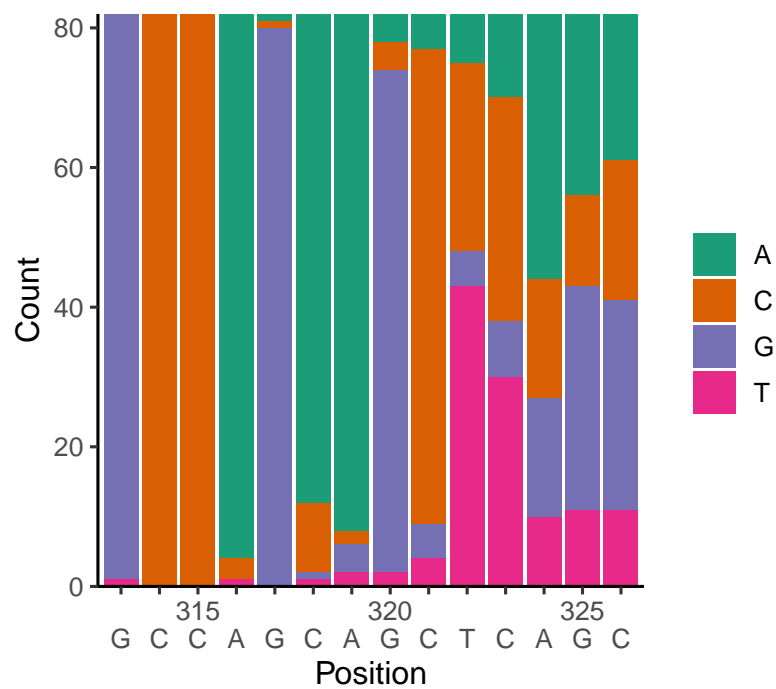
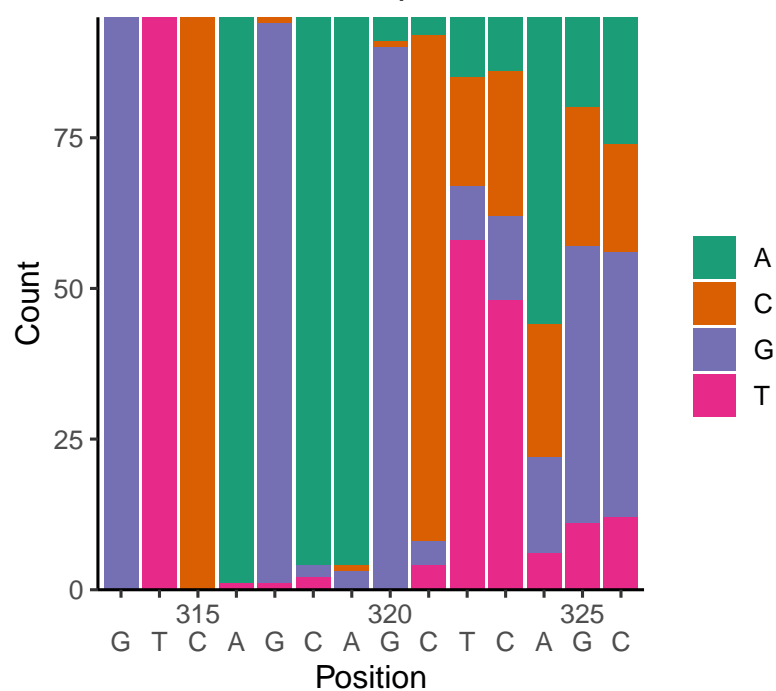


