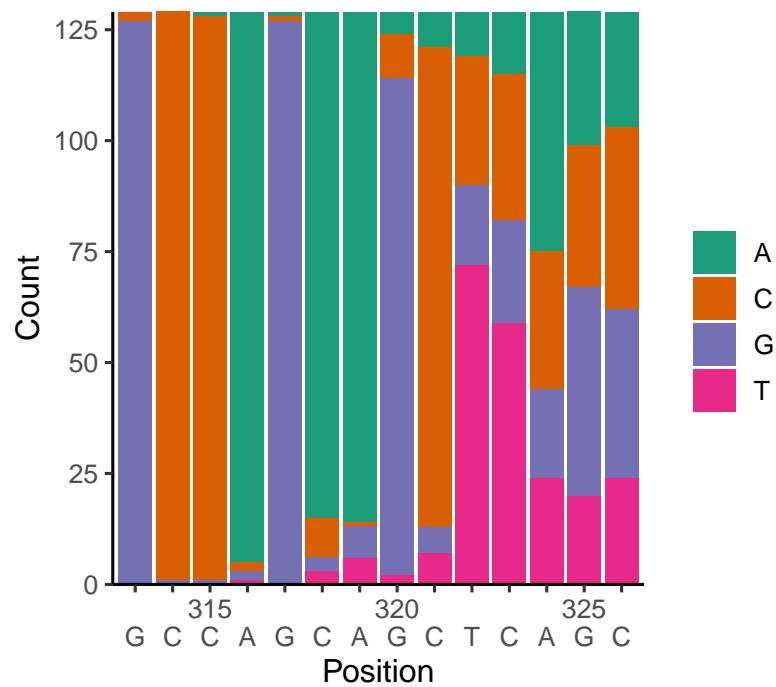


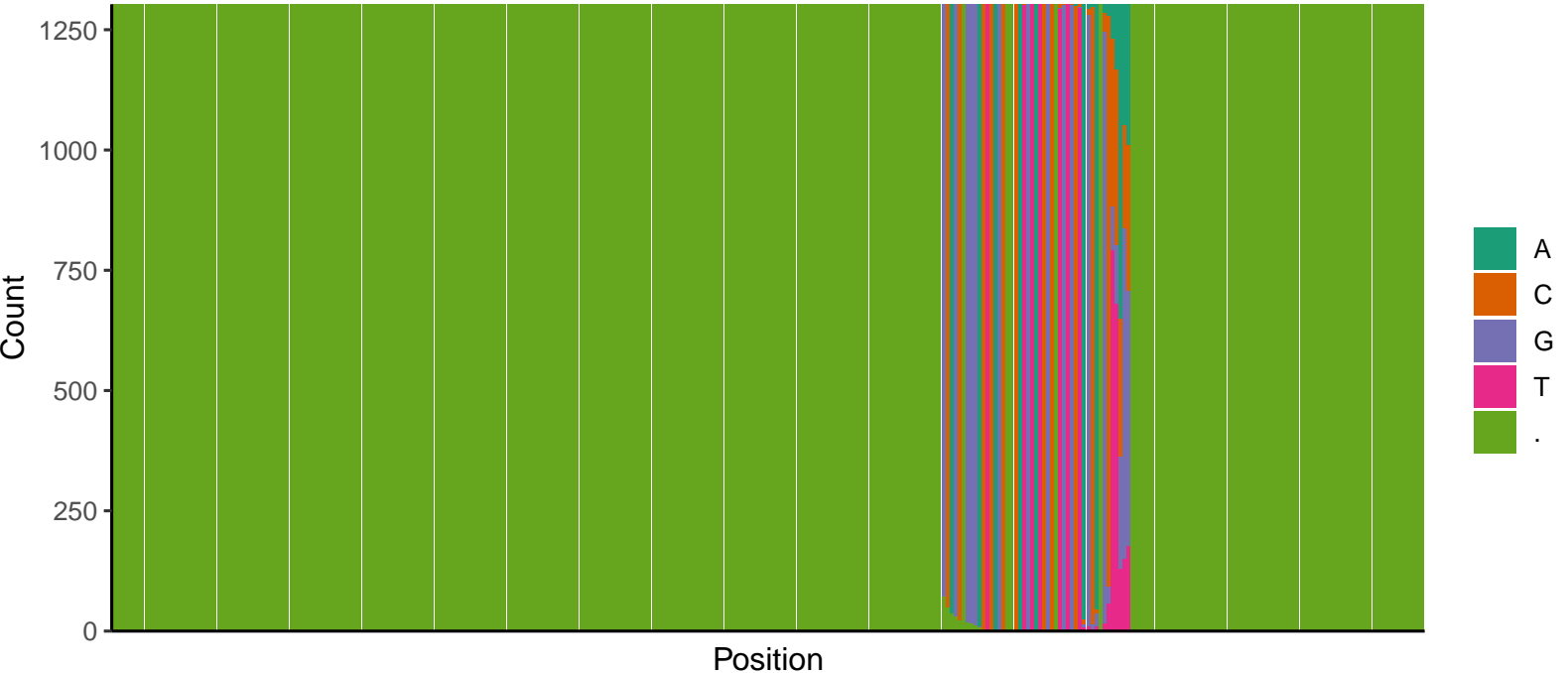
Gene TRBV7-1\*ap01\_G291C\_T296C



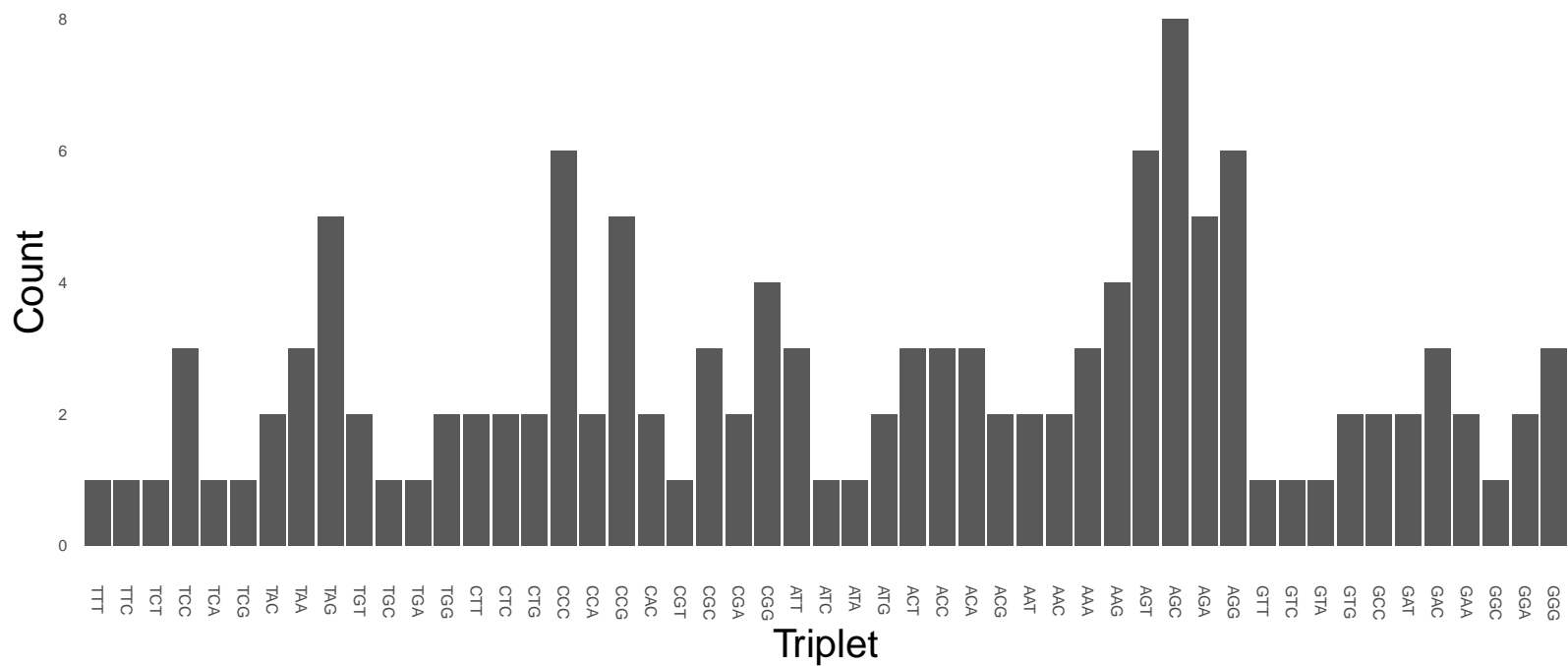
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



