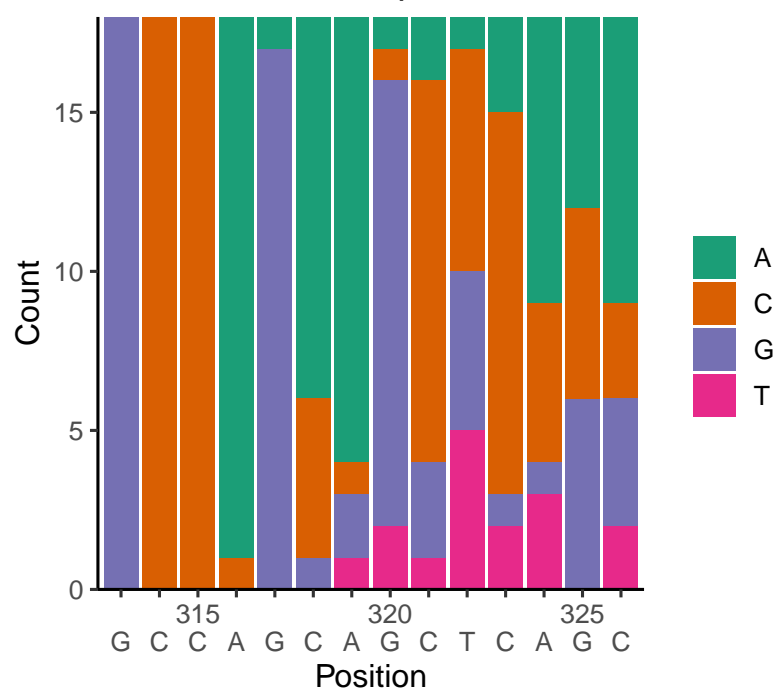
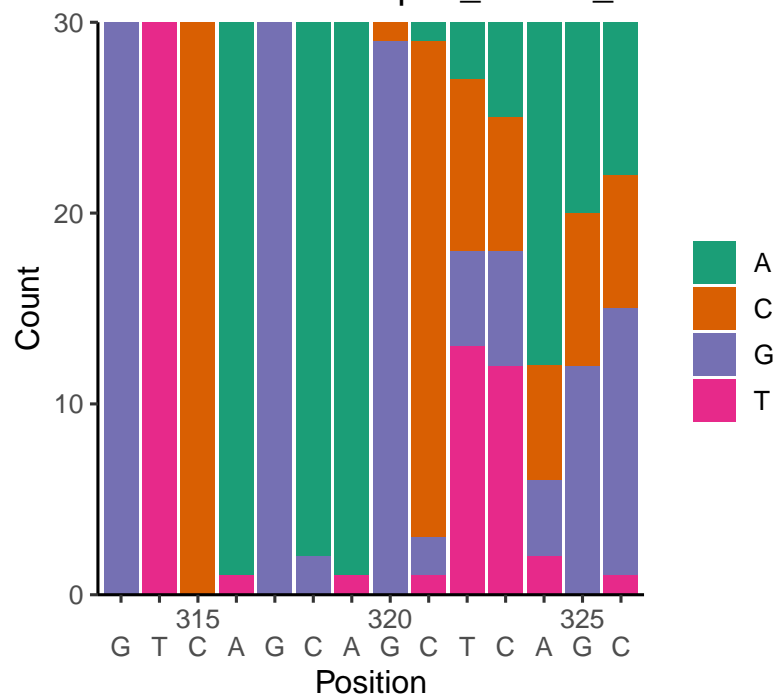


