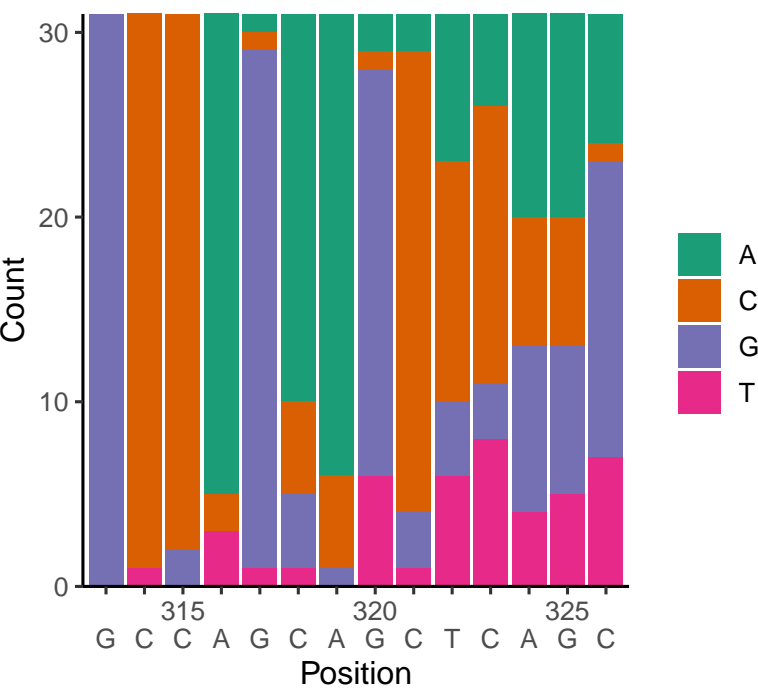
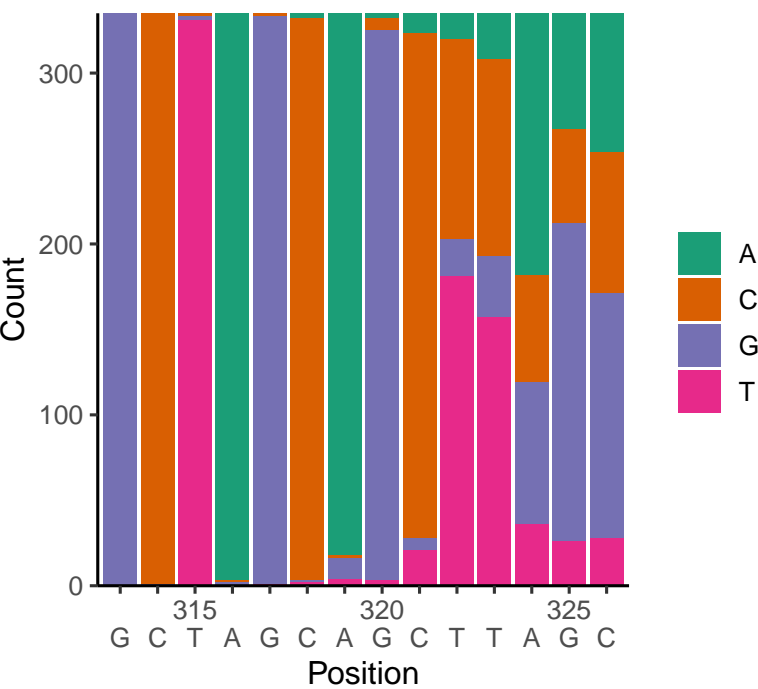