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

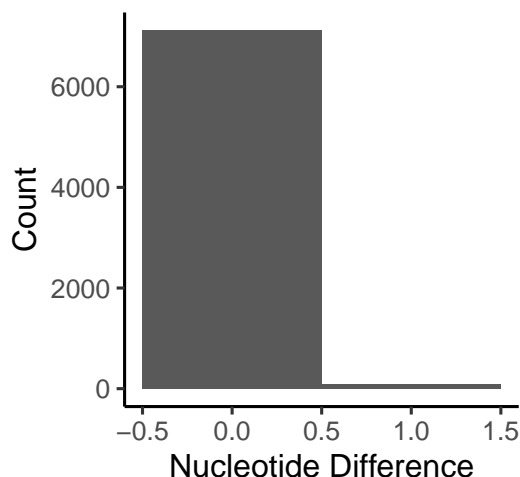


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



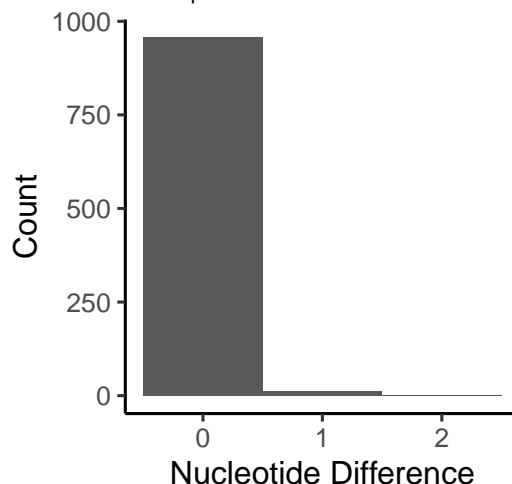
### TRBV20-1\*ap01

7212 sequences assigned  
7119 (98.7%) exact matches, in which:  
7032 unique CDR3  
13 unique J



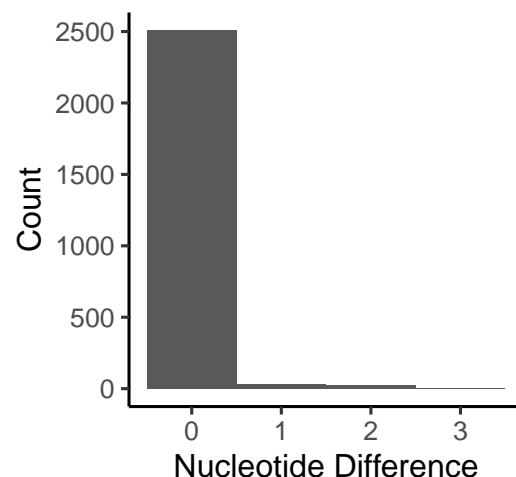
### TRBV10-2\*ap01

971 sequences assigned  
957 (98.6%) exact matches, in which:  
946 unique CDR3  
13 unique J



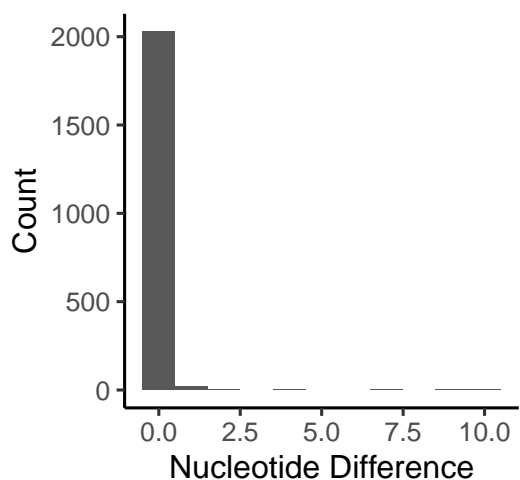
### TRBV13\*ap01

2566 sequences assigned  
2508 (97.7%) exact matches, in which:  
2455 unique CDR3  
13 unique J



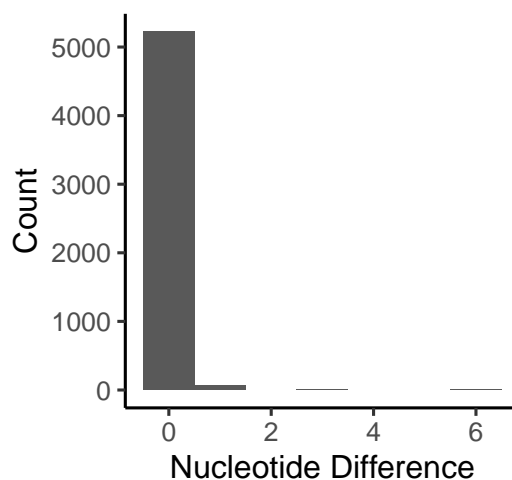
### TRBV10-1\*ap01

2054 sequences assigned  
2028 (98.7%) exact matches, in which:  
1999 unique CDR3  
13 unique J



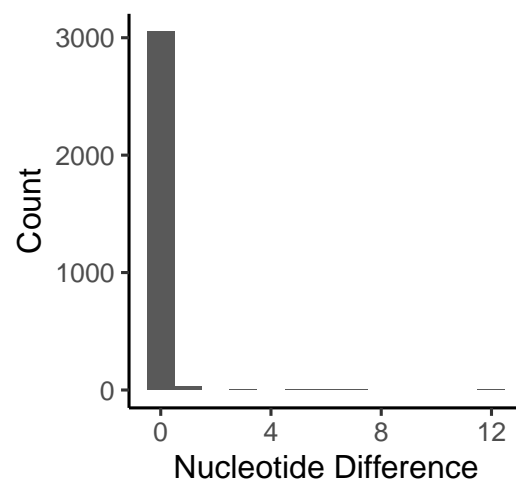
### TRBV10-3\*ap01

5292 sequences assigned  
5223 (98.7%) exact matches, in which:  
5143 unique CDR3  
13 unique J



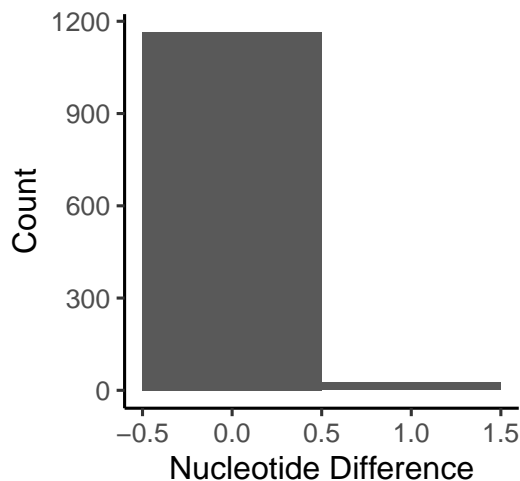
### TRBV14\*ap01

3092 sequences assigned  
3051 (98.7%) exact matches, in which:  
3016 unique CDR3  
13 unique J



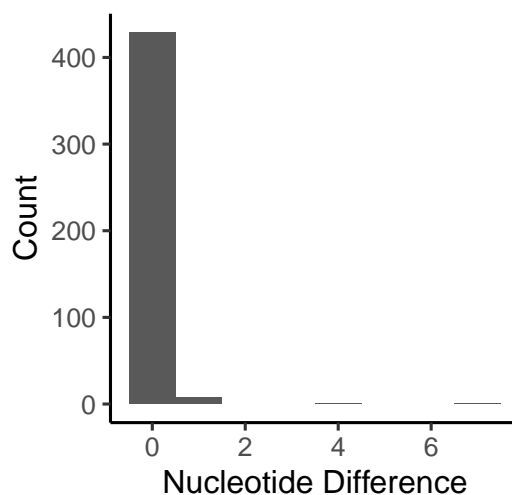
### TRBV20-1\*ap02

1191 sequences assigned  
1165 (97.8%) exact matches, in which:  
1158 unique CDR3  
13 unique J



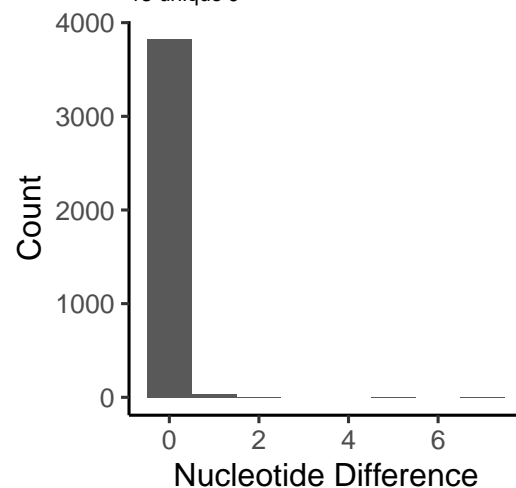
### TRBV1\*ap01

439 sequences assigned  
429 (97.7%) exact matches, in which:  
421 unique CDR3  
13 unique J



