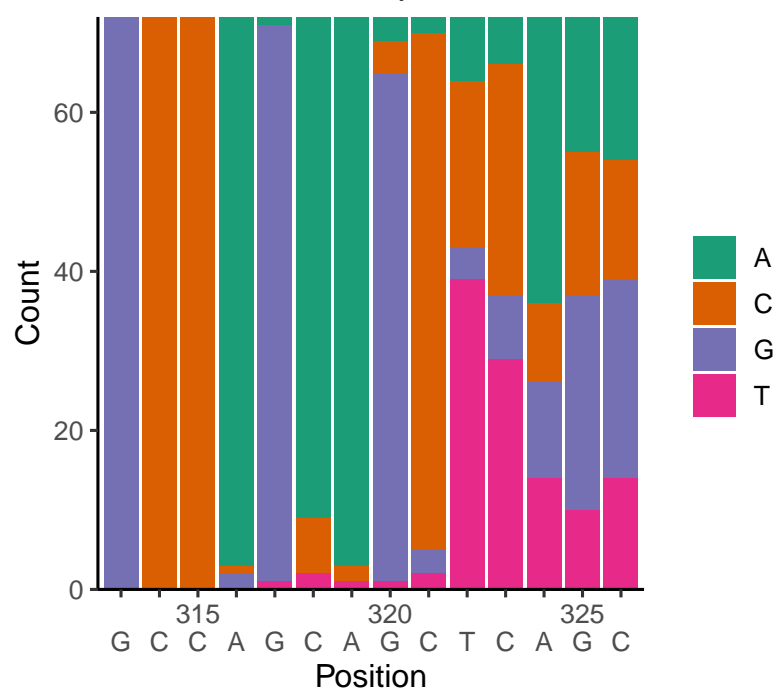
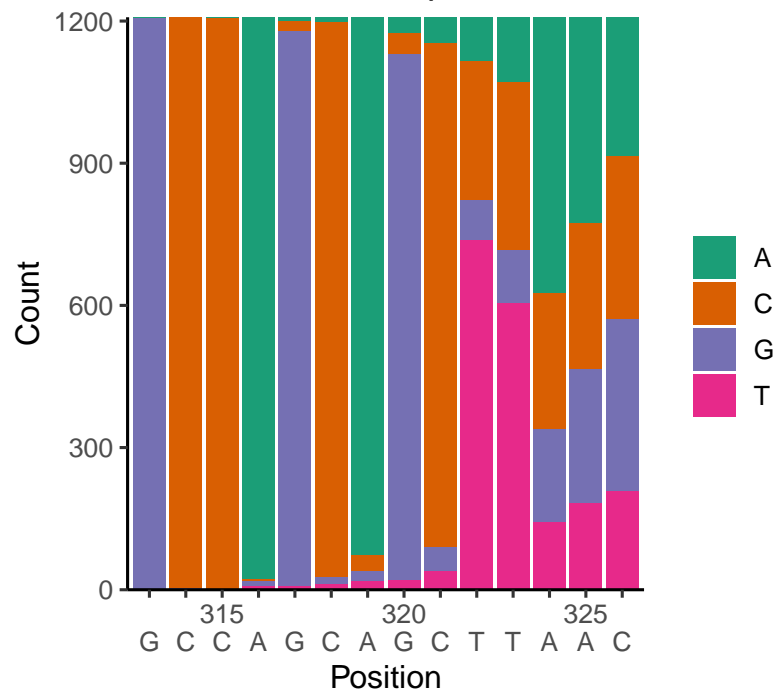


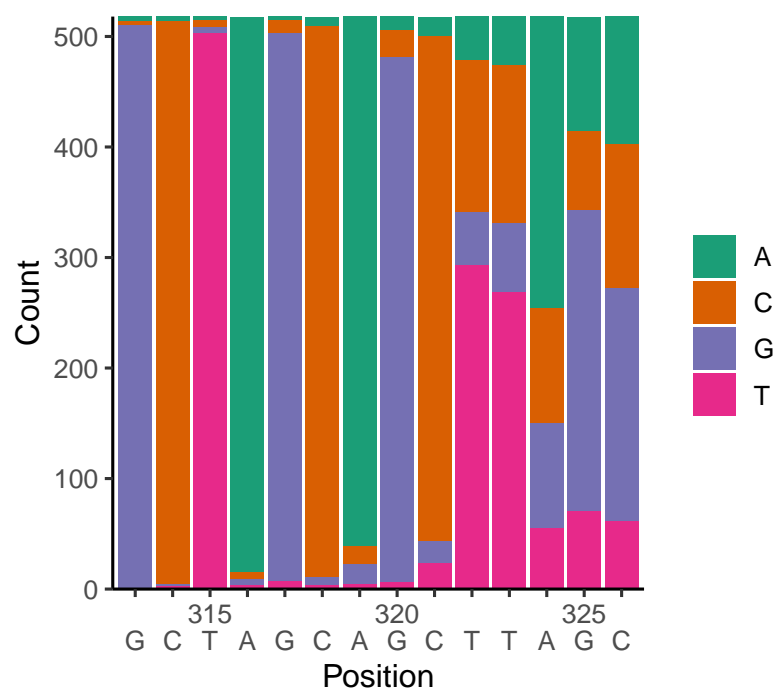
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-3*ap01_G292T