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



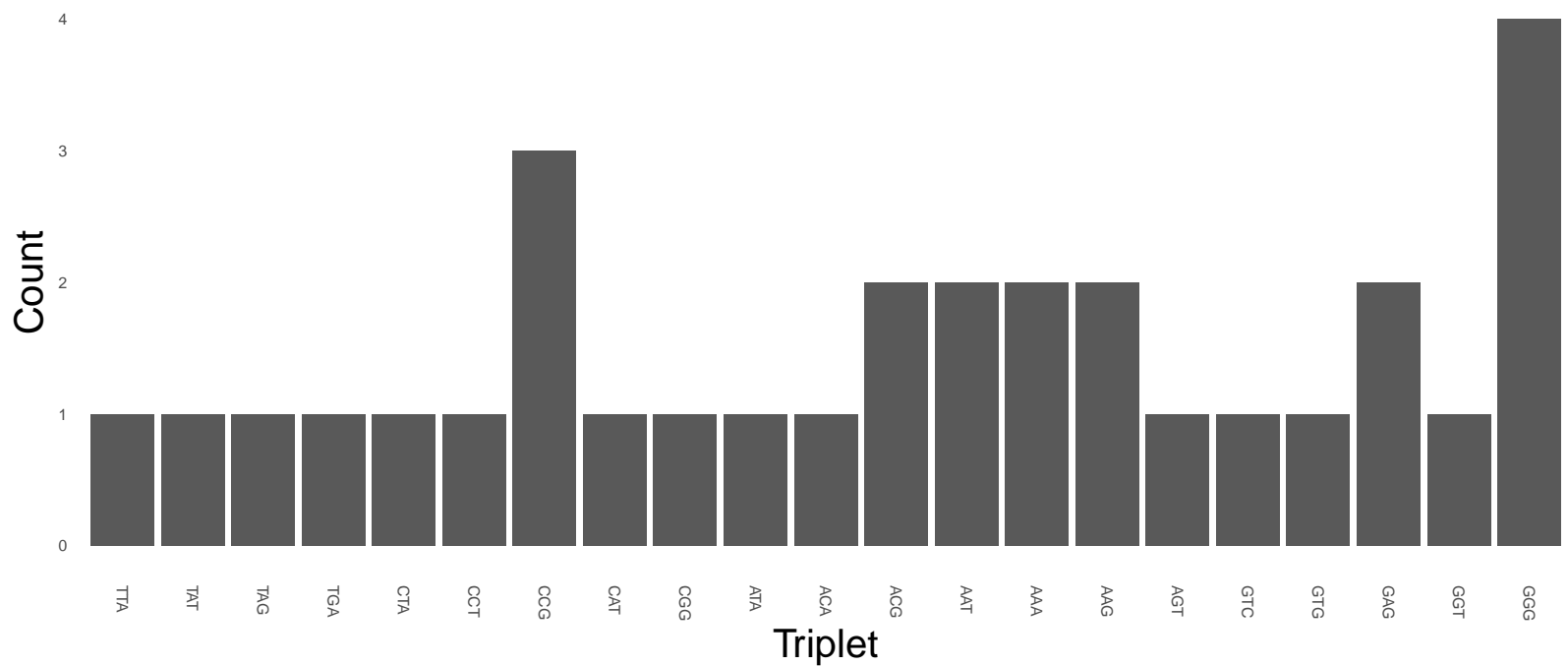
Gene TRBV7-1\*ap01\_T296C



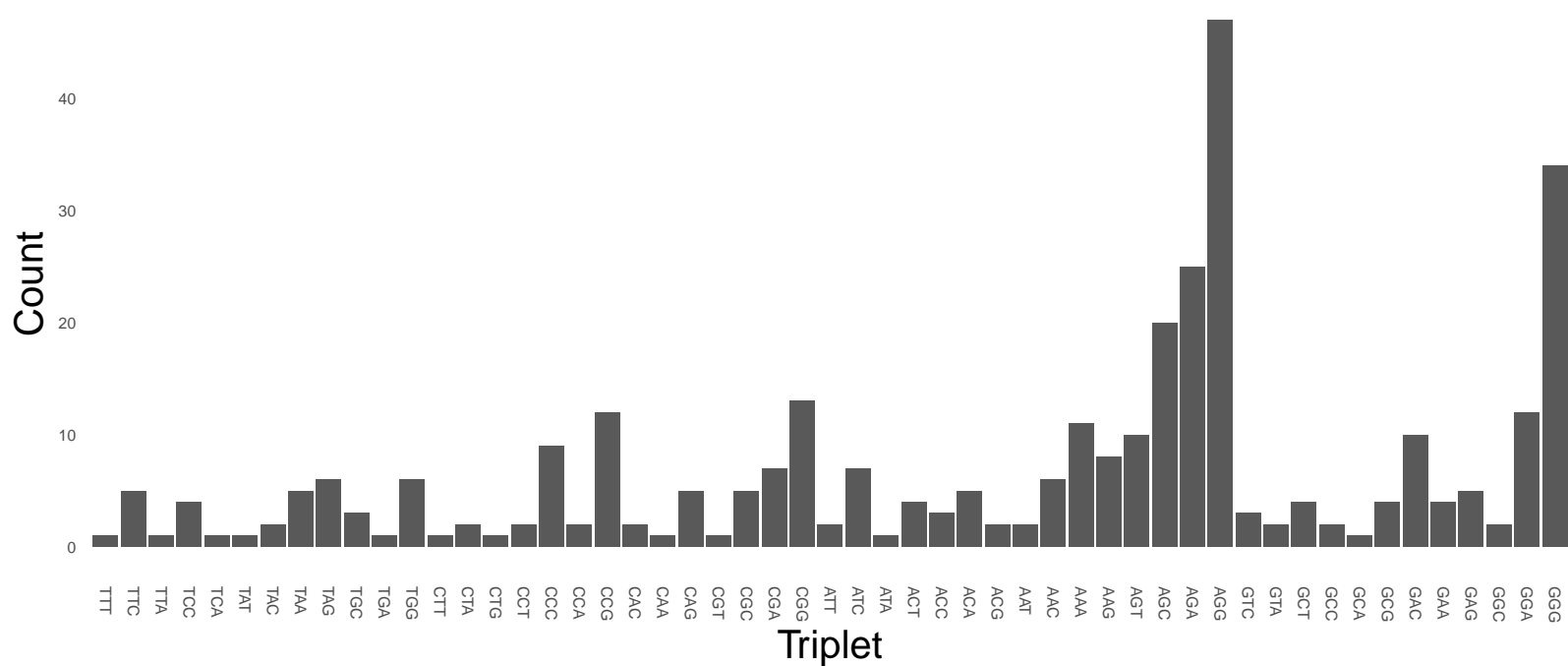
Gene TRBV7-7\*ap01\_C315T



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

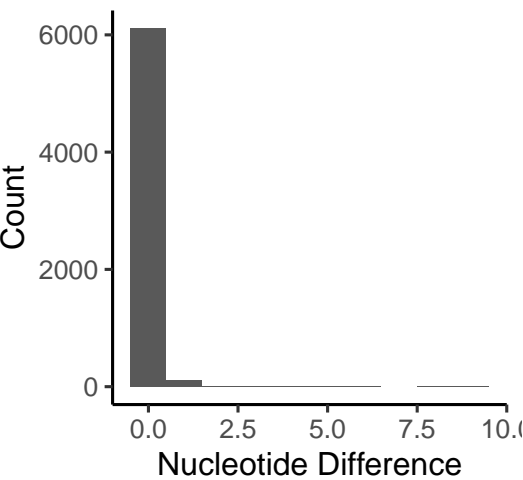


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



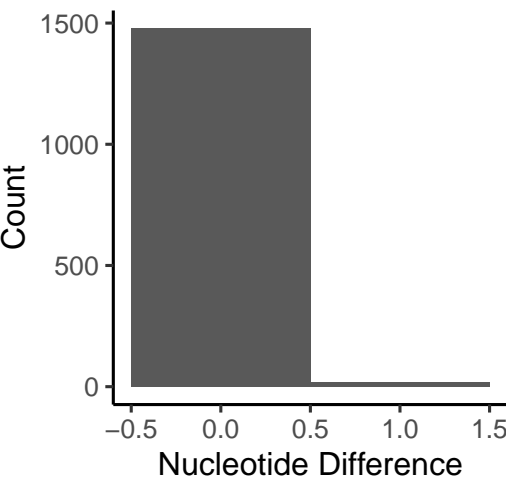
TRBV20-1\*ap01

6246 sequences assigned  
6110 (97.8%) exact matches, in which:  
5876 unique CDR3  
13 unique J



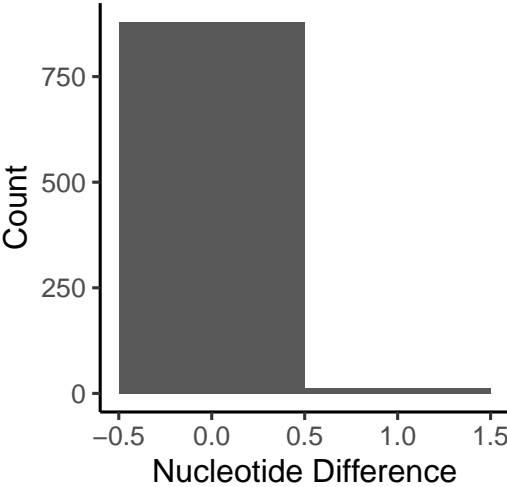
TRBV10-3\*ap01

1497 sequences assigned  
1478 (98.7%) exact matches, in which:  
1411 unique CDR3  
13 unique J



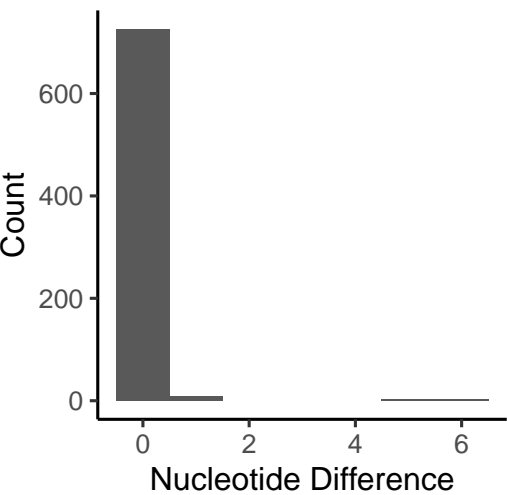
TRBV14\*ap01

892 sequences assigned  
880 (98.7%) exact matches, in which:  
850 unique CDR3  
13 unique J



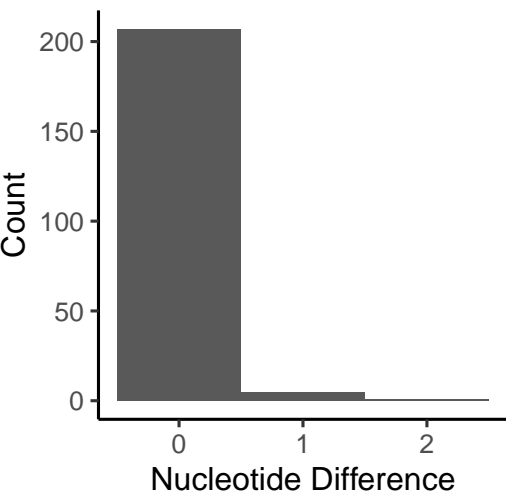
TRBV10-1\*ap01

739 sequences assigned  
726 (98.2%) exact matches, in which:  
703 unique CDR3  
13 unique J



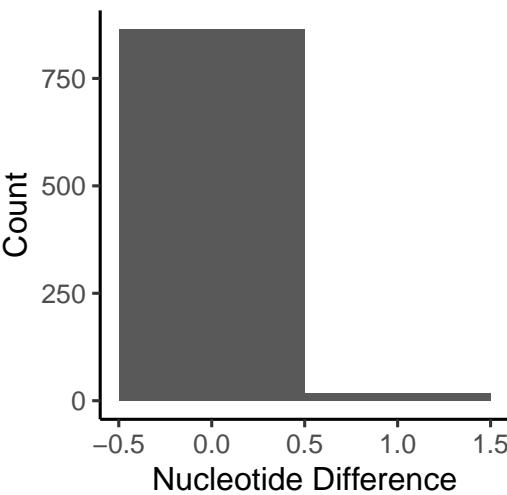
TRBV1\*ap01

213 sequences assigned  
207 (97.2%) exact matches, in which:  
190 unique CDR3  
13 unique J



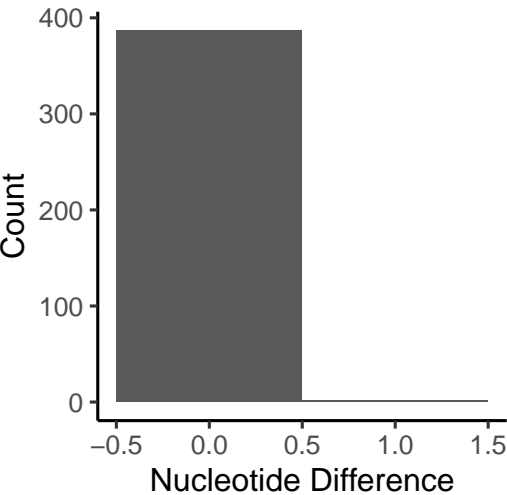
TRBV15\*ap02

883 sequences assigned  
865 (98%) exact matches, in which:  
828 unique CDR3  
13 unique J



