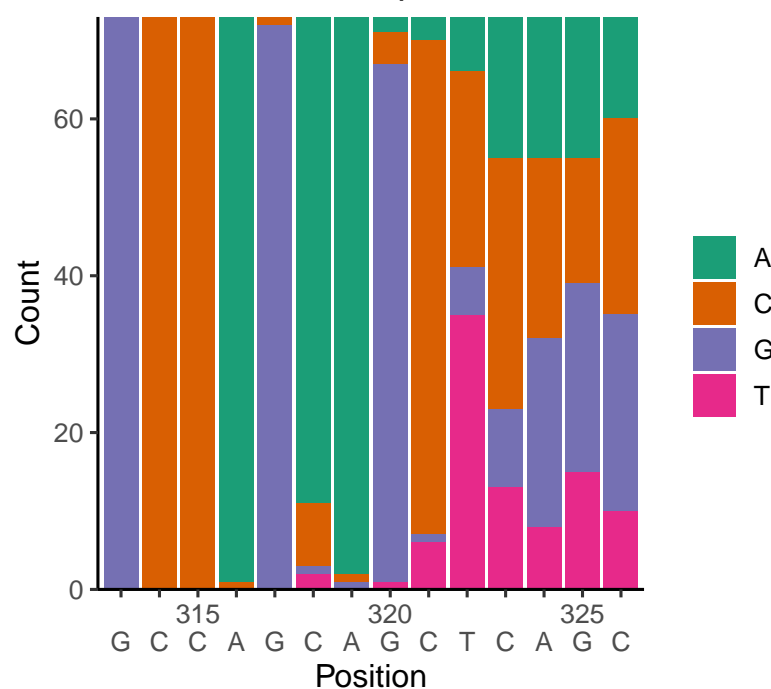
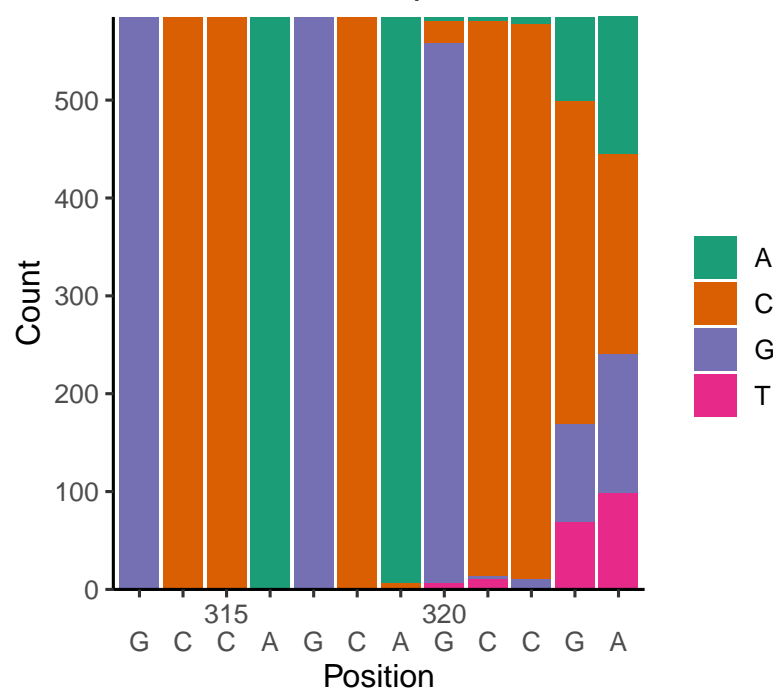