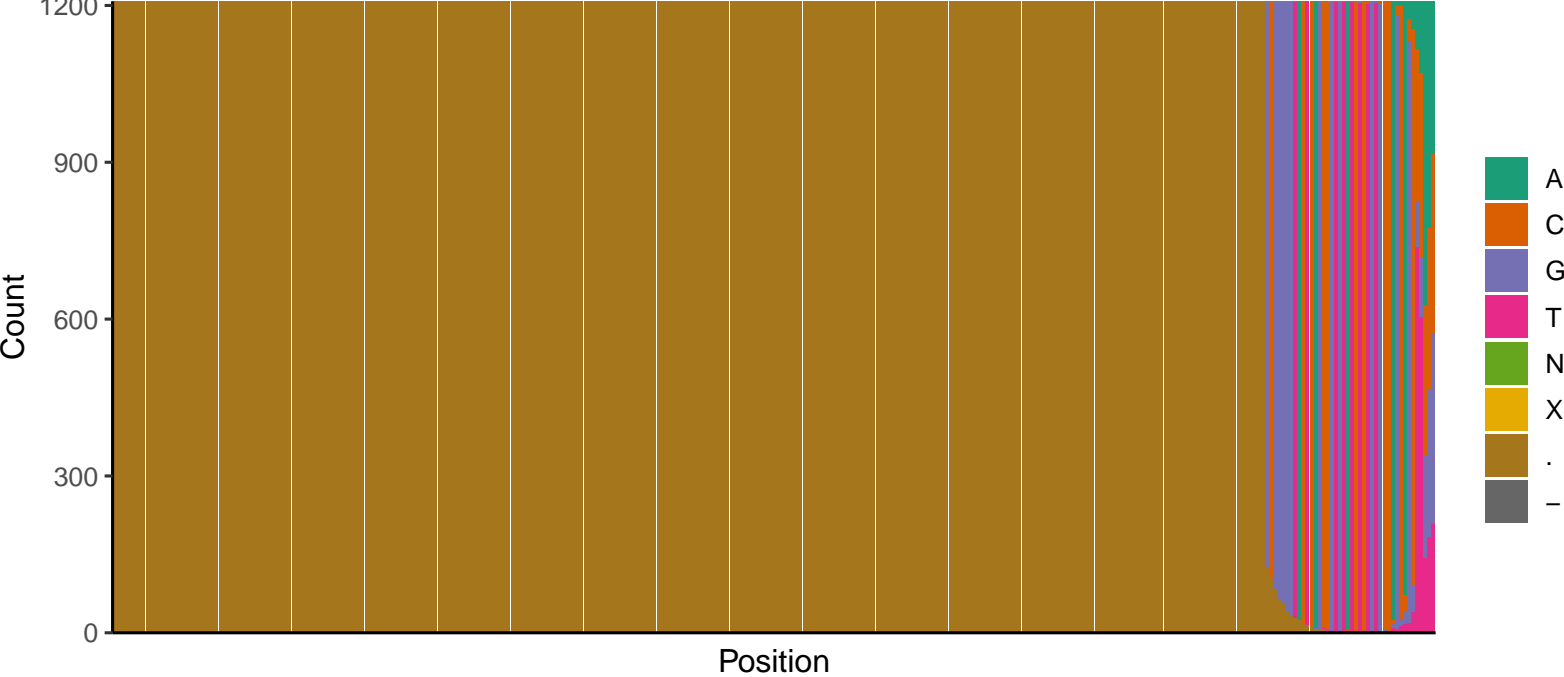
Gene TRBV7-7*ap01_C315T



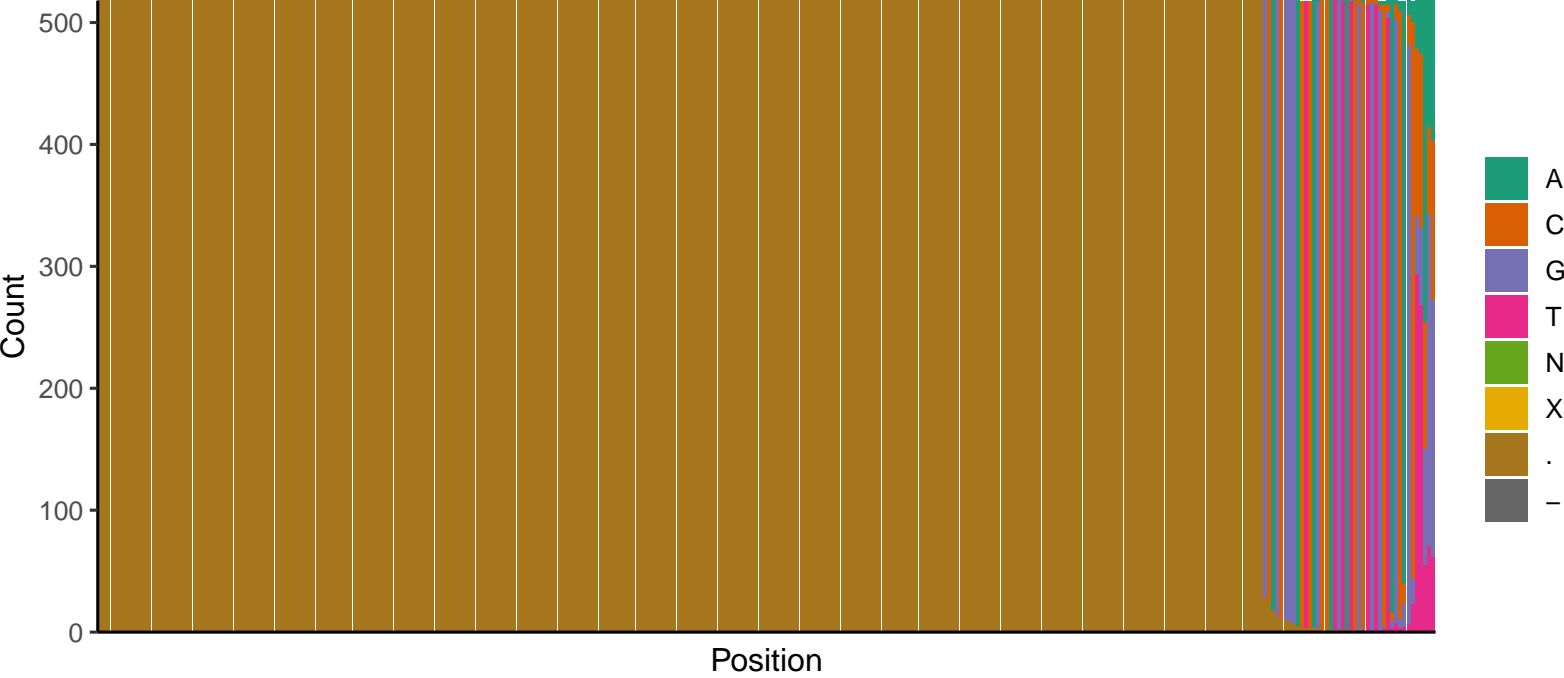
Gene TRBV7-1*ap01_G291C_T296C



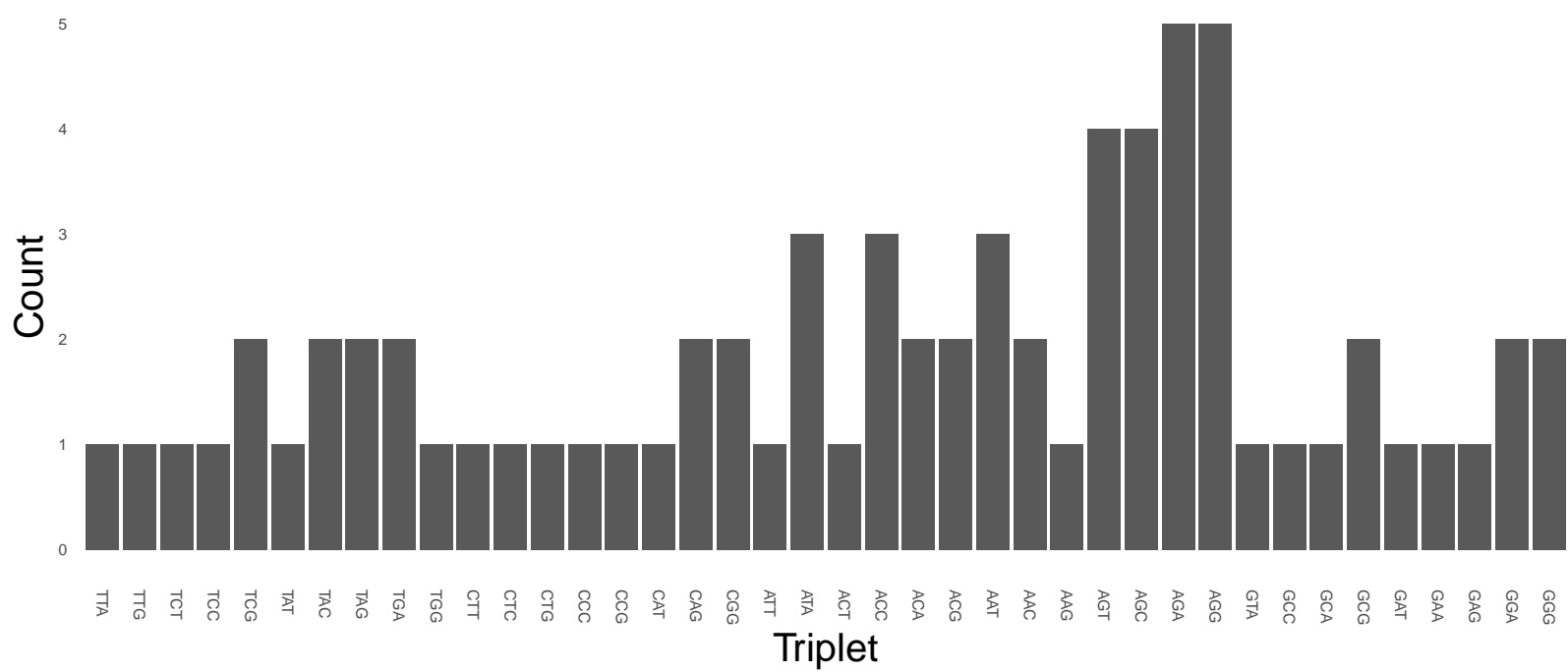
Gene TRBV7-3*ap01_G292T



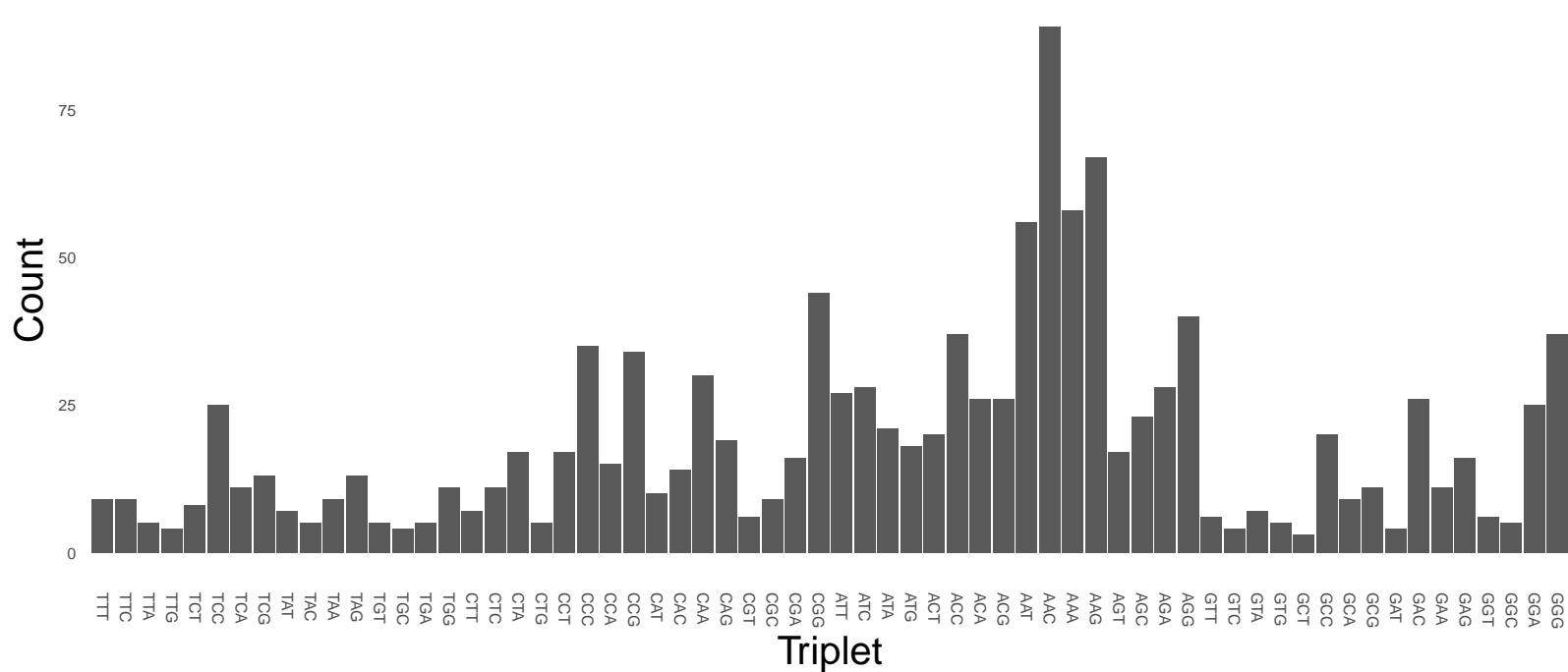
Gene TRBV7-7*ap01_C315T



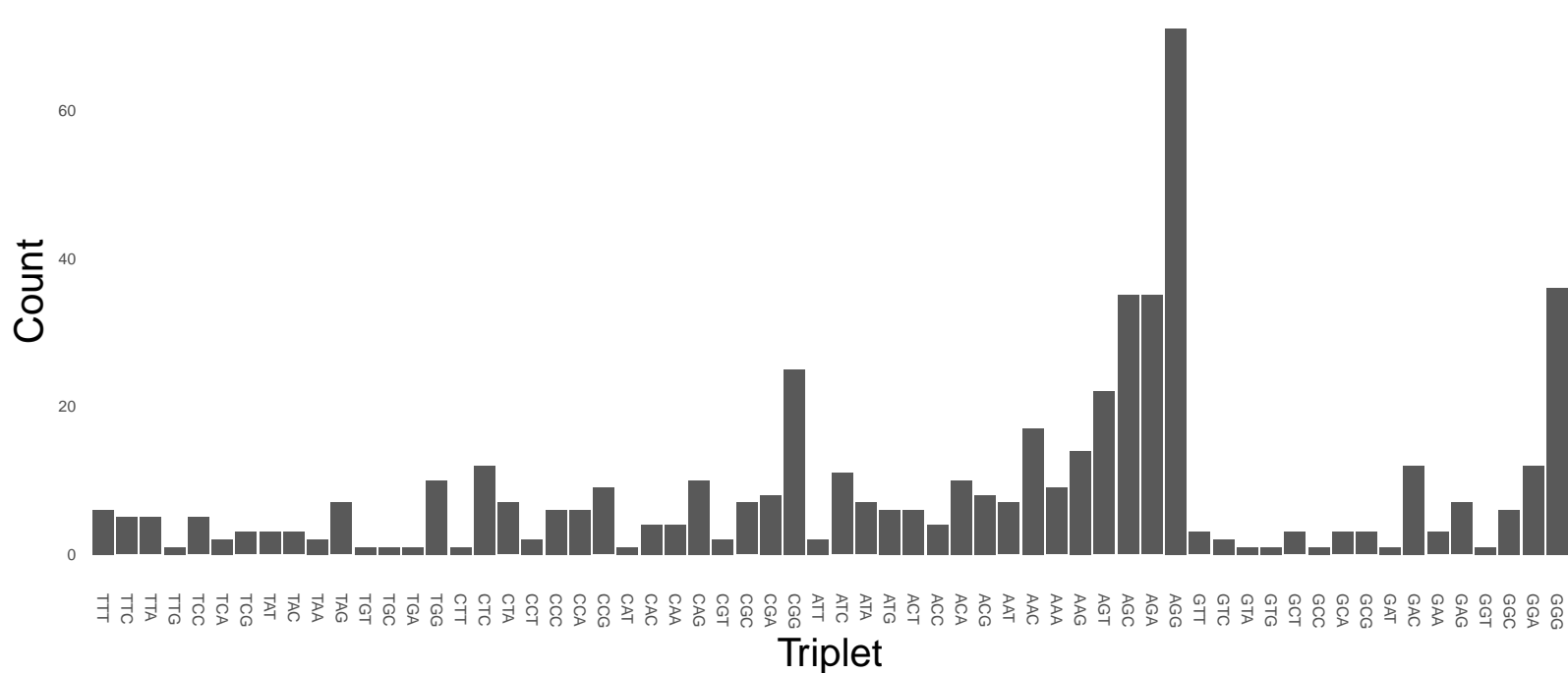
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

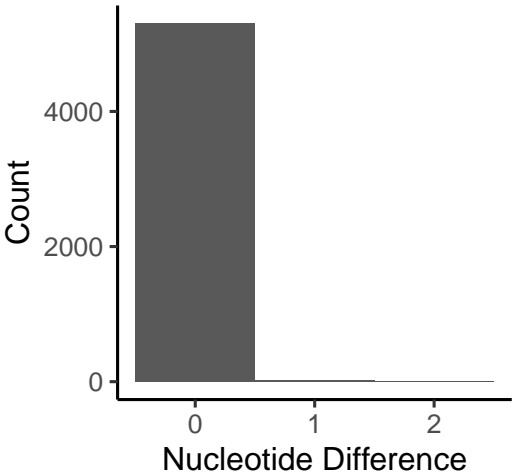


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



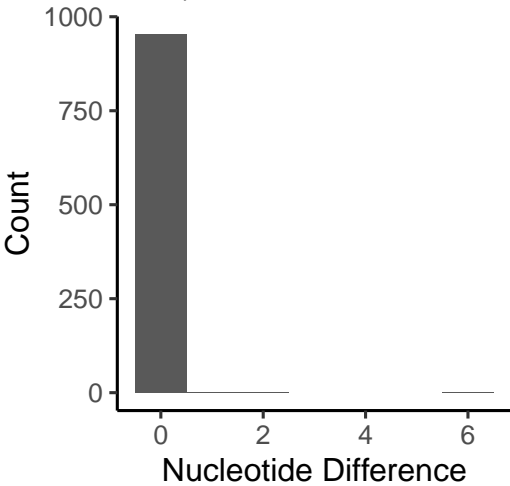
TRBV20-1*ap01

5331 sequences assigned
5303 (99.5%) exact matches, in which:
5285 unique CDR3
13 unique J



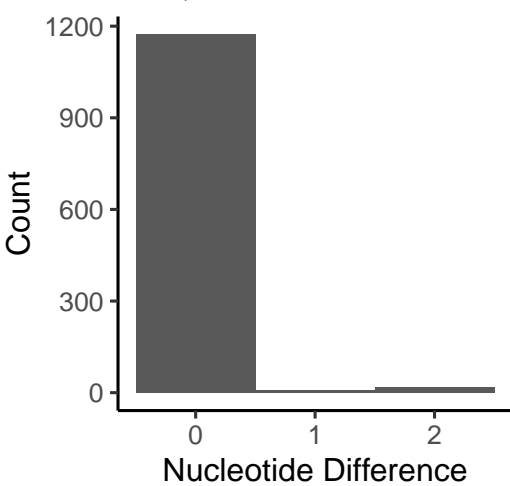
TRBV10-2*ap01

957 sequences assigned
953 (99.6%) exact matches, in which:
950 unique CDR3
