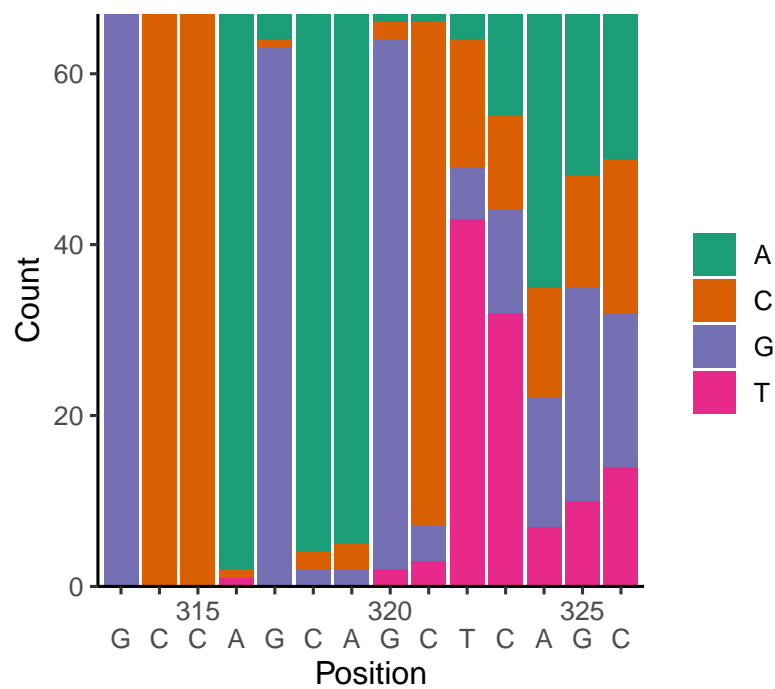
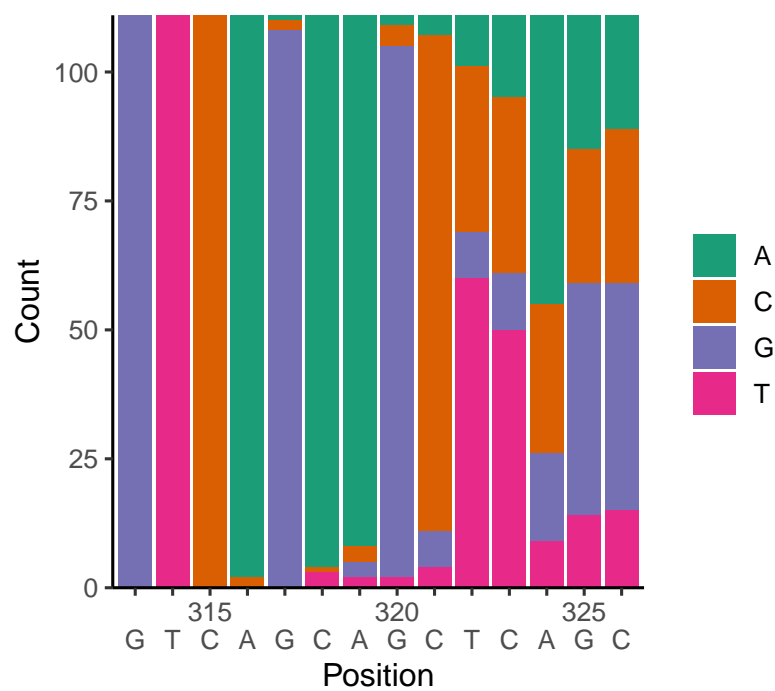


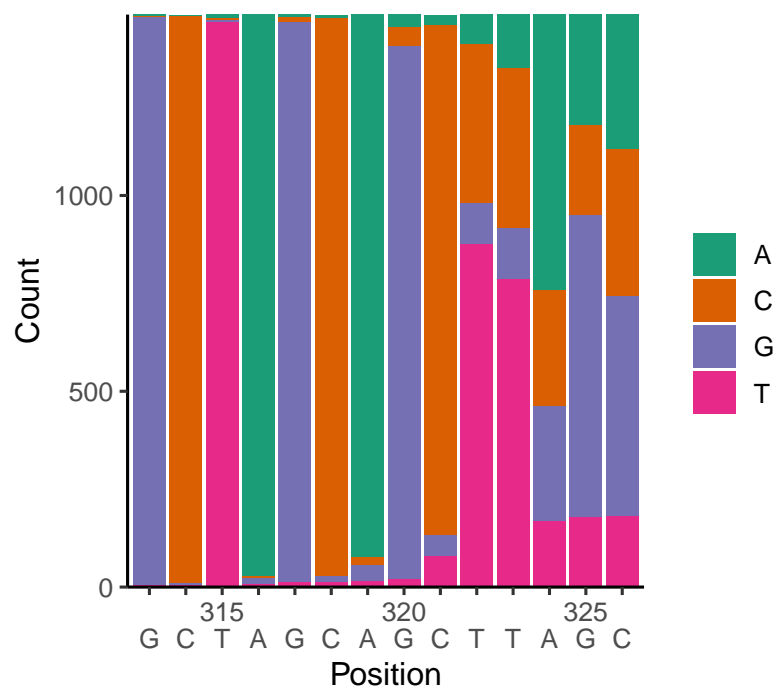
Gene TRBV7-1*ap01_G291C_T296C



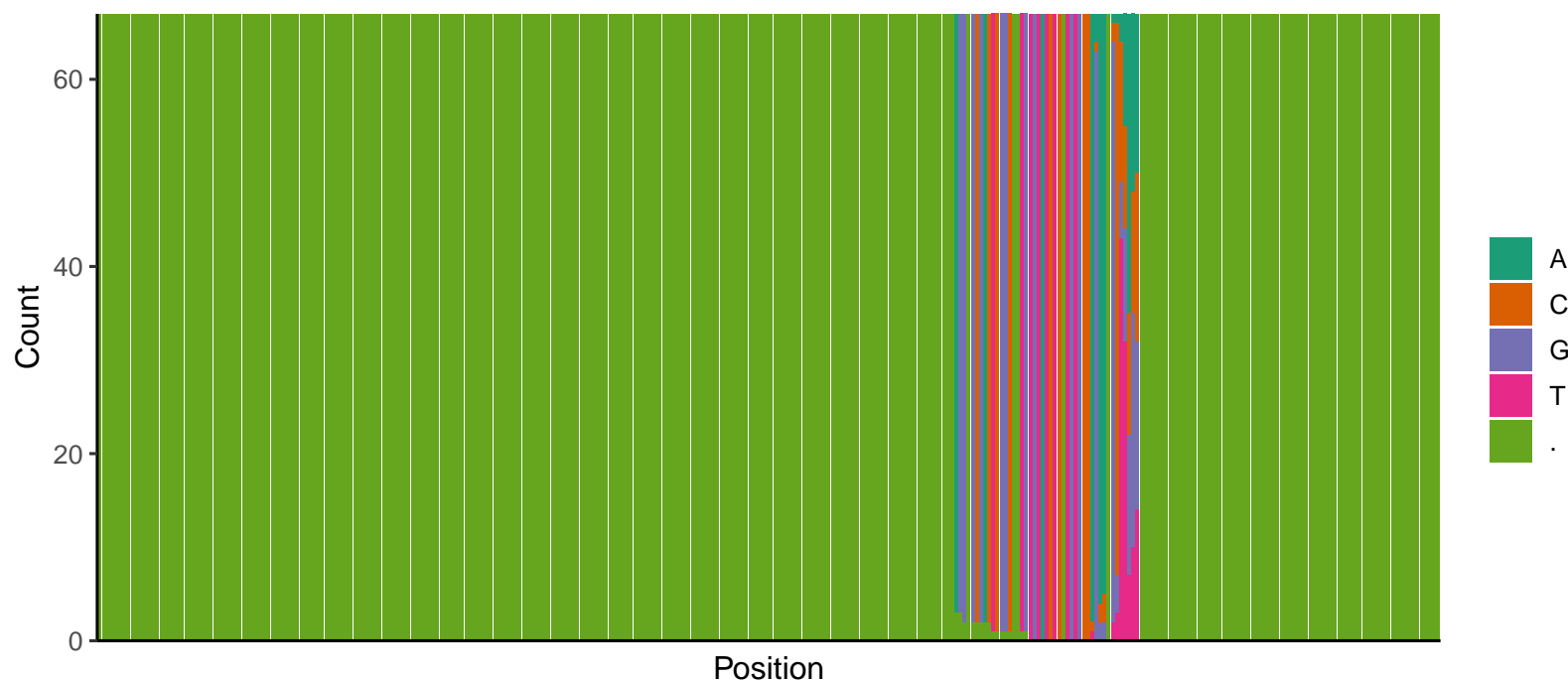
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-7*ap01_C315T