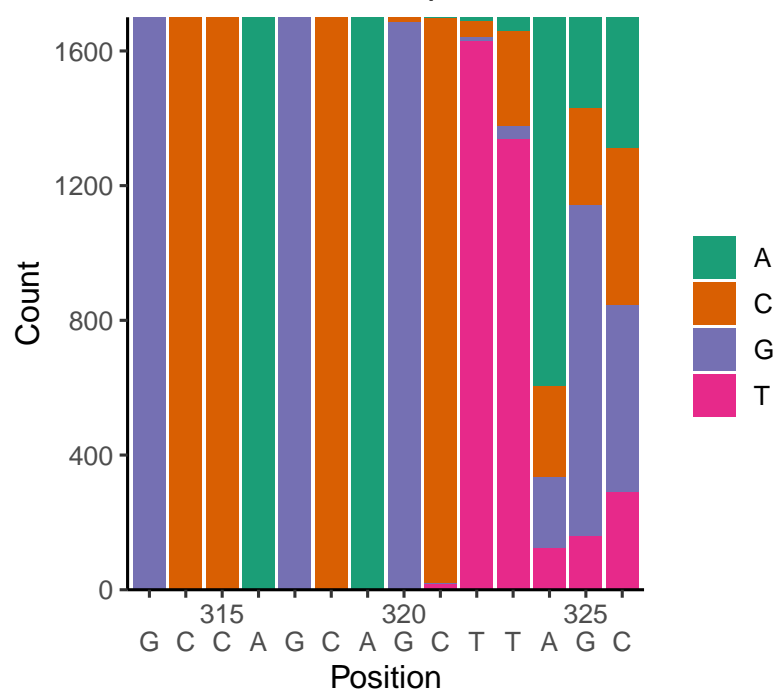
Gene TRBV7-1\*ap01\_T296C



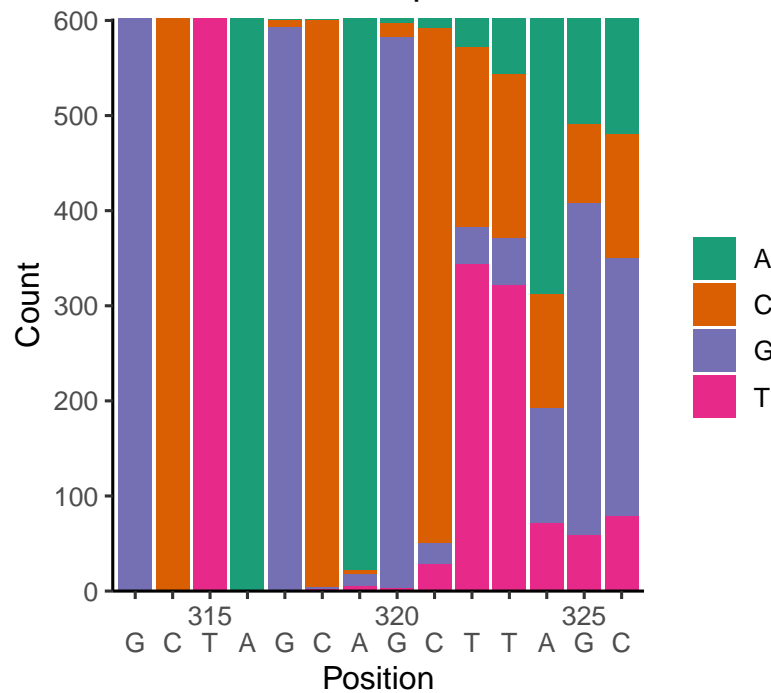
Gene TRBV7-8\*ap03\_C297A



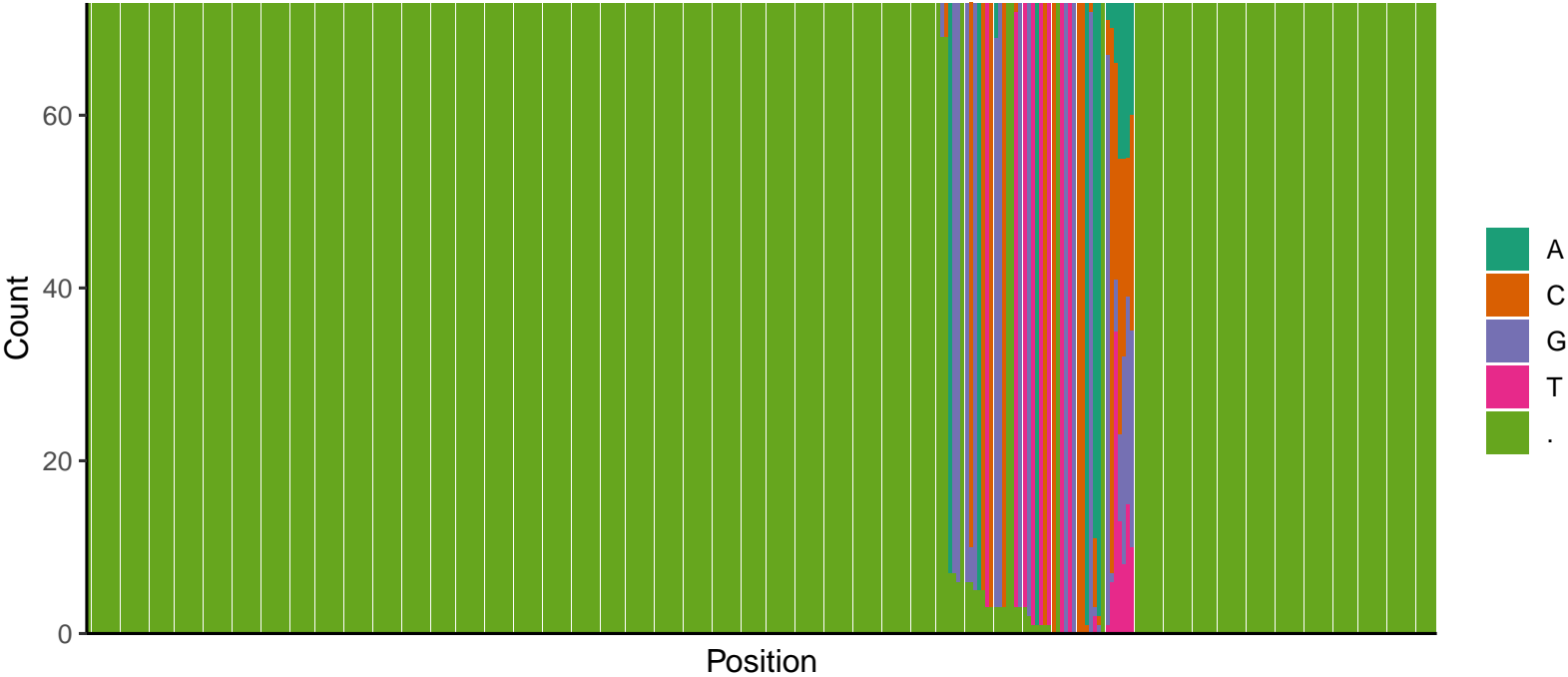
Gene TRBV7-2\*ap01\_G297A



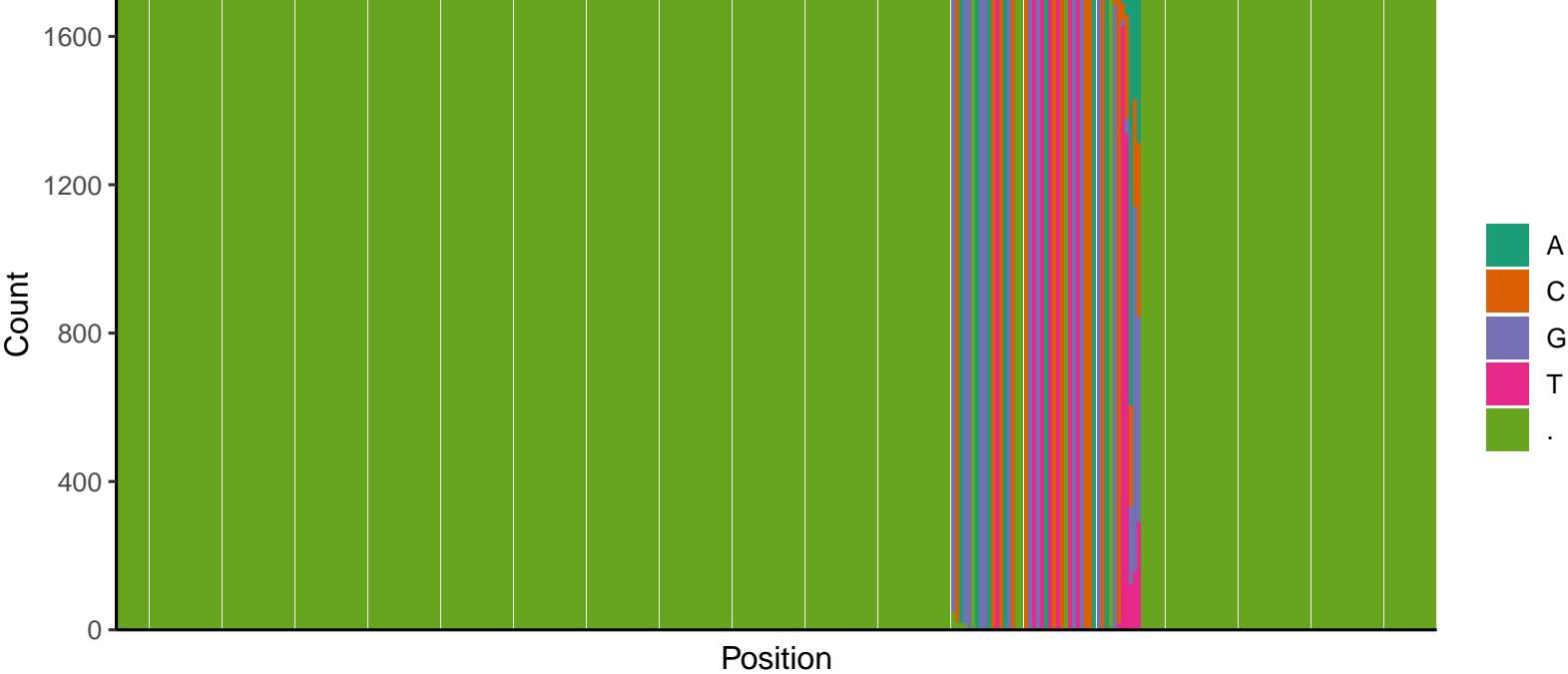
Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-2\*ap01\_G297A



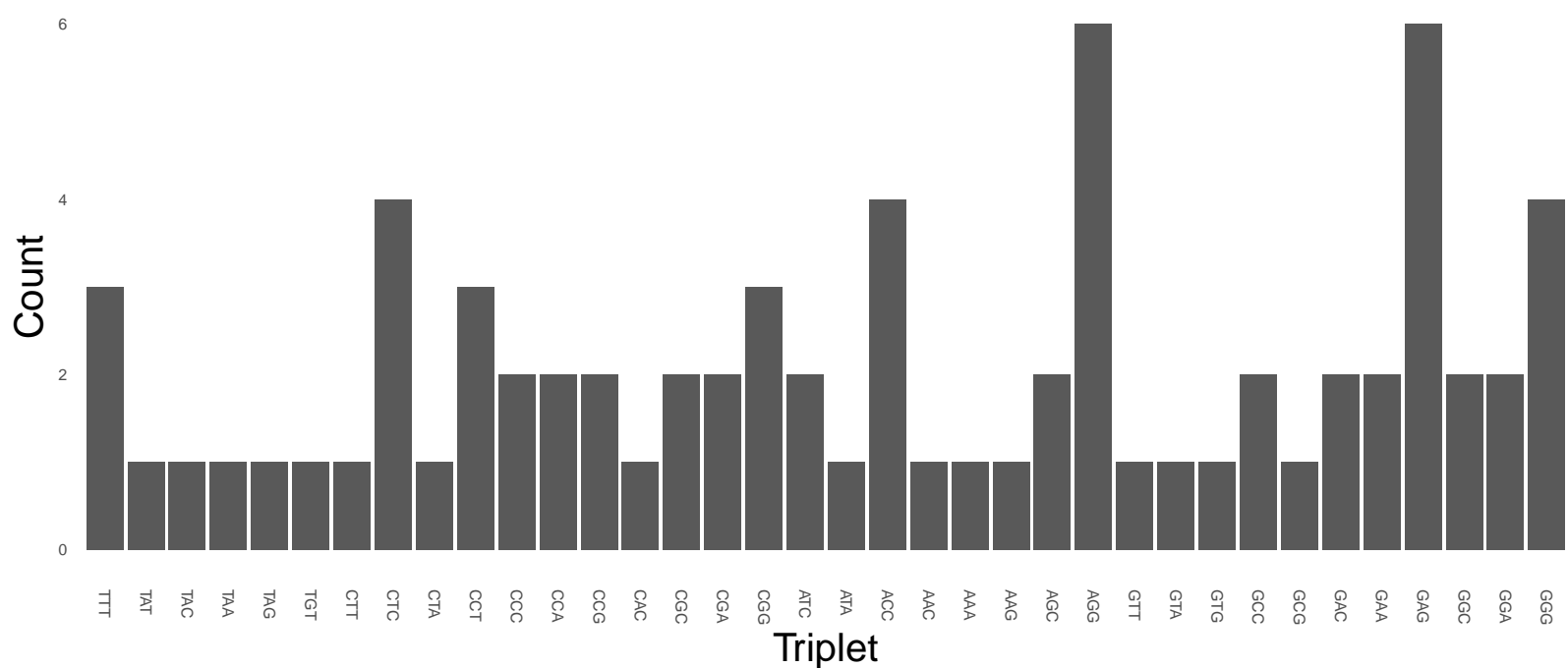
Gene TRBV7-7\*ap01\_C315T



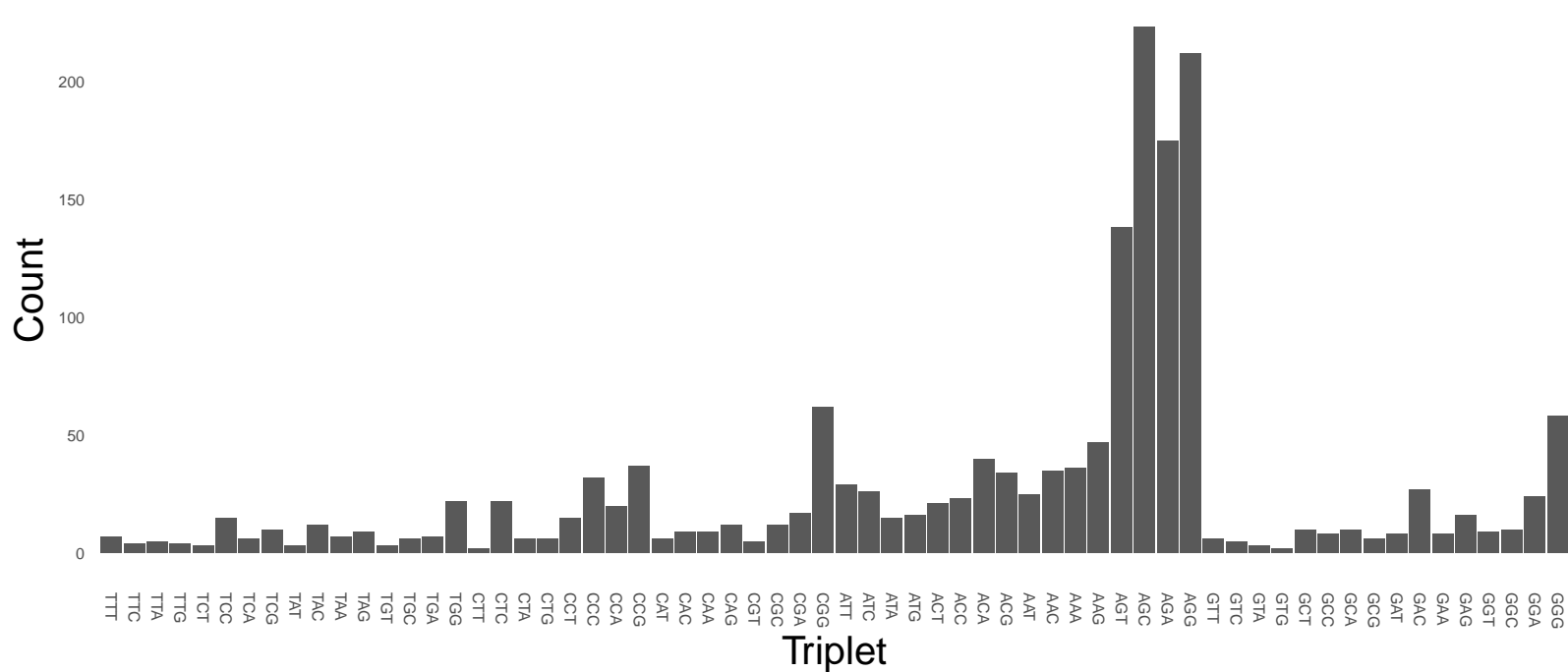
Gene TRBV7-8\*ap03\_C297A



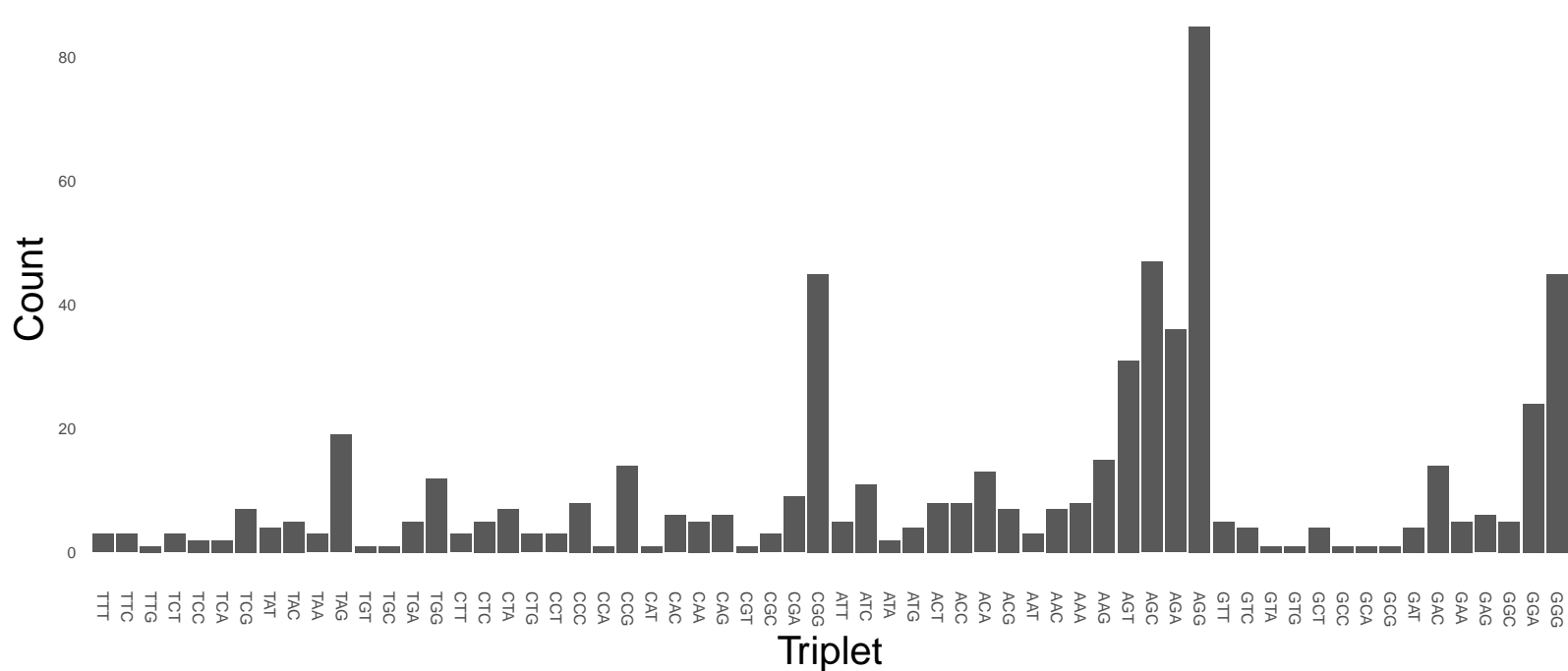
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