13 unique J



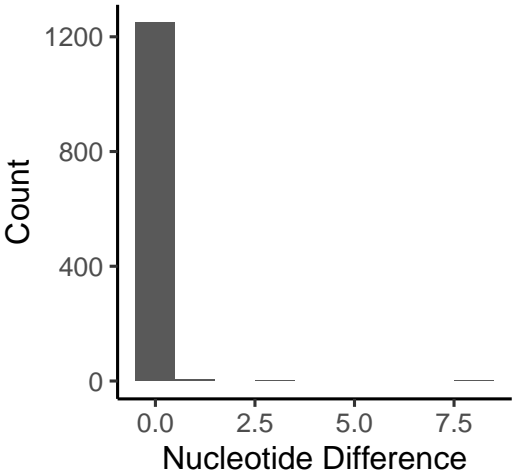
TRBV13*ap01

1198 sequences assigned
1173 (97.9%) exact matches, in which:
1170 unique CDR3
13 unique J



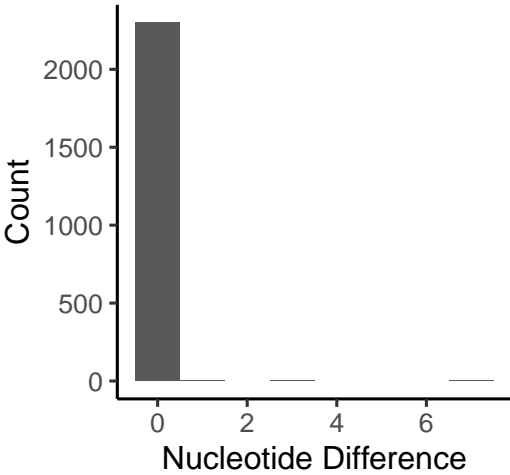
TRBV10-1*ap01

1256 sequences assigned
1249 (99.4%) exact matches, in which:
1239 unique CDR3
13 unique J



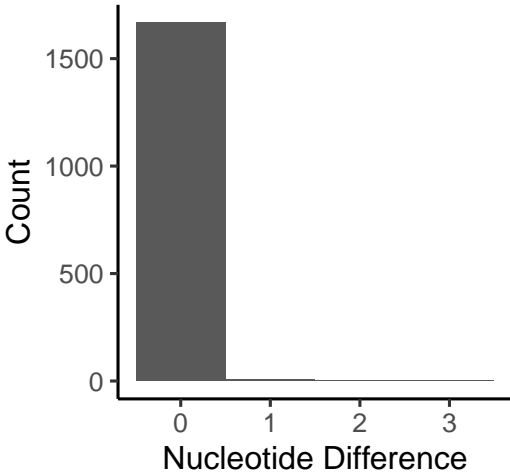
TRBV10-3*ap01

2308 sequences assigned
2299 (99.6%) exact matches, in which:
2293 unique CDR3
13 unique J



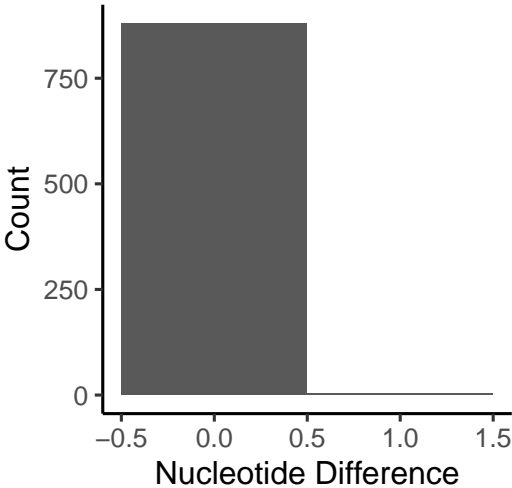
TRBV14*ap01

1674 sequences assigned
1667 (99.6%) exact matches, in which:
1665 unique CDR3
13 unique J



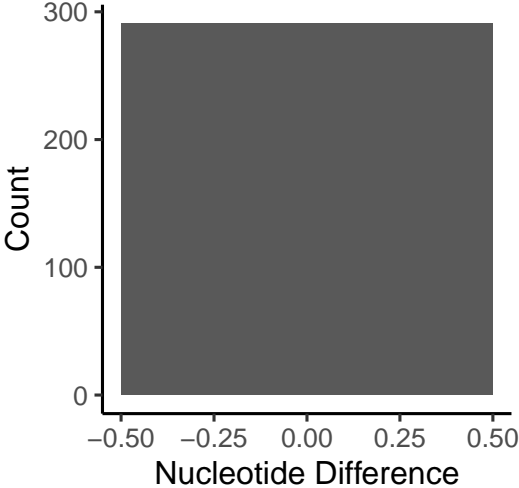
TRBV20-1*ap02

883 sequences assigned
880 (99.7%) exact matches, in which:
876 unique CDR3
13 unique J



