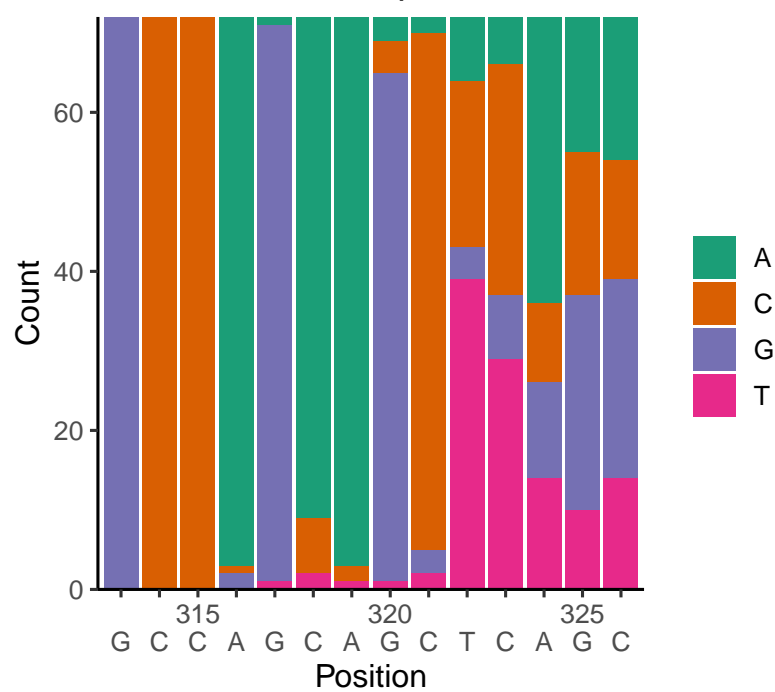
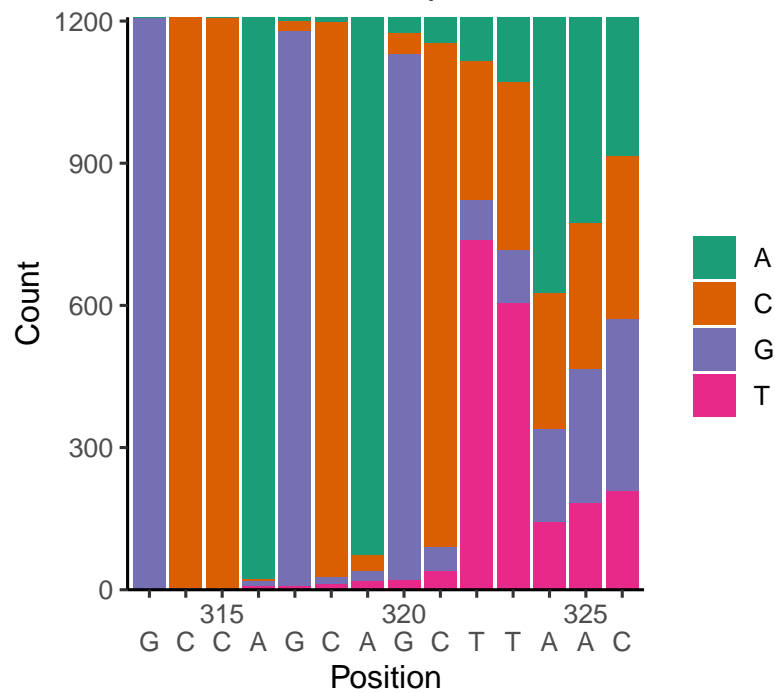


