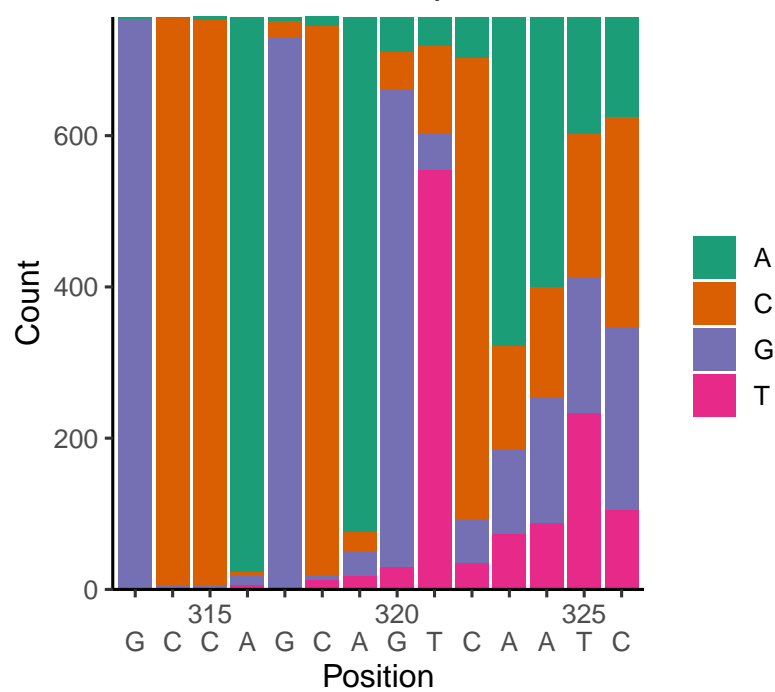
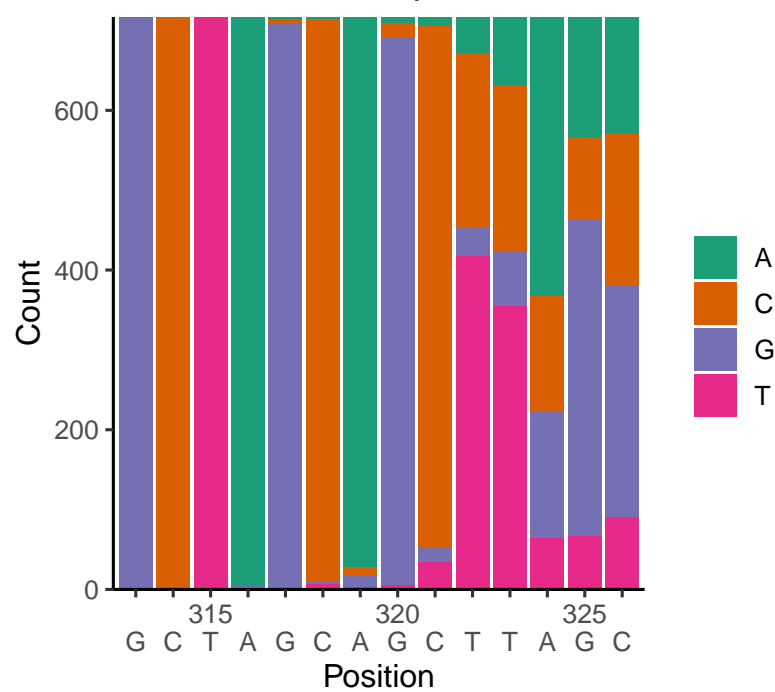


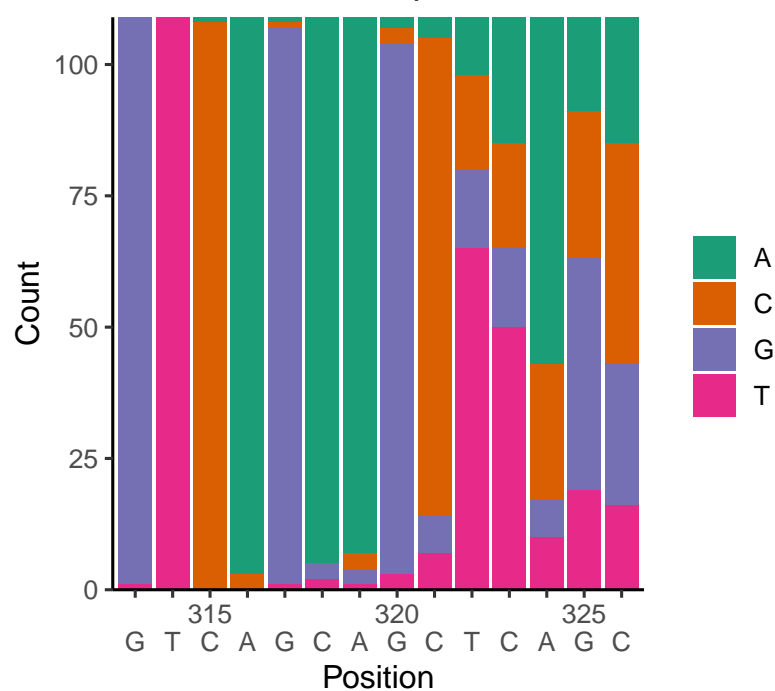
Gene TRBV23-1\*ap01\_T304C



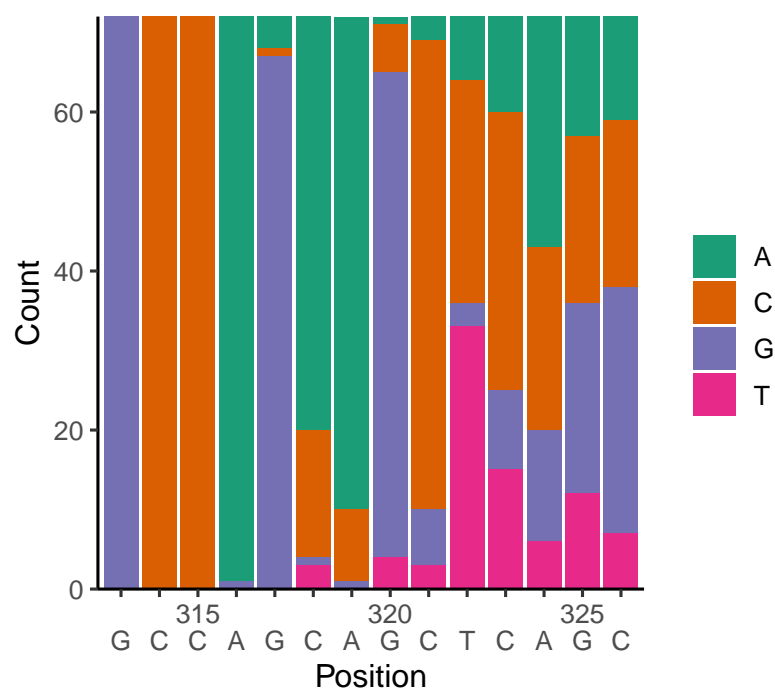
Gene TRBV7-7\*ap01\_C315T



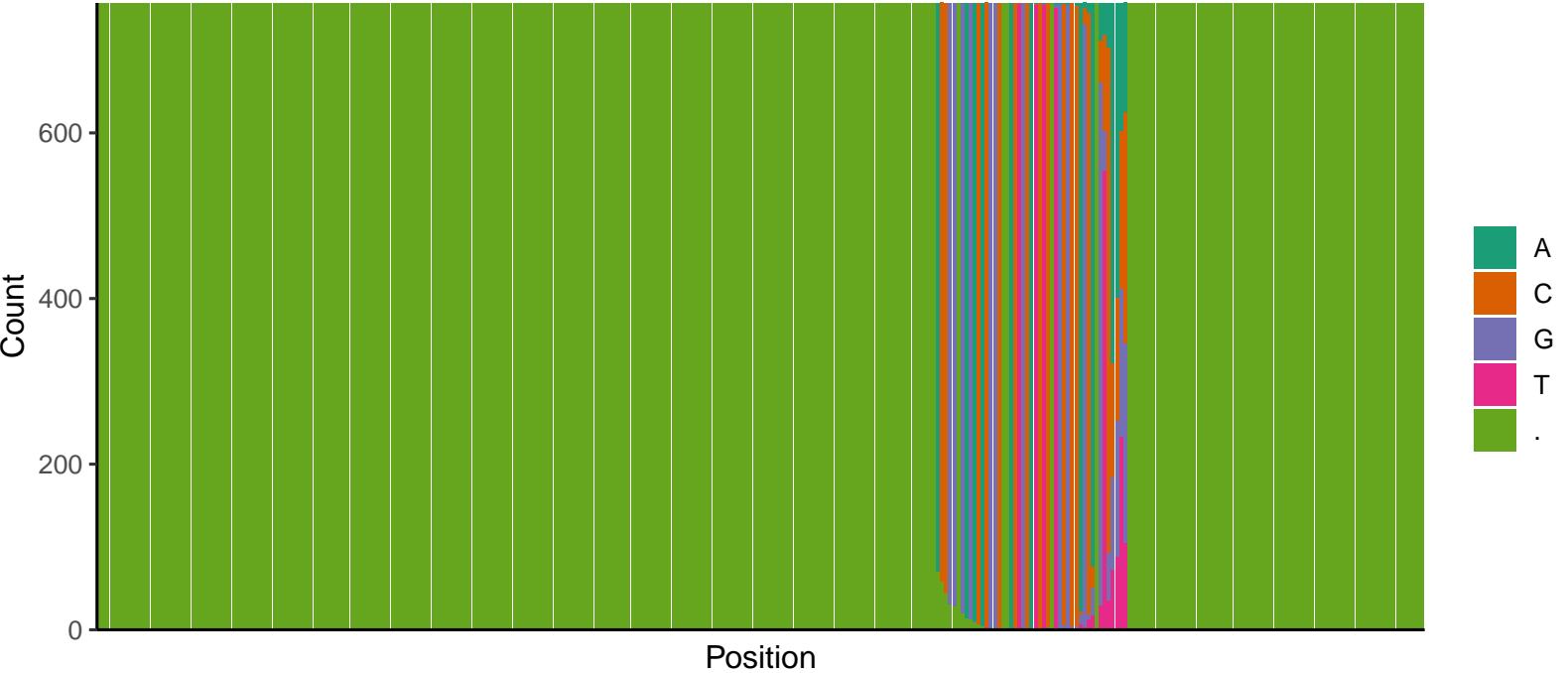
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV23-1\*ap01\_T304C