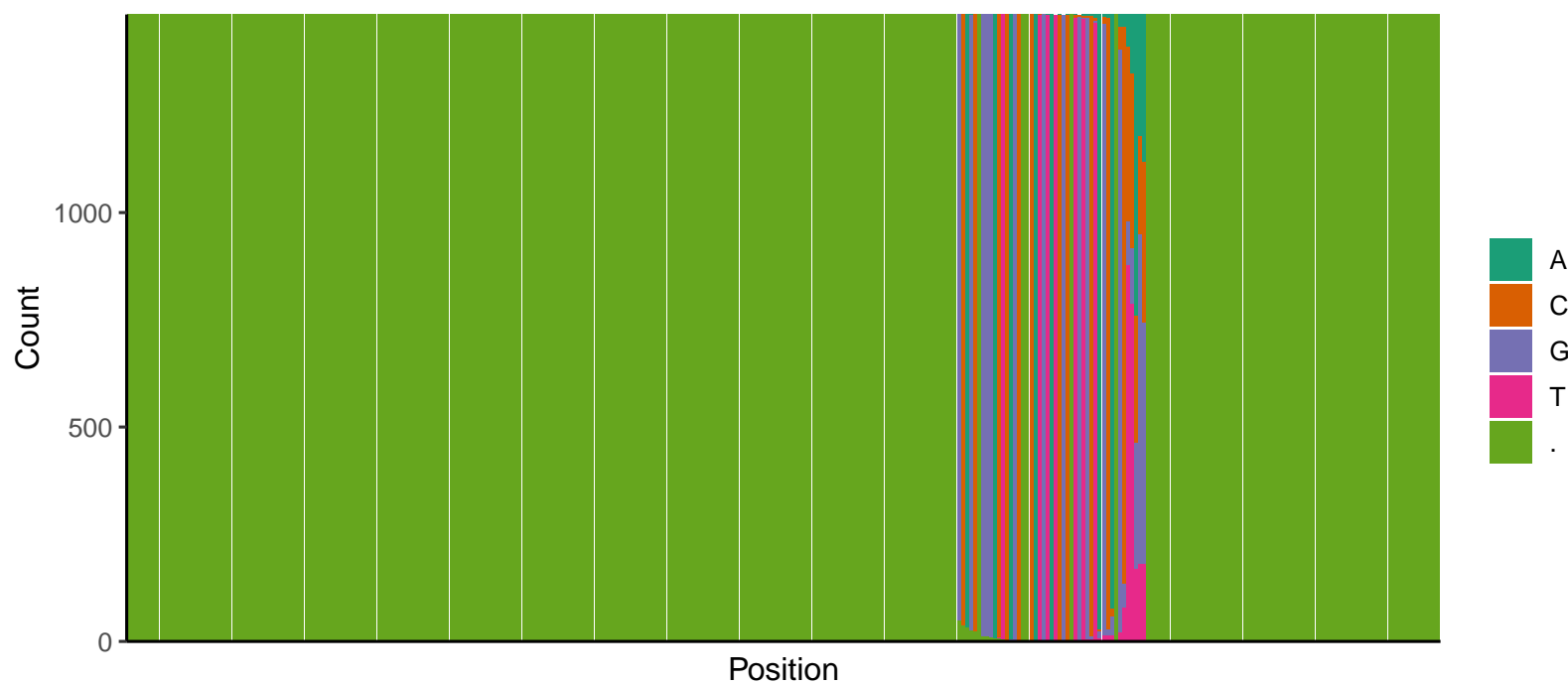
Gene TRBV7-1*ap01_G291C_T296C



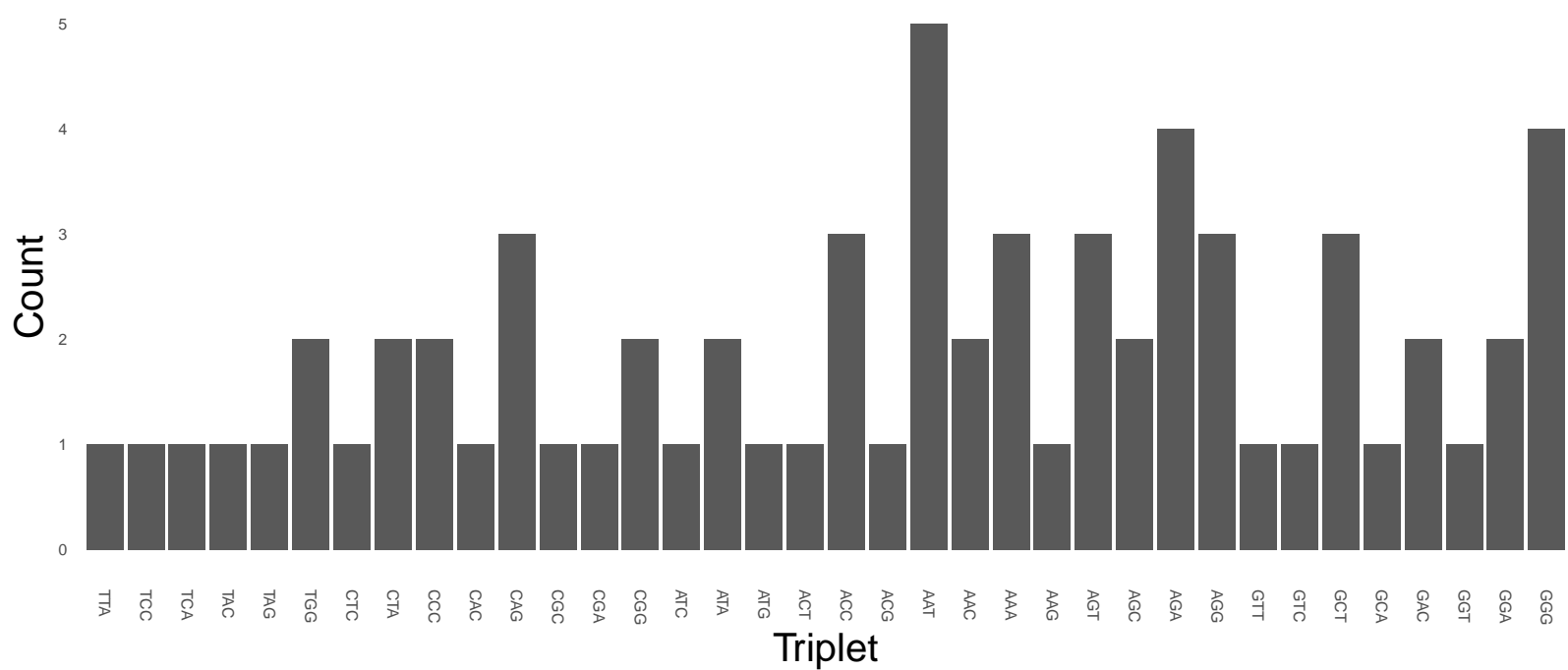
Gene TRBV7-1*ap01_G291C_T296C_C314T



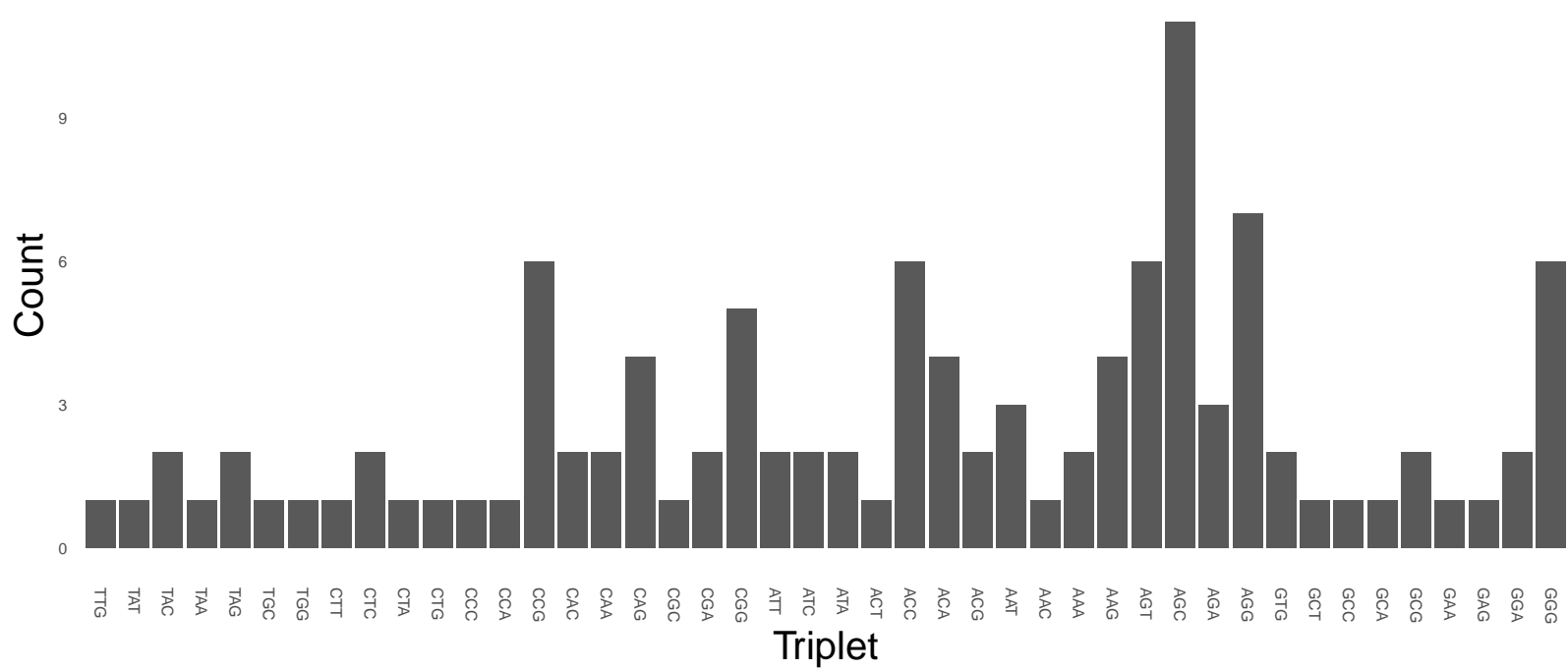
Gene TRBV7-7*ap01_C315T



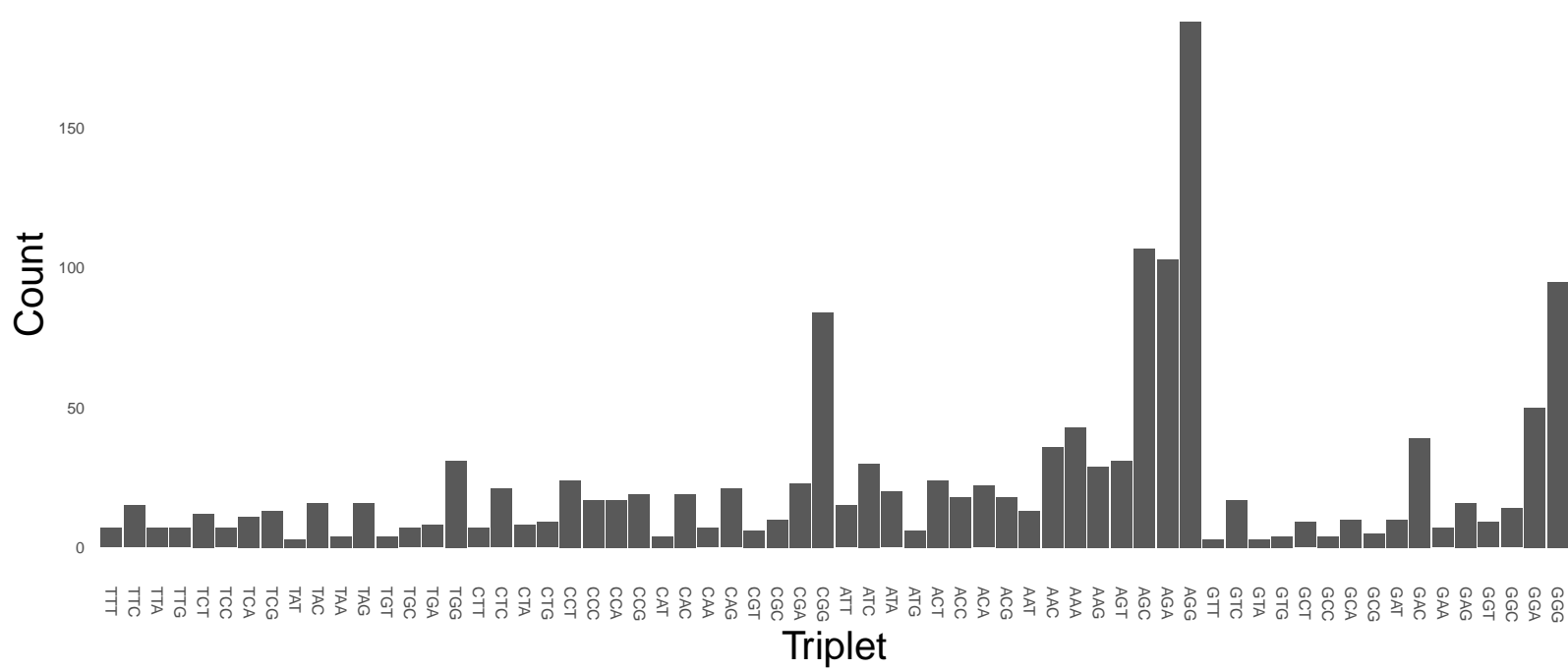
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