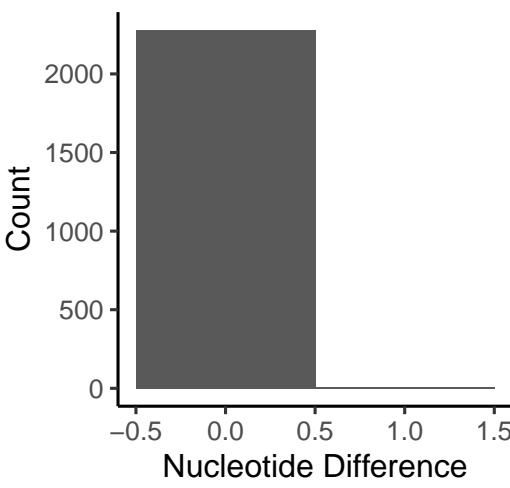
TRBV1*ap01

291 sequences assigned
291 (100%) exact matches, in which:
290 unique CDR3
13 unique J



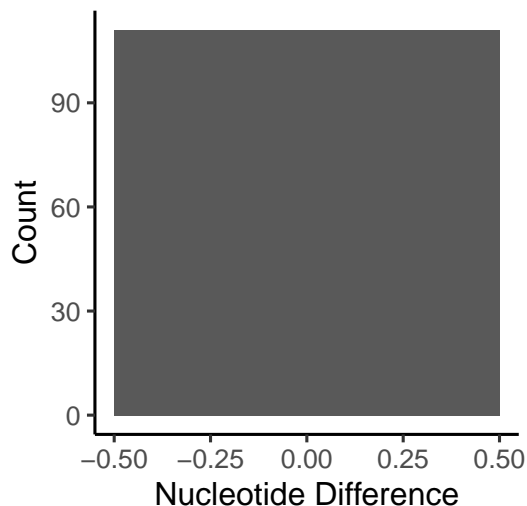
TRBV15*ap02

2289 sequences assigned
2279 (99.6%) exact matches, in which:
2265 unique CDR3
13 unique J



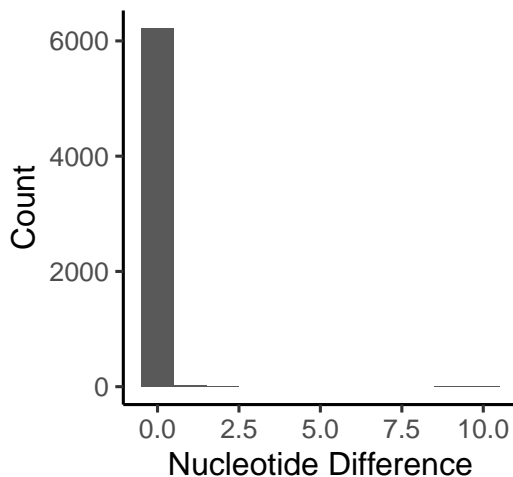
TRBV16*ap01

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



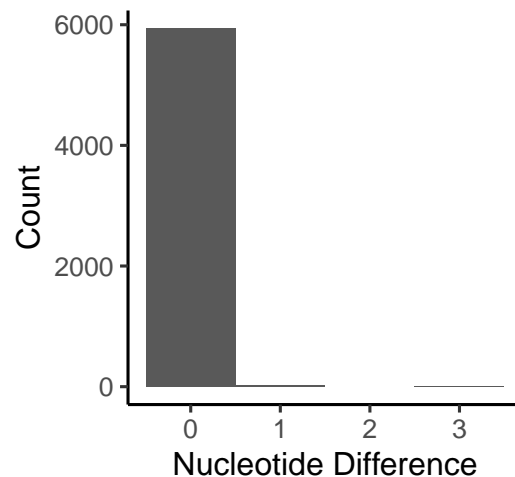
TRBV2*ap01

6251 sequences assigned
6217 (99.5%) exact matches, in which:
6210 unique CDR3
13 unique J



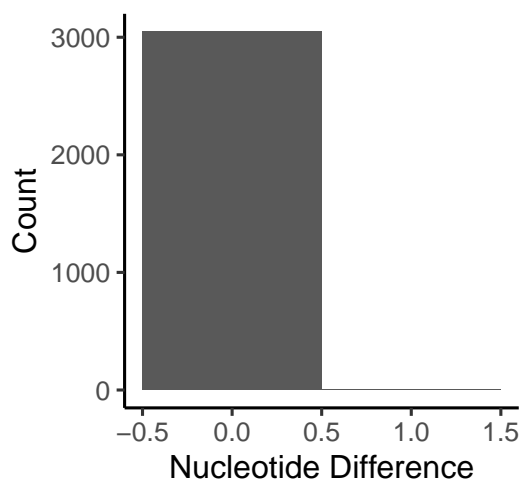
TRBV28*ap01

5957 sequences assigned
5939 (99.7%) exact matches, in which:
5921 unique CDR3
13 unique J



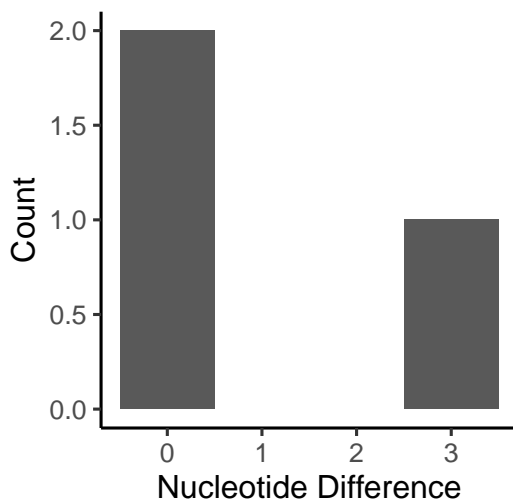
TRBV18*ap01

3049 sequences assigned
3047 (99.9%) exact matches, in which:
3045 unique CDR3
13 unique J



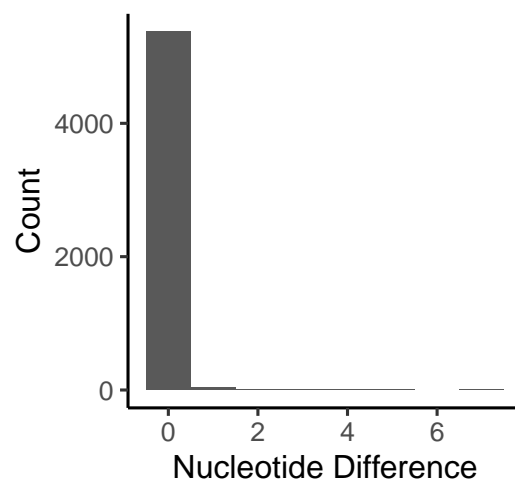
TRBV26*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



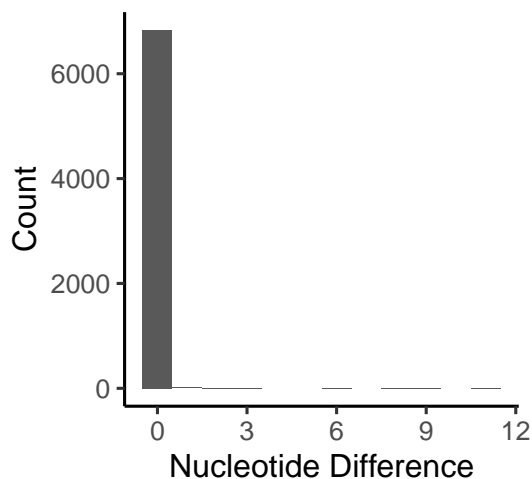
TRBV30*ap01

5421 sequences assigned
5374 (99.1%) exact matches, in which:
5361 unique CDR3
13 unique J



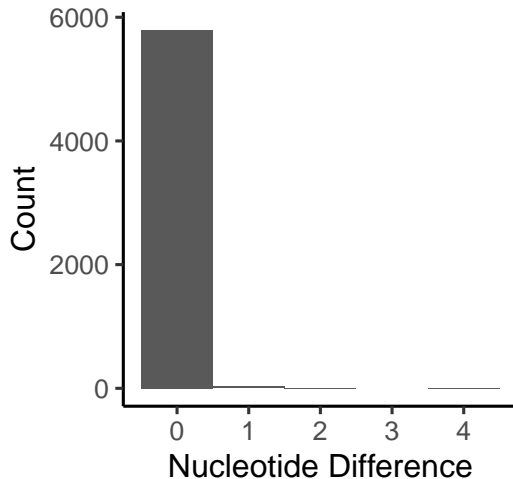
TRBV19*ap01

6860 sequences assigned
6833 (99.6%) exact matches, in which:
6825 unique CDR3
13 unique J



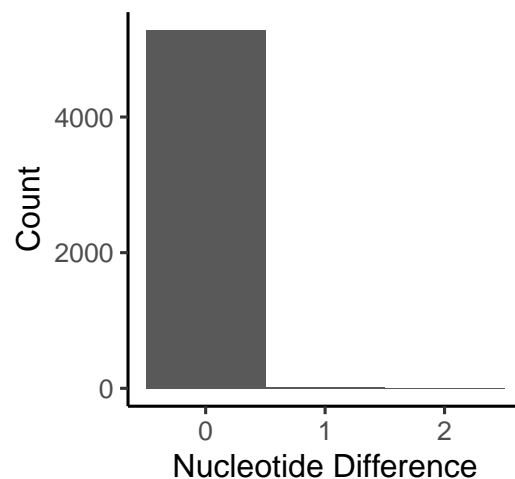
TRBV27*ap01

5825 sequences assigned
5793 (99.5%) exact matches, in which:
5777 unique CDR3
13 unique J



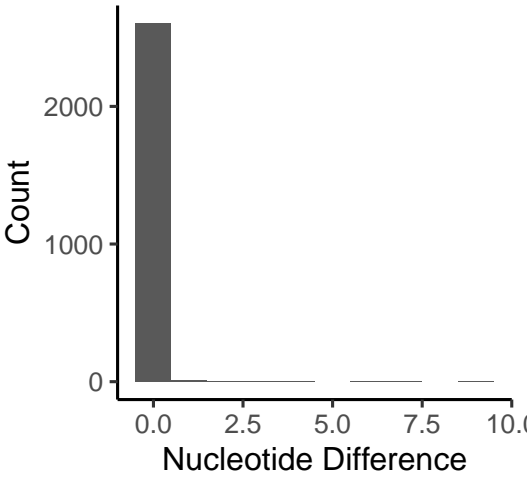
TRBV9*ap01

5298 sequences assigned
5282 (99.7%) exact matches, in which:
5265 unique CDR3
13 unique J