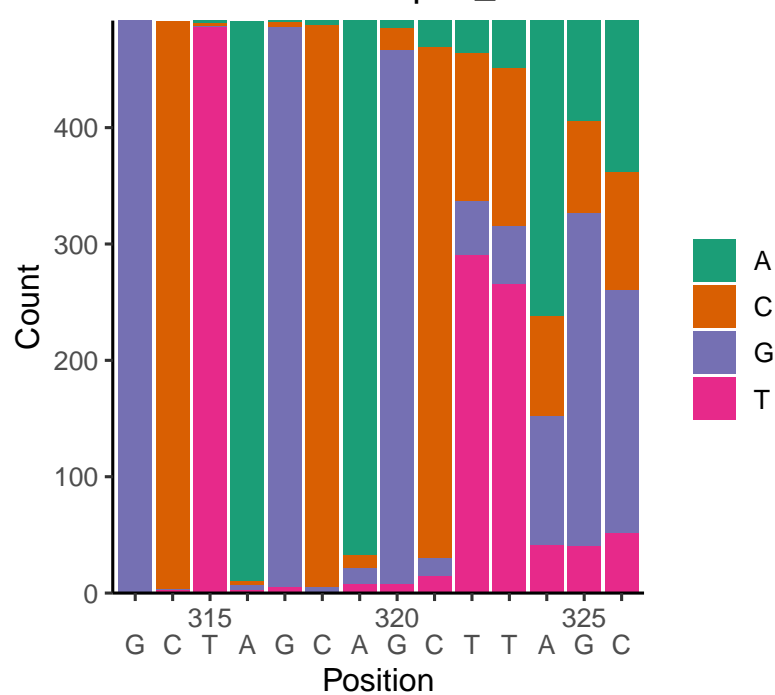
Gene TRBV7-1\*ap01\_T296C



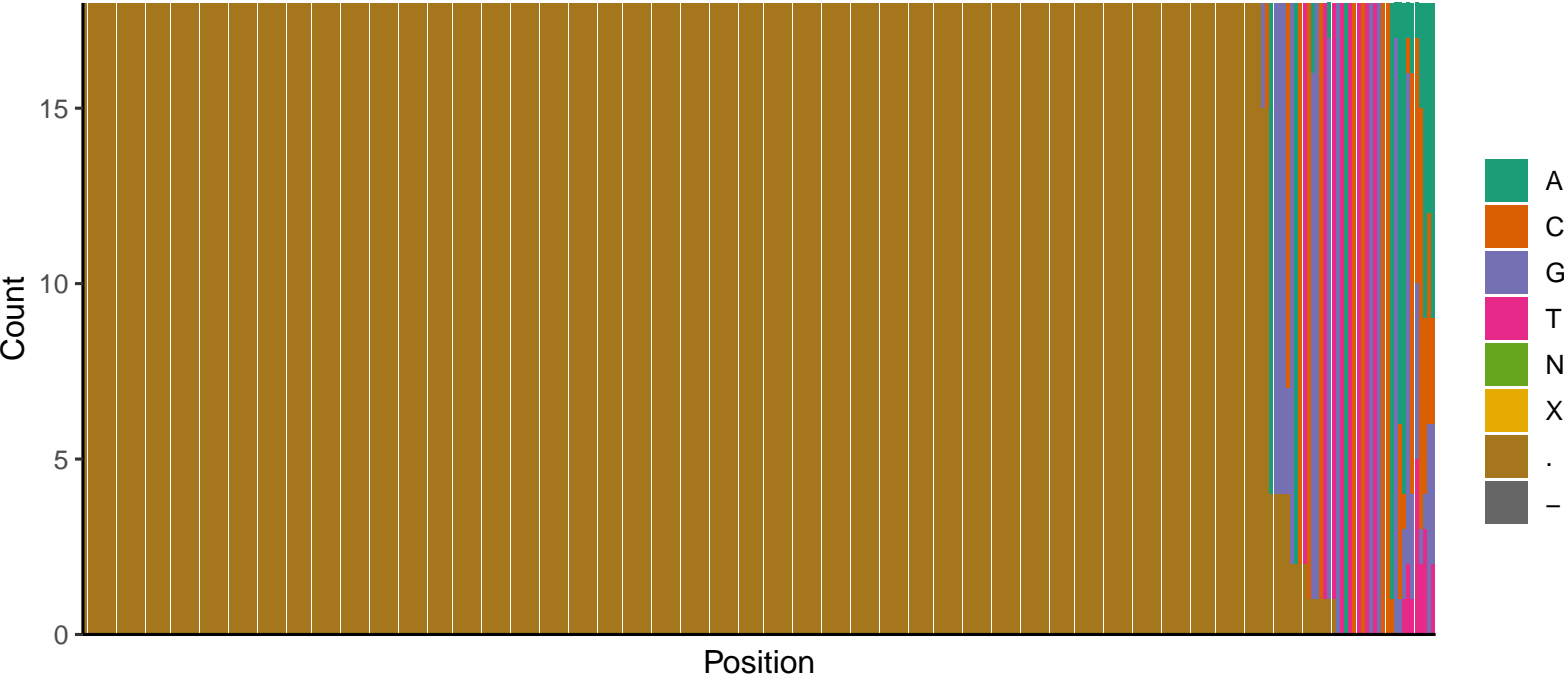
Gene TRBV7-1\*ap01\_T296C\_C314T



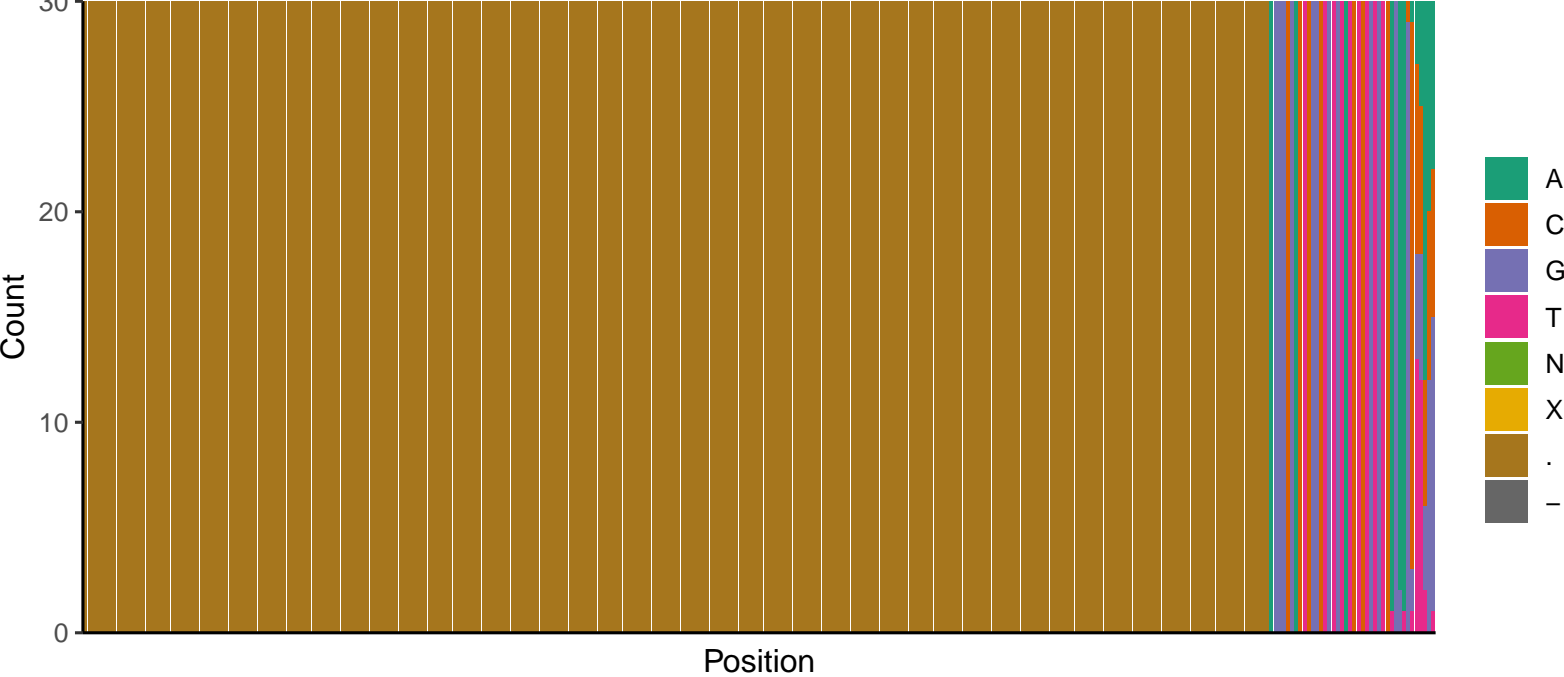
Gene TRBV7-7\*ap01\_C315T



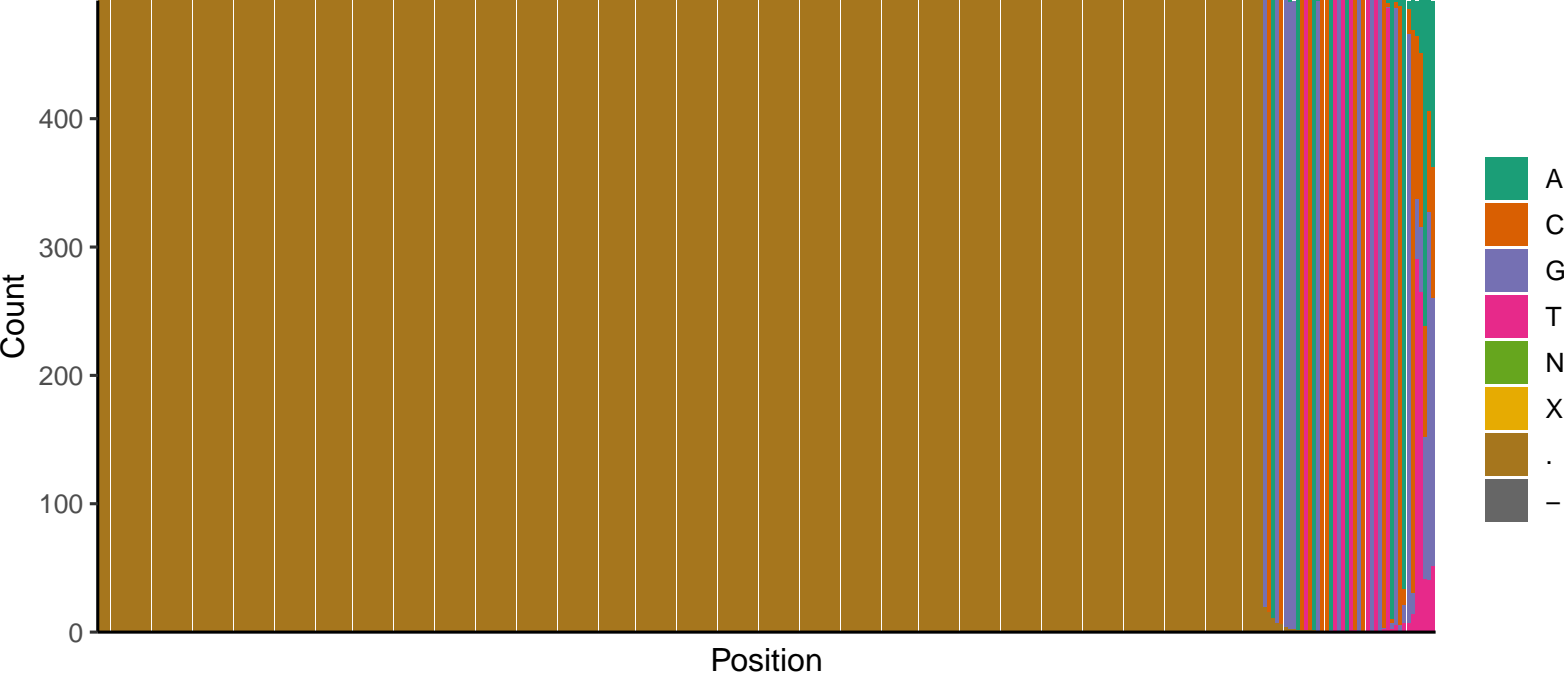
Gene TRBV7-1\*ap01\_T296C



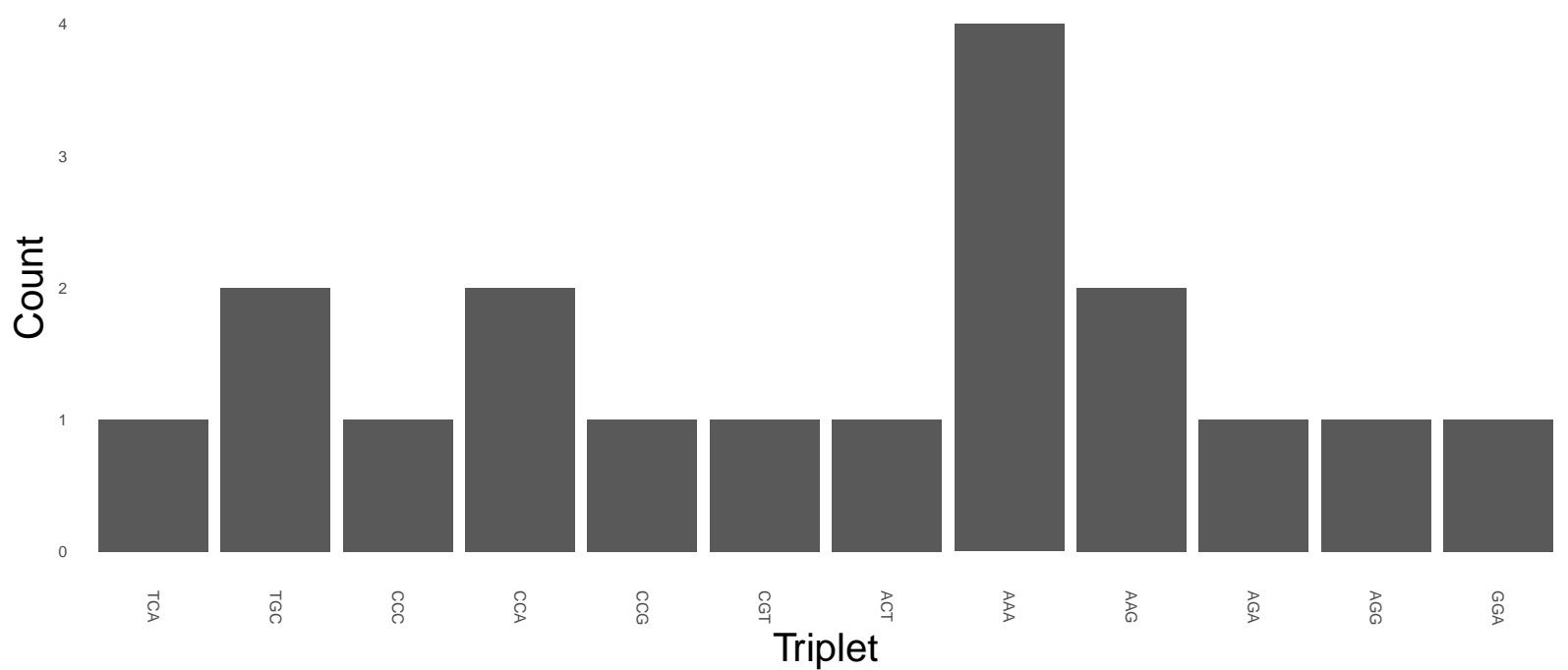
Gene TRBV7-1\*ap01\_T296C\_C314T



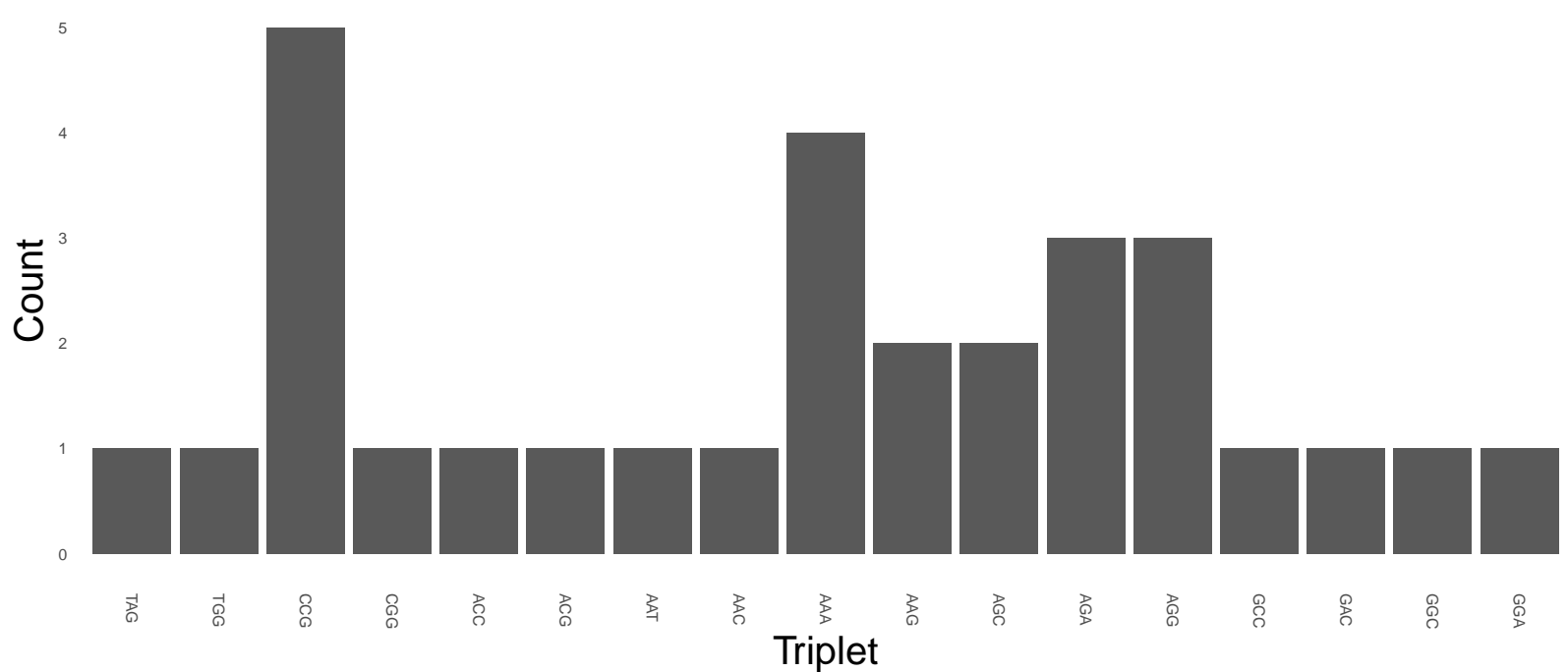
Gene TRBV7-7\*ap01\_C315T



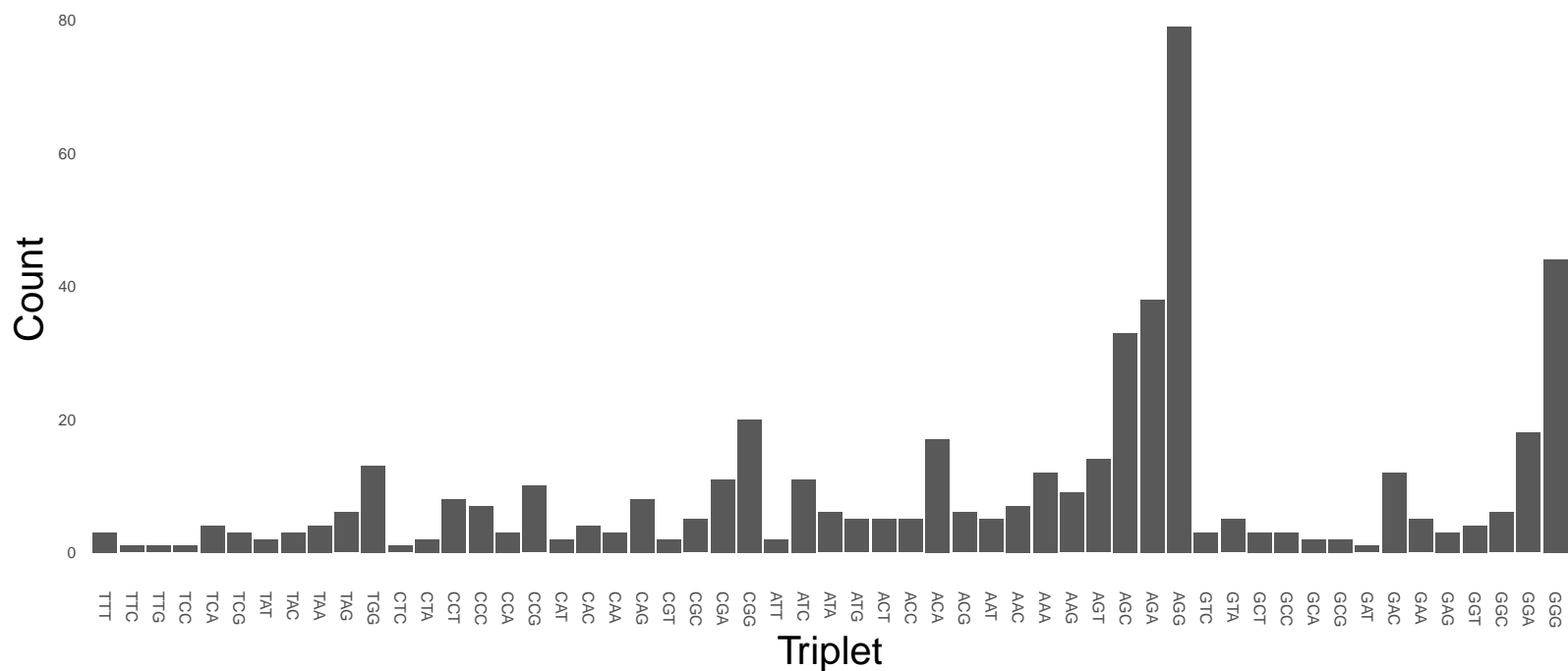
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



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

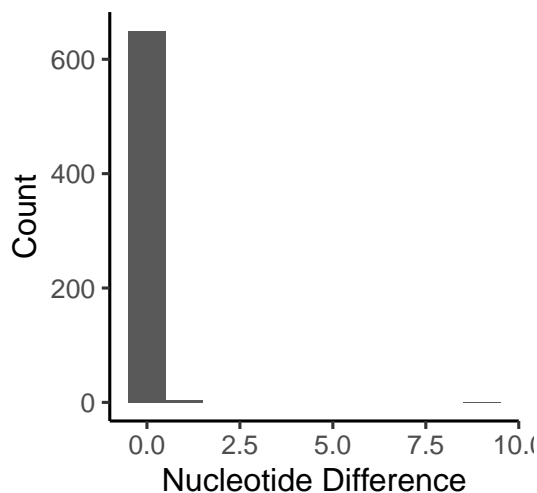


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



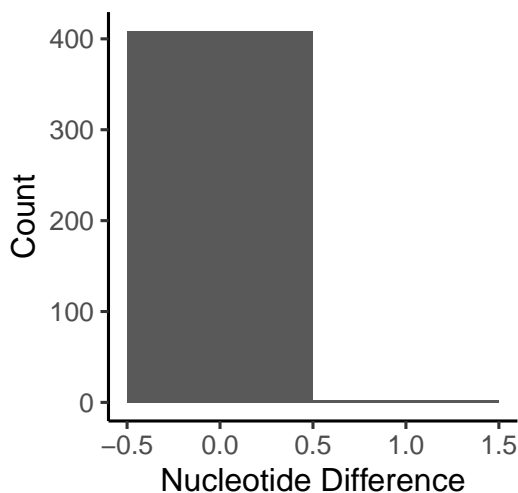