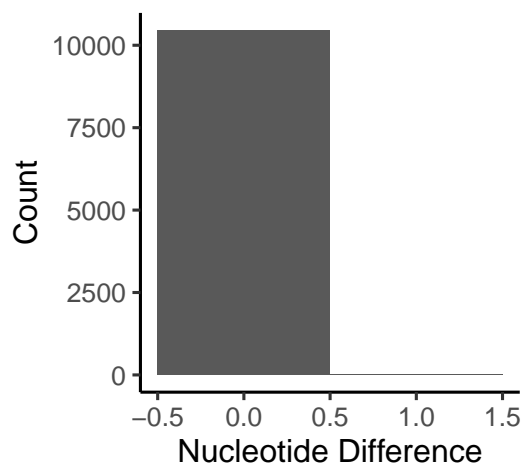


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



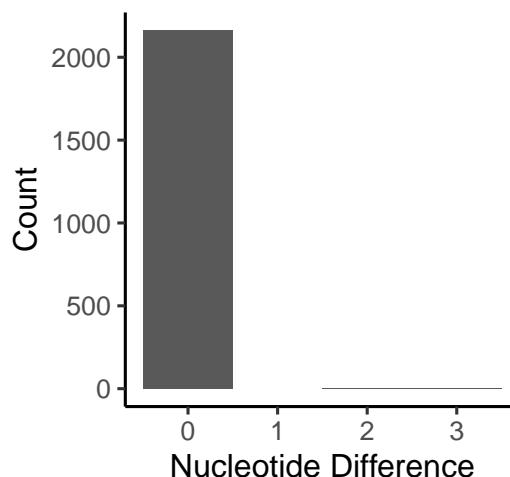
TRBV20-1*ap01

10478 sequences assigned
10458 (99.8%) exact matches, in which:
10455 unique CDR3
14 unique J



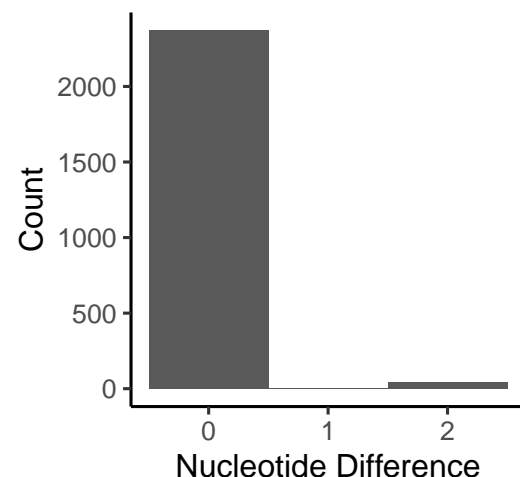
TRBV10-2*ap01

2164 sequences assigned
2162 (99.9%) exact matches, in which:
2162 unique CDR3
14 unique J



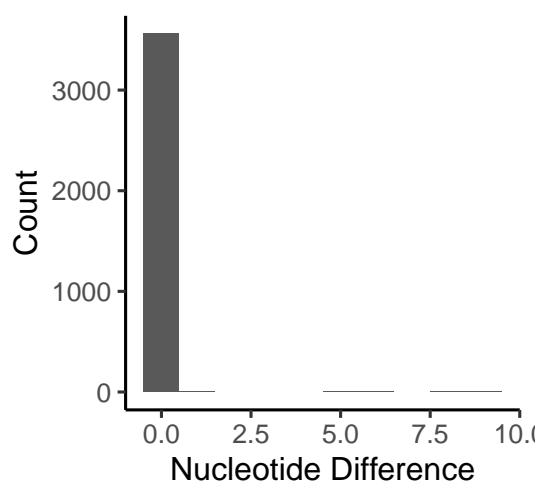
TRBV13*ap01

2420 sequences assigned
2371 (98%) exact matches, in which:
2367 unique CDR3
14 unique J



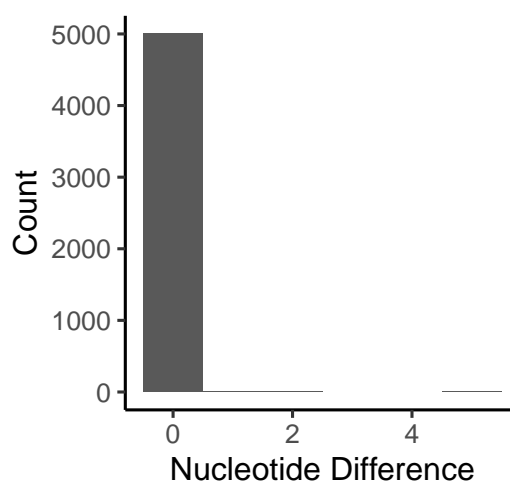
TRBV10-1*ap01

3570 sequences assigned
3560 (99.7%) exact matches, in which:
3560 unique CDR3
14 unique J



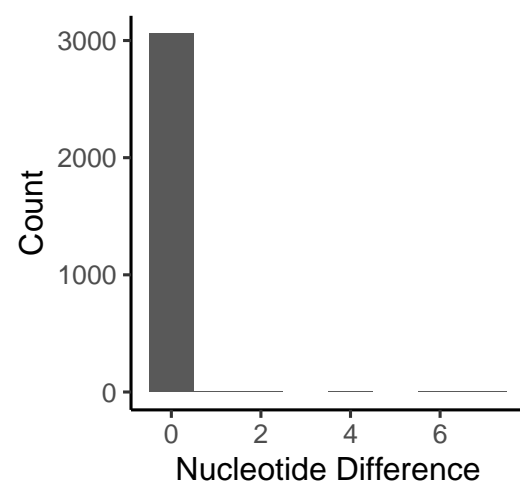
TRBV10-3*ap01

5016 sequences assigned
5003 (99.7%) exact matches, in which:
5002 unique CDR3
14 unique J



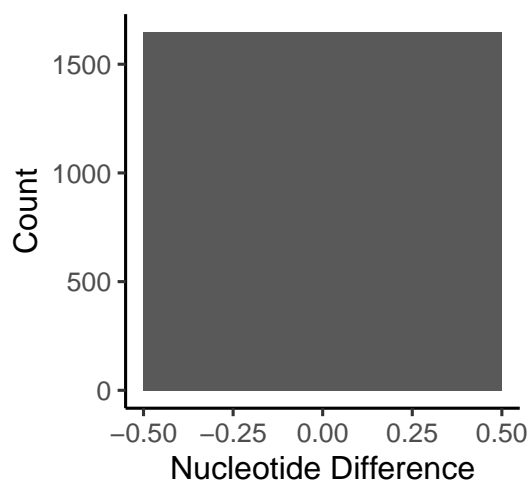
TRBV14*ap01

3065 sequences assigned
3058 (99.8%) exact matches, in which:
3058 unique CDR3
14 unique J



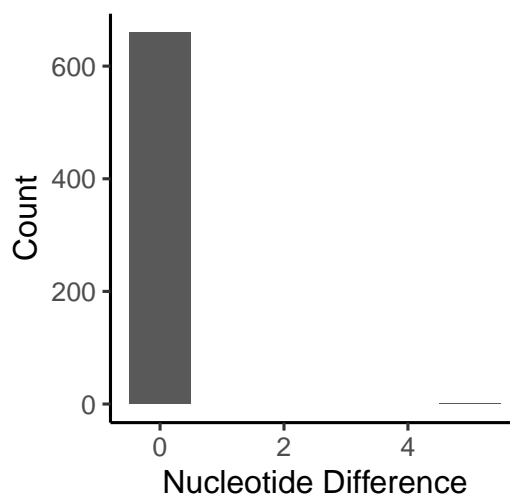
TRBV20-1*ap02

1648 sequences assigned
1648 (100%) exact matches, in which:
1647 unique CDR3
14 unique J



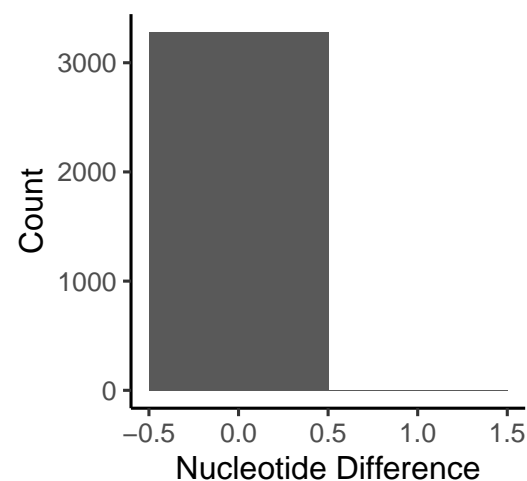
TRBV1*ap01

661 sequences assigned
660 (99.8%) exact matches, in which:
659 unique CDR3
14 unique J