Gene TRBV7-1\*ap01\_T296C\_C314T



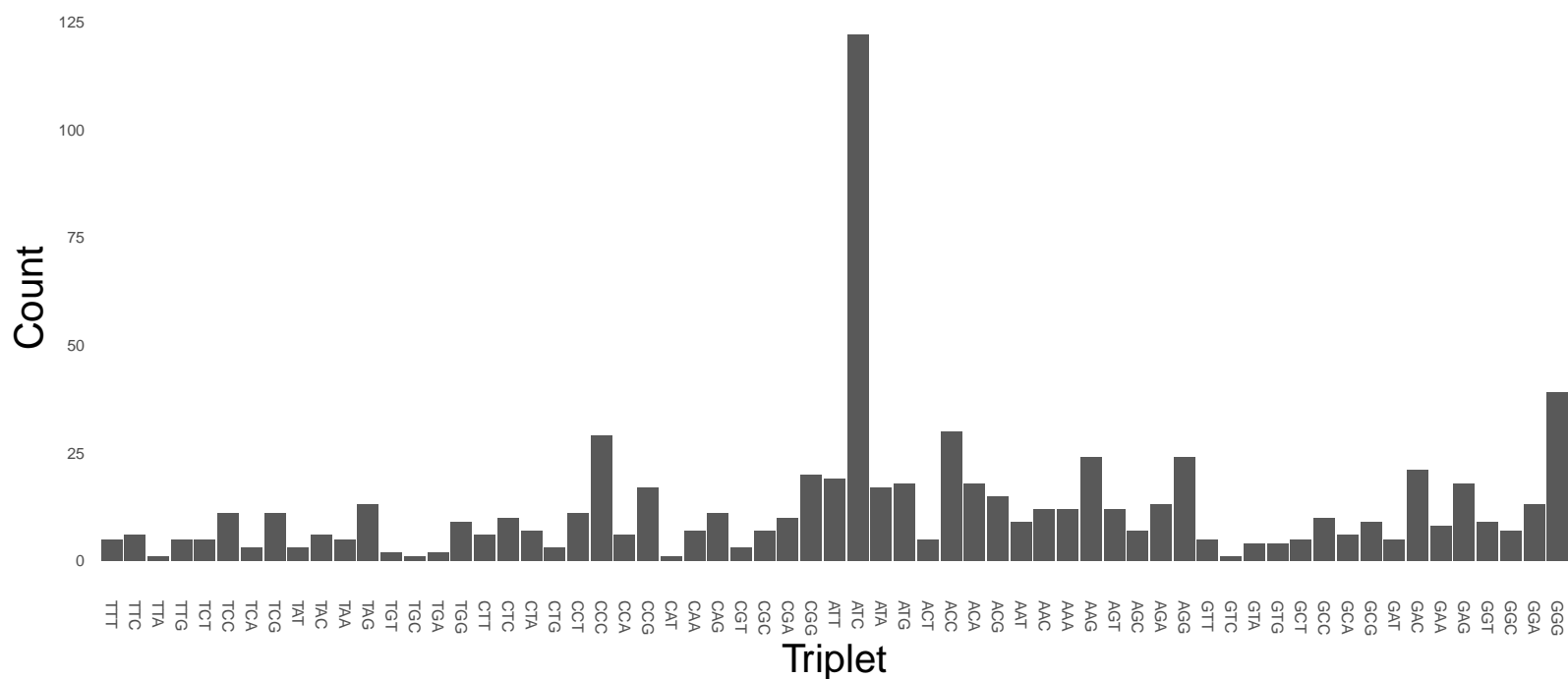
Gene TRBV7-1\*ap01\_T296C



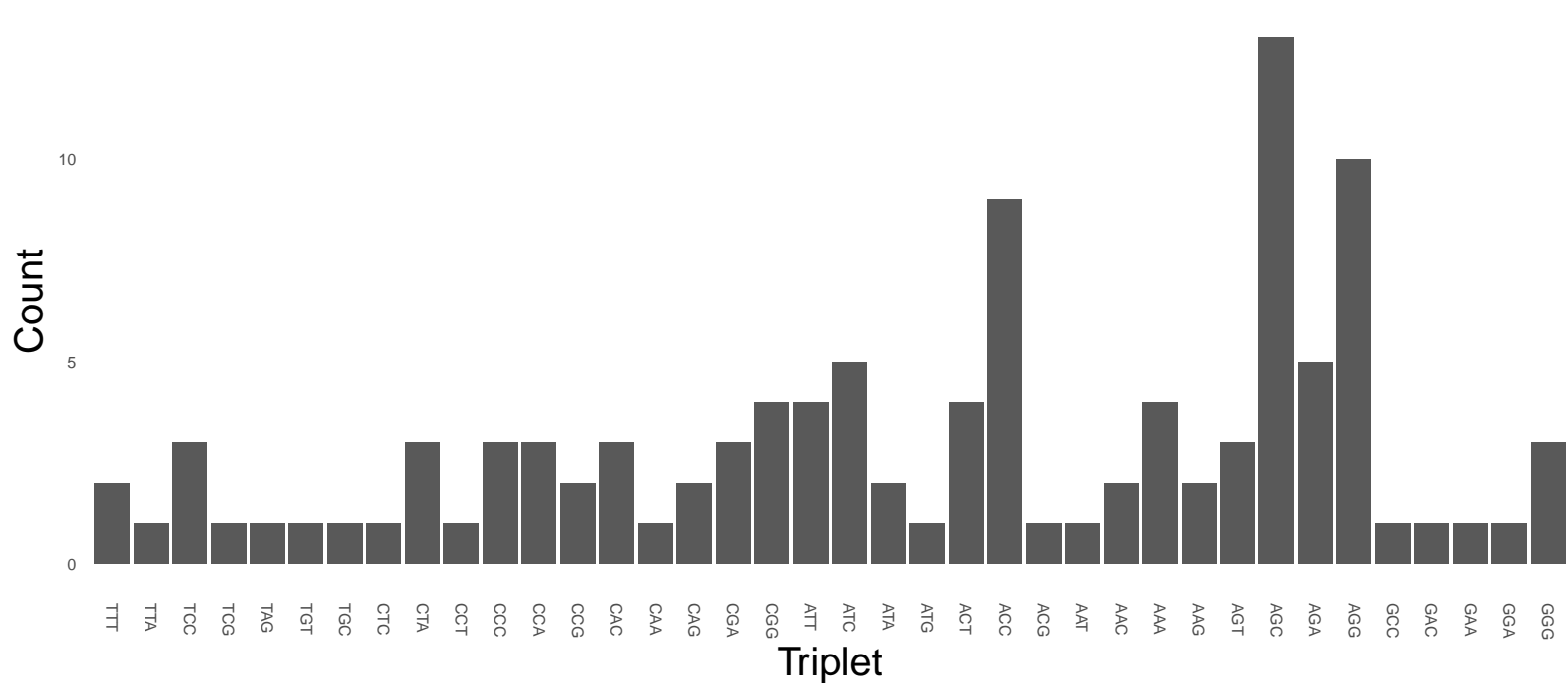
Gene TRBV7-7\*ap01\_C315T



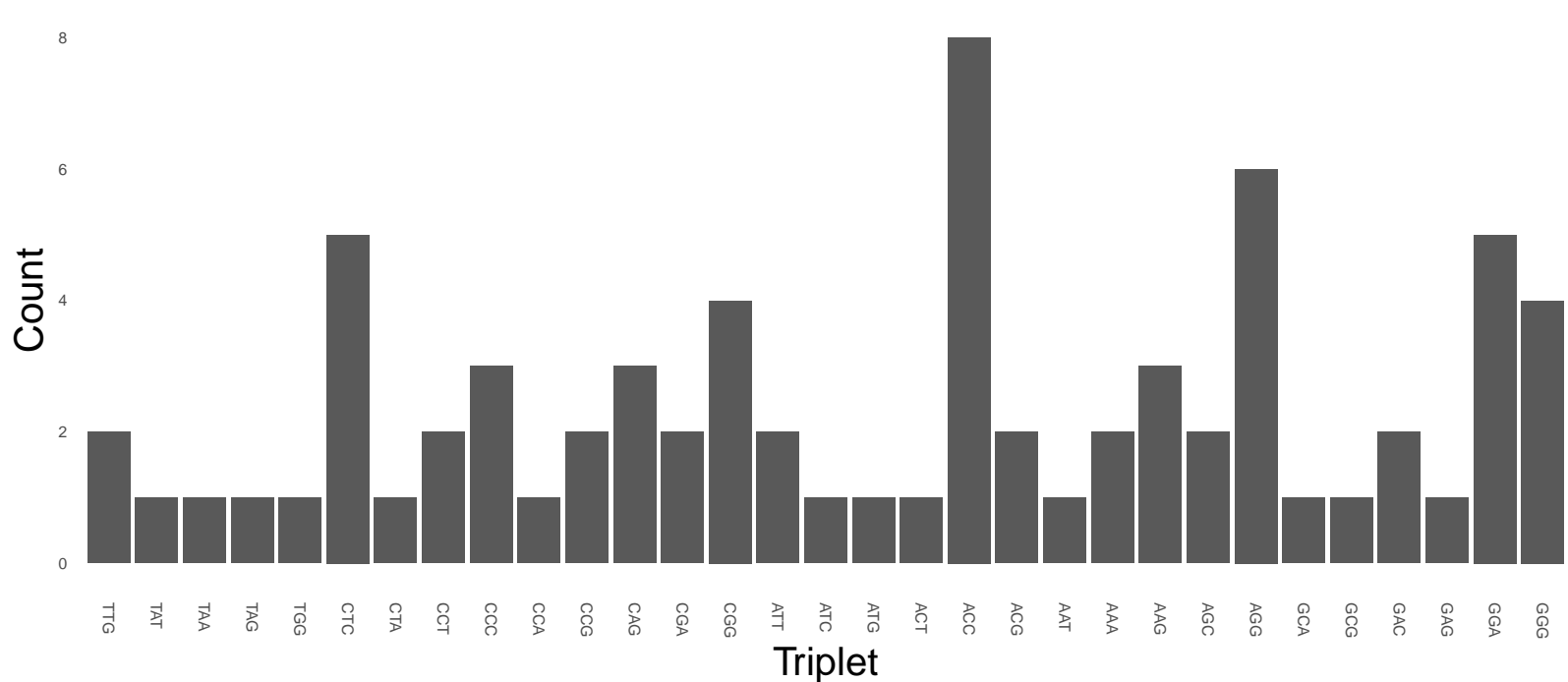
TRBV23-1\*ap01\_T304C- Final 3 nucleotides as a triplet