### TRBV10–1\*ap01

655 sequences assigned  
650 (99.2%) exact matches, in which:  
645 unique CDR3  
13 unique J



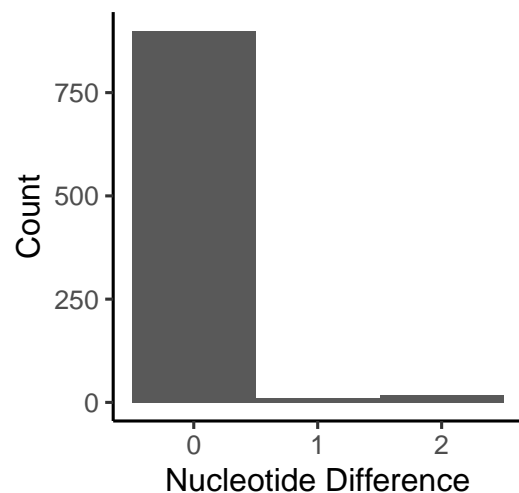
### TRBV10–2\*ap01

412 sequences assigned  
409 (99.3%) exact matches, in which:  
408 unique CDR3  
13 unique J



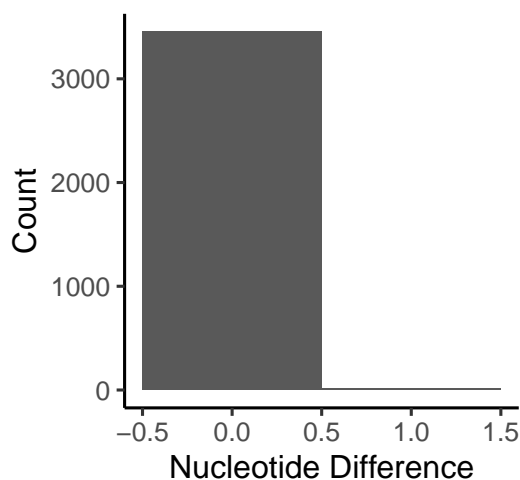
### TRBV13\*ap01

927 sequences assigned  
900 (97.1%) exact matches, in which:  
891 unique CDR3  
13 unique J



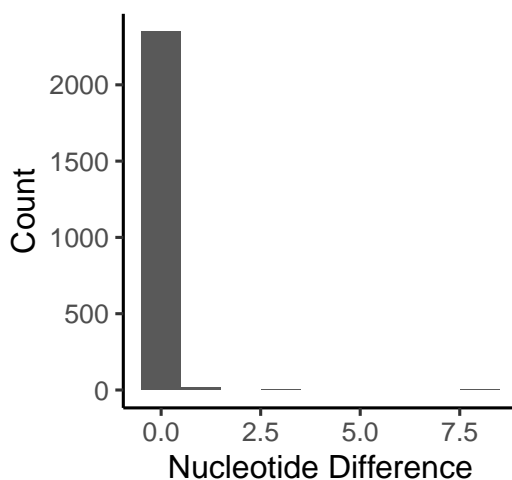
### TRBV20–1\*ap01

3472 sequences assigned  
3454 (99.5%) exact matches, in which:  
3451 unique CDR3  
13 unique J



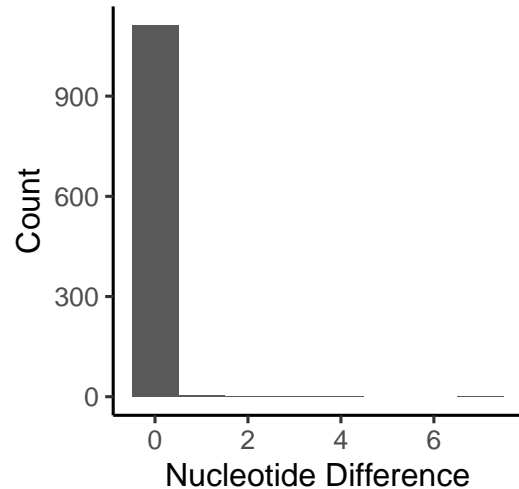
### TRBV10–3\*ap01

2364 sequences assigned  
2348 (99.3%) exact matches, in which:  
2340 unique CDR3  
13 unique J