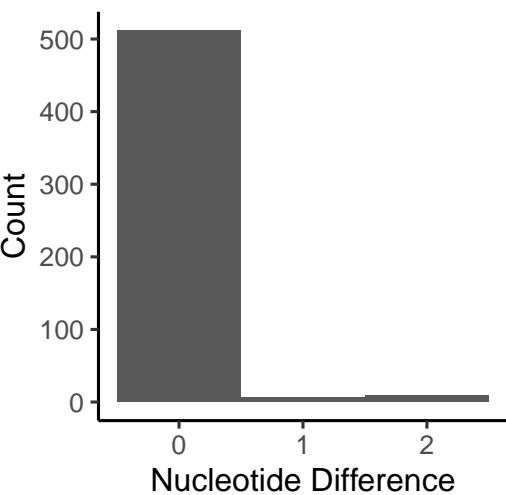
TRBV10-2\*ap01

389 sequences assigned  
387 (99.5%) exact matches, in which:  
372 unique CDR3  
13 unique J



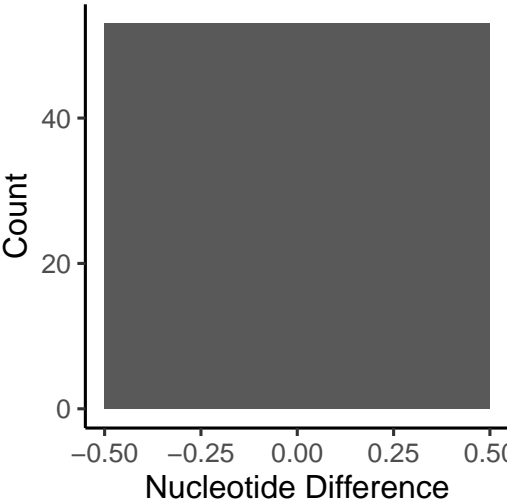
TRBV13\*ap01

527 sequences assigned  
512 (97.2%) exact matches, in which:  
484 unique CDR3  
13 unique J



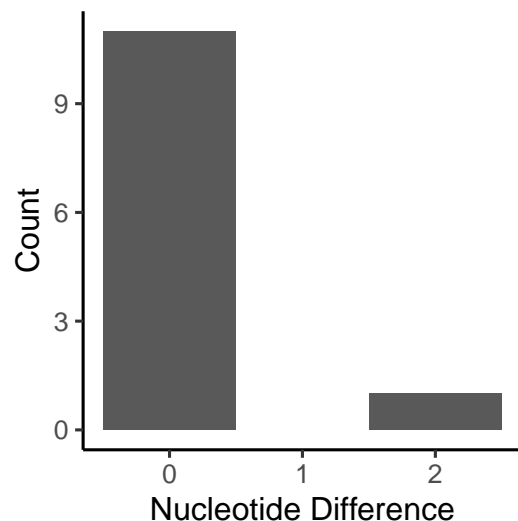
TRBV16\*ap01

53 sequences assigned  
53 (100%) exact matches, in which:  
53 unique CDR3  
12 unique J



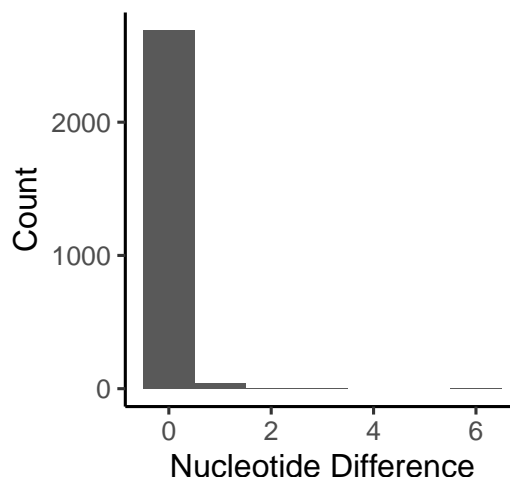
### TRBV17\*ap01

12 sequences assigned  
11 (91.7%) exact matches, in which:  
10 unique CDR3  
5 unique J



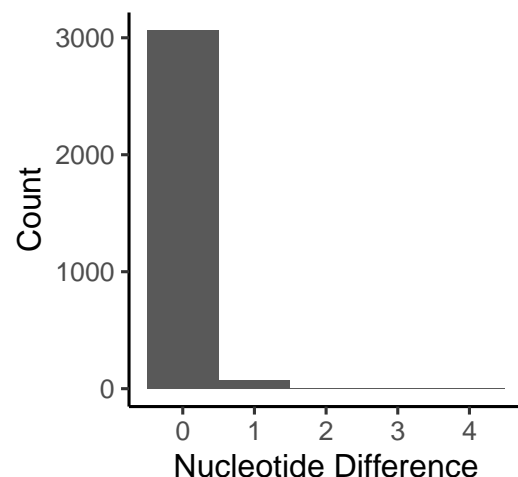
### TRBV2\*ap01

2731 sequences assigned  
2689 (98.5%) exact matches, in which:  
2597 unique CDR3  
13 unique J



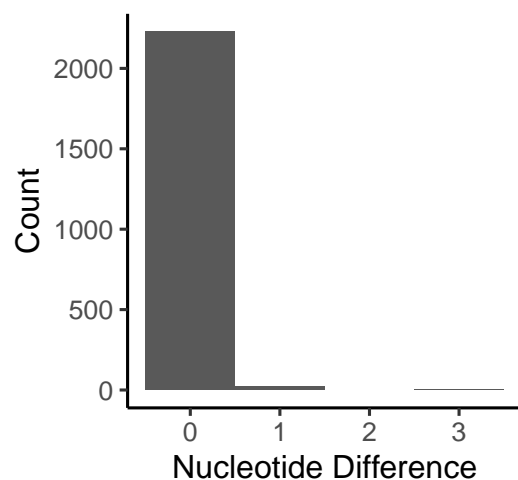
### TRBV30\*ap01

3136 sequences assigned  
3063 (97.7%) exact matches, in which:  
2946 unique CDR3  
13 unique J



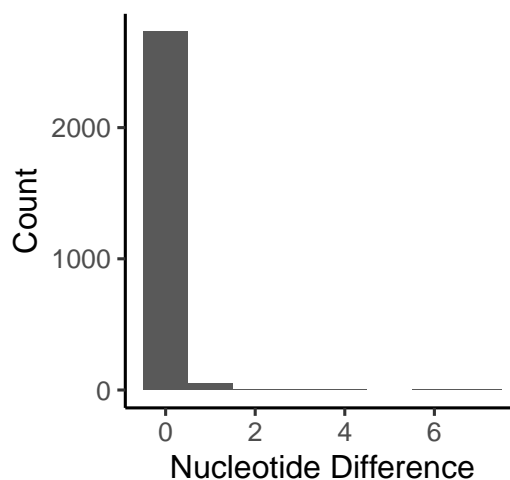
### TRBV18\*ap01

2249 sequences assigned  
2228 (99.1%) exact matches, in which:  
2169 unique CDR3  
13 unique J



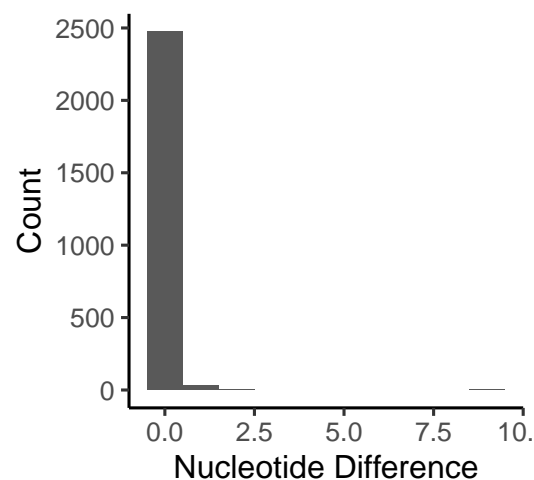
### TRBV27\*ap01

2790 sequences assigned  
2731 (97.9%) exact matches, in which:  
2627 unique CDR3  
13 unique J



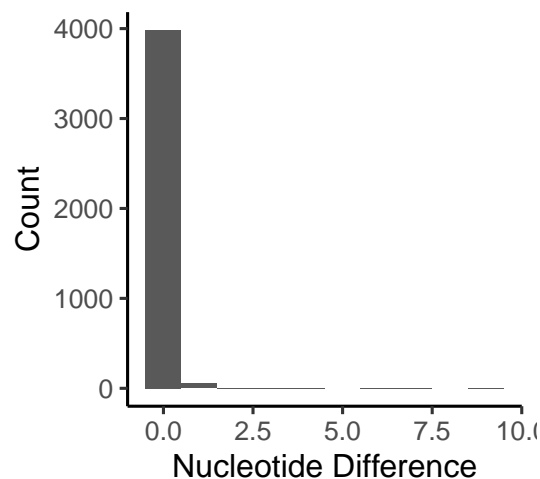
### TRBV9\*ap01

2508 sequences assigned  
2474 (98.6%) exact matches, in which:  
2403 unique CDR3  
13 unique J



