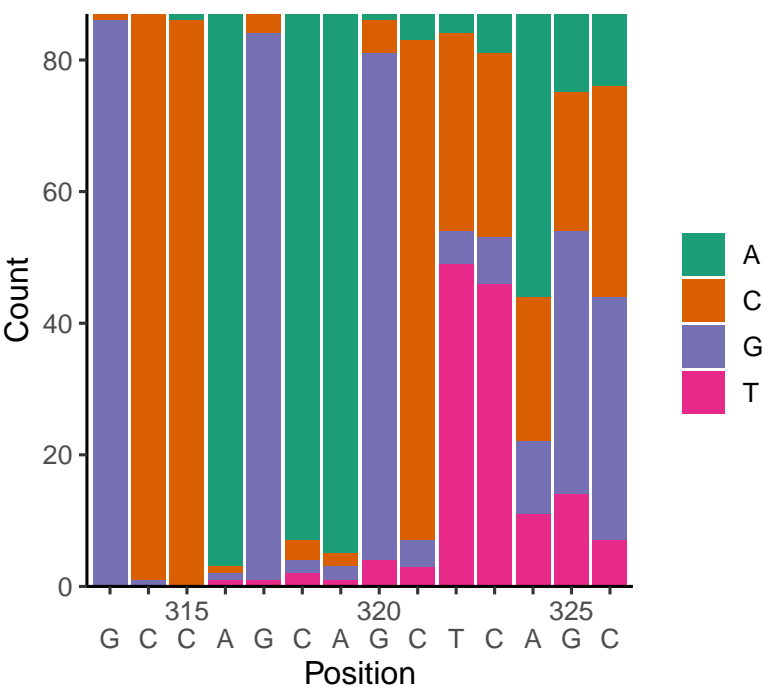
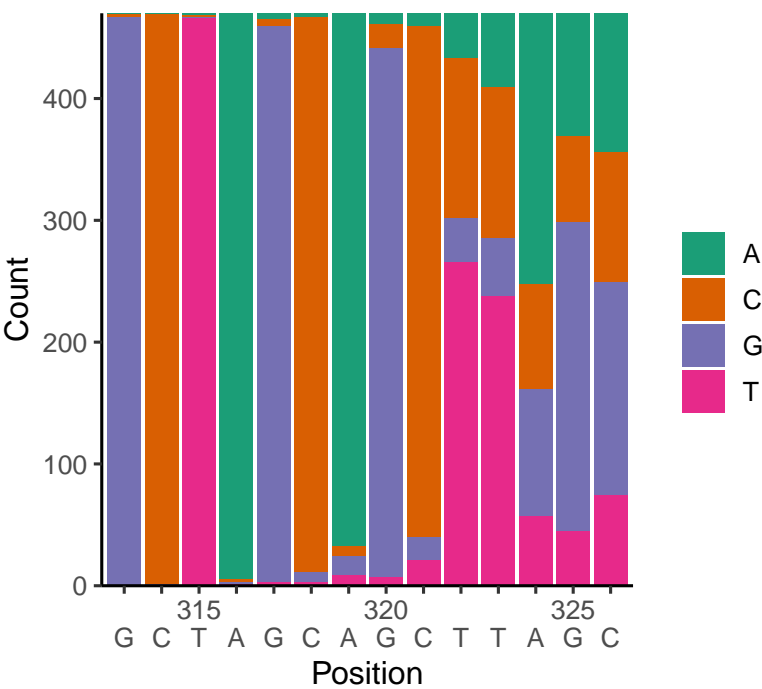


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



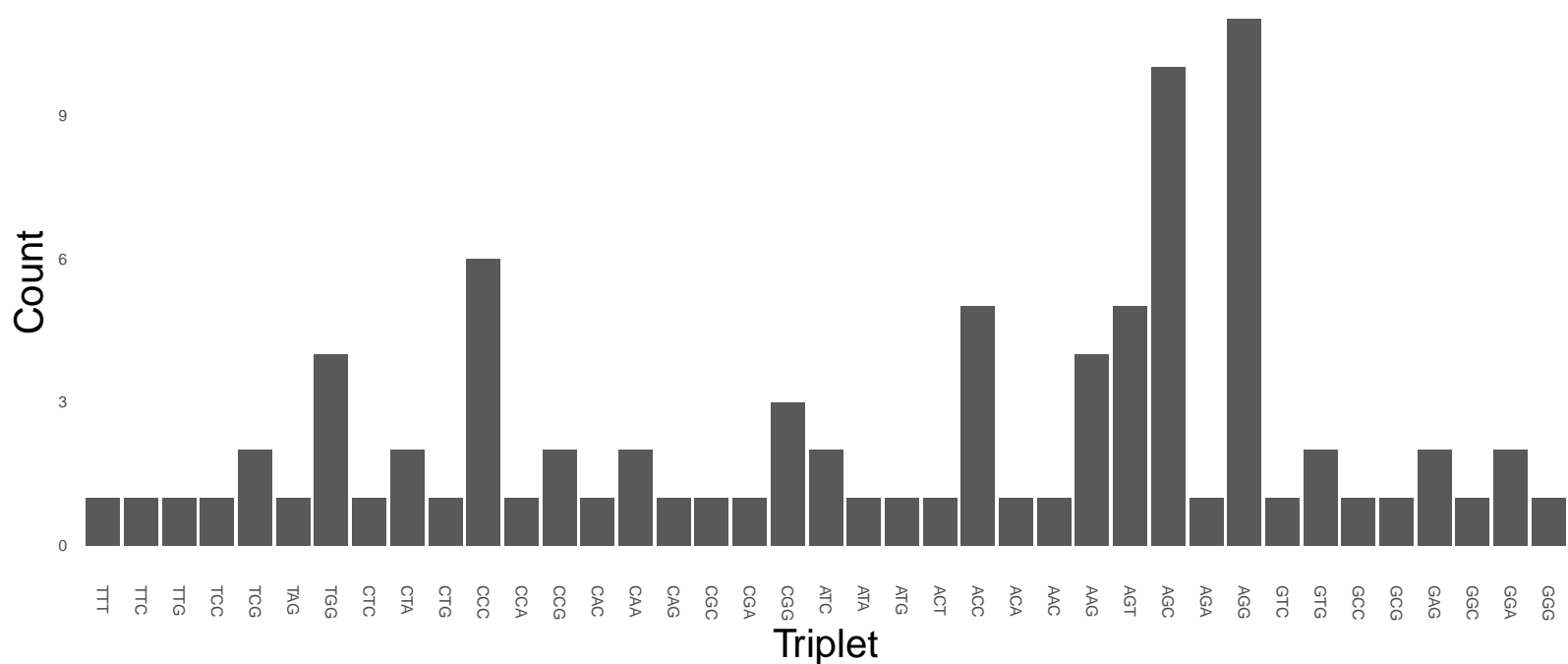
Gene TRBV7-1\*ap01\_G291C\_T296C



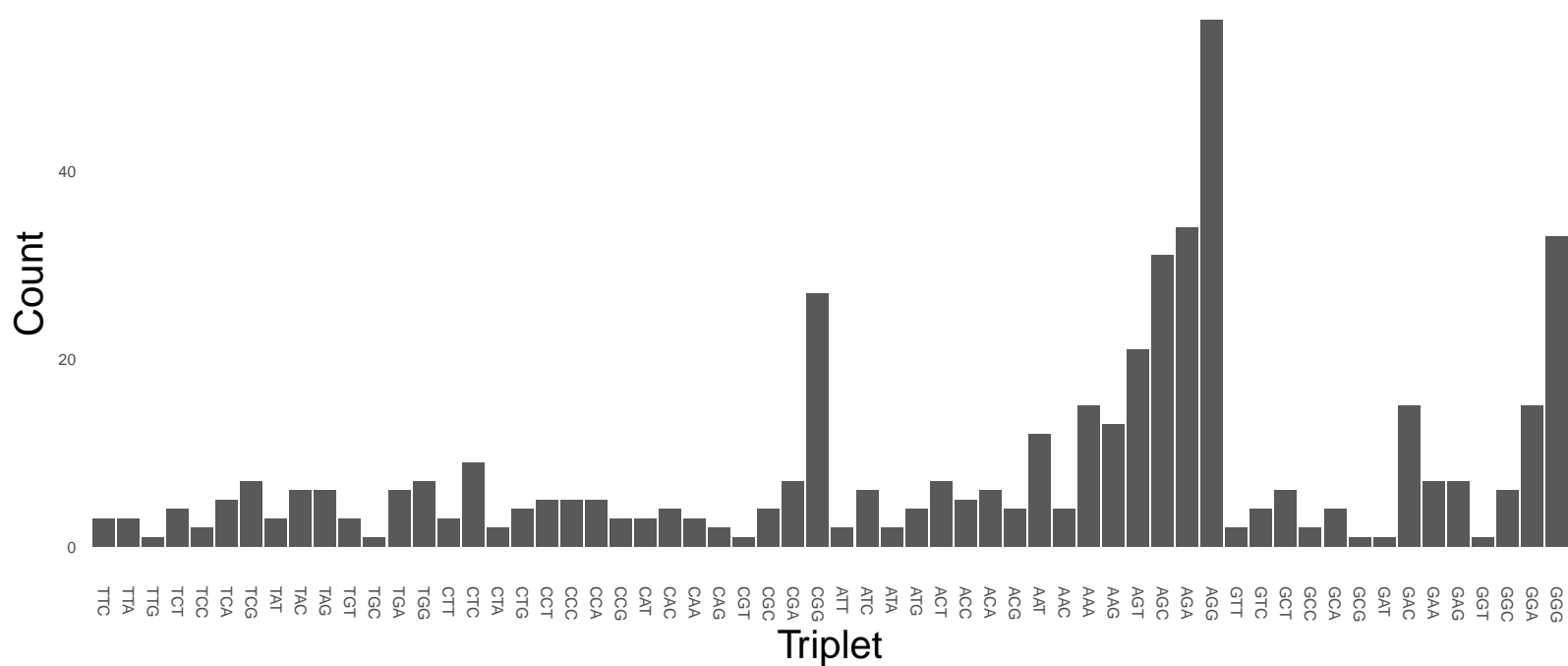
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet

