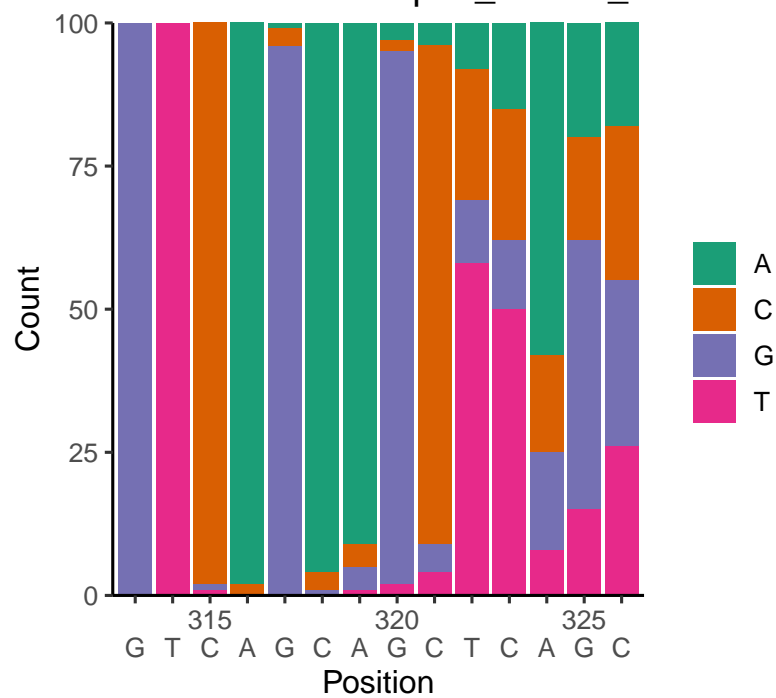
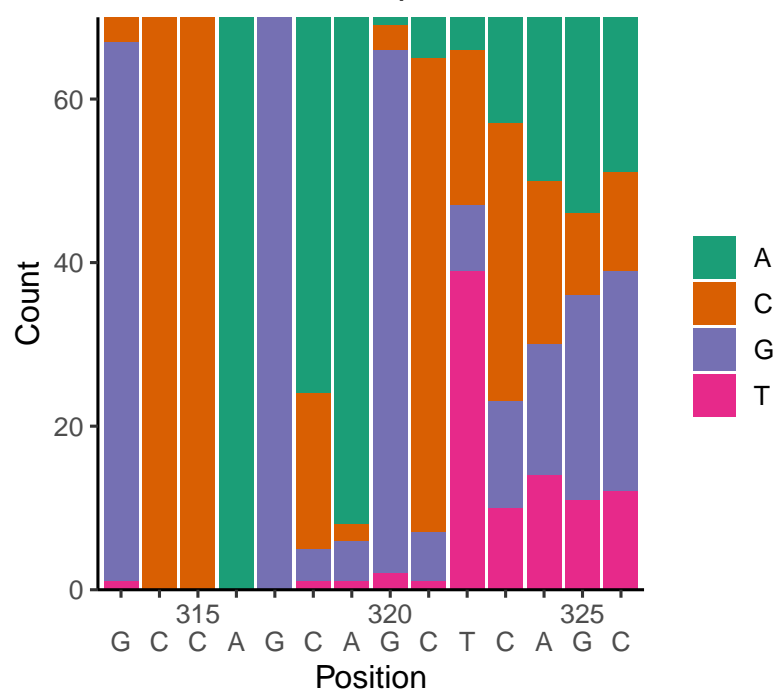