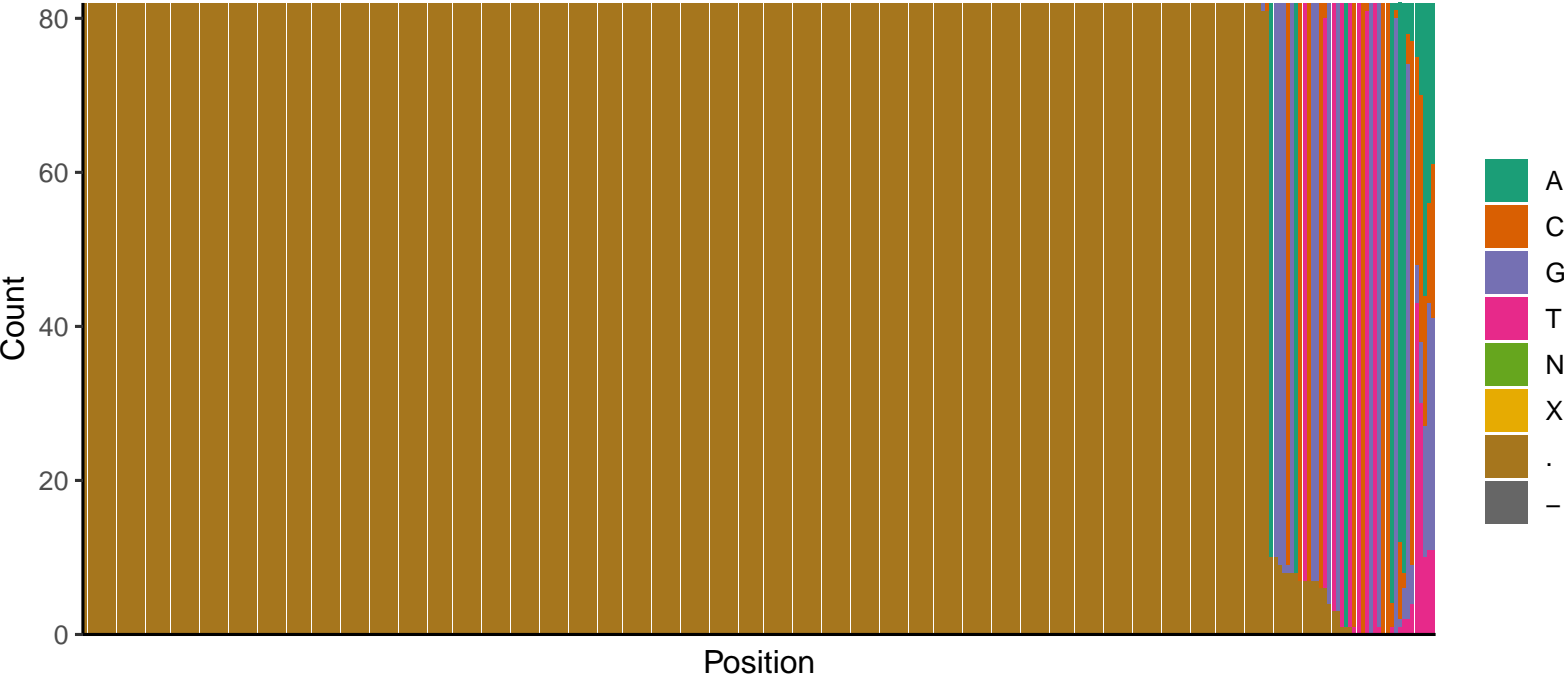
Gene TRBV7-1\*ap01\_G291C\_T296C



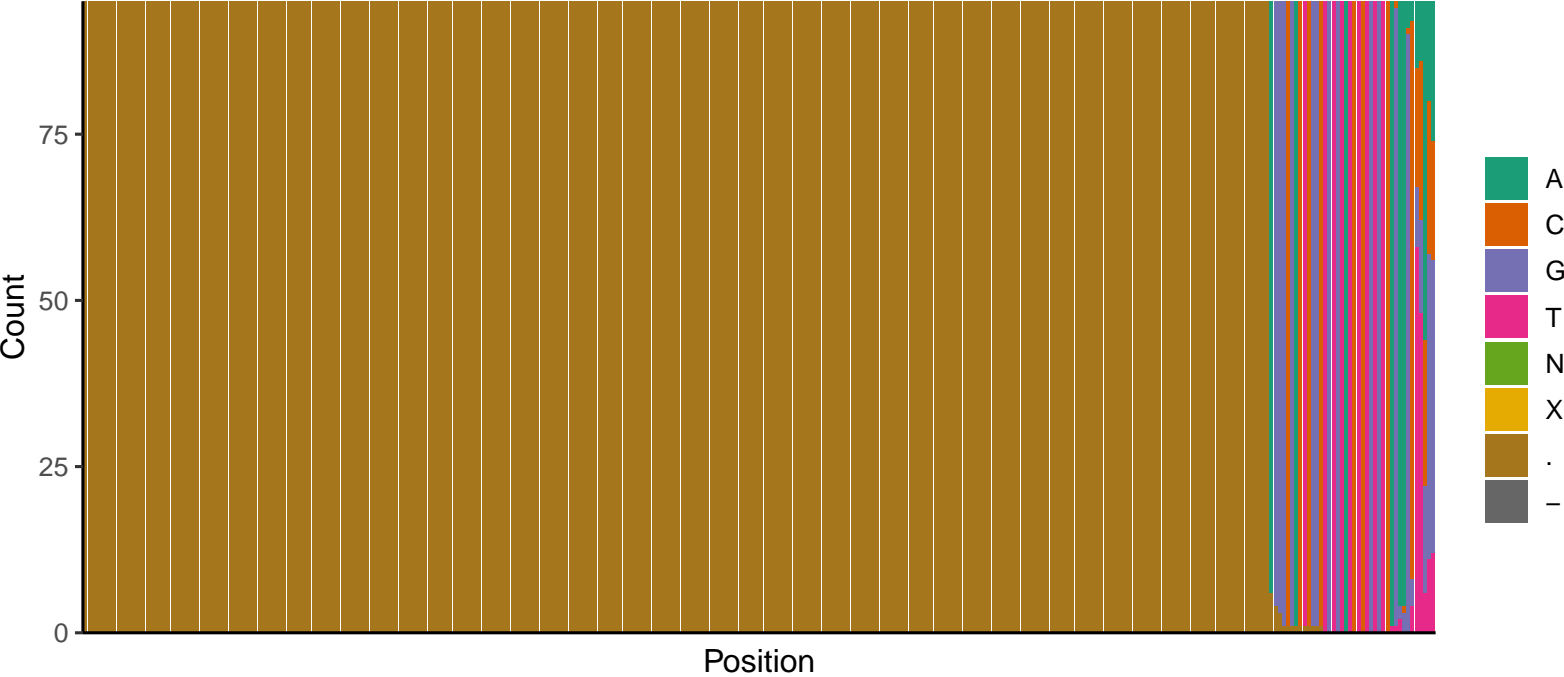
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