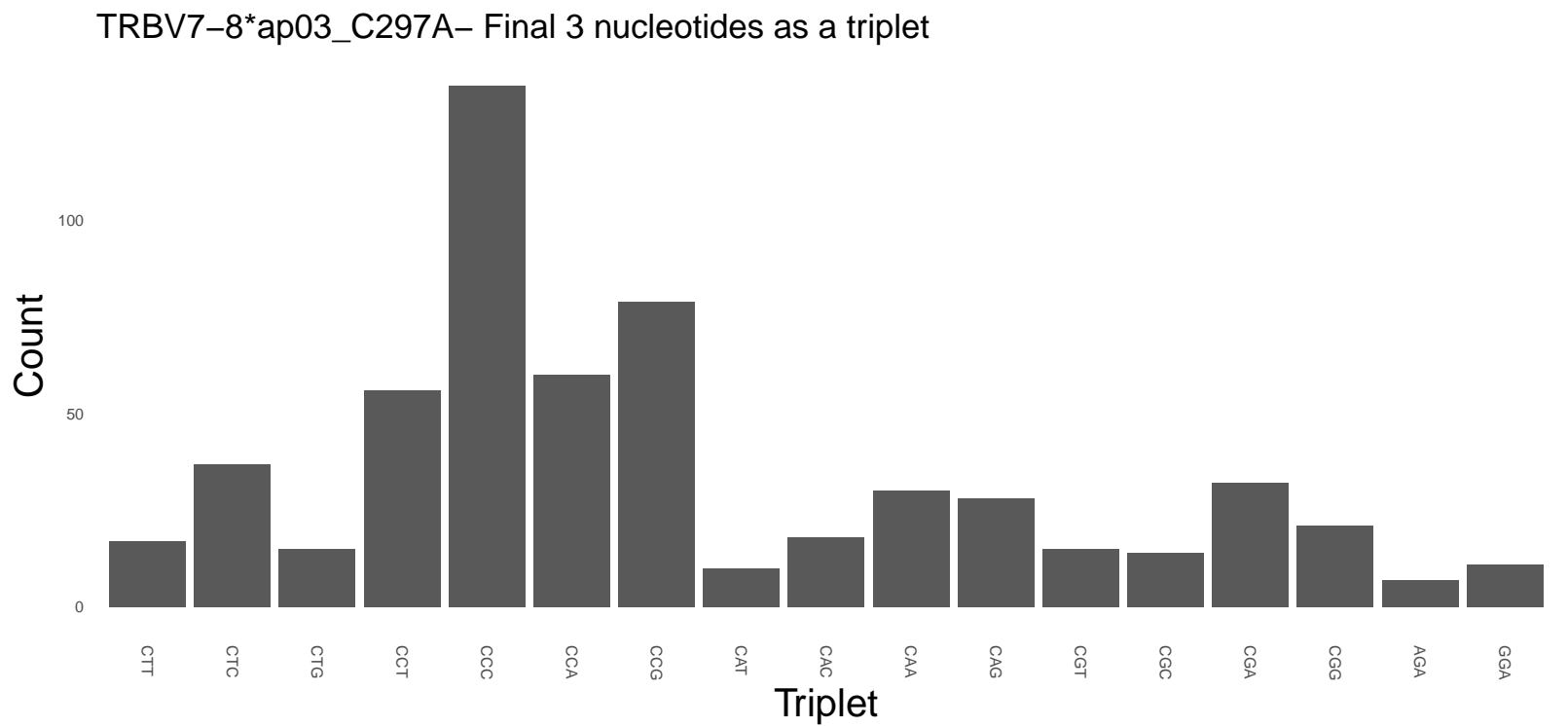
TRBV7-2\*ap01\_G297A- Final 3 nucleotides as a triplet



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

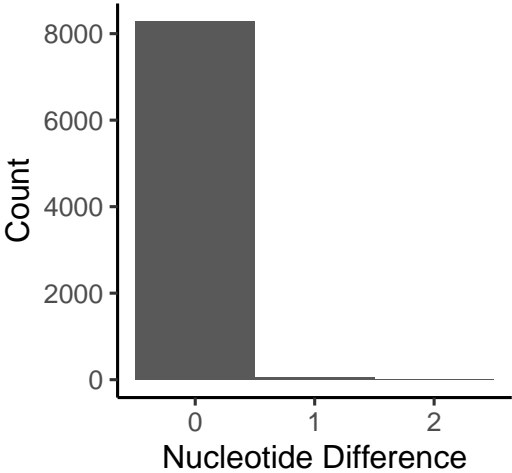


TRBV7-8\*ap03\_C297A- Final 3 nucleotides as a triplet



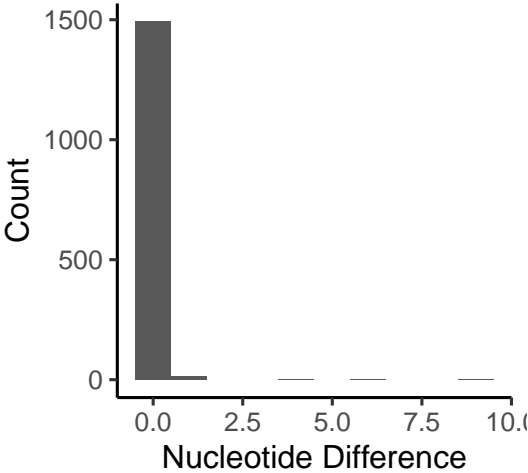
TRBV20-1\*ap01

8346 sequences assigned  
8283 (99.2%) exact matches, in which:  
8243 unique CDR3  
13 unique J



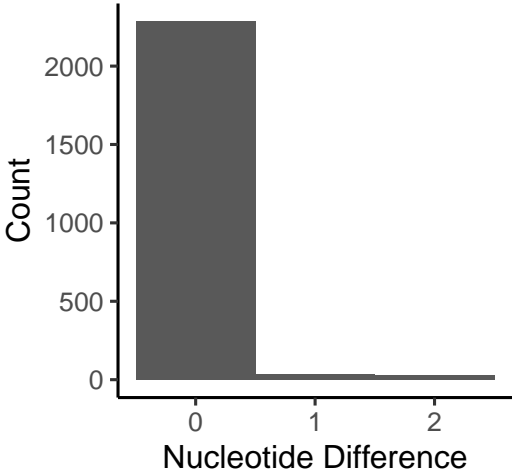
TRBV10-2\*ap01

1512 sequences assigned  
1493 (98.7%) exact matches, in which:  
1485 unique CDR3  
13 unique J



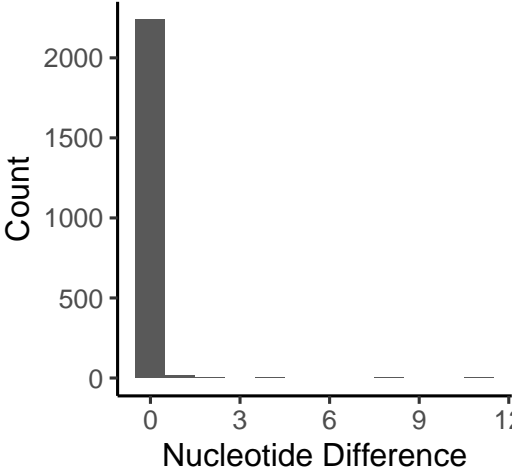
TRBV13\*ap01

2353 sequences assigned  
2285 (97.1%) exact matches, in which:  
2251 unique CDR3  
13 unique J



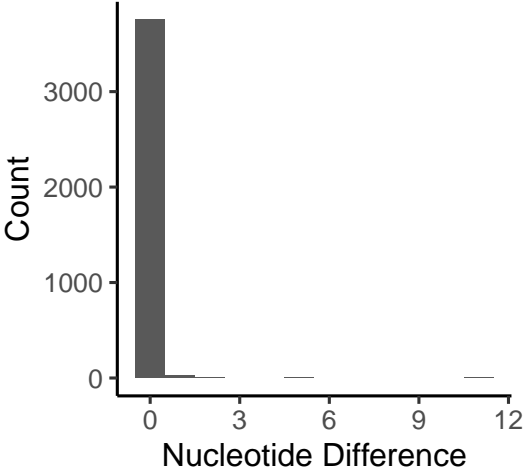
TRBV10-1\*ap01

2256 sequences assigned  
2238 (99.2%) exact matches, in which:  
2218 unique CDR3  
13 unique J



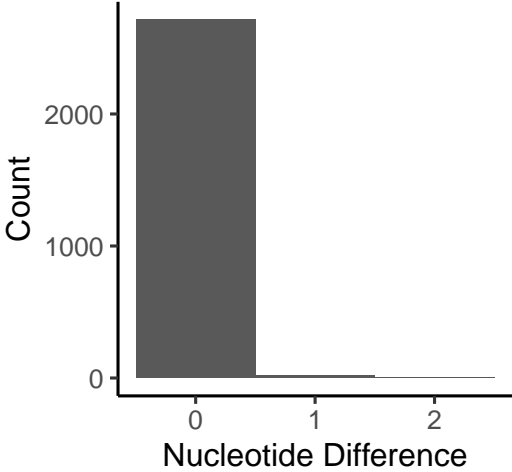
TRBV10-3\*ap01

3779 sequences assigned  
3753 (99.3%) exact matches, in which:  
3730 unique CDR3  
13 unique J



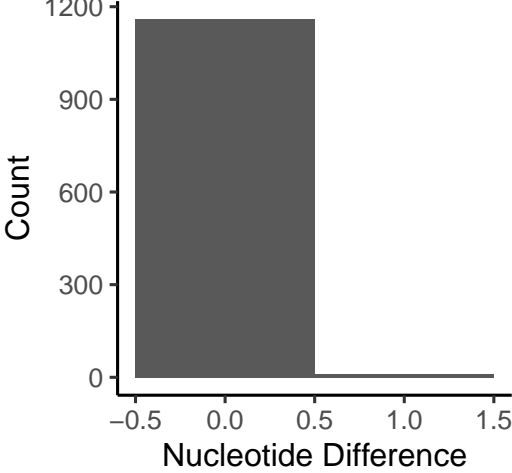
TRBV14\*ap01

2731 sequences assigned  
2714 (99.4%) exact matches, in which:  
2703 unique CDR3  
13 unique J



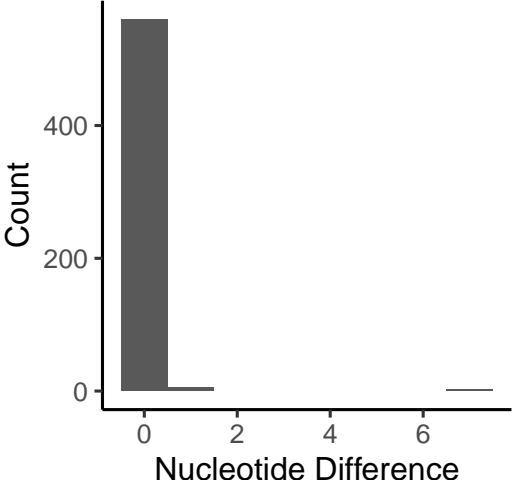
TRBV20-1\*ap02

1170 sequences assigned  
1160 (99.1%) exact matches, in which:  
1153 unique CDR3  
13 unique J



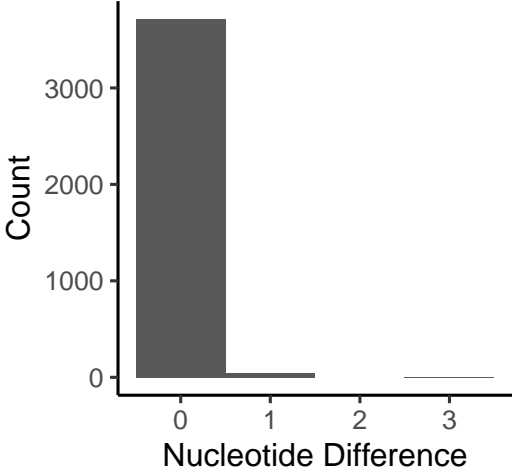
TRBV1\*ap01

567 sequences assigned  
560 (98.8%) exact matches, in which:  
547 unique CDR3  
13 unique J