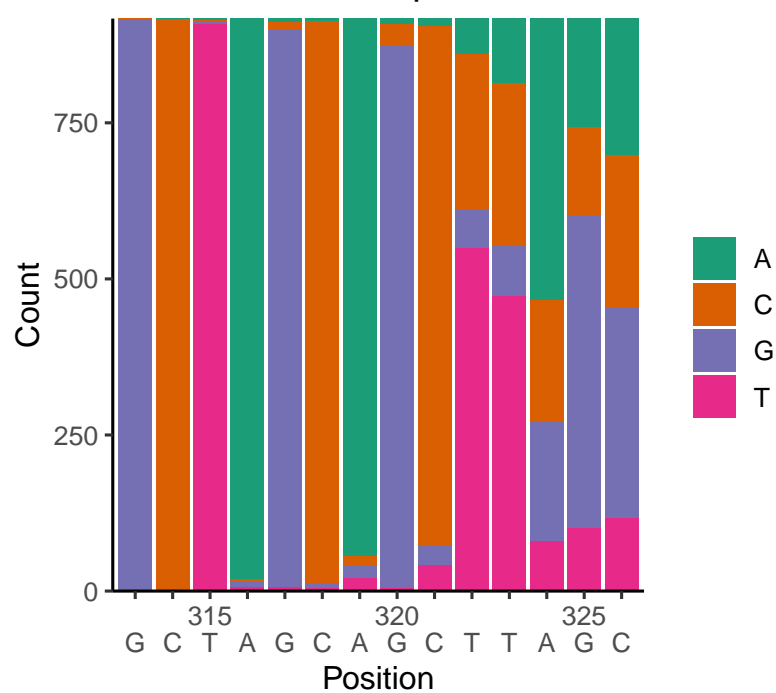
Gene TRBV7-1\*ap01\_T296C\_C314T



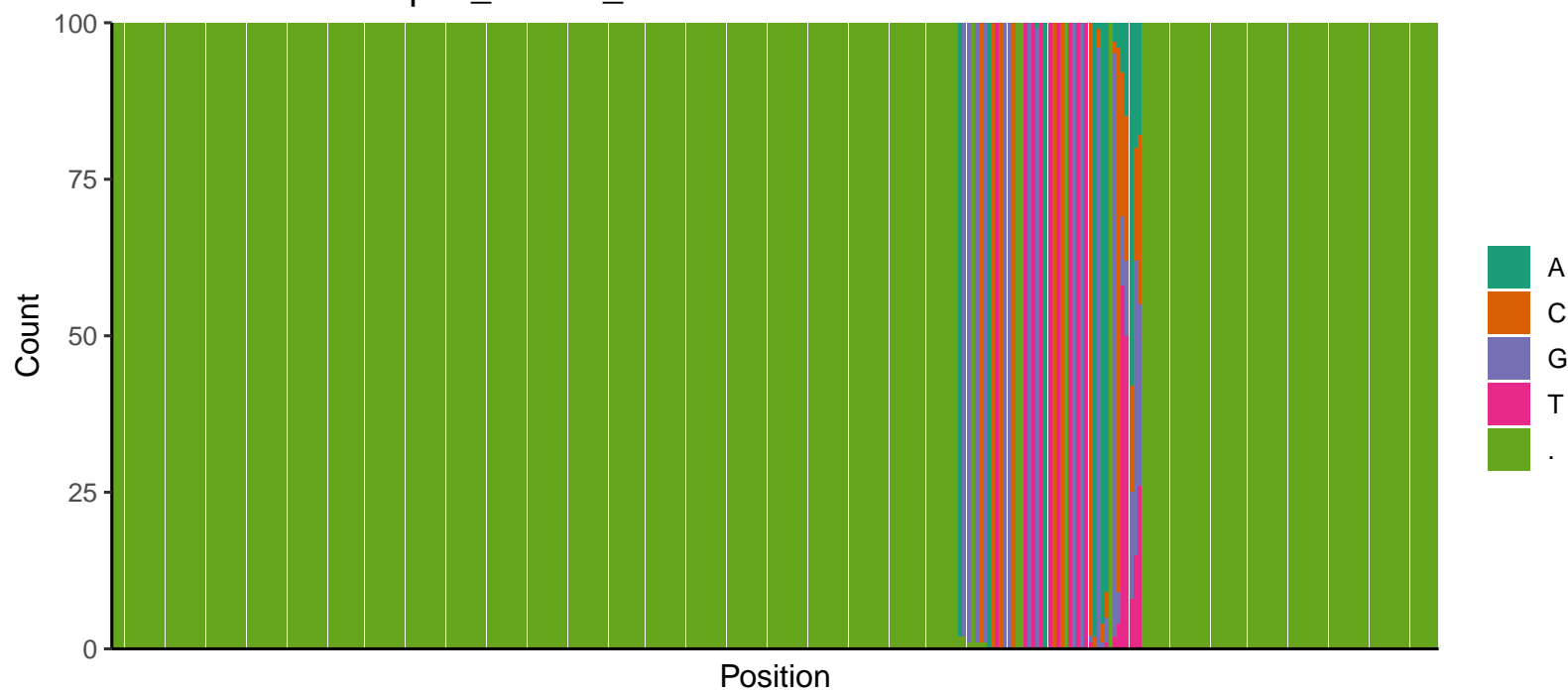
Gene TRBV7-1\*ap01\_T296C



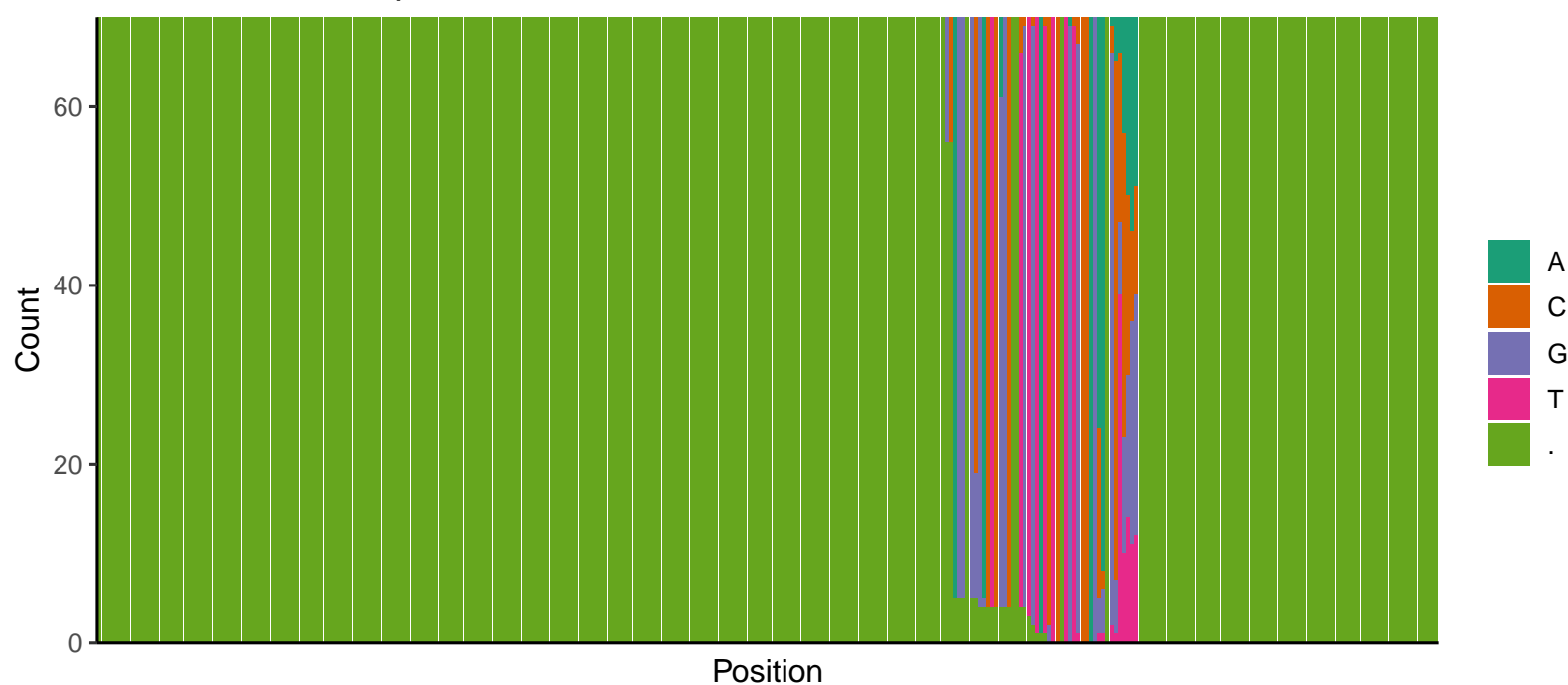
Gene TRBV7-7\*ap01\_C315T



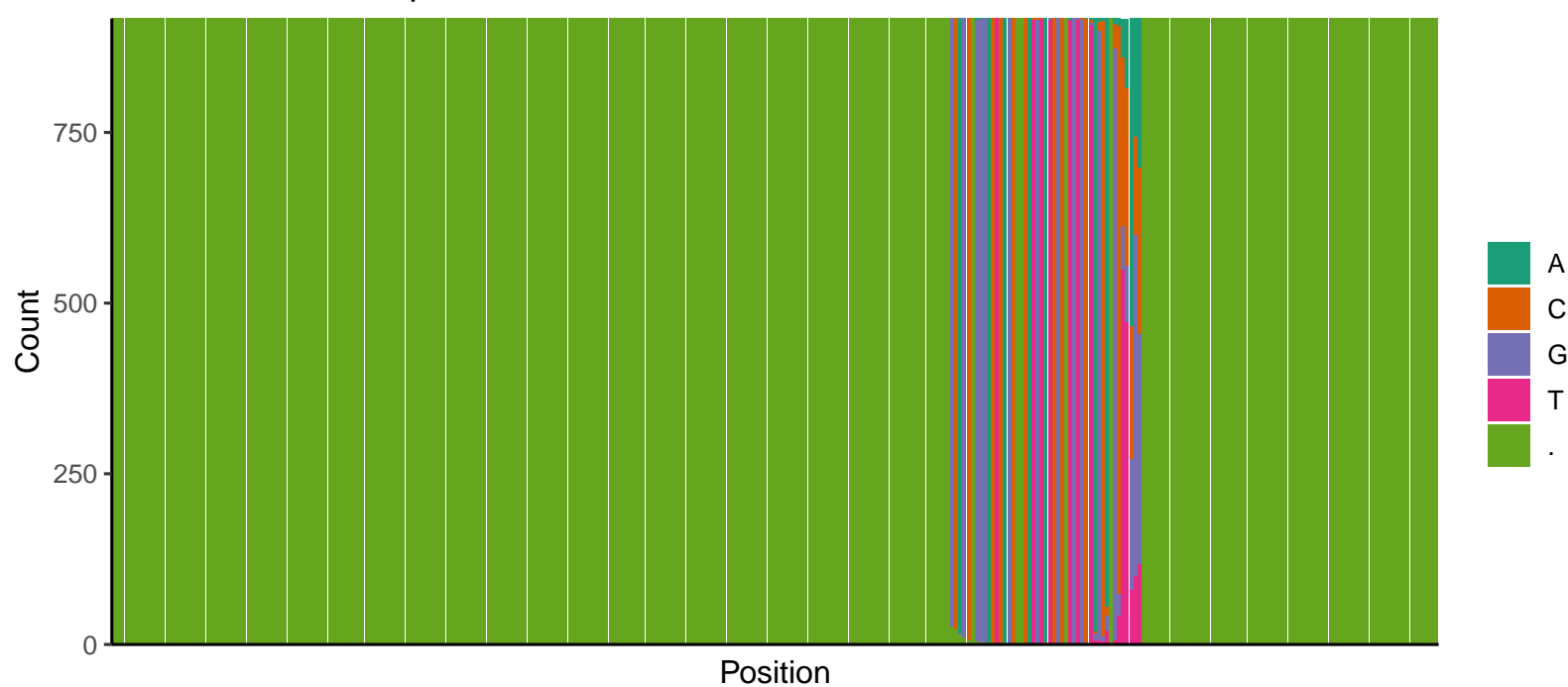
Gene TRBV7-1\*ap01\_T296C\_C314T



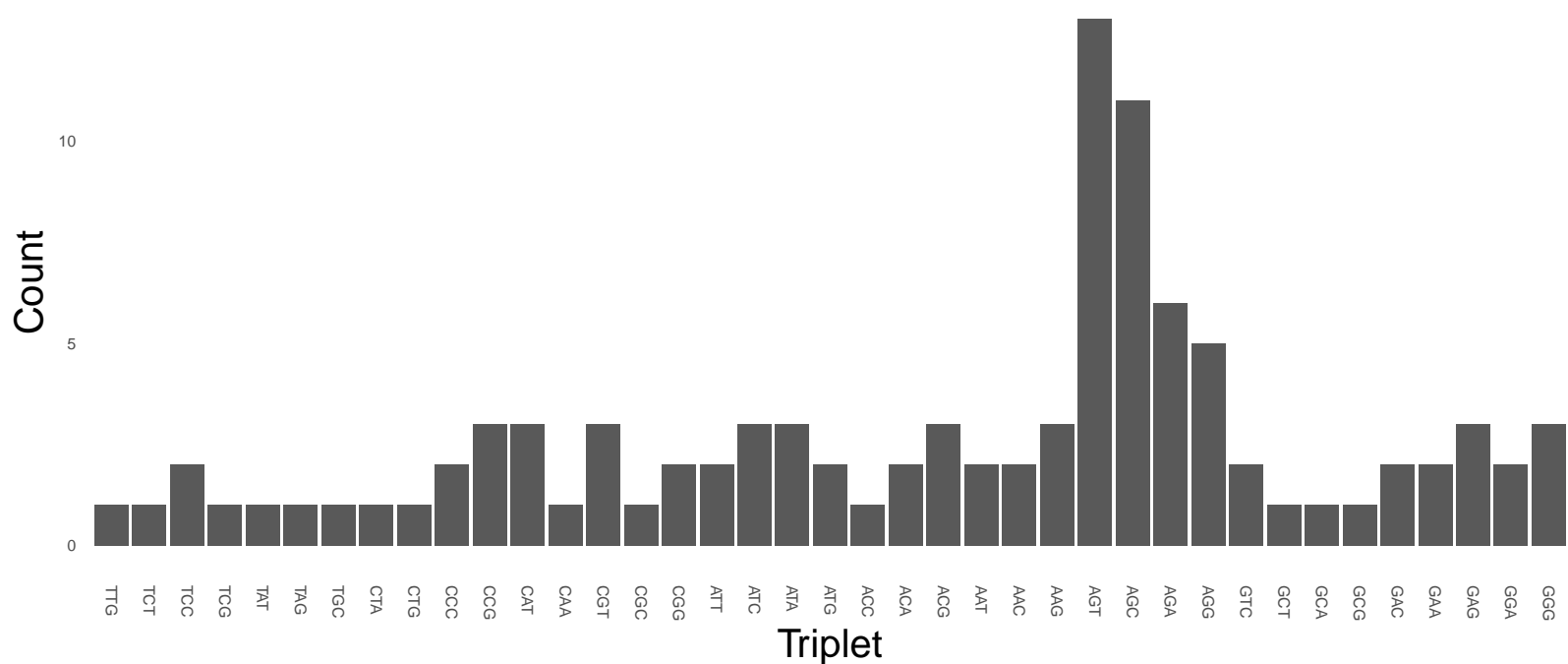
Gene TRBV7-1\*ap01\_T296C



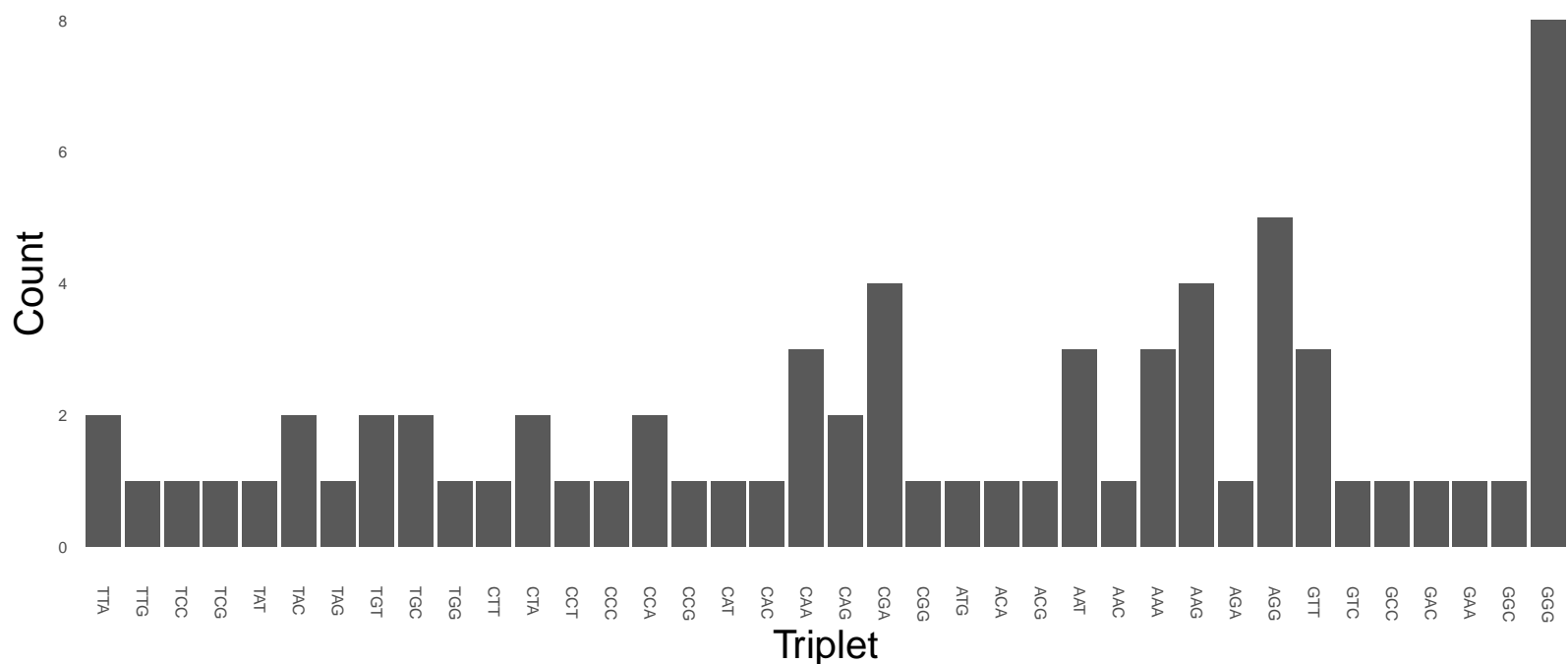
Gene TRBV7-7\*ap01\_C315T



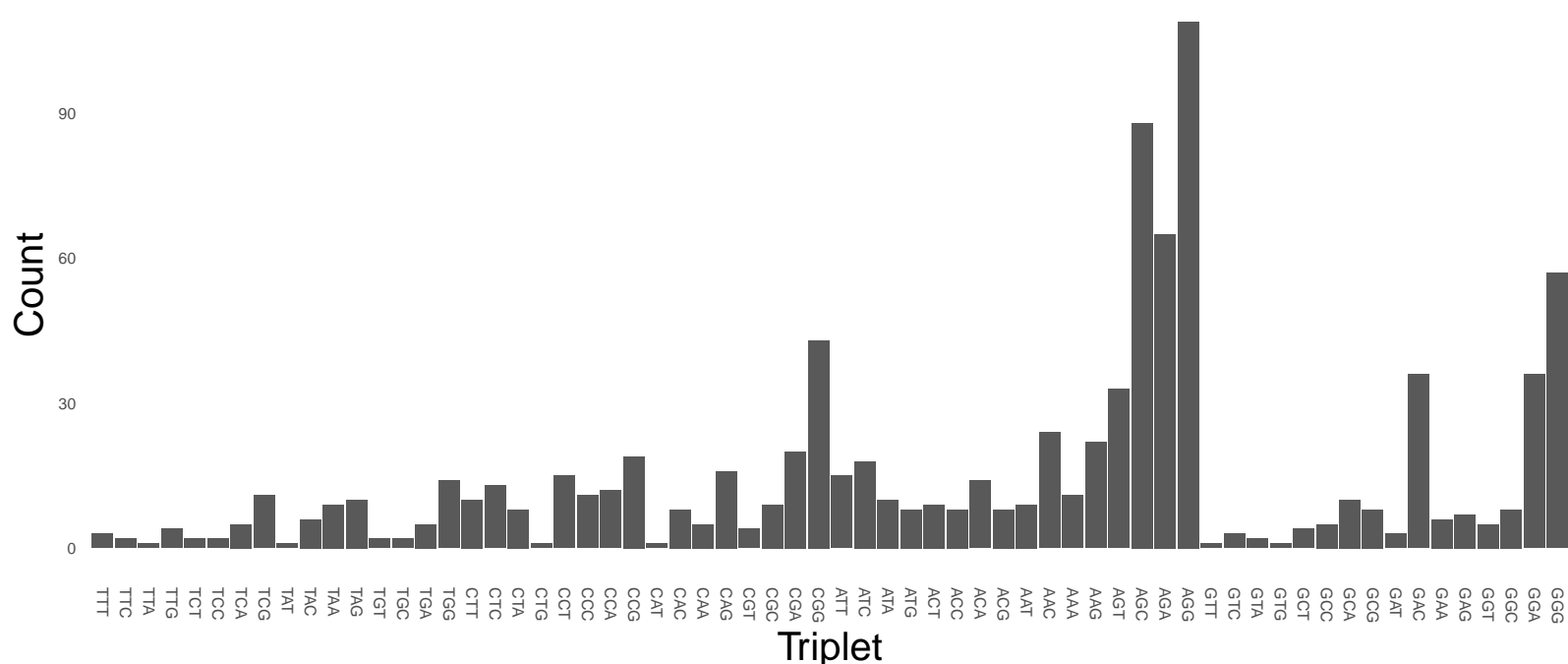
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



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

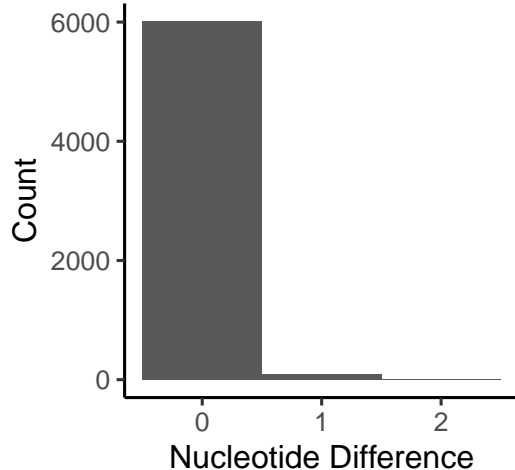


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



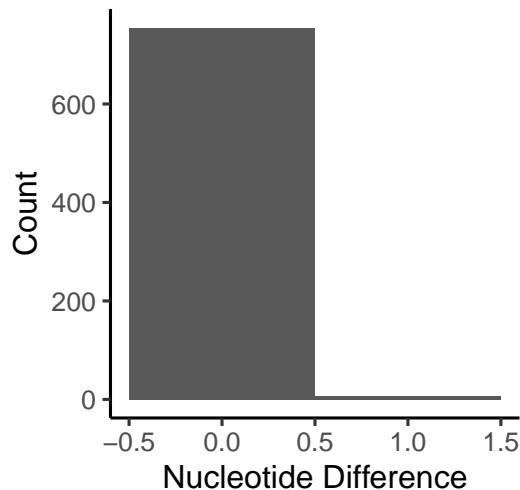
### TRBV20-1\*ap01

6115 sequences assigned  
6011 (98.3%) exact matches, in which:  
5858 unique CDR3  
13 unique J



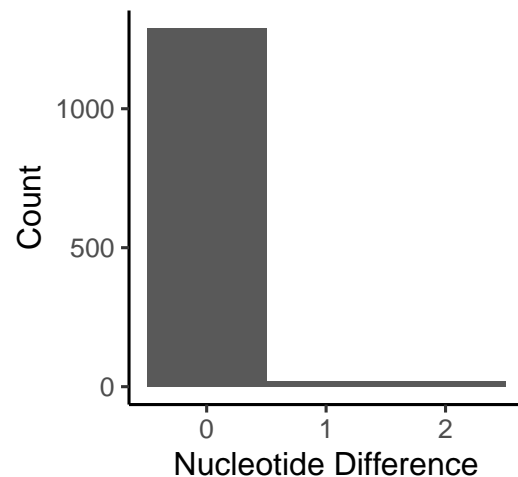