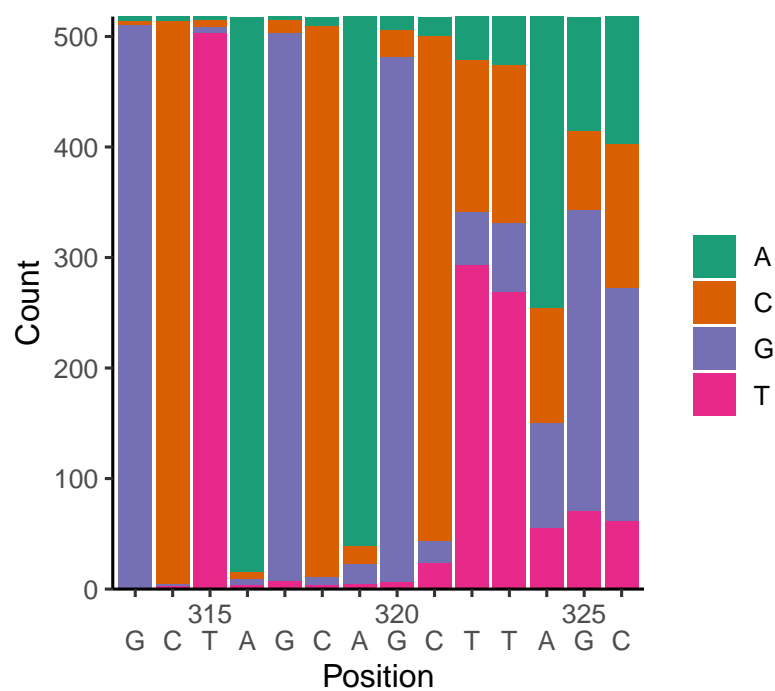
Gene TRBV7-1\*ap01\_G291C\_T296C



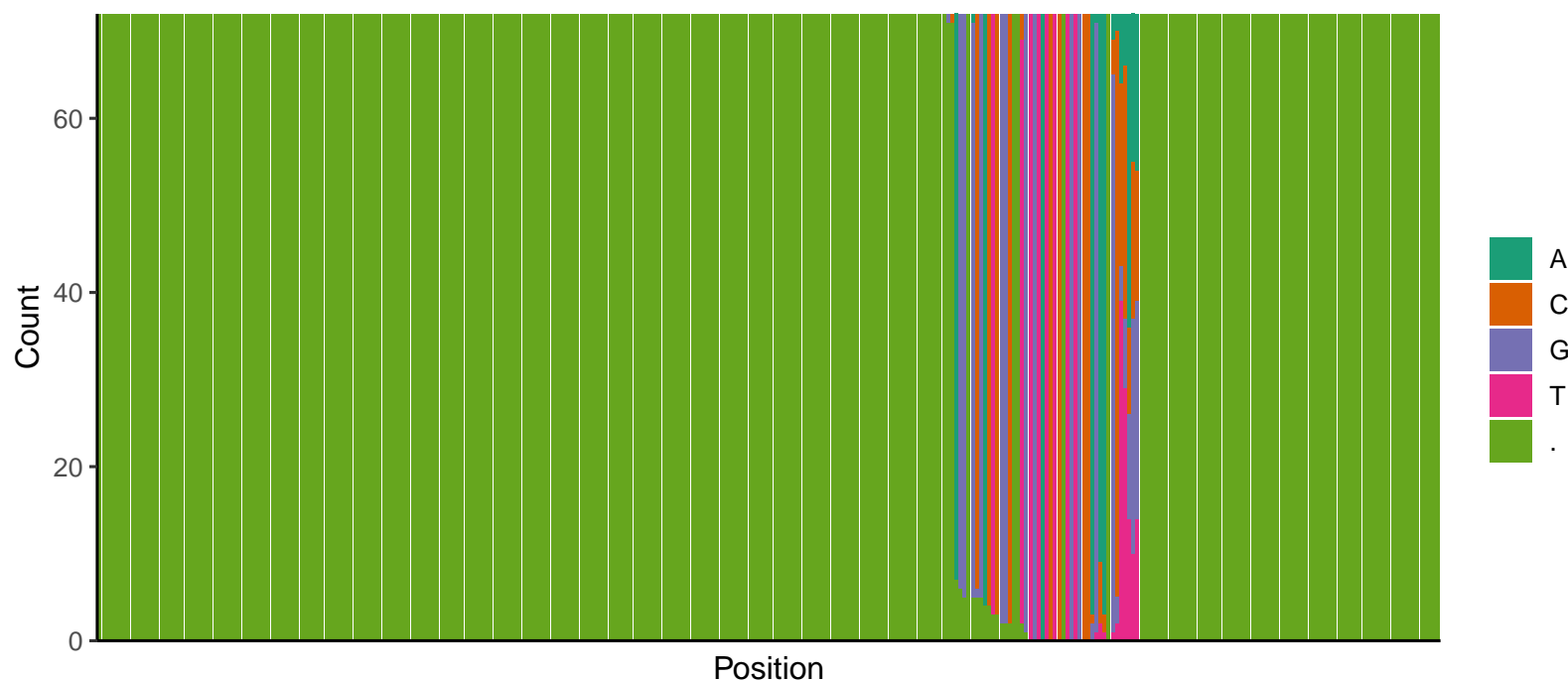
Gene TRBV7-3\*ap01\_G292T



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C