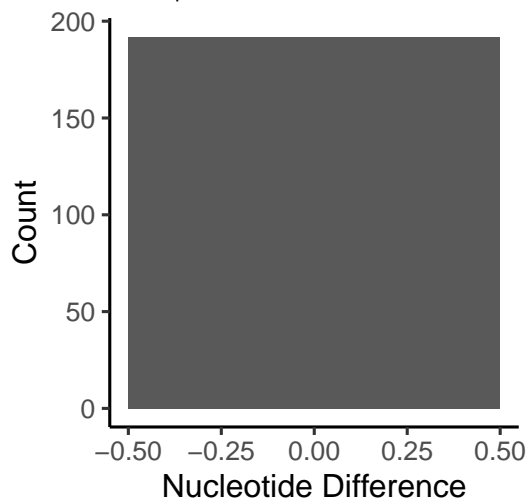
TRBV15*ap02

3285 sequences assigned
3281 (99.9%) exact matches, in which:
3273 unique CDR3
14 unique J



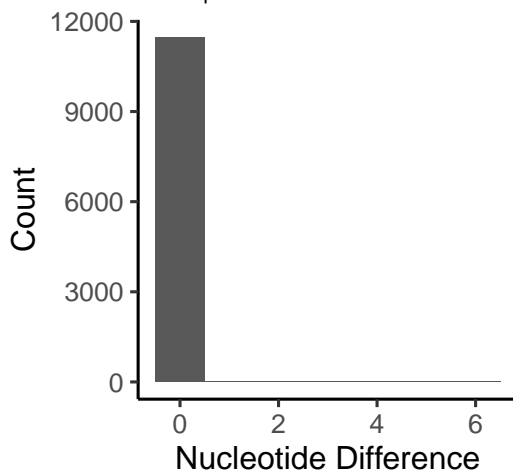
TRBV16*ap01

192 sequences assigned
192 (100%) exact matches, in which:
192 unique CDR3
14 unique J



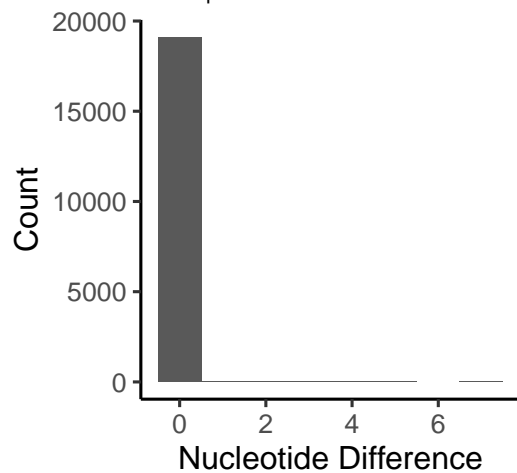
TRBV2*ap01

11517 sequences assigned
11476 (99.6%) exact matches, in which:
11456 unique CDR3
14 unique J



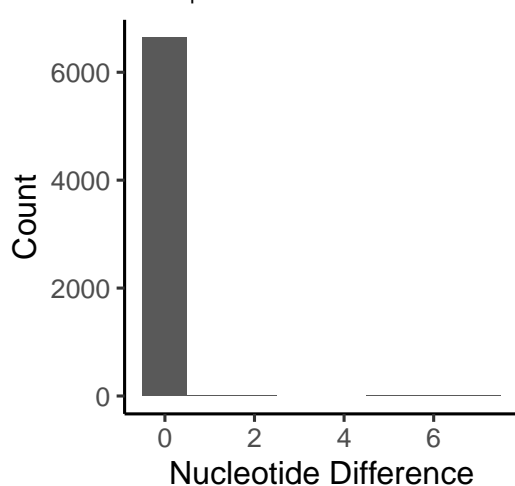
TRBV28*ap01

19166 sequences assigned
19106 (99.7%) exact matches, in which:
19103 unique CDR3
14 unique J



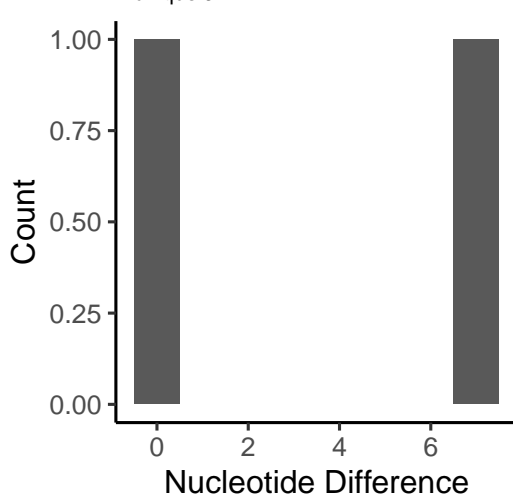
TRBV18*ap01

6652 sequences assigned
6640 (99.8%) exact matches, in which:
6638 unique CDR3
14 unique J



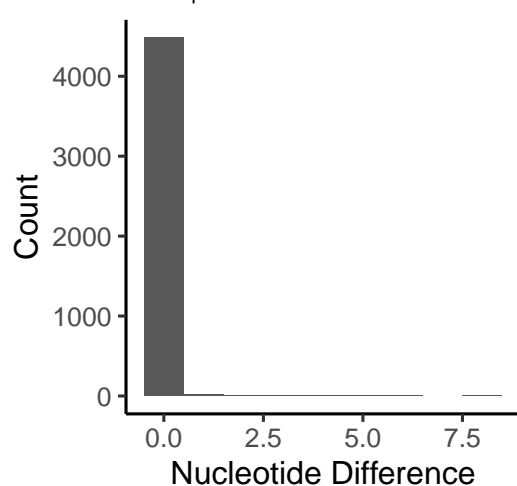
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



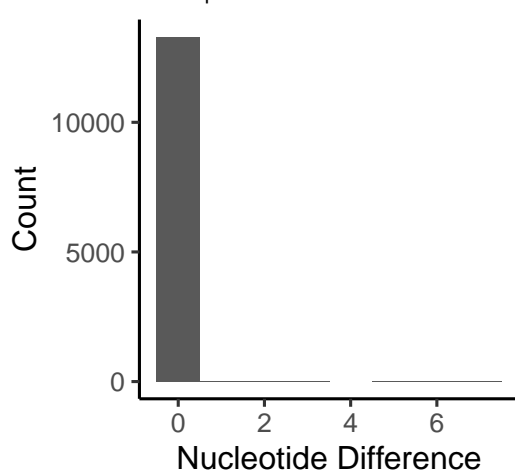
TRBV30*ap02

4512 sequences assigned
4482 (99.3%) exact matches, in which:
4477 unique CDR3
14 unique J



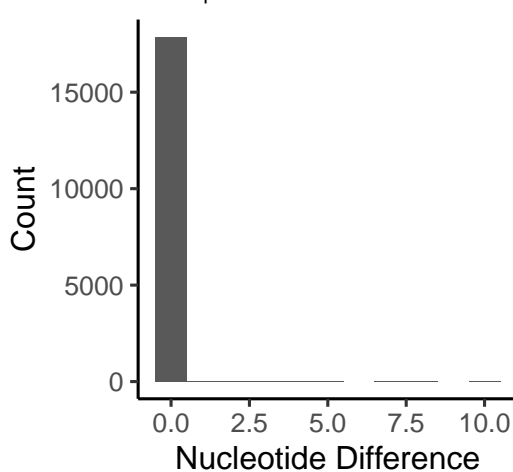
TRBV19*ap01

13337 sequences assigned
13299 (99.7%) exact matches, in which:
13296 unique CDR3
14 unique J



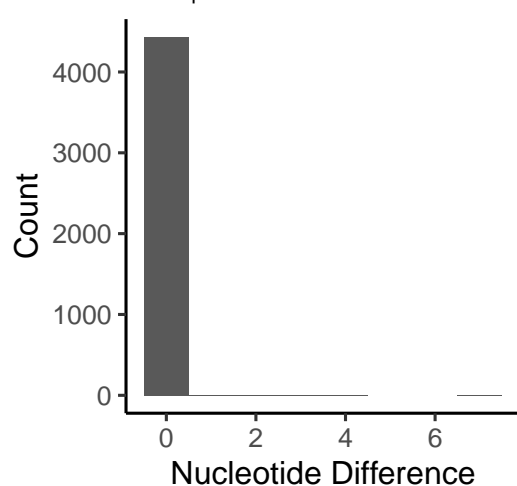
TRBV27*ap01

17936 sequences assigned
17872 (99.6%) exact matches, in which:
17827 unique CDR3
14 unique J



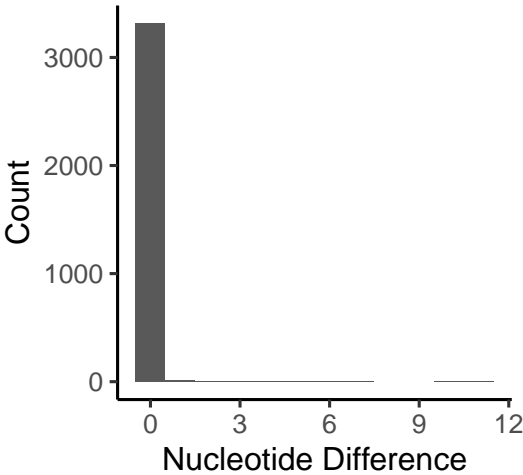
TRBV9*ap01

4440 sequences assigned
4432 (99.8%) exact matches, in which:
4431 unique CDR3
14 unique J



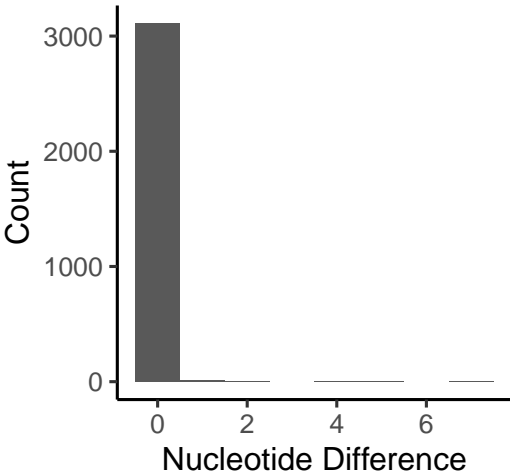
TRBV21-1*ap01

3357 sequences assigned
3315 (98.7%) exact matches, in which:
3315 unique CDR3
14 unique J



