048 unique CDR3
13 unique J



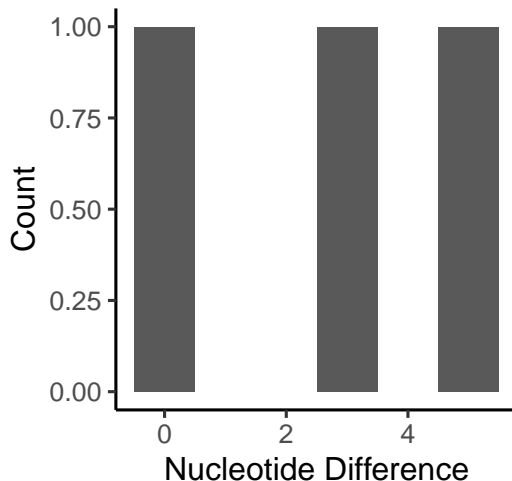
TRBV18*ap01

4010 sequences assigned
3991 (99.5%) exact matches, in which:
3961 unique CDR3
13 unique J



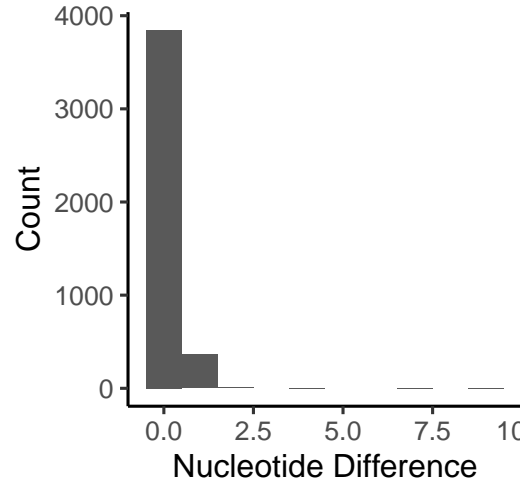
TRBV26*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



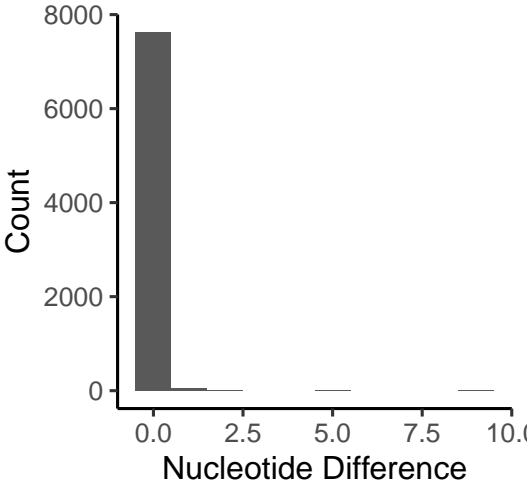
TRBV30*ap01

4226 sequences assigned
3846 (91%) exact matches, in which:
3766 unique CDR3
13 unique J



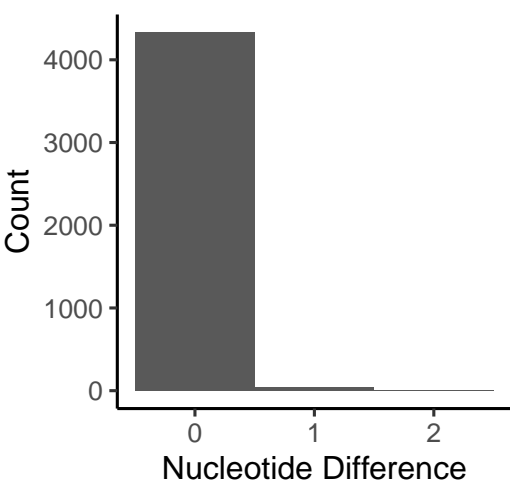
TRBV9*ap01

7690 sequences assigned
7621 (99.1%) exact matches, in which:
7504 unique CDR3
13 unique J



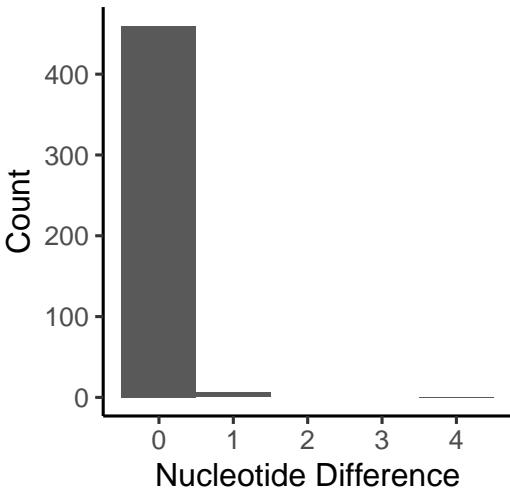
TRBV11-2*ap01

4369 sequences assigned
4331 (99.1%) exact matches, in which:
4299 unique CDR3
13 unique J



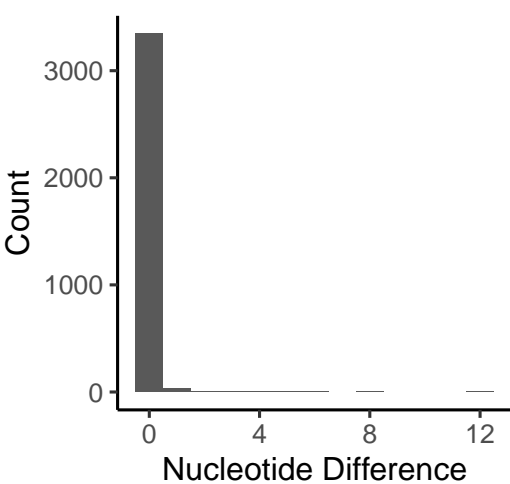
TRBV12-2*ap01

467 sequences assigned
460 (98.5%) exact matches, in which:
452 unique CDR3
13 unique J