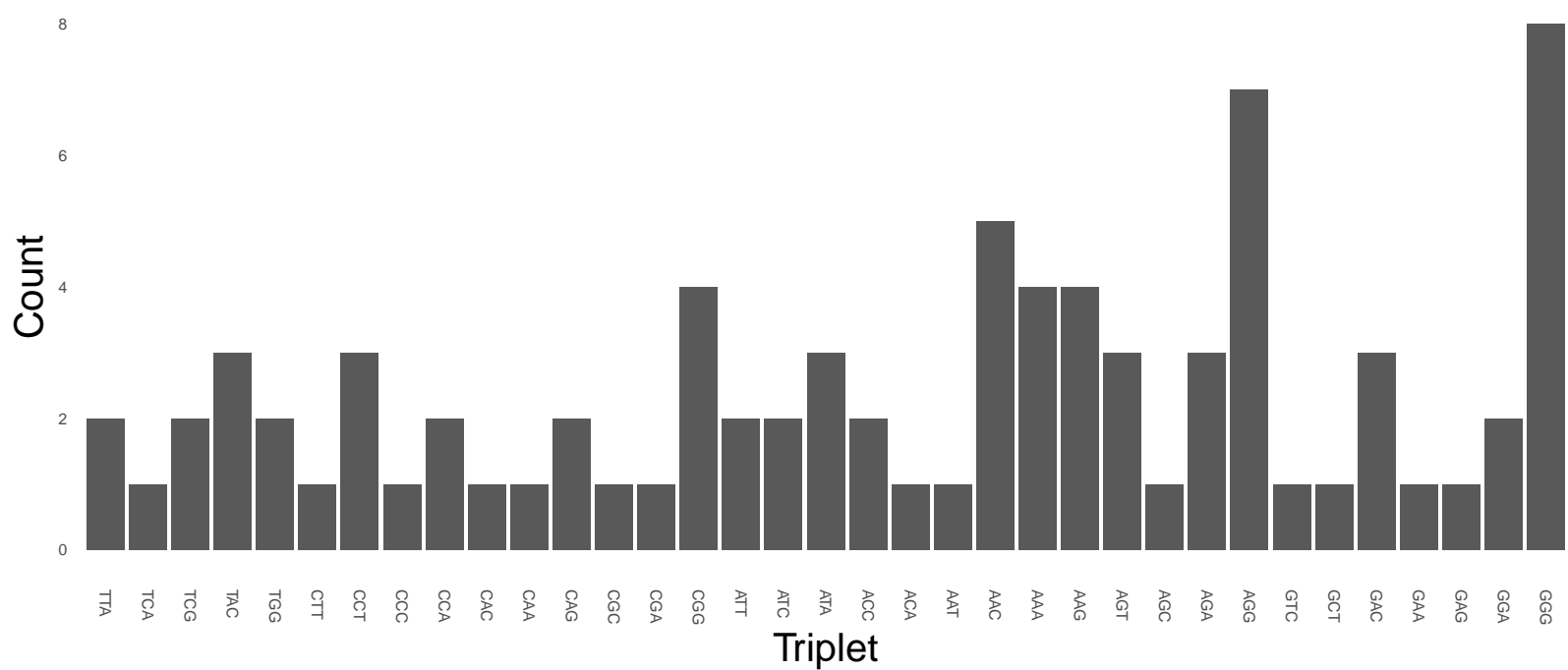
Gene TRBV7-1\*ap01\_G291C\_T296C



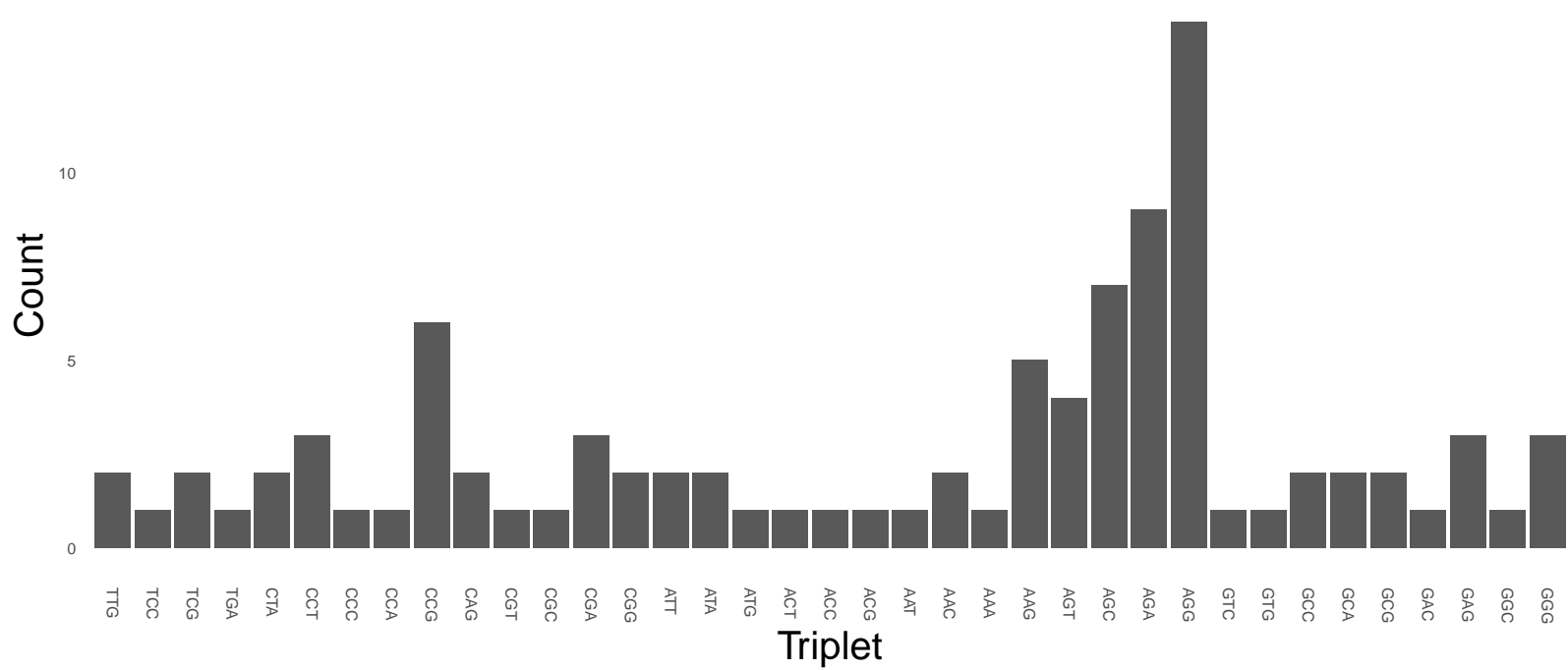
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



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

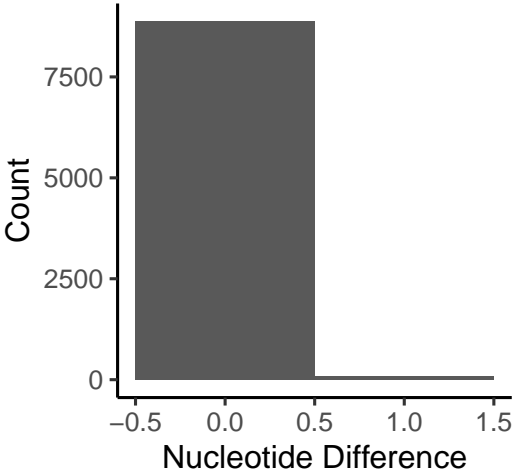


TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



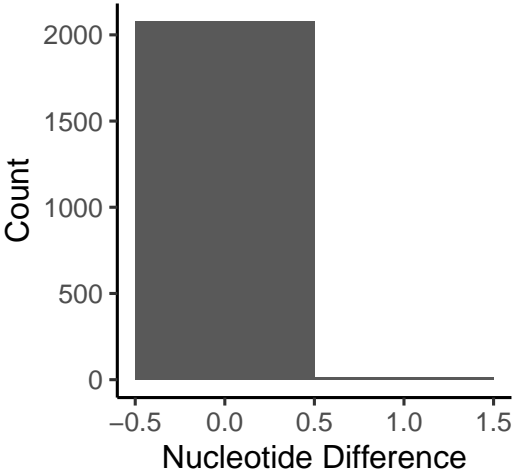
TRBV20-1\*ap01

8974 sequences assigned  
8875 (98.9%) exact matches, in which:  
8752 unique CDR3  
13 unique J