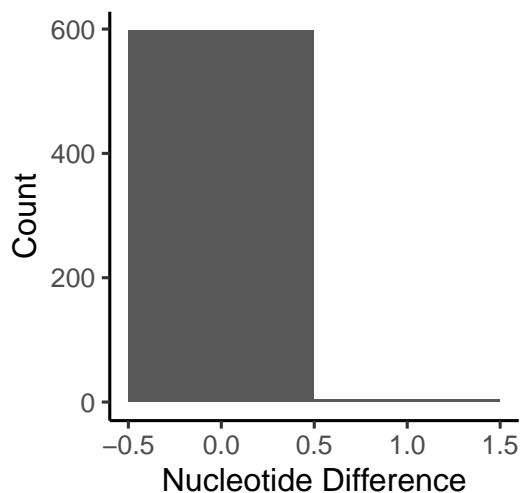
### TRBV14\*ap01

1122 sequences assigned  
1113 (99.2%) exact matches, in which:  
1111 unique CDR3  
13 unique J



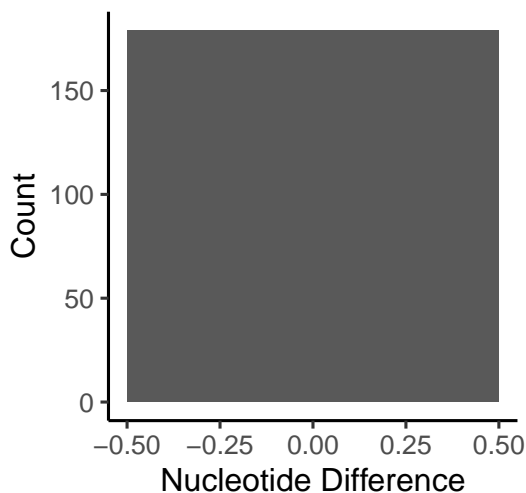
### TRBV20–1\*ap02

602 sequences assigned  
598 (99.3%) exact matches, in which:  
596 unique CDR3  
13 unique J



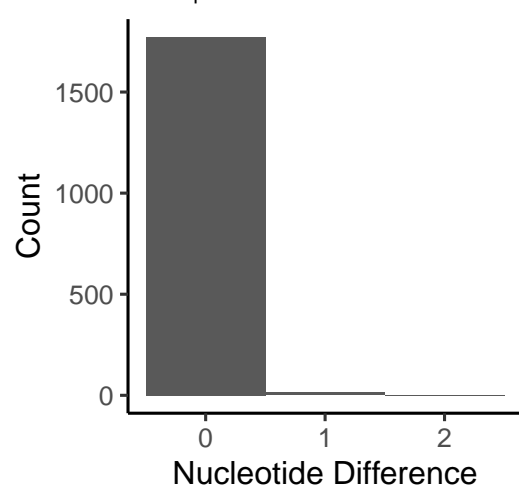
### TRBV1\*ap01

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



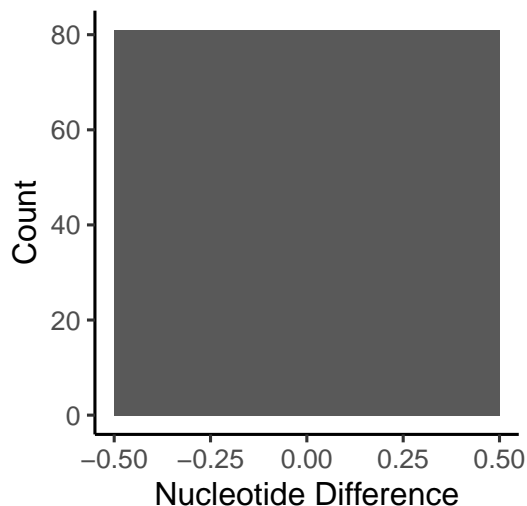
### TRBV15\*ap02

1787 sequences assigned  
1772 (99.2%) exact matches, in which:  
1767 unique CDR3  
13 unique J



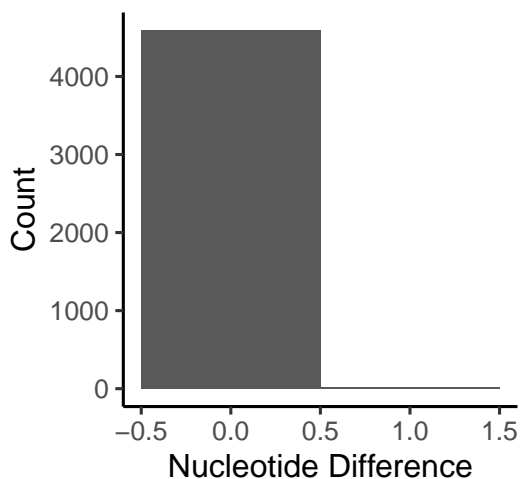
### TRBV16\*ap01

81 sequences assigned  
81 (100%) exact matches, in which:  
81 unique CDR3  
11 unique J



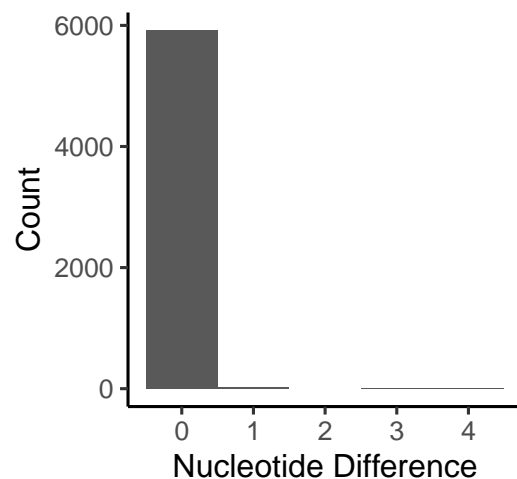
### TRBV19\*ap01

4610 sequences assigned  
4590 (99.6%) exact matches, in which:  
4584 unique CDR3  
13 unique J



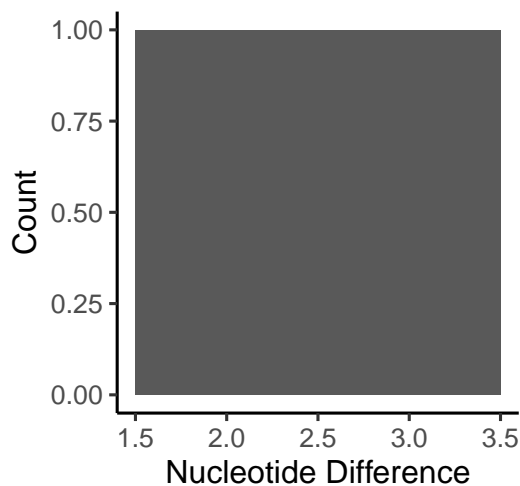
### TRBV28\*ap01

5942 sequences assigned  
5917 (99.6%) exact matches, in which:  
5892 unique CDR3  
13 unique J



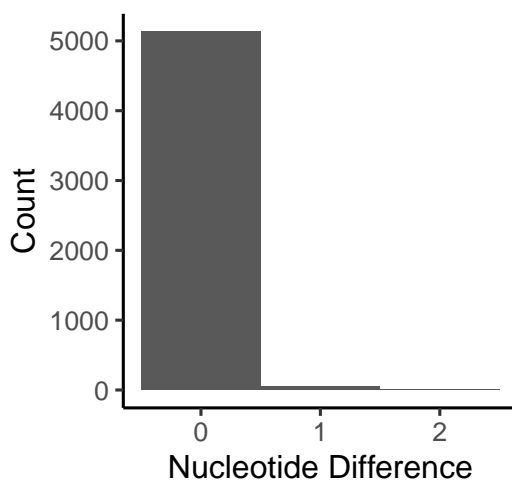
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



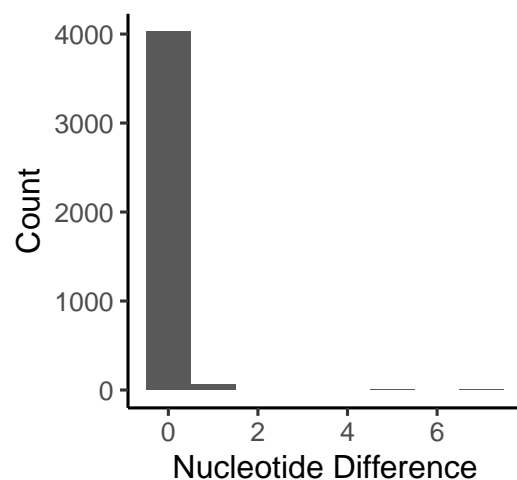
### TRBV2\*ap01

5181 sequences assigned  
5131 (99%) exact matches, in which:  
5098 unique CDR3  
13 unique J



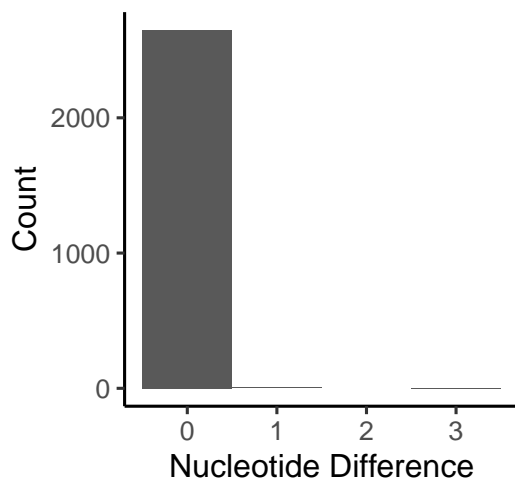
### TRBV30\*ap02

4087 sequences assigned  
4026 (98.5%) exact matches, in which:  
3980 unique CDR3  
13 unique J



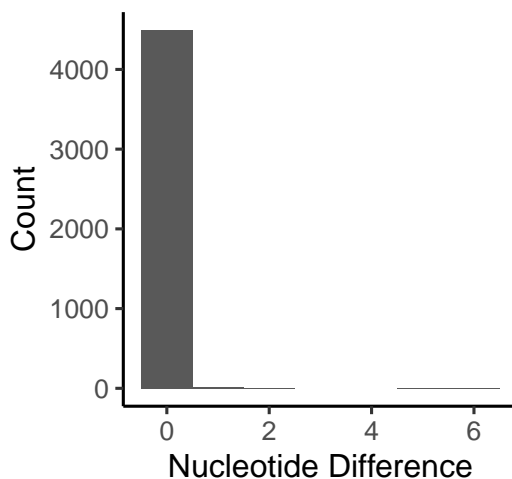
### TRBV18\*ap01

2658 sequences assigned  
2649 (99.7%) exact matches, in which:  
2646 unique CDR3  
13 unique J