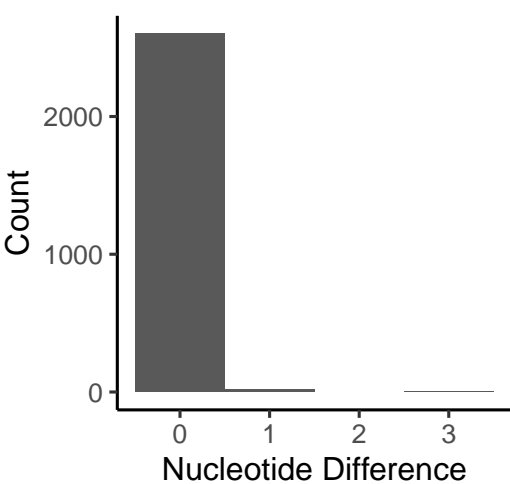
TRBV21-1*ap01

3395 sequences assigned
3345 (98.5%) exact matches, in which:
3302 unique CDR3
13 unique J



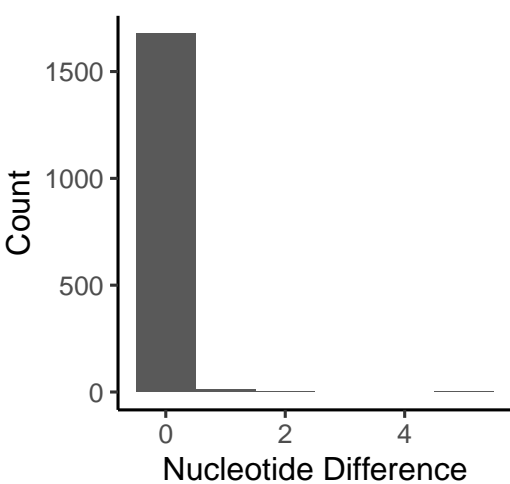
TRBV11-3*ap01

2618 sequences assigned
2601 (99.4%) exact matches, in which:
2579 unique CDR3
13 unique J



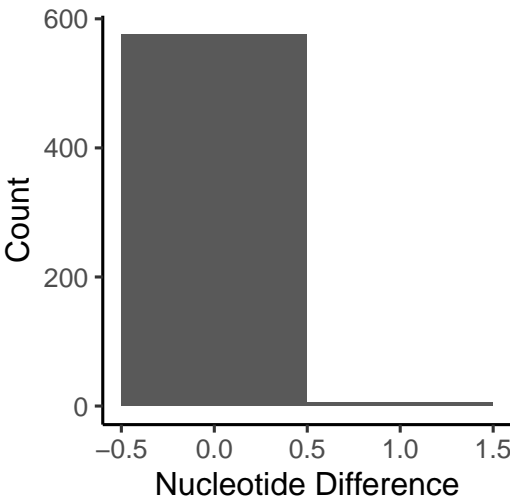
TRBV12-5*ap01

1689 sequences assigned
1677 (99.3%) exact matches, in which:
1650 unique CDR3
13 unique J



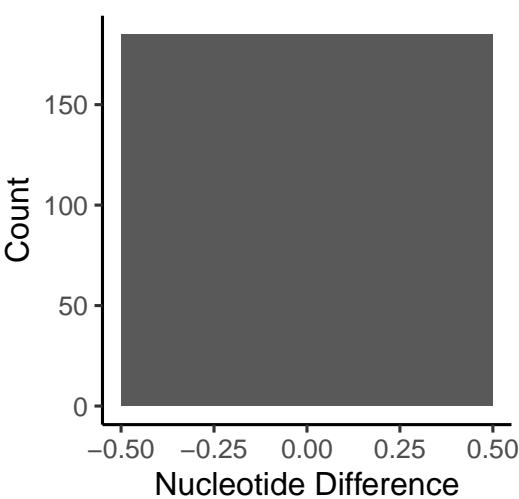
TRBV11-1*ap01

582 sequences assigned
576 (99%) exact matches, in which:
575 unique CDR3
13 unique J



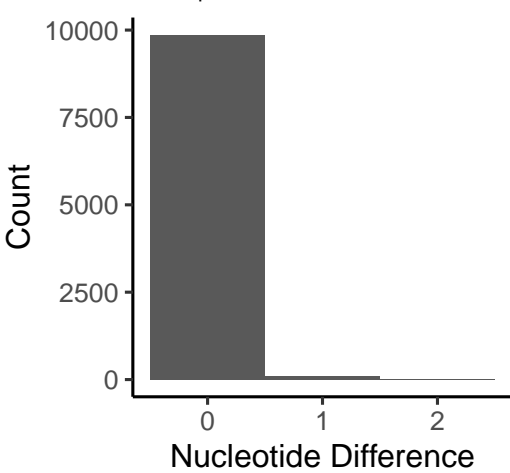
TRBV12-1*ap01

185 sequences assigned
185 (100%) exact matches, in which:
183 unique CDR3
13 unique J



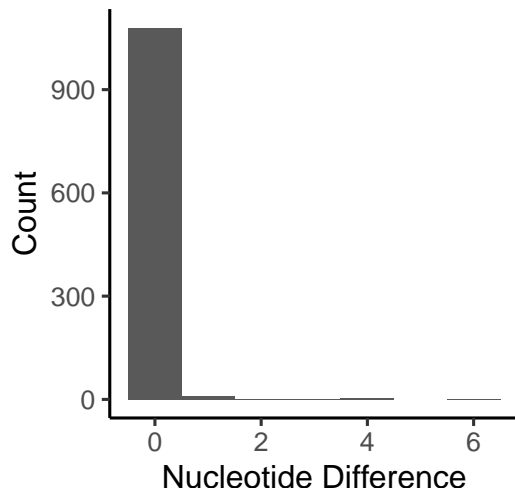
TRBV12-34*ap01

9979 sequences assigned
9865 (98.9%) exact matches, in which:
9731 unique CDR3
13 unique J



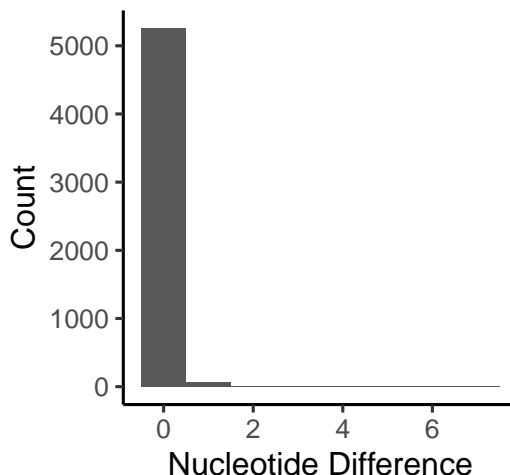
TRBV23–1*ap01

1096 sequences assigned
1080 (98.5%) exact matches, in which:
1069 unique CDR3
13 unique J