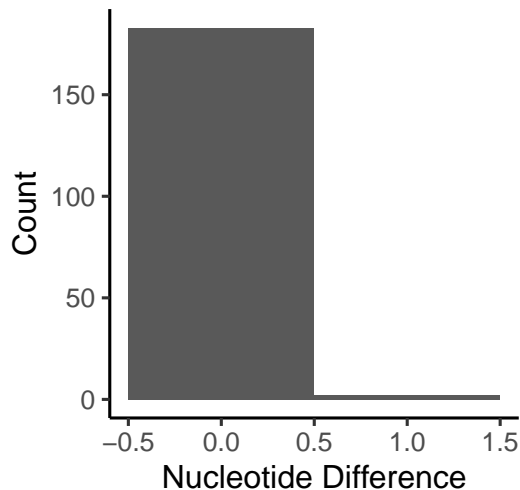
### TRBV15\*ap02

3864 sequences assigned  
3825 (99%) exact matches, in which:  
3740 unique CDR3  
13 unique J



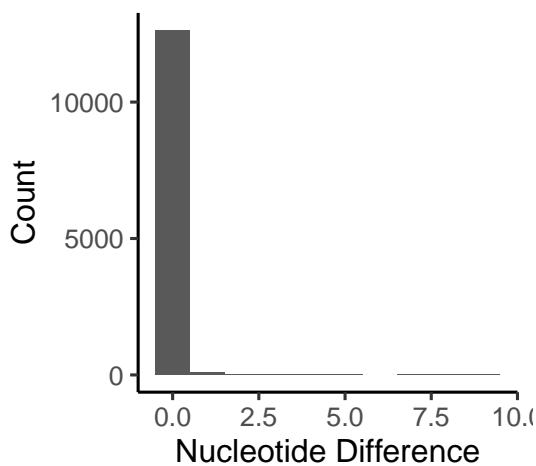
### TRBV16\*ap01

185 sequences assigned  
183 (98.9%) exact matches, in which:  
183 unique CDR3  
13 unique J



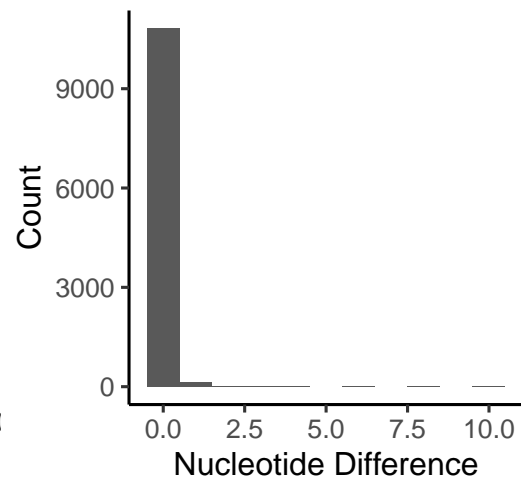
### TRBV19\*ap01

12735 sequences assigned  
12636 (99.2%) exact matches, in which:  
12489 unique CDR3  
13 unique J



### TRBV27\*ap01

10959 sequences assigned  
10821 (98.7%) exact matches, in which:  
10627 unique CDR3  
13 unique J



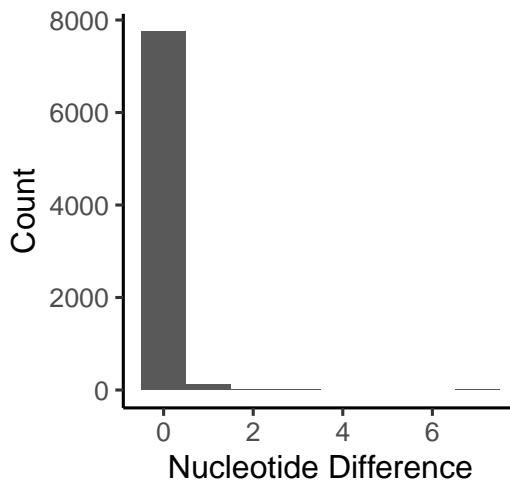
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



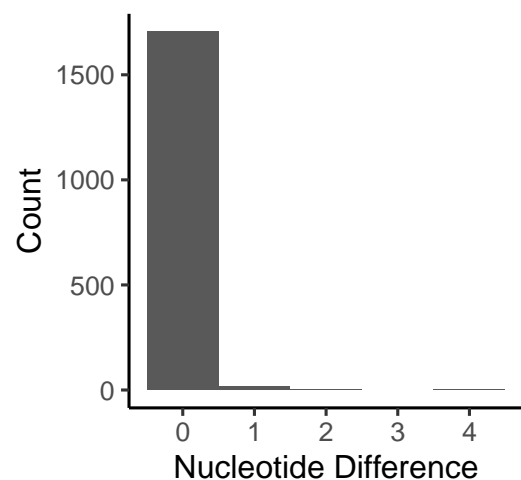
### TRBV2\*ap01

7866 sequences assigned  
7747 (98.5%) exact matches, in which:  
7634 unique CDR3  
13 unique J



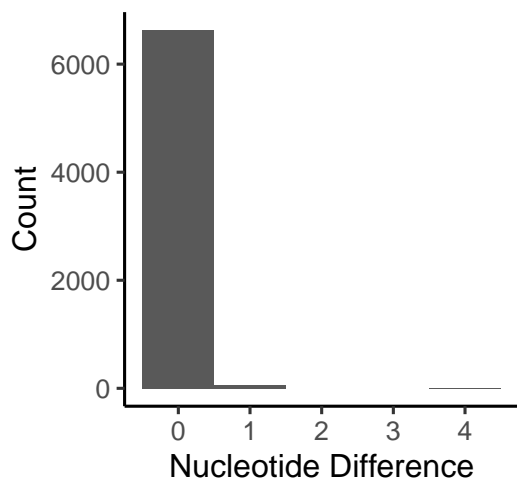
### TRBV28\*ap01

1724 sequences assigned  
1705 (98.9%) exact matches, in which:  
1678 unique CDR3  
13 unique J



### TRBV18\*ap01

6692 sequences assigned  
6631 (99.1%) exact matches, in which:  
6568 unique CDR3  
13 unique J



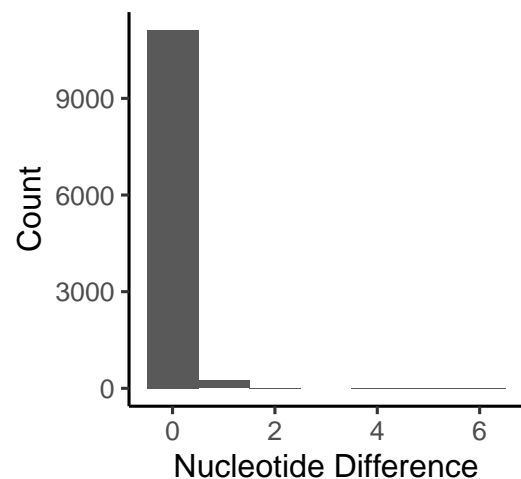
### TRBV26\*ap01

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



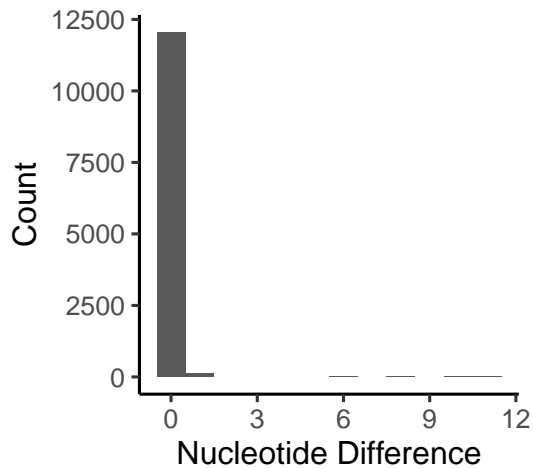
### TRBV30\*ap01

11376 sequences assigned  
11121 (97.8%) exact matches, in which:  
10782 unique CDR3  
13 unique J