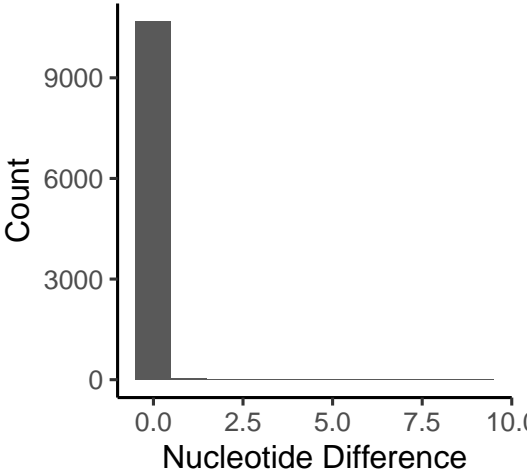


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



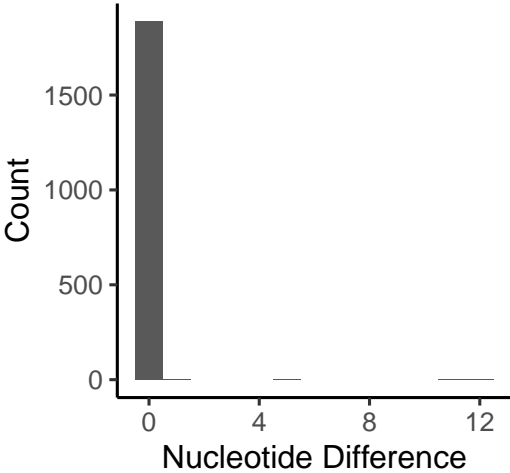
TRBV20-1\*ap01

10770 sequences assigned  
10682 (99.2%) exact matches, in which:  
10660 unique CDR3  
13 unique J



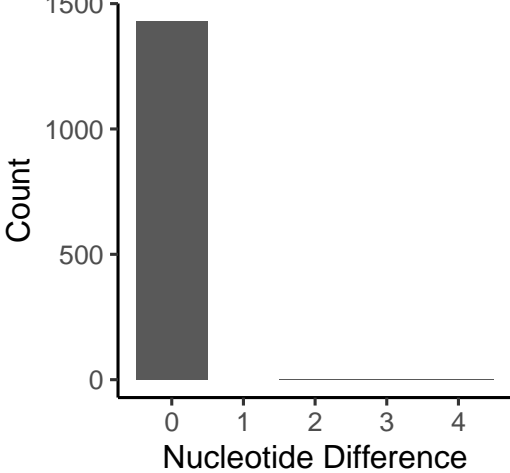
TRBV10-3\*ap01

1895 sequences assigned  
1888 (99.6%) exact matches, in which:  
1881 unique CDR3  
12 unique J



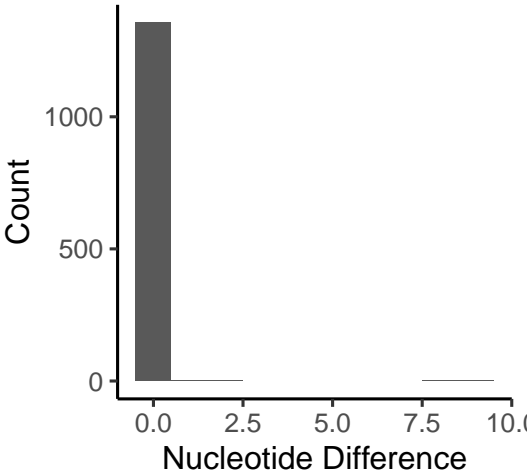
TRBV14\*ap01

1432 sequences assigned  
1429 (99.8%) exact matches, in which:  
1425 unique CDR3  
12 unique J



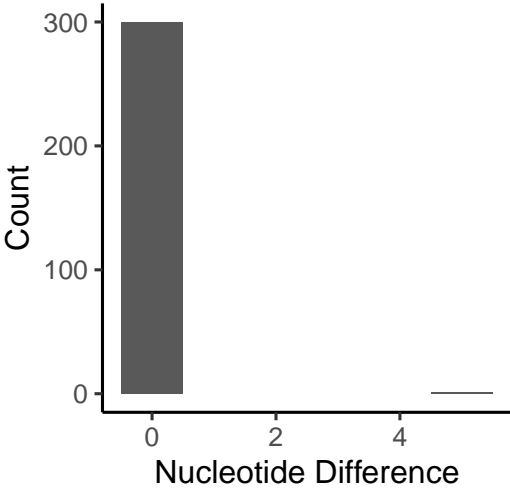
TRBV10-1\*ap01

1362 sequences assigned  
1356 (99.6%) exact matches, in which:  
1356 unique CDR3  
12 unique J



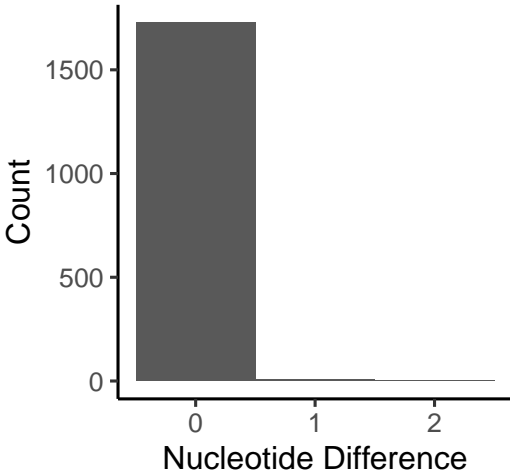
TRBV1\*ap01

301 sequences assigned  
300 (99.7%) exact matches, in which:  
300 unique CDR3  
12 unique J



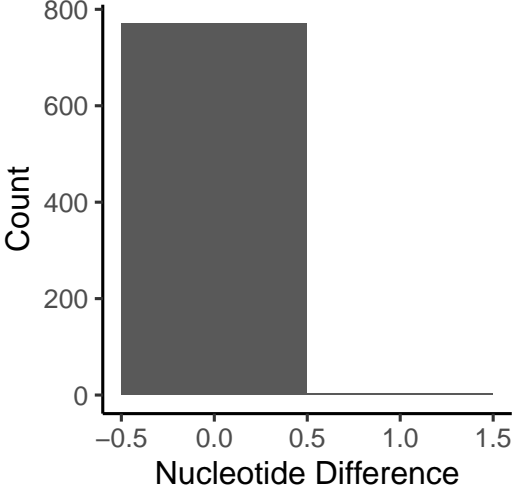
TRBV15\*ap02

1737 sequences assigned  
1727 (99.4%) exact matches, in which:  
1721 unique CDR3  
12 unique J



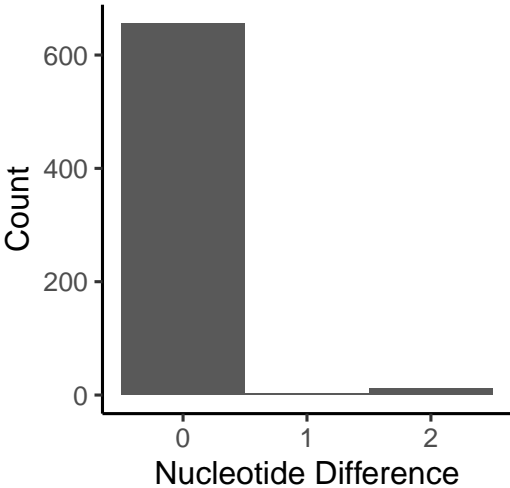
TRBV10-2\*ap01

774 sequences assigned  
771 (99.6%) exact matches, in which:  
768 unique CDR3  
12 unique J