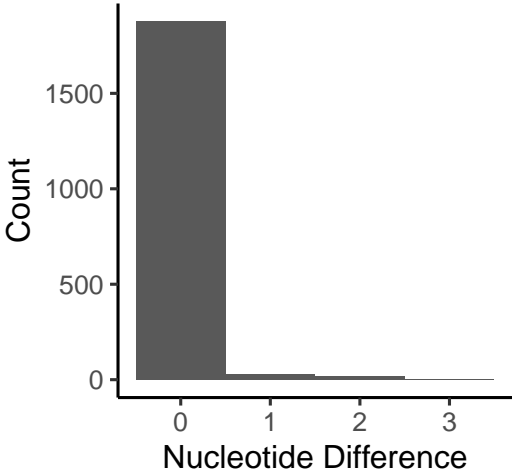
TRBV10-2\*ap01

2091 sequences assigned  
2078 (99.4%) exact matches, in which:  
2036 unique CDR3  
13 unique J



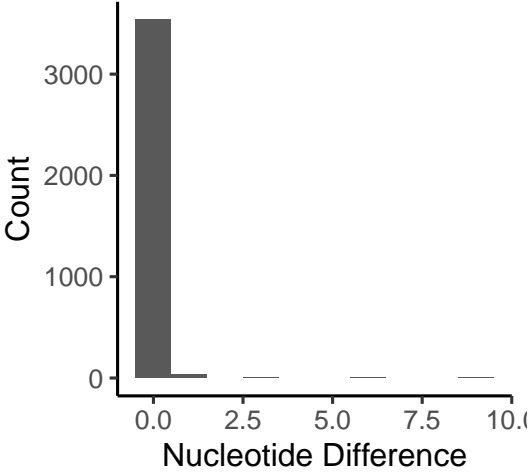
TRBV13\*ap01

1924 sequences assigned  
1877 (97.6%) exact matches, in which:  
1839 unique CDR3  
13 unique J



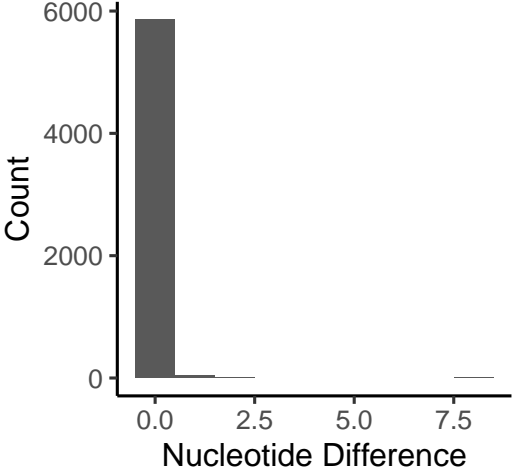
TRBV10-1\*ap01

3573 sequences assigned  
3537 (99%) exact matches, in which:  
3467 unique CDR3  
13 unique J



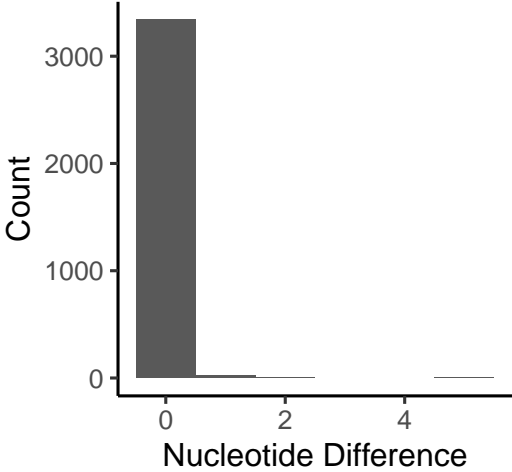
TRBV10-3\*ap01

5910 sequences assigned  
5858 (99.1%) exact matches, in which:  
5748 unique CDR3  
13 unique J



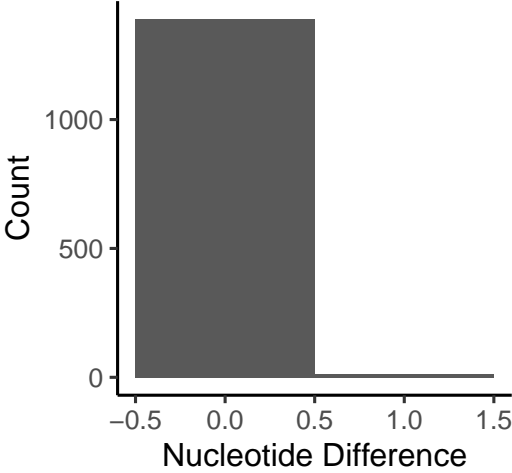
TRBV14\*ap01

3365 sequences assigned  
3340 (99.3%) exact matches, in which:  
3292 unique CDR3  
13 unique J



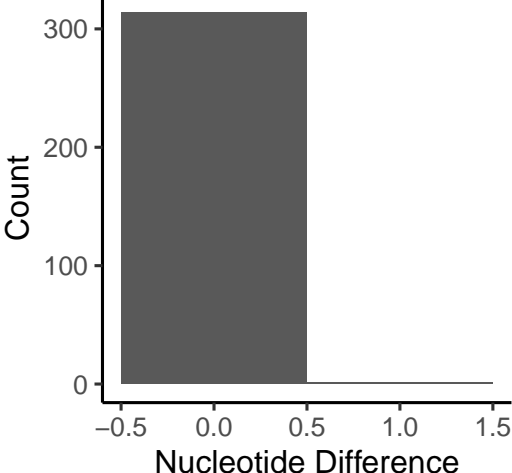
TRBV20-1\*ap02

1402 sequences assigned  
1390 (99.1%) exact matches, in which:  
1377 unique CDR3  
13 unique J