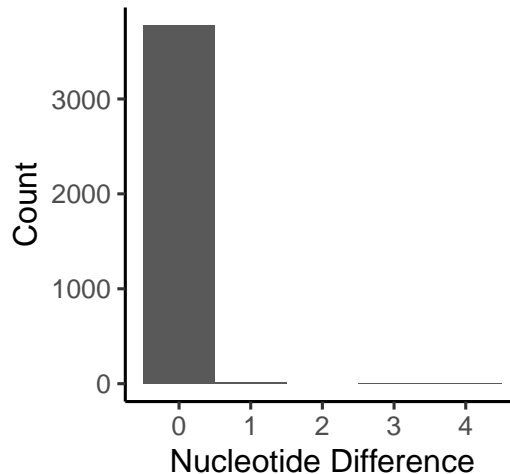
### TRBV9\*ap01

12168 sequences assigned  
12055 (99.1%) exact matches, in which:  
11868 unique CDR3  
13 unique J



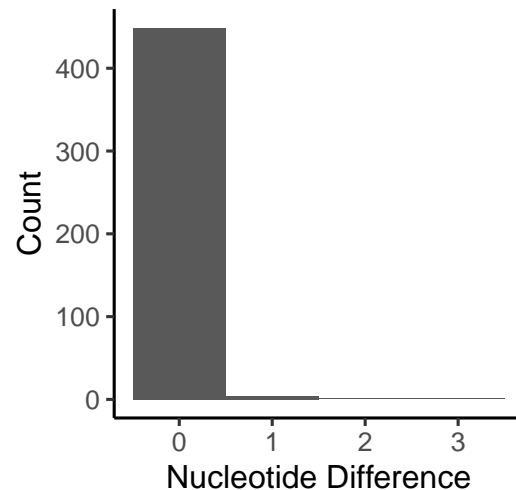
### TRBV11-2\*ap01

3788 sequences assigned  
3775 (99.7%) exact matches, in which:  
3741 unique CDR3  
13 unique J



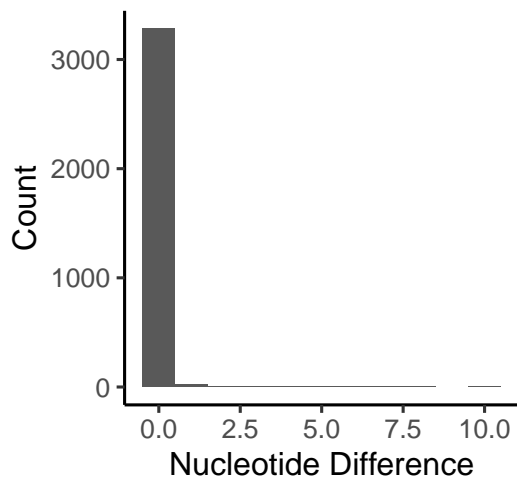
### TRBV12-2\*ap01

455 sequences assigned  
449 (98.7%) exact matches, in which:  
446 unique CDR3  
13 unique J



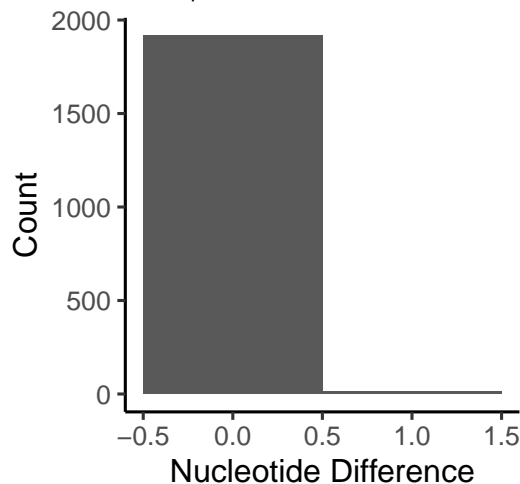
### TRBV21-1\*ap01

3332 sequences assigned  
3282 (98.5%) exact matches, in which:  
3256 unique CDR3  
14 unique J



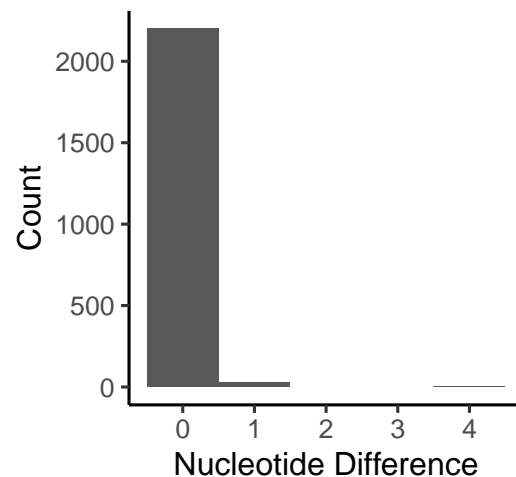
### TRBV11-3\*ap01

1929 sequences assigned  
1916 (99.3%) exact matches, in which:  
1899 unique CDR3  
13 unique J



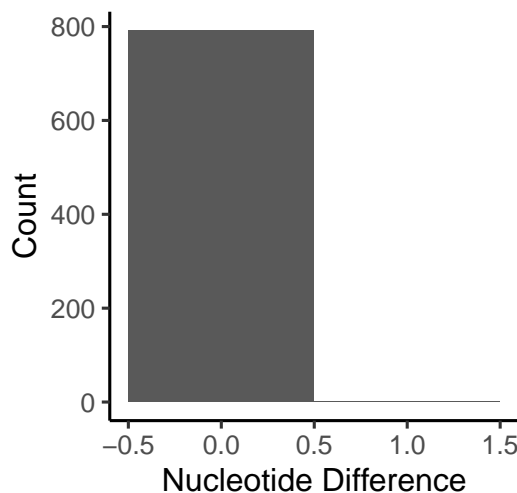
### TRBV12-5\*ap01

2230 sequences assigned  
2200 (98.7%) exact matches, in which:  
2171 unique CDR3  
13 unique J



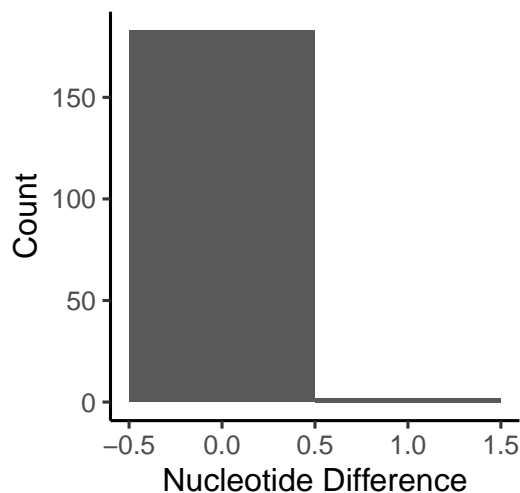
### TRBV11-1\*ap01

794 sequences assigned  
792 (99.7%) exact matches, in which:  
787 unique CDR3  
13 unique J



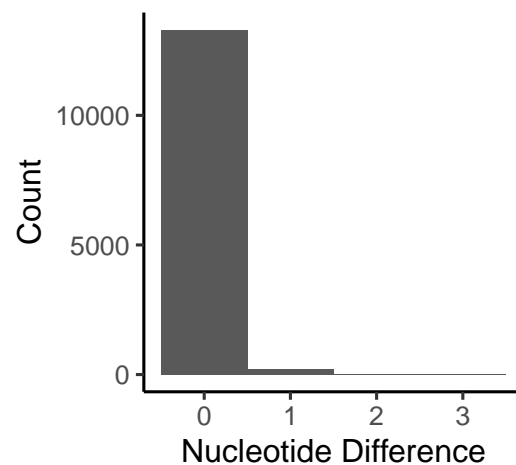
### TRBV12-1\*ap01

185 sequences assigned  
183 (98.9%) exact matches, in which:  
183 unique CDR3  
11 unique J



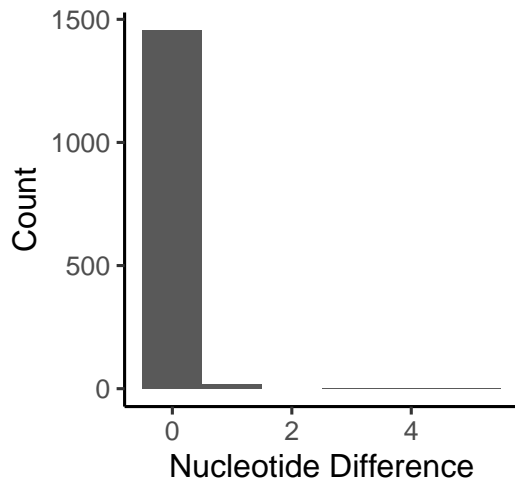
### TRBV12-34\*ap01

13538 sequences assigned  
13300 (98.2%) exact matches, in which:  
13067 unique CDR3  
13 unique J