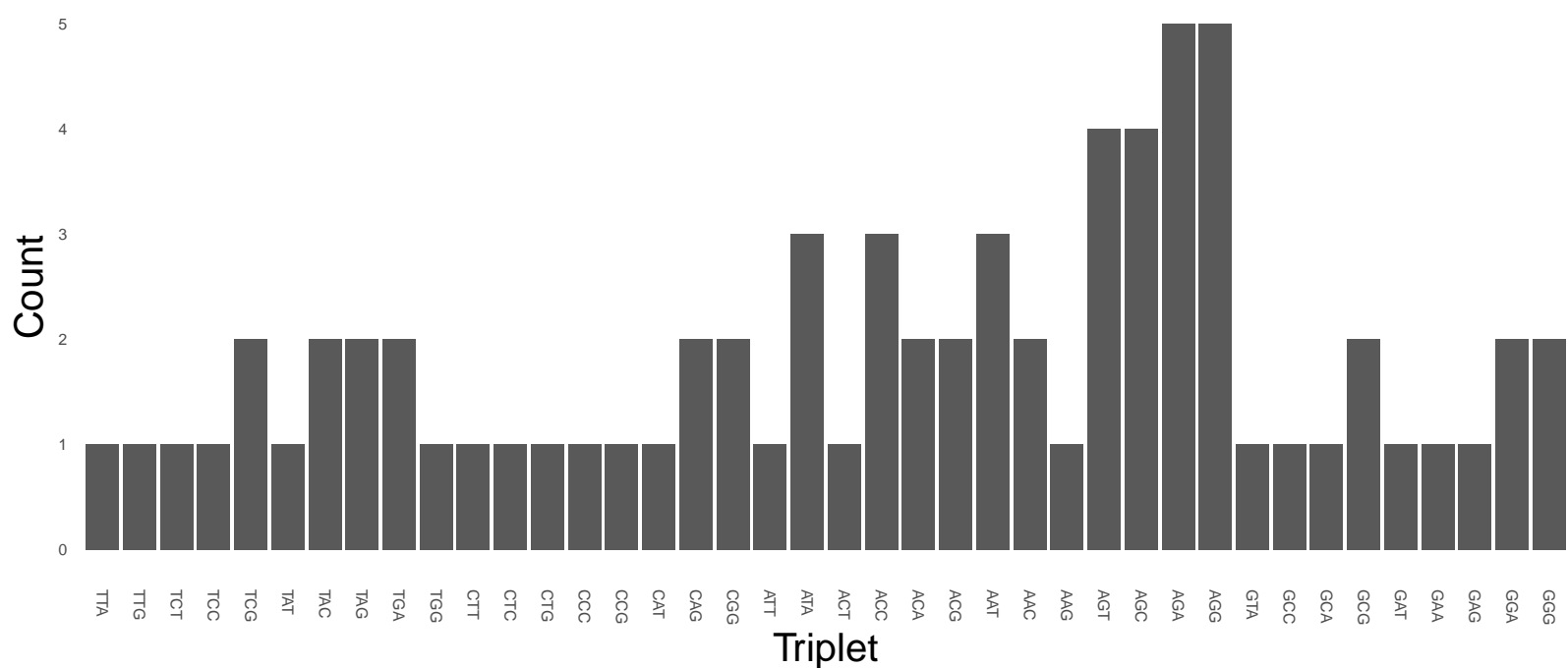
Gene TRBV7-3\*ap01\_G292T



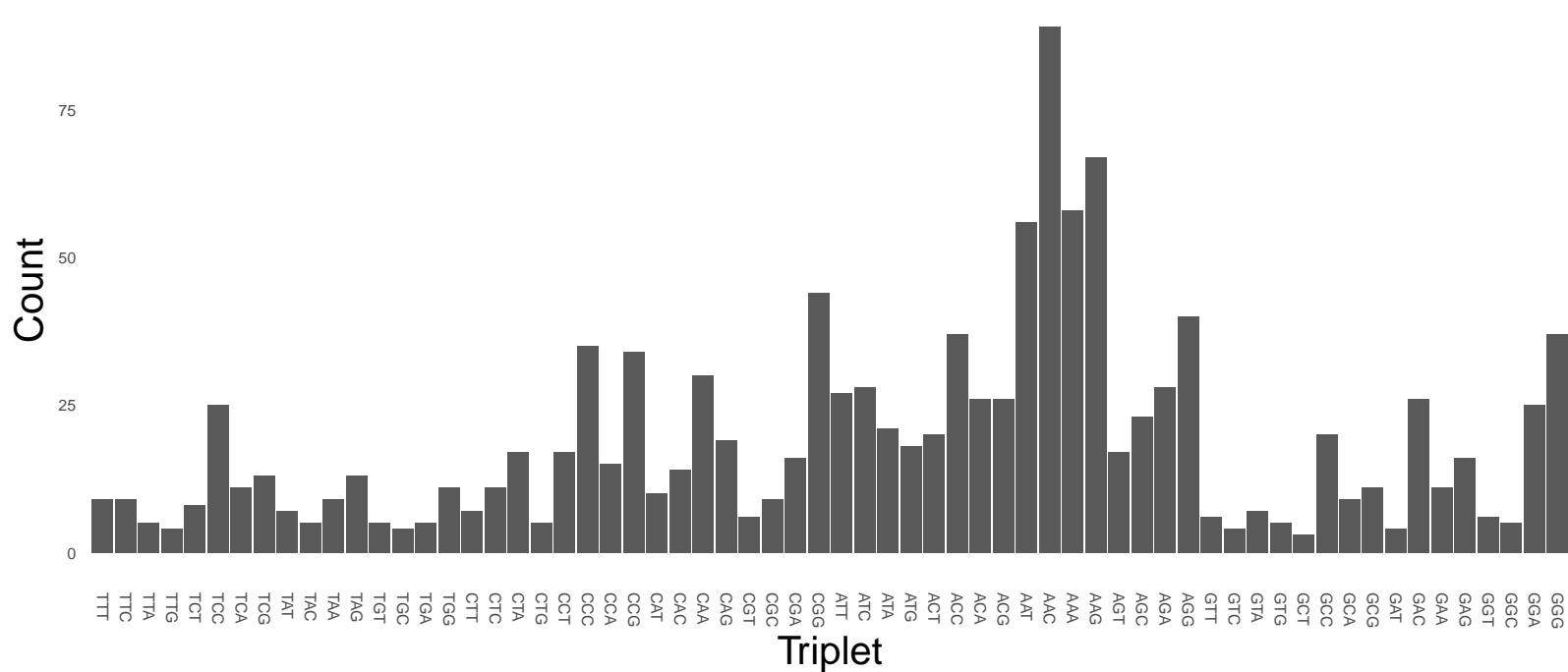
Gene TRBV7-7\*ap01\_C315T



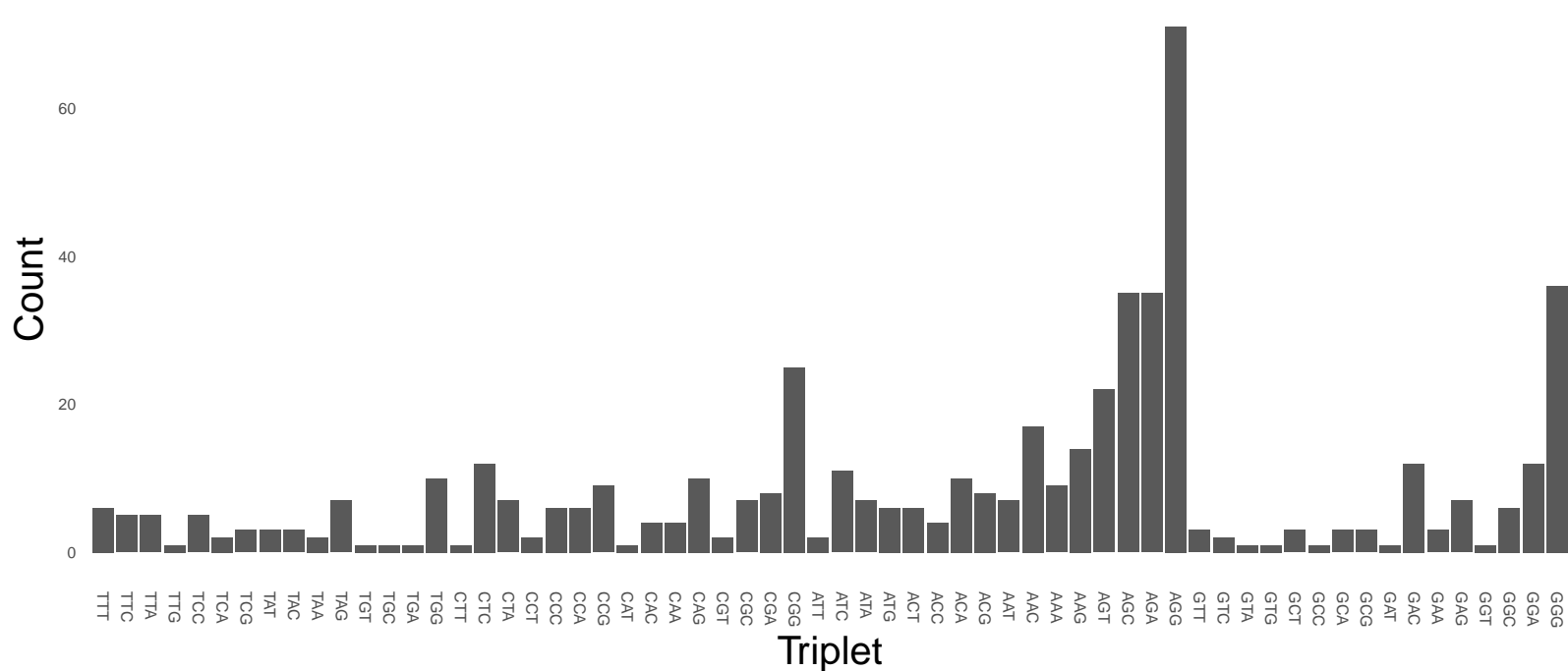
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