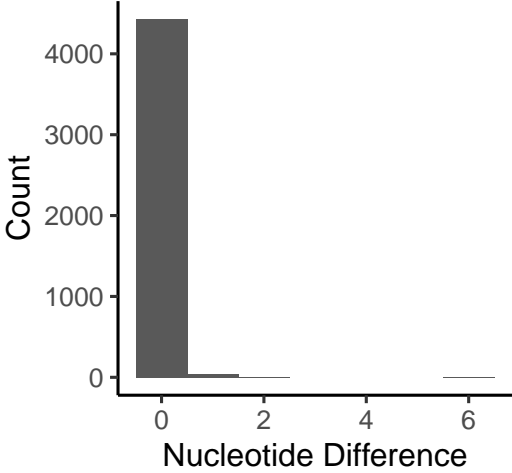
TRBV1\*ap01

315 sequences assigned  
314 (99.7%) exact matches, in which:  
307 unique CDR3  
13 unique J



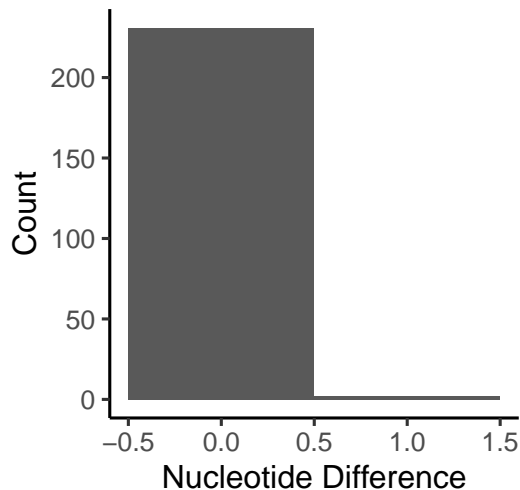
TRBV15\*ap02

4477 sequences assigned  
4430 (99%) exact matches, in which:  
4348 unique CDR3  
13 unique J



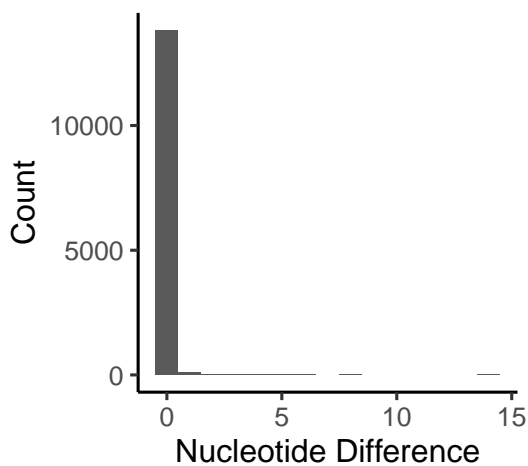
### TRBV16\*ap01

233 sequences assigned  
231 (99.1%) exact matches, in which:  
227 unique CDR3  
13 unique J



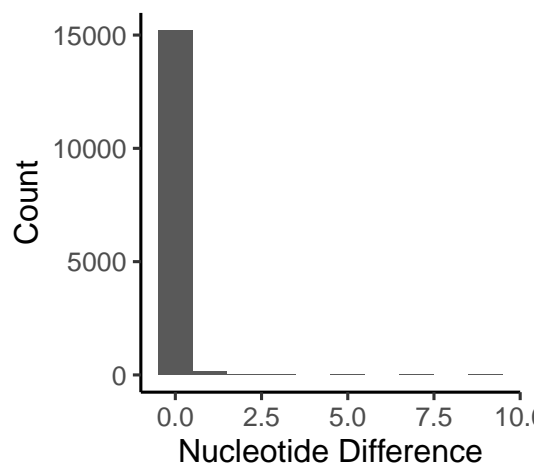
### TRBV19\*ap01

13934 sequences assigned  
13824 (99.2%) exact matches, in which:  
13712 unique CDR3  
13 unique J



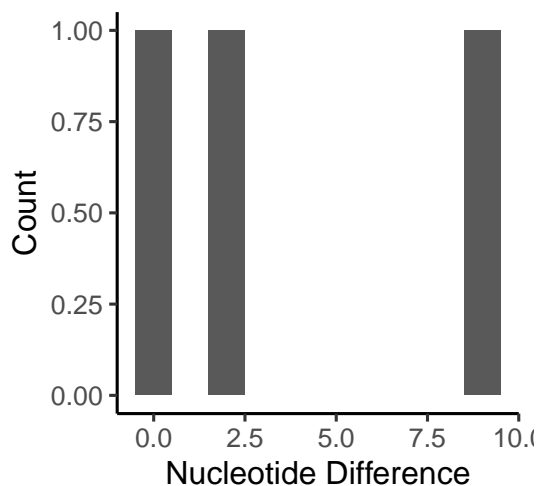
### TRBV27\*ap01

15399 sequences assigned  
15217 (98.8%) exact matches, in which:  
14908 unique CDR3  
13 unique J



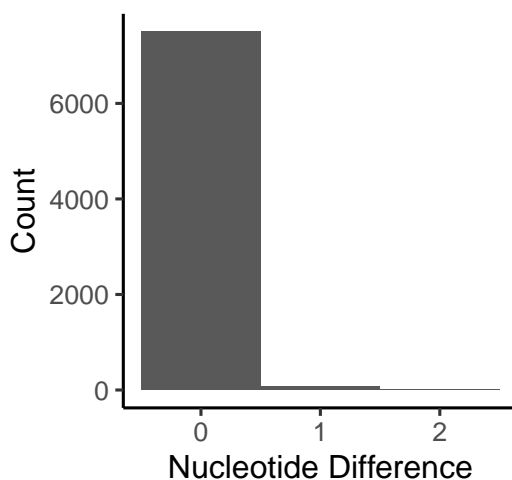
### TRBV17\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



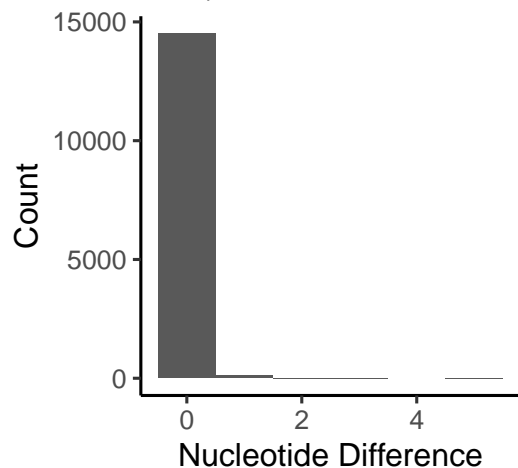
### TRBV2\*ap01

7586 sequences assigned  
7501 (98.9%) exact matches, in which:  
7394 unique CDR3  
13 unique J