### TRBV10-2\*ap01

762 sequences assigned  
755 (99.1%) exact matches, in which:  
729 unique CDR3  
13 unique J



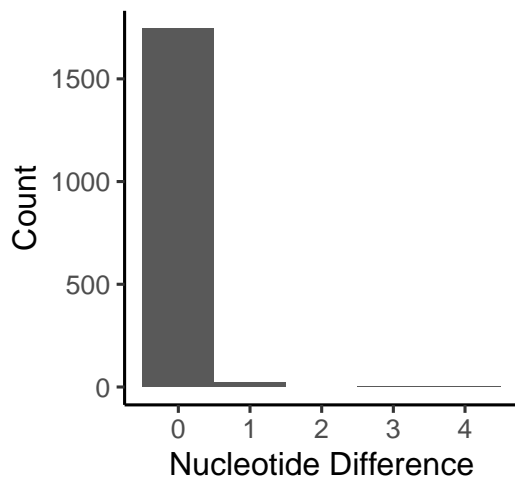
### TRBV13\*ap01

1328 sequences assigned  
1289 (97.1%) exact matches, in which:  
1256 unique CDR3  
13 unique J



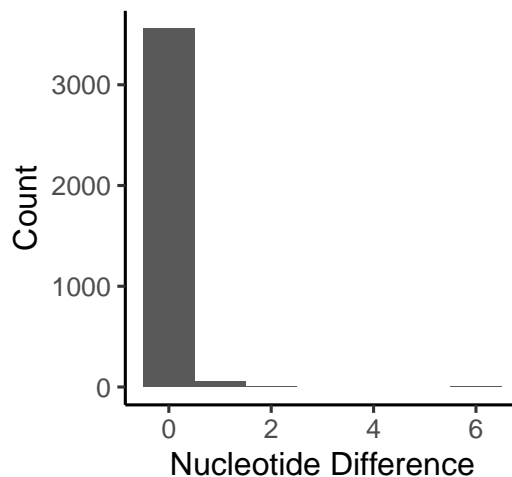
### TRBV10-1\*ap01

1769 sequences assigned  
1744 (98.6%) exact matches, in which:  
1693 unique CDR3  
13 unique J



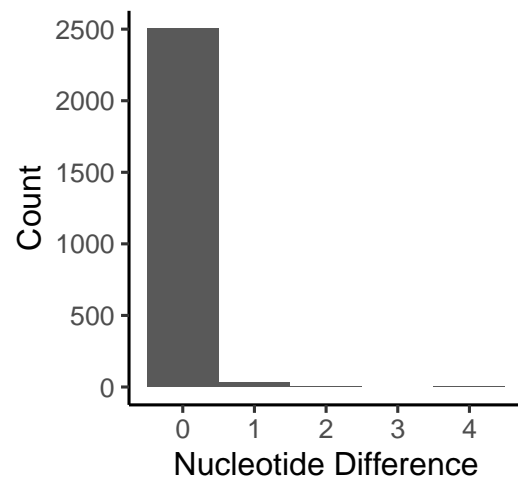
### TRBV10-3\*ap01

3617 sequences assigned  
3556 (98.3%) exact matches, in which:  
3446 unique CDR3  
13 unique J



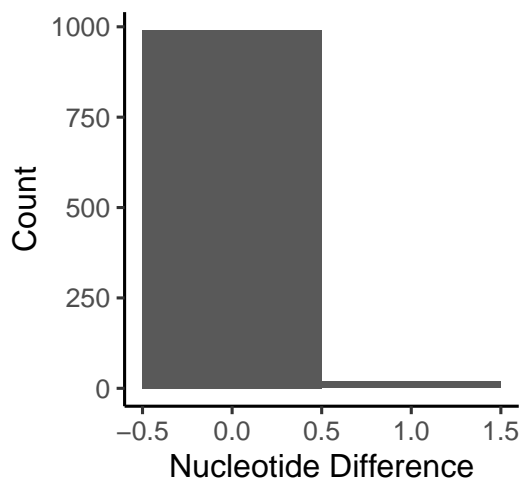
### TRBV14\*ap01

2538 sequences assigned  
2503 (98.6%) exact matches, in which:  
2427 unique CDR3  
13 unique J



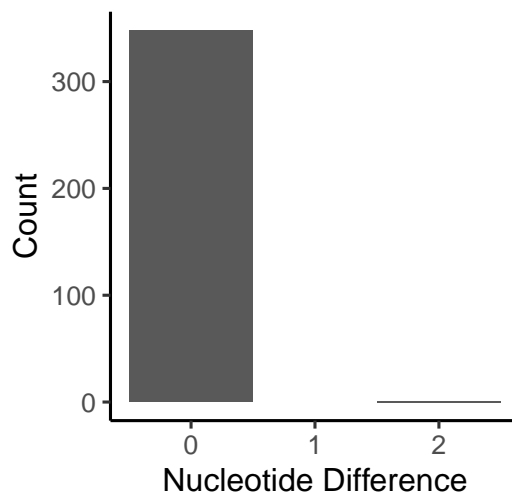
### TRBV20-1\*ap02

1010 sequences assigned  
991 (98.1%) exact matches, in which:  
962 unique CDR3  
13 unique J