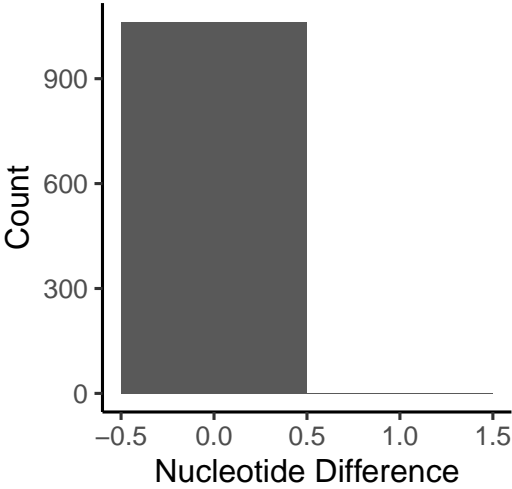
TRBV21-1*ap01

2622 sequences assigned
2603 (99.3%) exact matches, in which:
2601 unique CDR3
13 unique J



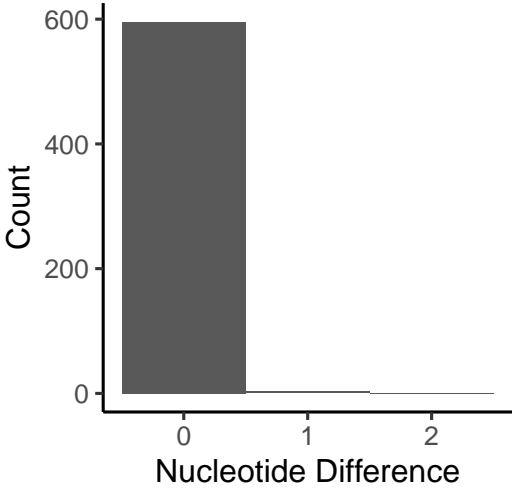
TRBV11-3*ap01

1064 sequences assigned
1063 (99.9%) exact matches, in which:
1059 unique CDR3
13 unique J



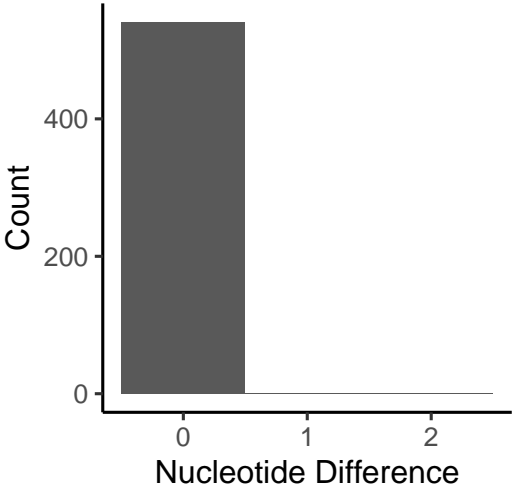
TRBV12-5*ap01

600 sequences assigned
596 (99.3%) exact matches, in which:
596 unique CDR3
13 unique J



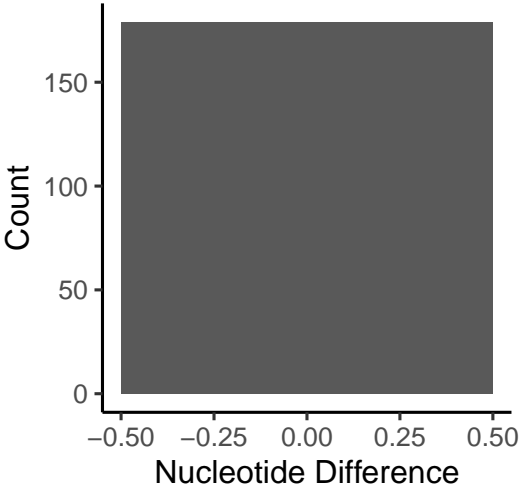
TRBV11-1*ap01

543 sequences assigned
541 (99.6%) exact matches, in which:
539 unique CDR3
13 unique J



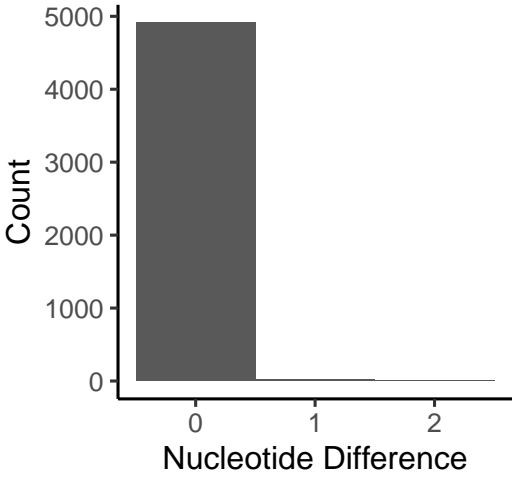
TRBV12-1*ap01

179 sequences assigned
179 (100%) exact matches, in which:
179 unique CDR3
13 unique J



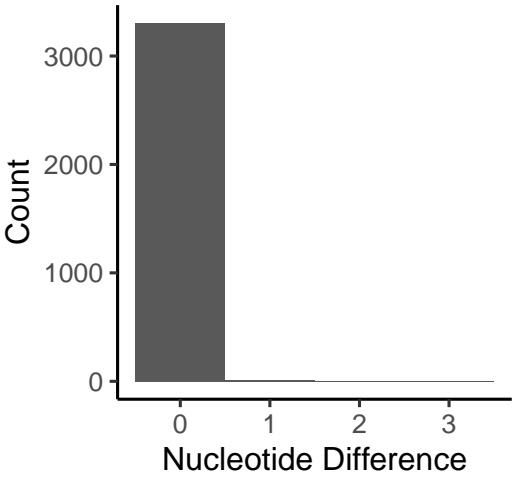
TRBV12-34*ap01

4935 sequences assigned
4912 (99.5%) exact matches, in which:
4900 unique CDR3
13 unique J



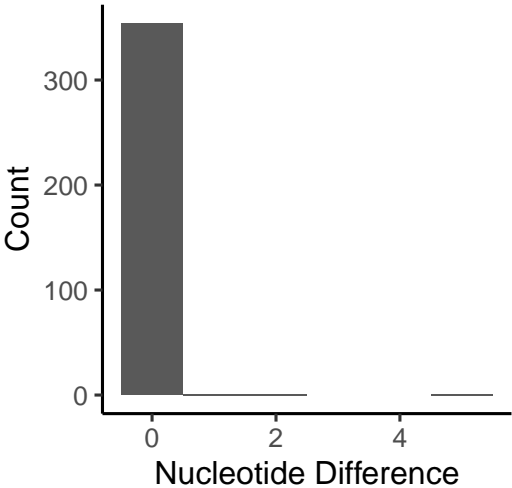
TRBV11-2*ap01

3318 sequences assigned
3304 (99.6%) exact matches, in which:
3297 unique CDR3
13 unique J



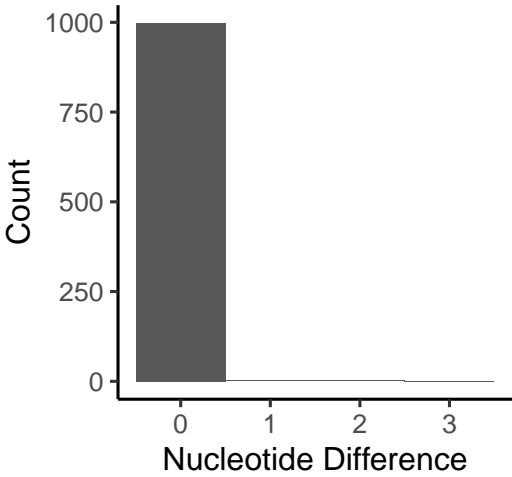
TRBV12-2*ap01

357 sequences assigned
354 (99.2%) exact matches, in which:
352 unique CDR3
13 unique J



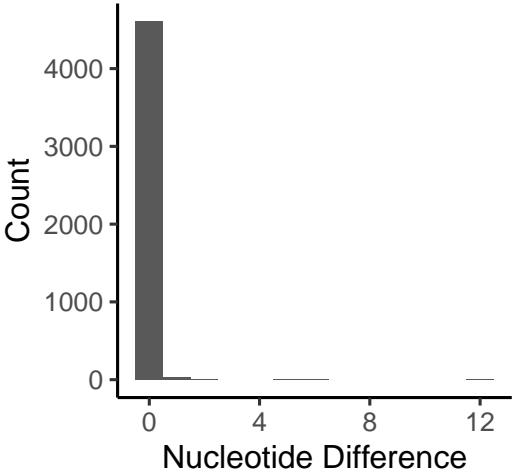
TRBV23-1*ap01

1003 sequences assigned
998 (99.5%) exact matches, in which:
997 unique CDR3
13 unique J



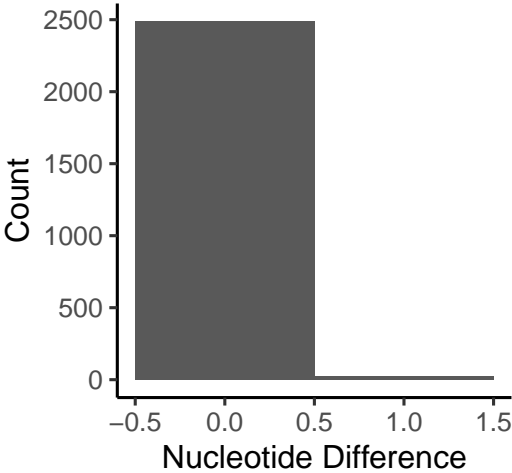
TRBV3-12*ap01

4642 sequences assigned
4607 (99.2%) exact matches, in which:
4593 unique CDR3
13 unique J