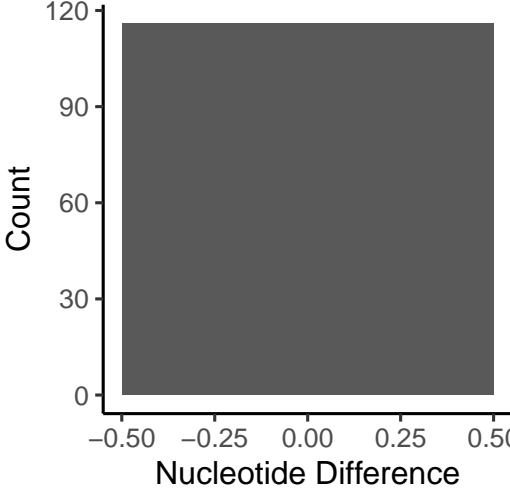
TRBV13\*ap01

670 sequences assigned  
656 (97.9%) exact matches, in which:  
654 unique CDR3  
12 unique J



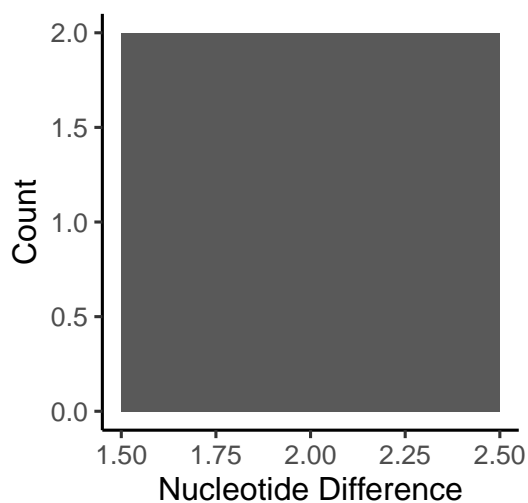
TRBV16\*ap01

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



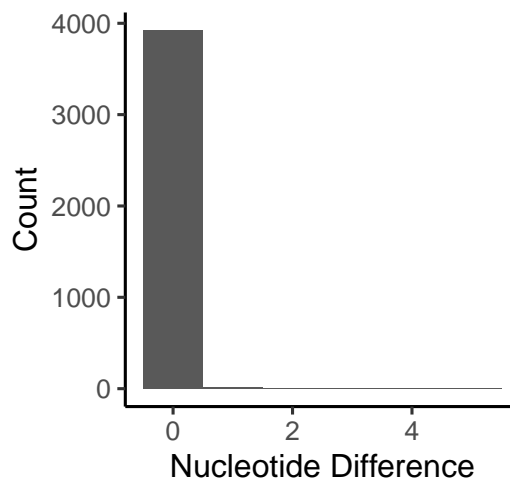
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



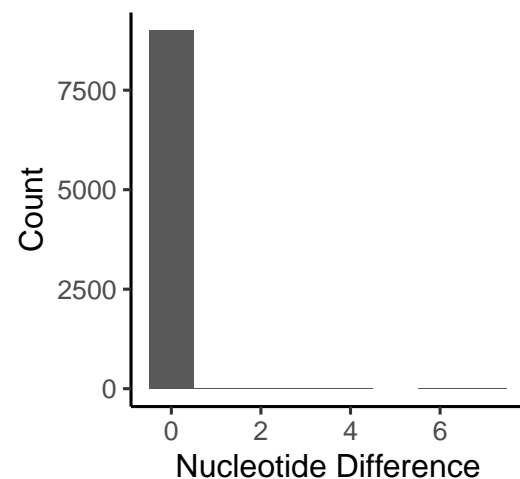
### TRBV2\*ap01

3942 sequences assigned  
3922 (99.5%) exact matches, in which:  
3921 unique CDR3  
13 unique J



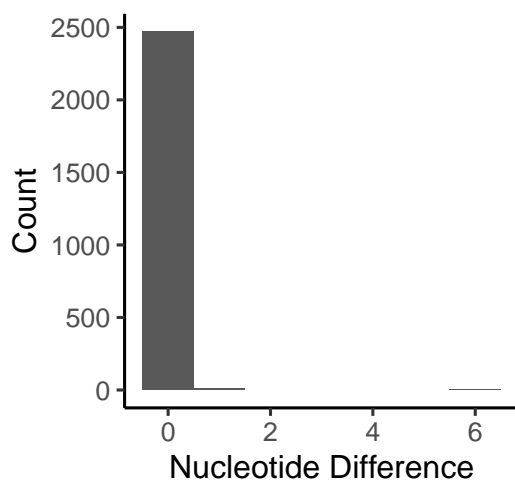
### TRBV28\*ap01

9030 sequences assigned  
9002 (99.7%) exact matches, in which:  
8988 unique CDR3  
13 unique J



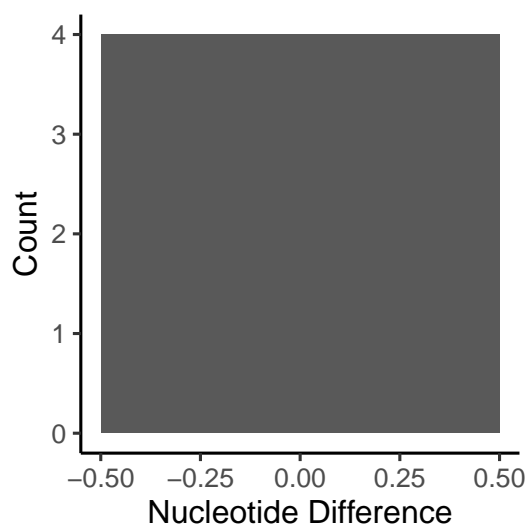
### TRBV18\*ap01

2478 sequences assigned  
2470 (99.7%) exact matches, in which:  
2469 unique CDR3  
13 unique J



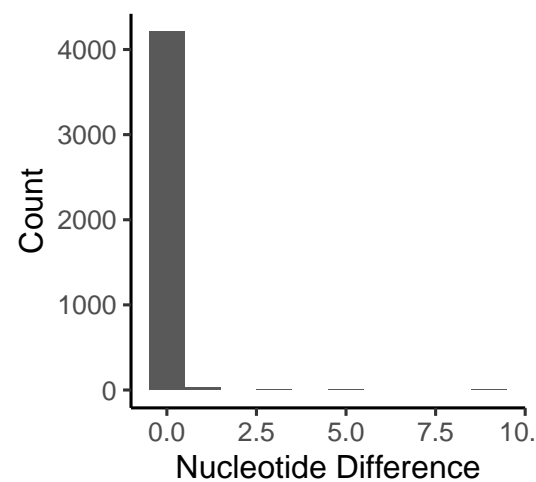
### TRBV26\*ap01

4 sequences assigned  
4 (100%) exact matches, in which:  
4 unique CDR3  
2 unique J



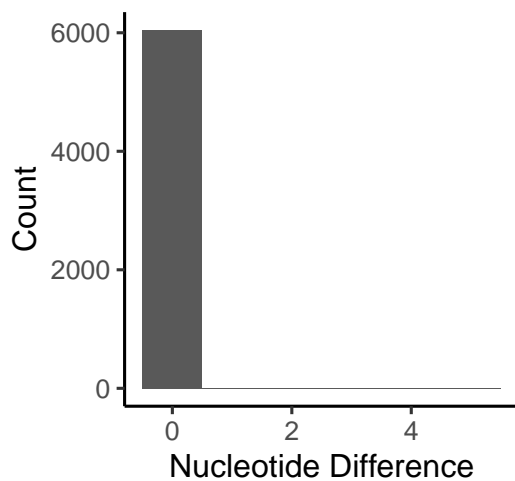
### TRBV30\*ap01

4239 sequences assigned  
4209 (99.3%) exact matches, in which:  
4205 unique CDR3  
12 unique J



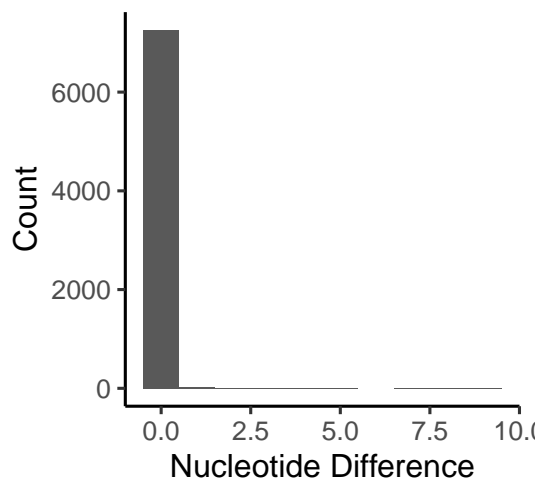
### TRBV19\*ap01

6058 sequences assigned  
6046 (99.8%) exact matches, in which:  
6044 unique CDR3  
13 unique J