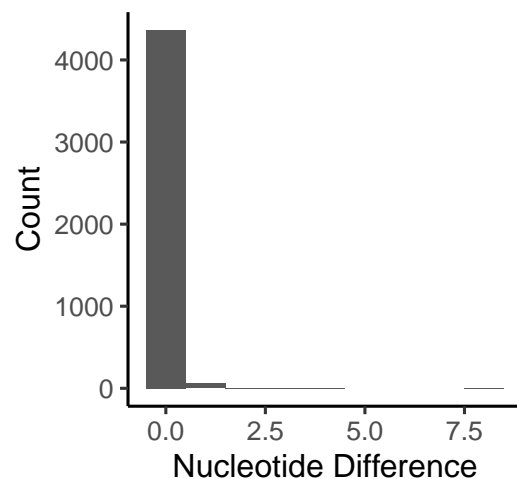
### TRBV27\*ap01

4520 sequences assigned  
4494 (99.4%) exact matches, in which:  
4472 unique CDR3  
13 unique J



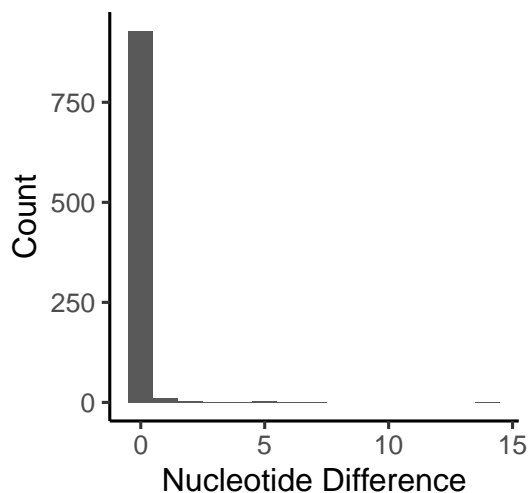
### TRBV9\*ap01

4432 sequences assigned  
4364 (98.5%) exact matches, in which:  
4341 unique CDR3  
13 unique J



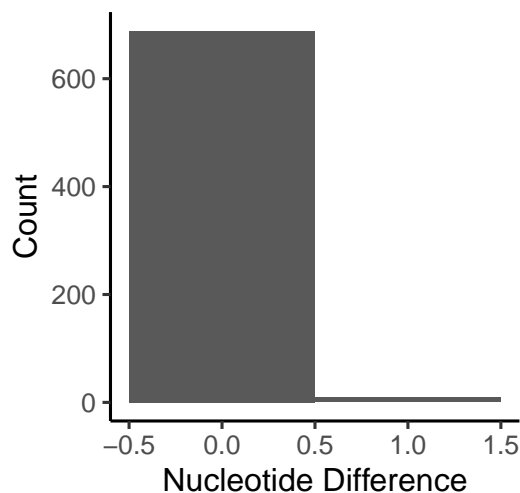
### TRBV21–1\*ap01

954 sequences assigned  
929 (97.4%) exact matches, in which:  
929 unique CDR3  
13 unique J



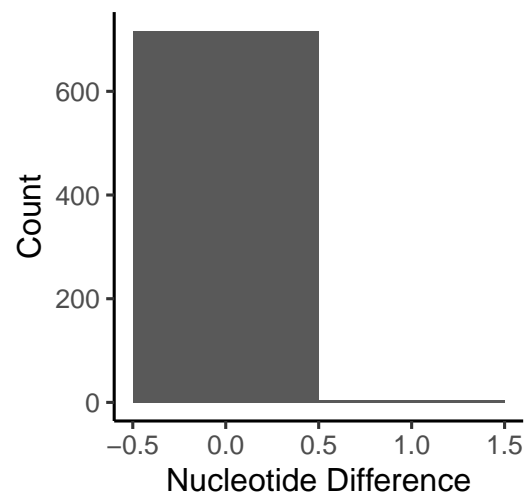
### TRBV11–3\*ap01

698 sequences assigned  
689 (98.7%) exact matches, in which:  
687 unique CDR3  
13 unique J



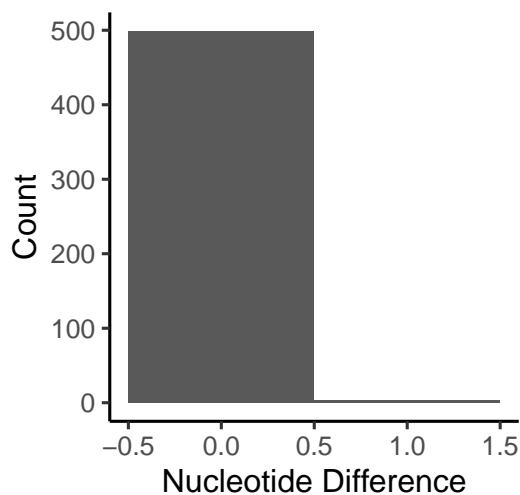
### TRBV12–5\*ap01

722 sequences assigned  
717 (99.3%) exact matches, in which:  
716 unique CDR3  
13 unique J



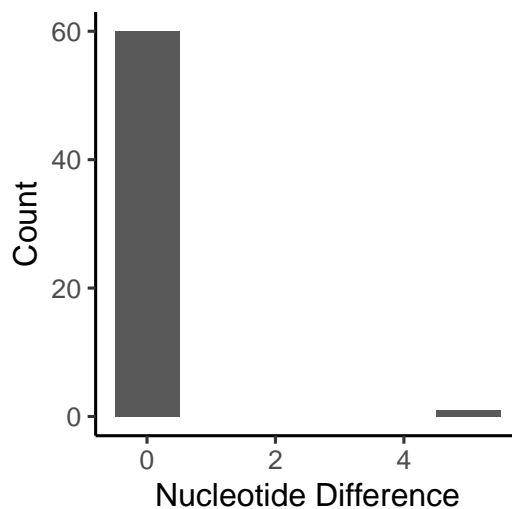
### TRBV11–1\*ap01

502 sequences assigned  
499 (99.4%) exact matches, in which:  
494 unique CDR3  
13 unique J



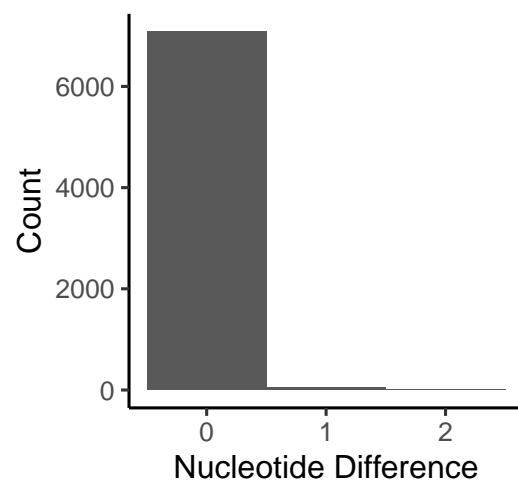
### TRBV12–1\*ap01

61 sequences assigned  
60 (98.4%) exact matches, in which:  
60 unique CDR3  
13 unique J



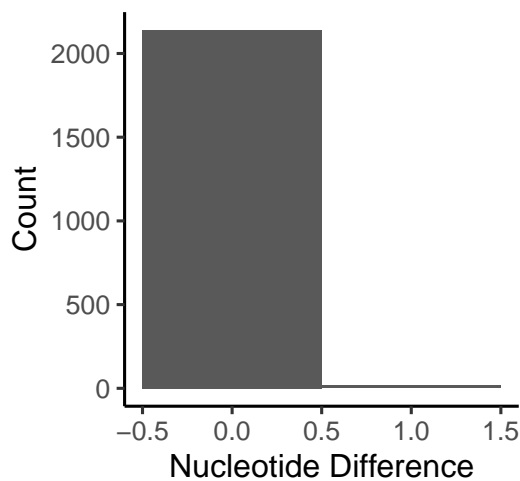
### TRBV12–34\*ap01

7131 sequences assigned  
7081 (99.3%) exact matches, in which:  
7044 unique CDR3  
13 unique J



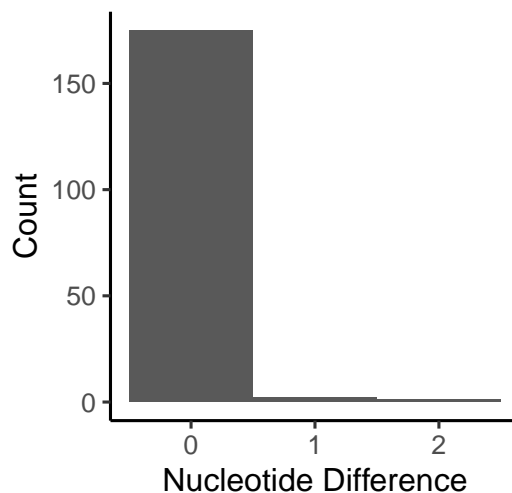
### TRBV11–2\*ap01

2157 sequences assigned  
2140 (99.2%) exact matches, in which:  
2132 unique CDR3  
13 unique J



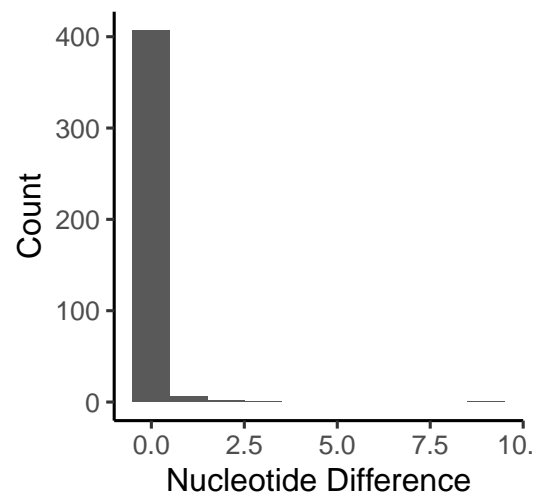
### TRBV12–2\*ap01

178 sequences assigned  
175 (98.3%) exact matches, in which:  
174 unique CDR3  
12 unique J