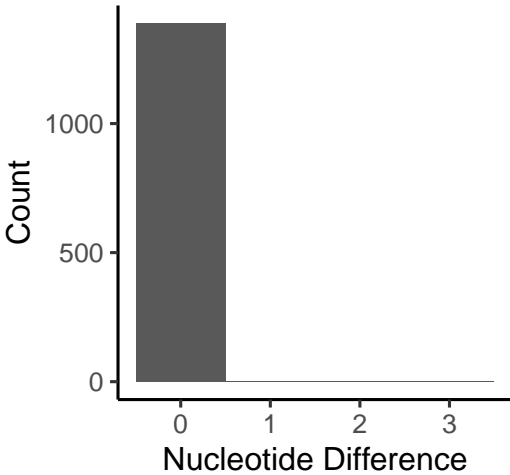
TRBV11-3*ap01

3127 sequences assigned
3110 (99.5%) exact matches, in which:
3109 unique CDR3
14 unique J



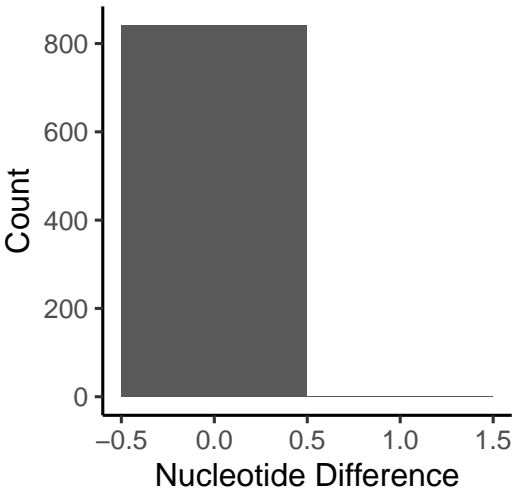
TRBV12-5*ap01

1392 sequences assigned
1388 (99.7%) exact matches, in which:
1388 unique CDR3
14 unique J



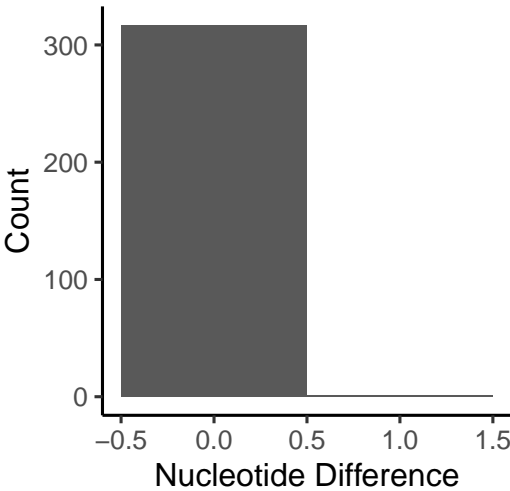
TRBV11-1*ap01

843 sequences assigned
842 (99.9%) exact matches, in which:
842 unique CDR3
14 unique J



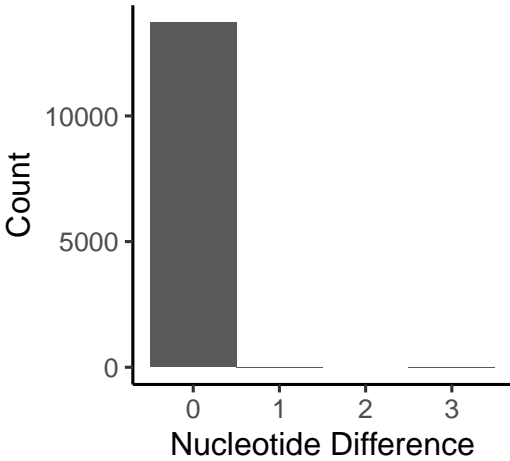
TRBV12-1*ap01

318 sequences assigned
317 (99.7%) exact matches, in which:
317 unique CDR3
14 unique J



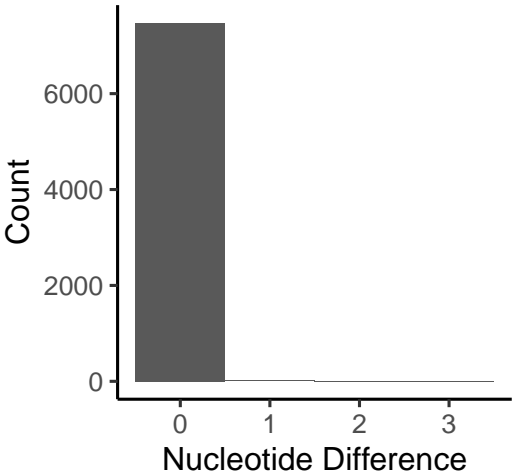
TRBV12-34*ap01

13740 sequences assigned
13720 (99.9%) exact matches, in which:
13719 unique CDR3
14 unique J



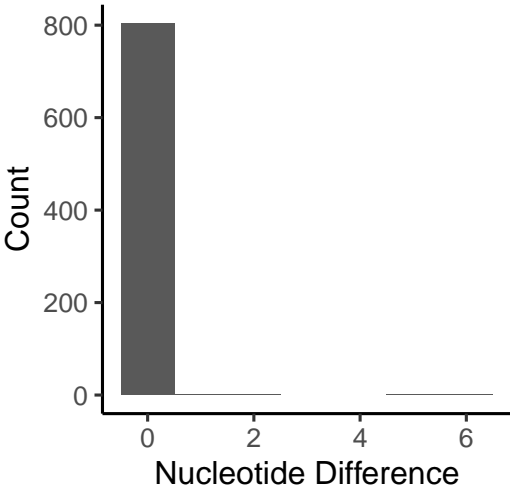
TRBV11-2*ap01

7489 sequences assigned
7472 (99.8%) exact matches, in which:
7470 unique CDR3
14 unique J



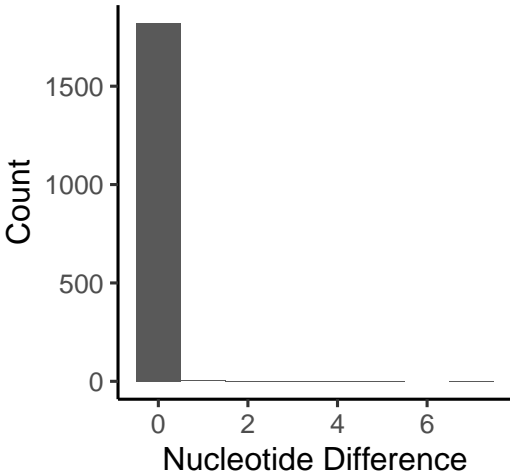
TRBV12-2*ap01

808 sequences assigned
804 (99.5%) exact matches, in which:
804 unique CDR3
14 unique J



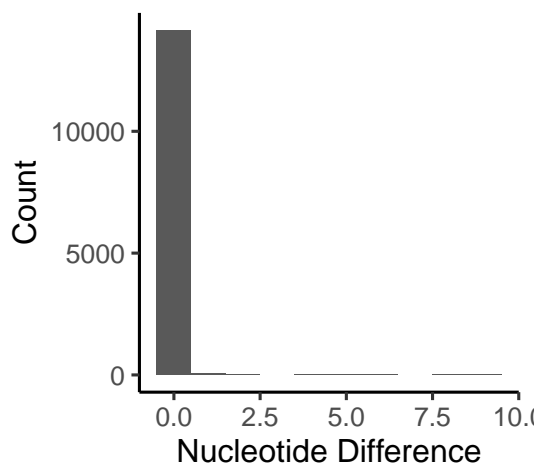
TRBV23-1*ap01

1832 sequences assigned
1821 (99.4%) exact matches, in which:
1821 unique CDR3
14 unique J



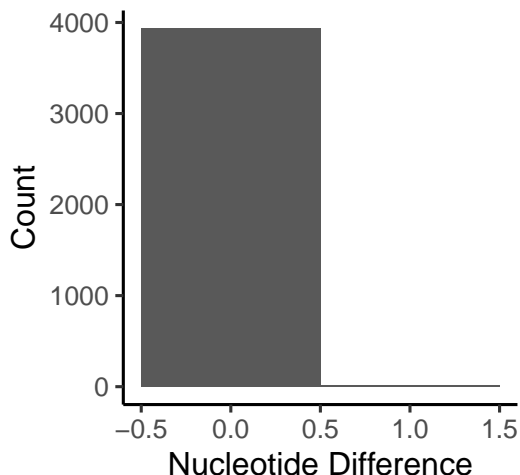
TRBV3–12*ap01

14204 sequences assigned
14152 (99.6%) exact matches, in which:
14119 unique CDR3
14 unique J



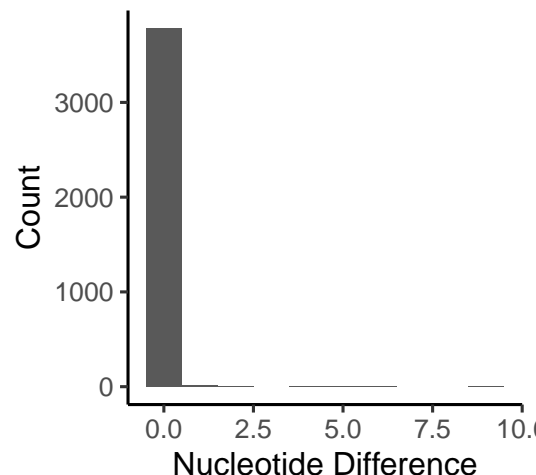
TRBV4–2*ap01

3953 sequences assigned
3935 (99.5%) exact matches, in which:
3932 unique CDR3
14 unique J



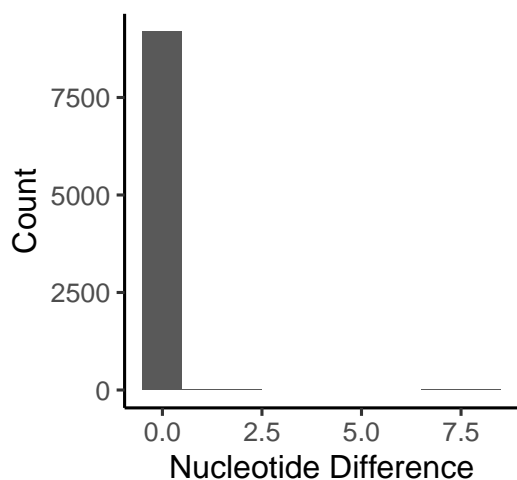
TRBV25–1*ap01

3798 sequences assigned
3781 (99.6%) exact matches, in which:
3769 unique CDR3
14 unique J