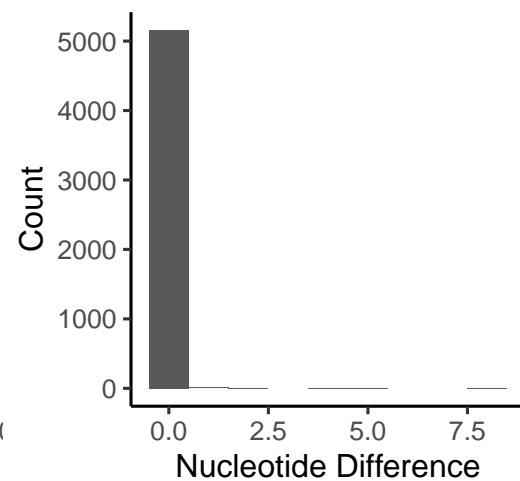
### TRBV27\*ap01

7292 sequences assigned  
7257 (99.5%) exact matches, in which:  
7246 unique CDR3  
12 unique J



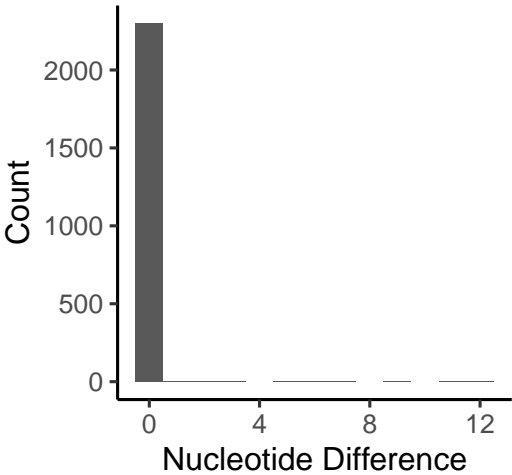
### TRBV9\*ap01

5176 sequences assigned  
5159 (99.7%) exact matches, in which:  
5153 unique CDR3  
13 unique J



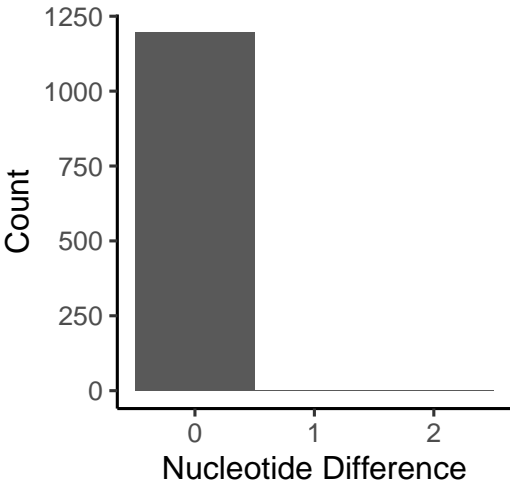
TRBV21-1\*ap01

2319 sequences assigned  
2299 (99.1%) exact matches, in which:  
2299 unique CDR3  
12 unique J



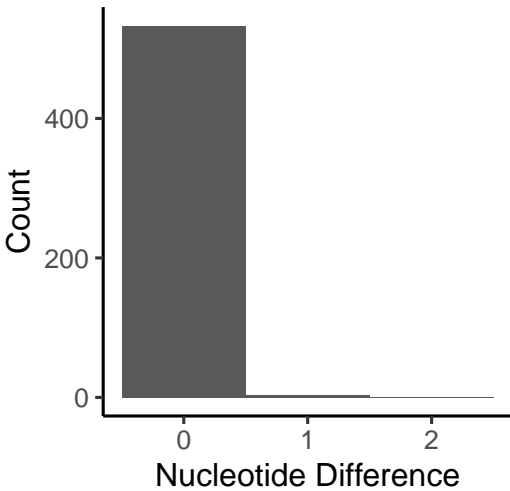
TRBV11-3\*ap01

1200 sequences assigned  
1196 (99.7%) exact matches, in which:  
1196 unique CDR3  
12 unique J



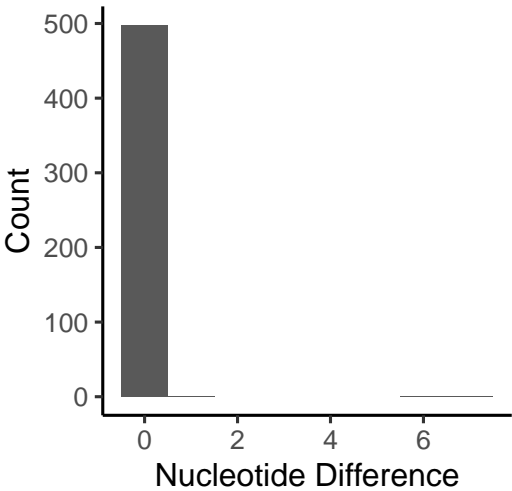
TRBV12-5\*ap01

538 sequences assigned  
533 (99.1%) exact matches, in which:  
532 unique CDR3  
12 unique J



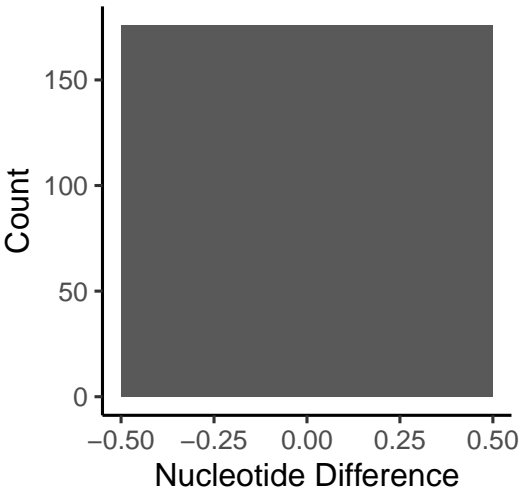
TRBV11-1\*ap01

501 sequences assigned  
498 (99.4%) exact matches, in which:  
498 unique CDR3  
12 unique J



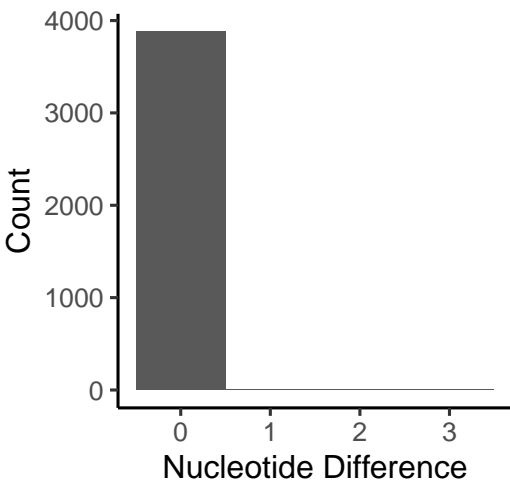
TRBV12-1\*ap01

176 sequences assigned  
176 (100%) exact matches, in which:  
174 unique CDR3  
12 unique J



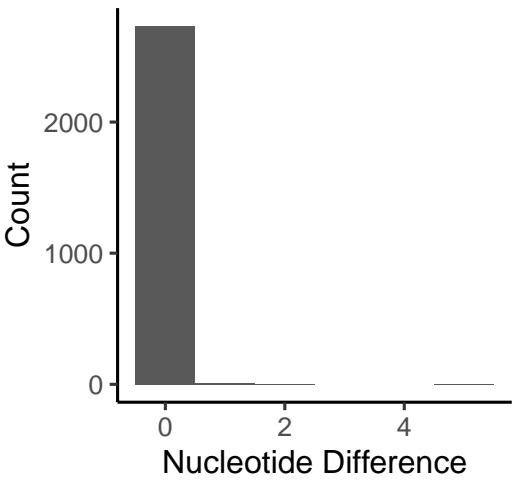
TRBV12-34\*ap01

3889 sequences assigned  
3879 (99.7%) exact matches, in which:  
3872 unique CDR3  
13 unique J