TRBV7-3\*ap01\_G292T- Final 3 nucleotides as a triplet

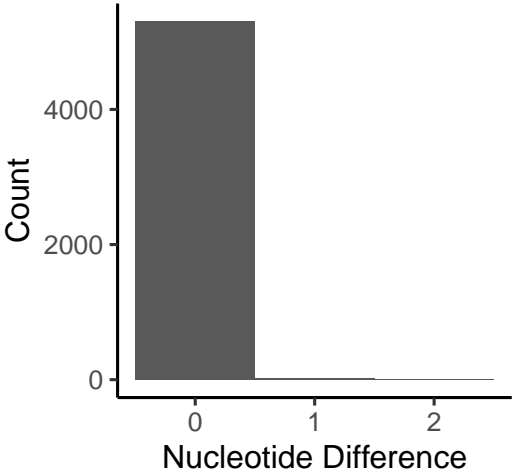


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



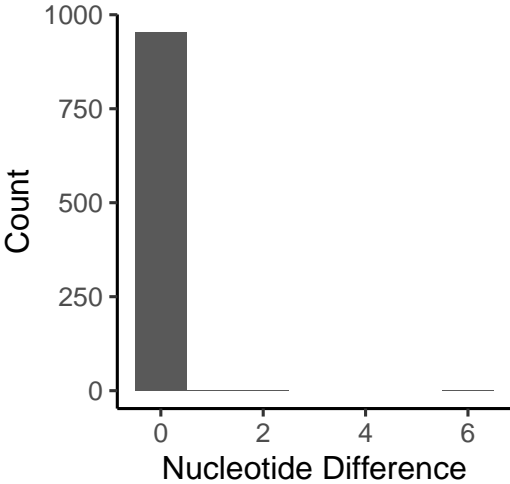
TRBV20-1\*ap01

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



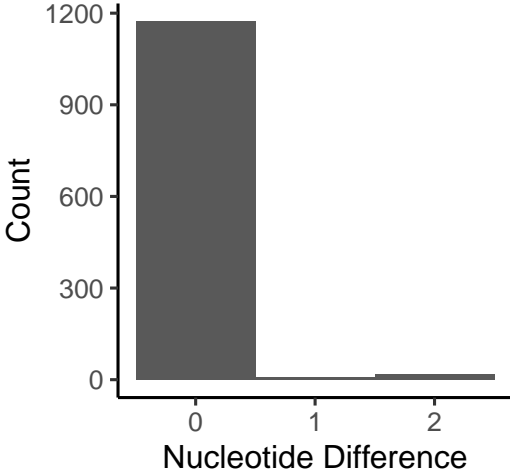
TRBV10-2\*ap01

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



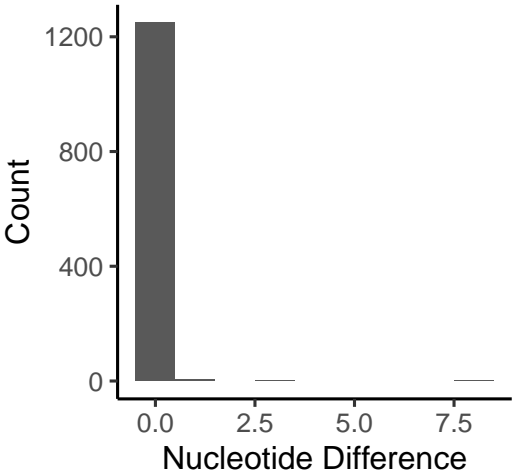
TRBV13\*ap01

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



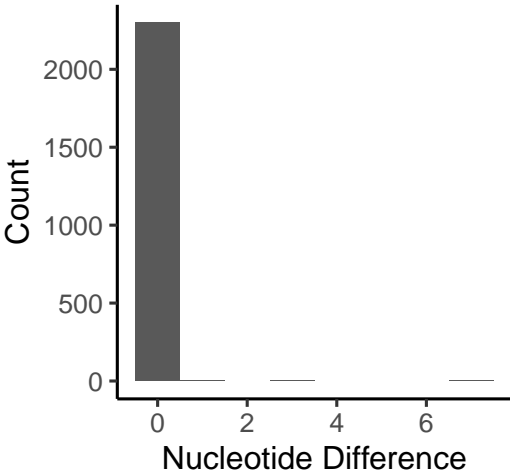
TRBV10-1\*ap01

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



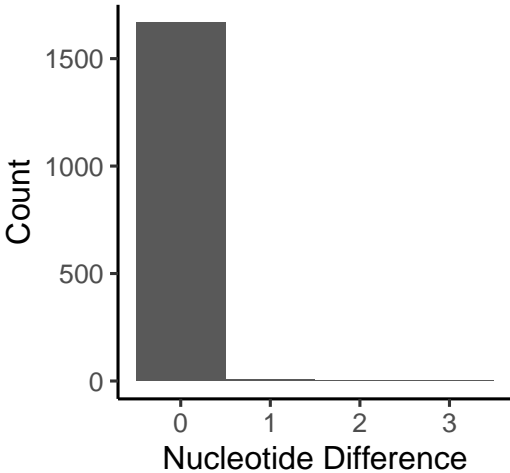
TRBV10-3\*ap01

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



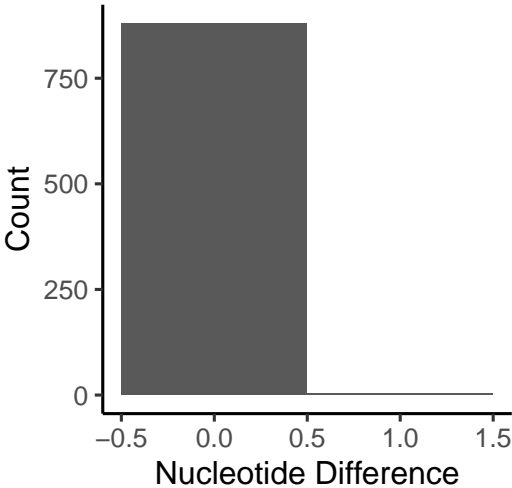
TRBV14\*ap01

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



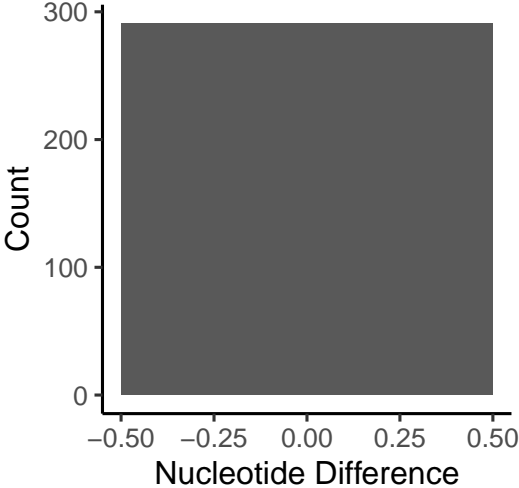
TRBV20-1\*ap02

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



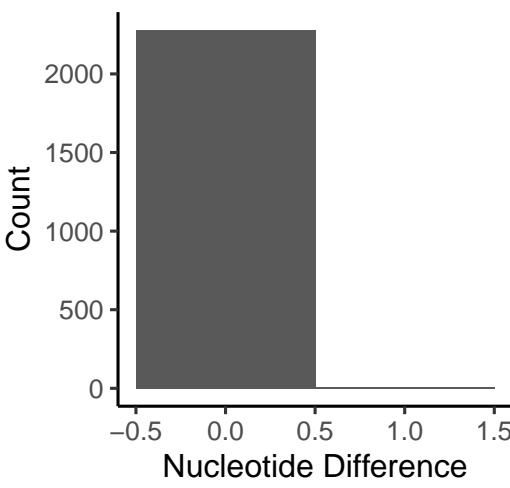
TRBV1\*ap01

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



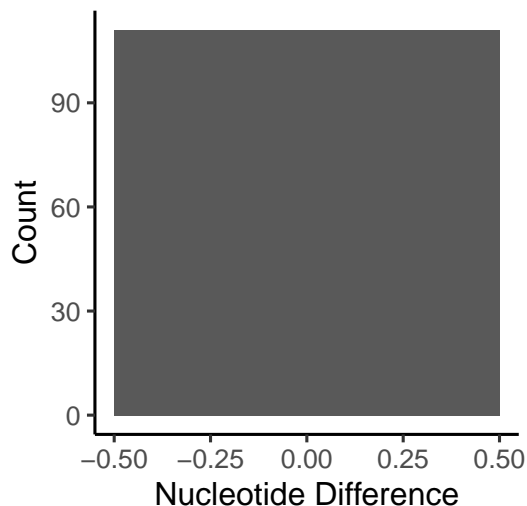
TRBV15\*ap02

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



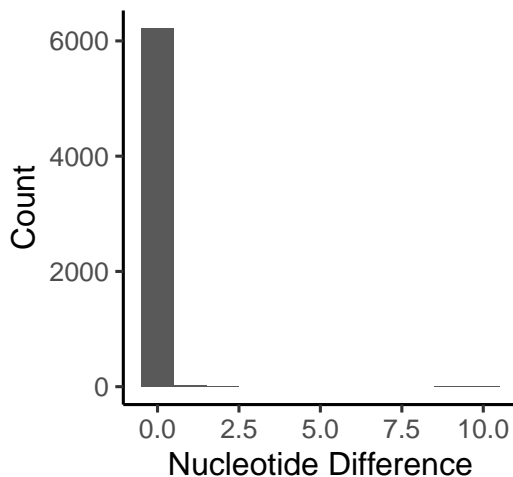
### TRBV16\*ap01

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



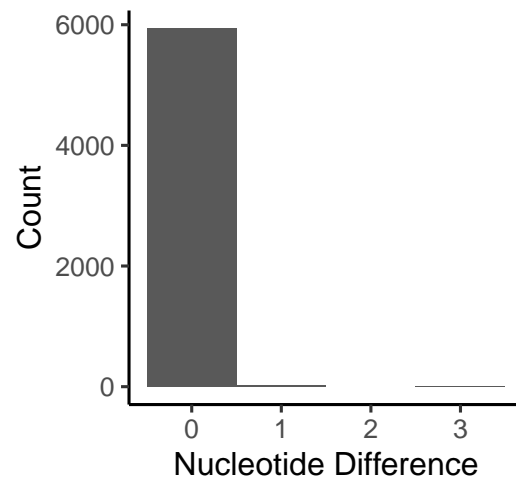