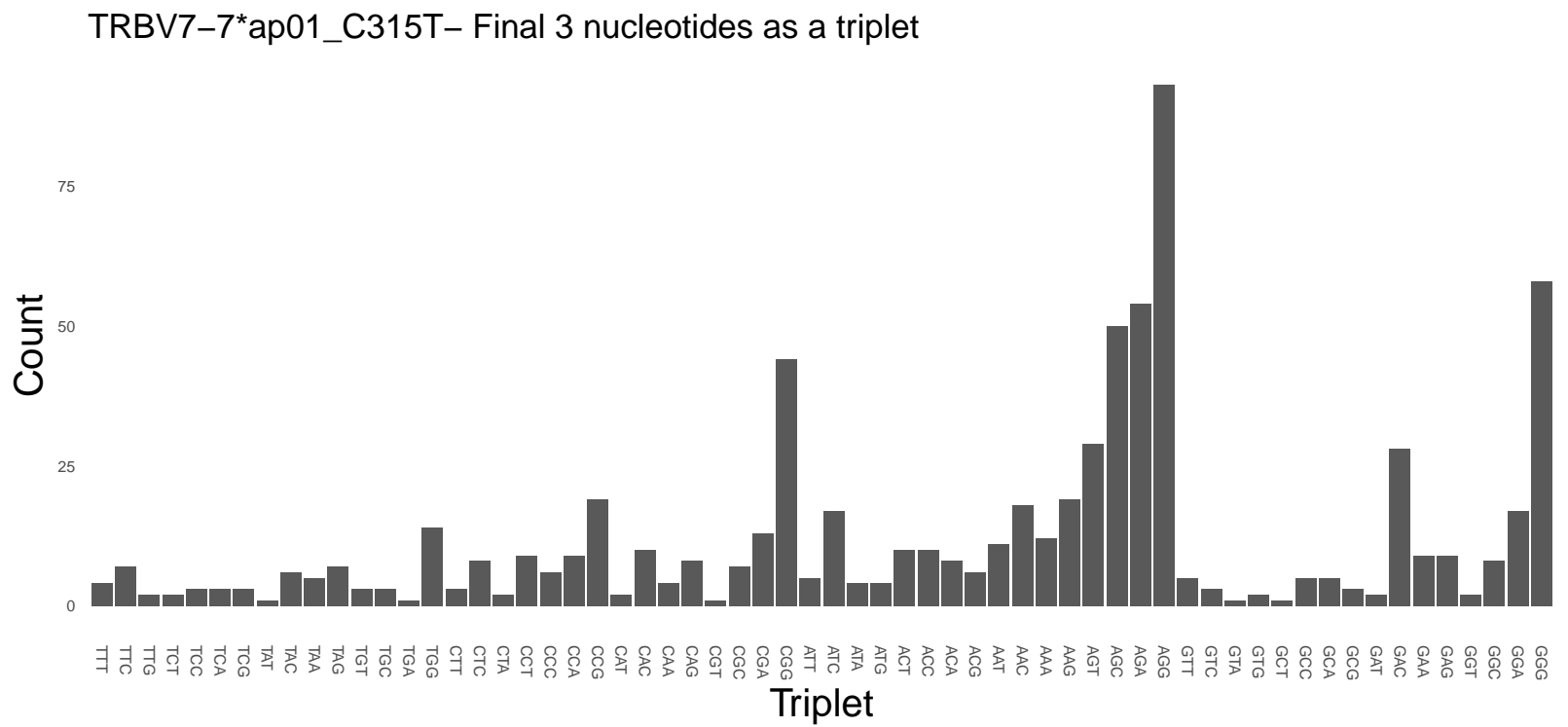
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



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

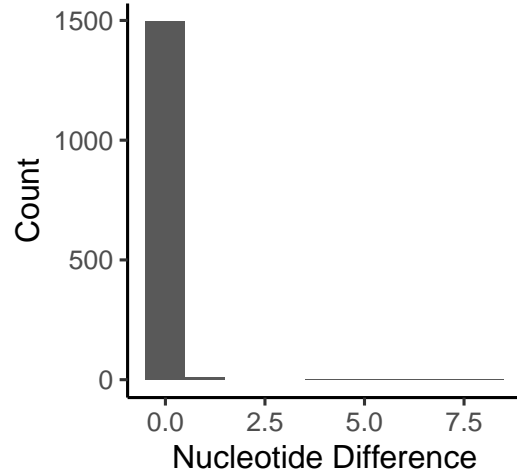


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



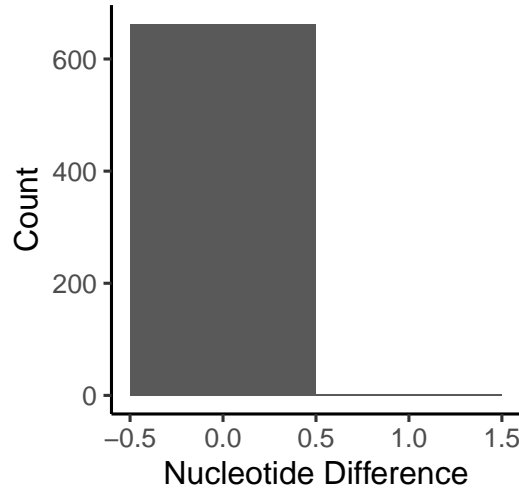
### TRBV10-1\*ap01

1519 sequences assigned  
1496 (98.5%) exact matches, in which:  
1469 unique CDR3  
13 unique J



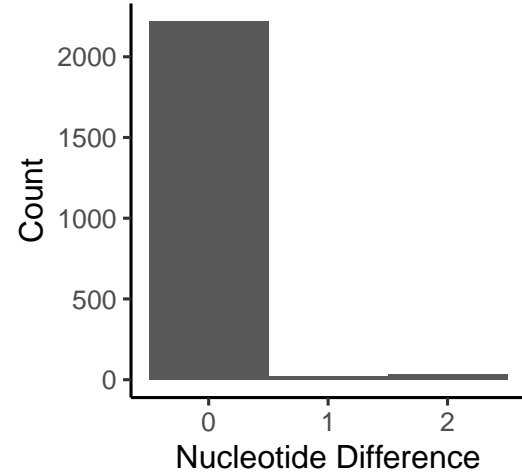
### TRBV10-2\*ap01

666 sequences assigned  
663 (99.5%) exact matches, in which:  
660 unique CDR3  
13 unique J



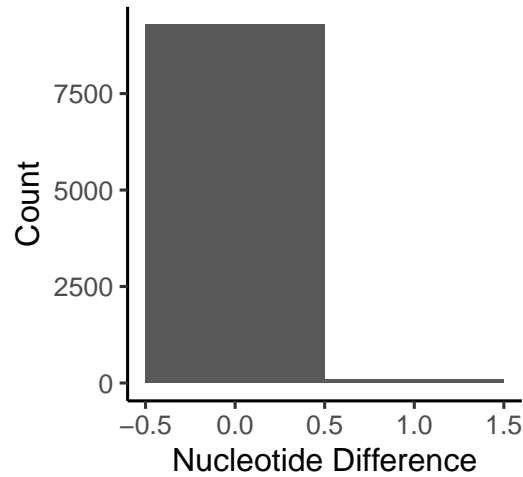
### TRBV13\*ap01

2276 sequences assigned  
2219 (97.5%) exact matches, in which:  
2154 unique CDR3  
13 unique J



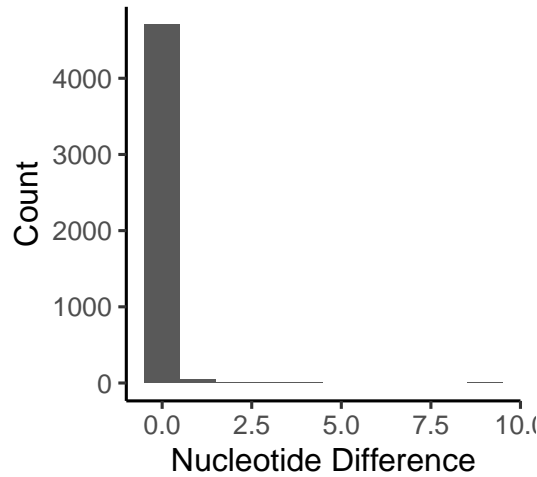
### TRBV20-1\*ap01

9375 sequences assigned  
9284 (99%) exact matches, in which:  
9138 unique CDR3  
13 unique J



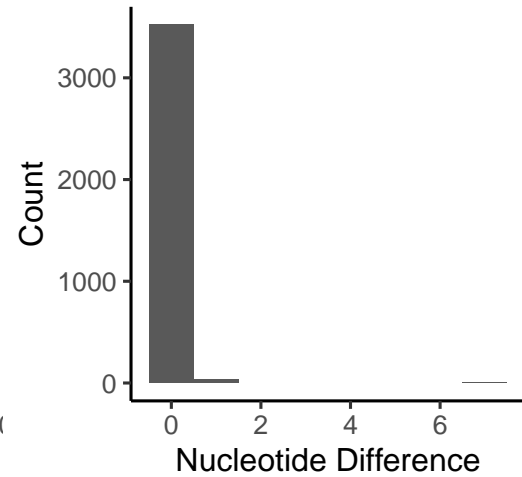
### TRBV10-3\*ap01

4764 sequences assigned  
4703 (98.7%) exact matches, in which:  
4627 unique CDR3  
13 unique J



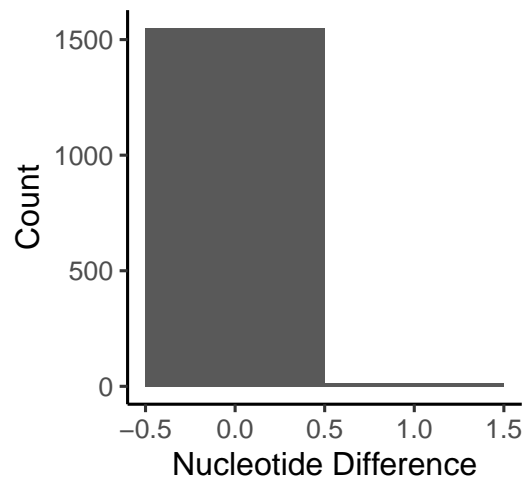
### TRBV14\*ap01

3559 sequences assigned  
3522 (99%) exact matches, in which:  
3466 unique CDR3  
13 unique J



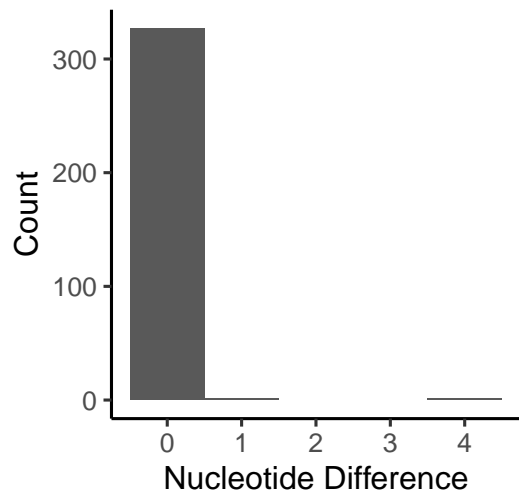
### TRBV20-1\*ap02

1563 sequences assigned  
1550 (99.2%) exact matches, in which:  
1521 unique CDR3  
13 unique J



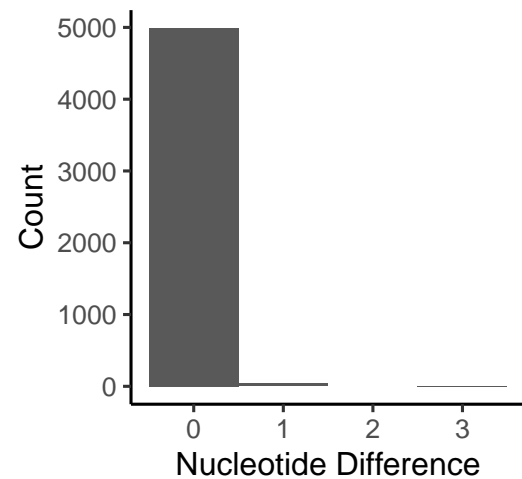
### TRBV1\*ap01

329 sequences assigned  
327 (99.4%) exact matches, in which:  
317 unique CDR3  
13 unique J