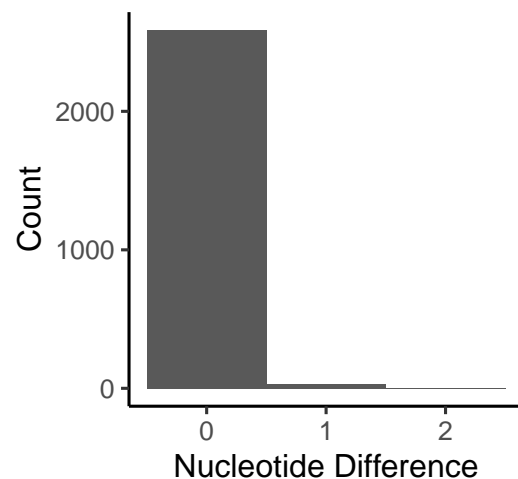
### TRBV1\*ap01

349 sequences assigned  
348 (99.7%) exact matches, in which:  
343 unique CDR3  
13 unique J



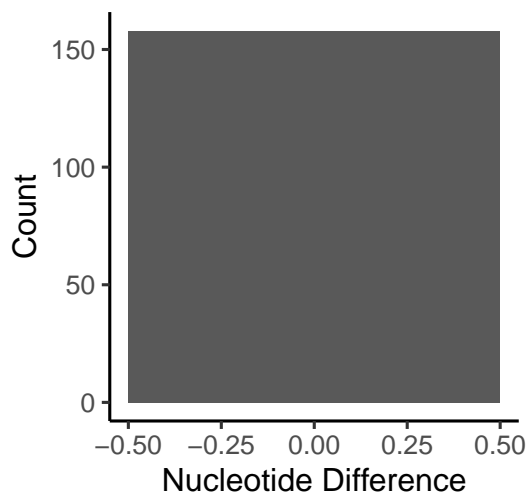
### TRBV15\*ap02

2624 sequences assigned  
2587 (98.6%) exact matches, in which:  
2514 unique CDR3  
13 unique J



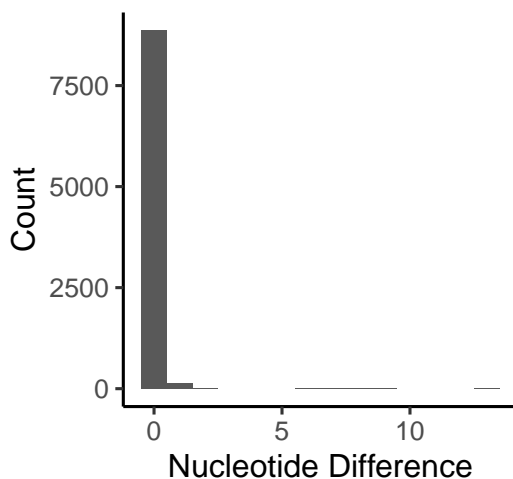
### TRBV16\*ap01

158 sequences assigned  
158 (100%) exact matches, in which:  
153 unique CDR3  
12 unique J



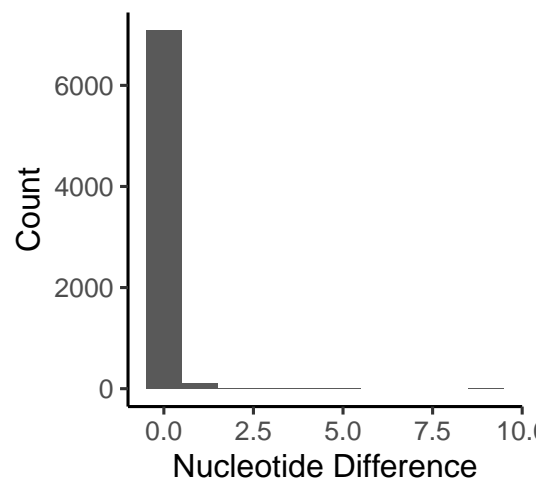
### TRBV19\*ap01

9008 sequences assigned  
8865 (98.4%) exact matches, in which:  
8658 unique CDR3  
14 unique J



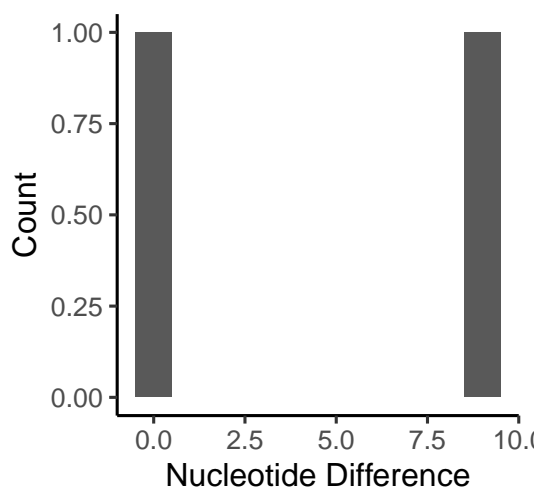
### TRBV27\*ap01

7203 sequences assigned  
7087 (98.4%) exact matches, in which:  
6861 unique CDR3  
13 unique J



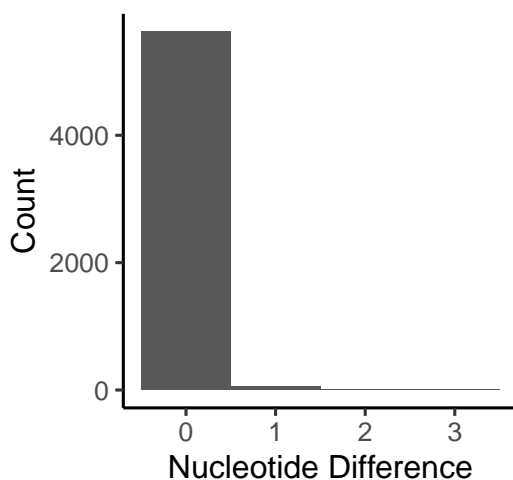
### TRBV17\*ap01

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



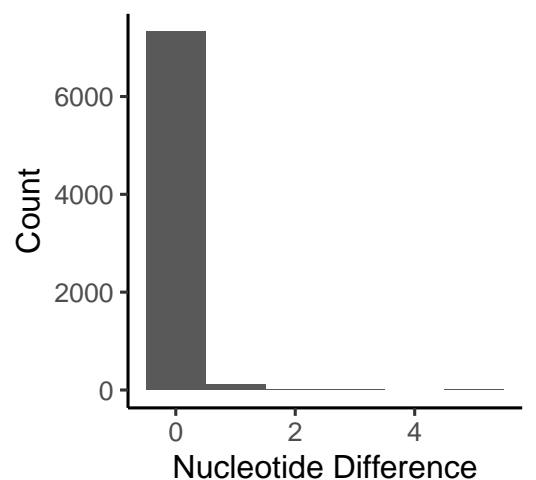
### TRBV2\*ap01

5689 sequences assigned  
5626 (98.9%) exact matches, in which:  
5510 unique CDR3  
13 unique J



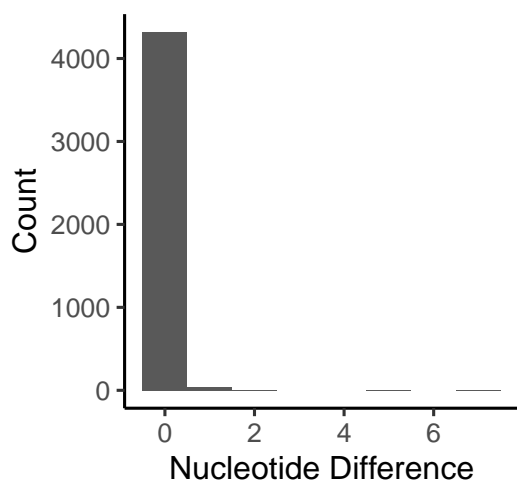
### TRBV28\*ap01

7437 sequences assigned  
7325 (98.5%) exact matches, in which:  
7074 unique CDR3  
13 unique J



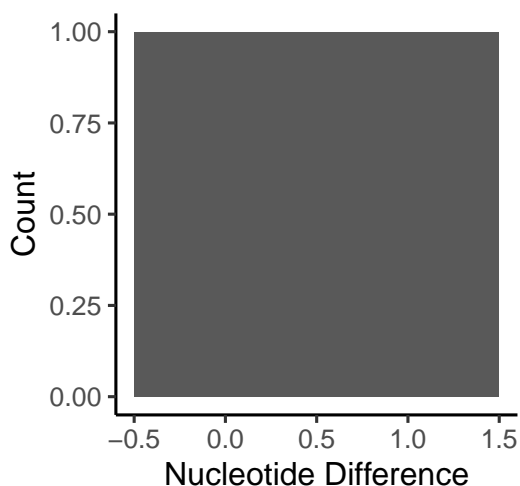
### TRBV18\*ap01

4365 sequences assigned  
4319 (98.9%) exact matches, in which:  
4212 unique CDR3  
13 unique J



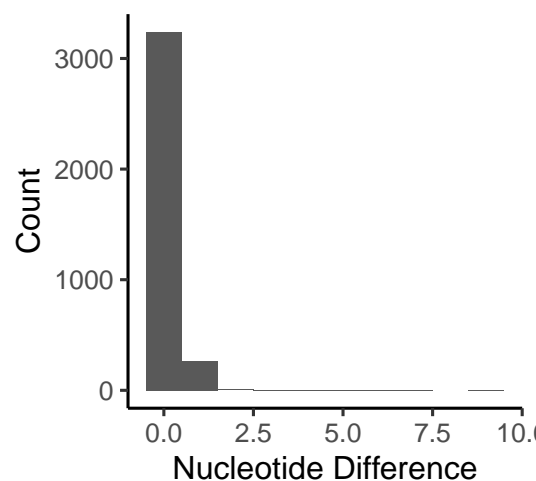
### TRBV26\*ap01

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



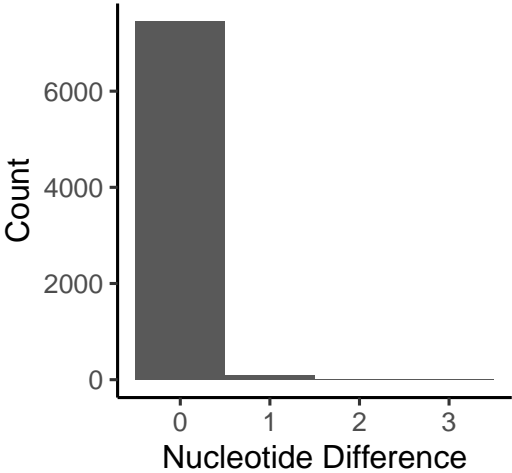
### TRBV30\*ap01

3524 sequences assigned  
3239 (91.9%) exact matches, in which:  
3192 unique CDR3  
13 unique J