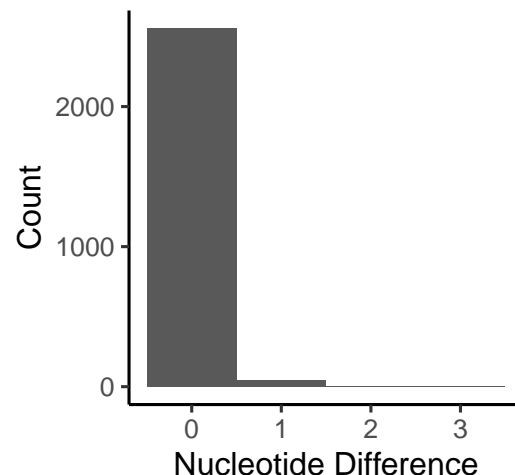
TRBV24–1*ap01

5334 sequences assigned
5255 (98.5%) exact matches, in which:
5186 unique CDR3
13 unique J



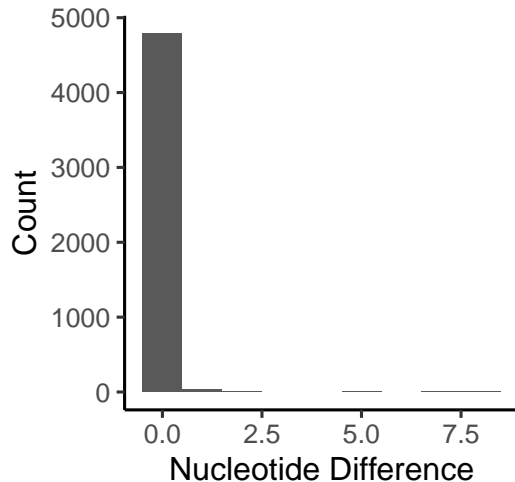
TRBV25–1*ap01

2612 sequences assigned
2558 (97.9%) exact matches, in which:
2516 unique CDR3
13 unique J



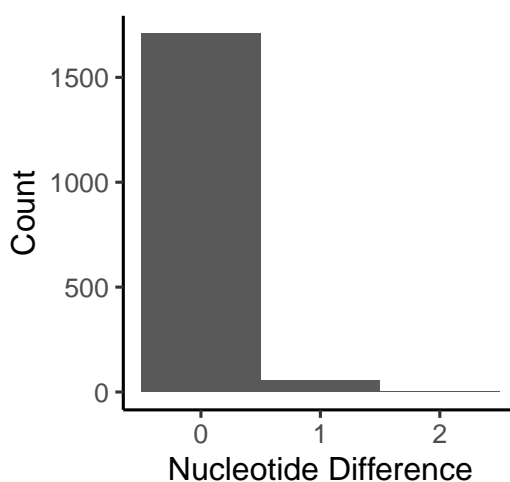
TRBV3–12*ap01

4827 sequences assigned
4786 (99.2%) exact matches, in which:
4754 unique CDR3
13 unique J



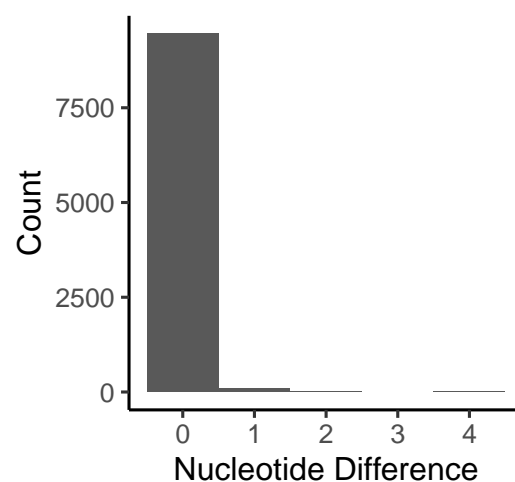
TRBV4–2*ap01

1767 sequences assigned
1708 (96.7%) exact matches, in which:
1672 unique CDR3
13 unique J



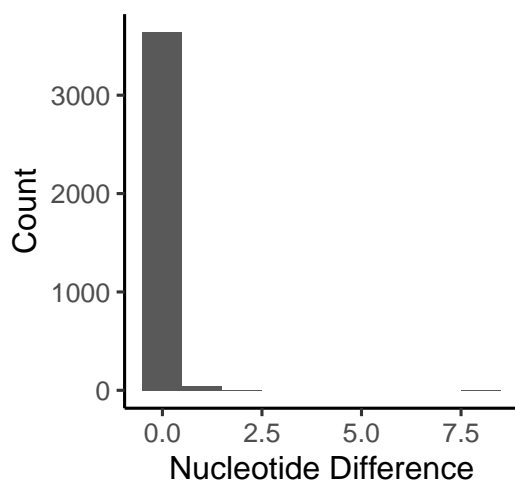
TRBV5–1*ap01

9552 sequences assigned
9453 (99%) exact matches, in which:
9134 unique CDR3
13 unique J



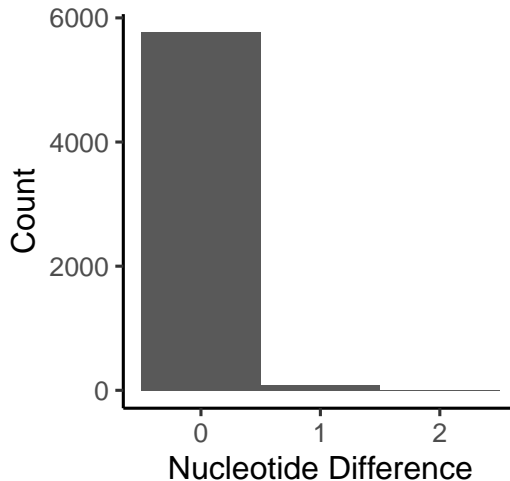
TRBV4–1*ap01

3689 sequences assigned
3642 (98.7%) exact matches, in which:
3573 unique CDR3
13 unique J