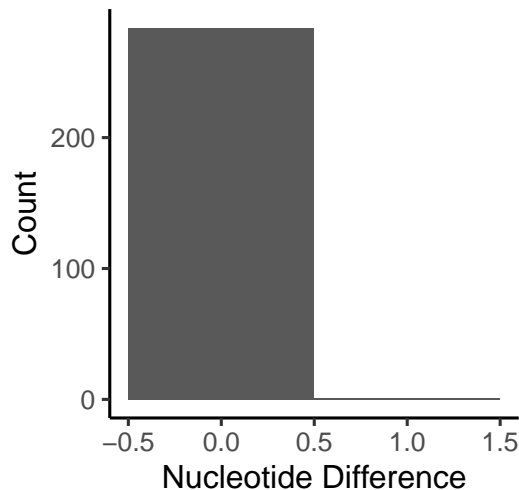
### TRBV15\*ap02

5029 sequences assigned  
4991 (99.2%) exact matches, in which:  
4868 unique CDR3  
13 unique J



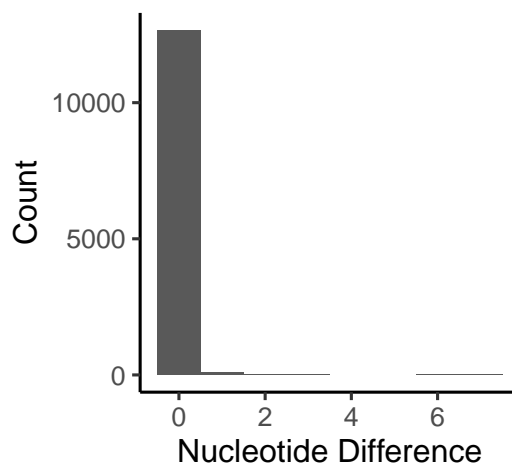
### TRBV16\*ap01

285 sequences assigned  
284 (99.6%) exact matches, in which:  
284 unique CDR3  
13 unique J



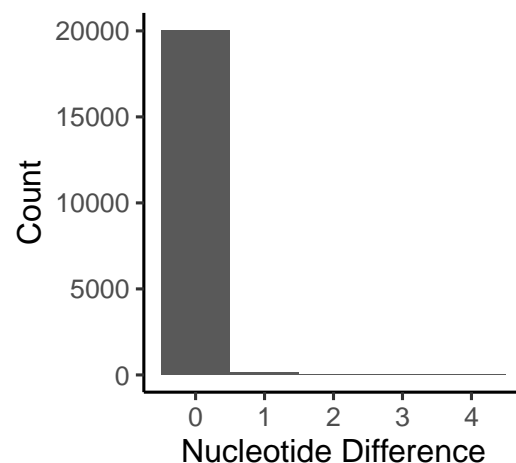
### TRBV19\*ap01

12774 sequences assigned  
12663 (99.1%) exact matches, in which:  
12536 unique CDR3  
13 unique J



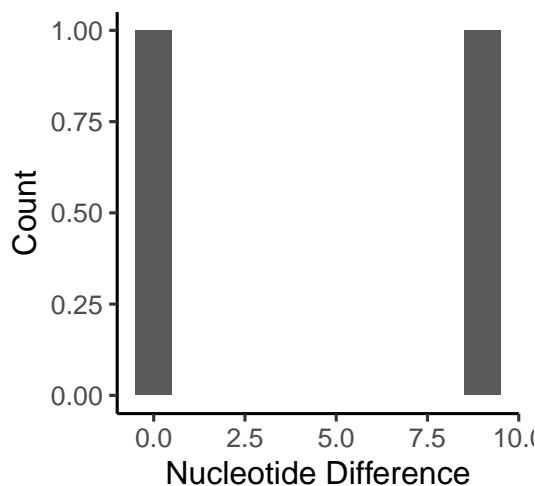
### TRBV28\*ap01

20182 sequences assigned  
20042 (99.3%) exact matches, in which:  
19747 unique CDR3  
13 unique J



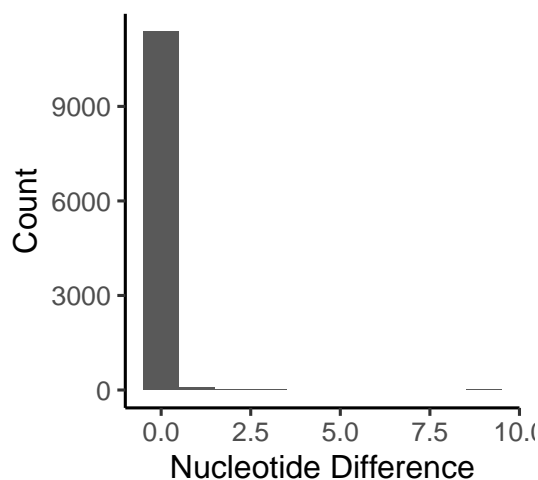
### TRBV17\*ap01

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



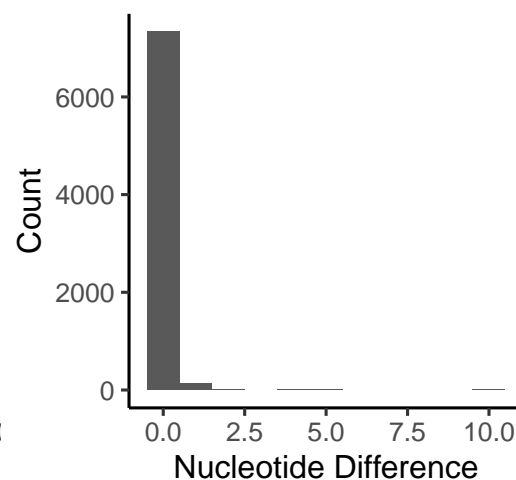
### TRBV2\*ap01

11468 sequences assigned  
11370 (99.1%) exact matches, in which:  
11163 unique CDR3  
13 unique J



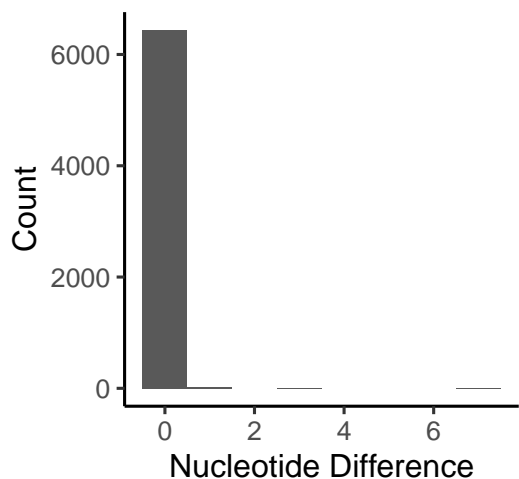
### TRBV30\*ap01

7472 sequences assigned  
7335 (98.2%) exact matches, in which:  
7159 unique CDR3  
13 unique J



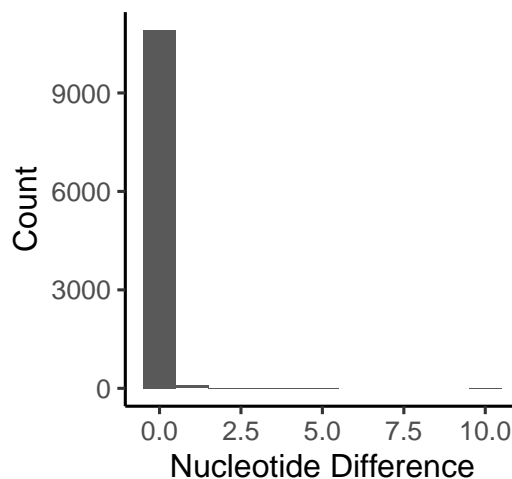
### TRBV18\*ap01

6463 sequences assigned  
6439 (99.6%) exact matches, in which:  
6365 unique CDR3  
13 unique J



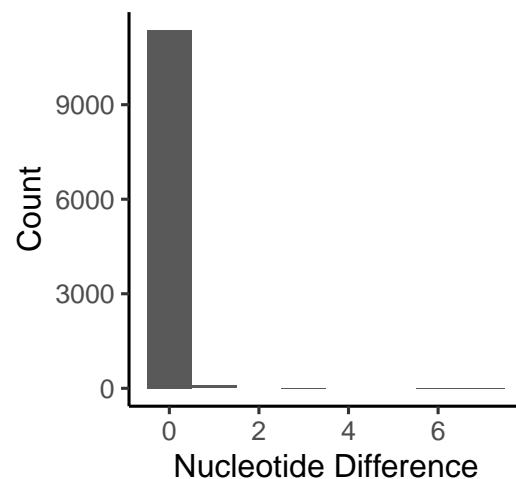
### TRBV27\*ap01

11019 sequences assigned  
10917 (99.1%) exact matches, in which:  
10690 unique CDR3  
13 unique J



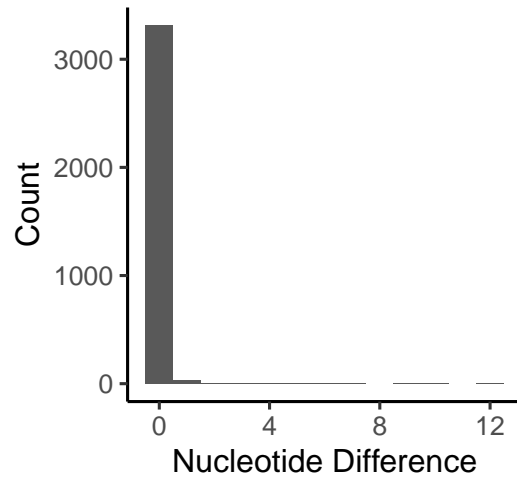
### TRBV9\*ap01

11467 sequences assigned  
11368 (99.1%) exact matches, in which:  
11221 unique CDR3  
13 unique J



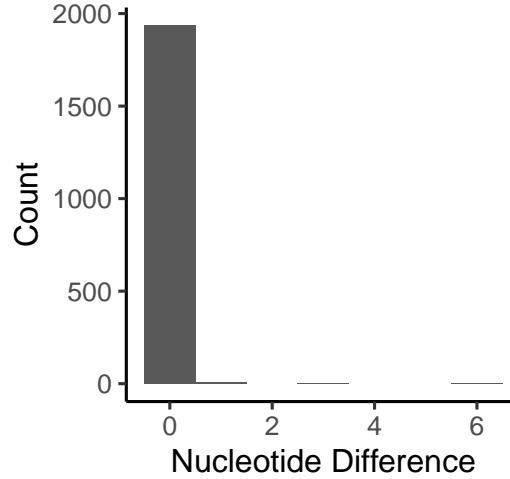
### TRBV21-1\*ap01

3361 sequences assigned  
3313 (98.6%) exact matches, in which:  
3291 unique CDR3  
13 unique J



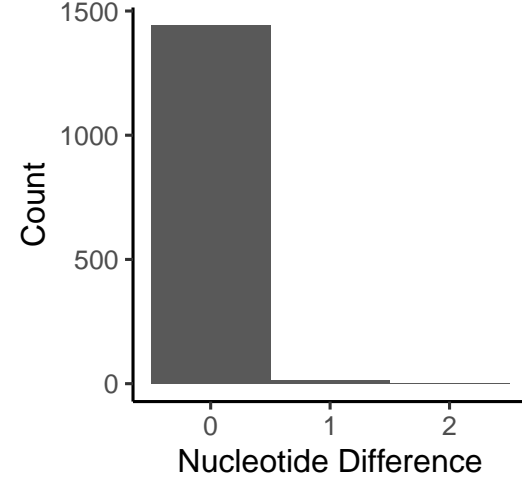
### TRBV11-3\*ap01

1947 sequences assigned  
1936 (99.4%) exact matches, in which:  
1922 unique CDR3  
13 unique J