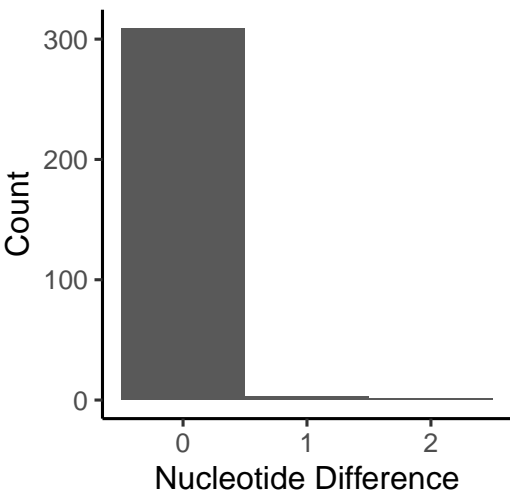
TRBV11-2\*ap01

2745 sequences assigned  
2732 (99.5%) exact matches, in which:  
2730 unique CDR3  
12 unique J



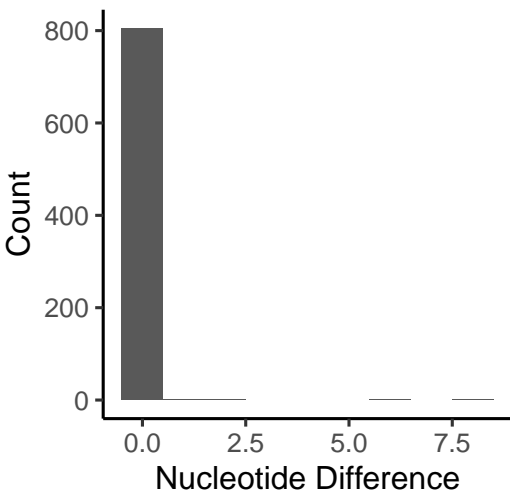
TRBV12-2\*ap01

313 sequences assigned  
309 (98.7%) exact matches, in which:  
309 unique CDR3  
12 unique J



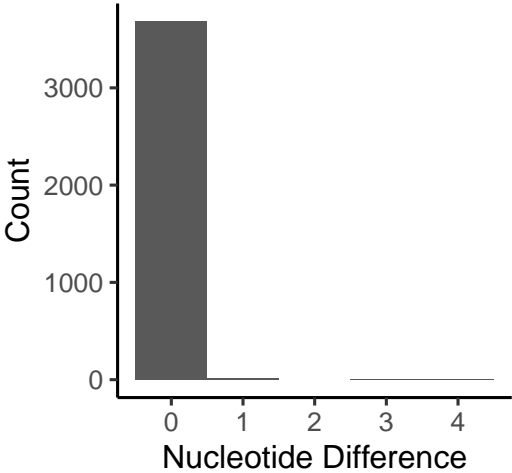
TRBV23-1\*ap01

810 sequences assigned  
805 (99.4%) exact matches, in which:  
804 unique CDR3  
12 unique J



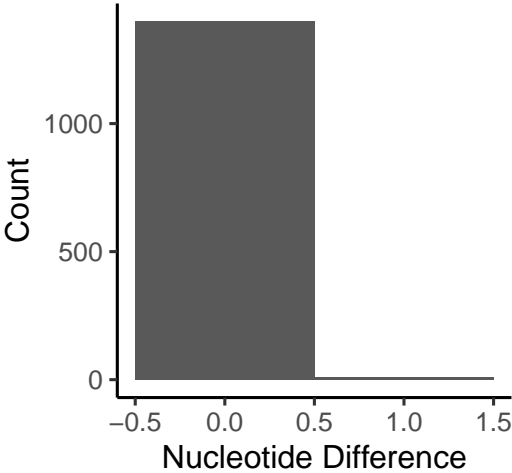
TRBV3-12\*ap01

3699 sequences assigned  
3683 (99.6%) exact matches, in which:  
3675 unique CDR3  
13 unique J



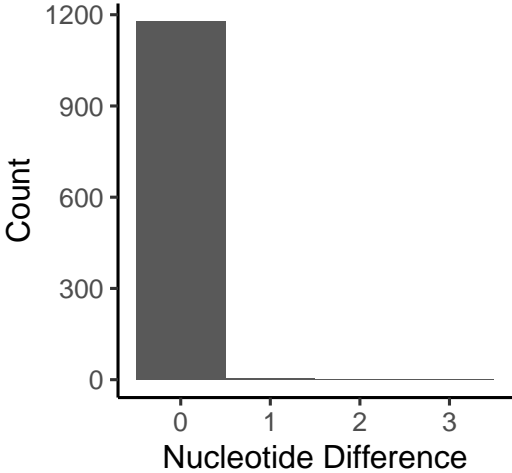
TRBV4-2\*ap01

1409 sequences assigned  
1399 (99.3%) exact matches, in which:  
1396 unique CDR3  
12 unique J



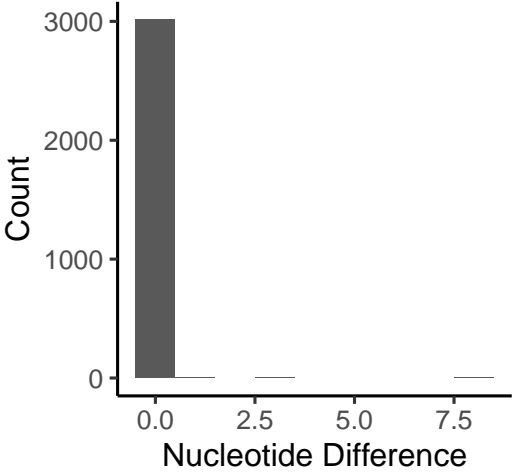
TRBV25-1\*ap01

1184 sequences assigned  
1178 (99.5%) exact matches, in which:  
1176 unique CDR3  
12 unique J



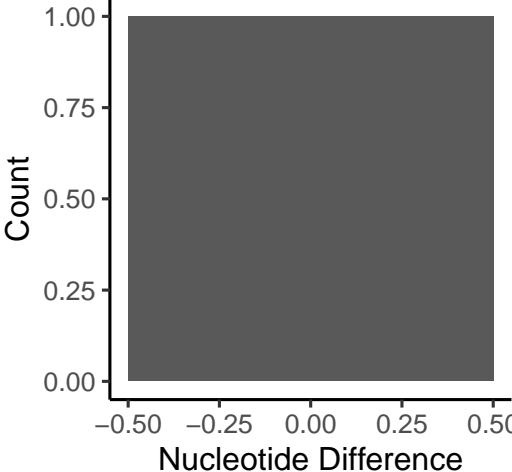
TRBV4-1\*ap01

3021 sequences assigned  
3014 (99.8%) exact matches, in which:  
3007 unique CDR3  
12 unique J



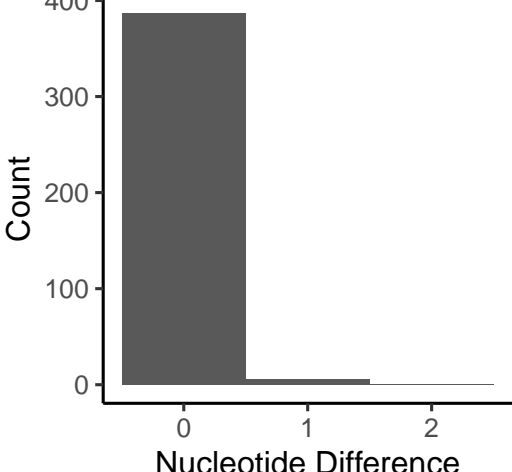
TRBV4-3\*ap01

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



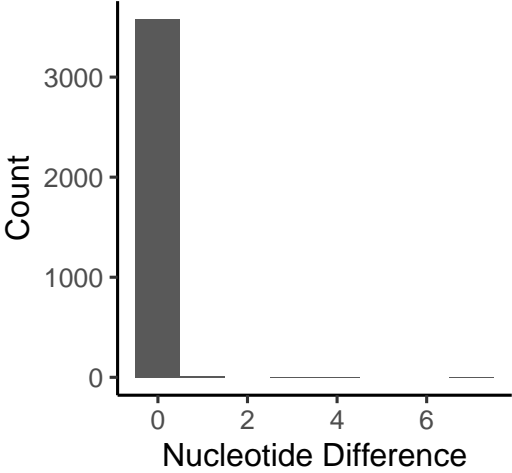
TRBV5-3\*ap01

394 sequences assigned  
387 (98.2%) exact matches, in which:  
386 unique CDR3  
12 unique J



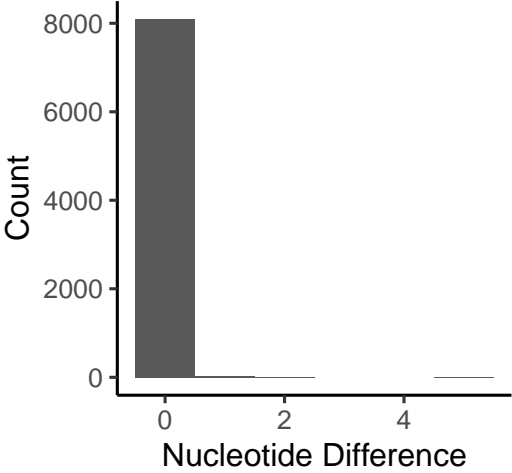
TRBV24-1\*ap01

3601 sequences assigned  
3580 (99.4%) exact matches, in which:  
3576 unique CDR3  
12 unique J