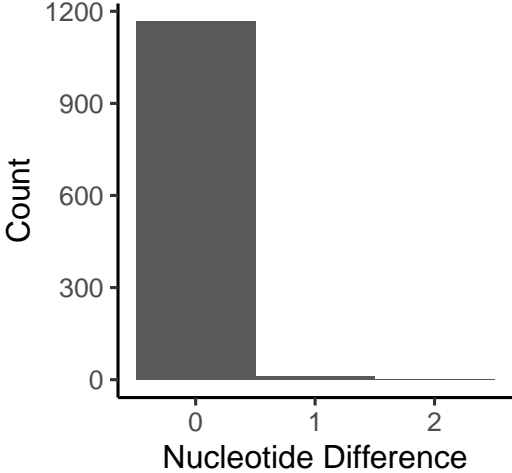
TRBV4-2*ap01

2511 sequences assigned
2488 (99.1%) exact matches, in which:
2479 unique CDR3
13 unique J



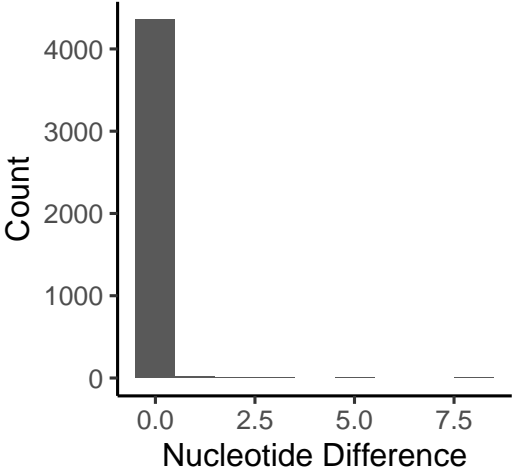
TRBV25-1*ap01

1178 sequences assigned
1167 (99.1%) exact matches, in which:
1165 unique CDR3
13 unique J



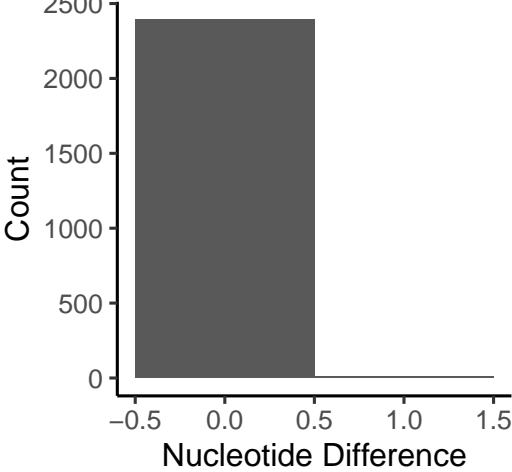
TRBV4-1*ap01

4381 sequences assigned
4355 (99.4%) exact matches, in which:
4346 unique CDR3
13 unique J



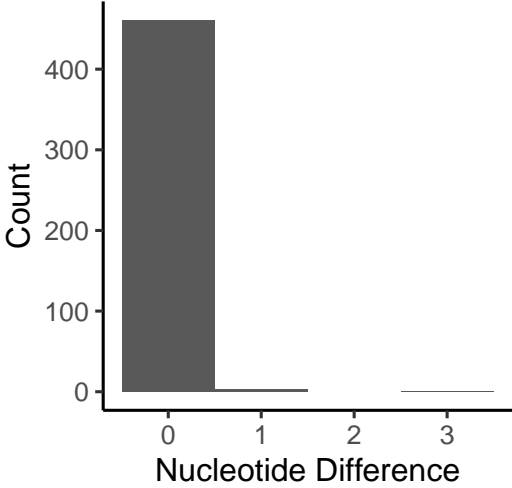
TRBV4-3*ap01

2401 sequences assigned
2392 (99.6%) exact matches, in which:
2386 unique CDR3
13 unique J



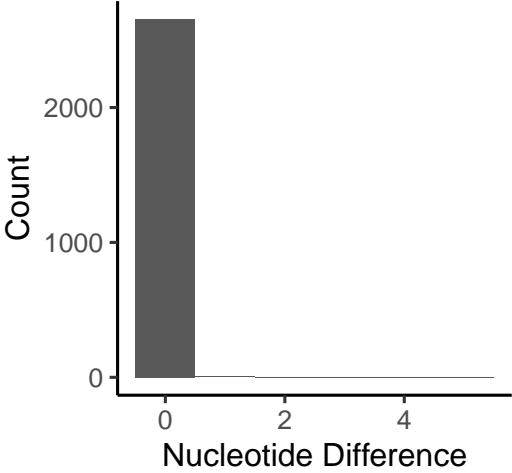
TRBV5-3*ap01

465 sequences assigned
461 (99.1%) exact matches, in which:
459 unique CDR3
13 unique J



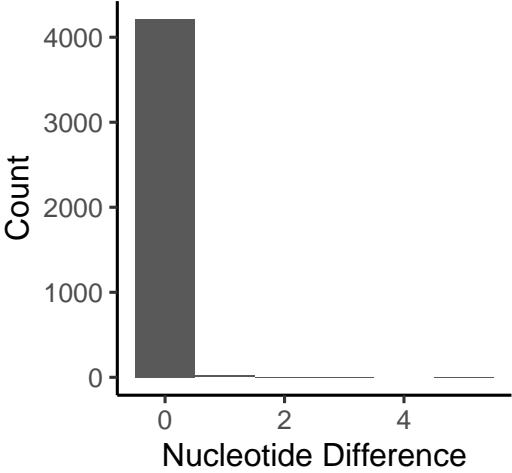
TRBV24-1*ap01

2673 sequences assigned
2656 (99.4%) exact matches, in which:
2647 unique CDR3
13 unique J



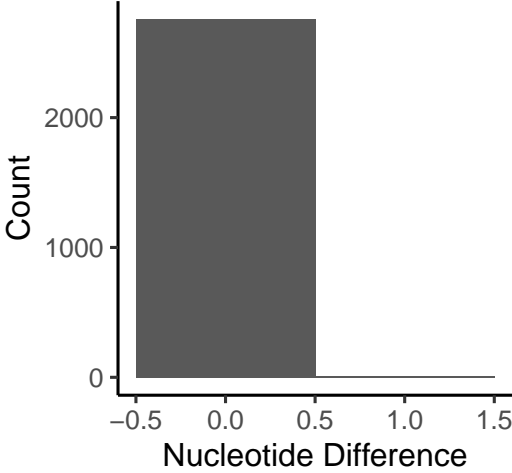
TRBV5-1*ap01

4239 sequences assigned
4214 (99.4%) exact matches, in which:
4157 unique CDR3
13 unique J



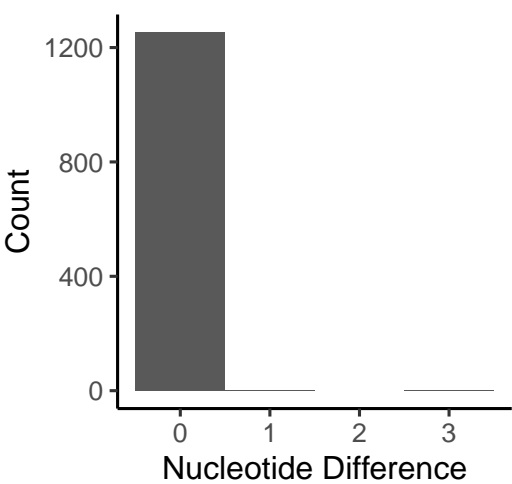
TRBV5-4*ap01

2770 sequences assigned
2759 (99.6%) exact matches, in which:
2755 unique CDR3
13 unique J



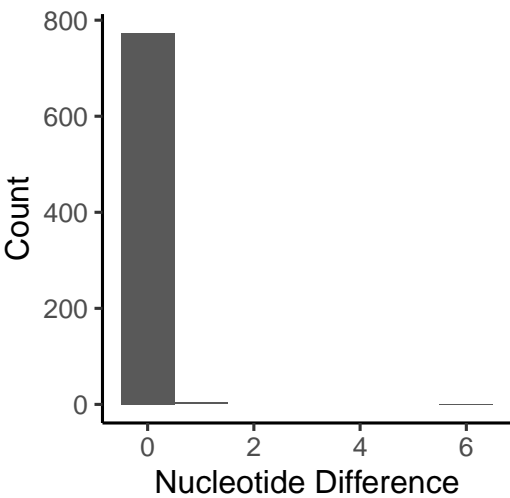
TRBV5-5*ap01

1257 sequences assigned
1253 (99.7%) exact matches, in which:
1251 unique CDR3
13 unique J



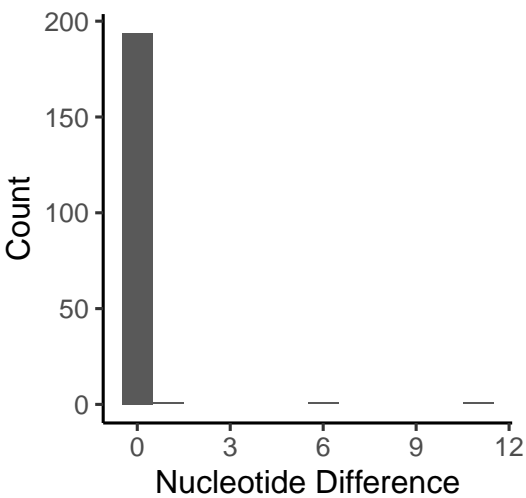
TRBV5-8*ap01

779 sequences assigned
774 (99.4%) exact matches, in which:
771 unique CDR3
13 unique J