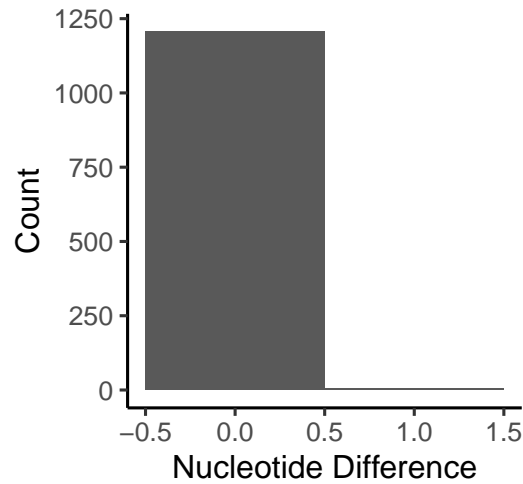
### TRBV12-5\*ap01

1457 sequences assigned  
1442 (99%) exact matches, in which:  
1430 unique CDR3  
13 unique J



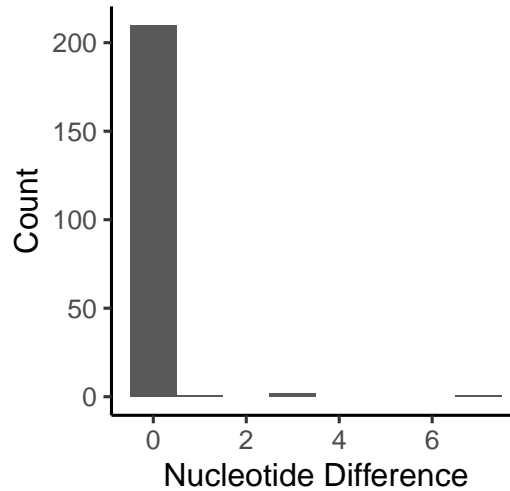
### TRBV11-1\*ap01

1211 sequences assigned  
1206 (99.6%) exact matches, in which:  
1194 unique CDR3  
13 unique J



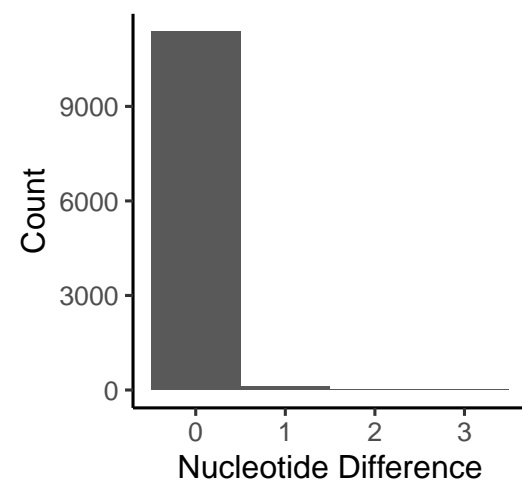
### TRBV12-1\*ap01

214 sequences assigned  
210 (98.1%) exact matches, in which:  
209 unique CDR3  
13 unique J



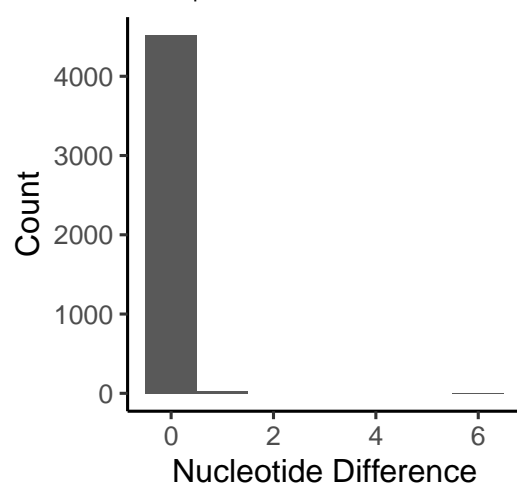
### TRBV12-34\*ap01

11488 sequences assigned  
11370 (99%) exact matches, in which:  
11172 unique CDR3  
13 unique J



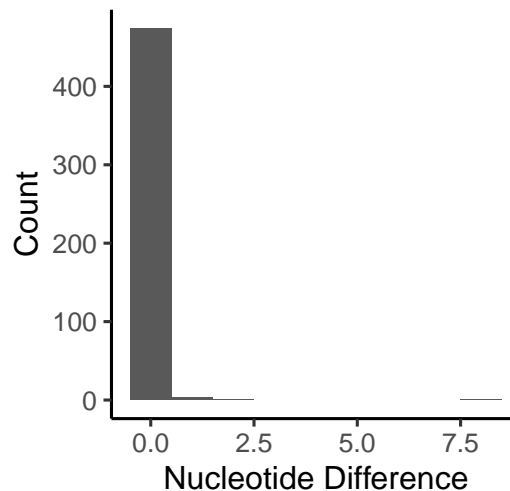
### TRBV11-2\*ap01

4549 sequences assigned  
4520 (99.4%) exact matches, in which:  
4472 unique CDR3  
13 unique J



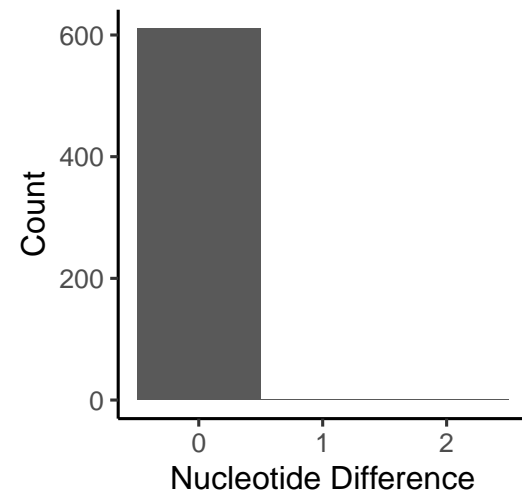
### TRBV12-2\*ap01

479 sequences assigned  
474 (99%) exact matches, in which:  
464 unique CDR3  
13 unique J



### TRBV23-1\*ap01

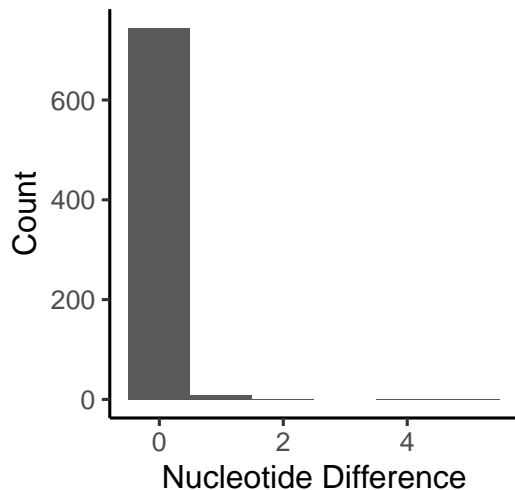
613 sequences assigned  
611 (99.7%) exact matches, in which:  
607 unique CDR3  
13 unique J





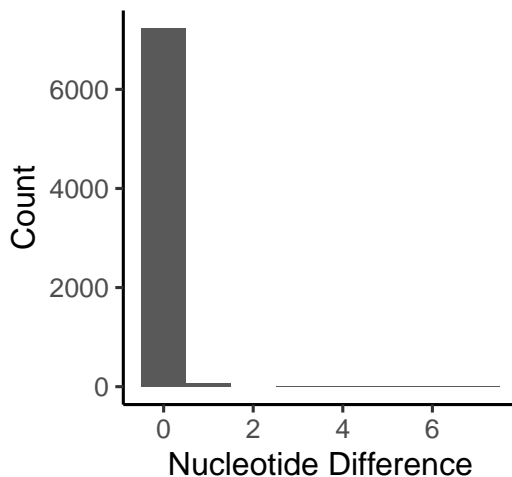
### TRBV23-1\*ap01\_T304C

757 sequences assigned  
745 (98.4%) exact matches, in which:  
728 unique CDR3  
13 unique J



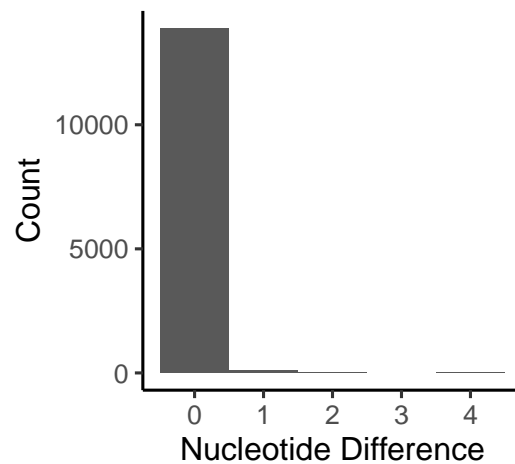
### TRBV24-1\*ap01

7315 sequences assigned  
7230 (98.8%) exact matches, in which:  
7113 unique CDR3  
13 unique J



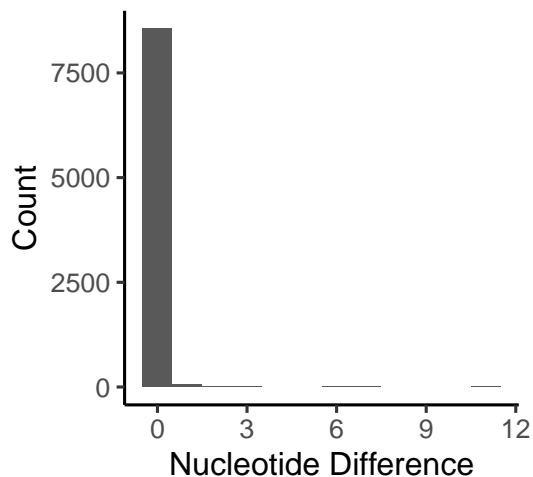
### TRBV5-1\*ap01

14011 sequences assigned  
13893 (99.2%) exact matches, in which:  
13537 unique CDR3  
13 unique J



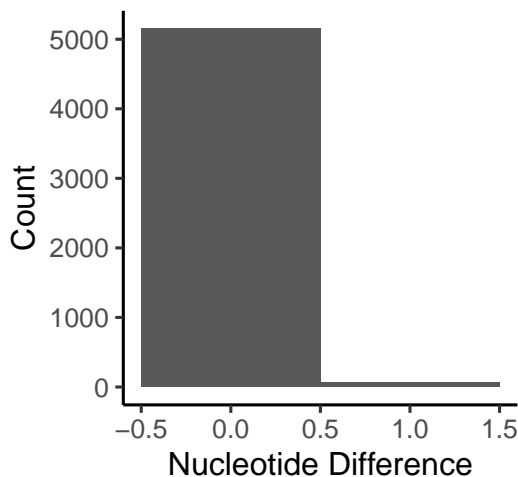
### TRBV3-12\*ap01

8626 sequences assigned  
8555 (99.2%) exact matches, in which:  
8461 unique CDR3  
13 unique J