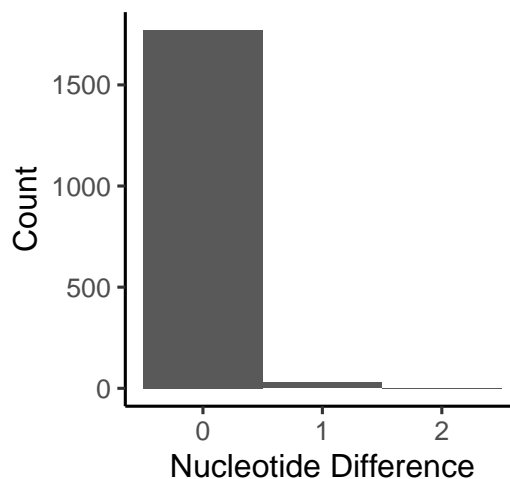
### TRBV19\*ap01

4048 sequences assigned  
3984 (98.4%) exact matches, in which:  
3898 unique CDR3  
13 unique J



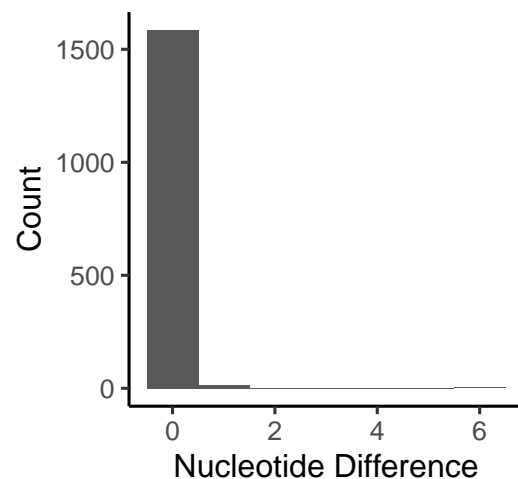
### TRBV28\*ap01

1801 sequences assigned  
1771 (98.3%) exact matches, in which:  
1713 unique CDR3  
13 unique J



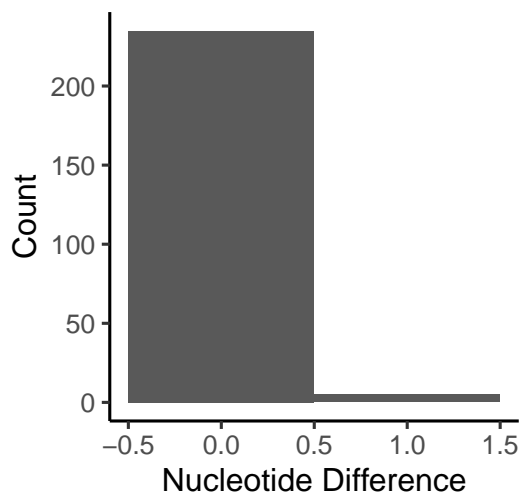
### TRBV21-1\*ap01

1610 sequences assigned  
1585 (98.4%) exact matches, in which:  
1565 unique CDR3  
13 unique J



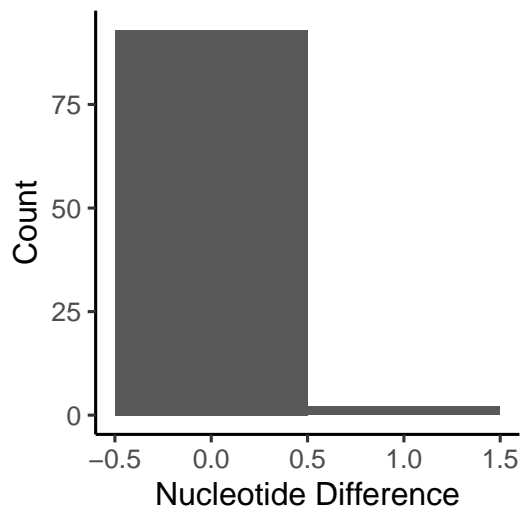
### TRBV11-1\*ap01

240 sequences assigned  
235 (97.9%) exact matches, in which:  
228 unique CDR3  
13 unique J



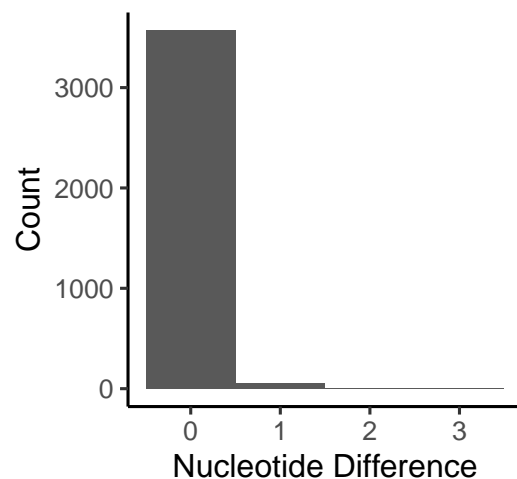
### TRBV12-1\*ap01

95 sequences assigned  
93 (97.9%) exact matches, in which:  
86 unique CDR3  
11 unique J



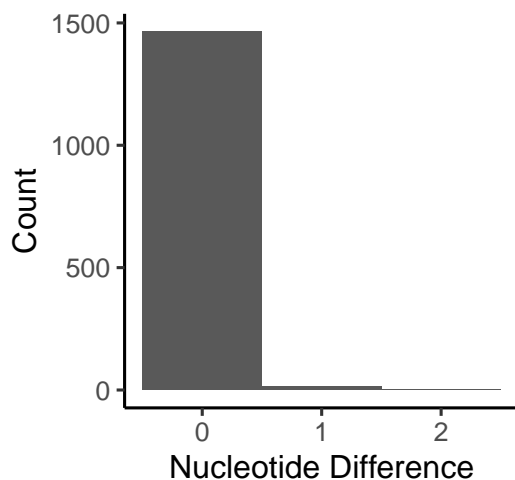
### TRBV12-34\*ap01

3626 sequences assigned  
3570 (98.5%) exact matches, in which:  
3449 unique CDR3  
13 unique J



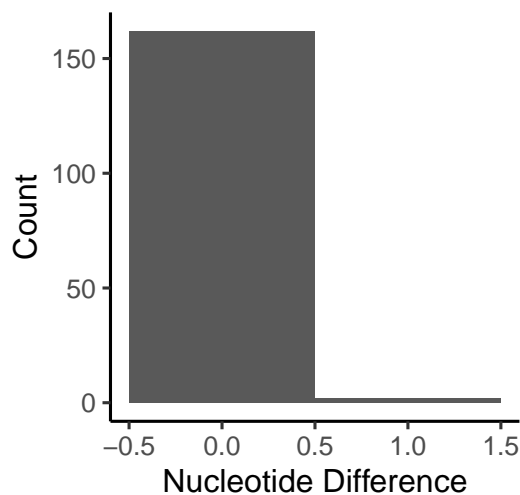
### TRBV11-2\*ap01

1480 sequences assigned  
1464 (98.9%) exact matches, in which:  
1414 unique CDR3  
13 unique J



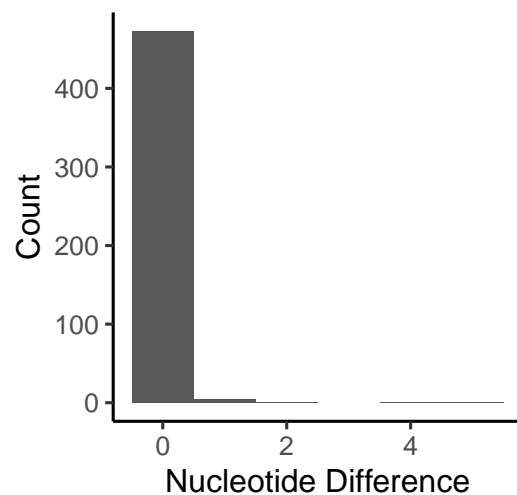
### TRBV12-2\*ap01

164 sequences assigned  
162 (98.8%) exact matches, in which:  
158 unique CDR3  
13 unique J



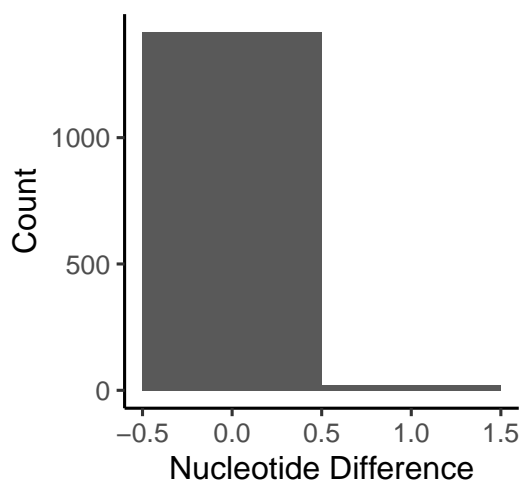
### TRBV23-1\*ap01

481 sequences assigned  
473 (98.3%) exact matches, in which:  
466 unique CDR3  
13 unique J