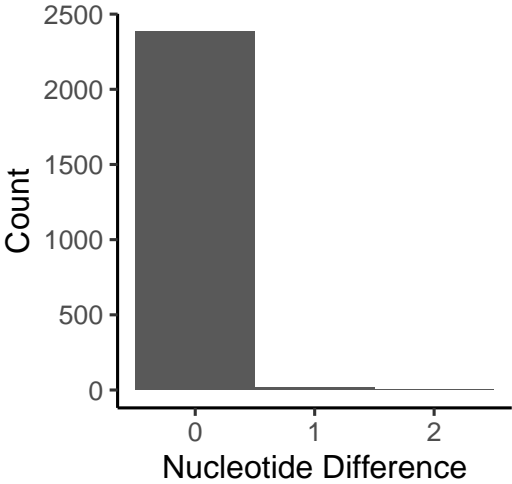
TRBV6-7*ap01

197 sequences assigned
194 (98.5%) exact matches, in which:
192 unique CDR3
13 unique J



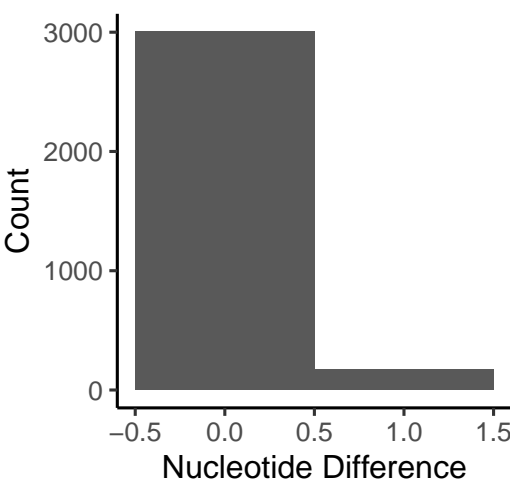
TRBV5-6*ap01

2403 sequences assigned
2383 (99.2%) exact matches, in which:
2374 unique CDR3
13 unique J



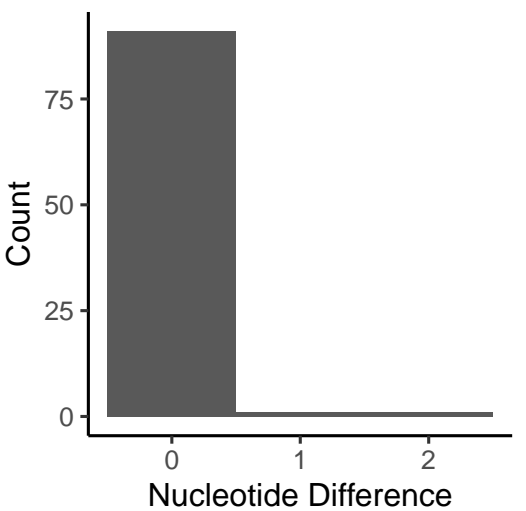
TRBV6-1*ap01

3178 sequences assigned
3004 (94.5%) exact matches, in which:
2993 unique CDR3
13 unique J



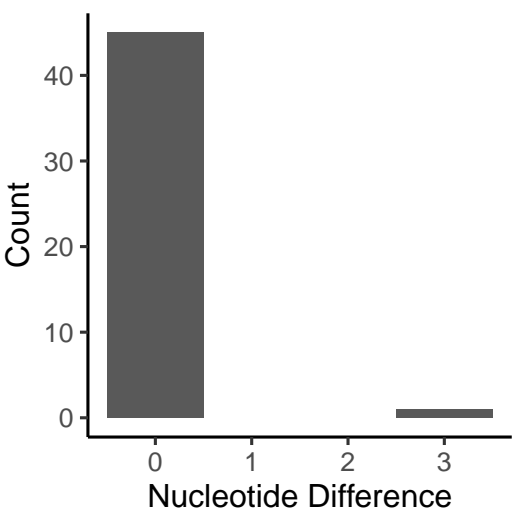
TRBV6-8*ap01

93 sequences assigned
91 (97.8%) exact matches, in which:
91 unique CDR3
12 unique J



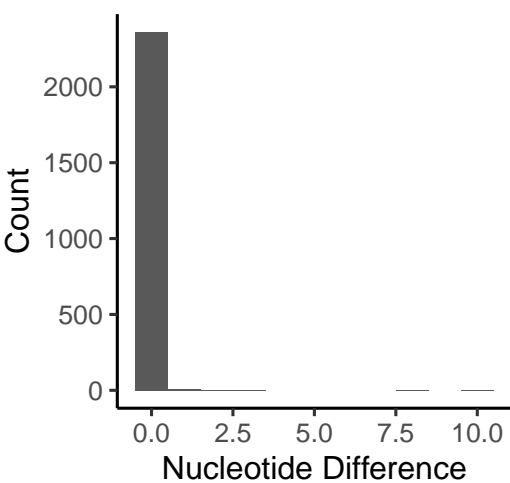
TRBV5-7*ap01

46 sequences assigned
45 (97.8%) exact matches, in which:
45 unique CDR3
10 unique J



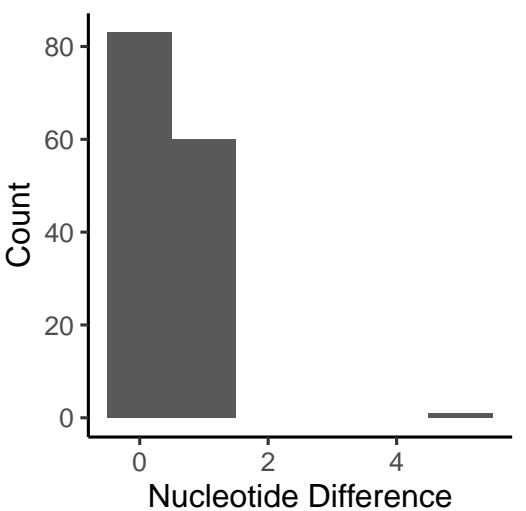
TRBV6-4*ap01

2376 sequences assigned
2361 (99.4%) exact matches, in which:
2355 unique CDR3
13 unique J



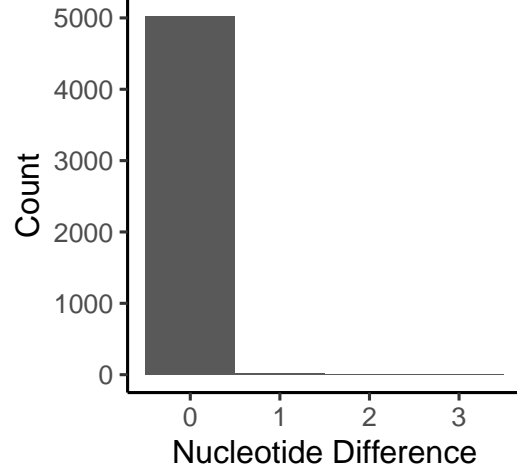
TRBV6-9*ap01

144 sequences assigned
83 (57.6%) exact matches, in which:
83 unique CDR3
12 unique J



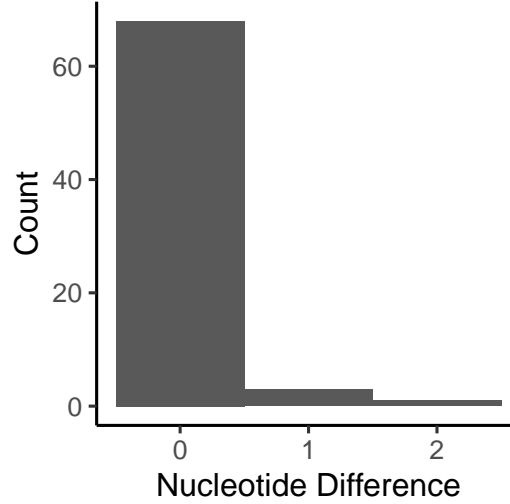
TRBV6-23*ap01

5049 sequences assigned
5021 (99.4%) exact matches, in which:
5009 unique CDR3
13 unique J



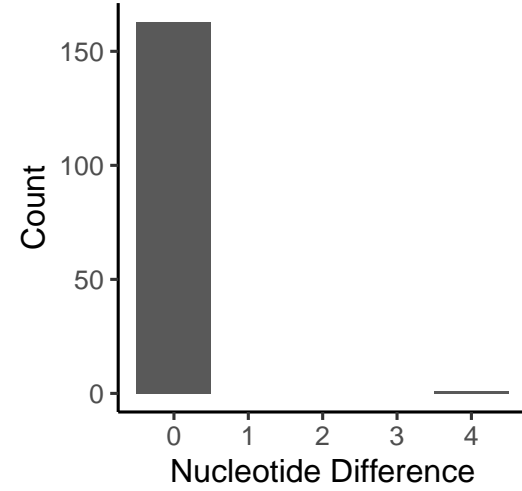
TRBV7-1*ap01_G291C_T

72 sequences assigned
68 (94.4%) exact matches, in which:
68 unique CDR3
11 unique J



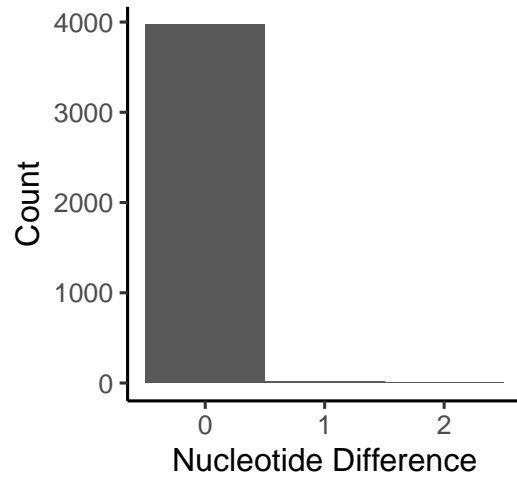
TRBV7-4*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
163 unique CDR3
13 unique J



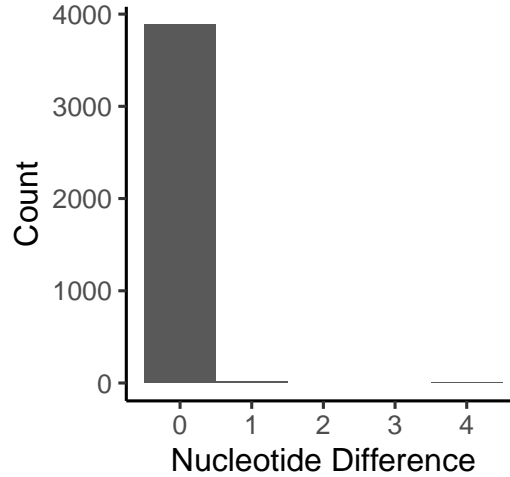
TRBV6-56*ap01

3990 sequences assigned
3970 (99.5%) exact matches, in which:
3958 unique CDR3
13 unique J