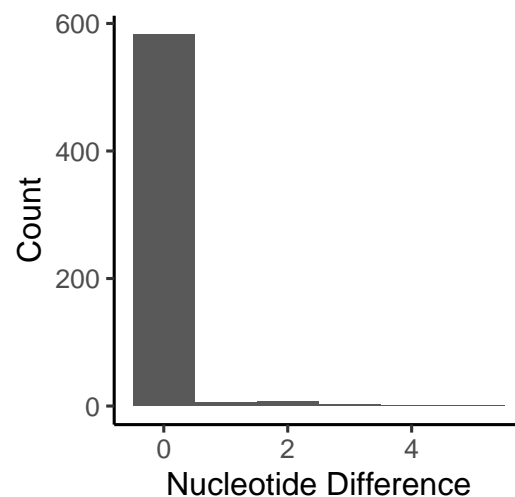
TRBV4–3*ap01

5862 sequences assigned
5772 (98.5%) exact matches, in which:
5645 unique CDR3
13 unique J



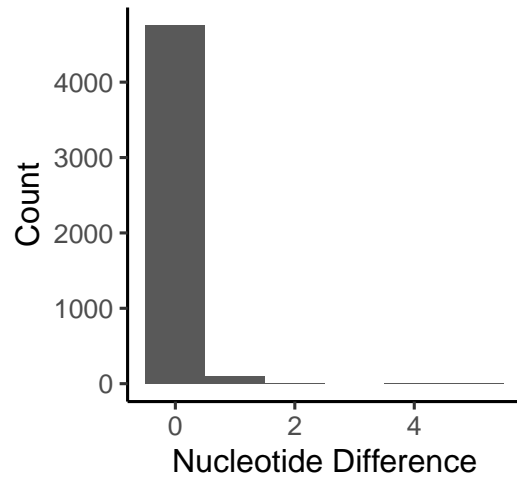
TRBV5–3*ap01

600 sequences assigned
583 (97.2%) exact matches, in which:
565 unique CDR3
13 unique J



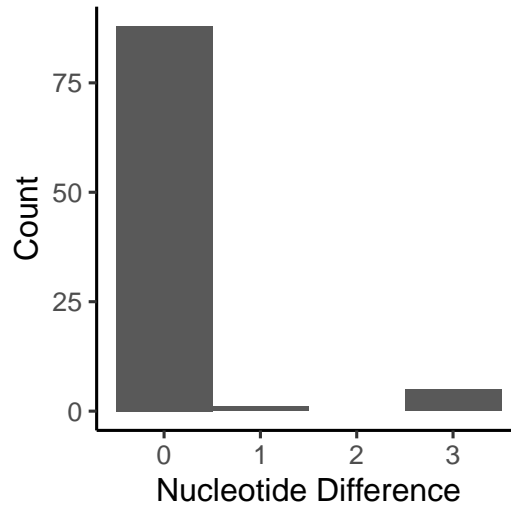
TRBV5-4*ap01

4862 sequences assigned
4753 (97.8%) exact matches, in which:
4642 unique CDR3
13 unique J



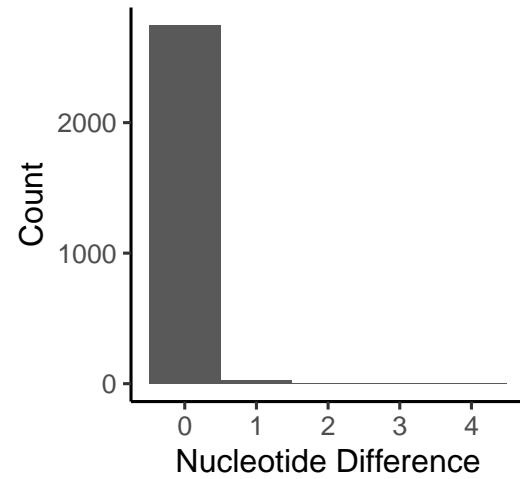
TRBV5-7*ap01

94 sequences assigned
88 (93.6%) exact matches, in which:
86 unique CDR3
12 unique J



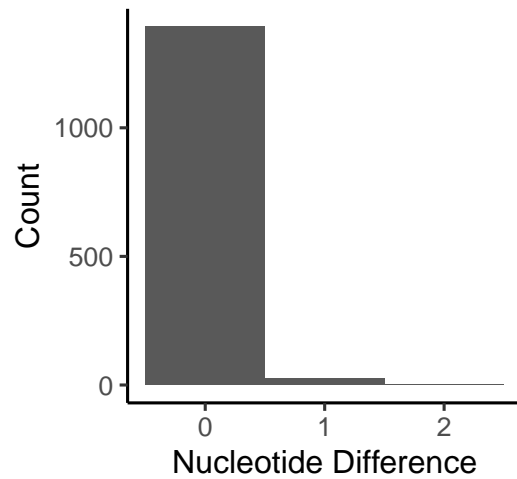
TRBV6-4*ap01

2783 sequences assigned
2745 (98.6%) exact matches, in which:
2722 unique CDR3
13 unique J



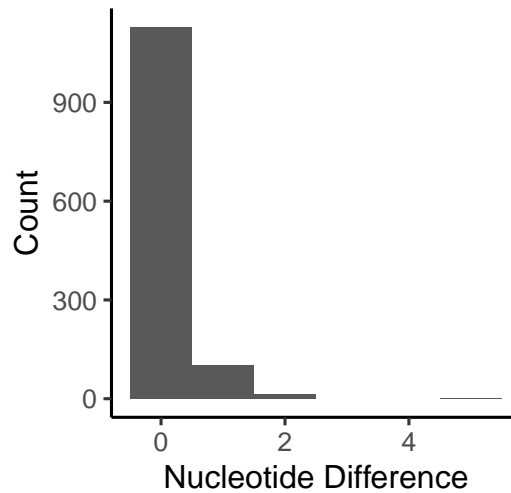
TRBV5-5*ap01

1418 sequences assigned
1393 (98.2%) exact matches, in which:
1363 unique CDR3
13 unique J