### TRBV2\*ap01

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



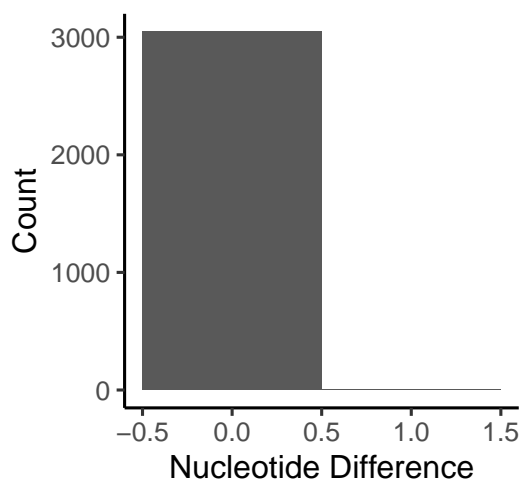
### TRBV28\*ap01

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



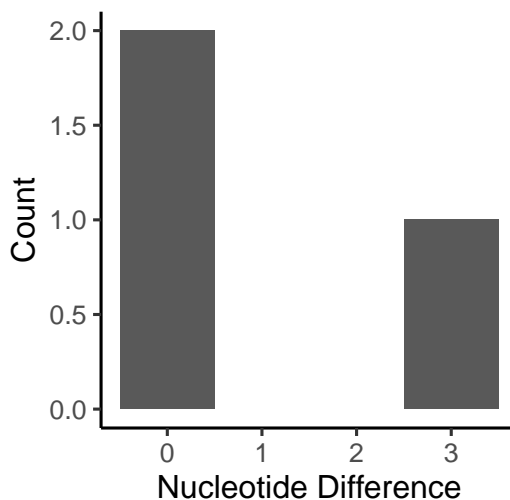
### TRBV18\*ap01

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



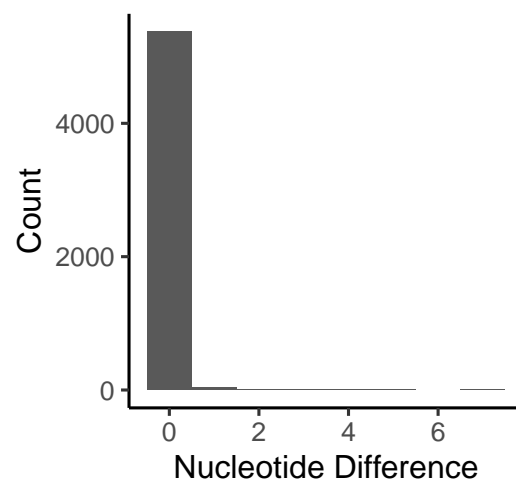
### TRBV26\*ap01

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



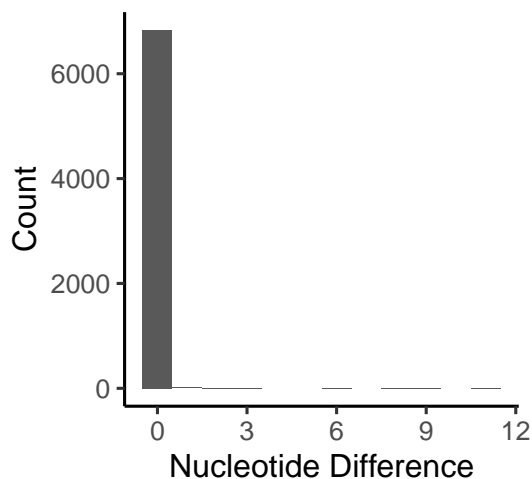
### TRBV30\*ap01

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



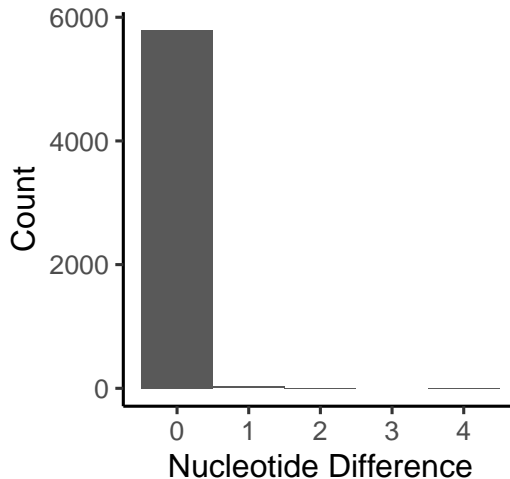
### TRBV19\*ap01

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



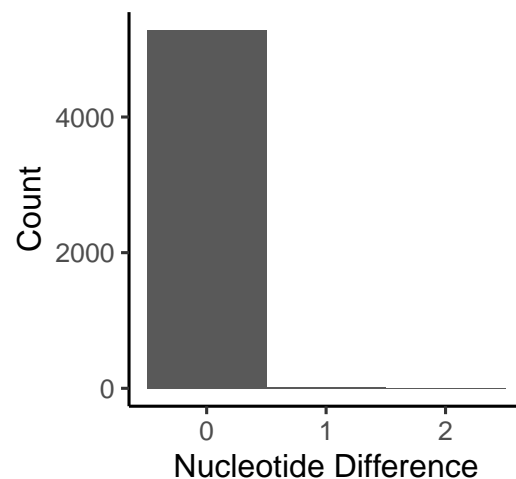
### TRBV27\*ap01

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



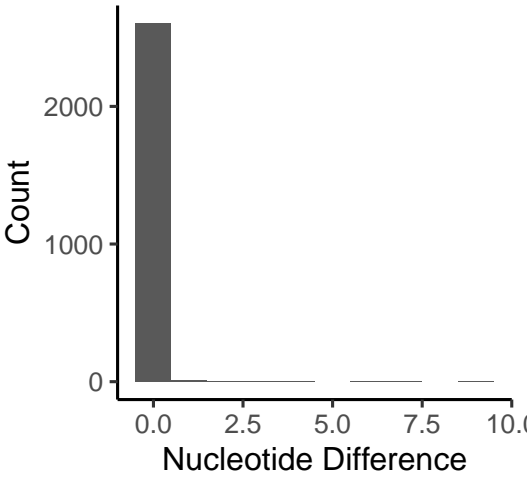
### TRBV9\*ap01

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



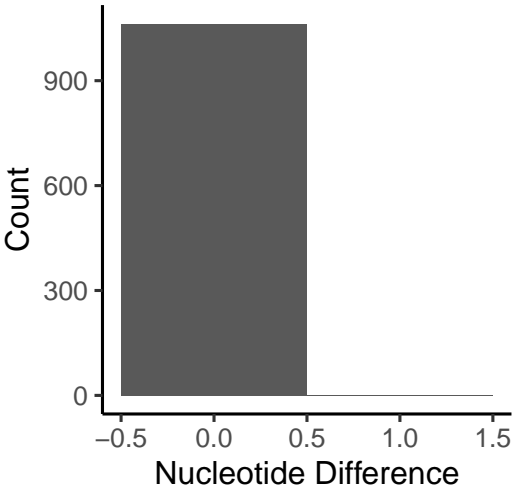
TRBV21-1\*ap01

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



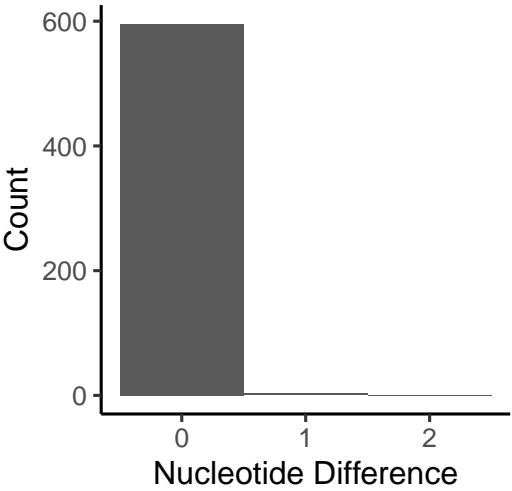
TRBV11-3\*ap01

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



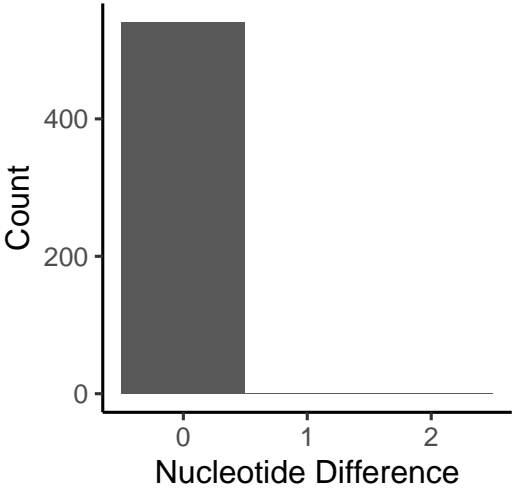
TRBV12-5\*ap01

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



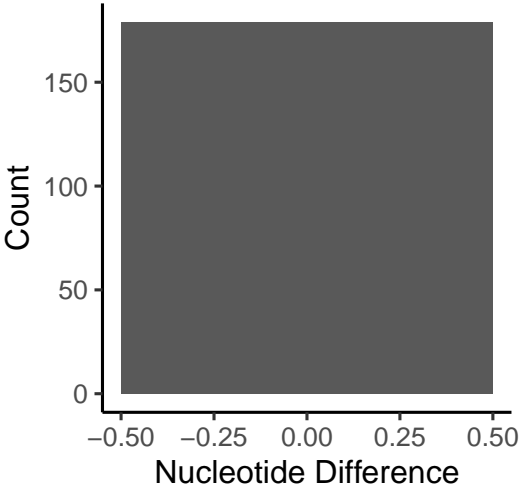
TRBV11-1\*ap01

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