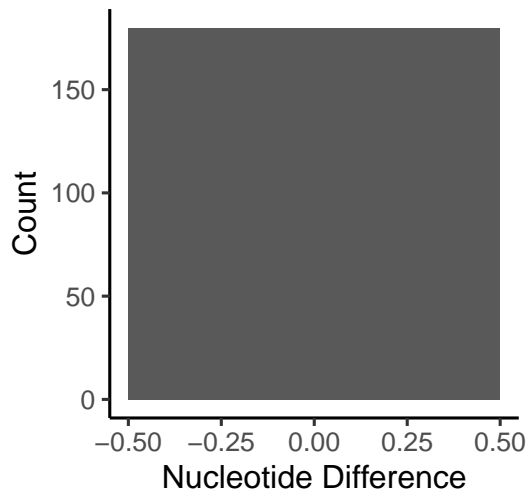
TRBV15\*ap02

3759 sequences assigned  
3714 (98.8%) exact matches, in which:  
3682 unique CDR3  
13 unique J



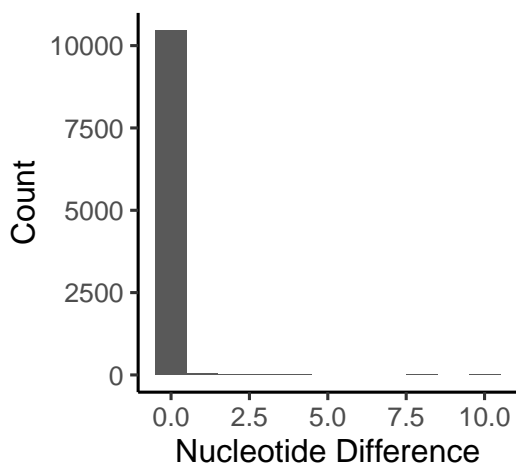
### TRBV16\*ap01

180 sequences assigned  
180 (100%) exact matches, in which:  
180 unique CDR3  
11 unique J



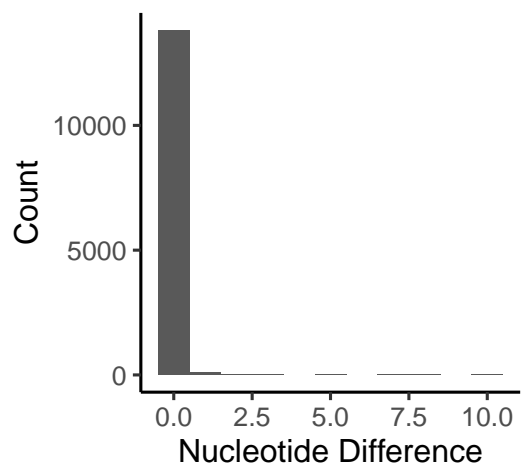
### TRBV19\*ap01

10538 sequences assigned  
10470 (99.4%) exact matches, in which:  
10422 unique CDR3  
13 unique J



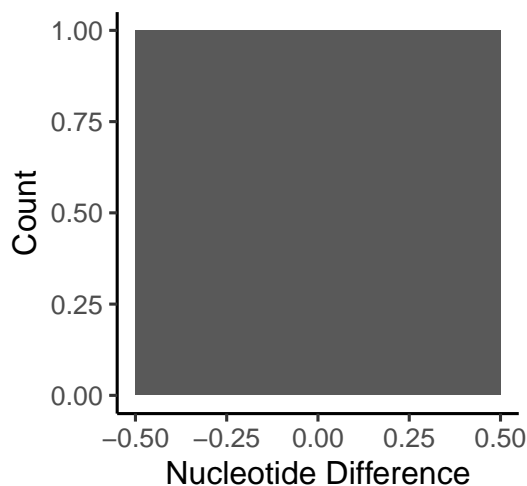
### TRBV27\*ap01

13938 sequences assigned  
13817 (99.1%) exact matches, in which:  
13744 unique CDR3  
13 unique J



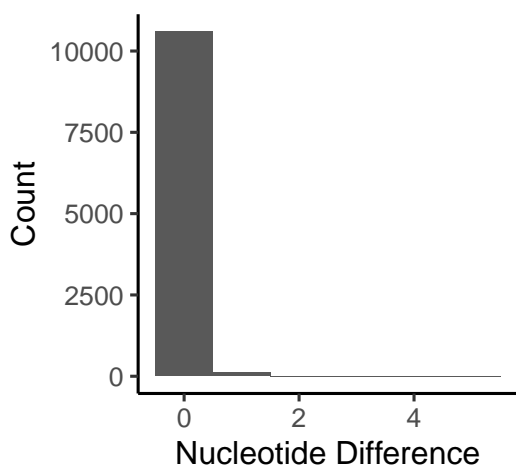
### TRBV17\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



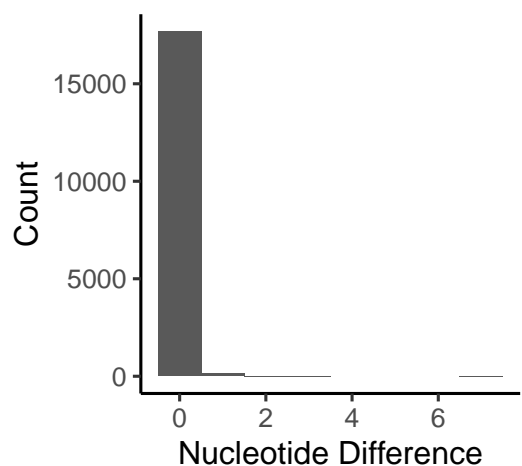
### TRBV2\*ap01

10721 sequences assigned  
10601 (98.9%) exact matches, in which:  
10526 unique CDR3  
13 unique J



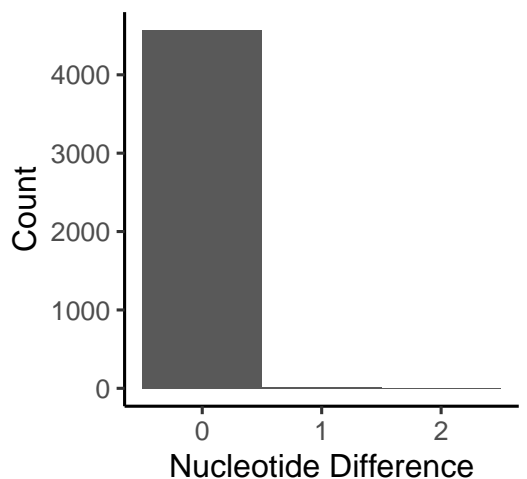
### TRBV28\*ap01

17821 sequences assigned  
17682 (99.2%) exact matches, in which:  
17586 unique CDR3  
13 unique J



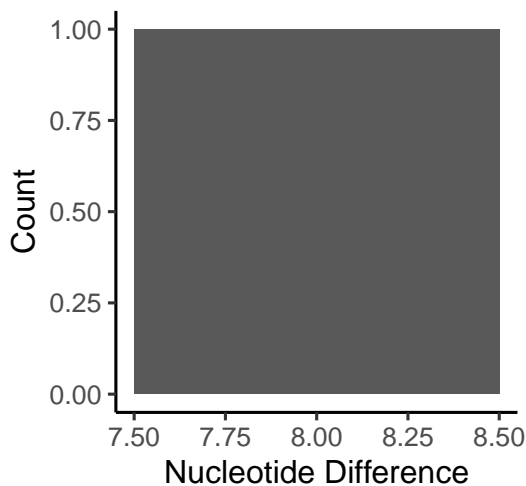
### TRBV18\*ap01

4592 sequences assigned  
4571 (99.5%) exact matches, in which:  
4557 unique CDR3  
13 unique J



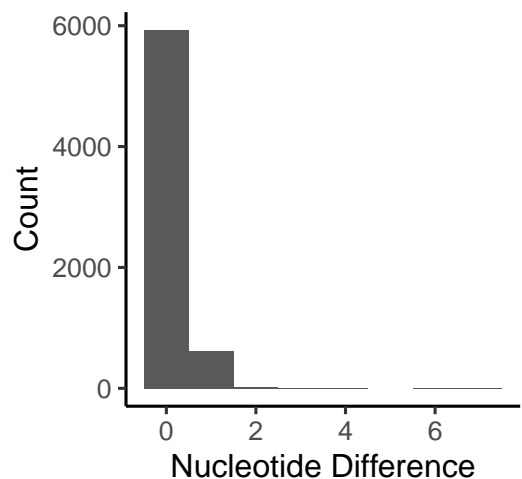
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



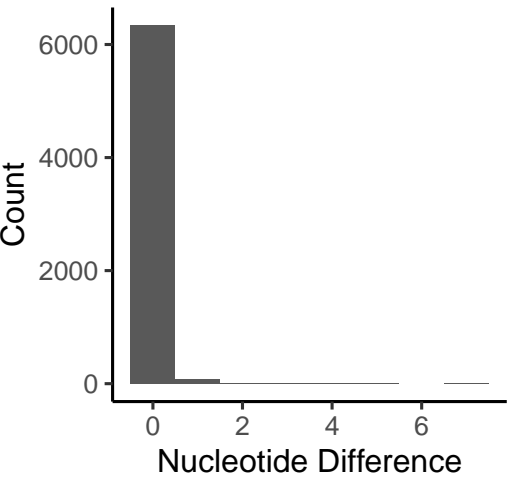
### TRBV30\*ap01

6581 sequences assigned  
5928 (90.1%) exact matches, in which:  
5748 unique CDR3  
13 unique J



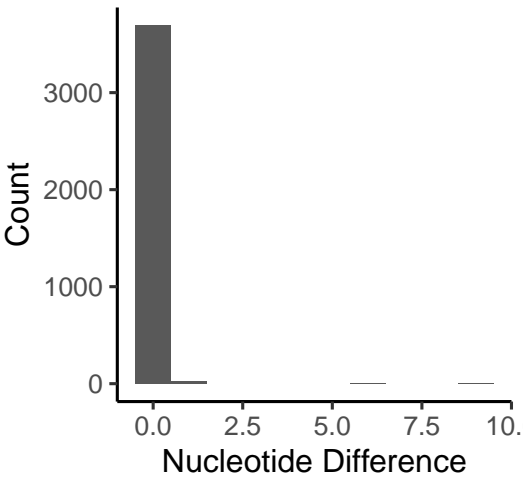
TRBV9\*ap01

6428 sequences assigned  
6338 (98.6%) exact matches, in which:  
6306 unique CDR3  
13 unique J



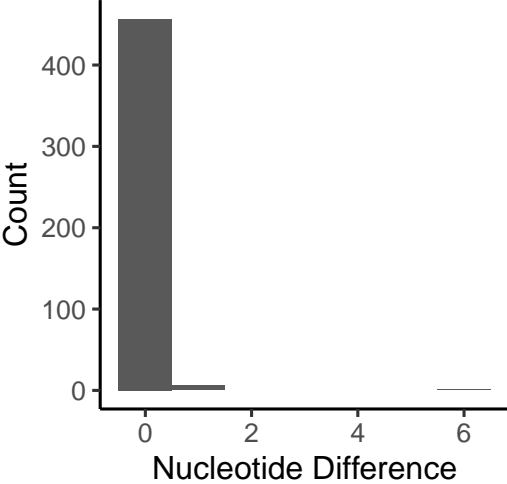
TRBV11-2\*ap01

3716 sequences assigned  
3693 (99.4%) exact matches, in which:  
3679 unique CDR3  
13 unique J