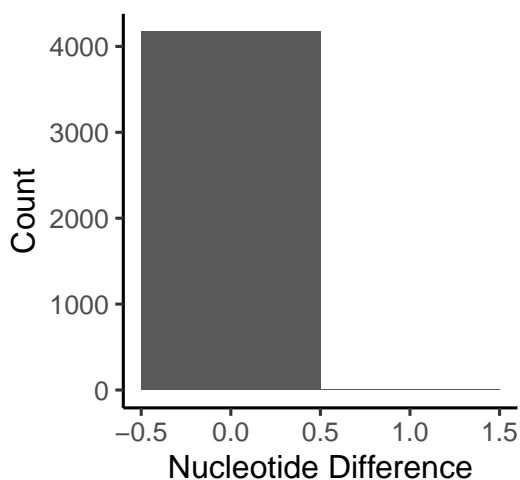
TRBV4–1*ap01

9204 sequences assigned
9186 (99.8%) exact matches, in which:
9182 unique CDR3
14 unique J



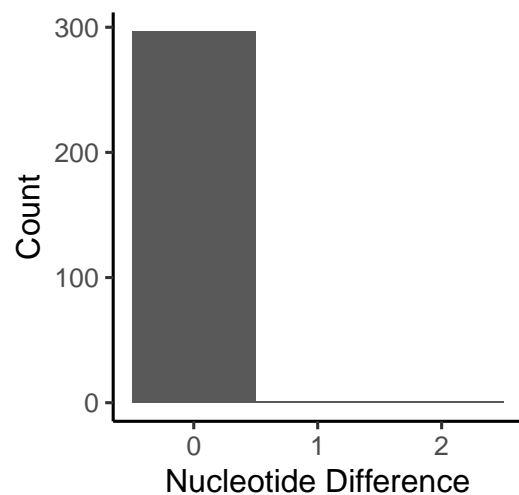
TRBV4–3*ap01

4176 sequences assigned
4171 (99.9%) exact matches, in which:
4168 unique CDR3
14 unique J



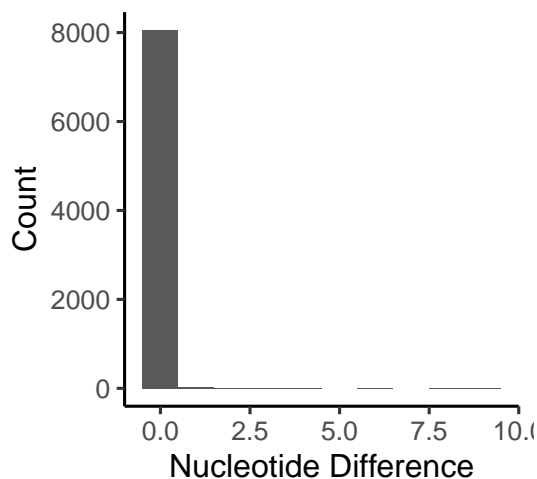
TRBV5–3*ap01

299 sequences assigned
297 (99.3%) exact matches, in which:
297 unique CDR3
14 unique J



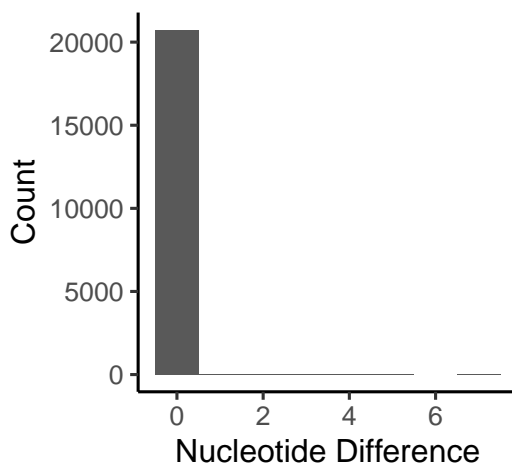
TRBV24–1*ap01

8097 sequences assigned
8057 (99.5%) exact matches, in which:
8045 unique CDR3
14 unique J



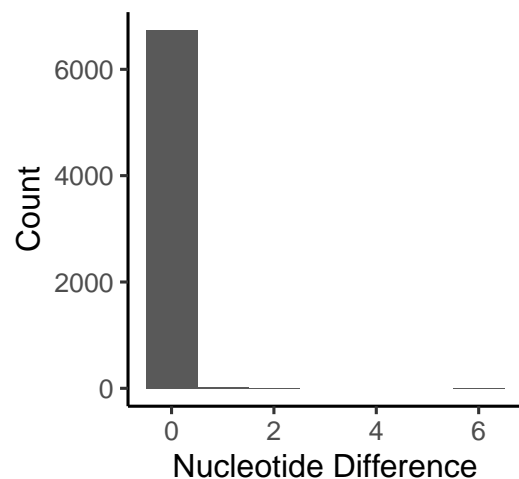
TRBV5–1*ap01

20780 sequences assigned
20742 (99.8%) exact matches, in which:
20713 unique CDR3
14 unique J



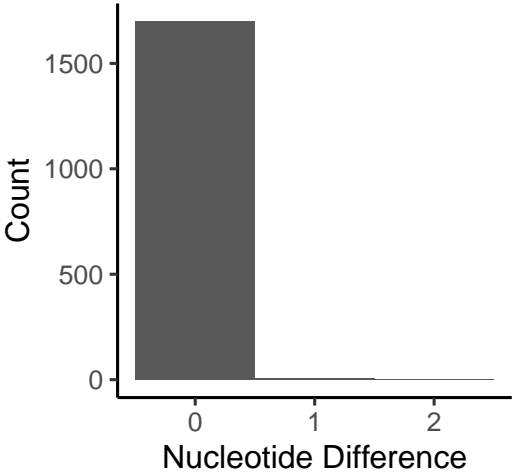
TRBV5–4*ap01

6762 sequences assigned
6739 (99.7%) exact matches, in which:
6736 unique CDR3
14 unique J



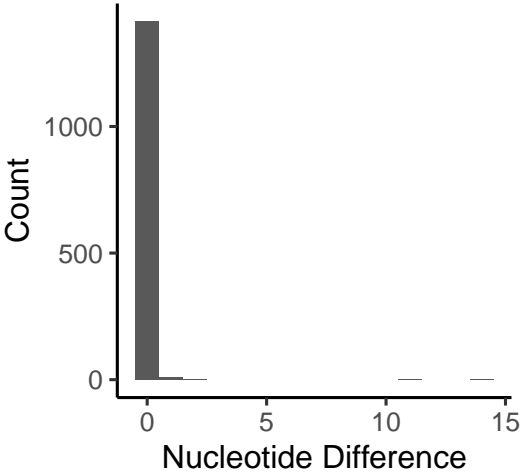
TRBV5-5*ap01

1708 sequences assigned
1699 (99.5%) exact matches, in which:
1697 unique CDR3
14 unique J



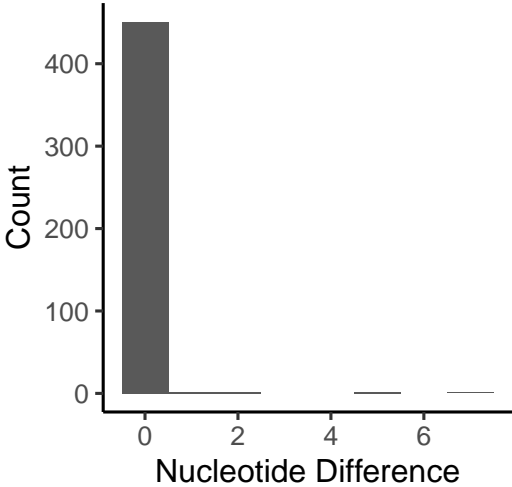
TRBV5-8*ap01

1430 sequences assigned
1415 (99%) exact matches, in which:
1415 unique CDR3
14 unique J



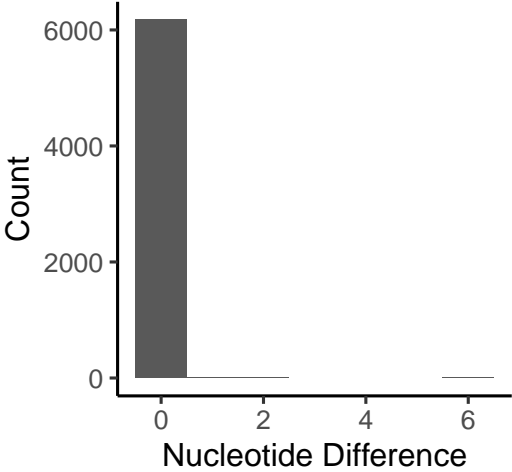
TRBV6-7*ap01

458 sequences assigned
451 (98.5%) exact matches, in which:
451 unique CDR3
14 unique J



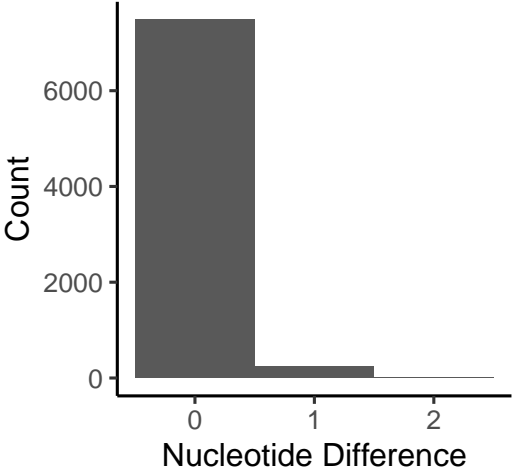
TRBV5-6*ap01

6191 sequences assigned
6176 (99.8%) exact matches, in which:
6169 unique CDR3
14 unique J