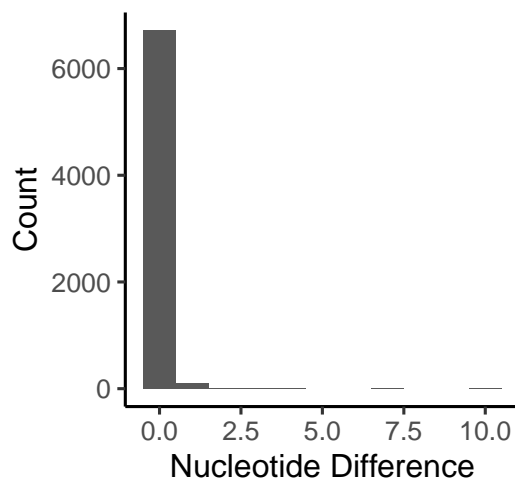
### TRBV23-1\*ap01

1479 sequences assigned  
1455 (98.4%) exact matches, in which:  
1427 unique CDR3  
13 unique J



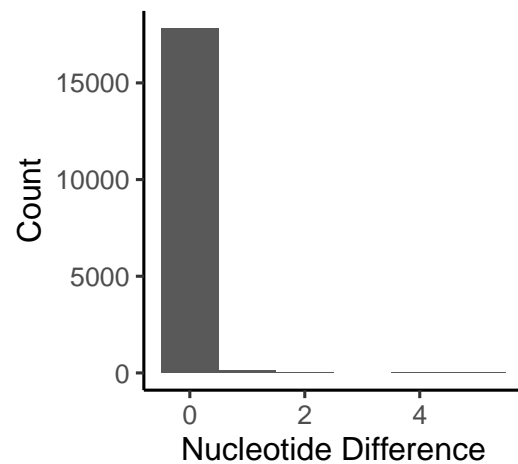
### TRBV24-1\*ap01

6838 sequences assigned  
6715 (98.2%) exact matches, in which:  
6597 unique CDR3  
13 unique J



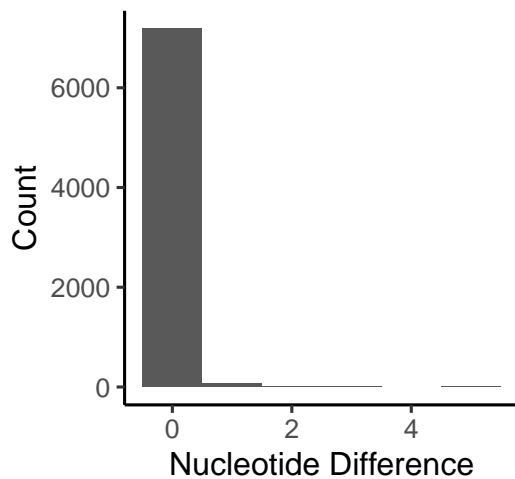
### TRBV5-1\*ap01

17993 sequences assigned  
17831 (99.1%) exact matches, in which:  
17436 unique CDR3  
13 unique J



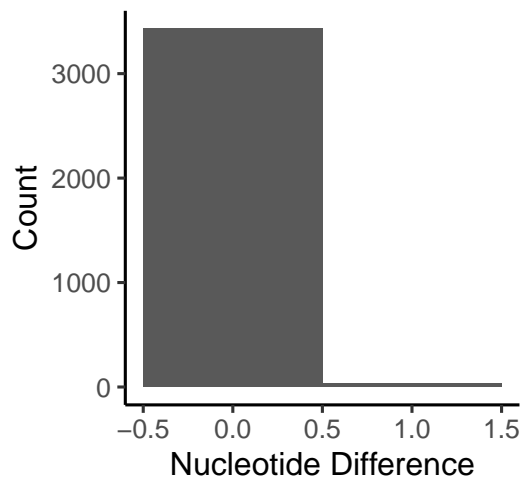
### TRBV3-12\*ap01

7255 sequences assigned  
7184 (99%) exact matches, in which:  
7106 unique CDR3  
13 unique J



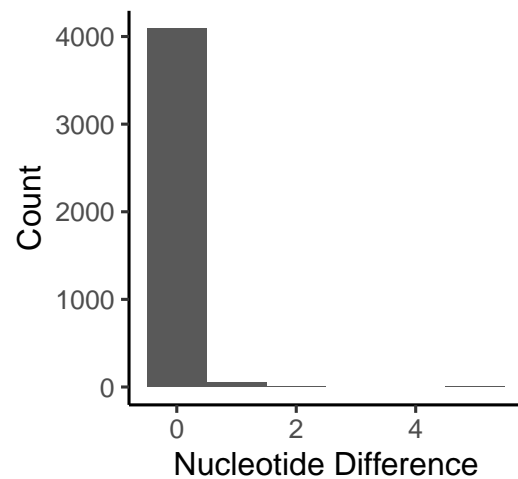
### TRBV4-2\*ap01

3463 sequences assigned  
3430 (99%) exact matches, in which:  
3365 unique CDR3  
13 unique J



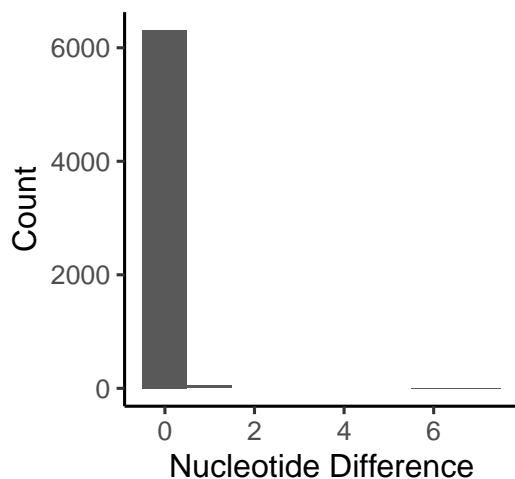
### TRBV25-1\*ap01

4144 sequences assigned  
4089 (98.7%) exact matches, in which:  
3982 unique CDR3  
14 unique J



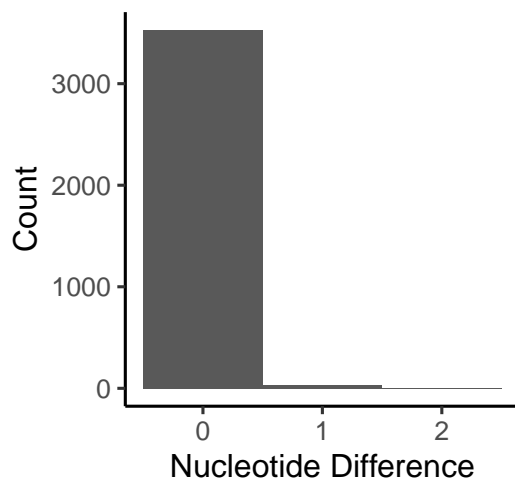
### TRBV4-1\*ap01

6366 sequences assigned  
6312 (99.2%) exact matches, in which:  
6178 unique CDR3  
13 unique J



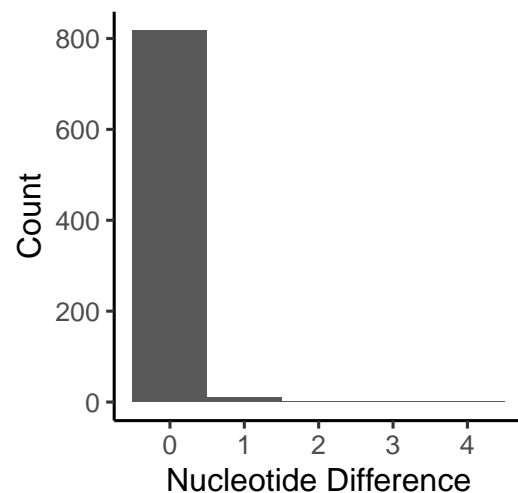
### TRBV4-3\*ap01

3559 sequences assigned  
3528 (99.1%) exact matches, in which:  
3463 unique CDR3  
13 unique J