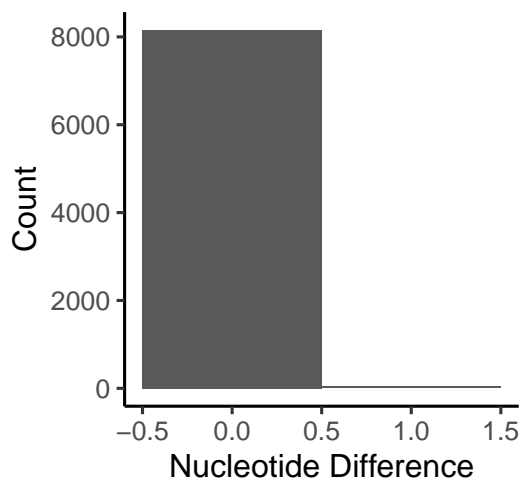
### TRBV28\*ap01

14645 sequences assigned  
14513 (99.1%) exact matches, in which:  
14312 unique CDR3  
13 unique J



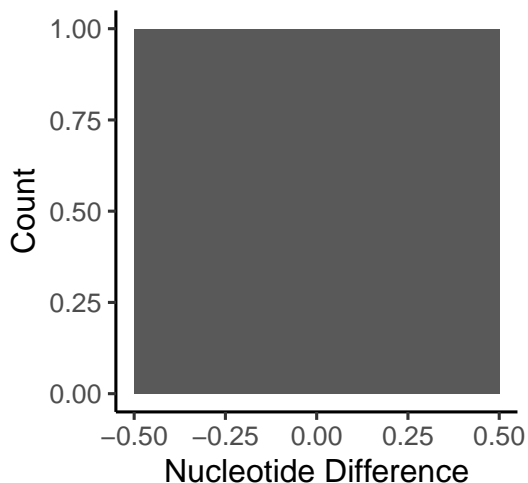
### TRBV18\*ap01

8195 sequences assigned  
8156 (99.5%) exact matches, in which:  
8068 unique CDR3  
13 unique J



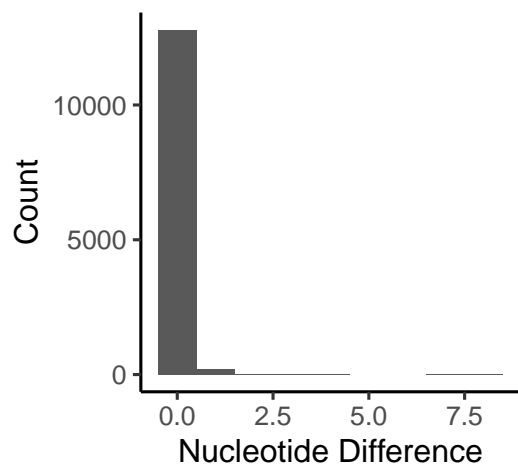
### TRBV26\*ap01

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



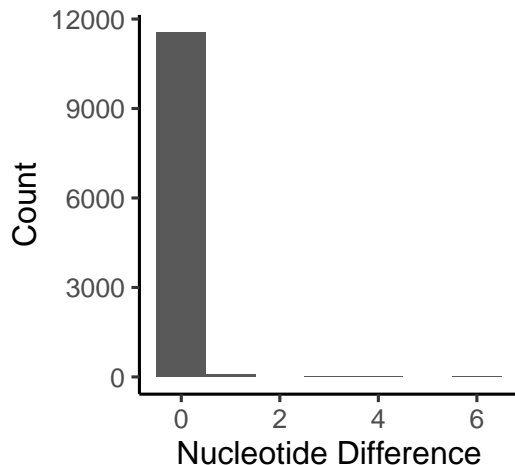
### TRBV30\*ap01

13008 sequences assigned  
12788 (98.3%) exact matches, in which:  
12614 unique CDR3  
13 unique J



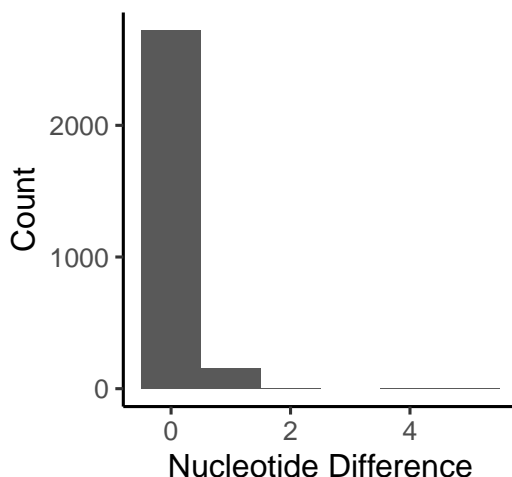
### TRBV9\*ap01

11664 sequences assigned  
11560 (99.1%) exact matches, in which:  
11381 unique CDR3  
13 unique J



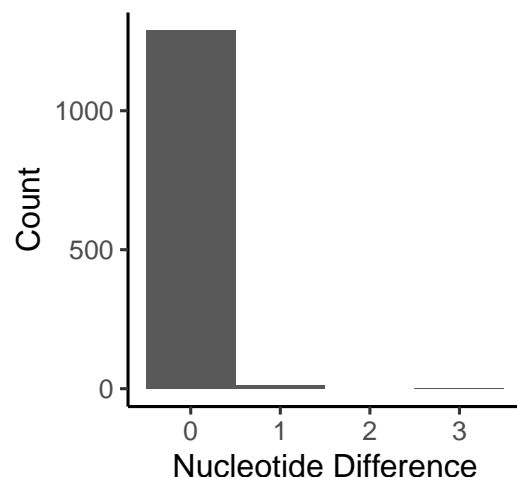
### TRBV11-3\*ap01

2883 sequences assigned  
2721 (94.4%) exact matches, in which:  
2685 unique CDR3  
13 unique J