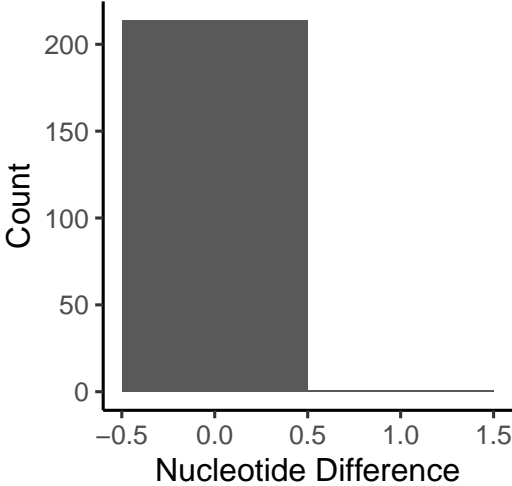
TRBV6-1*ap01

7719 sequences assigned
7482 (96.9%) exact matches, in which:
7474 unique CDR3
14 unique J



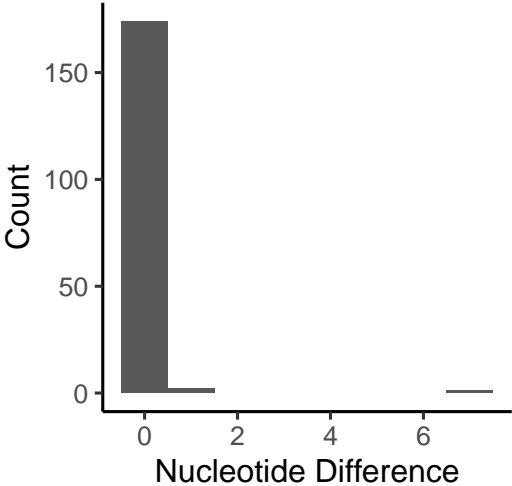
TRBV6-8*ap01

215 sequences assigned
214 (99.5%) exact matches, in which:
214 unique CDR3
14 unique J



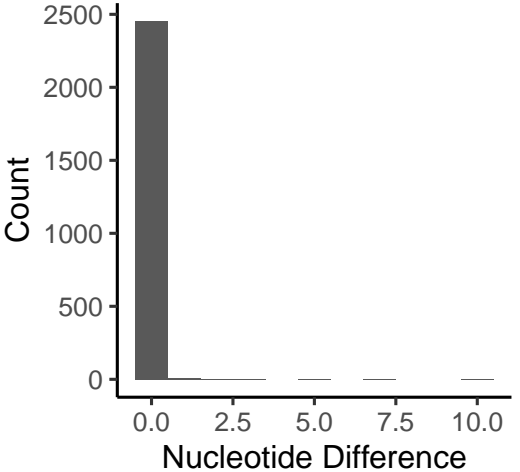
TRBV5-7*ap01

177 sequences assigned
174 (98.3%) exact matches, in which:
173 unique CDR3
14 unique J



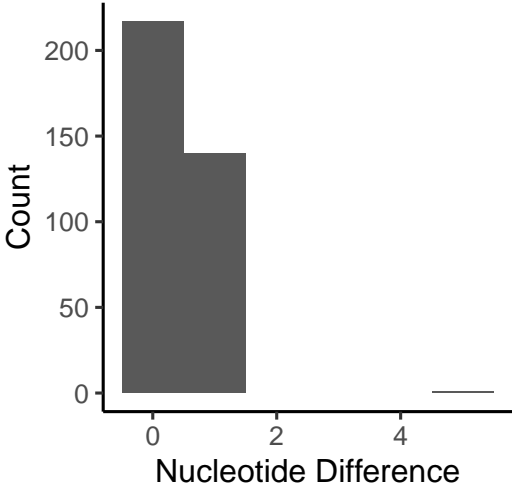
TRBV6-4*ap01

2470 sequences assigned
2454 (99.4%) exact matches, in which:
2454 unique CDR3
14 unique J



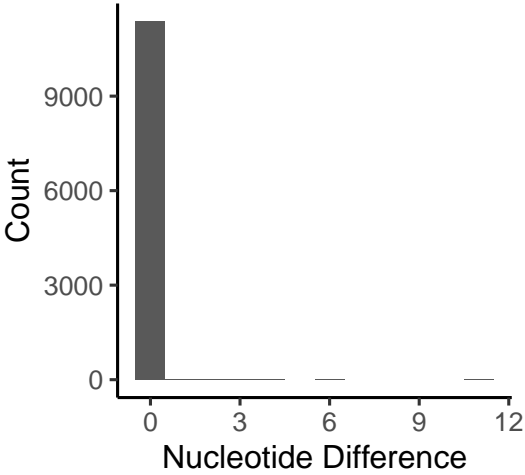
TRBV6-9*ap01

358 sequences assigned
217 (60.6%) exact matches, in which:
217 unique CDR3
14 unique J



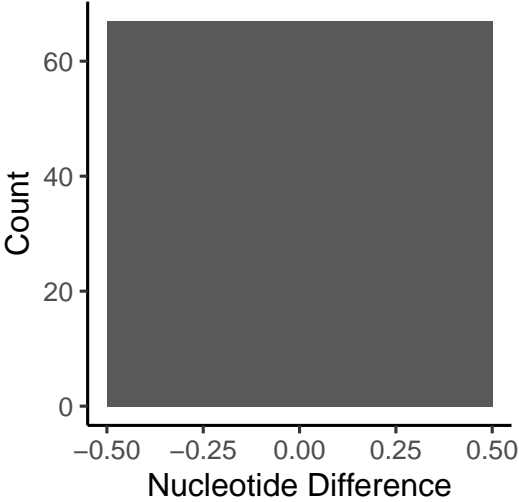
TRBV6-23*ap01

11406 sequences assigned
11372 (99.7%) exact matches, in which:
11350 unique CDR3
14 unique J



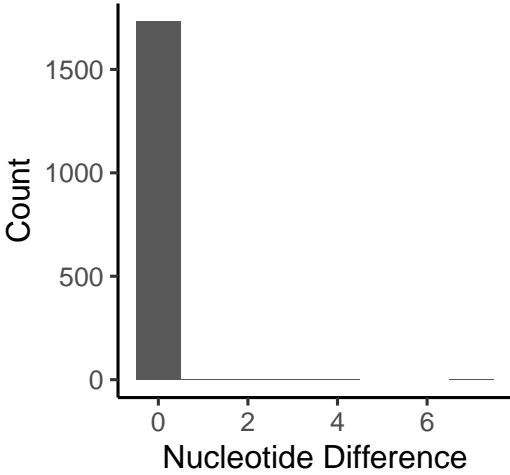
TRBV7-1*ap01_G291C_T

67 sequences assigned
67 (100%) exact matches, in which:
67 unique CDR3
11 unique J



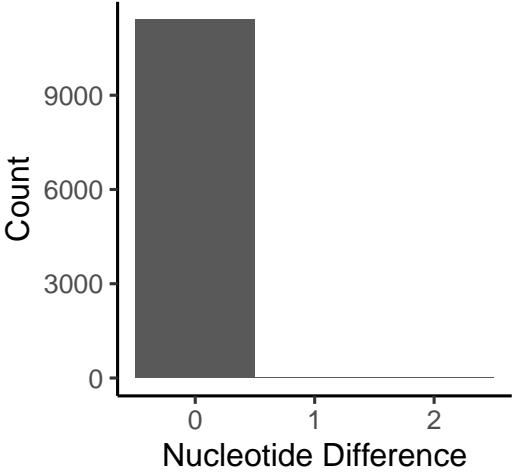
TRBV7-3*ap03

1745 sequences assigned
1732 (99.3%) exact matches, in which:
1732 unique CDR3
14 unique J



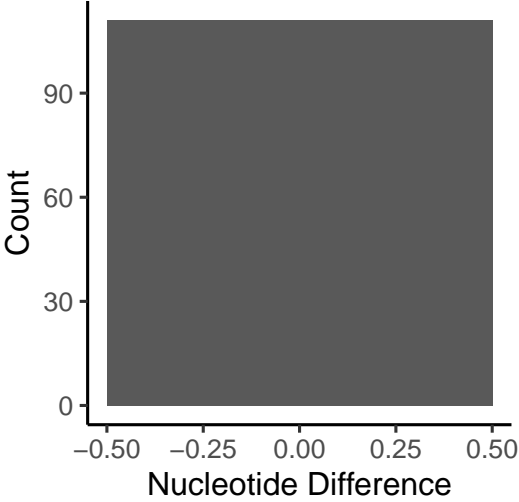
TRBV6-56*ap01

11426 sequences assigned
11404 (99.8%) exact matches, in which:
11395 unique CDR3
14 unique J



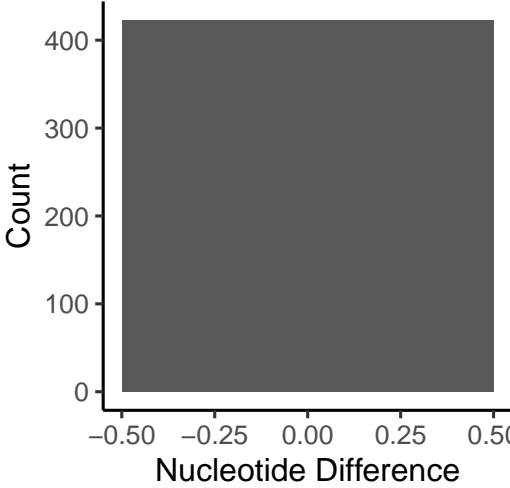
TRBV7-1*ap01_G291C_T

111 sequences assigned
111 (100%) exact matches, in which:
111 unique CDR3
12 unique J



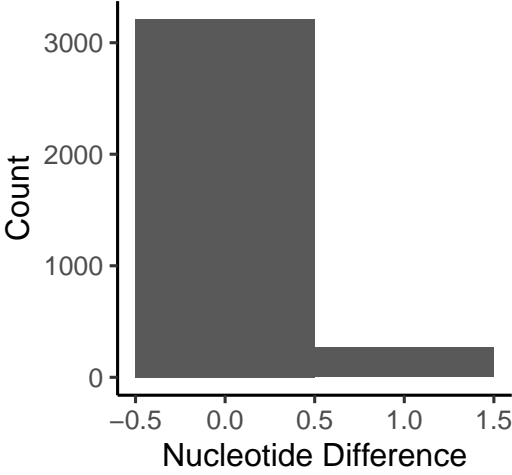
TRBV7-4*ap01

423 sequences assigned
423 (100%) exact matches, in which:
423 unique CDR3
14 unique J