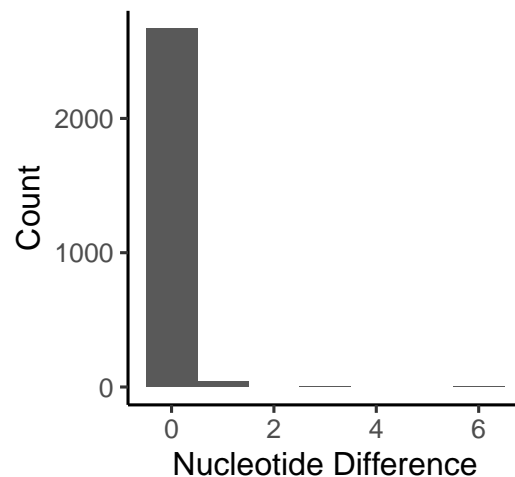
### TRBV4-2\*ap01

5213 sequences assigned  
5151 (98.8%) exact matches, in which:  
5056 unique CDR3  
13 unique J



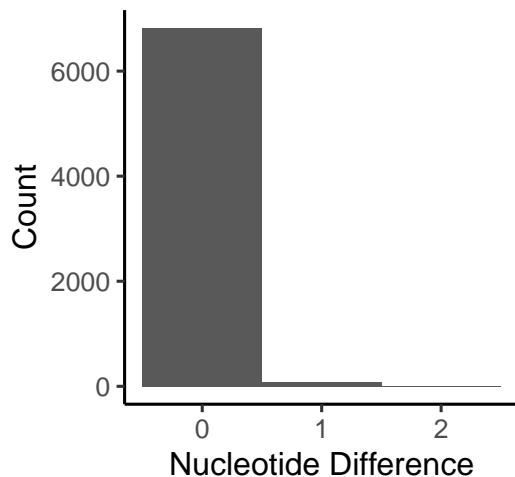
### TRBV25-1\*ap01

2708 sequences assigned  
2668 (98.5%) exact matches, in which:  
2616 unique CDR3  
13 unique J



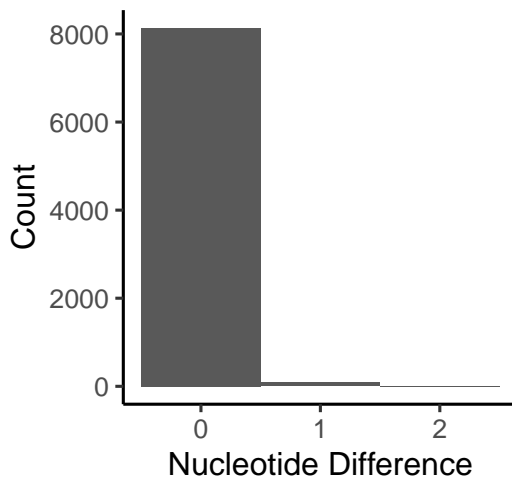
### TRBV4-1\*ap01

6901 sequences assigned  
6820 (98.8%) exact matches, in which:  
6672 unique CDR3  
13 unique J



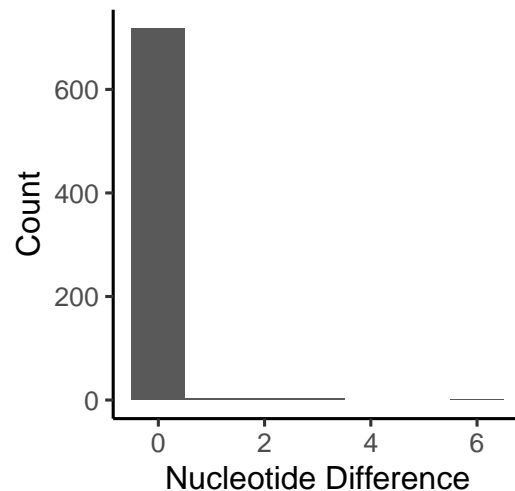
### TRBV4-3\*ap01

8223 sequences assigned  
8134 (98.9%) exact matches, in which:  
7984 unique CDR3  
13 unique J



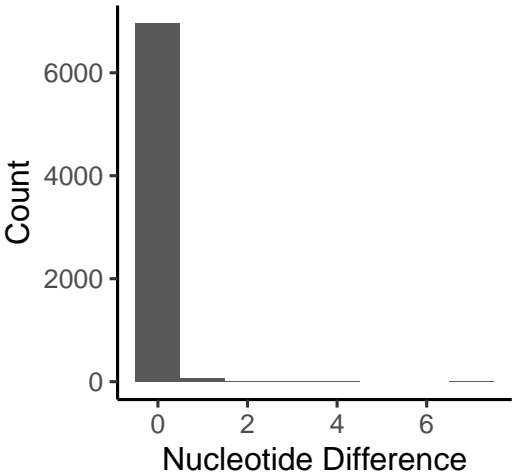
### TRBV5-3\*ap01

728 sequences assigned  
718 (98.6%) exact matches, in which:  
706 unique CDR3  
13 unique J



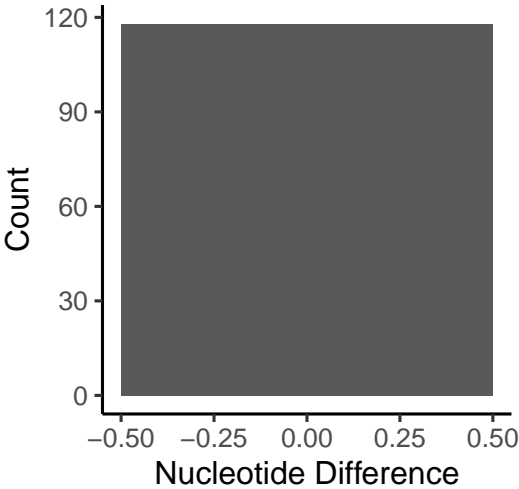
TRBV5-4\*ap01

7041 sequences assigned  
6959 (98.8%) exact matches, in which:  
6813 unique CDR3  
13 unique J



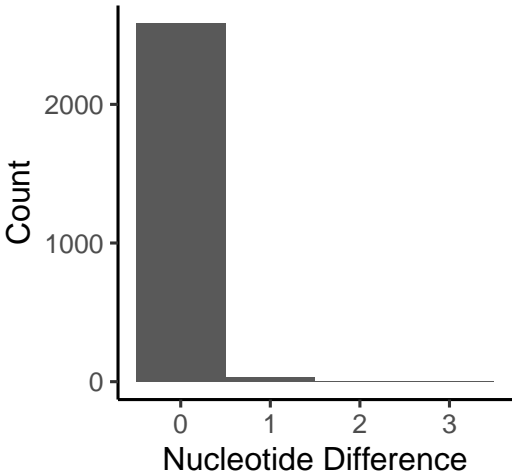
TRBV5-7\*ap01

118 sequences assigned  
118 (100%) exact matches, in which:  
116 unique CDR3  
13 unique J



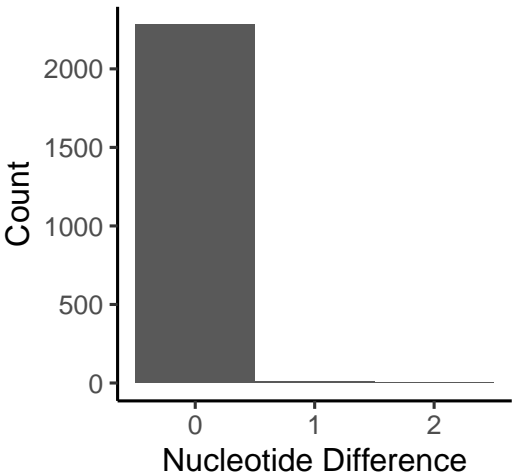
TRBV6-4\*ap01

2620 sequences assigned  
2584 (98.6%) exact matches, in which:  
2555 unique CDR3  
13 unique J



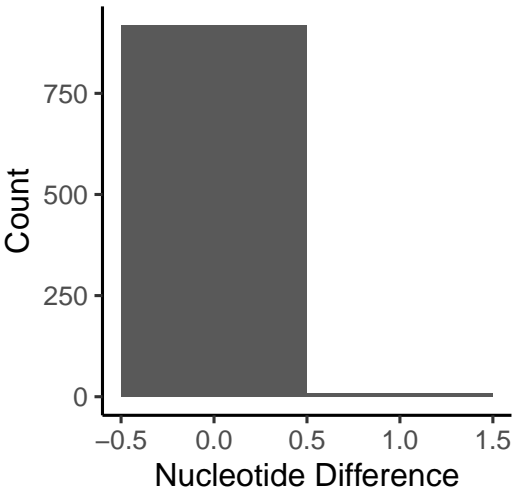
TRBV5-5\*ap01

2293 sequences assigned  
2281 (99.5%) exact matches, in which:  
2270 unique CDR3  
13 unique J



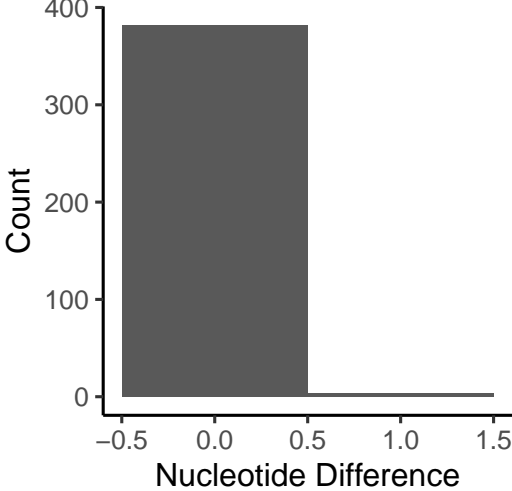
TRBV5-8\*ap01

928 sequences assigned  
919 (99%) exact matches, in which:  
903 unique CDR3  
13 unique J



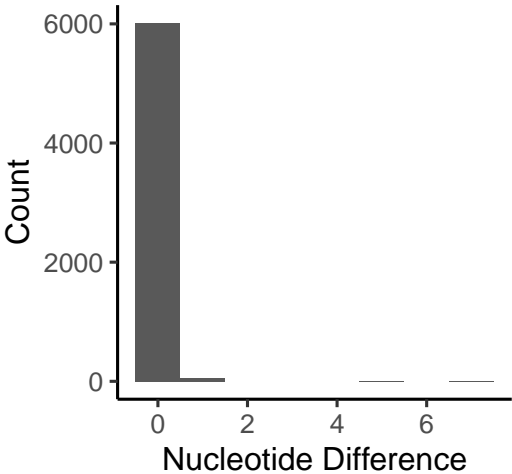
TRBV6-7\*ap01

386 sequences assigned  
382 (99%) exact matches, in which:  
371 unique CDR3  
13 unique J