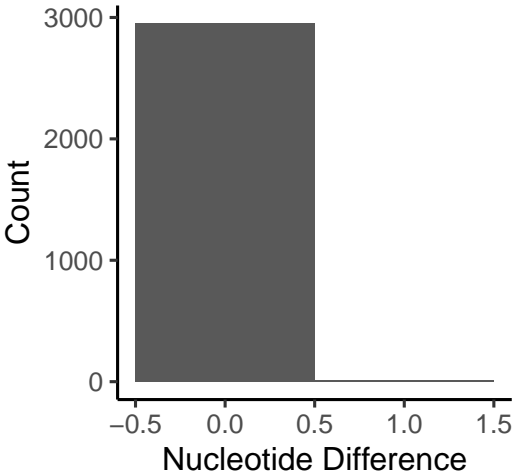
### TRBV23–1\*ap01

417 sequences assigned  
407 (97.6%) exact matches, in which:  
404 unique CDR3  
13 unique J



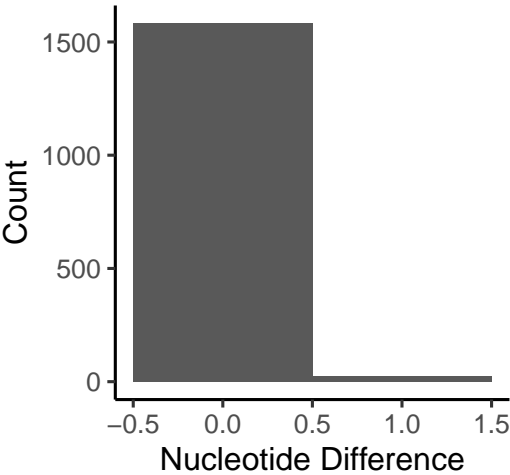
TRBV3-12\*ap01

2961 sequences assigned  
2951 (99.7%) exact matches, in which:  
2944 unique CDR3  
13 unique J



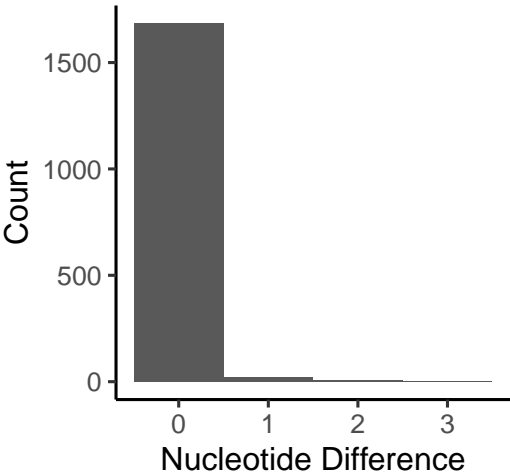
TRBV4-2\*ap01

1607 sequences assigned  
1582 (98.4%) exact matches, in which:  
1575 unique CDR3  
13 unique J



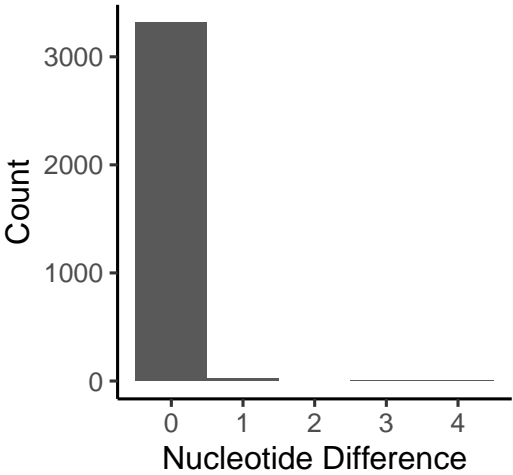
TRBV25-1\*ap01

1711 sequences assigned  
1684 (98.4%) exact matches, in which:  
1667 unique CDR3  
13 unique J



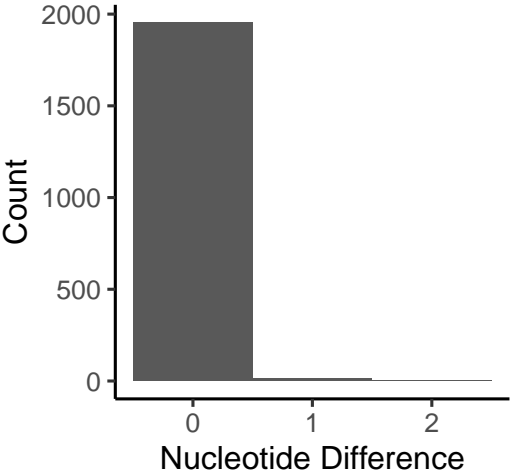
TRBV24-1\*ap01

3341 sequences assigned  
3315 (99.2%) exact matches, in which:  
3289 unique CDR3  
13 unique J



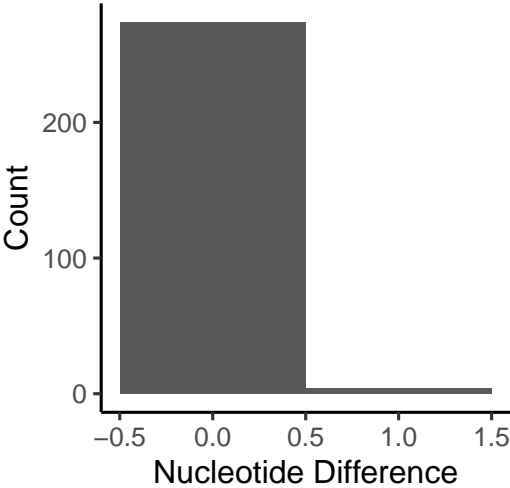
TRBV4-3\*ap01

1968 sequences assigned  
1953 (99.2%) exact matches, in which:  
1945 unique CDR3  
13 unique J



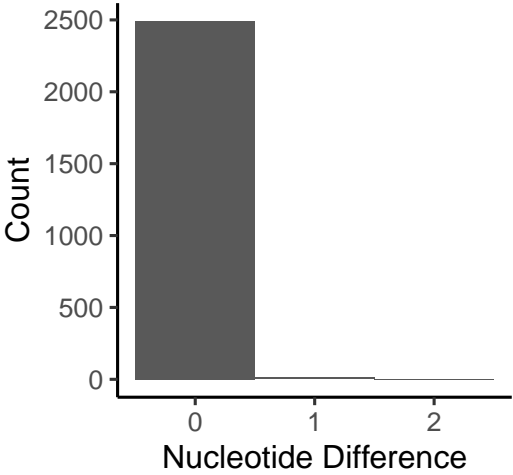
TRBV5-3\*ap01

278 sequences assigned  
274 (98.6%) exact matches, in which:  
273 unique CDR3  
13 unique J



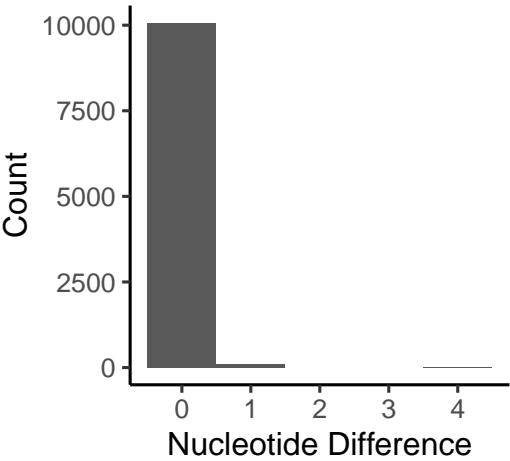
TRBV4-1\*ap01

2505 sequences assigned  
2492 (99.5%) exact matches, in which:  
2475 unique CDR3  
13 unique J



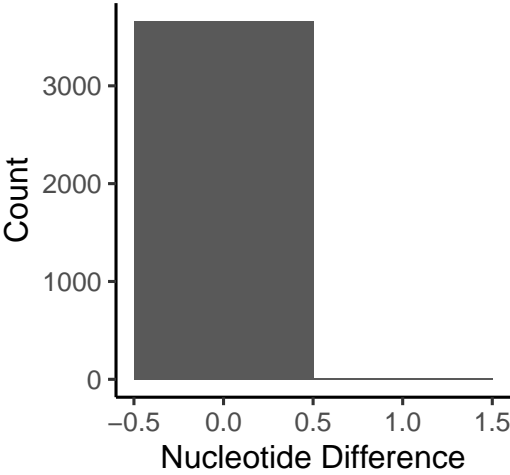
TRBV5-1\*ap01

10168 sequences assigned  
10070 (99%) exact matches, in which:  
10021 unique CDR3  
13 unique J



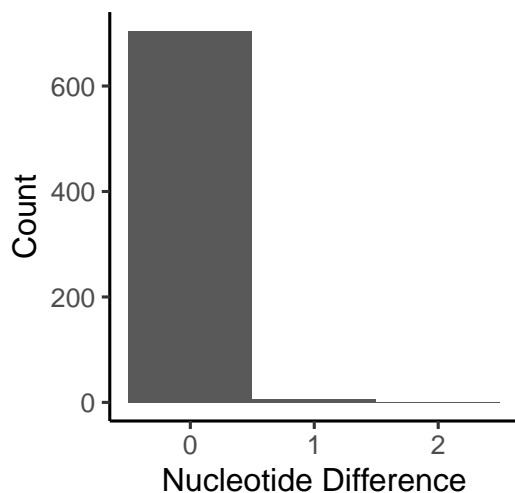
TRBV5-4\*ap01

3678 sequences assigned  
3662 (99.6%) exact matches, in which:  
3645 unique CDR3  
14 unique J



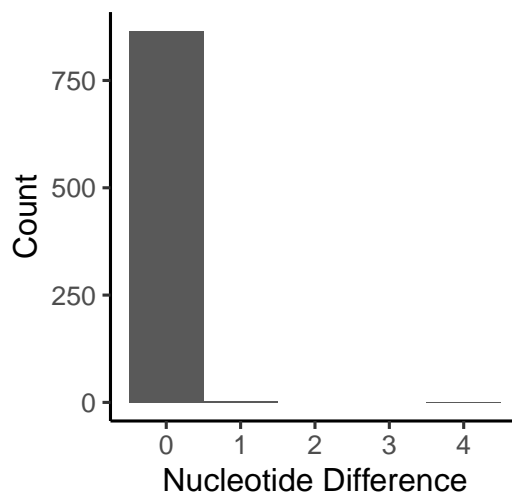
### TRBV5-5\*ap01

712 sequences assigned  
705 (99%) exact matches, in which:  
702 unique CDR3  
13 unique J