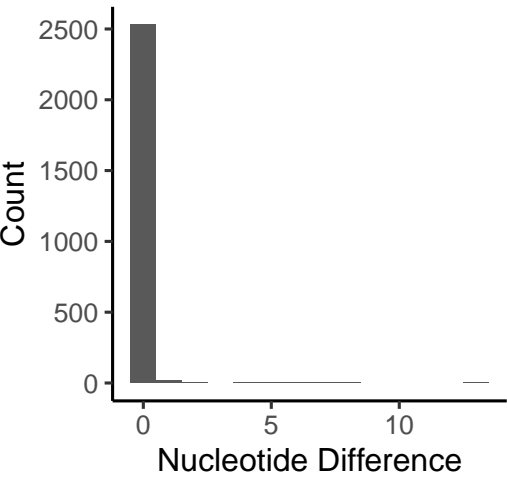
TRBV12-2\*ap01

464 sequences assigned  
457 (98.5%) exact matches, in which:  
455 unique CDR3  
13 unique J



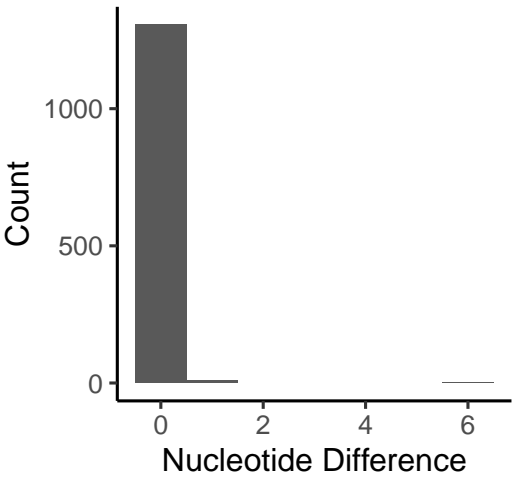
TRBV21-1\*ap01

2563 sequences assigned  
2530 (98.7%) exact matches, in which:  
2527 unique CDR3  
13 unique J



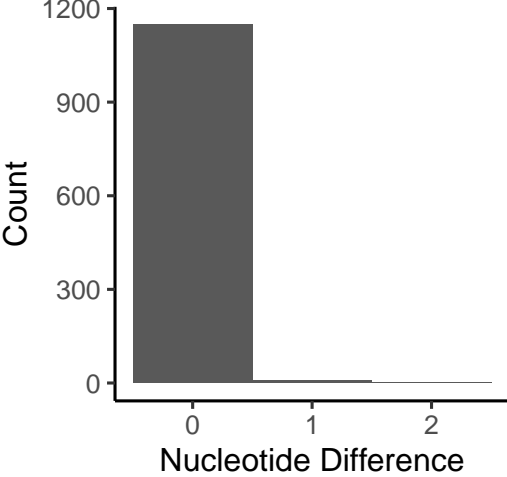
TRBV11-3\*ap01

1316 sequences assigned  
1306 (99.2%) exact matches, in which:  
1302 unique CDR3  
12 unique J



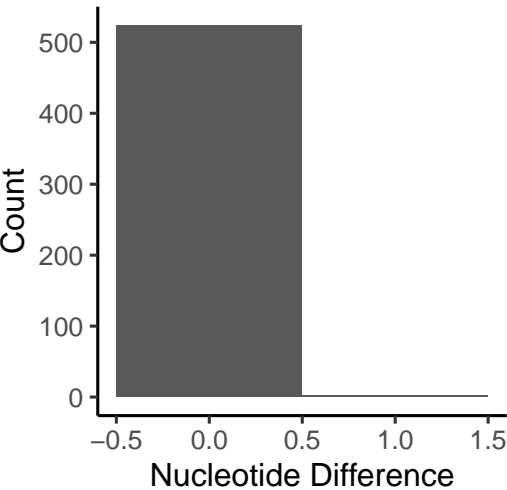
TRBV12-5\*ap01

1156 sequences assigned  
1148 (99.3%) exact matches, in which:  
1140 unique CDR3  
13 unique J



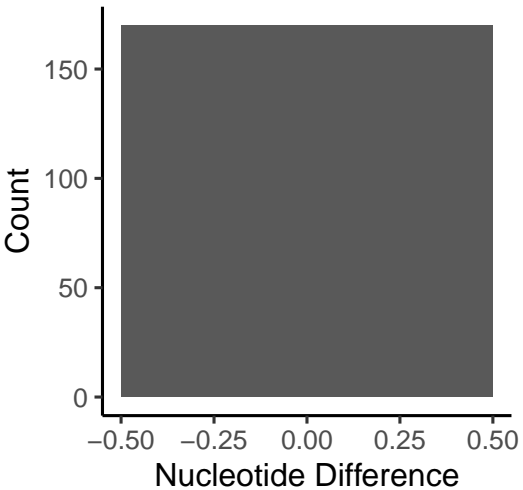
TRBV11-1\*ap01

526 sequences assigned  
524 (99.6%) exact matches, in which:  
523 unique CDR3  
12 unique J



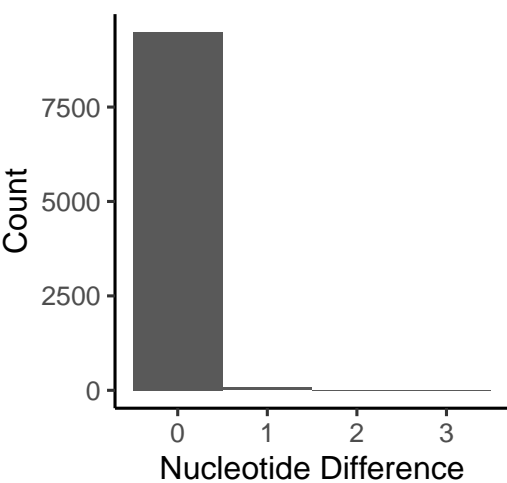
TRBV12-1\*ap01

170 sequences assigned  
170 (100%) exact matches, in which:  
168 unique CDR3  
12 unique J



TRBV12-34\*ap01

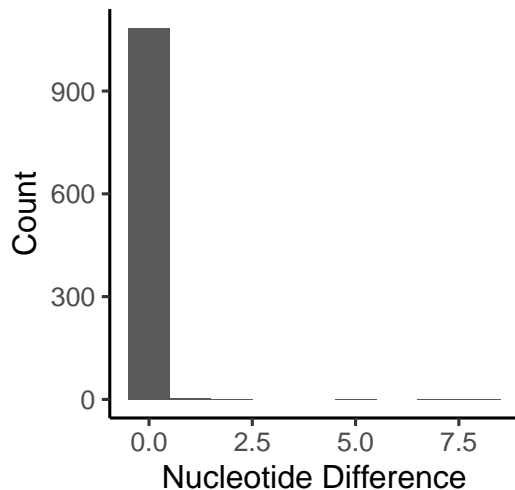
9567 sequences assigned  
9486 (99.2%) exact matches, in which:  
9413 unique CDR3  
13 unique J





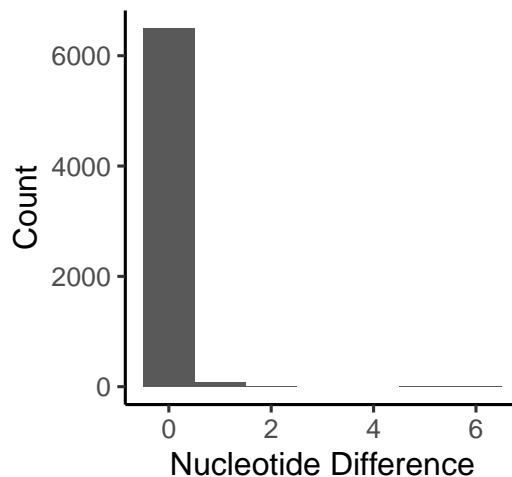
### TRBV23–1\*ap01

1092 sequences assigned  
1085 (99.4%) exact matches, in which:  
1083 unique CDR3  
13 unique J



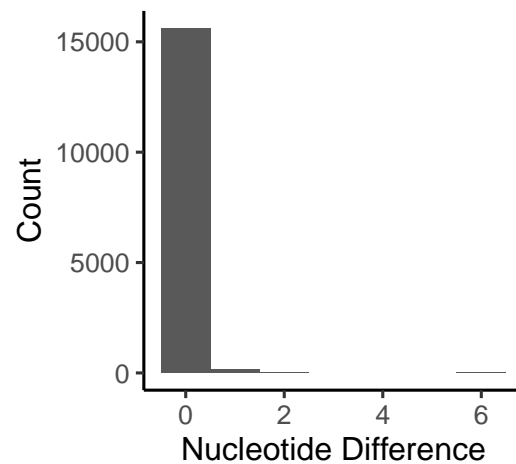
### TRBV24–1\*ap01

6577 sequences assigned  
6495 (98.8%) exact matches, in which:  
6422 unique CDR3  
13 unique J



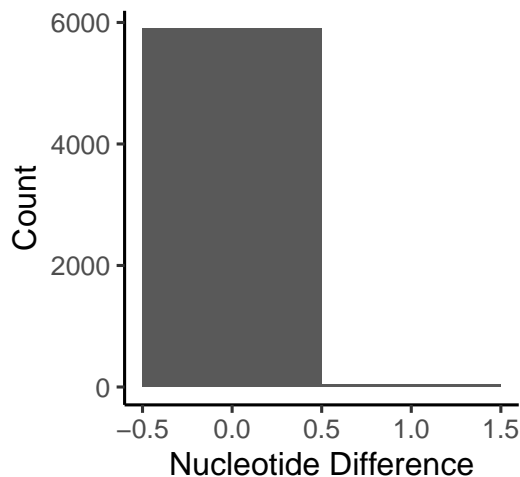
### TRBV5–1\*ap01

15782 sequences assigned  
15619 (99%) exact matches, in which:  
15485 unique CDR3  
13 unique J



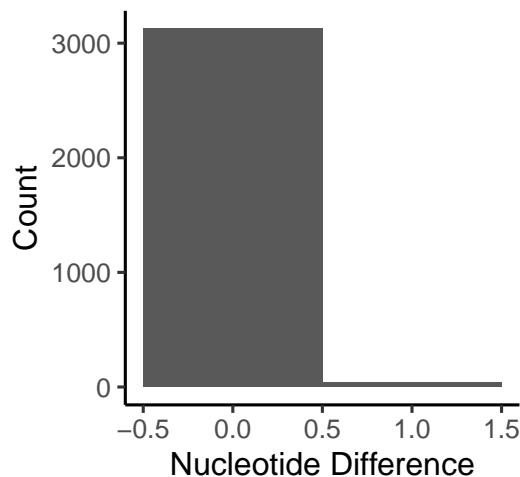
### TRBV3–12\*ap01

5933 sequences assigned  
5897 (99.4%) exact matches, in which:  
5874 unique CDR3  
13 unique J



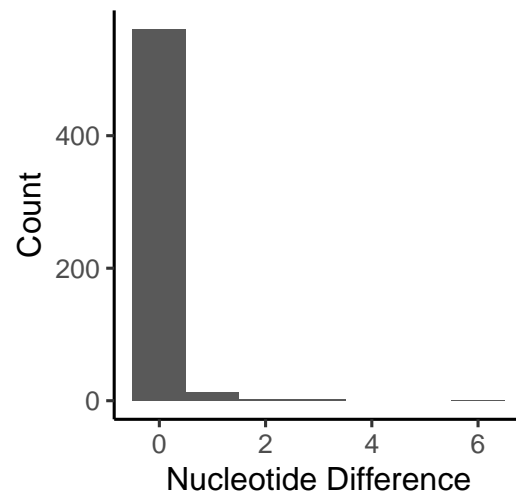
### TRBV4–2\*ap01

3165 sequences assigned  
3126 (98.8%) exact matches, in which:  
3094 unique CDR3  
13 unique J