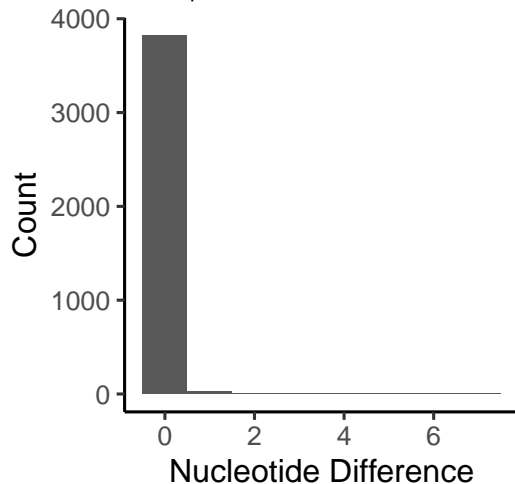
### TRBV12-5\*ap01

1301 sequences assigned  
1289 (99.1%) exact matches, in which:  
1276 unique CDR3  
13 unique J



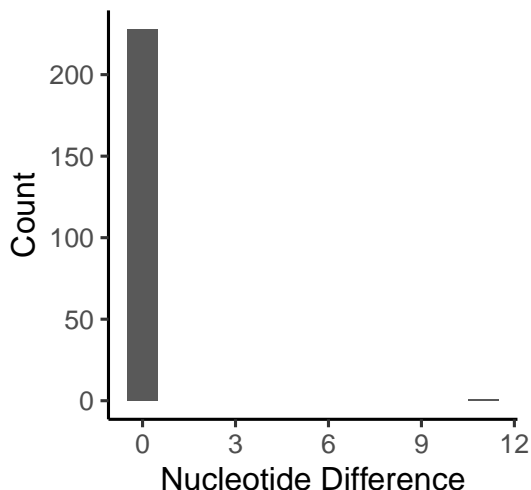
### TRBV21-1\*ap01

3868 sequences assigned  
3819 (98.7%) exact matches, in which:  
3776 unique CDR3  
13 unique J



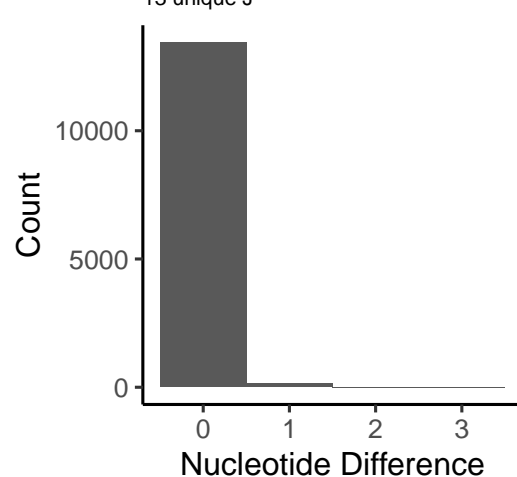
### TRBV12-1\*ap01

229 sequences assigned  
228 (99.6%) exact matches, in which:  
225 unique CDR3  
13 unique J



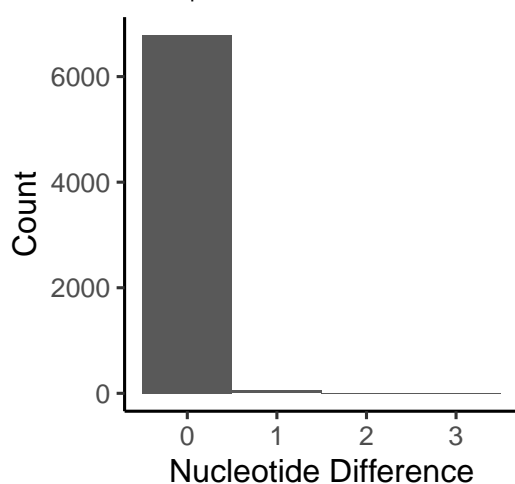
### TRBV12-34\*ap01

13599 sequences assigned  
13441 (98.8%) exact matches, in which:  
13262 unique CDR3  
13 unique J



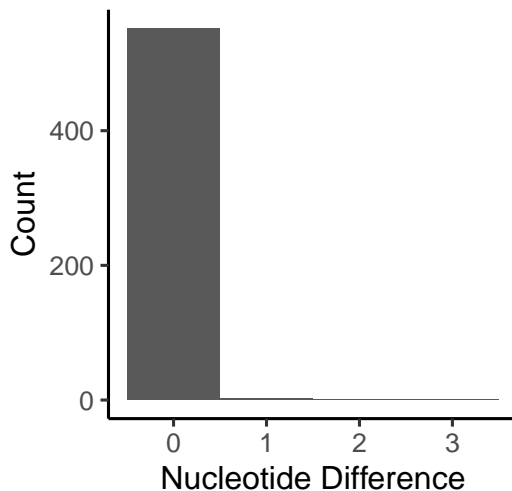
### TRBV11-2\*ap01

6846 sequences assigned  
6787 (99.1%) exact matches, in which:  
6663 unique CDR3  
13 unique J



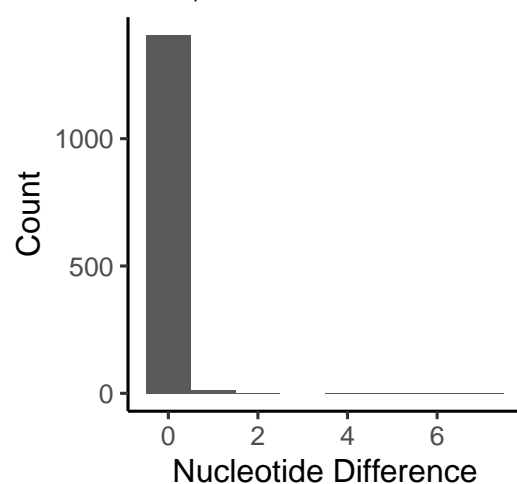
### TRBV12-2\*ap01

556 sequences assigned  
552 (99.3%) exact matches, in which:  
544 unique CDR3  
13 unique J



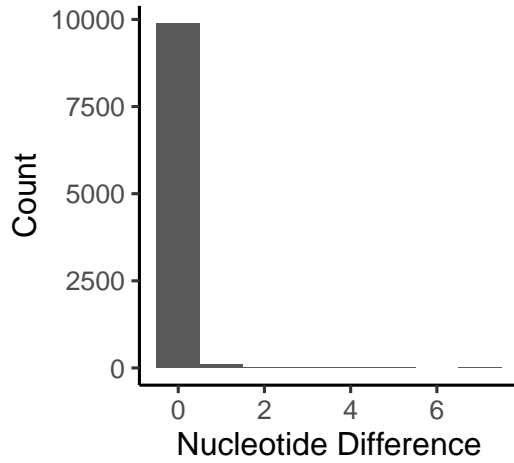
### TRBV23-1\*ap01

1426 sequences assigned  
1407 (98.7%) exact matches, in which:  
1395 unique CDR3  
13 unique J