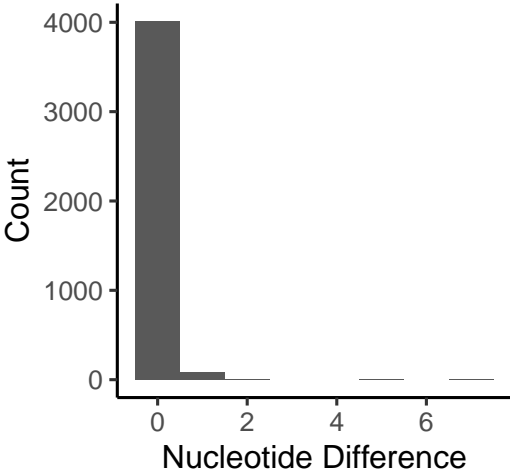
TRBV9\*ap01

7554 sequences assigned  
7451 (98.6%) exact matches, in which:  
7231 unique CDR3  
13 unique J



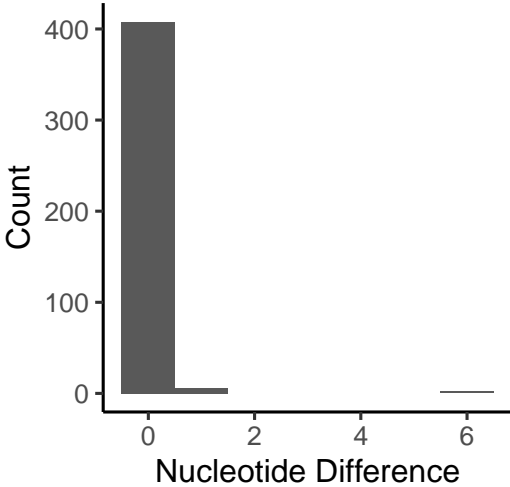
TRBV11-2\*ap01

4095 sequences assigned  
4010 (97.9%) exact matches, in which:  
3896 unique CDR3  
13 unique J



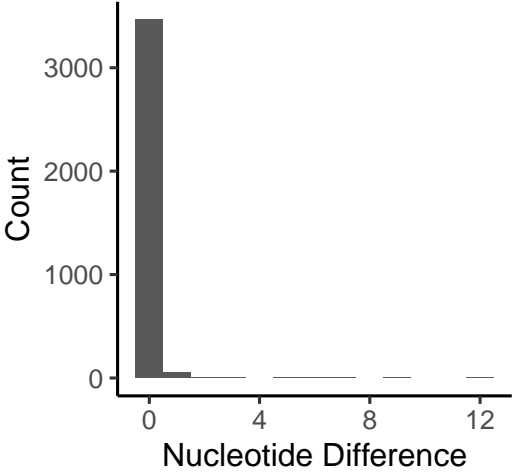
TRBV12-2\*ap01

416 sequences assigned  
408 (98.1%) exact matches, in which:  
397 unique CDR3  
13 unique J



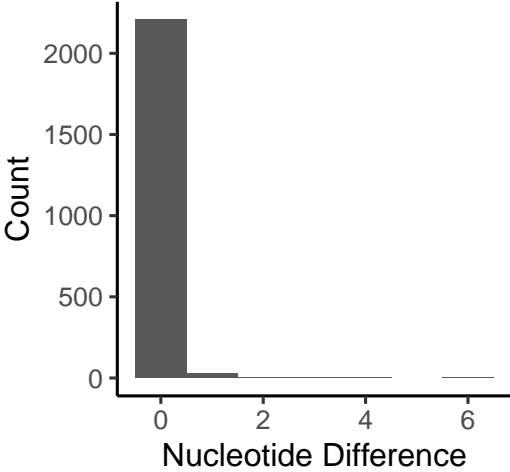
TRBV21-1\*ap01

3534 sequences assigned  
3464 (98%) exact matches, in which:  
3367 unique CDR3  
13 unique J



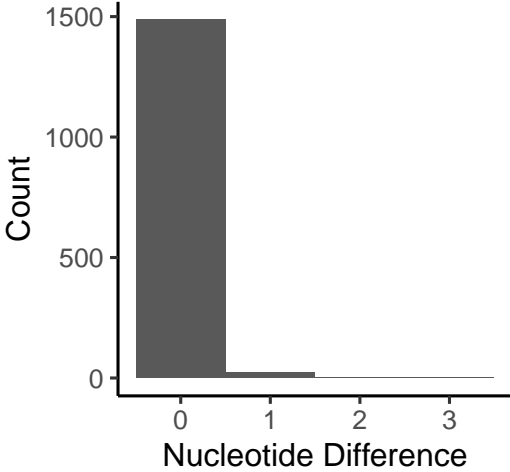
TRBV11-3\*ap01

2241 sequences assigned  
2207 (98.5%) exact matches, in which:  
2154 unique CDR3  
13 unique J



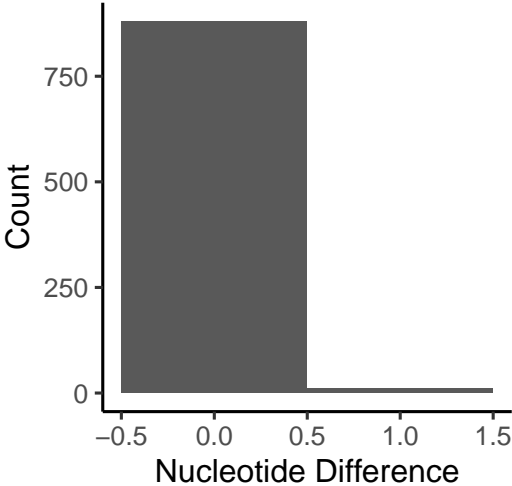
TRBV12-5\*ap01

1512 sequences assigned  
1487 (98.3%) exact matches, in which:  
1449 unique CDR3  
13 unique J



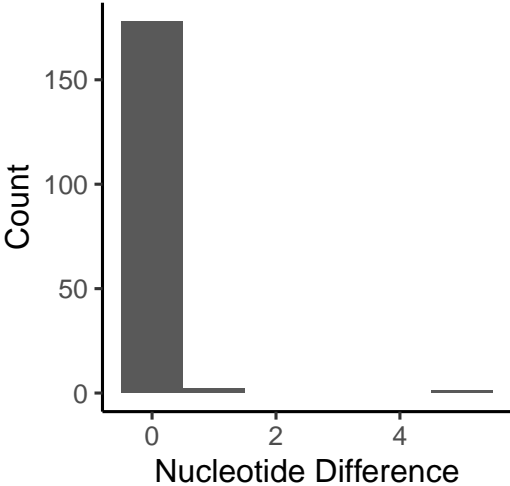
TRBV11-1\*ap01

891 sequences assigned  
880 (98.8%) exact matches, in which:  
857 unique CDR3  
13 unique J



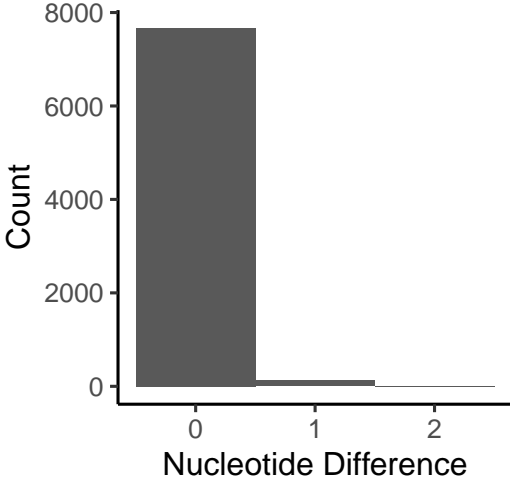
TRBV12-1\*ap01

181 sequences assigned  
178 (98.3%) exact matches, in which:  
173 unique CDR3  
13 unique J



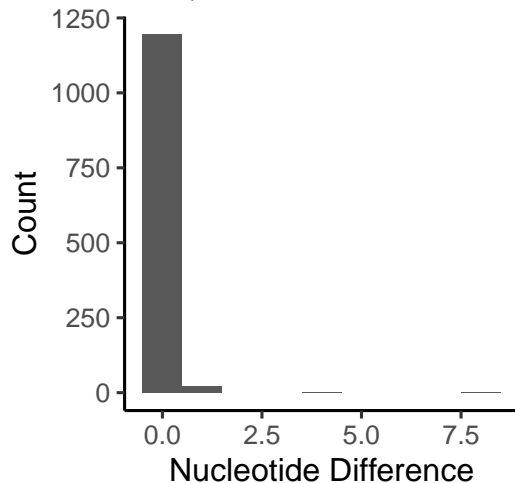
TRBV12-34\*ap01

7797 sequences assigned  
7668 (98.3%) exact matches, in which:  
7434 unique CDR3  
13 unique J



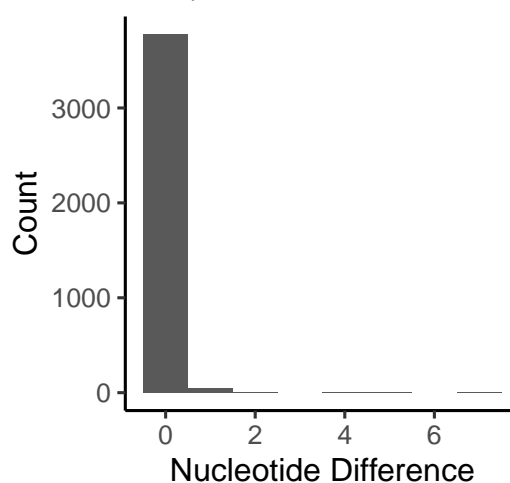
### TRBV23–1\*ap01

1219 sequences assigned  
1195 (98%) exact matches, in which:  
1160 unique CDR3  
13 unique J



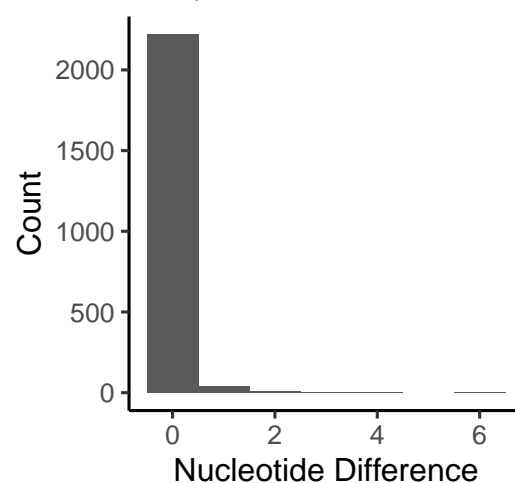
### TRBV24–1\*ap01

3828 sequences assigned  
3775 (98.6%) exact matches, in which:  
3701 unique CDR3  
13 unique J