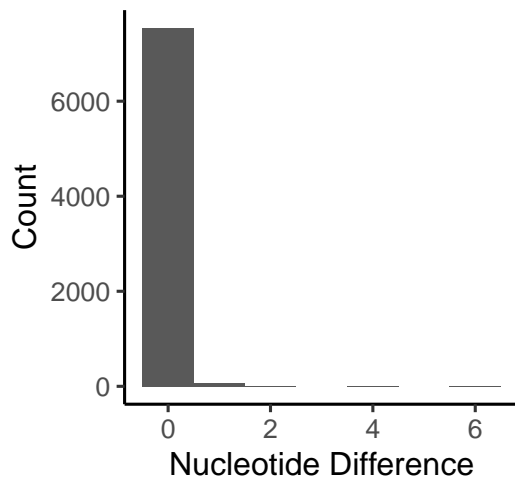
### TRBV5–3\*ap01

579 sequences assigned  
561 (96.9%) exact matches, in which:  
559 unique CDR3  
13 unique J



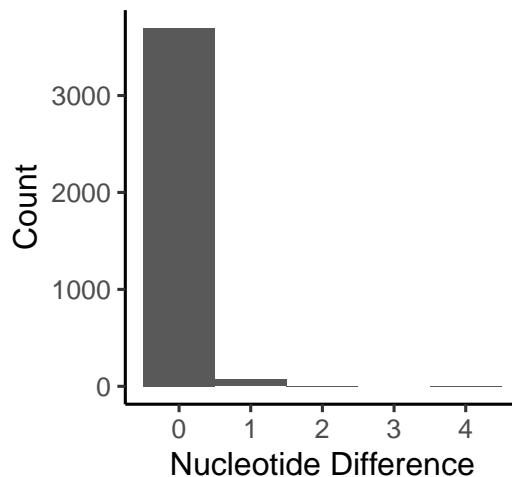
### TRBV4–1\*ap01

7625 sequences assigned  
7539 (98.9%) exact matches, in which:  
7475 unique CDR3  
13 unique J



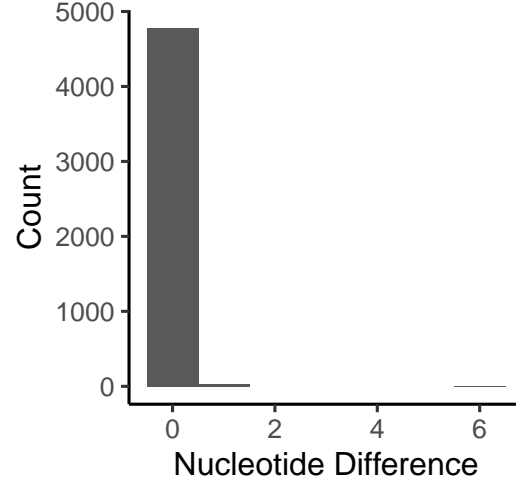
### TRBV25–1\*ap01

3771 sequences assigned  
3696 (98%) exact matches, in which:  
3622 unique CDR3  
13 unique J



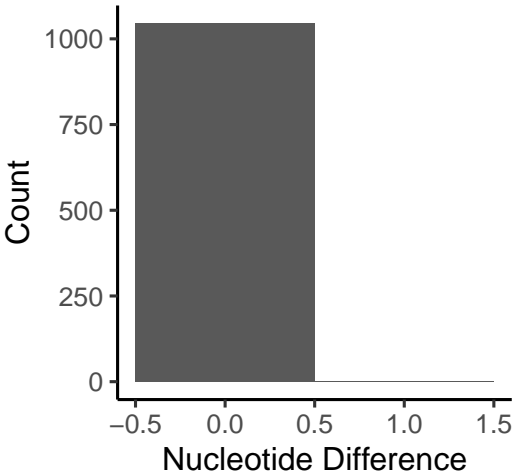
### TRBV5–4\*ap01

4810 sequences assigned  
4779 (99.4%) exact matches, in which:  
4729 unique CDR3  
13 unique J



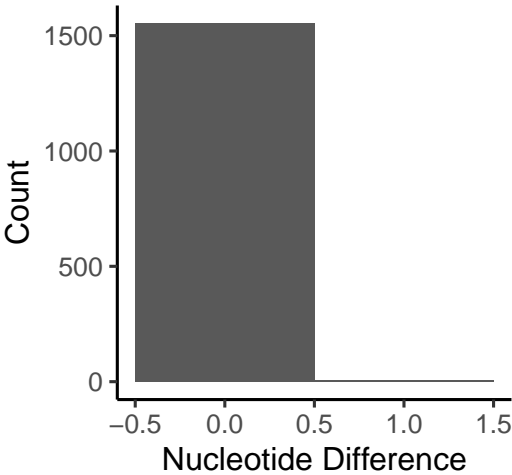
TRBV5-5\*ap01

1047 sequences assigned  
1045 (99.8%) exact matches, in which:  
1044 unique CDR3  
13 unique J



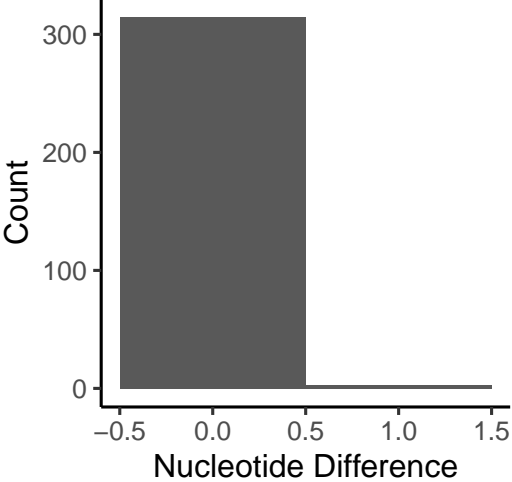
TRBV5-8\*ap01

1560 sequences assigned  
1553 (99.6%) exact matches, in which:  
1546 unique CDR3  
13 unique J



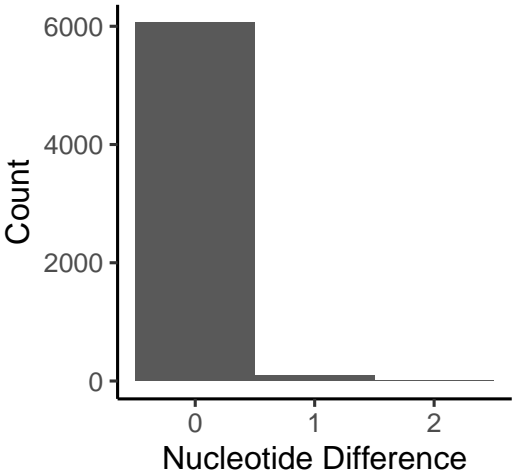
TRBV6-7\*ap01

318 sequences assigned  
315 (99.1%) exact matches, in which:  
314 unique CDR3  
12 unique J



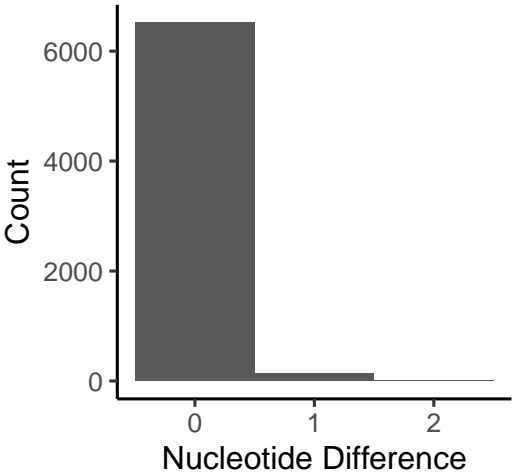
TRBV5-6\*ap01

6149 sequences assigned  
6060 (98.6%) exact matches, in which:  
5980 unique CDR3  
13 unique J



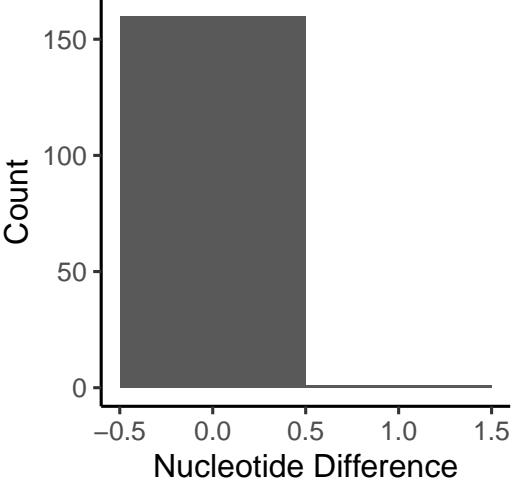
TRBV6-1\*ap01

6646 sequences assigned  
6516 (98%) exact matches, in which:  
6441 unique CDR3  
13 unique J



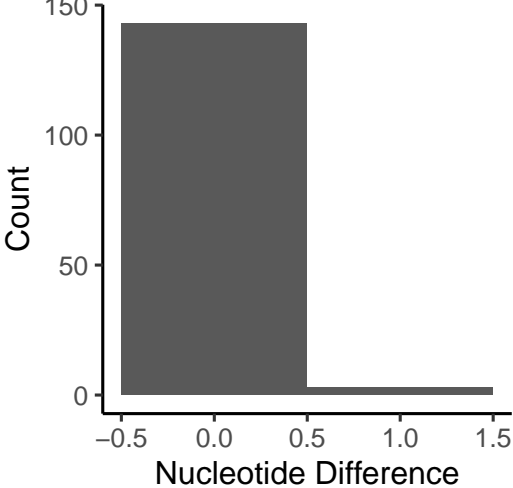
TRBV6-8\*ap01

161 sequences assigned  
160 (99.4%) exact matches, in which:  
158 unique CDR3  
13 unique J



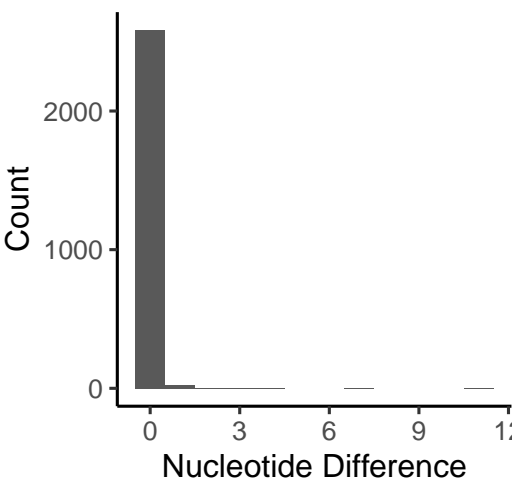
TRBV5-7\*ap01

146 sequences assigned  
143 (97.9%) exact matches, in which:  
138 unique CDR3  
13 unique J



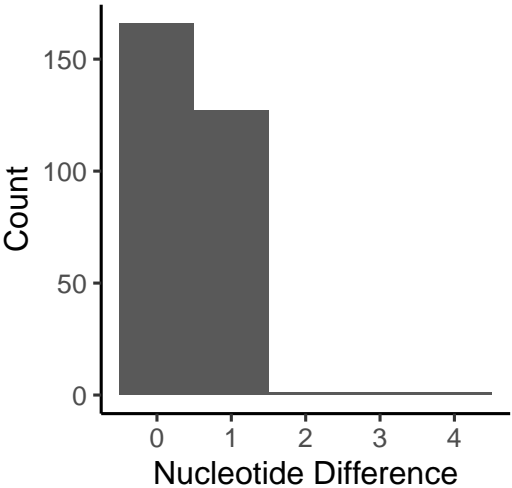
TRBV6-4\*ap01

2616 sequences assigned  
2584 (98.8%) exact matches, in which:  
2569 unique CDR3  
13 unique J



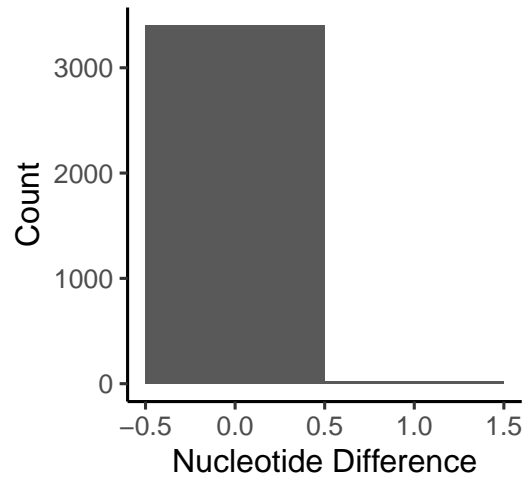
TRBV6-9\*ap01

296 sequences assigned  
166 (56.1%) exact matches, in which:  
165 unique CDR3  
11 unique J