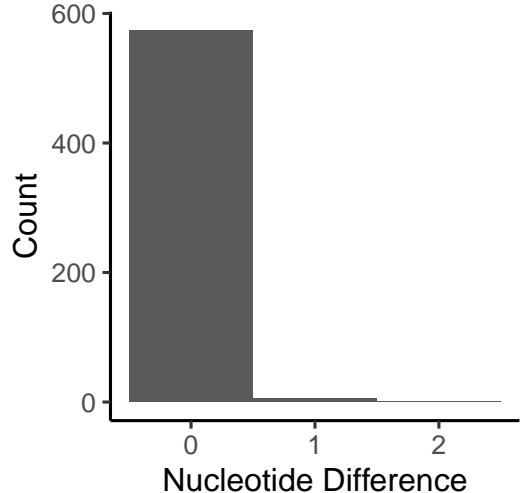
### TRBV11-3\*ap01

1438 sequences assigned  
1418 (98.6%) exact matches, in which:  
1362 unique CDR3  
13 unique J



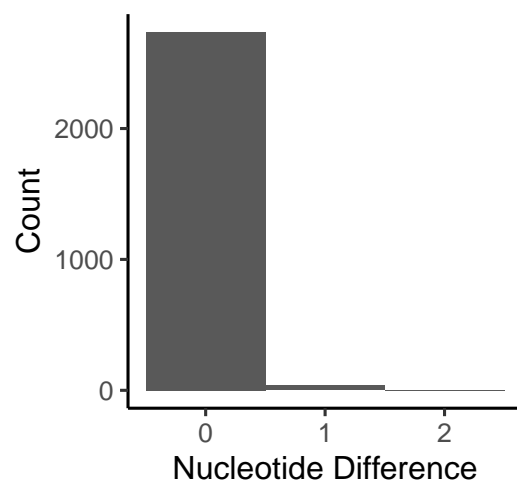
### TRBV12-5\*ap01

581 sequences assigned  
574 (98.8%) exact matches, in which:  
550 unique CDR3  
13 unique J



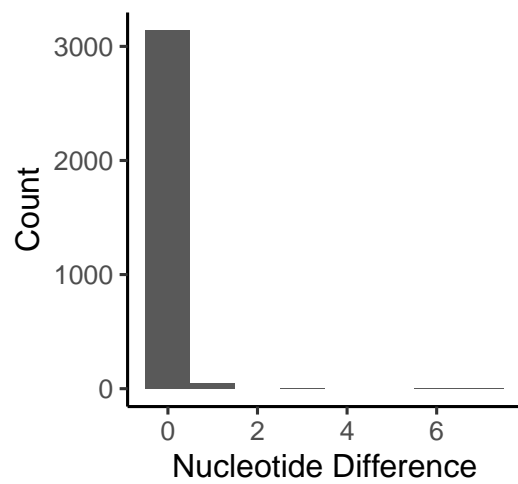
### TRBV3-12\*ap01

2776 sequences assigned  
2737 (98.6%) exact matches, in which:  
2640 unique CDR3  
13 unique J



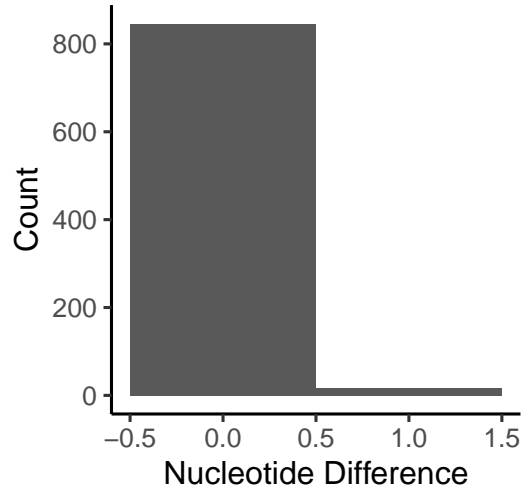
### TRBV24-1\*ap01

3191 sequences assigned  
3140 (98.4%) exact matches, in which:  
3034 unique CDR3  
13 unique J



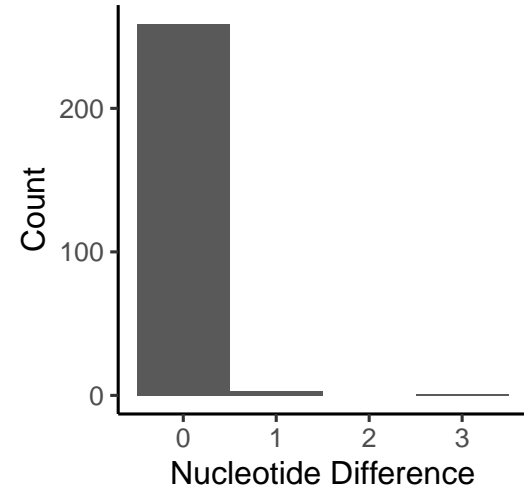
### TRBV4-3\*ap01

862 sequences assigned  
846 (98.1%) exact matches, in which:  
816 unique CDR3  
13 unique J



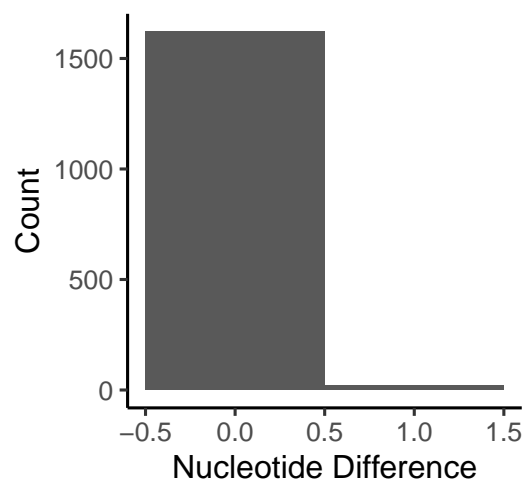
### TRBV5-3\*ap01

263 sequences assigned  
259 (98.5%) exact matches, in which:  
244 unique CDR3  
13 unique J



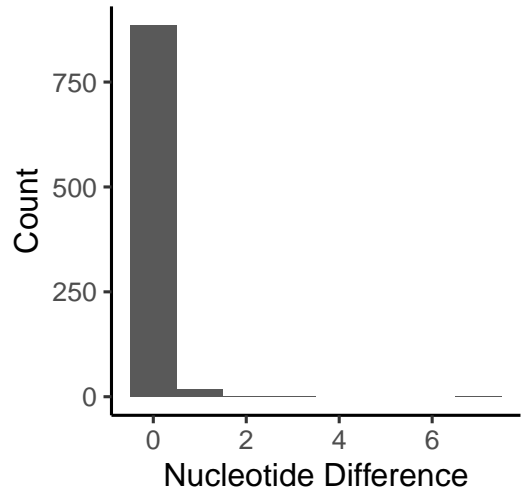
### TRBV4-1\*ap01

1641 sequences assigned  
1621 (98.8%) exact matches, in which:  
1545 unique CDR3  
13 unique J



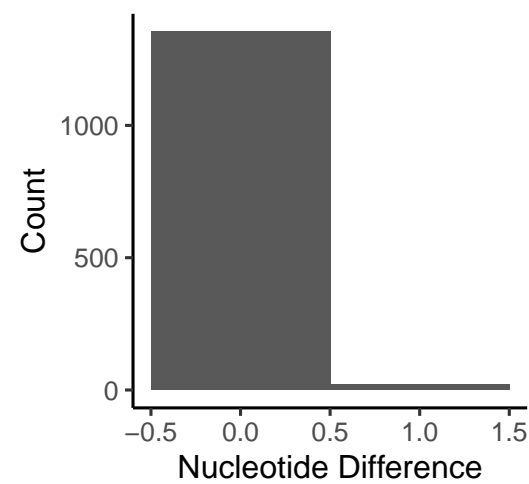
### TRBV25-1\*ap01

908 sequences assigned  
886 (97.6%) exact matches, in which:  
853 unique CDR3  
13 unique J



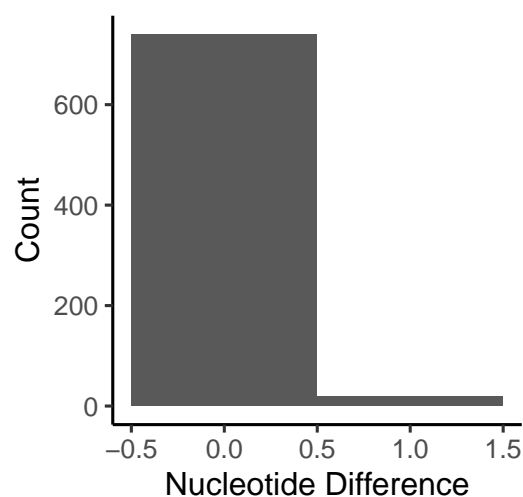
### TRBV5-4\*ap01

1375 sequences assigned  
1354 (98.5%) exact matches, in which:  
1310 unique CDR3  
13 unique J