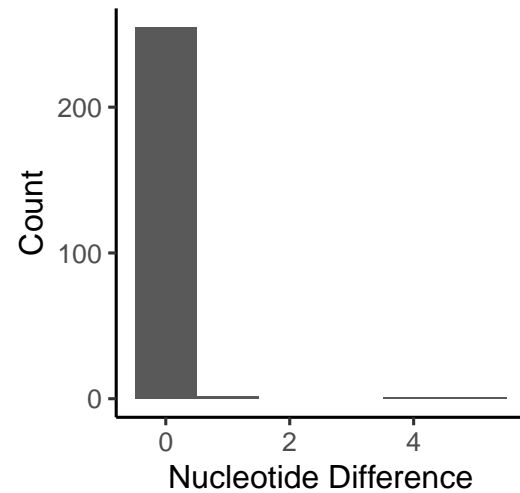
TRBV5-8*ap01

1247 sequences assigned
1129 (90.5%) exact matches, in which:
1115 unique CDR3
13 unique J



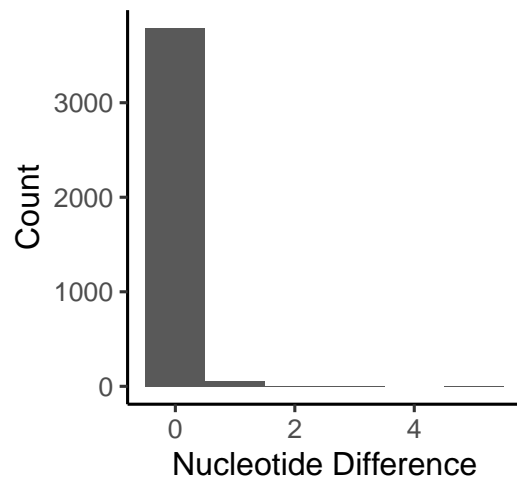
TRBV6-7*ap01

259 sequences assigned
255 (98.5%) exact matches, in which:
255 unique CDR3
13 unique J



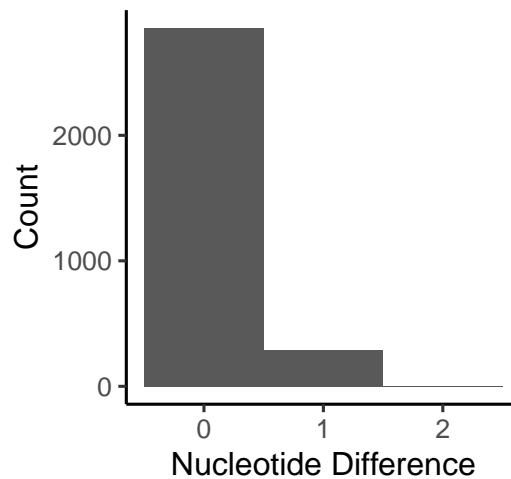
TRBV5-6*ap01

3850 sequences assigned
3790 (98.4%) exact matches, in which:
3607 unique CDR3
13 unique J



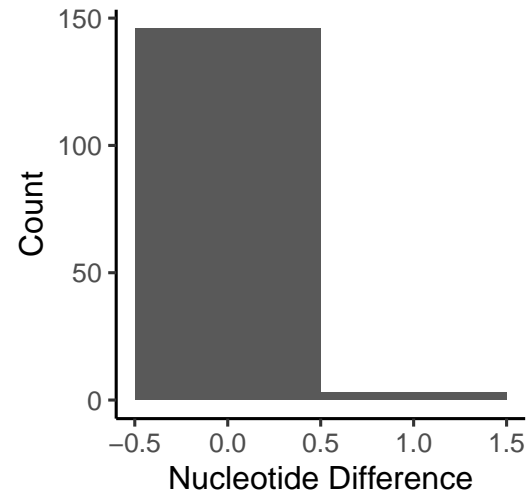
TRBV6-1*ap01

3149 sequences assigned
2855 (90.7%) exact matches, in which:
2800 unique CDR3
13 unique J



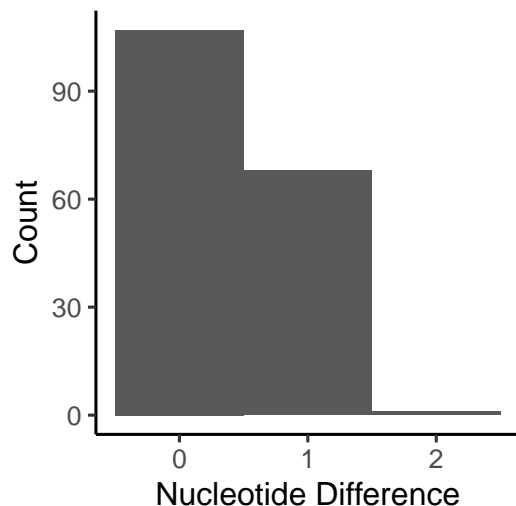
TRBV6-8*ap01

149 sequences assigned
146 (98%) exact matches, in which:
144 unique CDR3
13 unique J



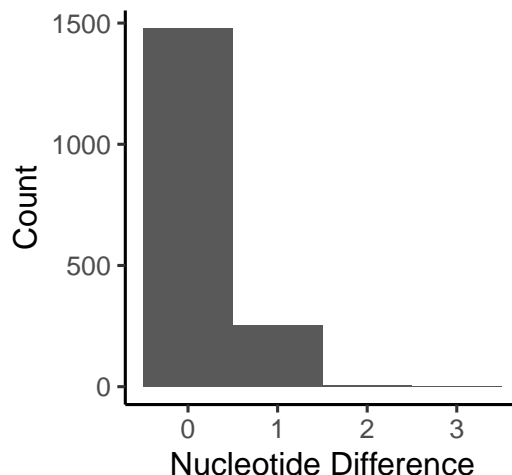
TRBV6-9*ap01

176 sequences assigned
107 (60.8%) exact matches, in which:
106 unique CDR3
12 unique J