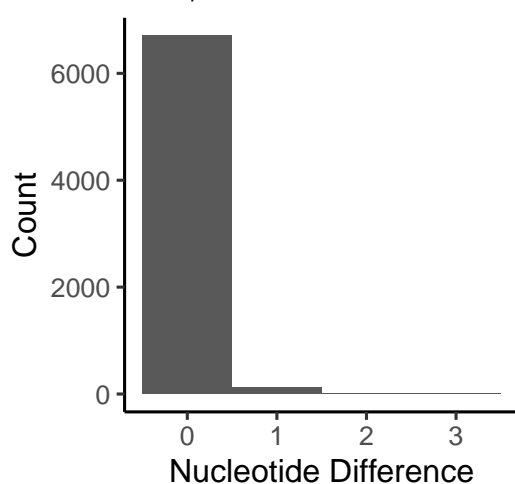
### TRBV25–1\*ap01

2271 sequences assigned  
2220 (97.8%) exact matches, in which:  
2172 unique CDR3  
13 unique J



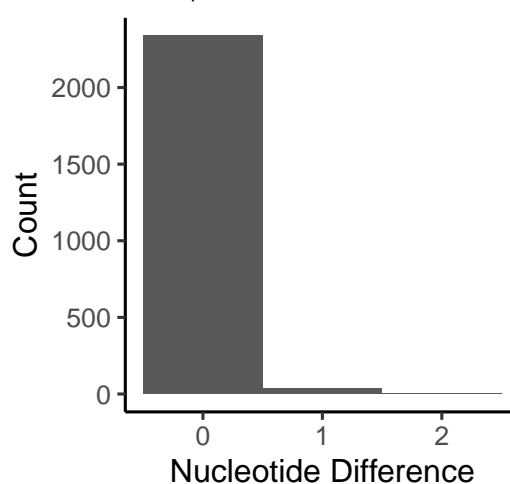
### TRBV3–12\*ap01

6834 sequences assigned  
6704 (98.1%) exact matches, in which:  
6520 unique CDR3  
13 unique J



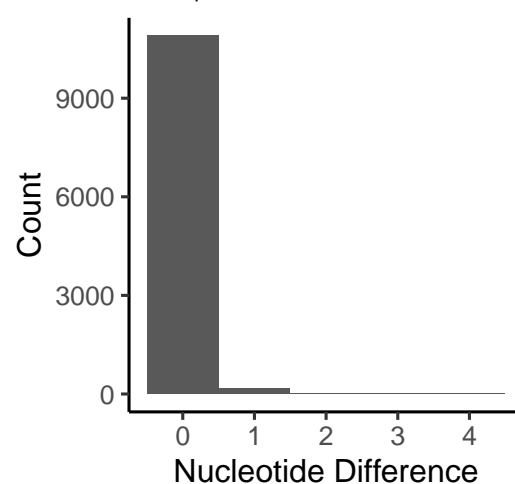
### TRBV4–2\*ap01

2377 sequences assigned  
2338 (98.4%) exact matches, in which:  
2284 unique CDR3  
13 unique J



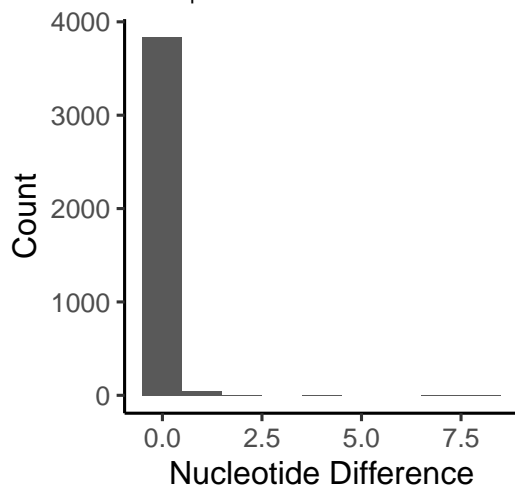
### TRBV5–1\*ap01

11074 sequences assigned  
10901 (98.4%) exact matches, in which:  
10551 unique CDR3  
13 unique J



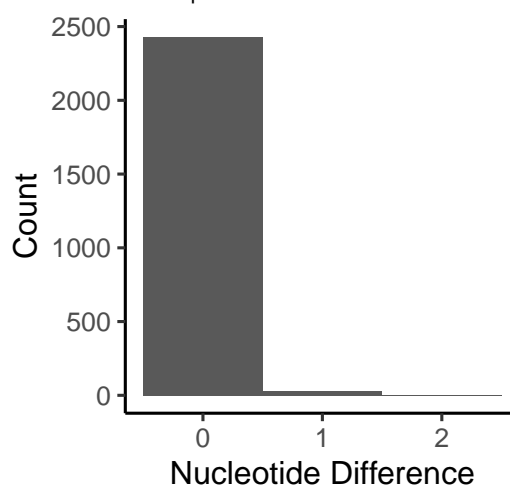
### TRBV4–1\*ap01

3886 sequences assigned  
3837 (98.7%) exact matches, in which:  
3733 unique CDR3  
13 unique J



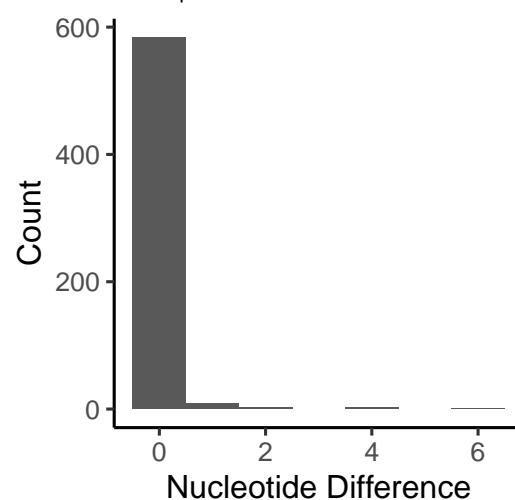
### TRBV4–3\*ap01

2458 sequences assigned  
2429 (98.8%) exact matches, in which:  
2376 unique CDR3  
13 unique J



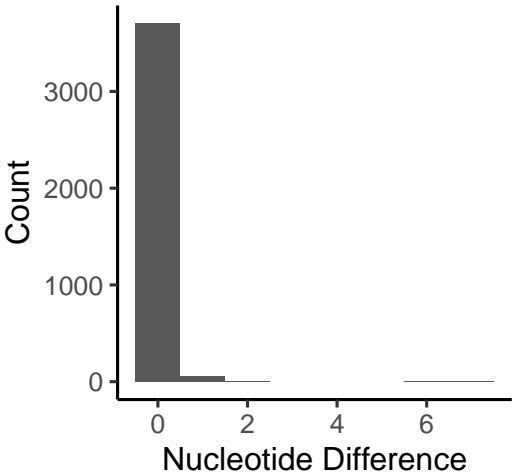
### TRBV5–3\*ap01

597 sequences assigned  
584 (97.8%) exact matches, in which:  
569 unique CDR3  
13 unique J



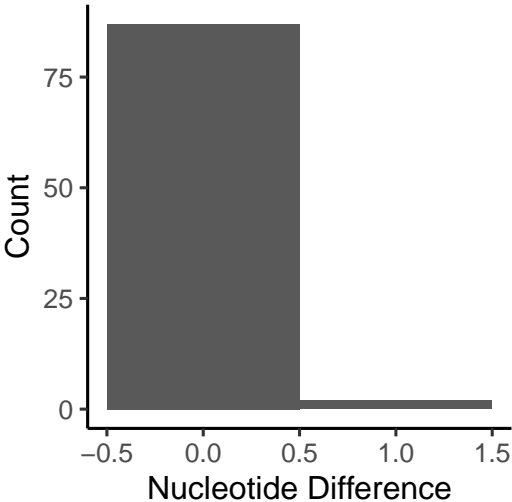
TRBV5-4\*ap01

3765 sequences assigned  
3703 (98.4%) exact matches, in which:  
3586 unique CDR3  
13 unique J



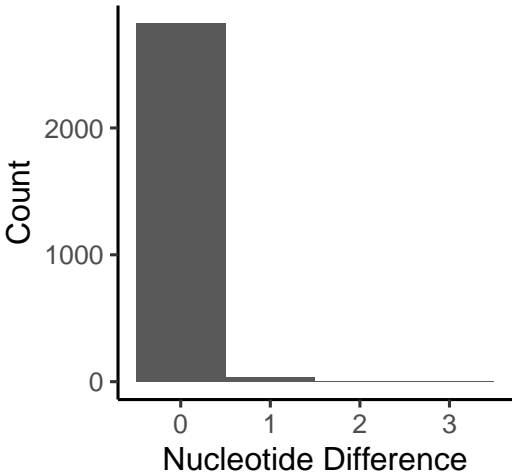
TRBV5-7\*ap01

89 sequences assigned  
87 (97.8%) exact matches, in which:  
87 unique CDR3  
12 unique J



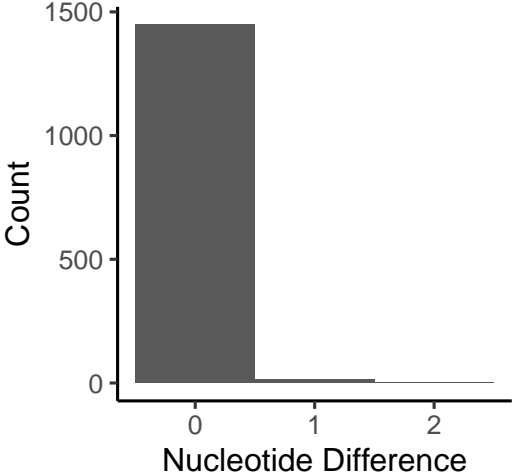
TRBV6-4\*ap01

2866 sequences assigned  
2824 (98.5%) exact matches, in which:  
2771 unique CDR3  
13 unique J



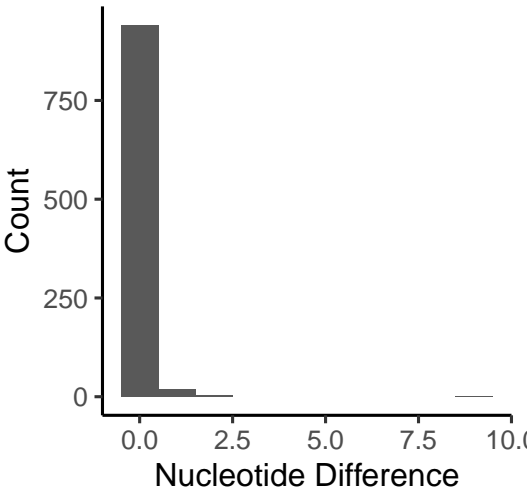
TRBV5-5\*ap01

1465 sequences assigned  
1448 (98.8%) exact matches, in which:  
1427 unique CDR3  
13 unique J