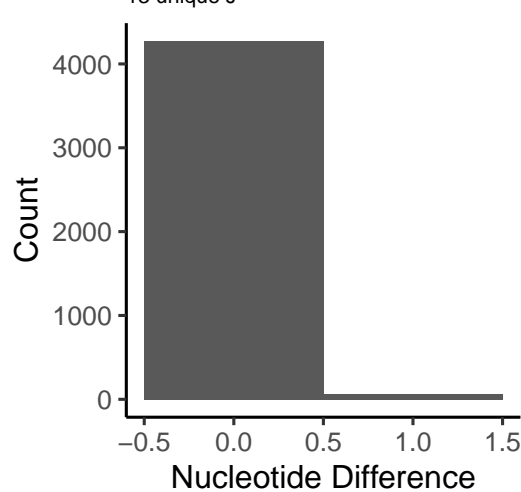
### TRBV4-2\*ap01

759 sequences assigned  
740 (97.5%) exact matches, in which:  
714 unique CDR3  
13 unique J



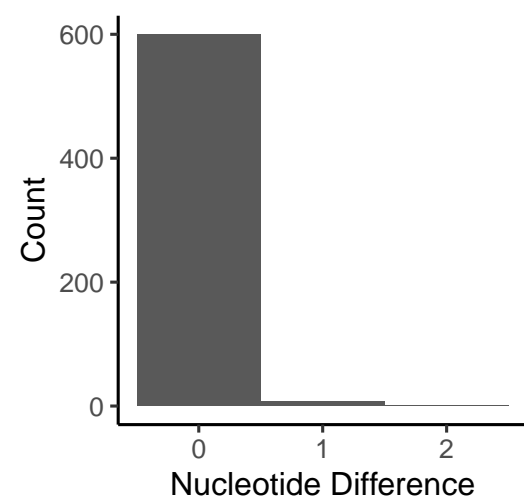
### TRBV5-1\*ap01

4333 sequences assigned  
4273 (98.6%) exact matches, in which:  
4082 unique CDR3  
13 unique J



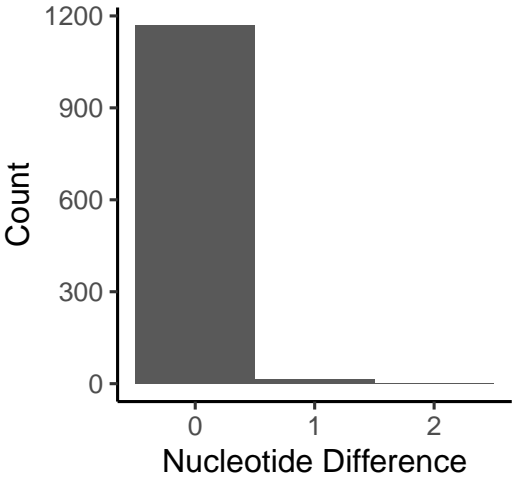
### TRBV5-5\*ap01

609 sequences assigned  
600 (98.5%) exact matches, in which:  
589 unique CDR3  
13 unique J



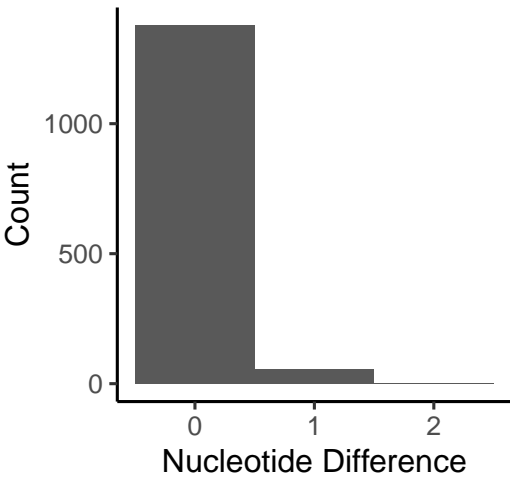
TRBV5-6\*ap01

1186 sequences assigned  
1169 (98.6%) exact matches, in which:  
1122 unique CDR3  
13 unique J



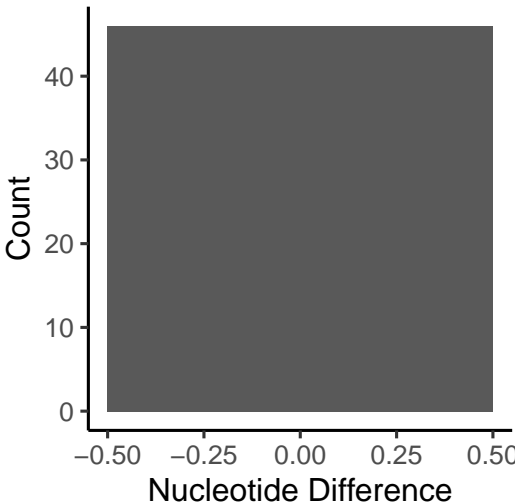
TRBV6-1\*ap01

1433 sequences assigned  
1378 (96.2%) exact matches, in which:  
1306 unique CDR3  
13 unique J



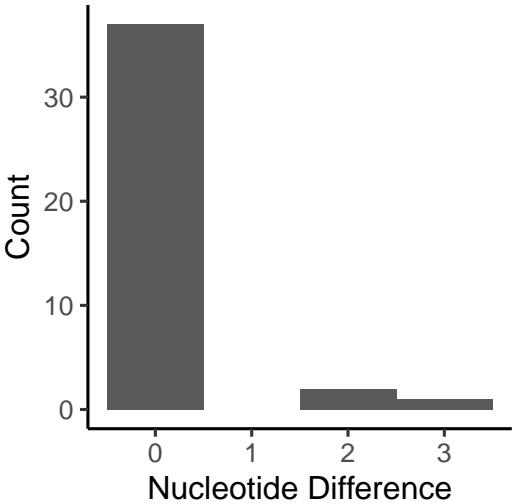
TRBV6-8\*ap01

46 sequences assigned  
46 (100%) exact matches, in which:  
43 unique CDR3  
12 unique J



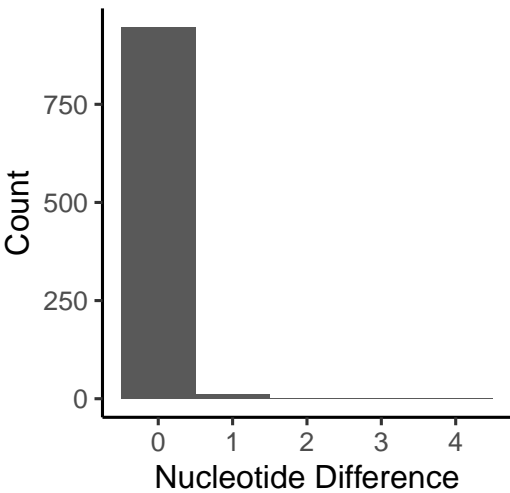
TRBV5-7\*ap01

40 sequences assigned  
37 (92.5%) exact matches, in which:  
36 unique CDR3  
11 unique J



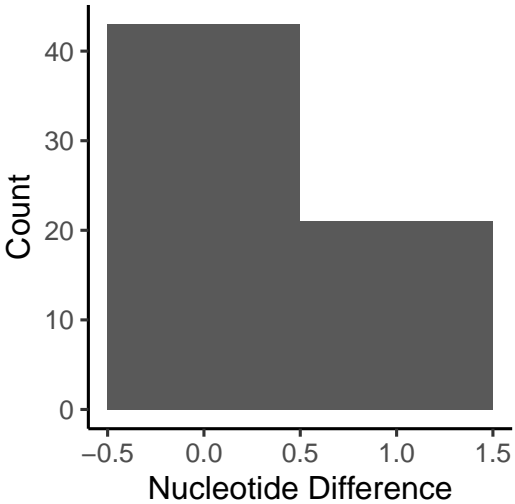
TRBV6-4\*ap01

963 sequences assigned  
947 (98.3%) exact matches, in which:  
913 unique CDR3  
13 unique J