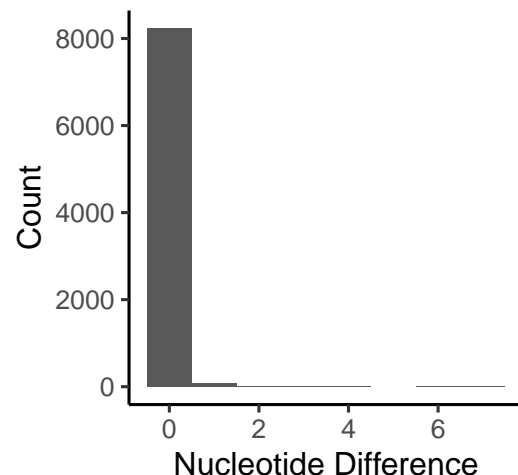
TRBV6-56*ap02

1739 sequences assigned
1478 (85%) exact matches, in which:
1449 unique CDR3
13 unique J



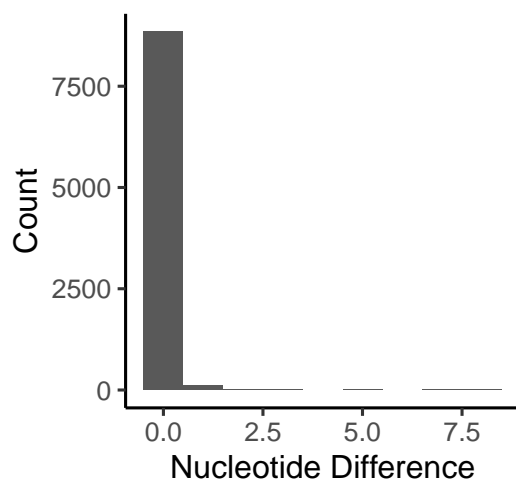
TRBV7-2*ap01

8325 sequences assigned
8232 (98.9%) exact matches, in which:
8143 unique CDR3
13 unique J



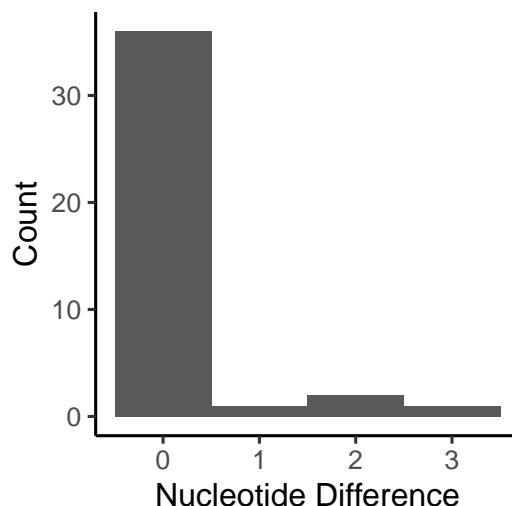
TRBV6-23*ap01

8976 sequences assigned
8846 (98.6%) exact matches, in which:
8666 unique CDR3
13 unique J



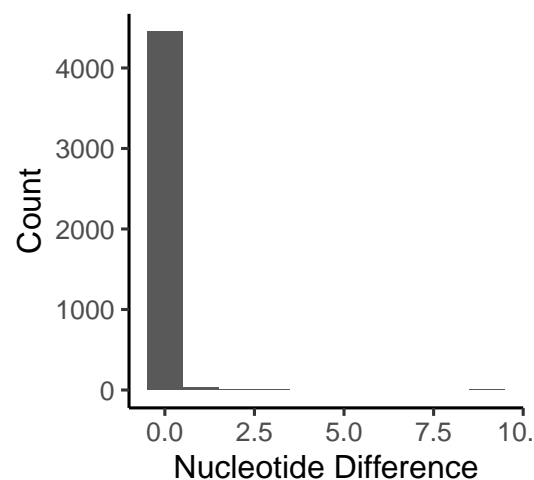
TRBV7-1*ap01_G291C_T

40 sequences assigned
36 (90%) exact matches, in which:
36 unique CDR3
10 unique J



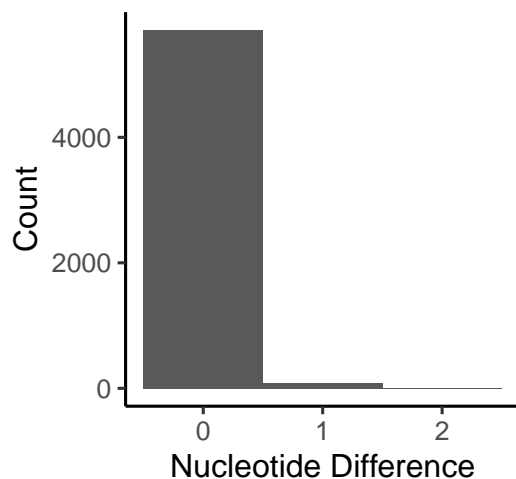
TRBV7-3*ap01

4492 sequences assigned
4450 (99.1%) exact matches, in which:
4367 unique CDR3
13 unique J



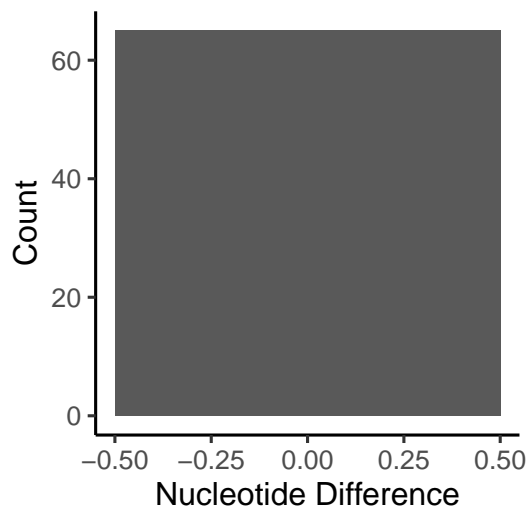
TRBV6-56*ap01

5804 sequences assigned
5710 (98.4%) exact matches, in which:
5537 unique CDR3
13 unique J