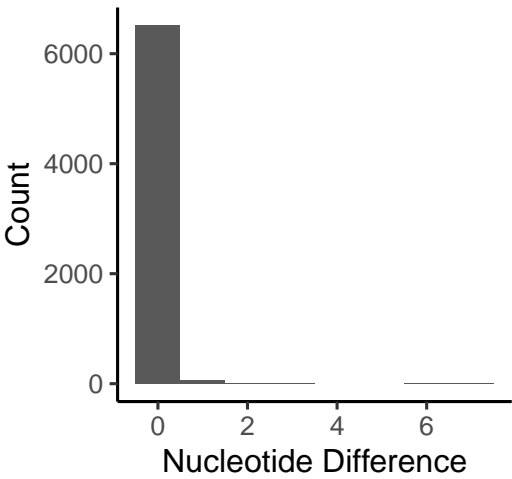
### TRBV5-3\*ap01

833 sequences assigned  
818 (98.2%) exact matches, in which:  
802 unique CDR3  
13 unique J



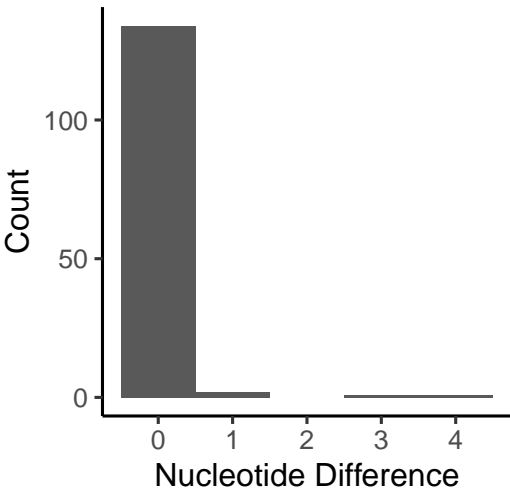
TRBV5-4\*ap01

6590 sequences assigned  
6514 (98.8%) exact matches, in which:  
6371 unique CDR3  
13 unique J



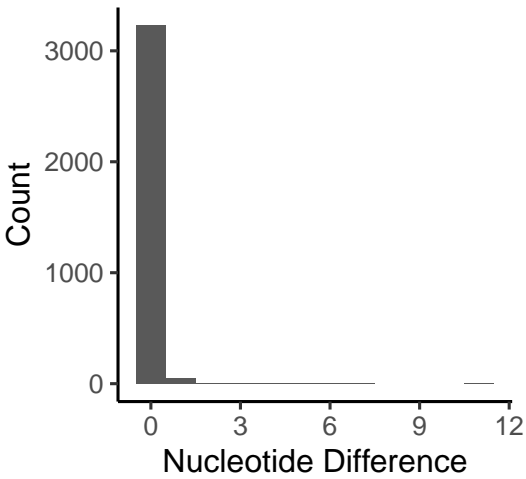
TRBV5-7\*ap01

138 sequences assigned  
134 (97.1%) exact matches, in which:  
131 unique CDR3  
13 unique J



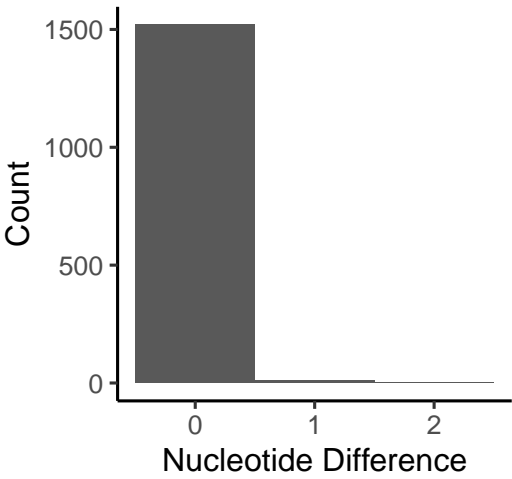
TRBV6-4\*ap01

3289 sequences assigned  
3229 (98.2%) exact matches, in which:  
3199 unique CDR3  
13 unique J



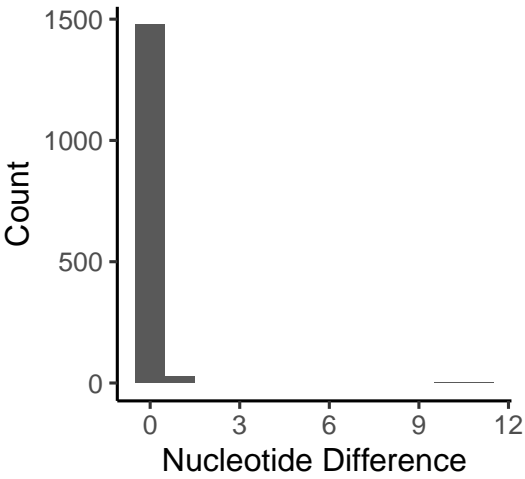
TRBV5-5\*ap01

1533 sequences assigned  
1520 (99.2%) exact matches, in which:  
1509 unique CDR3  
13 unique J



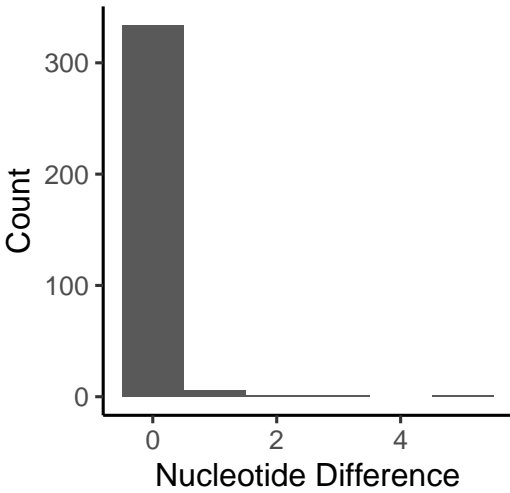
TRBV5-8\*ap01

1506 sequences assigned  
1477 (98.1%) exact matches, in which:  
1468 unique CDR3  
13 unique J



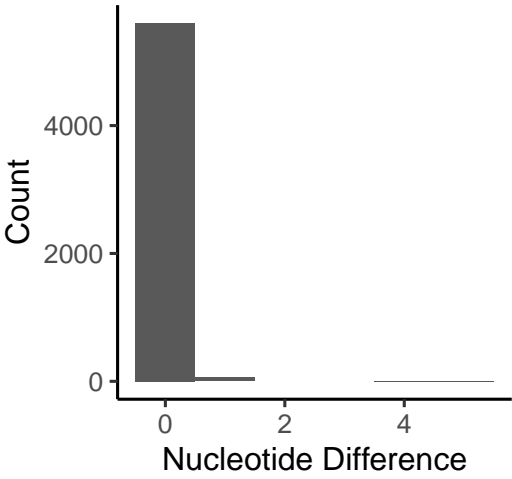
TRBV6-7\*ap01

343 sequences assigned  
334 (97.4%) exact matches, in which:  
325 unique CDR3  
12 unique J



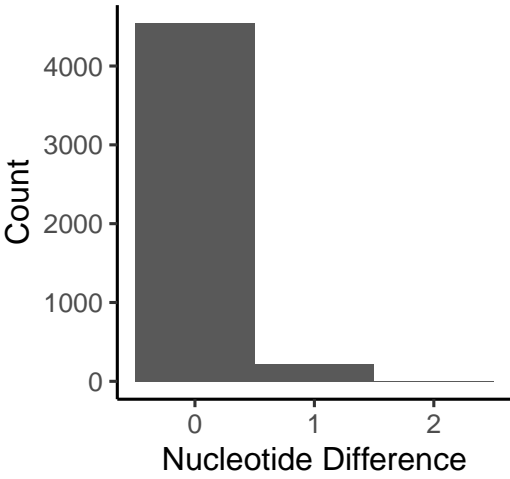
TRBV5-6\*ap01

5668 sequences assigned  
5604 (98.9%) exact matches, in which:  
5444 unique CDR3  
13 unique J



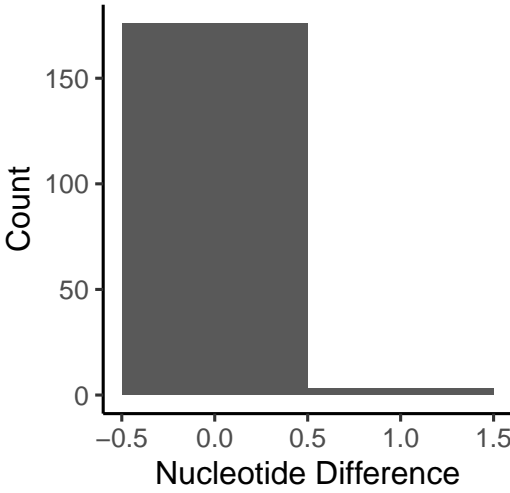
TRBV6-1\*ap01

4767 sequences assigned  
4545 (95.3%) exact matches, in which:  
4455 unique CDR3  
13 unique J