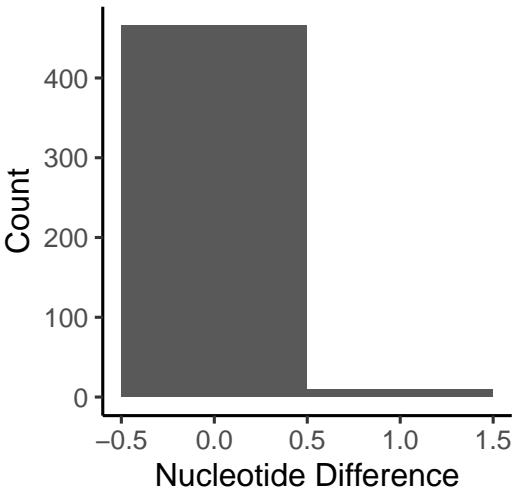
TRBV6-9\*ap01

64 sequences assigned  
43 (67.2%) exact matches, in which:  
41 unique CDR3  
11 unique J



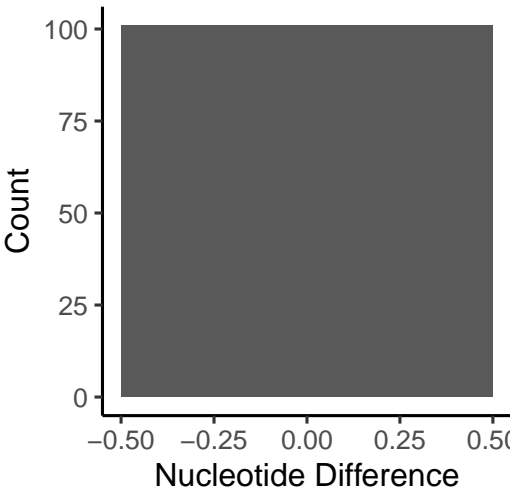
TRBV5-8\*ap01

475 sequences assigned  
466 (98.1%) exact matches, in which:  
450 unique CDR3  
13 unique J



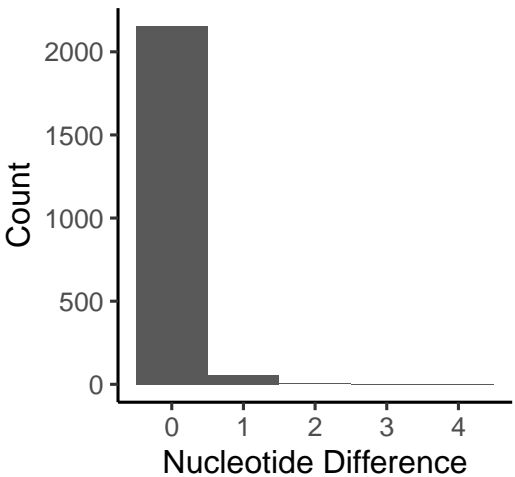
TRBV6-7\*ap01

101 sequences assigned  
101 (100%) exact matches, in which:  
98 unique CDR3  
11 unique J



TRBV6-23\*ap01

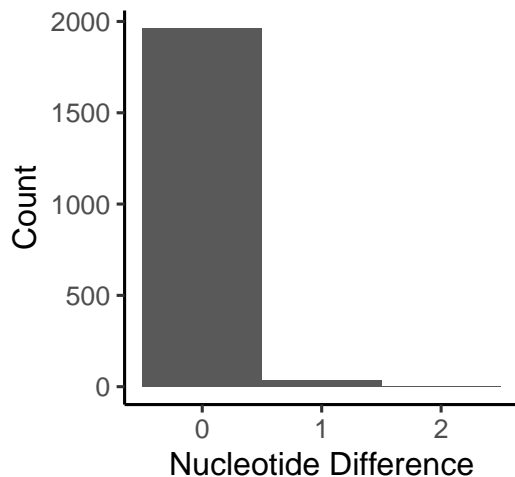
2220 sequences assigned  
2155 (97.1%) exact matches, in which:  
2058 unique CDR3  
13 unique J





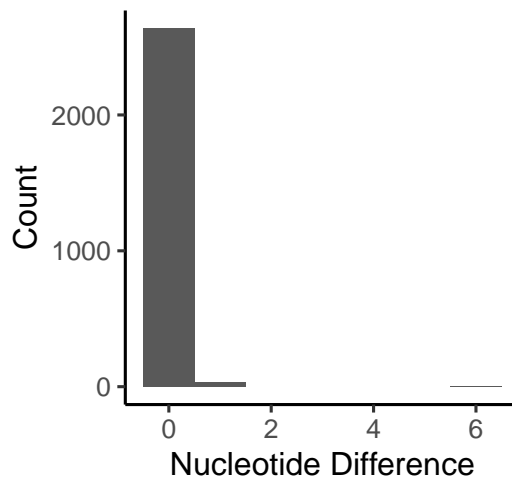
### TRBV6-56\*ap01

1996 sequences assigned  
1962 (98.3%) exact matches, in which:  
1886 unique CDR3  
13 unique J



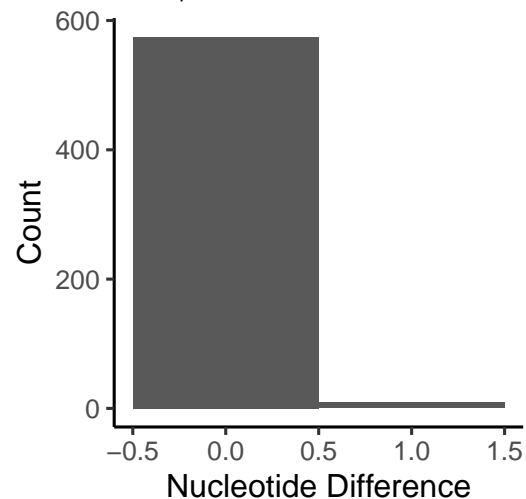
### TRBV7-2\*ap01

2671 sequences assigned  
2637 (98.7%) exact matches, in which:  
2555 unique CDR3  
13 unique J



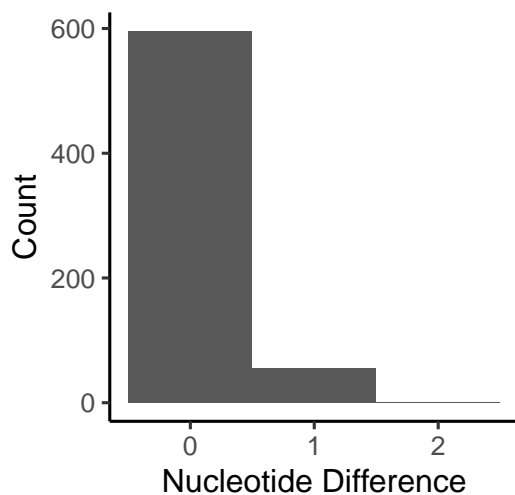
### TRBV7-6\*ap01

584 sequences assigned  
575 (98.5%) exact matches, in which:  
555 unique CDR3  
13 unique J



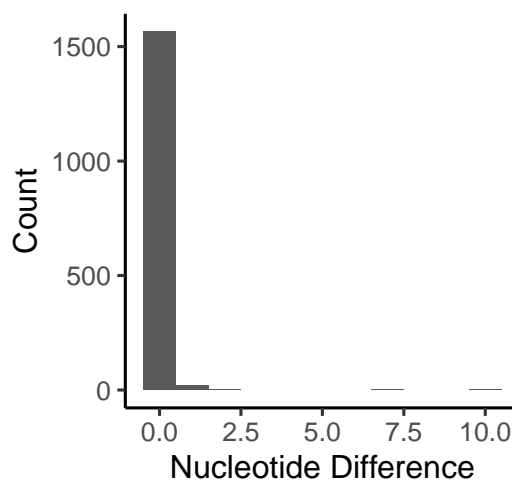
### TRBV6-56\*ap02

652 sequences assigned  
596 (91.4%) exact matches, in which:  
568 unique CDR3  
13 unique J



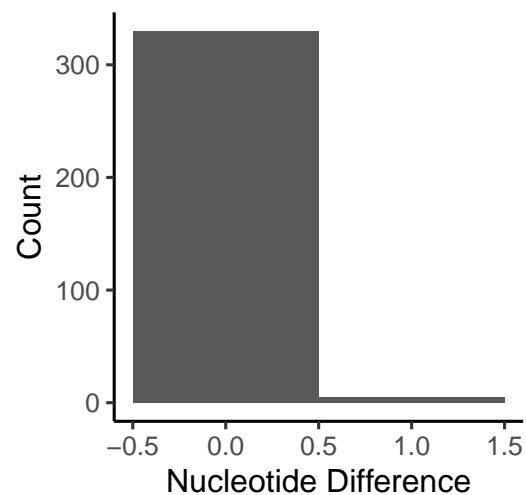
### TRBV7-3\*ap01

1590 sequences assigned  
1565 (98.4%) exact matches, in which:  
1507 unique CDR3  
13 unique J