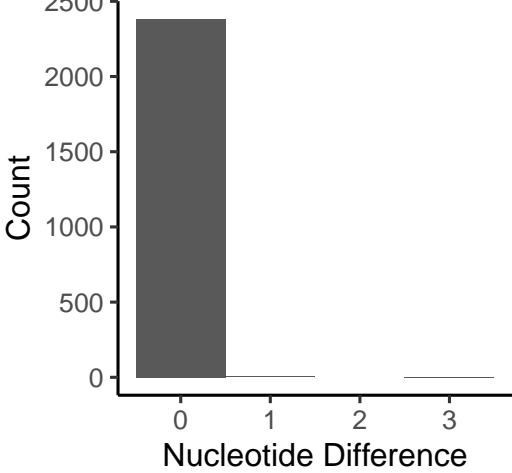
TRBV5-1\*ap01

8125 sequences assigned  
8095 (99.6%) exact matches, in which:  
8059 unique CDR3  
13 unique J



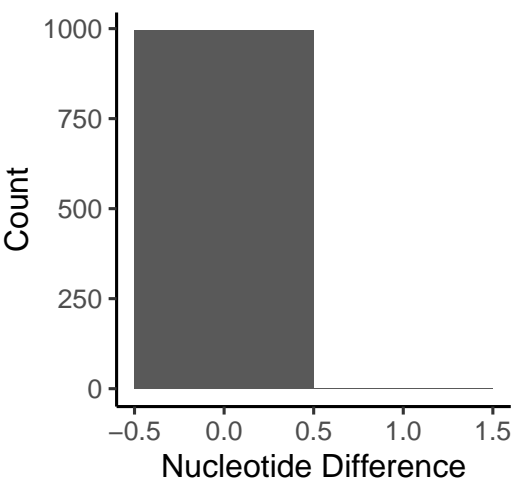
TRBV5-4\*ap01

2388 sequences assigned  
2382 (99.7%) exact matches, in which:  
2378 unique CDR3  
12 unique J



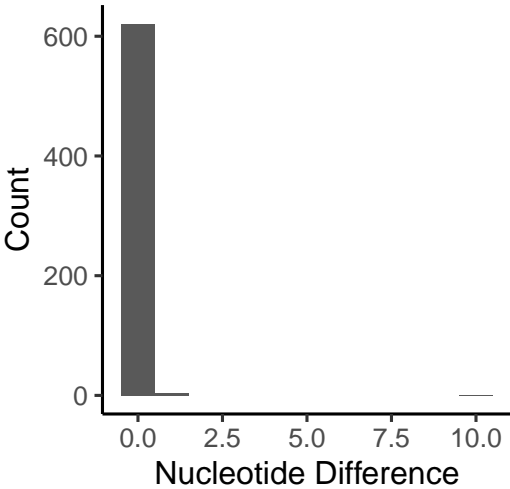
TRBV5-5\*ap01

996 sequences assigned  
995 (99.9%) exact matches, in which:  
995 unique CDR3  
12 unique J



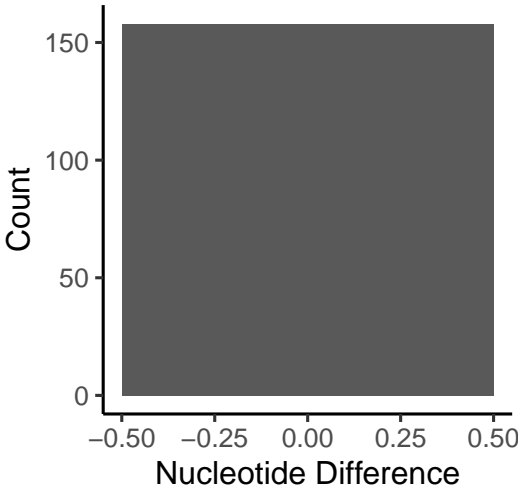
TRBV5-8\*ap01

626 sequences assigned  
621 (99.2%) exact matches, in which:  
621 unique CDR3  
12 unique J



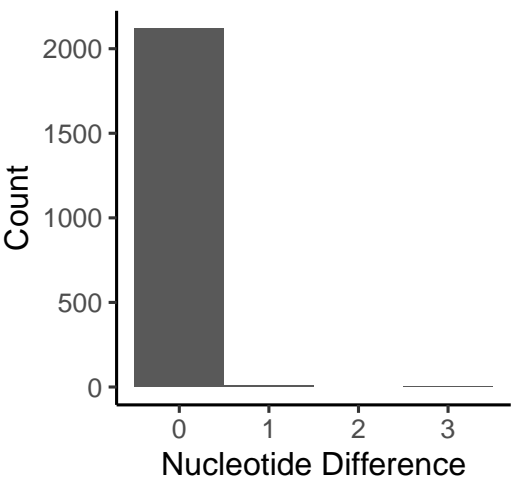
TRBV6-7\*ap01

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



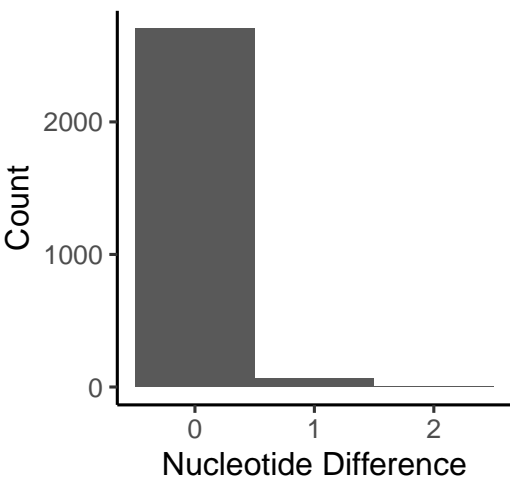
TRBV5-6\*ap01

2130 sequences assigned  
2118 (99.4%) exact matches, in which:  
2113 unique CDR3  
12 unique J



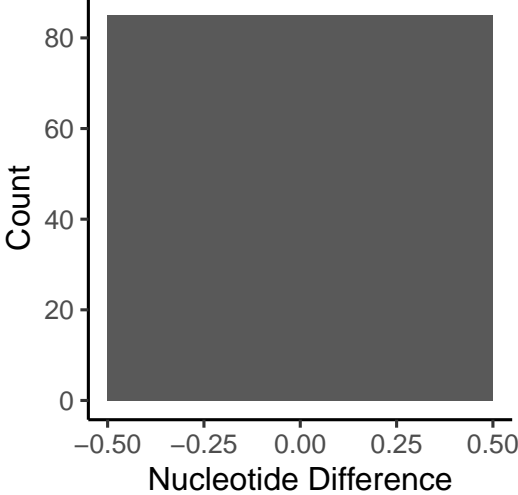
TRBV6-1\*ap01

2767 sequences assigned  
2703 (97.7%) exact matches, in which:  
2694 unique CDR3  
13 unique J



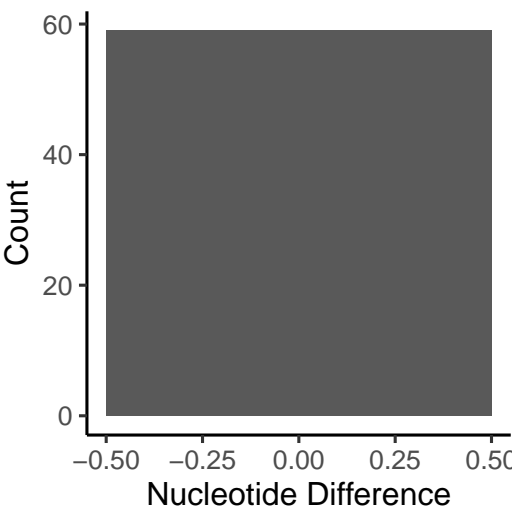
TRBV6-8\*ap01

85 sequences assigned  
85 (100%) exact matches, in which:  
85 unique CDR3  
12 unique J



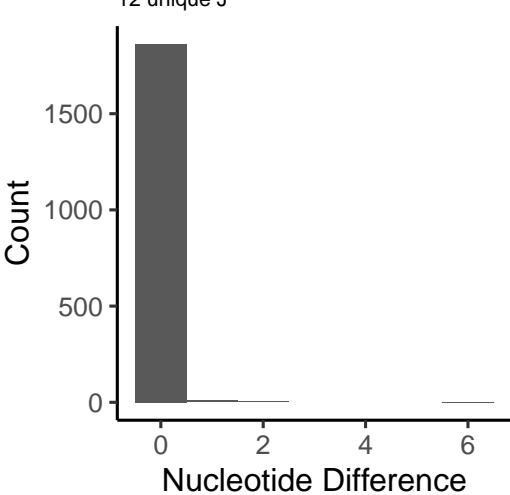
TRBV5-7\*ap01

59 sequences assigned  
59 (100%) exact matches, in which:  
59 unique CDR3  
12 unique J