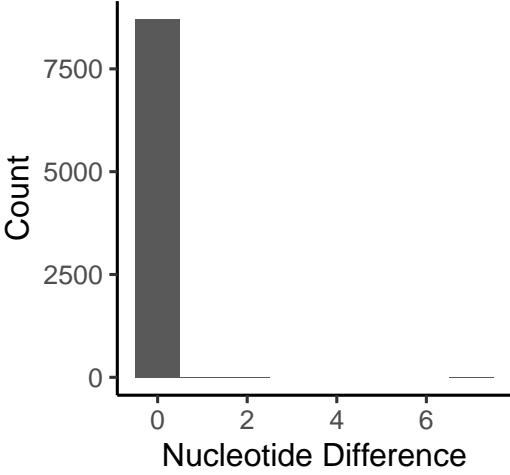
TRBV6-56*ap02

3480 sequences assigned
3212 (92.3%) exact matches, in which:
3209 unique CDR3
14 unique J



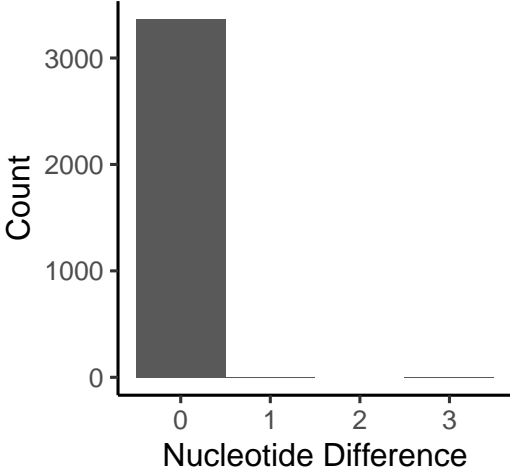
TRBV7-2*ap01

8718 sequences assigned
8711 (99.9%) exact matches, in which:
8709 unique CDR3
14 unique J



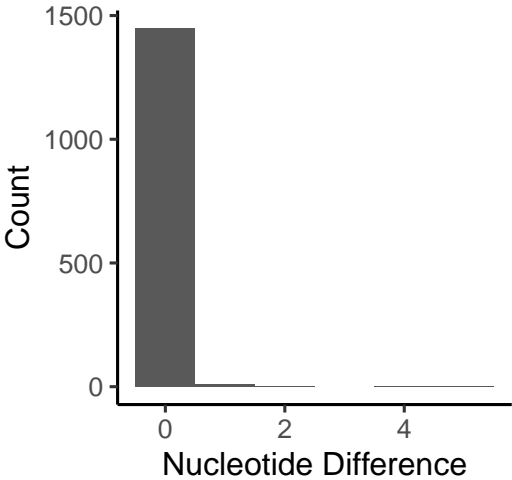
TRBV7-6*ap01

3370 sequences assigned
3366 (99.9%) exact matches, in which:
3363 unique CDR3
14 unique J



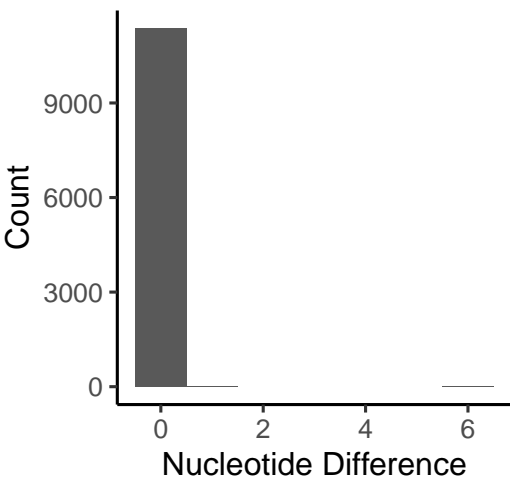
TRBV7-7*ap01_C315T

1462 sequences assigned
1448 (99%) exact matches, in which:
1447 unique CDR3
14 unique J



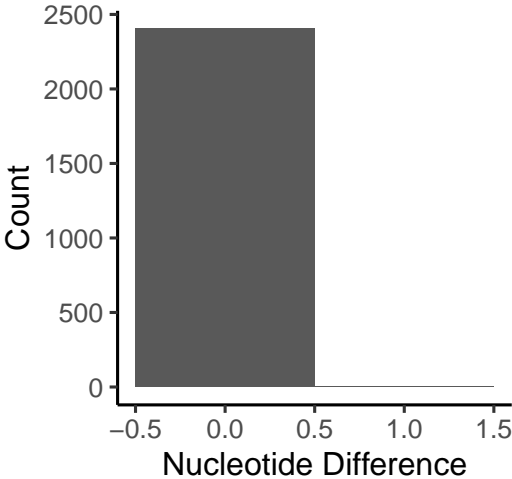
TRBV7-9*ap01

11381 sequences assigned
11365 (99.9%) exact matches, in which:
11363 unique CDR3
14 unique J



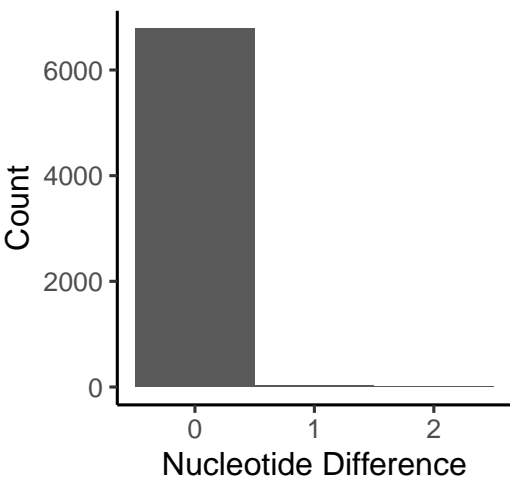
TRBV7-8*ap01

2407 sequences assigned
2404 (99.9%) exact matches, in which:
2404 unique CDR3
14 unique J



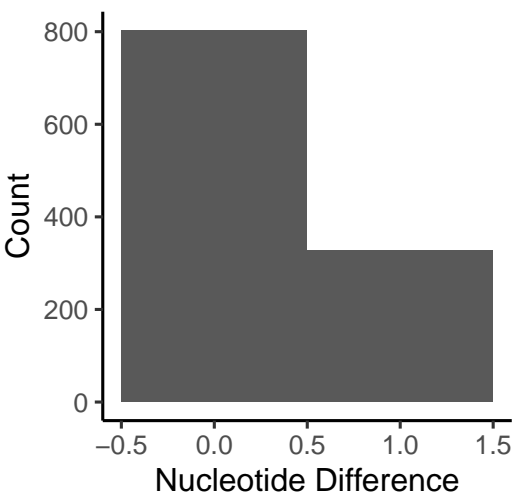
TRBV29-1*ap01

6807 sequences assigned
6781 (99.6%) exact matches, in which:
6750 unique CDR3
14 unique J



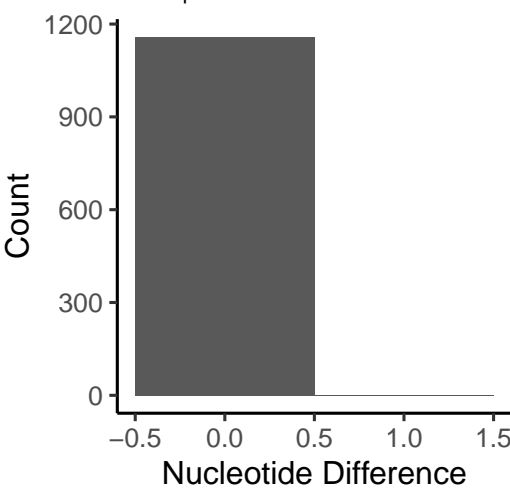
TRBV7-8*ap03

1130 sequences assigned
803 (71.1%) exact matches, in which:
802 unique CDR3
14 unique J

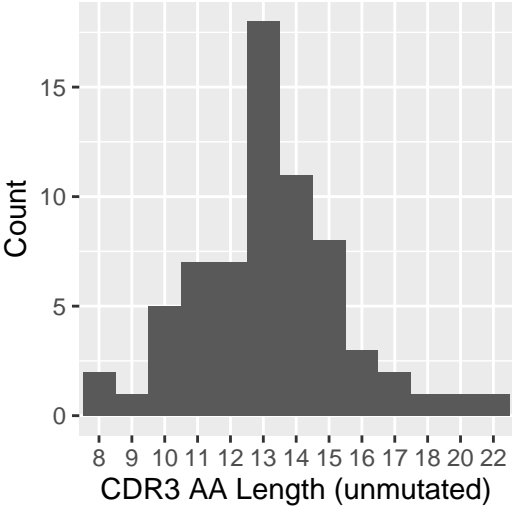


TRBV29-1*ap02

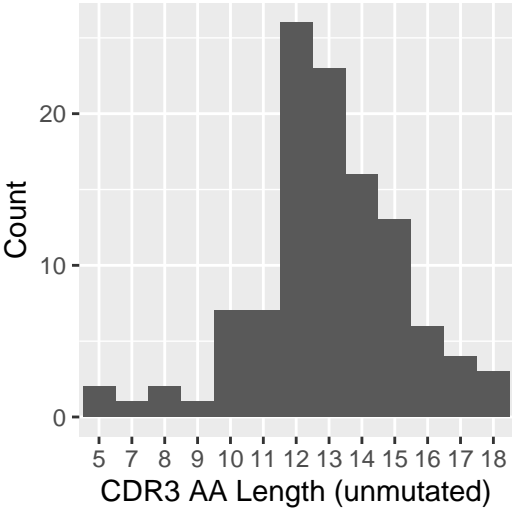
1160 sequences assigned
1158 (99.8%) exact matches, in which:
1155 unique CDR3
14 unique J



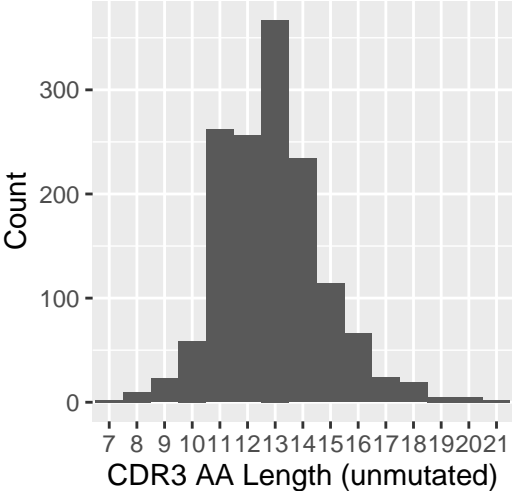
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T



Allele Usage