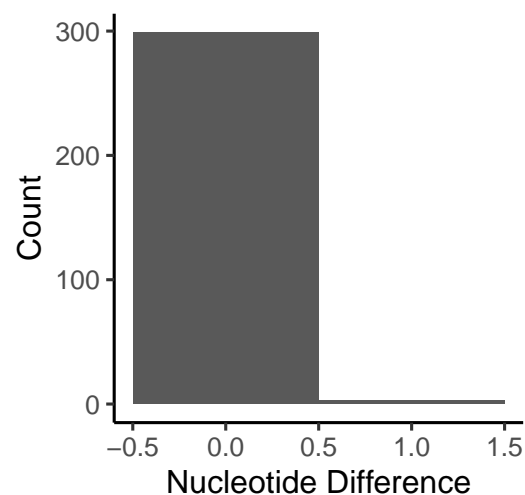
TRBV7-1*ap01_G291C_T

65 sequences assigned
65 (100%) exact matches, in which:
65 unique CDR3
12 unique J



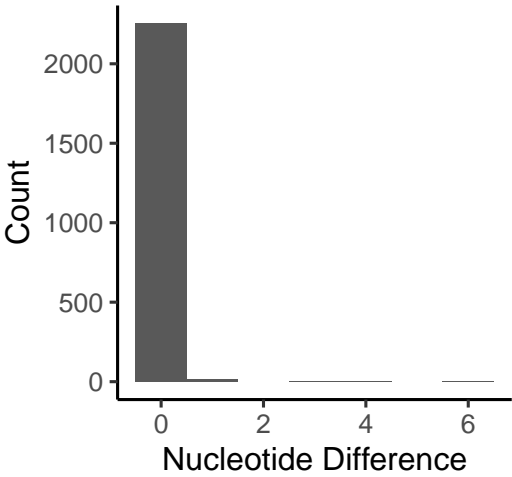
TRBV7-4*ap01

302 sequences assigned
299 (99%) exact matches, in which:
293 unique CDR3
13 unique J



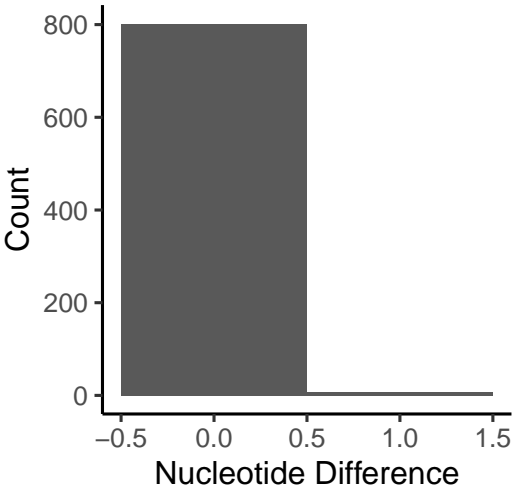
TRBV7-6*ap01

2276 sequences assigned
2254 (99%) exact matches, in which:
2227 unique CDR3
13 unique J



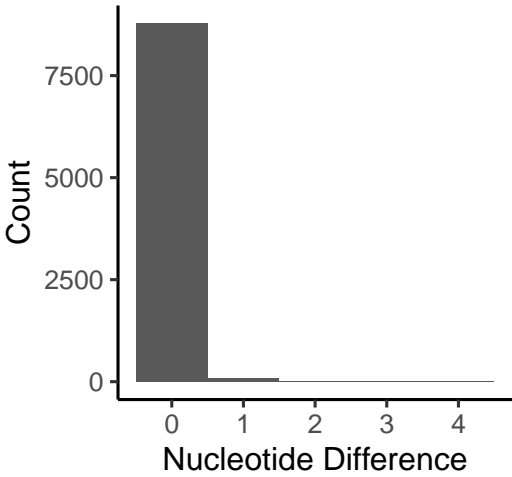
TRBV7-8*ap01

809 sequences assigned
802 (99.1%) exact matches, in which:
798 unique CDR3
13 unique J



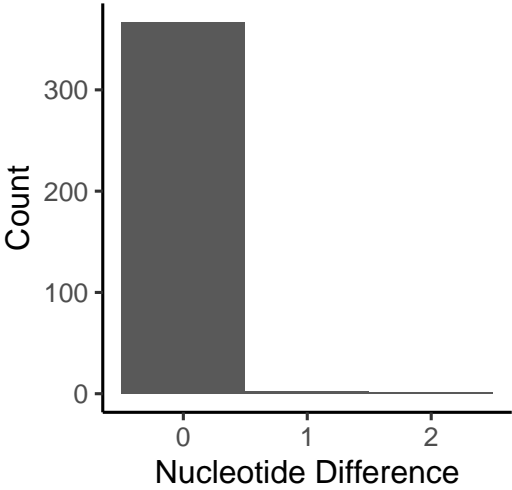
TRBV7-9*ap01

8869 sequences assigned
8779 (99%) exact matches, in which:
8691 unique CDR3
13 unique J



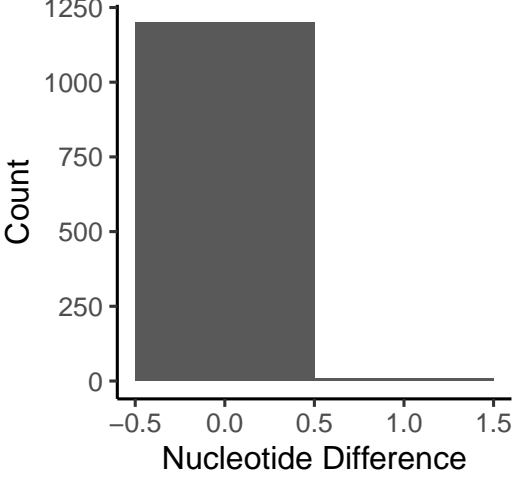
TRBV7-7*ap01

370 sequences assigned
367 (99.2%) exact matches, in which:
359 unique CDR3
12 unique J



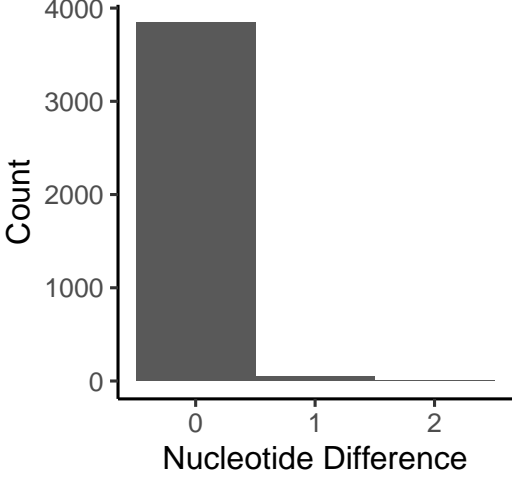
TRBV7-8*ap02

1209 sequences assigned
1199 (99.2%) exact matches, in which:
1189 unique CDR3
13 unique J