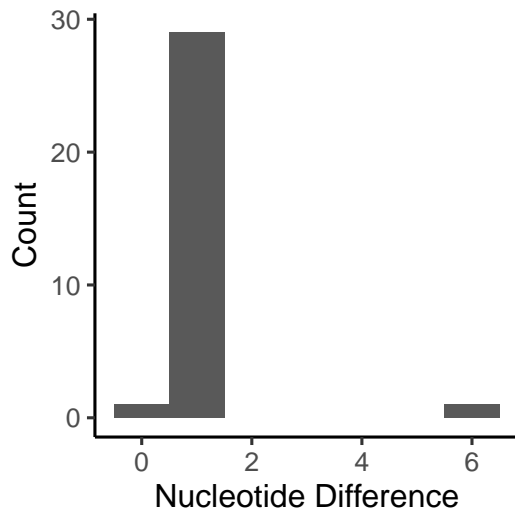
### TRBV7-7\*ap01\_C315T

335 sequences assigned  
330 (98.5%) exact matches, in which:  
320 unique CDR3  
13 unique J



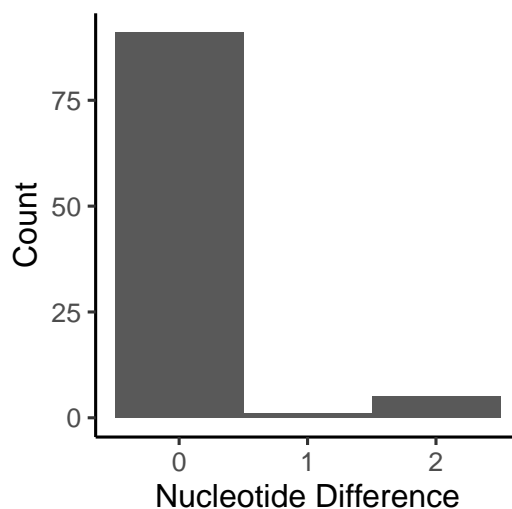
### TRBV7-1\*ap01\_T296C

31 sequences assigned  
1 (3.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



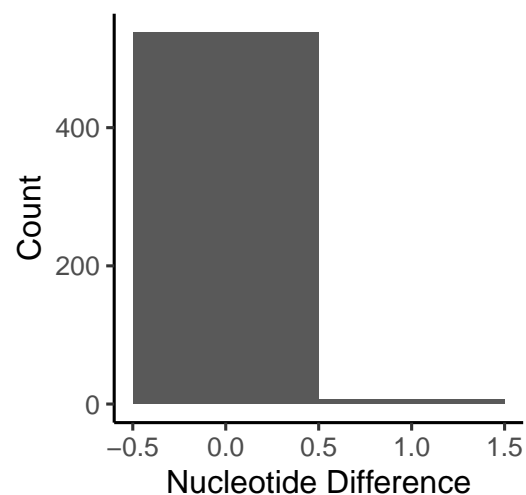
### TRBV7-4\*ap01

97 sequences assigned  
91 (93.8%) exact matches, in which:  
85 unique CDR3  
12 unique J



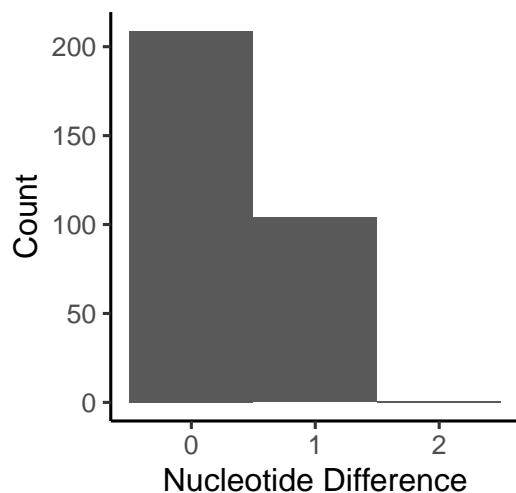
### TRBV7-8\*ap01

545 sequences assigned  
538 (98.7%) exact matches, in which:  
525 unique CDR3  
13 unique J



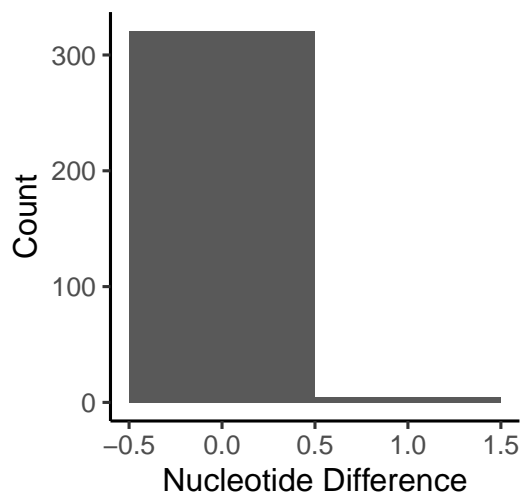
### TRBV7–8\*ap03

314 sequences assigned  
209 (66.6%) exact matches, in which:  
203 unique CDR3  
13 unique J



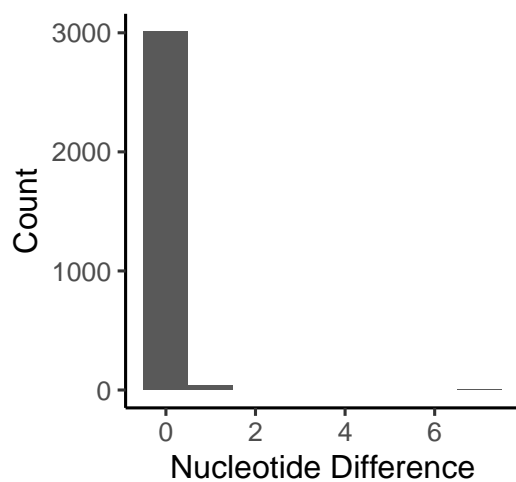
### TRBV29–1\*ap02

326 sequences assigned  
321 (98.5%) exact matches, in which:  
311 unique CDR3  
13 unique J



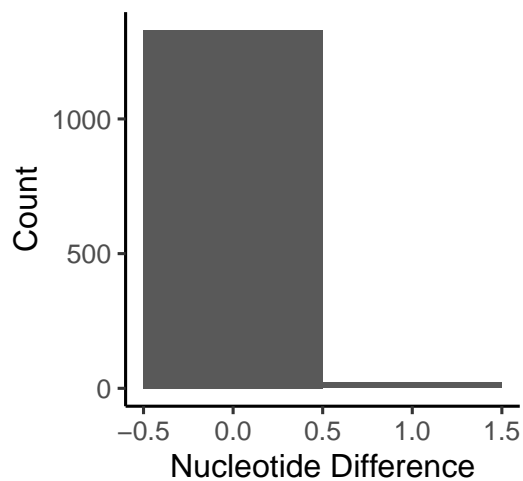
### TRBV7–9\*ap01

3046 sequences assigned  
3009 (98.8%) exact matches, in which:  
2880 unique CDR3  
13 unique J

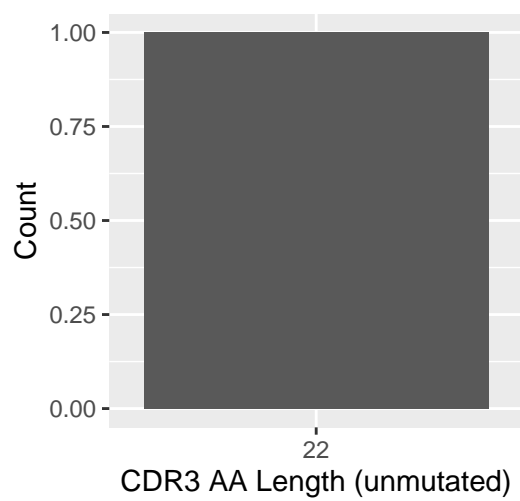


### TRBV29–1\*ap01

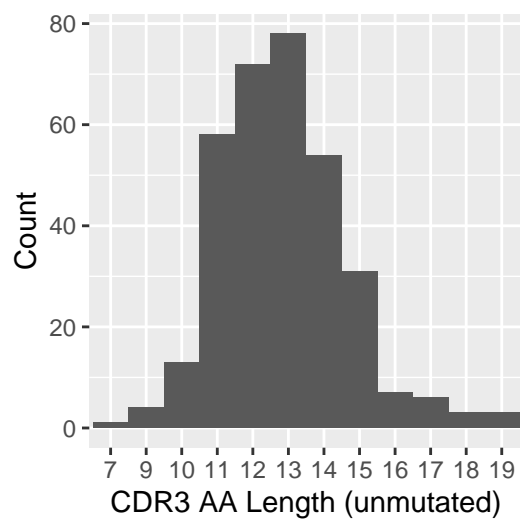
1351 sequences assigned  
1330 (98.4%) exact matches, in which:  
1275 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.