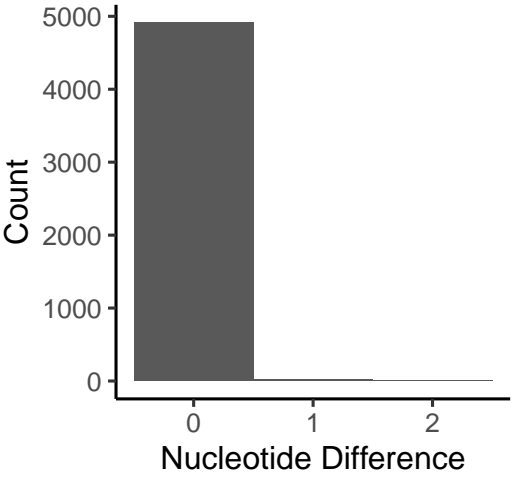
TRBV12-1\*ap01

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



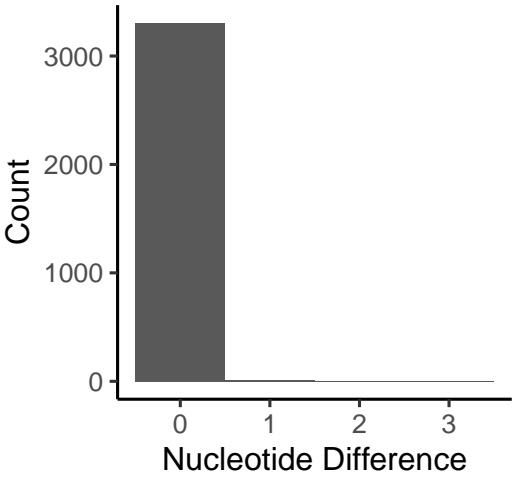
TRBV12-34\*ap01

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



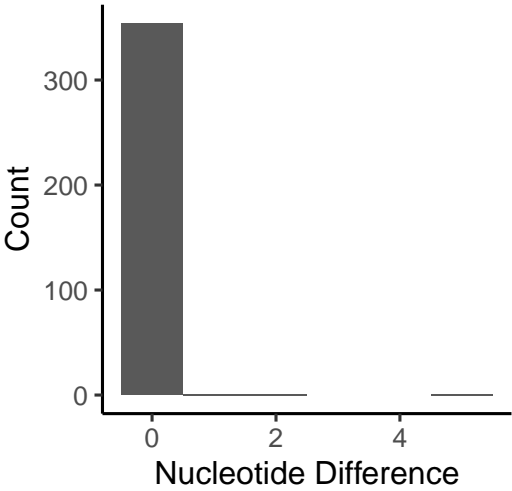
TRBV11-2\*ap01

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



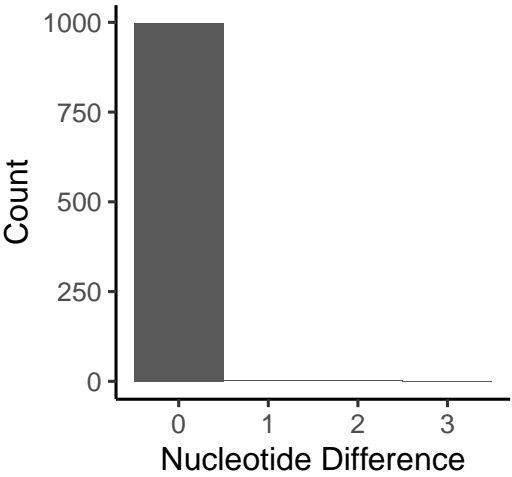
TRBV12-2\*ap01

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



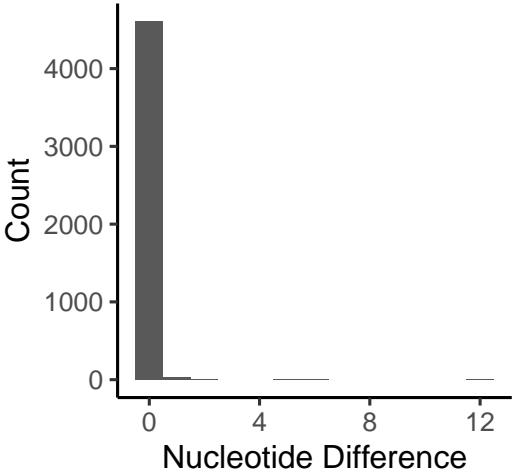
TRBV23-1\*ap01

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



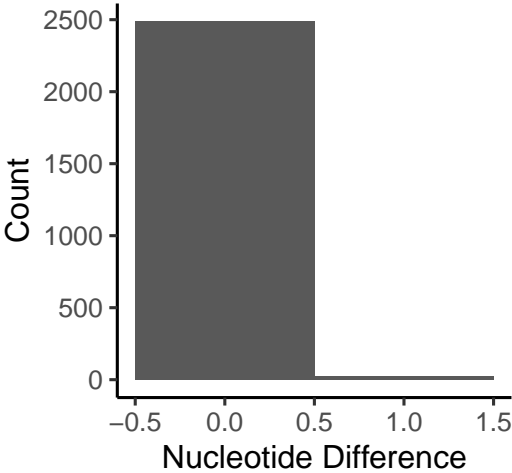
TRBV3-12\*ap01

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



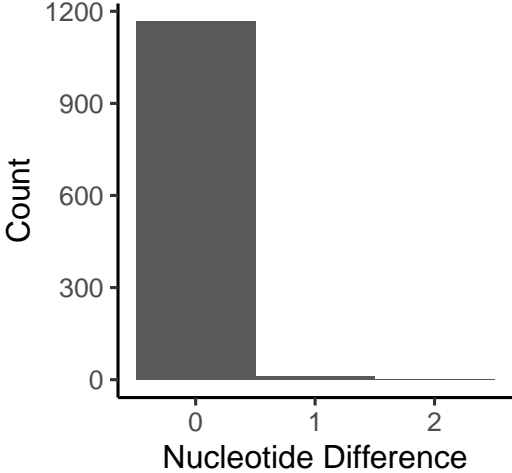
TRBV4-2\*ap01

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



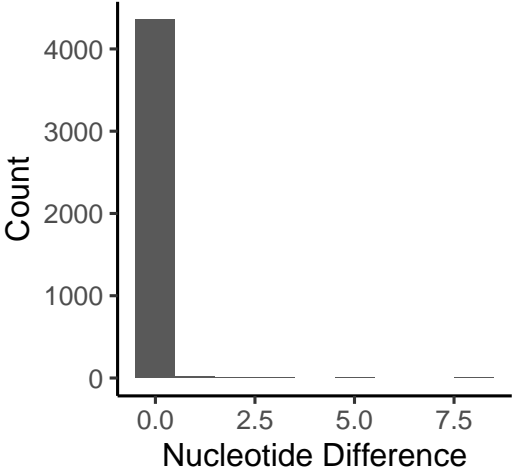
TRBV25-1\*ap01

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



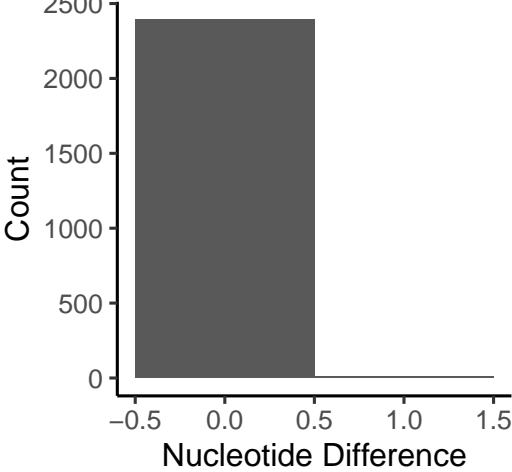
TRBV4-1\*ap01

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



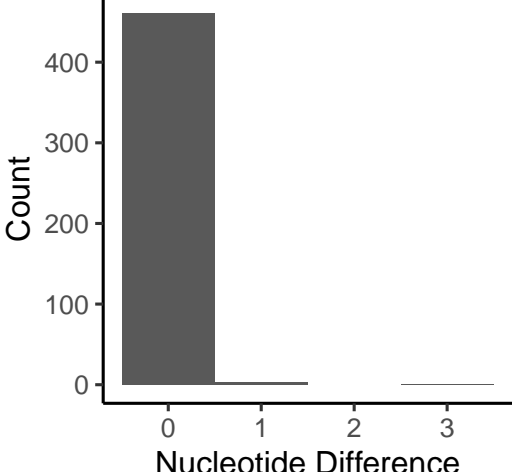
TRBV4-3\*ap01

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



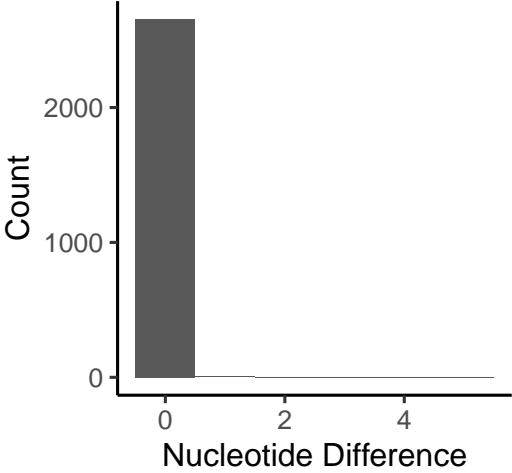
TRBV5-3\*ap01

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



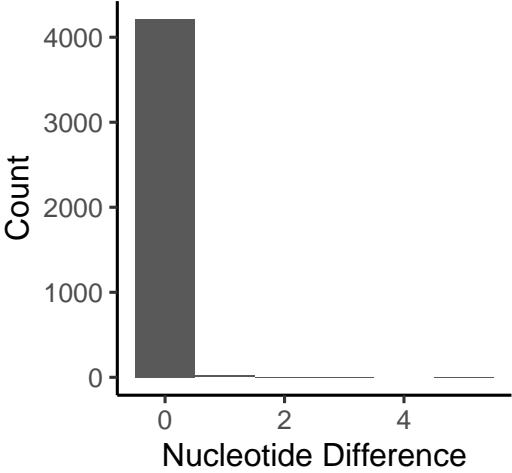
TRBV24-1\*ap01