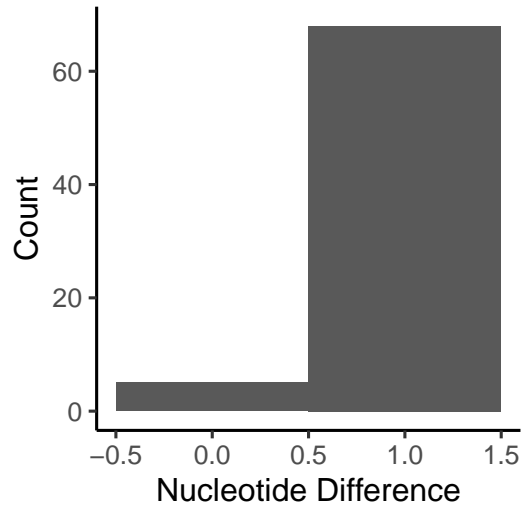
### TRBV6-23\*ap01

3429 sequences assigned  
3402 (99.2%) exact matches, in which:  
3352 unique CDR3  
13 unique J



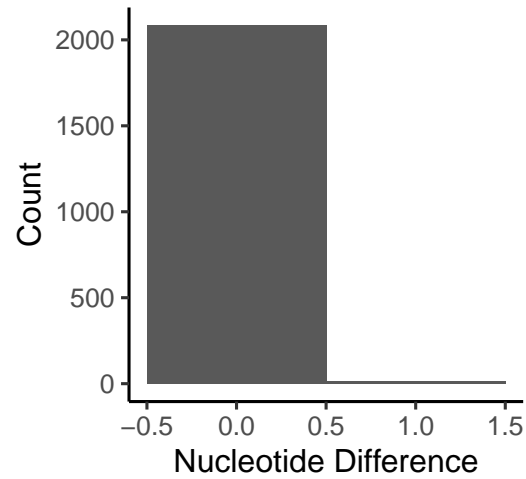
### TRBV7-1\*ap01\_T296C

73 sequences assigned  
5 (6.8%) exact matches, in which:  
5 unique CDR3  
5 unique J



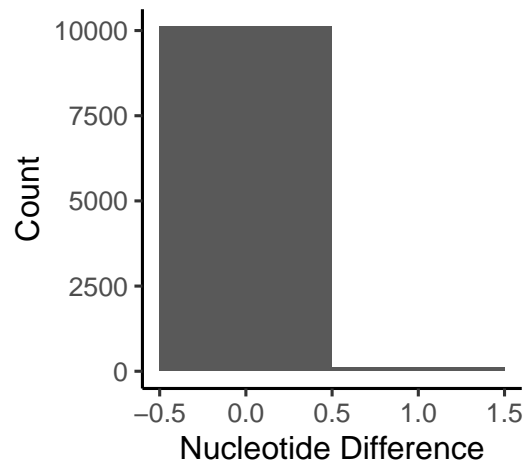
### TRBV7-3\*ap01

2100 sequences assigned  
2084 (99.2%) exact matches, in which:  
2078 unique CDR3  
13 unique J



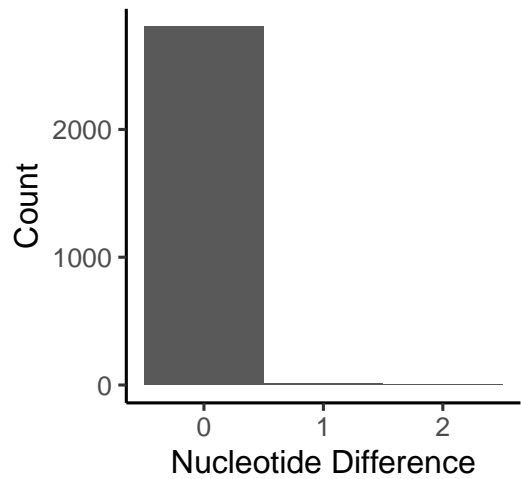
### TRBV6-56\*ap01

10237 sequences assigned  
10120 (98.9%) exact matches, in which:  
9958 unique CDR3  
13 unique J



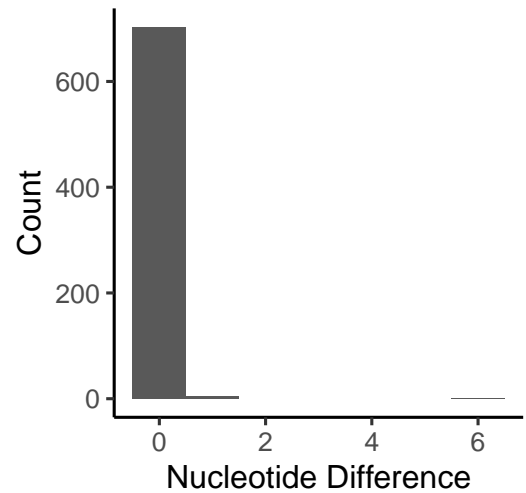
### TRBV7-2\*ap01

2819 sequences assigned  
2804 (99.5%) exact matches, in which:  
2787 unique CDR3  
13 unique J



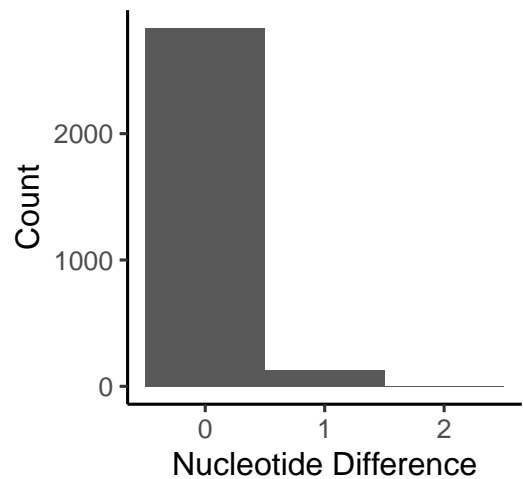
### TRBV7-3\*ap03

708 sequences assigned  
703 (99.3%) exact matches, in which:  
701 unique CDR3  
13 unique J



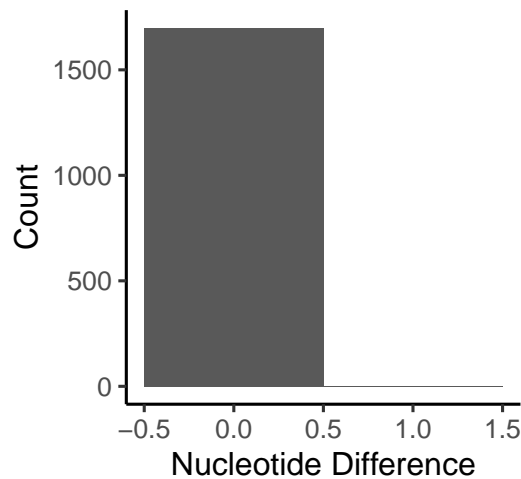
### TRBV6-56\*ap02

2968 sequences assigned  
2836 (95.6%) exact matches, in which:  
2797 unique CDR3  
13 unique J



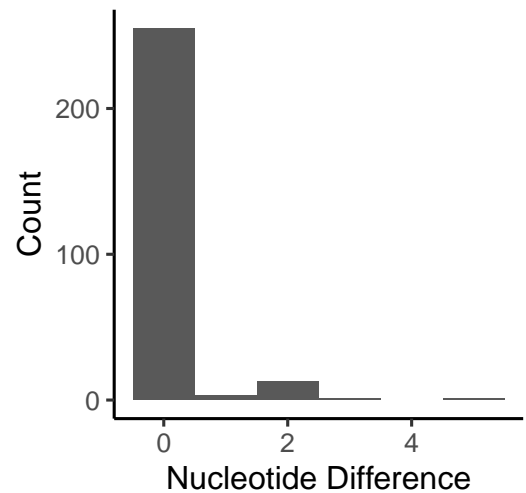
### TRBV7-2\*ap01\_G297A

1700 sequences assigned  
1698 (99.9%) exact matches, in which:  
1695 unique CDR3  
13 unique J



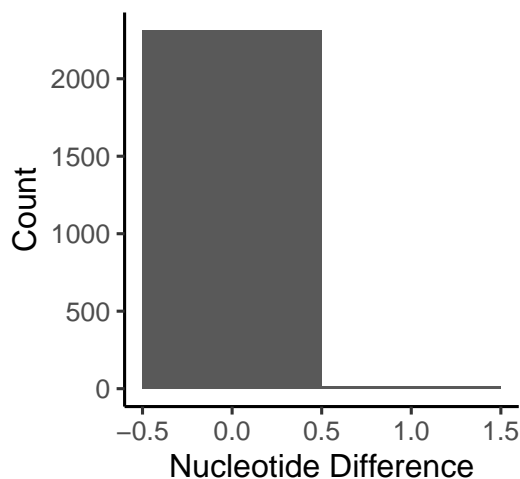
### TRBV7-4\*ap01

273 sequences assigned  
255 (93.4%) exact matches, in which:  
255 unique CDR3  
13 unique J



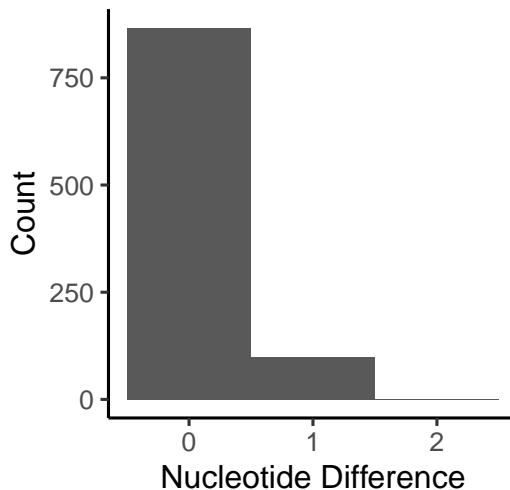
### TRBV7-6\*ap01

2325 sequences assigned  
2312 (99.4%) exact matches, in which:  
2295 unique CDR3  
13 unique J



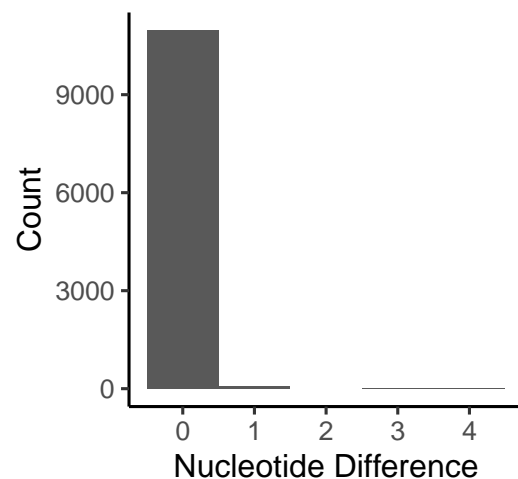
### TRBV7-8\*ap01

966 sequences assigned  
867 (89.8%) exact matches, in which:  
863 unique CDR3  
13 unique J



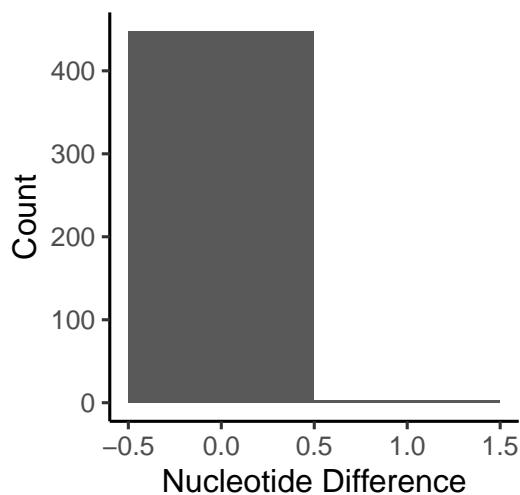
### TRBV7-9\*ap01

11044 sequences assigned  
10967 (99.3%) exact matches, in which:  
10904 unique CDR3  
13 unique J