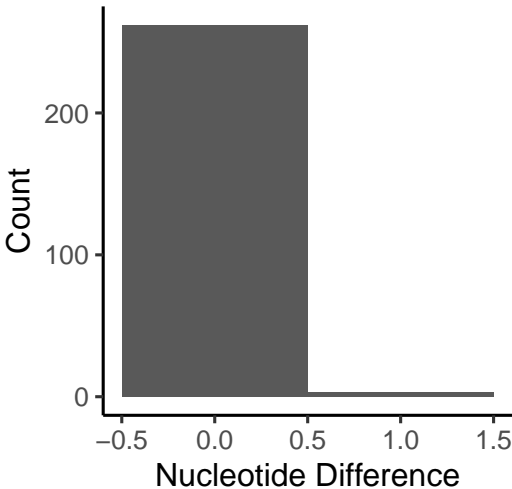
TRBV5-8\*ap01

965 sequences assigned  
941 (97.5%) exact matches, in which:  
924 unique CDR3  
13 unique J



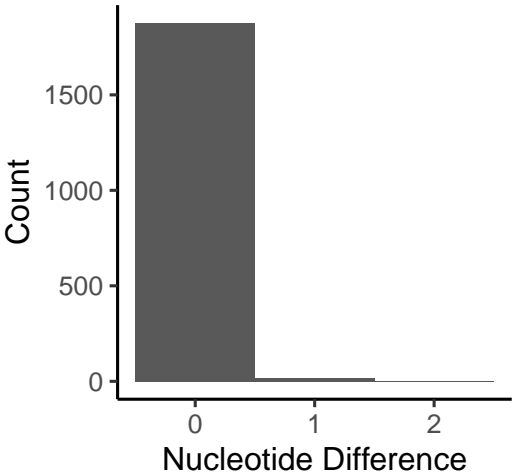
TRBV6-7\*ap01

265 sequences assigned  
262 (98.9%) exact matches, in which:  
258 unique CDR3  
13 unique J



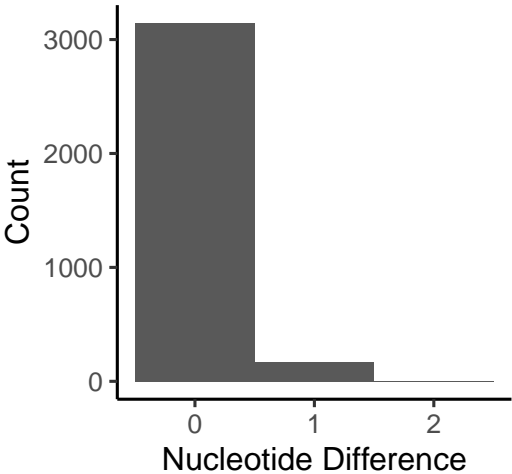
TRBV5-6\*ap01

1896 sequences assigned  
1876 (98.9%) exact matches, in which:  
1826 unique CDR3  
13 unique J



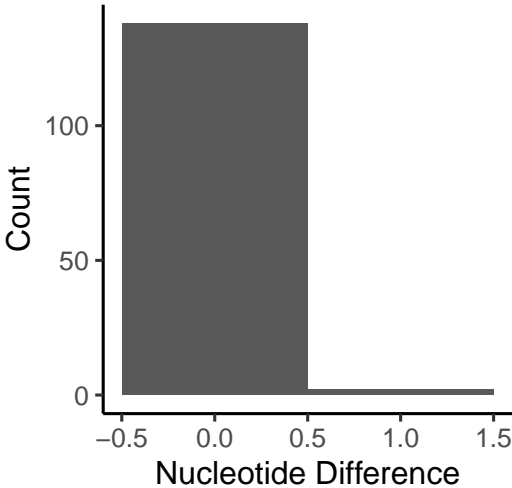
TRBV6-1\*ap01

3320 sequences assigned  
3145 (94.7%) exact matches, in which:  
3037 unique CDR3  
13 unique J



TRBV6-8\*ap01

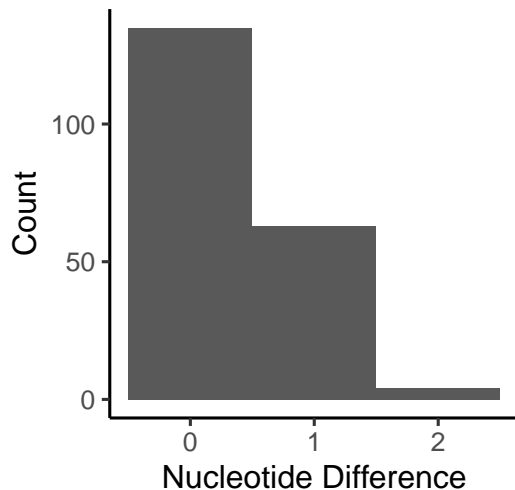
140 sequences assigned  
138 (98.6%) exact matches, in which:  
132 unique CDR3  
13 unique J





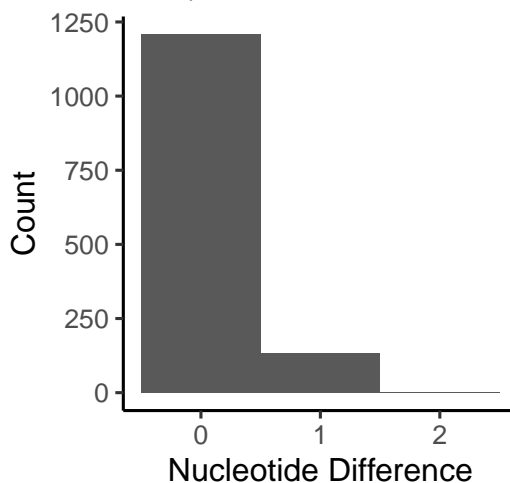
### TRBV6-9\*ap01

202 sequences assigned  
135 (66.8%) exact matches, in which:  
131 unique CDR3  
13 unique J



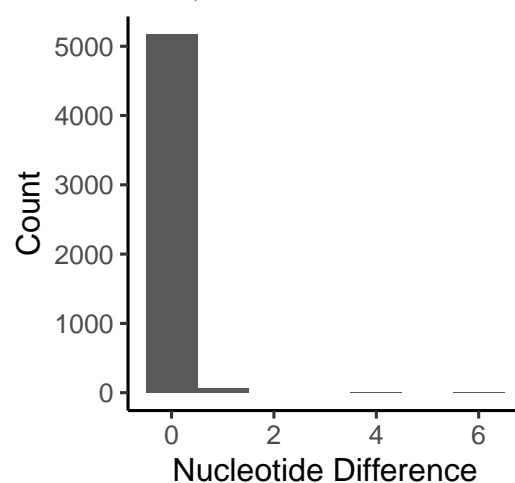
### TRBV6-56\*ap02

1345 sequences assigned  
1208 (89.8%) exact matches, in which:  
1178 unique CDR3  
13 unique J



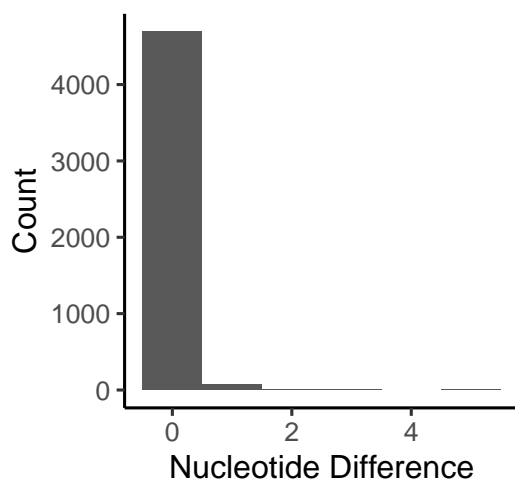
### TRBV7-2\*ap01

5239 sequences assigned  
5171 (98.7%) exact matches, in which:  
5040 unique CDR3  
14 unique J



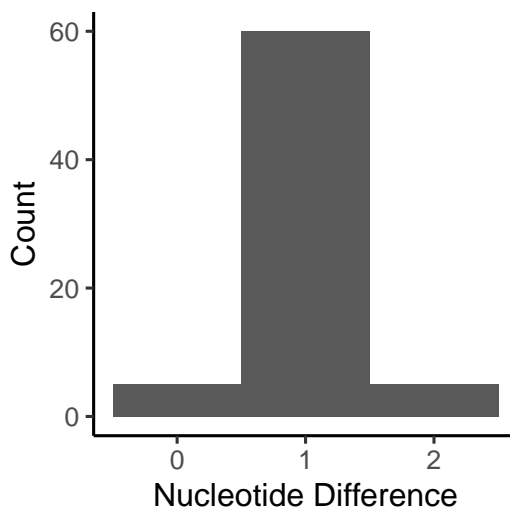
### TRBV6-23\*ap01

4772 sequences assigned  
4692 (98.3%) exact matches, in which:  
4585 unique CDR3  
13 unique J



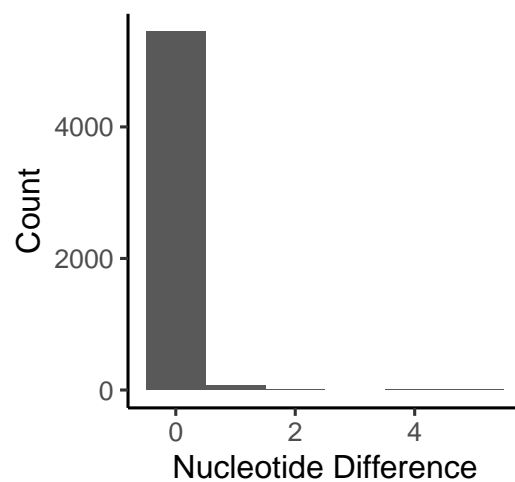
### TRBV7-1\*ap01\_T296C

70 sequences assigned  
5 (7.1%) exact matches, in which:  
5 unique CDR3  
4 unique J



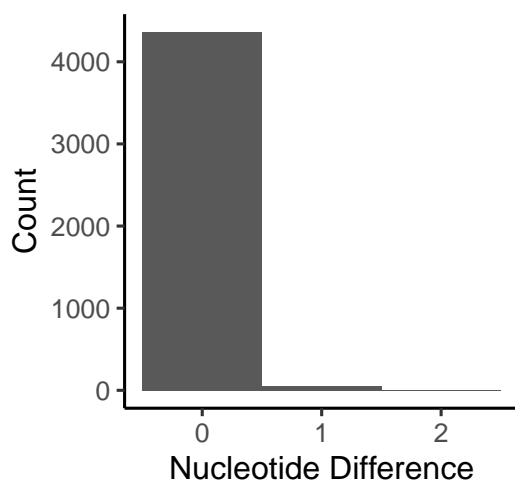
### TRBV7-3\*ap01

5521 sequences assigned  
5447 (98.7%) exact matches, in which:  
5305 unique CDR3  
13 unique J



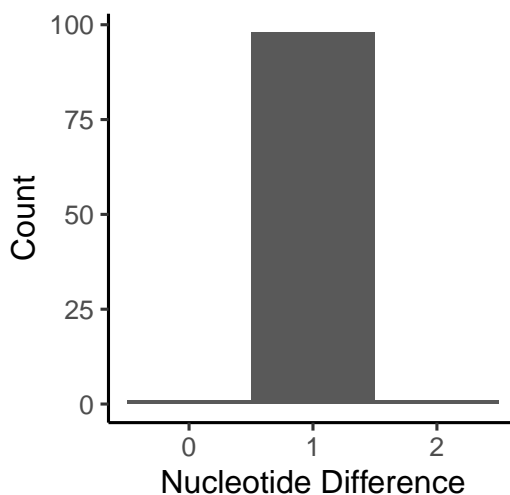
### TRBV6-56\*ap01

4418 sequences assigned  
4362 (98.7%) exact matches, in which:  
4258 unique CDR3  
14 unique J