TRBV6-8\*ap01

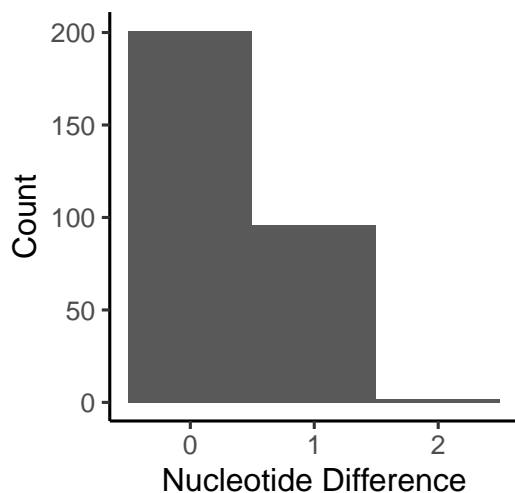
179 sequences assigned  
176 (98.3%) exact matches, in which:  
172 unique CDR3  
13 unique J





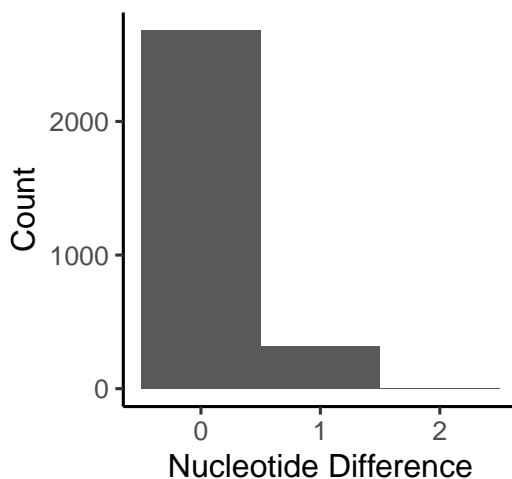
### TRBV6-9\*ap01

299 sequences assigned  
201 (67.2%) exact matches, in which:  
195 unique CDR3  
13 unique J



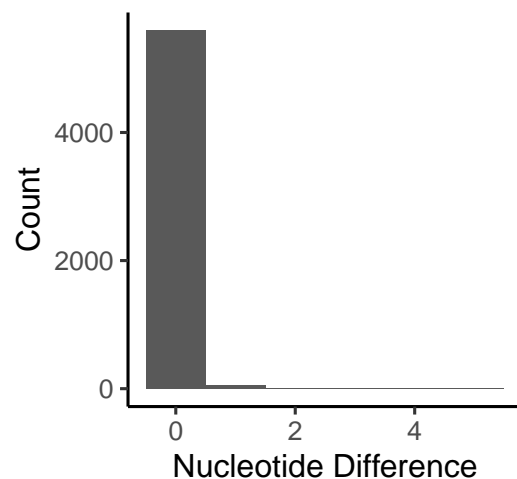
### TRBV6-56\*ap02

3002 sequences assigned  
2681 (89.3%) exact matches, in which:  
2615 unique CDR3  
13 unique J



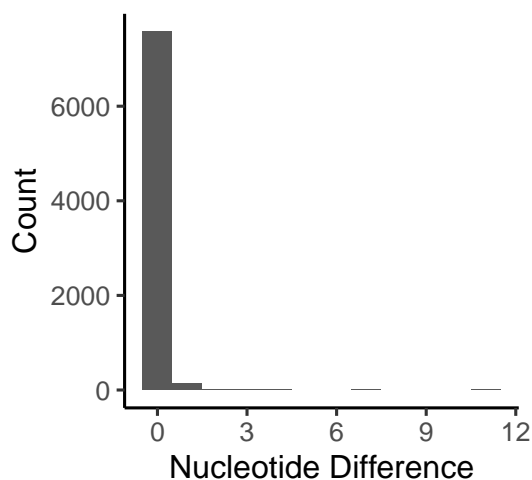
### TRBV7-3\*ap01

5648 sequences assigned  
5594 (99%) exact matches, in which:  
5521 unique CDR3  
13 unique J



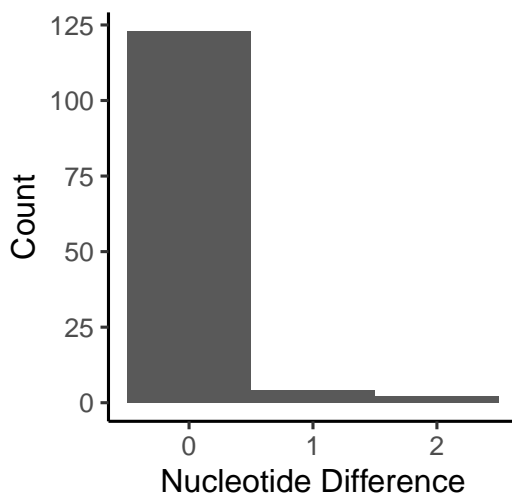
### TRBV6-23\*ap01

7719 sequences assigned  
7575 (98.1%) exact matches, in which:  
7390 unique CDR3  
13 unique J



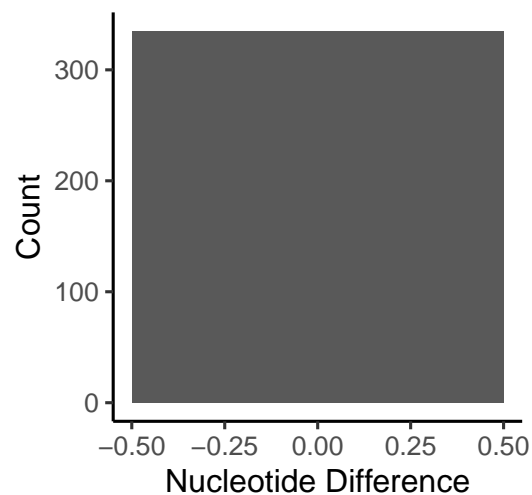
### TRBV7-1\*ap01\_G291C\_

129 sequences assigned  
123 (95.3%) exact matches, in which:  
120 unique CDR3  
12 unique J



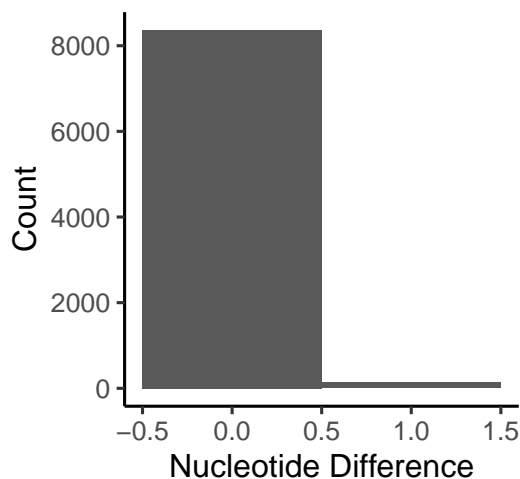
### TRBV7-4\*ap01

335 sequences assigned  
335 (100%) exact matches, in which:  
331 unique CDR3  
13 unique J



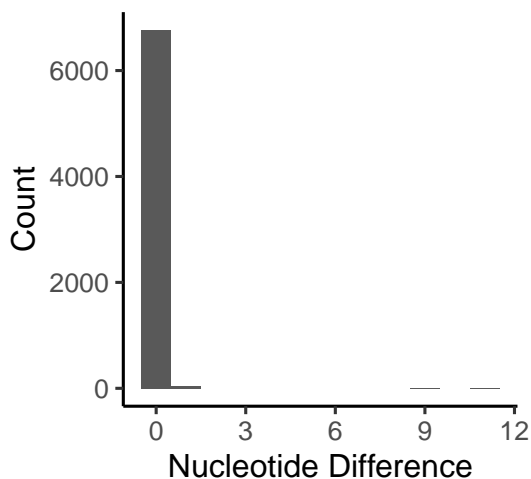
### TRBV6-56\*ap01

8499 sequences assigned  
8366 (98.4%) exact matches, in which:  
8177 unique CDR3  
13 unique J