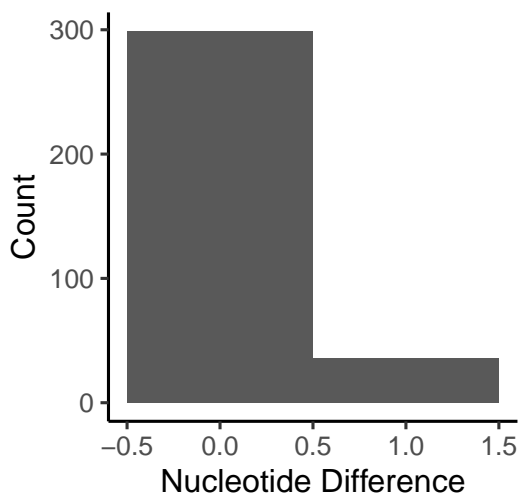
### TRBV7-7\*ap01

451 sequences assigned  
448 (99.3%) exact matches, in which:  
446 unique CDR3  
13 unique J



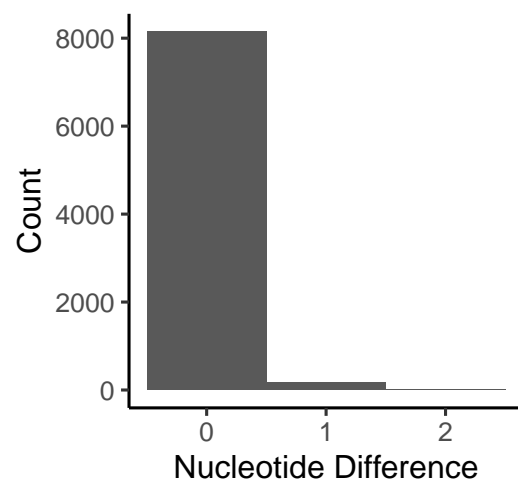
### TRBV7-8\*ap03

335 sequences assigned  
299 (89.3%) exact matches, in which:  
298 unique CDR3  
13 unique J



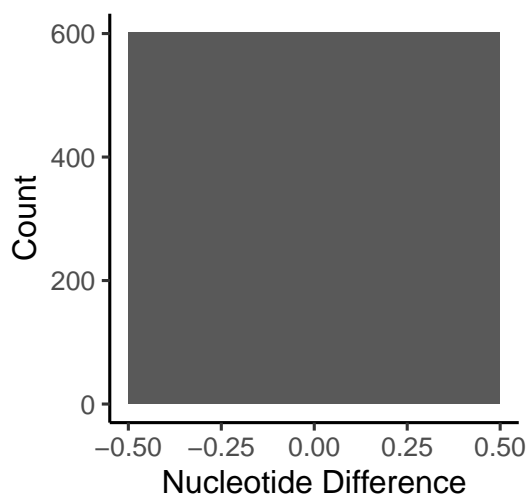
### TRBV29-1\*ap01

8320 sequences assigned  
8147 (97.9%) exact matches, in which:  
7962 unique CDR3  
13 unique J



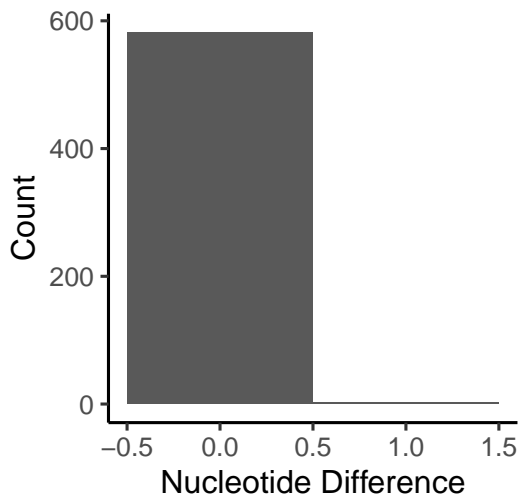
### TRBV7-7\*ap01\_C315T

602 sequences assigned  
602 (100%) exact matches, in which:  
598 unique CDR3  
12 unique J



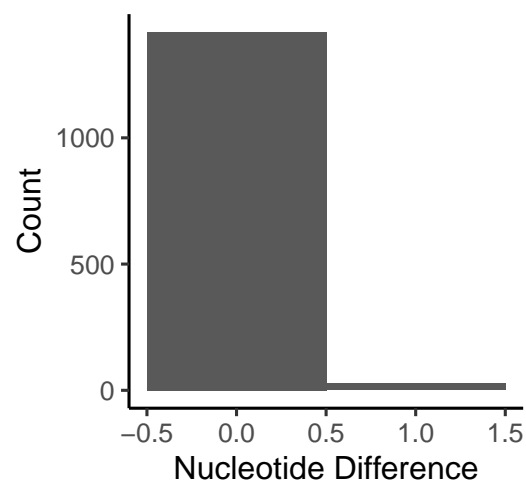
### TRBV7-8\*ap03\_C297A

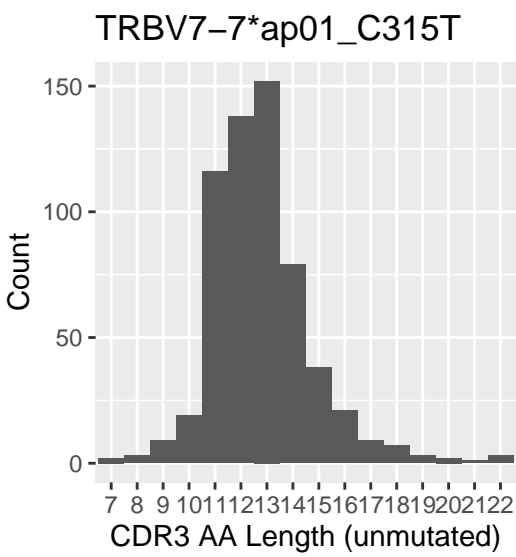
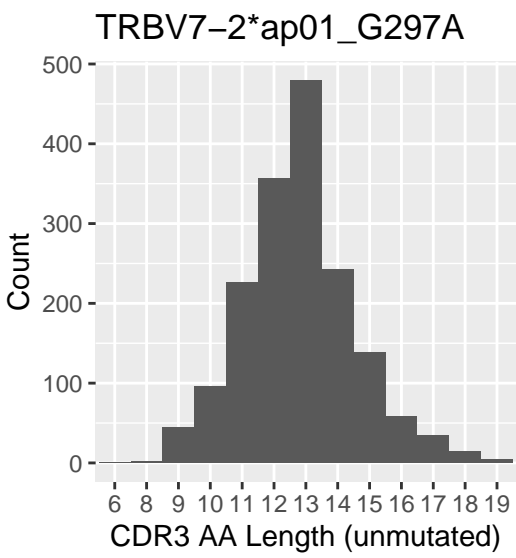
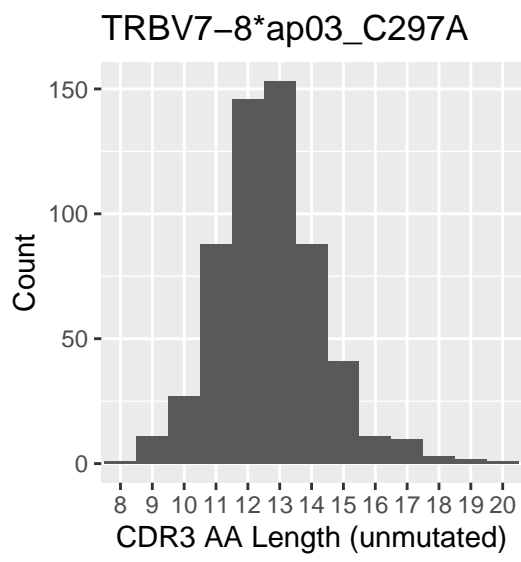
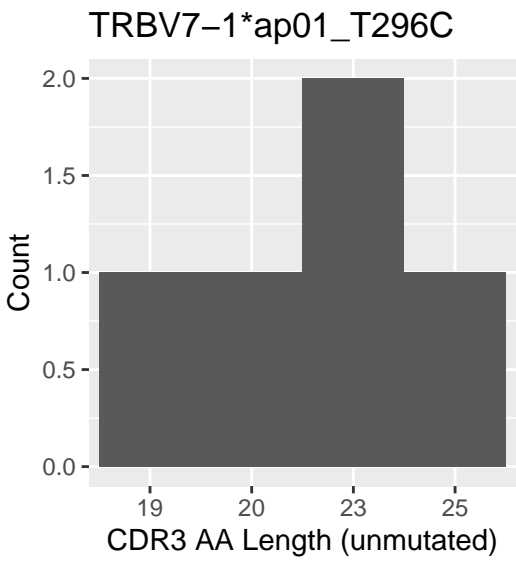
585 sequences assigned  
582 (99.5%) exact matches, in which:  
580 unique CDR3  
13 unique J

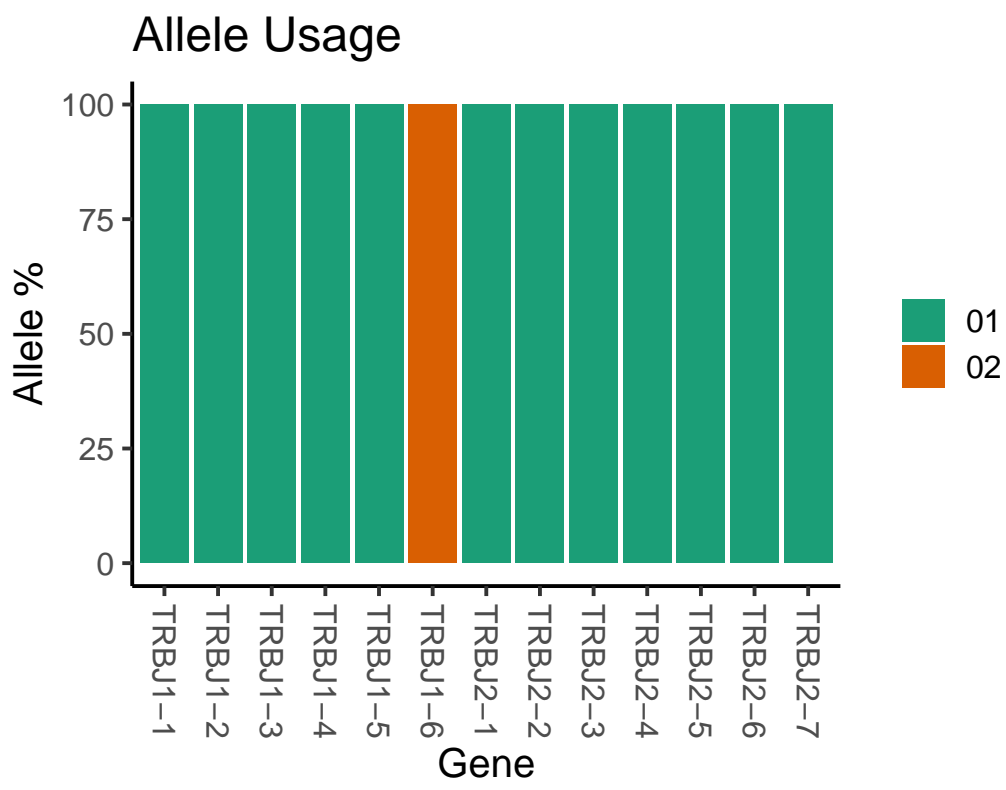


### TRBV29-1\*ap02

1446 sequences assigned  
1419 (98.1%) exact matches, in which:  
1384 unique CDR3  
13 unique J







Warning – no inferred sequences found.