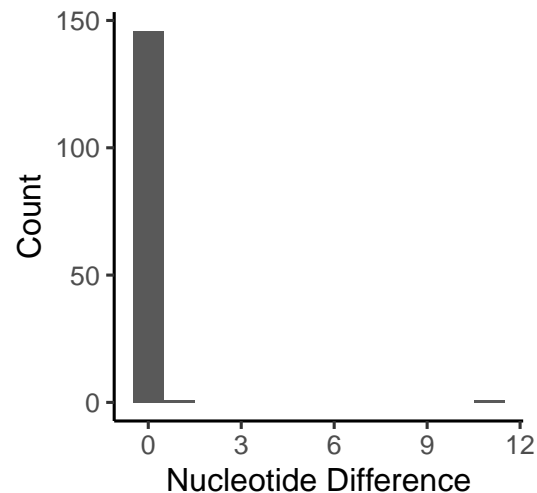
### TRBV5-8\*ap01

871 sequences assigned  
866 (99.4%) exact matches, in which:  
861 unique CDR3  
13 unique J



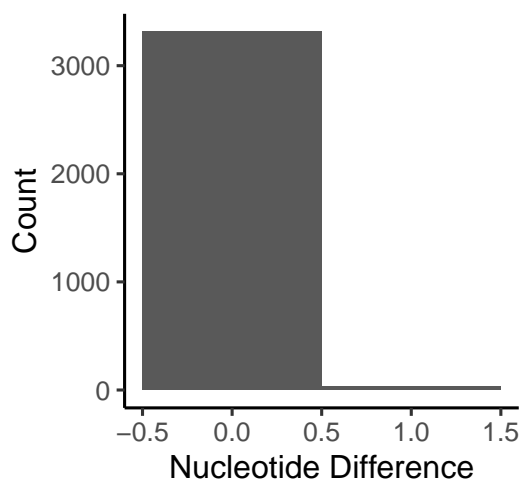
### TRBV6-7\*ap01

148 sequences assigned  
146 (98.6%) exact matches, in which:  
145 unique CDR3  
13 unique J



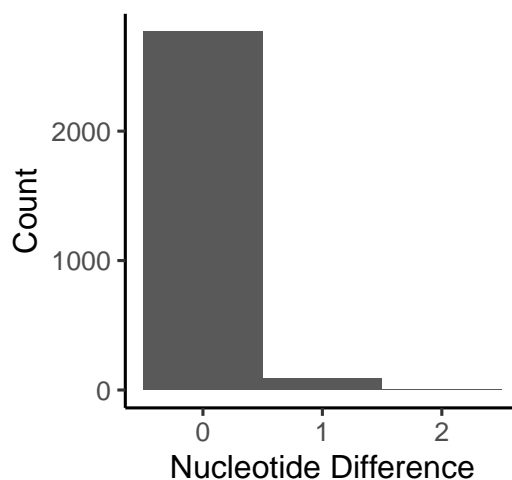
### TRBV5-6\*ap01

3347 sequences assigned  
3314 (99%) exact matches, in which:  
3298 unique CDR3  
13 unique J



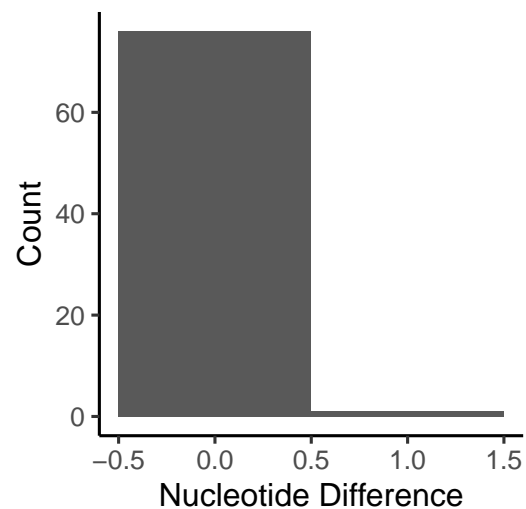
### TRBV6-1\*ap01

2859 sequences assigned  
2768 (96.8%) exact matches, in which:  
2749 unique CDR3  
13 unique J



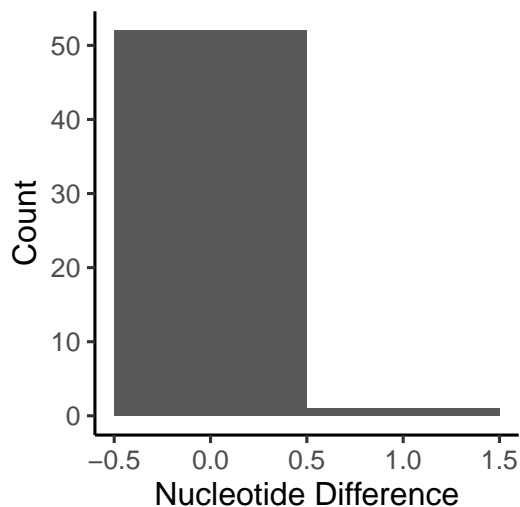
### TRBV6-8\*ap01

77 sequences assigned  
76 (98.7%) exact matches, in which:  
76 unique CDR3  
12 unique J



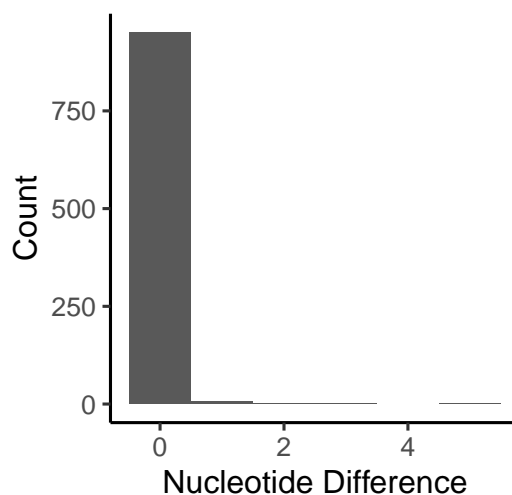
### TRBV5-7\*ap01

53 sequences assigned  
52 (98.1%) exact matches, in which:  
51 unique CDR3  
11 unique J



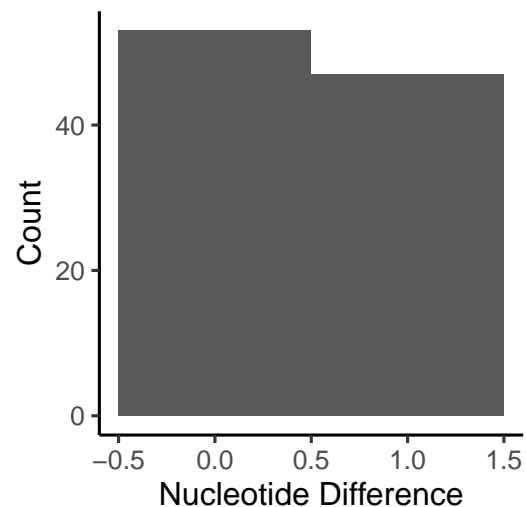
### TRBV6-4\*ap01

960 sequences assigned  
951 (99.1%) exact matches, in which:  
945 unique CDR3  
13 unique J



### TRBV6-9\*ap01

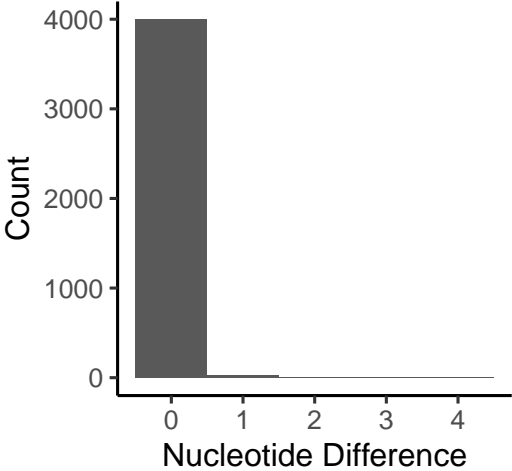
100 sequences assigned  
53 (53%) exact matches, in which:  
53 unique CDR3  
11 unique J





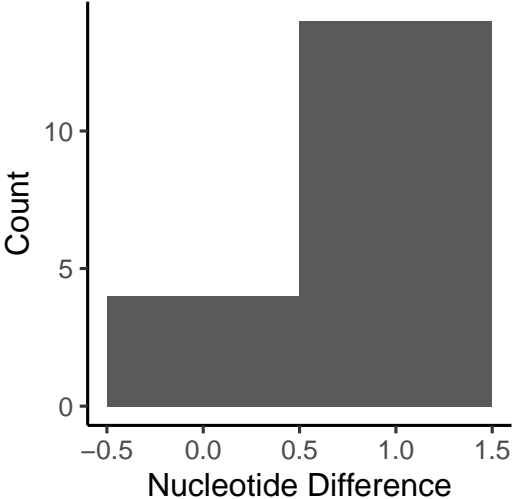
TRBV6-23\*ap01

4036 sequences assigned  
3998 (99.1%) exact matches, in which:  
3969 unique CDR3  
13 unique J



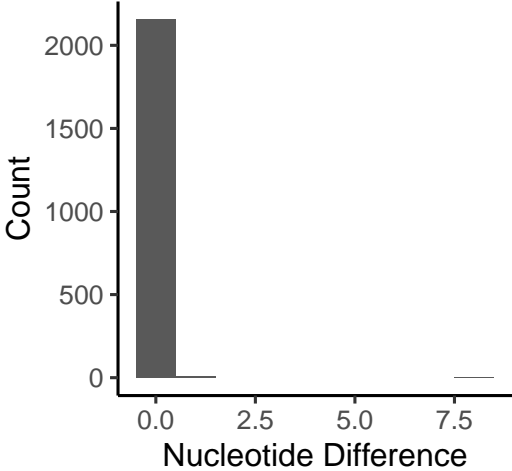
TRBV7-1\*ap01\_T296C

18 sequences assigned  
4 (22.2%) exact matches, in which:  
4 unique CDR3  
4 unique J



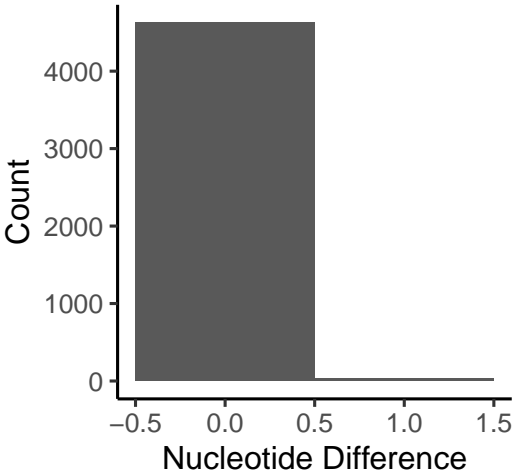
TRBV7-3\*ap01

2168 sequences assigned  
2156 (99.4%) exact matches, in which:  
2150 unique CDR3  
13 unique J