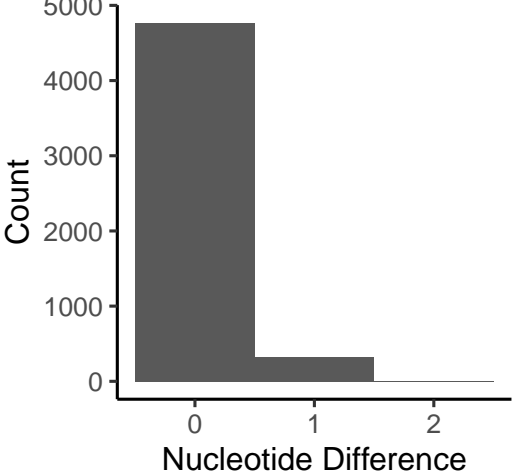
TRBV5-6\*ap01

6077 sequences assigned  
6014 (99%) exact matches, in which:  
5838 unique CDR3  
13 unique J



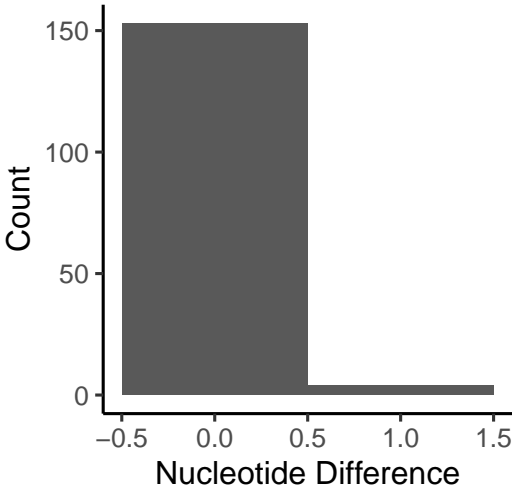
TRBV6-1\*ap01

5092 sequences assigned  
4765 (93.6%) exact matches, in which:  
4654 unique CDR3  
13 unique J



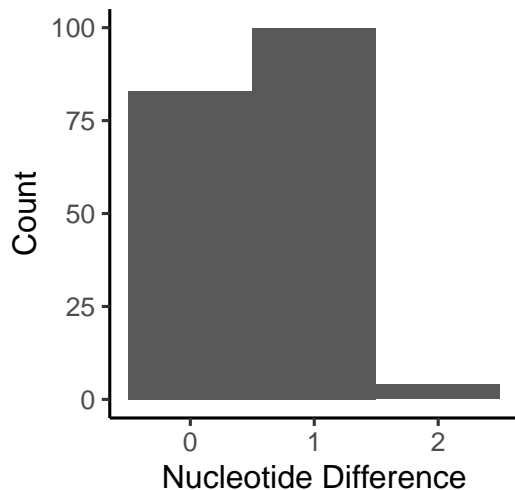
TRBV6-8\*ap01

157 sequences assigned  
153 (97.5%) exact matches, in which:  
151 unique CDR3  
13 unique J



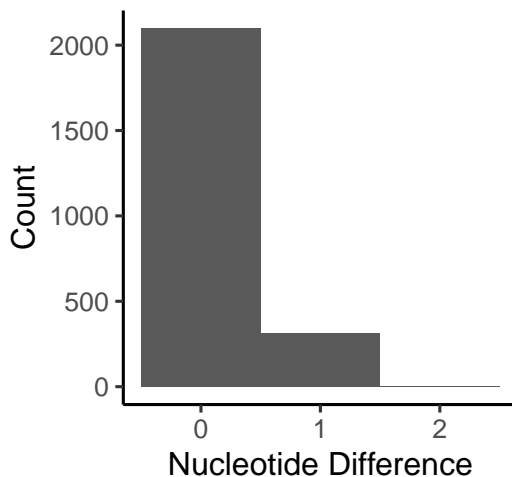
### TRBV6–9\*ap01

187 sequences assigned  
83 (44.4%) exact matches, in which:  
80 unique CDR3  
13 unique J



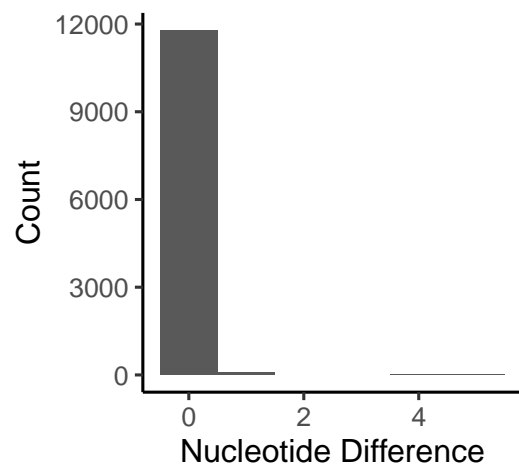
### TRBV6–56\*ap02

2417 sequences assigned  
2098 (86.8%) exact matches, in which:  
2041 unique CDR3  
13 unique J



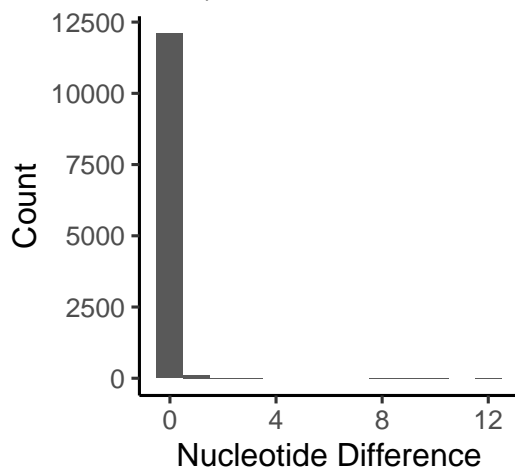
### TRBV7–2\*ap01

11867 sequences assigned  
11791 (99.4%) exact matches, in which:  
11645 unique CDR3  
13 unique J



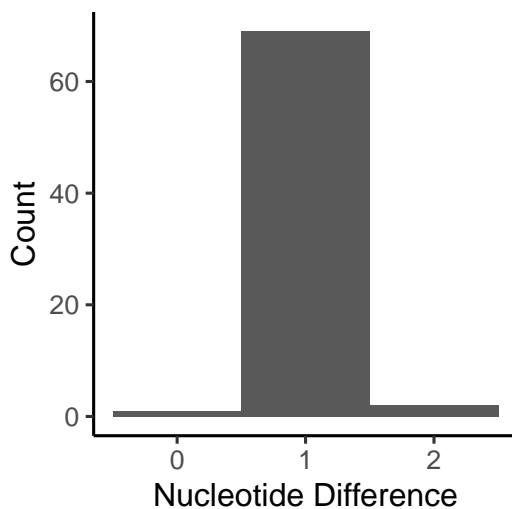
### TRBV6–23\*ap01

12232 sequences assigned  
12101 (98.9%) exact matches, in which:  
11792 unique CDR3  
13 unique J



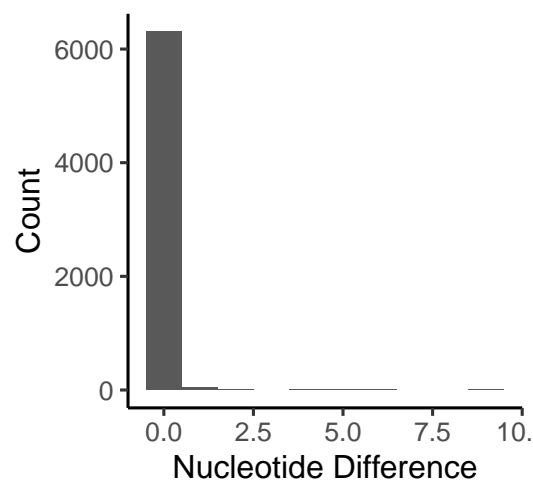
### TRBV7–1\*ap01\_T296C

72 sequences assigned  
1 (1.4%) exact matches, in which:  
1 unique CDR3  
1 unique J



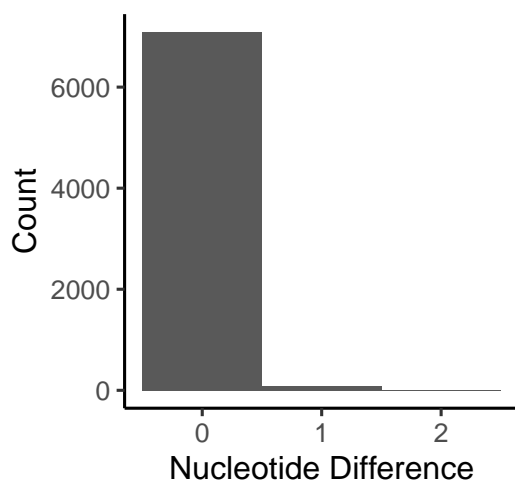
### TRBV7–3\*ap01

6357 sequences assigned  
6305 (99.2%) exact matches, in which:  
6245 unique CDR3  
13 unique J



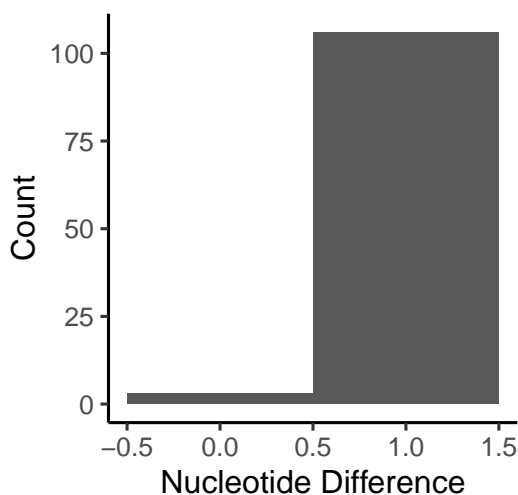
### TRBV6–56\*ap01

7176 sequences assigned  
7090 (98.8%) exact matches, in which:  
6897 unique CDR3  
13 unique J



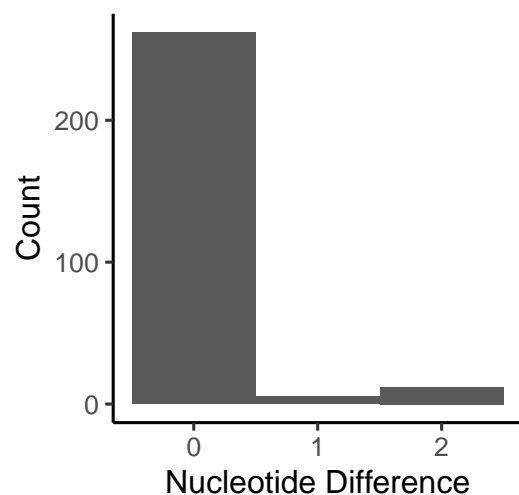
### TRBV7–1\*ap01\_T296C\_()

109 sequences assigned  
3 (2.8%) exact matches, in which:  
3 unique CDR3  
3 unique J



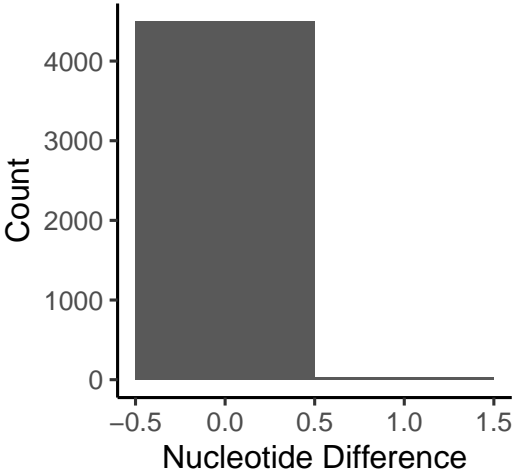
### TRBV7–4\*ap01

279 sequences assigned  
262 (93.9%) exact matches, in which:  
257 unique CDR3  
13 unique J