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



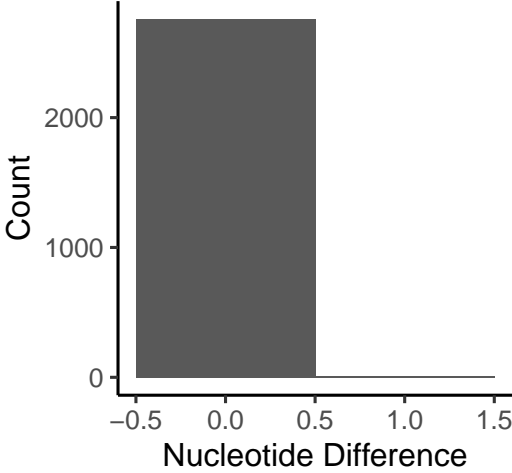
TRBV5-1\*ap01

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



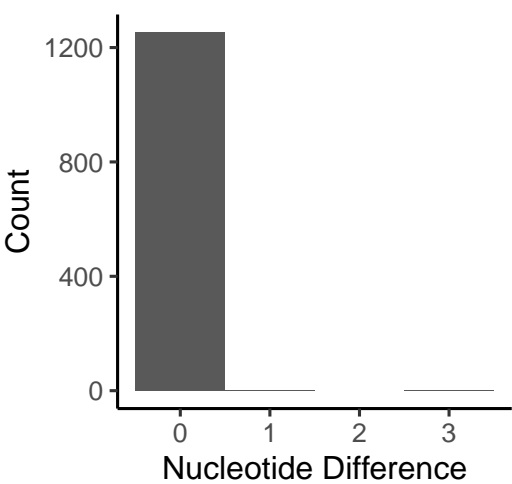
TRBV5-4\*ap01

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



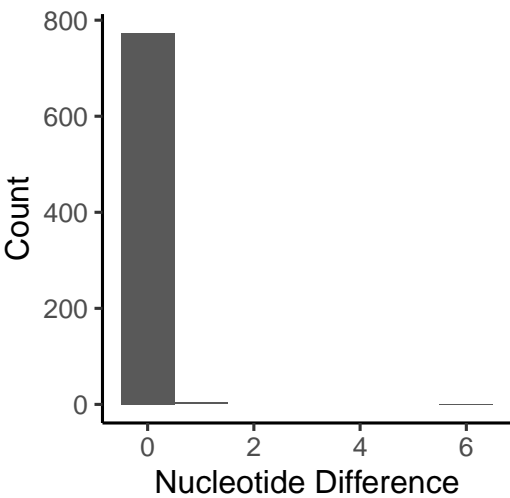
TRBV5-5\*ap01

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



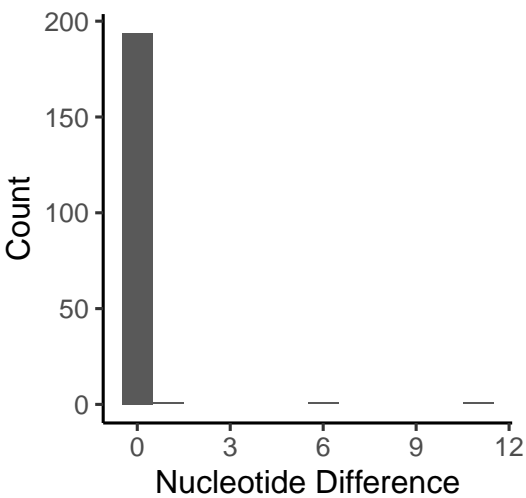
TRBV5-8\*ap01

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



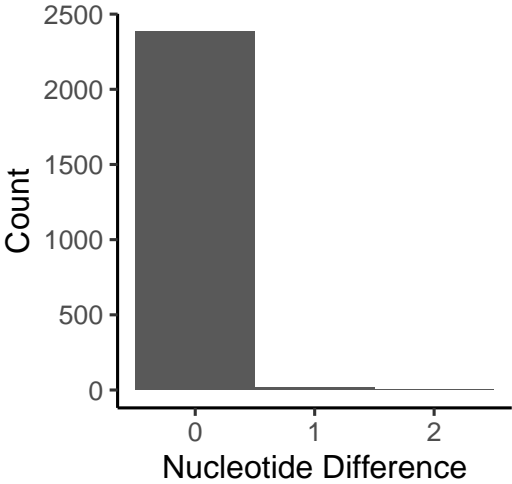
TRBV6-7\*ap01

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



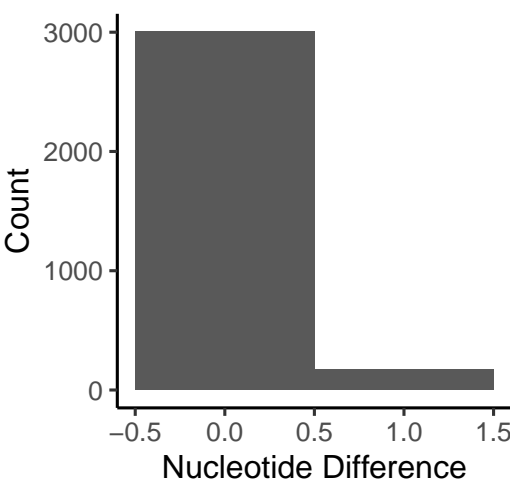
TRBV5-6\*ap01

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



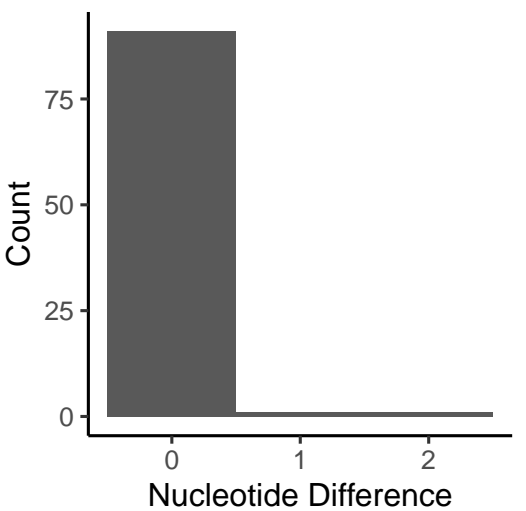
TRBV6-1\*ap01

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



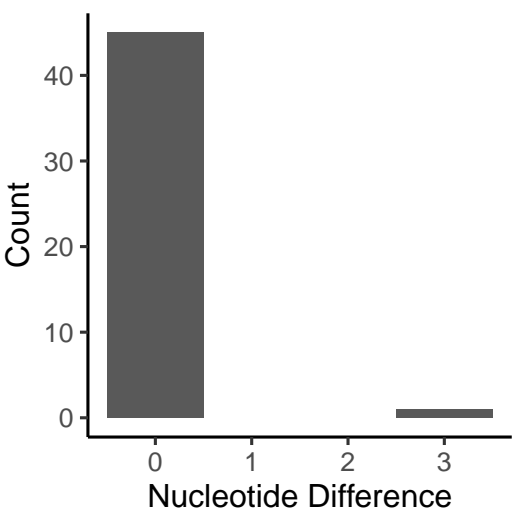
TRBV6-8\*ap01

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



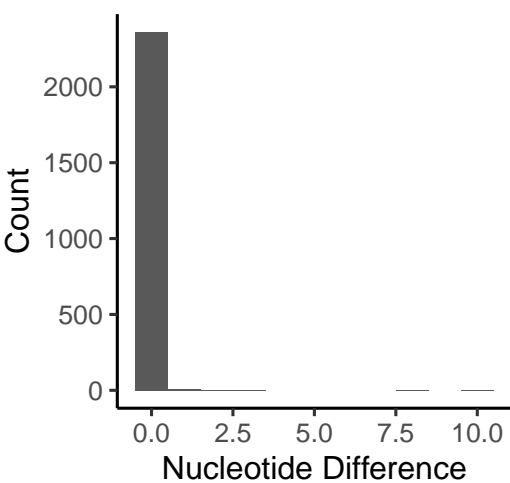
TRBV5-7\*ap01

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



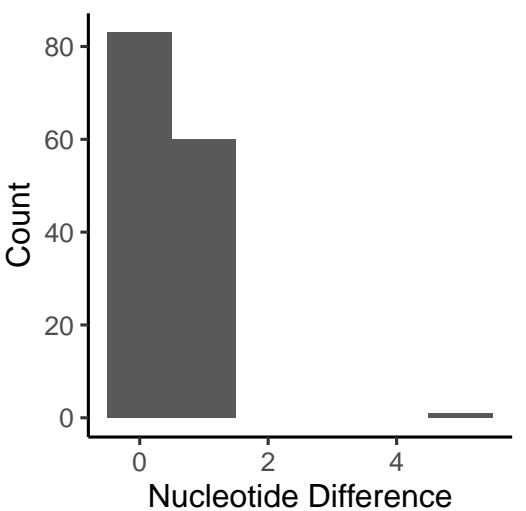
TRBV6-4\*ap01

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



TRBV6-9\*ap01

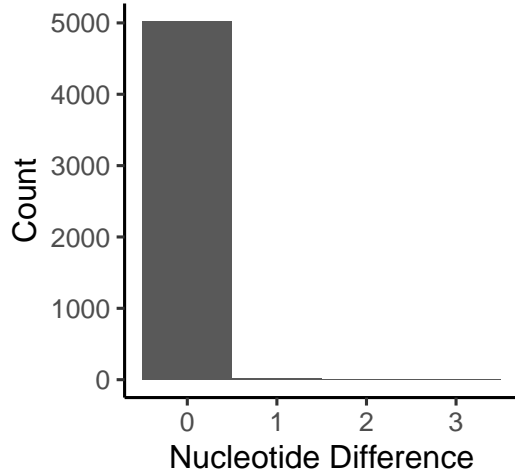
144 sequences assigned  
83 (57.6%) exact matches, in which:  
83 unique CDR3  
12 unique J