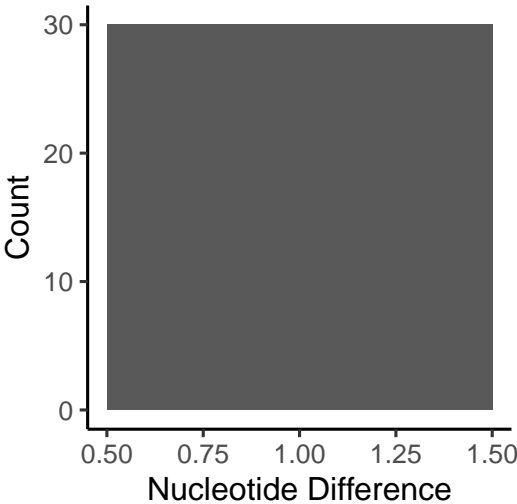
TRBV6-56\*ap01

4655 sequences assigned  
4625 (99.4%) exact matches, in which:  
4583 unique CDR3  
13 unique J



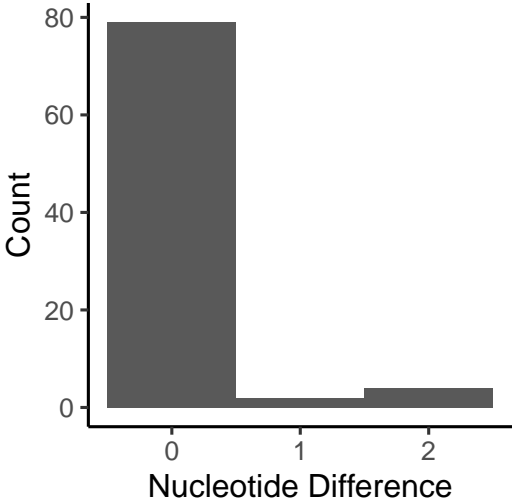
TRBV7-1\*ap01\_T296C\_C

30 sequences assigned  
No exact matches.



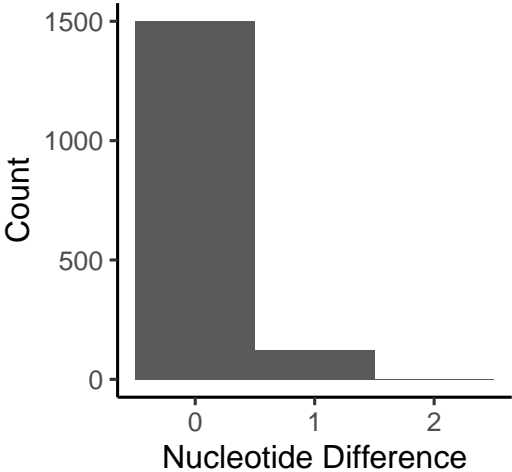
TRBV7-4\*ap01

85 sequences assigned  
79 (92.9%) exact matches, in which:  
77 unique CDR3  
11 unique J



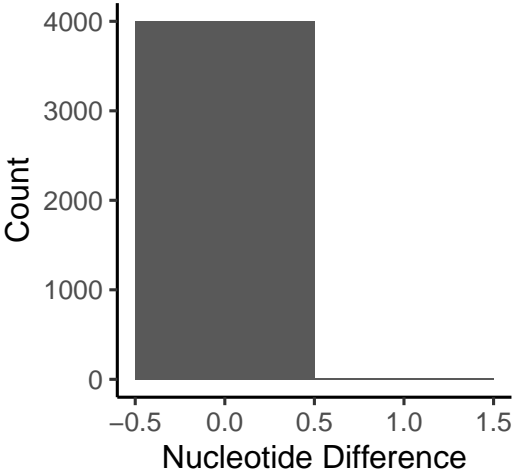
TRBV6-56\*ap02

1624 sequences assigned  
1501 (92.4%) exact matches, in which:  
1491 unique CDR3  
13 unique J



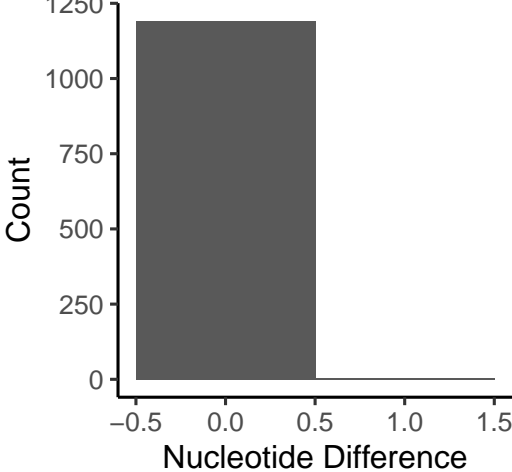
TRBV7-2\*ap01

4019 sequences assigned  
4003 (99.6%) exact matches, in which:  
3992 unique CDR3  
13 unique J



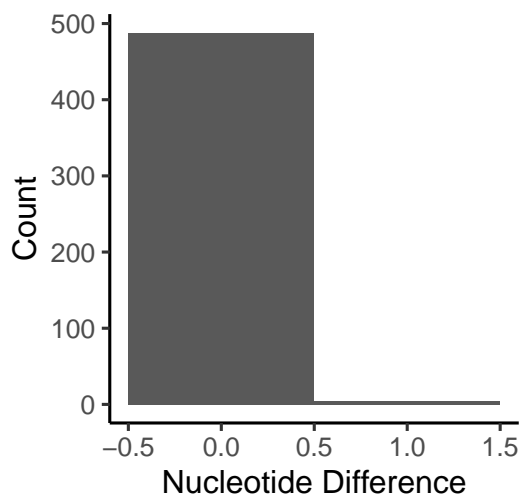
TRBV7-6\*ap01

1196 sequences assigned  
1191 (99.6%) exact matches, in which:  
1181 unique CDR3  
13 unique J



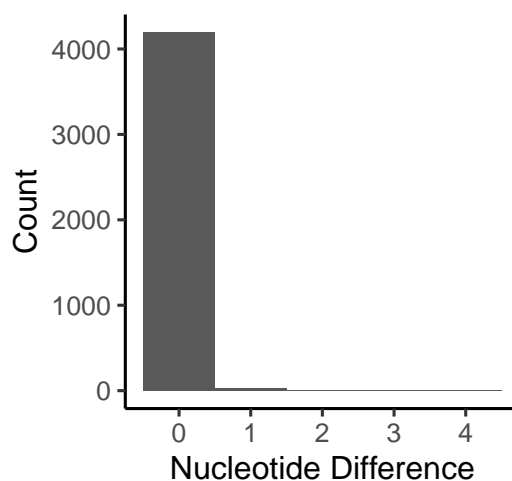
### TRBV7-7\*ap01\_C315T

492 sequences assigned  
488 (99.2%) exact matches, in which:  
486 unique CDR3  
13 unique J



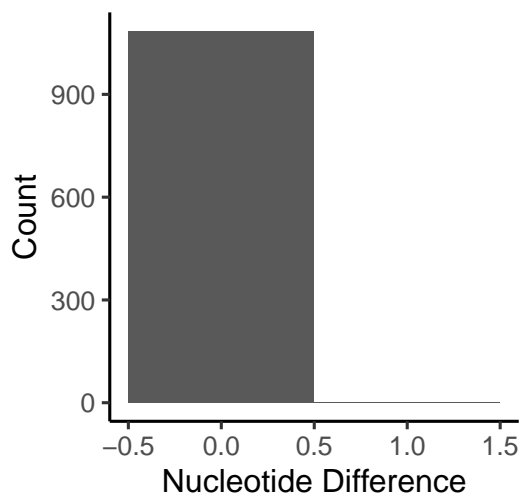
### TRBV7-9\*ap01

4228 sequences assigned  
4194 (99.2%) exact matches, in which:  
4179 unique CDR3  
13 unique J



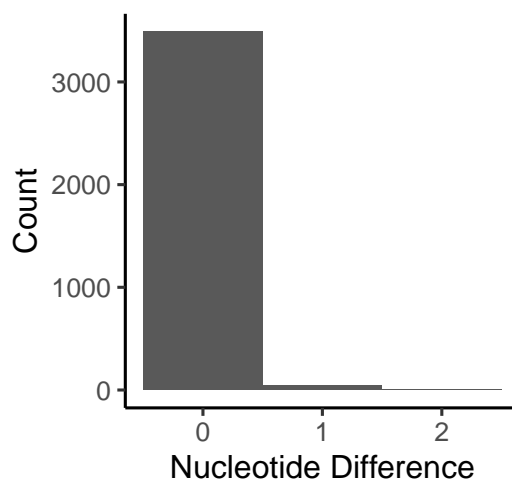
### TRBV7-8\*ap01

1087 sequences assigned  
1085 (99.8%) exact matches, in which:  
1082 unique CDR3  
13 unique J



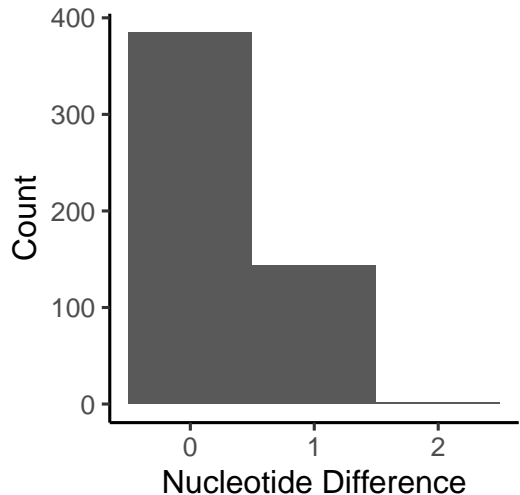
### TRBV29-1\*ap01

3533 sequences assigned  
3489 (98.8%) exact matches, in which:  
3455 unique CDR3  
13 unique J



### TRBV7-8\*ap03

530 sequences assigned  
385 (72.6%) exact matches, in which:  
383 unique CDR3  
13 unique J



### TRBV29-1\*ap02

736 sequences assigned  
732 (99.5%) exact matches, in which:  
718 unique CDR3  
13 unique J