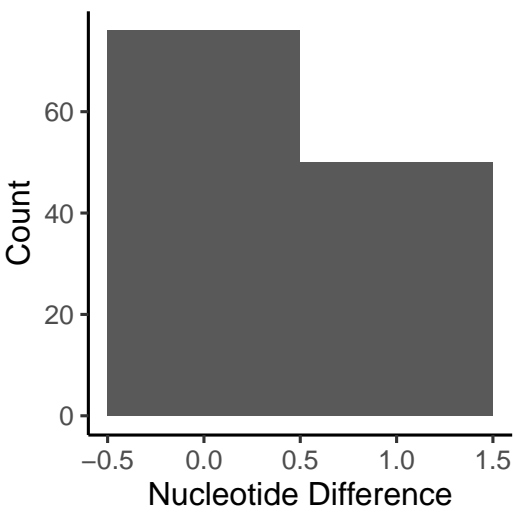
TRBV6-4\*ap01

1877 sequences assigned  
1862 (99.2%) exact matches, in which:  
1860 unique CDR3  
12 unique J



TRBV6-9\*ap01

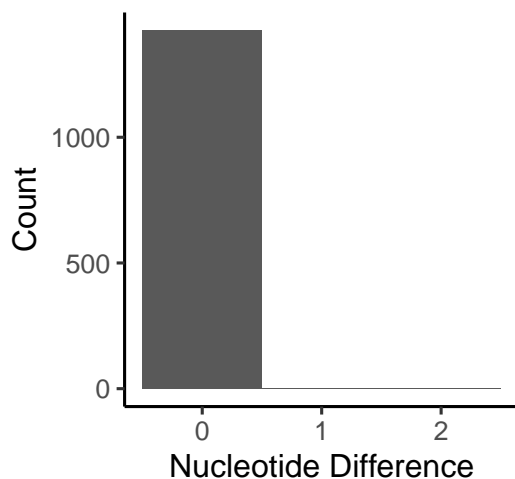
126 sequences assigned  
76 (60.3%) exact matches, in which:  
76 unique CDR3  
12 unique J





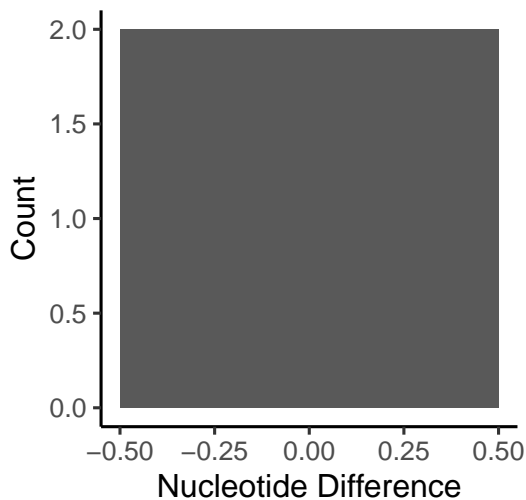
### TRBV6-23\*ap01

1427 sequences assigned  
1425 (99.9%) exact matches, in which:  
1417 unique CDR3  
12 unique J



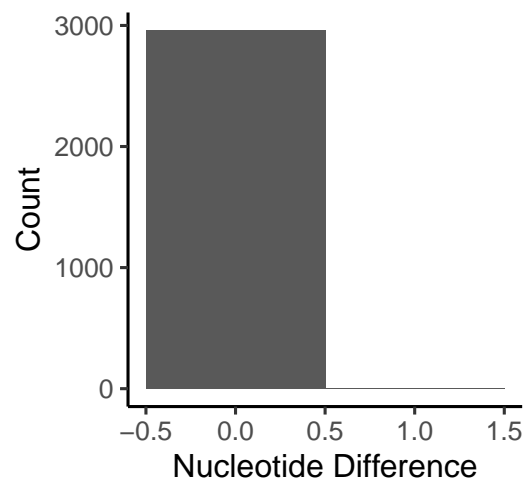
### TRBV7-1\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



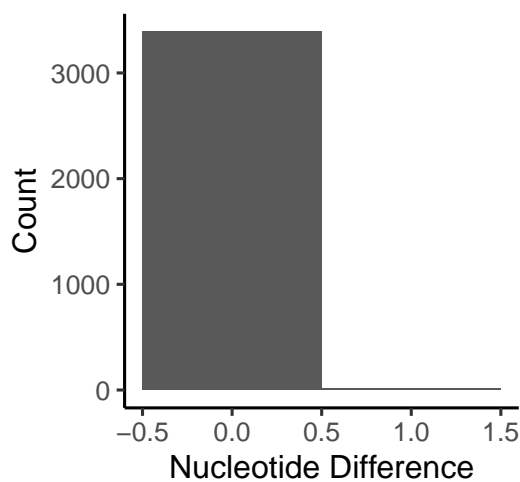
### TRBV7-3\*ap01

2967 sequences assigned  
2959 (99.7%) exact matches, in which:  
2950 unique CDR3  
12 unique J



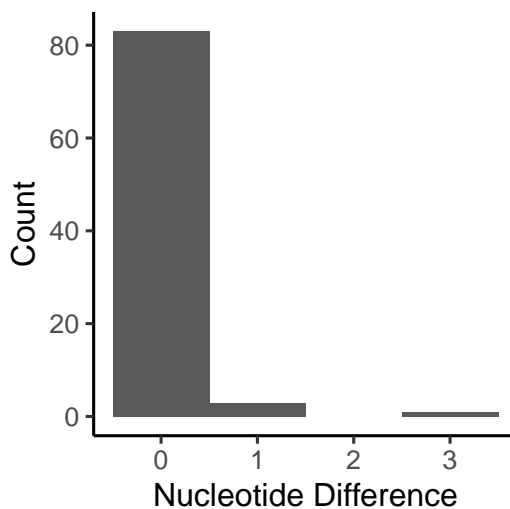
### TRBV6-56\*ap01

3407 sequences assigned  
3390 (99.5%) exact matches, in which:  
3382 unique CDR3  
12 unique J



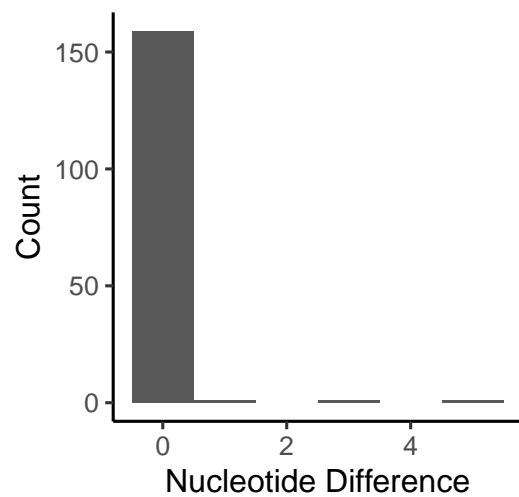
### TRBV7-1\*ap01\_G291C\_T

87 sequences assigned  
83 (95.4%) exact matches, in which:  
83 unique CDR3  
12 unique J



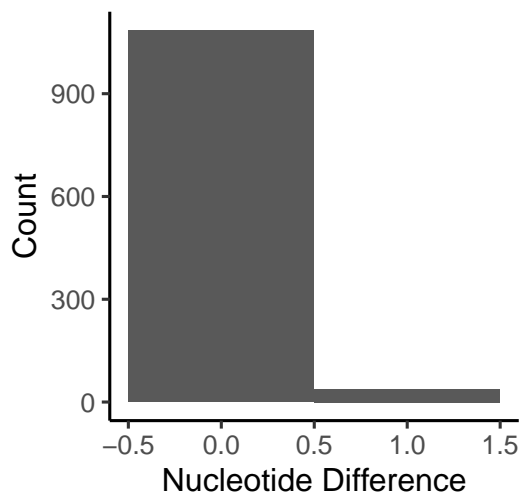
### TRBV7-4\*ap01

162 sequences assigned  
159 (98.1%) exact matches, in which:  
159 unique CDR3  
12 unique J