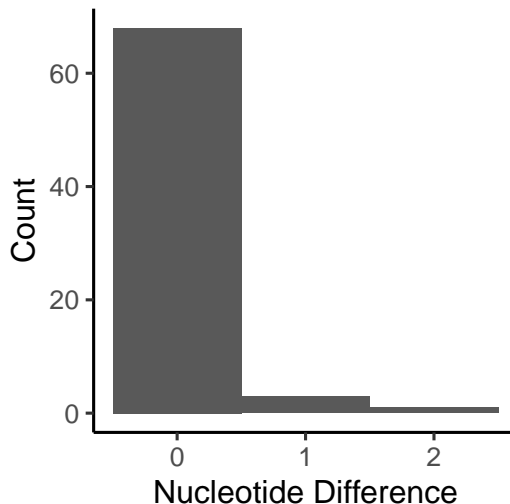
### TRBV6-23\*ap01

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



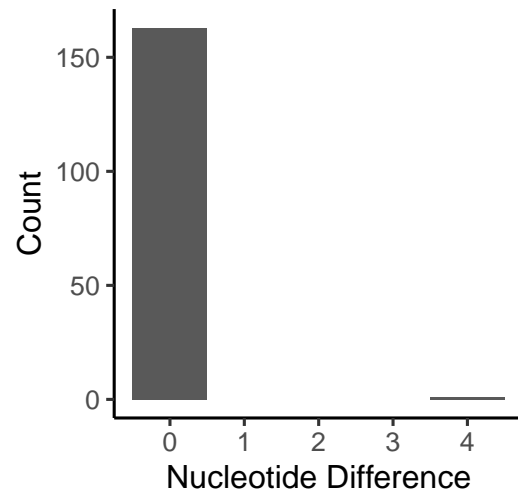
### TRBV7-1\*ap01\_G291C\_T

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



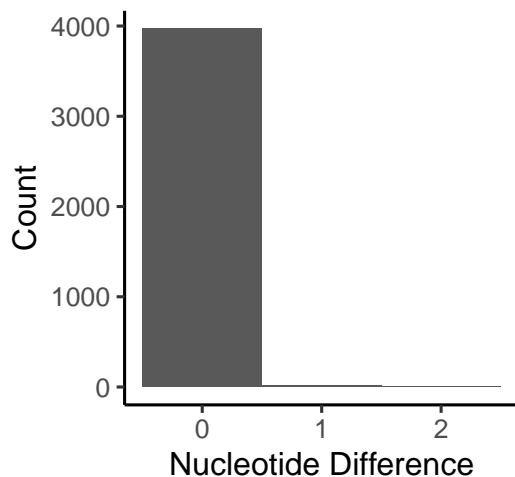
### TRBV7-4\*ap01

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



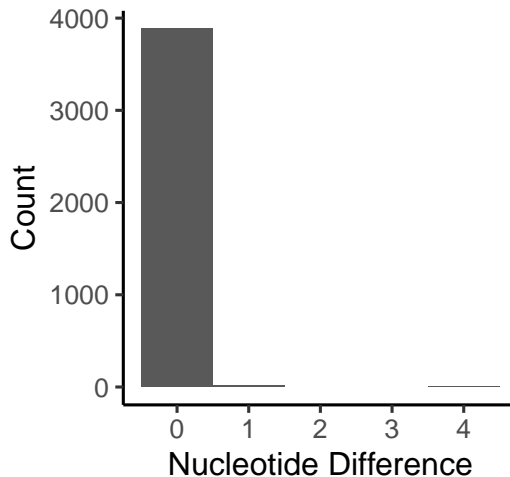
### TRBV6-56\*ap01

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



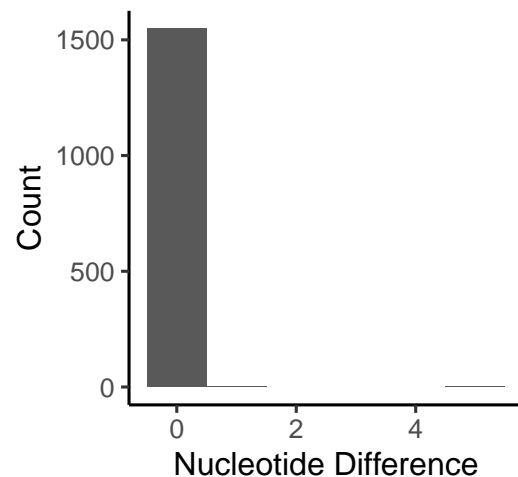
### TRBV7-2\*ap01

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



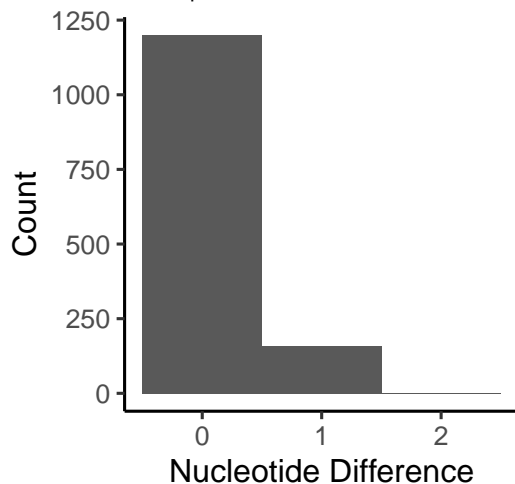
### TRBV7-6\*ap01

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



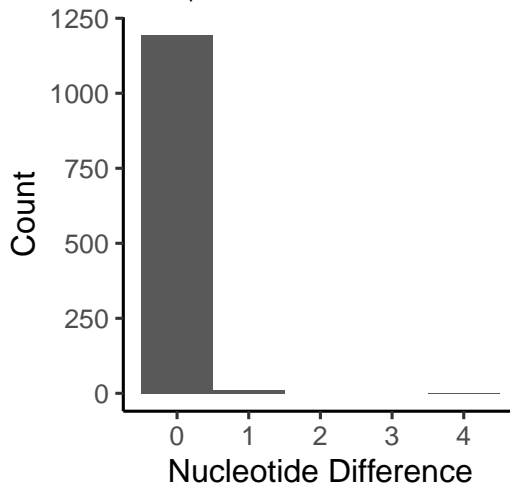
### TRBV6-56\*ap02

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



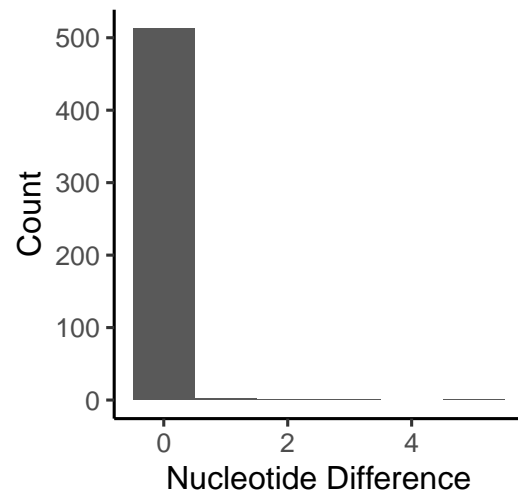
### TRBV7-3\*ap01\_G292T

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



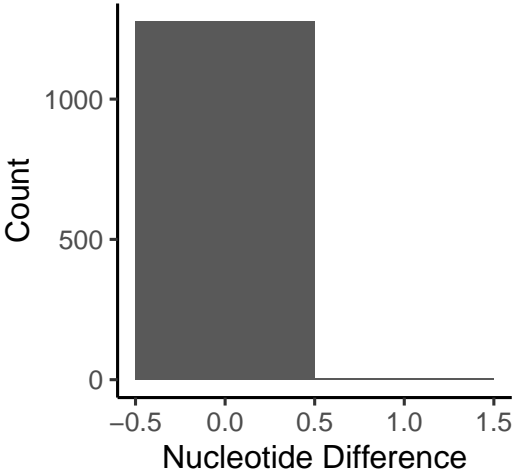
### TRBV7-7\*ap01\_C315T

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



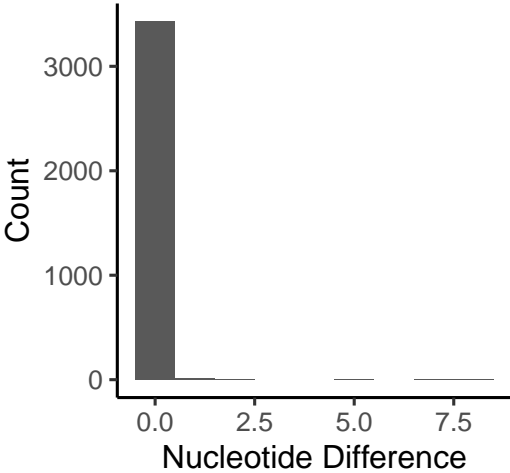
TRBV7-8\*ap01

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



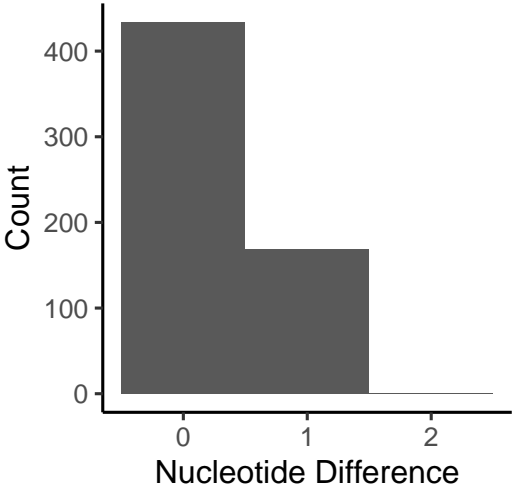
TRBV29-1\*ap01

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



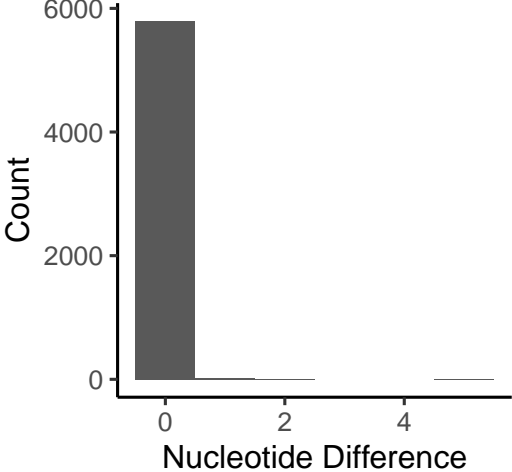
TRBV7-8\*ap03

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

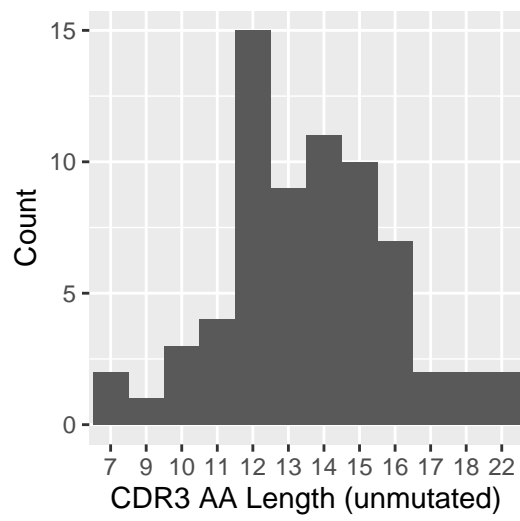


TRBV7-9\*ap01

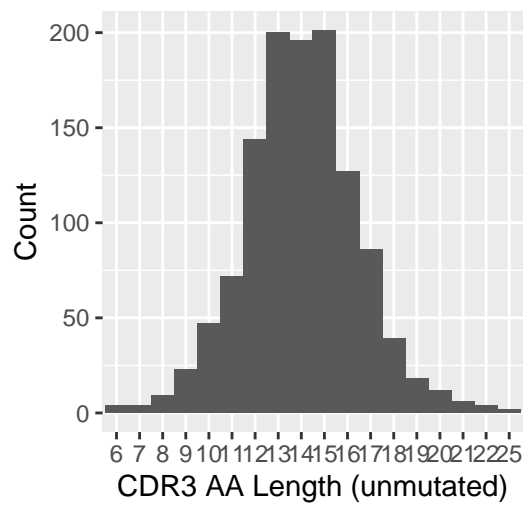
5817 sequences assigned  
5795 (99.6%) exact matches, in which:  
5782 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-3\*ap01\_G292T



TRBV7-7\*ap01\_C315T