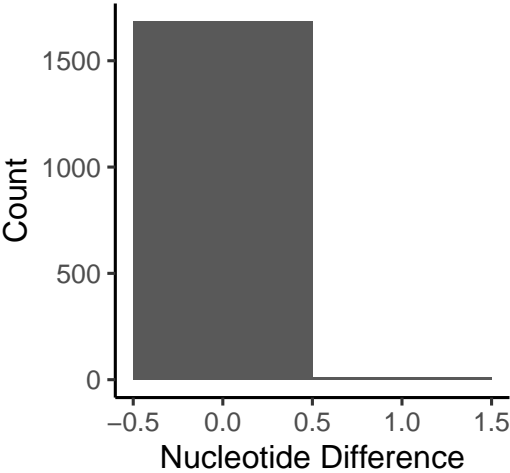
TRBV7-6\*ap01

4531 sequences assigned  
4498 (99.3%) exact matches, in which:  
4425 unique CDR3  
13 unique J



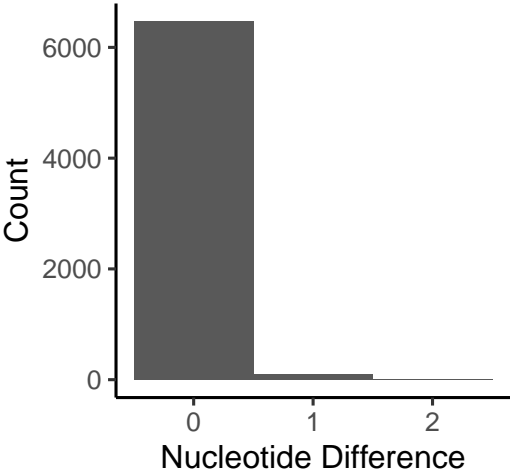
TRBV7-8\*ap01

1697 sequences assigned  
1685 (99.3%) exact matches, in which:  
1643 unique CDR3  
13 unique J



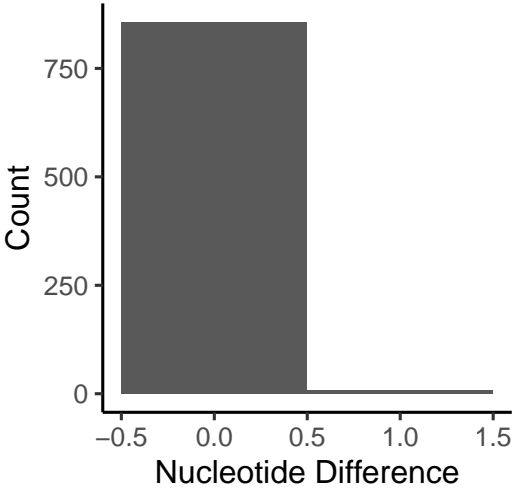
TRBV29-1\*ap01

6566 sequences assigned  
6469 (98.5%) exact matches, in which:  
6269 unique CDR3  
13 unique J



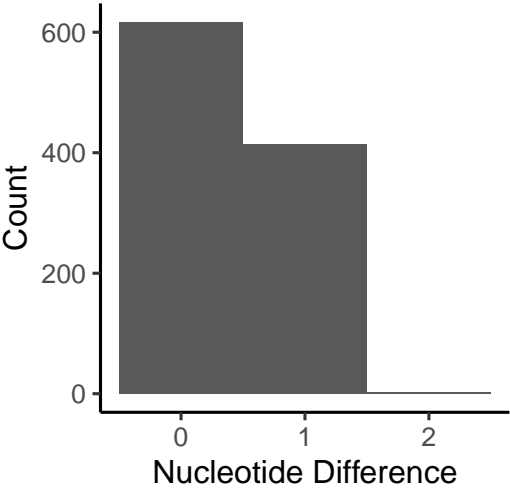
TRBV7-7\*ap01

865 sequences assigned  
857 (99.1%) exact matches, in which:  
844 unique CDR3  
13 unique J



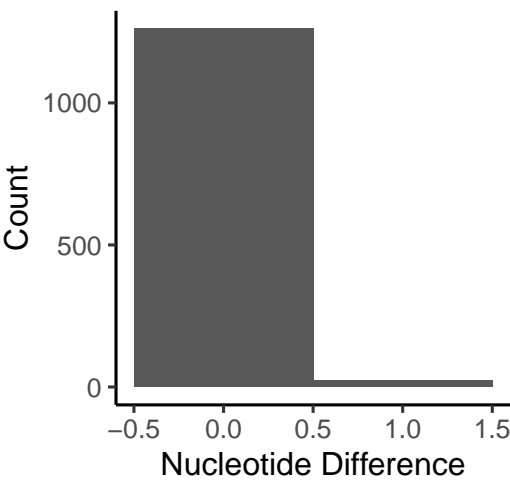
TRBV7-8\*ap03

1033 sequences assigned  
617 (59.7%) exact matches, in which:  
598 unique CDR3  
13 unique J



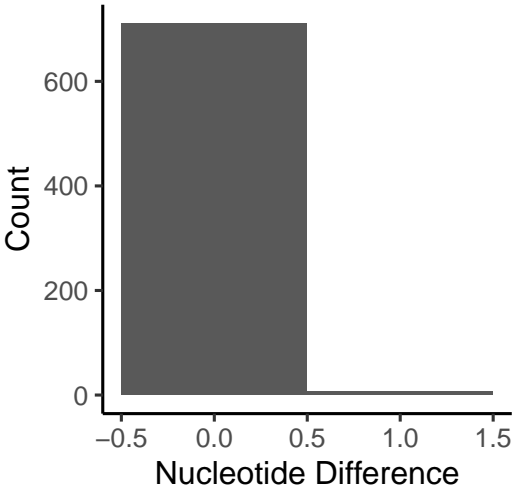
TRBV29-1\*ap02

1283 sequences assigned  
1261 (98.3%) exact matches, in which:  
1223 unique CDR3  
13 unique J



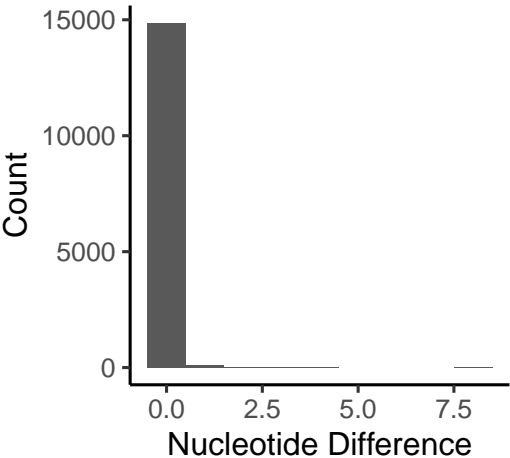
TRBV7-7\*ap01\_C315T

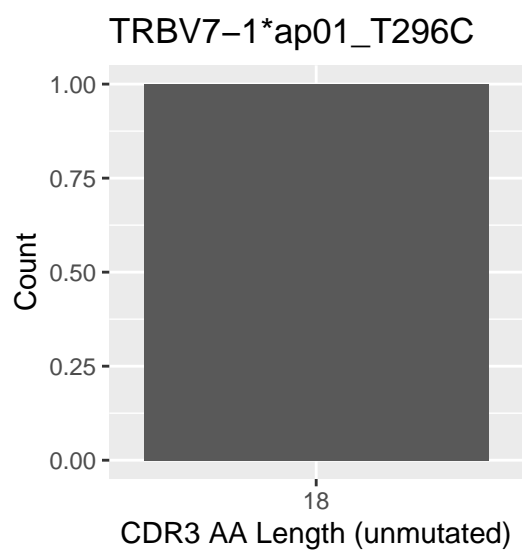
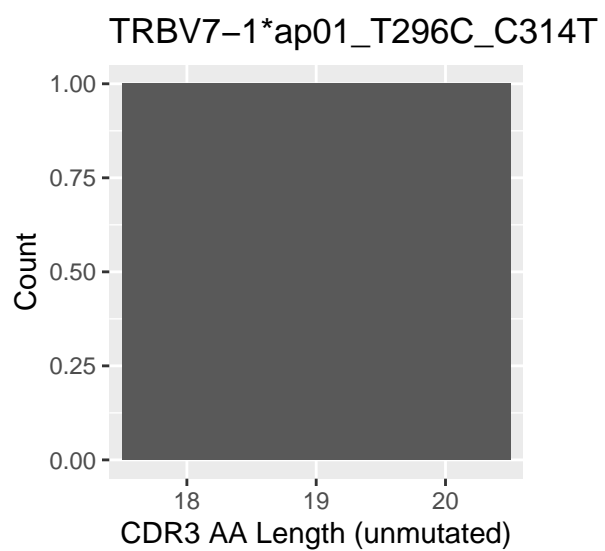
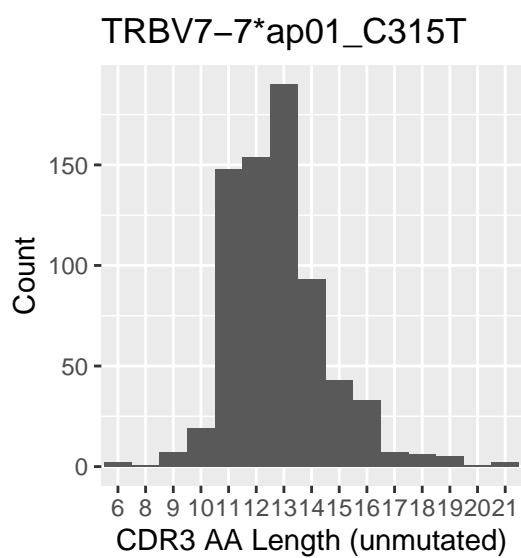
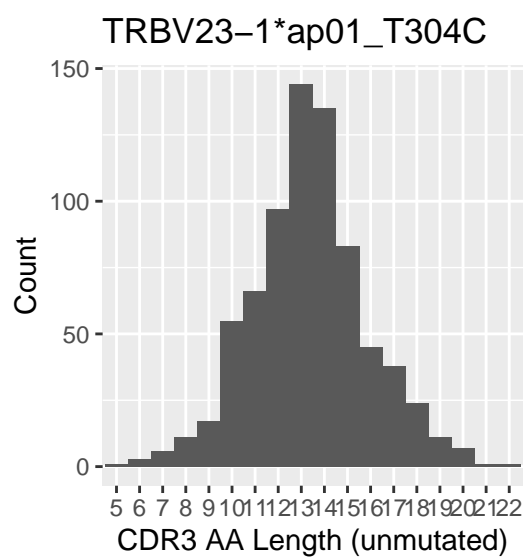
717 sequences assigned  
711 (99.2%) exact matches, in which:  
704 unique CDR3  
13 unique J



TRBV7-9\*ap01

14996 sequences assigned  
14870 (99.2%) exact matches, in which:  
14625 unique CDR3  
13 unique J







Warning – no inferred sequences found.