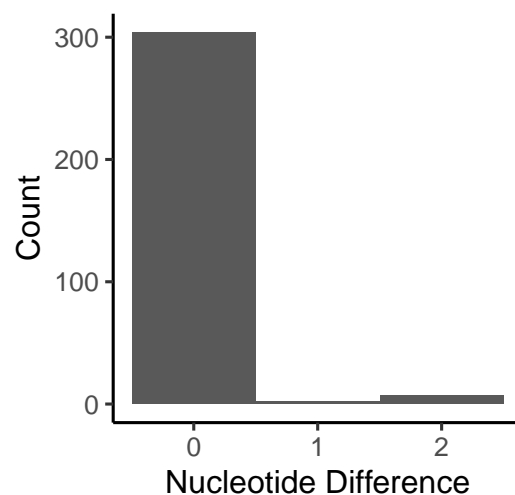
### TRBV7-1\*ap01\_T296C\_0

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



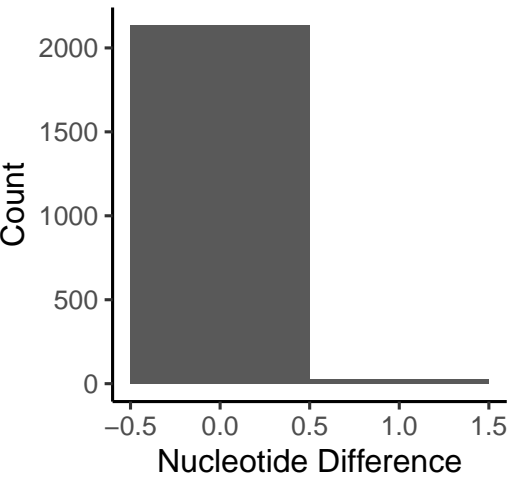
### TRBV7-4\*ap01

313 sequences assigned  
304 (97.1%) exact matches, in which:  
291 unique CDR3  
13 unique J



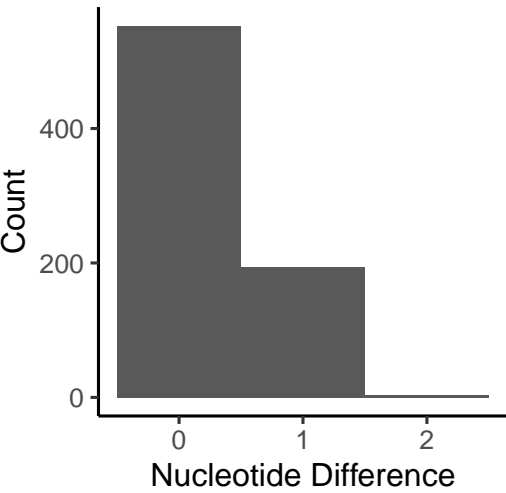
TRBV7-6\*ap01

2159 sequences assigned  
2134 (98.8%) exact matches, in which:  
2075 unique CDR3  
13 unique J



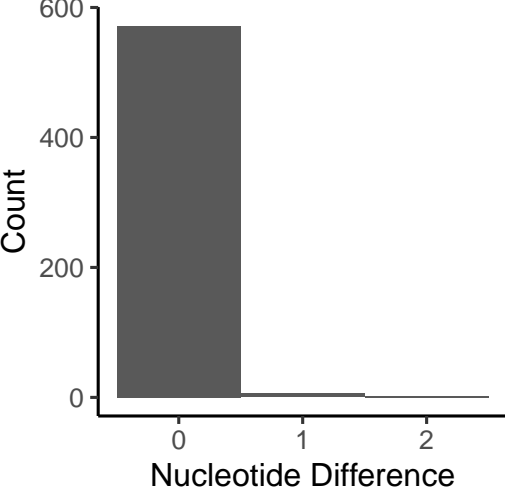
TRBV7-8\*ap03

751 sequences assigned  
553 (73.6%) exact matches, in which:  
536 unique CDR3  
13 unique J



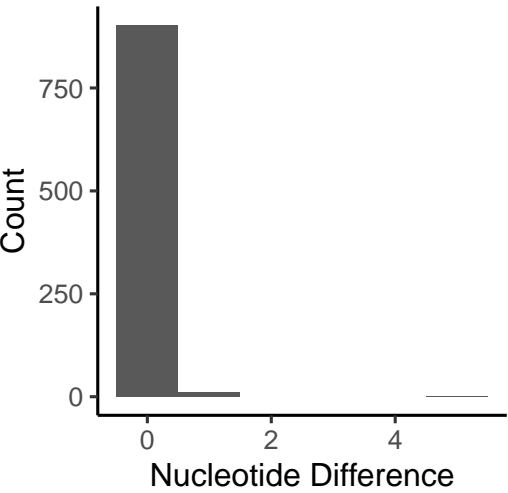
TRBV29-1\*ap02

580 sequences assigned  
572 (98.6%) exact matches, in which:  
552 unique CDR3  
13 unique J



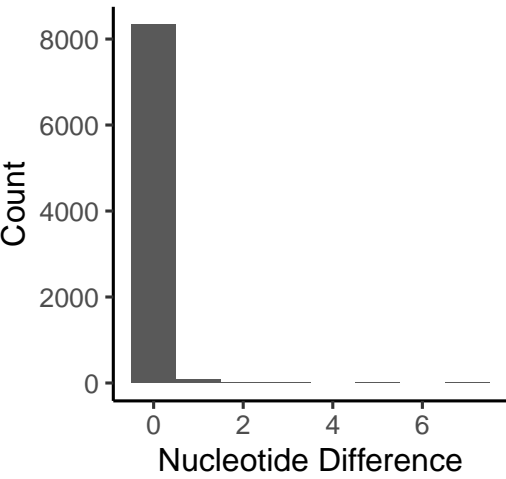
TRBV7-7\*ap01\_C315T

917 sequences assigned  
903 (98.5%) exact matches, in which:  
884 unique CDR3  
13 unique J



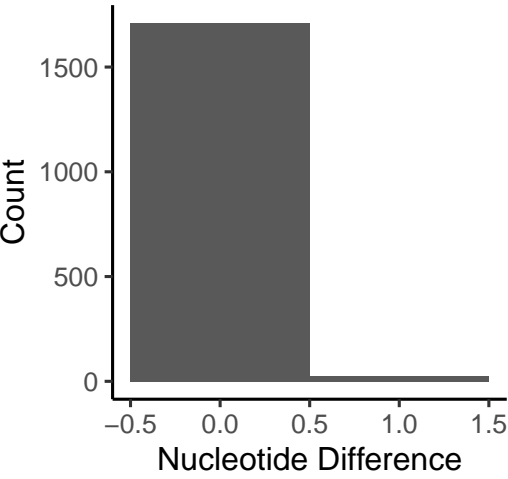
TRBV7-9\*ap01

8424 sequences assigned  
8333 (98.9%) exact matches, in which:  
8112 unique CDR3  
13 unique J



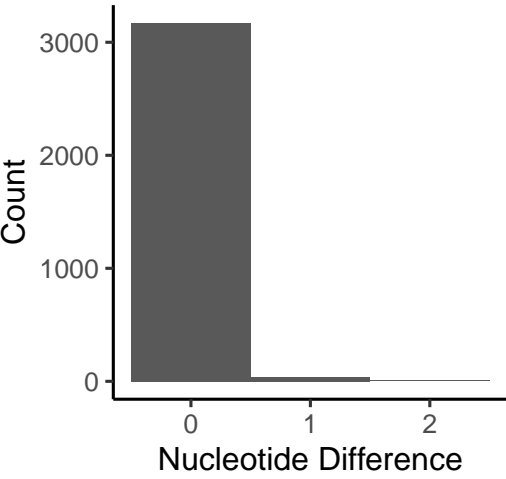
TRBV7-8\*ap01

1734 sequences assigned  
1710 (98.6%) exact matches, in which:  
1669 unique CDR3  
13 unique J

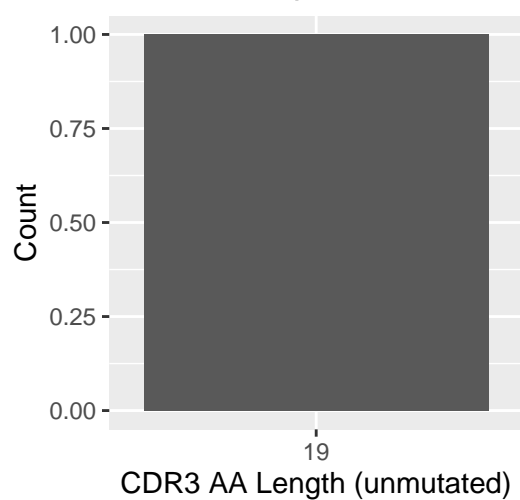


TRBV29-1\*ap01

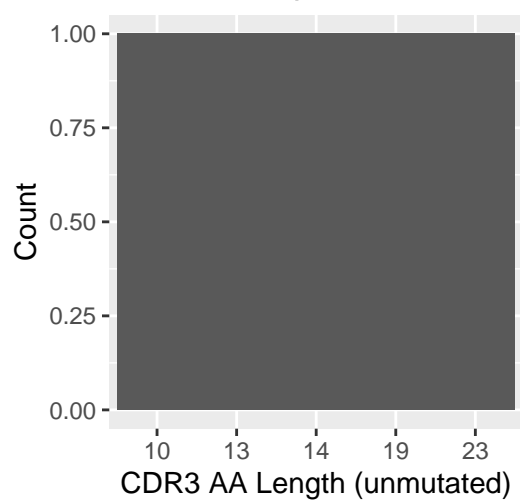
3213 sequences assigned  
3170 (98.7%) exact matches, in which:  
3097 unique CDR3  
13 unique J



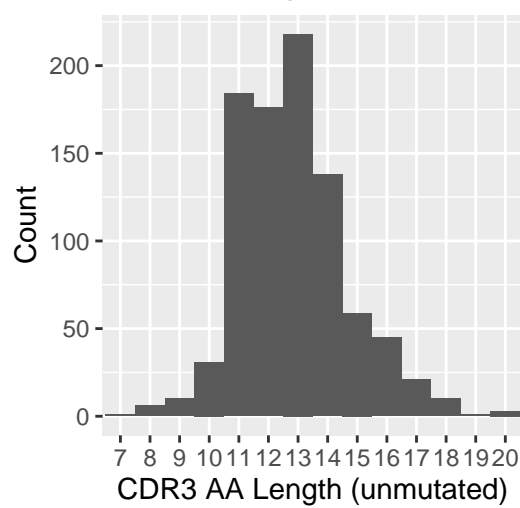
TRBV7-1\*ap01\_T296C\_C314T



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.