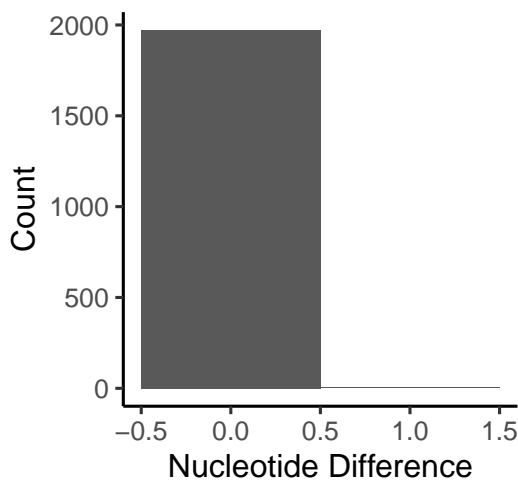
### TRBV6-56\*ap02

1123 sequences assigned  
1085 (96.6%) exact matches, in which:  
1082 unique CDR3  
12 unique J



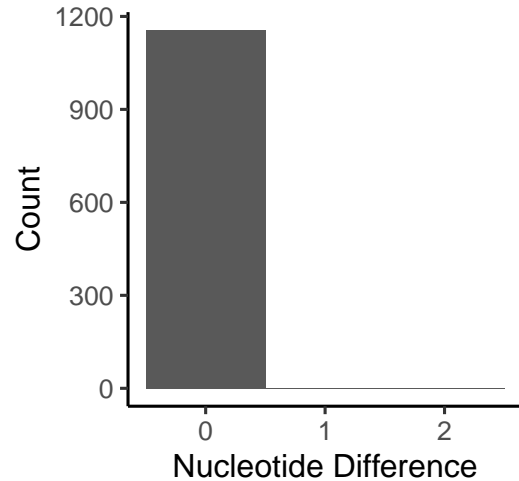
### TRBV7-2\*ap01

1976 sequences assigned  
1972 (99.8%) exact matches, in which:  
1970 unique CDR3  
12 unique J



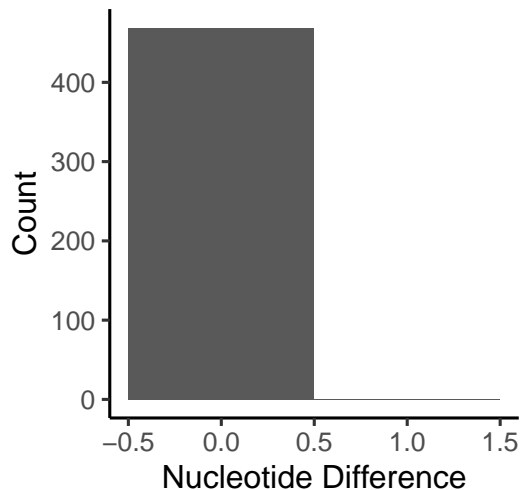
### TRBV7-6\*ap01

1160 sequences assigned  
1156 (99.7%) exact matches, in which:  
1155 unique CDR3  
12 unique J



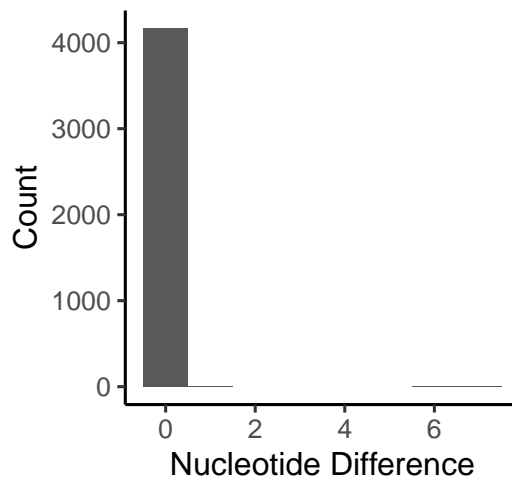
### TRBV7-7\*ap01\_C315T

470 sequences assigned  
469 (99.8%) exact matches, in which:  
468 unique CDR3  
12 unique J



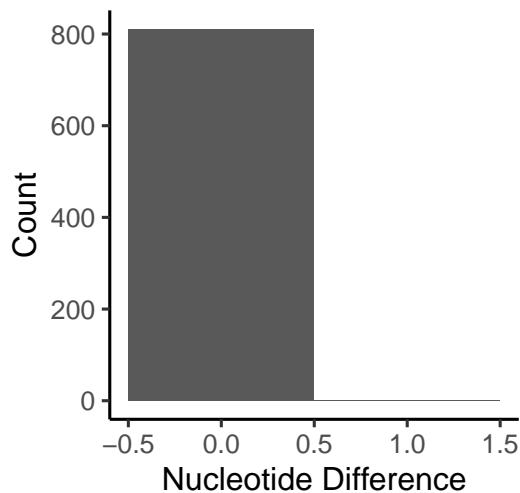
### TRBV7-9\*ap01

4176 sequences assigned  
4166 (99.8%) exact matches, in which:  
4164 unique CDR3  
13 unique J



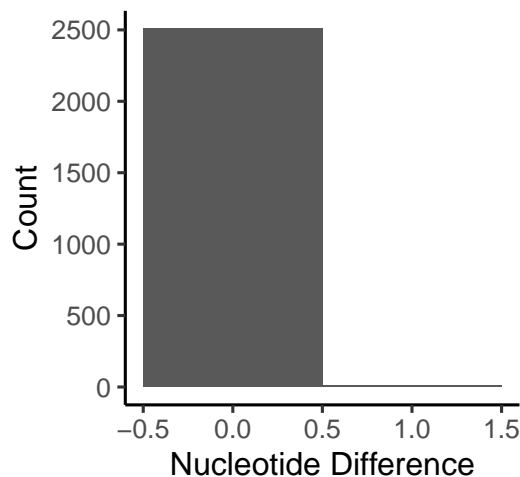
### TRBV7-8\*ap01

813 sequences assigned  
811 (99.8%) exact matches, in which:  
810 unique CDR3  
12 unique J



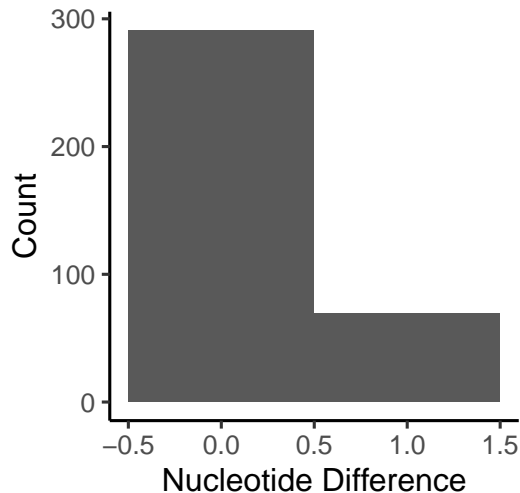
### TRBV29-1\*ap01

2521 sequences assigned  
2508 (99.5%) exact matches, in which:  
2505 unique CDR3  
12 unique J



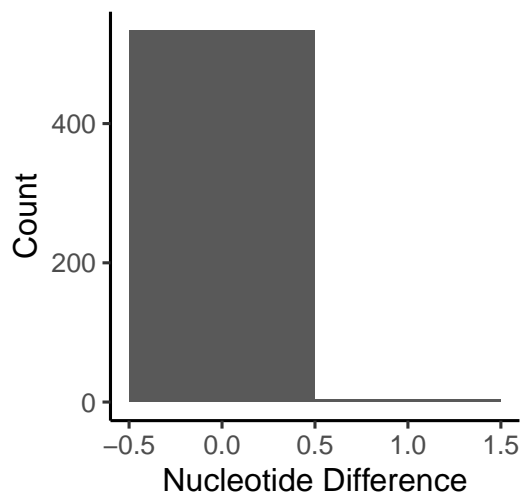
### TRBV7-8\*ap03

360 sequences assigned  
291 (80.8%) exact matches, in which:  
291 unique CDR3  
12 unique J

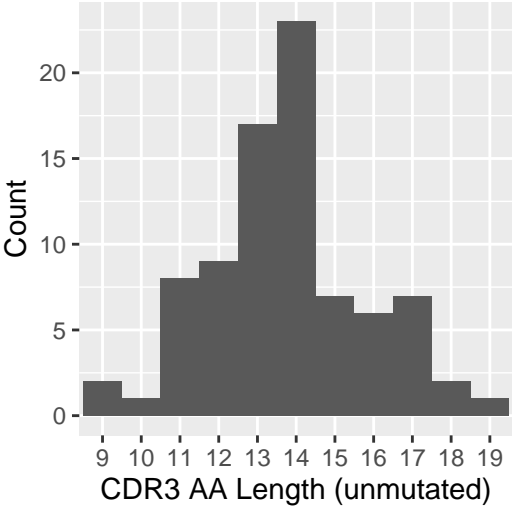


### TRBV29-1\*ap02

538 sequences assigned  
534 (99.3%) exact matches, in which:  
534 unique CDR3  
12 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