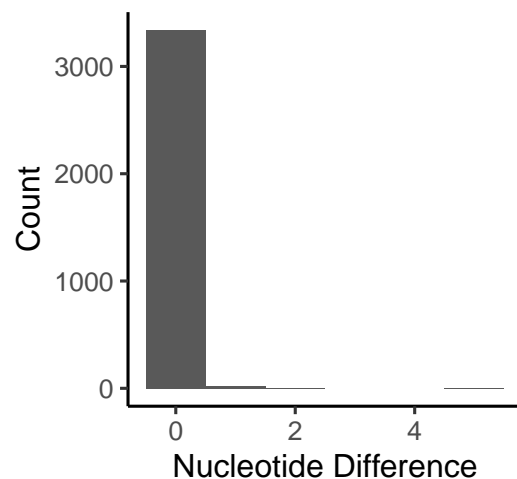
### TRBV7-2\*ap01

6816 sequences assigned  
6765 (99.3%) exact matches, in which:  
6669 unique CDR3  
13 unique J



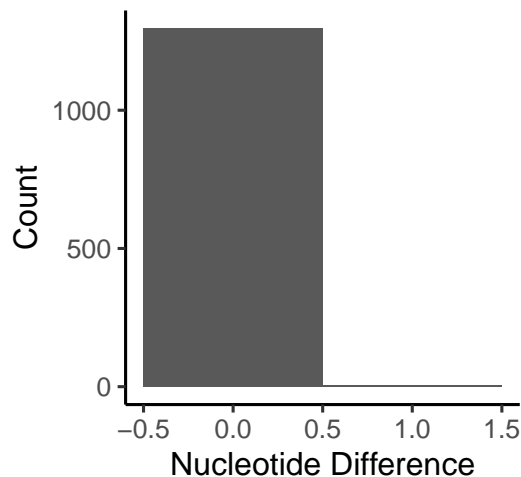
### TRBV7-6\*ap01

3364 sequences assigned  
3339 (99.3%) exact matches, in which:  
3273 unique CDR3  
13 unique J



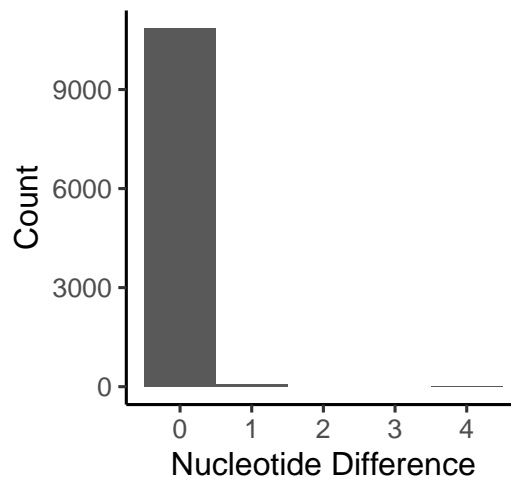
### TRBV7-7\*ap01\_C315T

1303 sequences assigned  
1296 (99.5%) exact matches, in which:  
1269 unique CDR3  
13 unique J



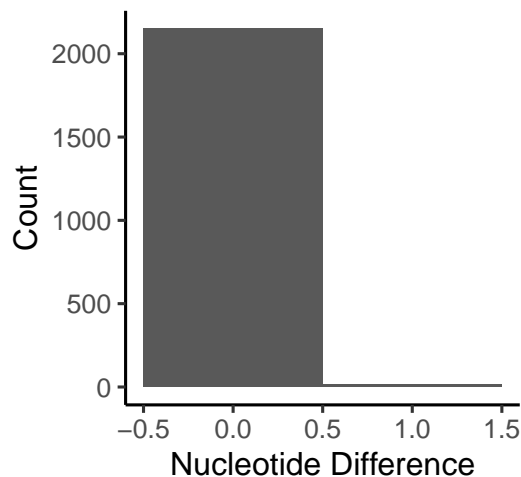
### TRBV7-9\*ap01

10918 sequences assigned  
10851 (99.4%) exact matches, in which:  
10700 unique CDR3  
13 unique J



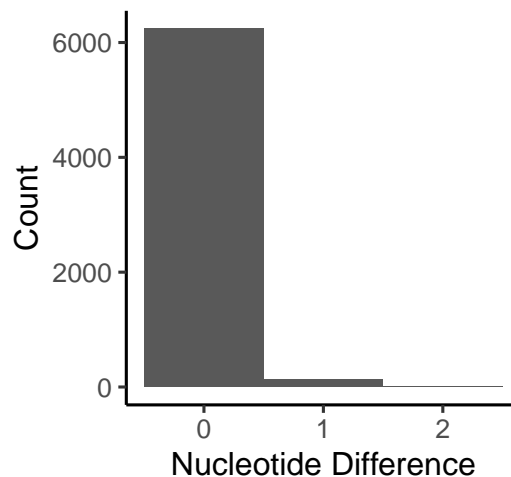
### TRBV7-8\*ap01

2168 sequences assigned  
2150 (99.2%) exact matches, in which:  
2112 unique CDR3  
13 unique J



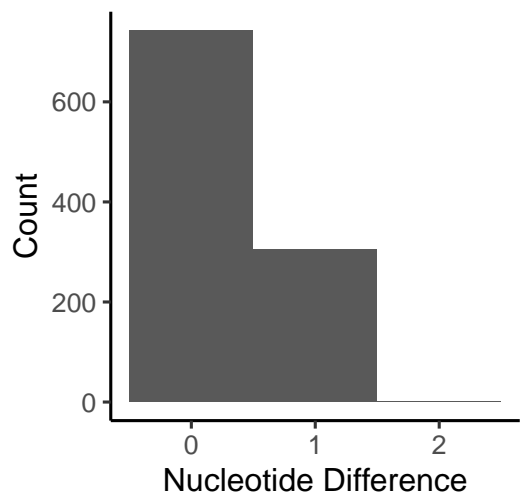
### TRBV29-1\*ap01

6379 sequences assigned  
6240 (97.8%) exact matches, in which:  
6051 unique CDR3  
13 unique J



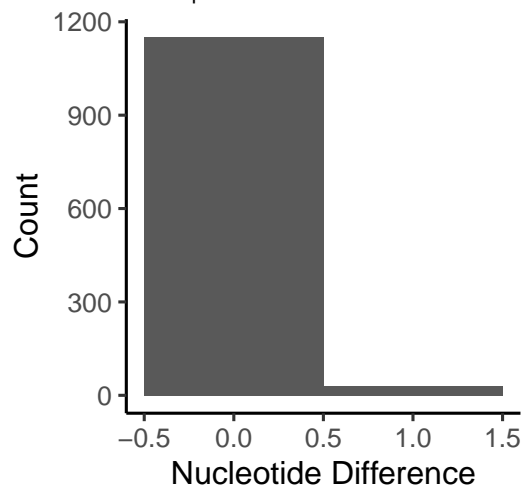
### TRBV7-8\*ap03

1049 sequences assigned  
743 (70.8%) exact matches, in which:  
733 unique CDR3  
13 unique J

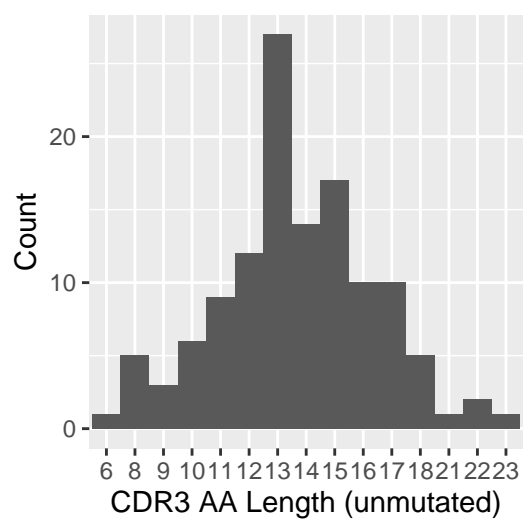


### TRBV29-1\*ap02

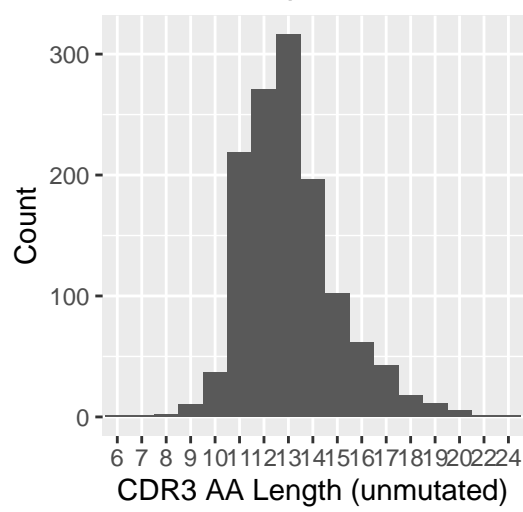
1181 sequences assigned  
1151 (97.5%) exact matches, in which:  
1118 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.