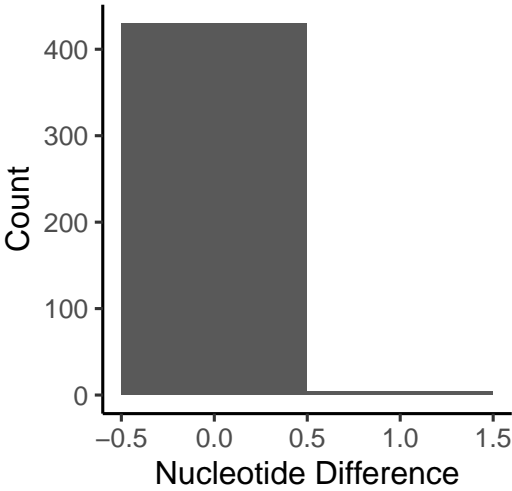
TRBV29-1*ap01

3896 sequences assigned
3843 (98.6%) exact matches, in which:
3734 unique CDR3
13 unique J



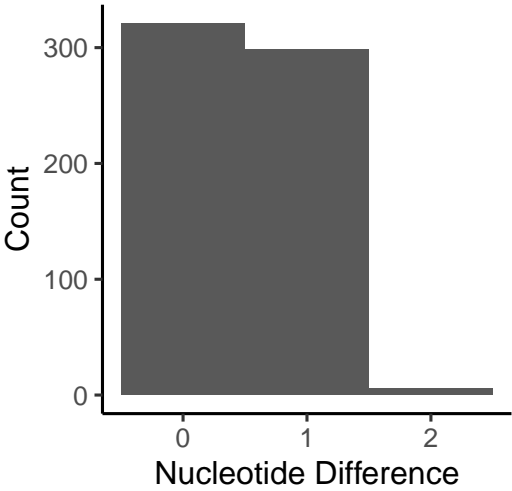
TRBV7-7*ap01_C315T

434 sequences assigned
430 (99.1%) exact matches, in which:
428 unique CDR3
13 unique J



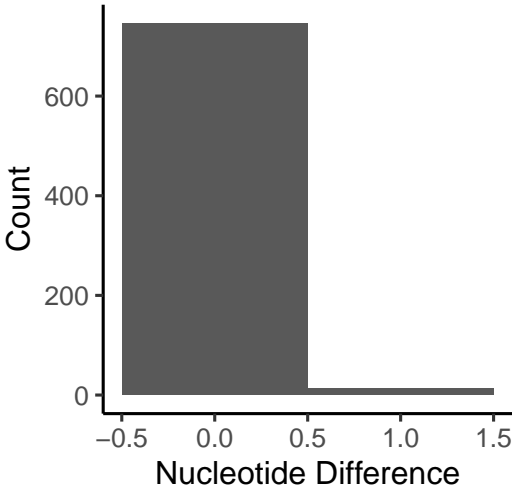
TRBV7-8*ap03

625 sequences assigned
321 (51.4%) exact matches, in which:
318 unique CDR3
13 unique J

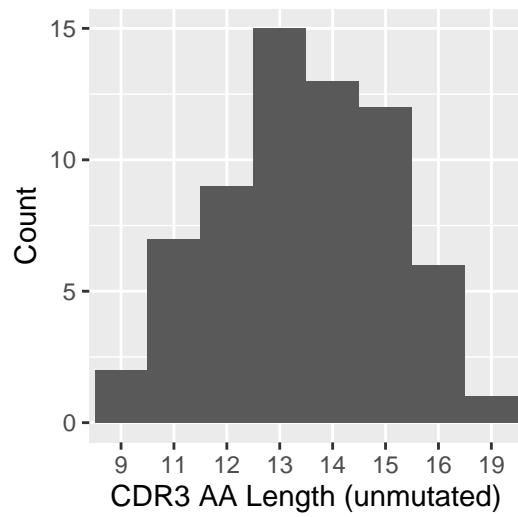


TRBV29-1*ap02

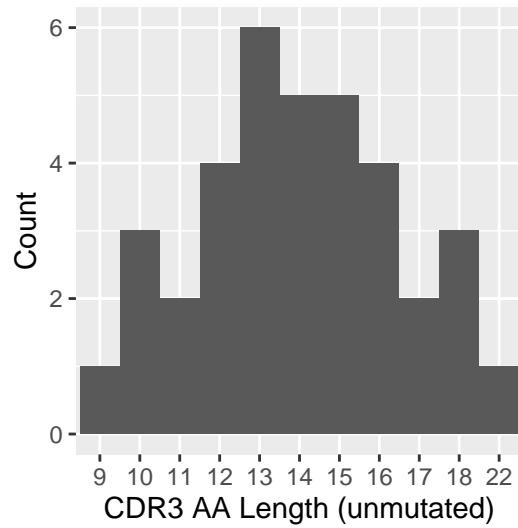
760 sequences assigned
746 (98.2%) exact matches, in which:
724 unique CDR3
13 unique J



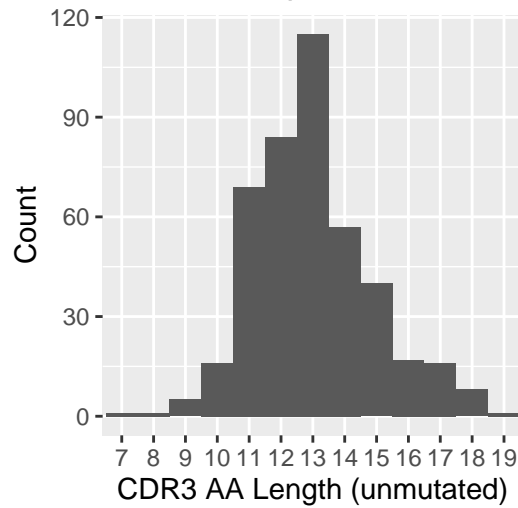
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]