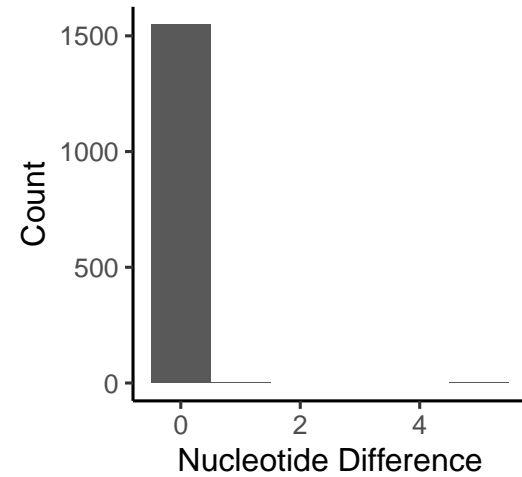
TRBV7-2*ap01

3898 sequences assigned
3885 (99.7%) exact matches, in which:
3881 unique CDR3
13 unique J



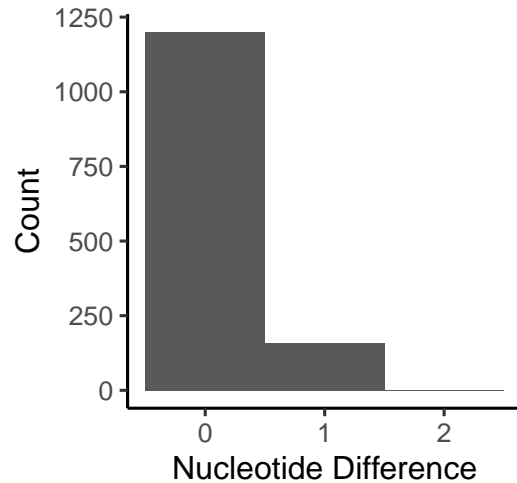
TRBV7-6*ap01

1552 sequences assigned
1548 (99.7%) exact matches, in which:
1540 unique CDR3
13 unique J



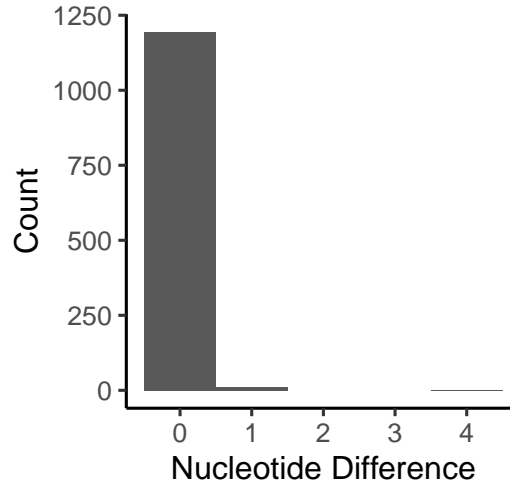
TRBV6-56*ap02

1360 sequences assigned
1200 (88.2%) exact matches, in which:
1199 unique CDR3
13 unique J



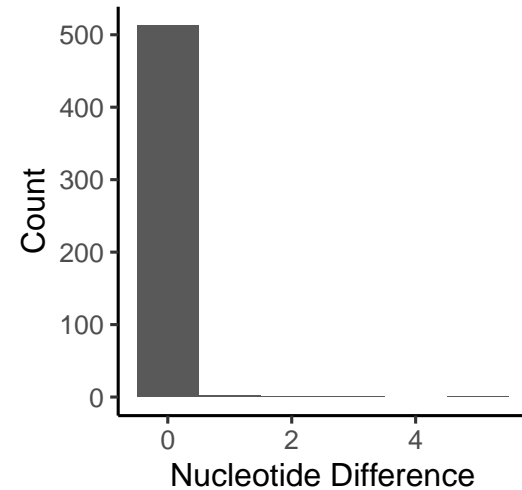
TRBV7-3*ap01_G292T

1208 sequences assigned
1194 (98.8%) exact matches, in which:
1190 unique CDR3
13 unique J



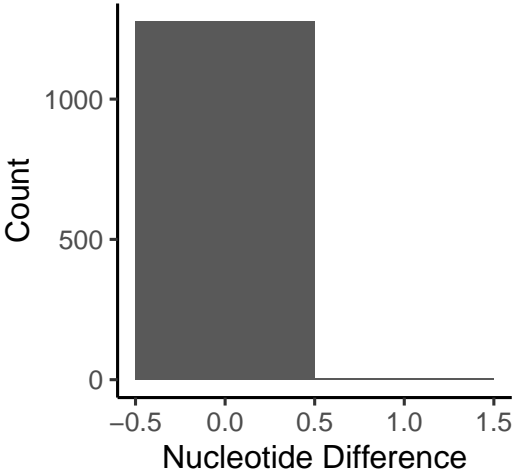
TRBV7-7*ap01_C315T

518 sequences assigned
513 (99%) exact matches, in which:
512 unique CDR3
13 unique J



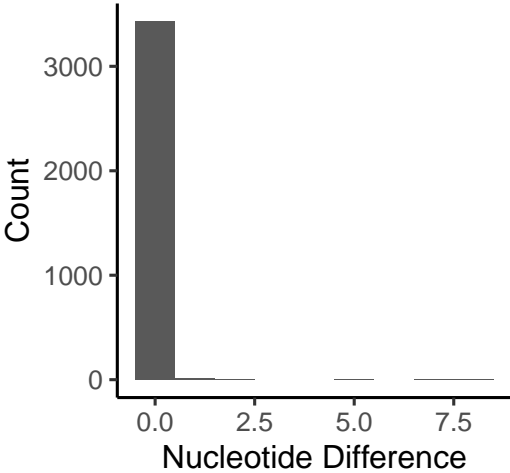
TRBV7-8*ap01

1281 sequences assigned
1277 (99.7%) exact matches, in which:
1275 unique CDR3
13 unique J



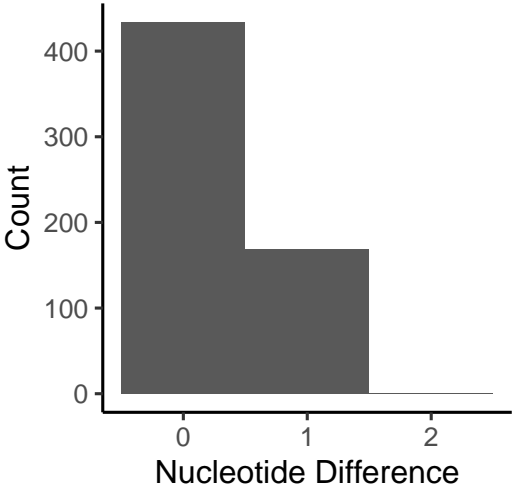
TRBV29-1*ap01

3448 sequences assigned
3430 (99.5%) exact matches, in which:
3419 unique CDR3
13 unique J



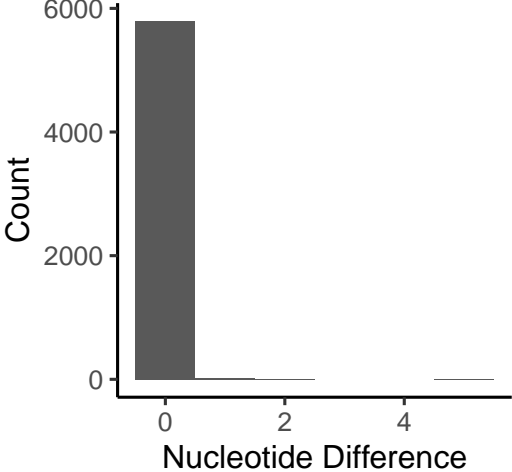
TRBV7-8*ap03

604 sequences assigned
434 (71.9%) exact matches, in which:
434 unique CDR3
13 unique J

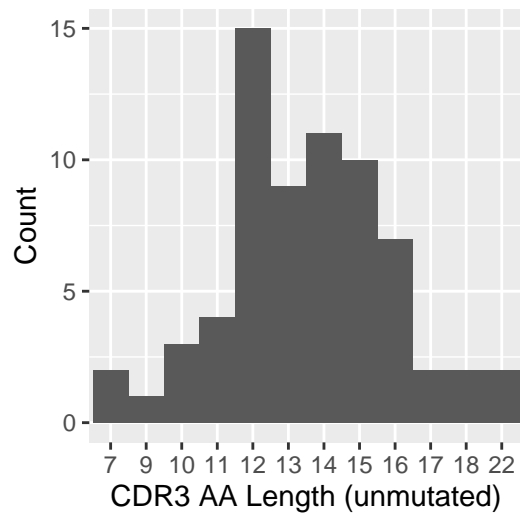


TRBV7-9*ap01

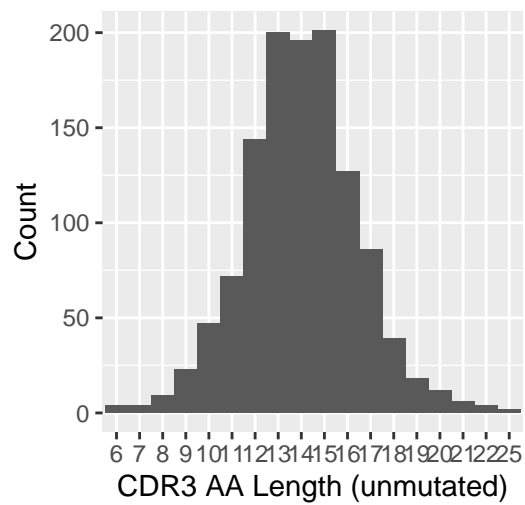
5817 sequences assigned
5795 (99.6%) exact matches, in which:
5782 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