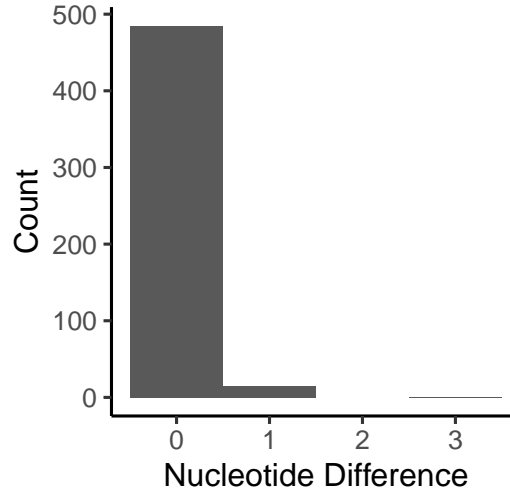
### TRBV3-12\*ap01

9993 sequences assigned  
9894 (99%) exact matches, in which:  
9734 unique CDR3  
13 unique J



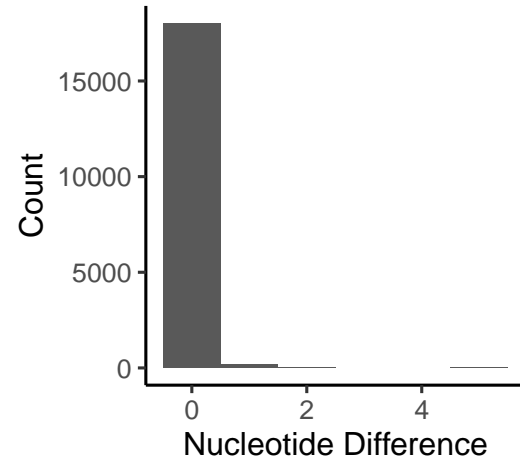
### TRBV4-2\*ap01

501 sequences assigned  
485 (96.8%) exact matches, in which:  
480 unique CDR3  
13 unique J



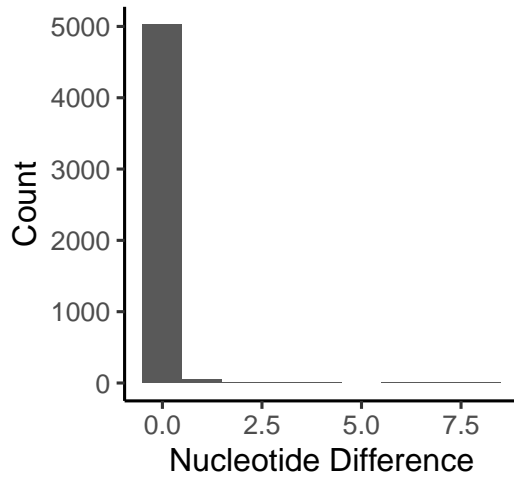
### TRBV5-1\*ap01

18220 sequences assigned  
18022 (98.9%) exact matches, in which:  
17657 unique CDR3  
13 unique J



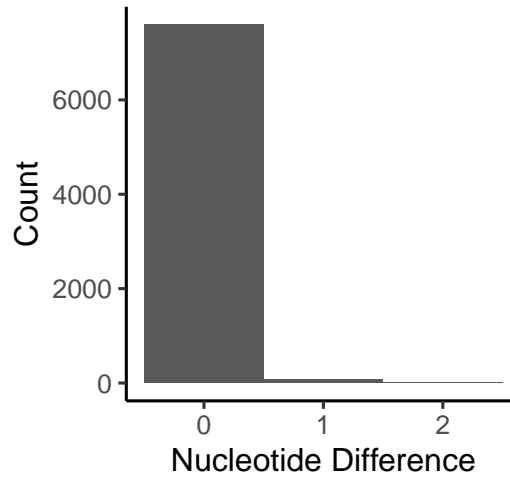
### TRBV4-1\*ap01

5088 sequences assigned  
5024 (98.7%) exact matches, in which:  
4940 unique CDR3  
13 unique J



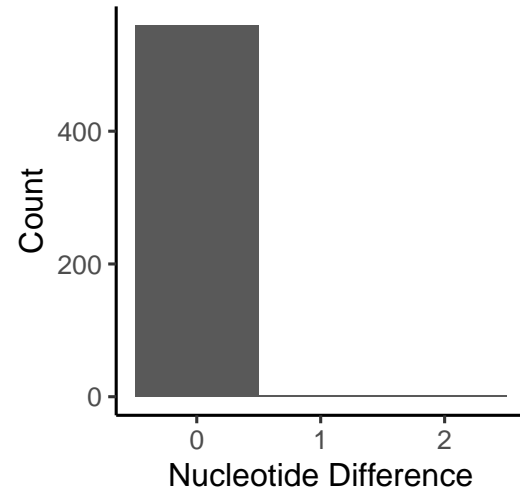
### TRBV4-3\*ap01

7676 sequences assigned  
7593 (98.9%) exact matches, in which:  
7464 unique CDR3  
13 unique J



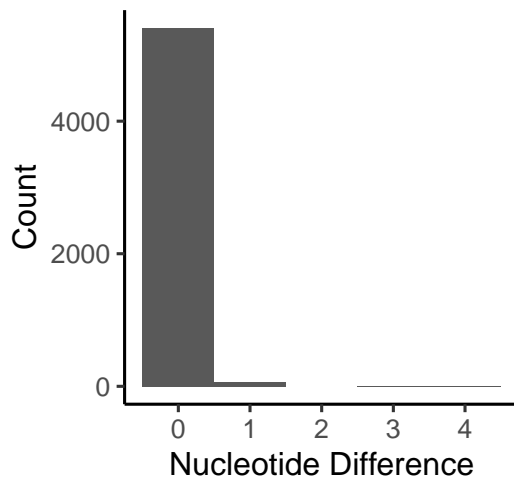
### TRBV5-3\*ap01

565 sequences assigned  
560 (99.1%) exact matches, in which:  
552 unique CDR3  
13 unique J



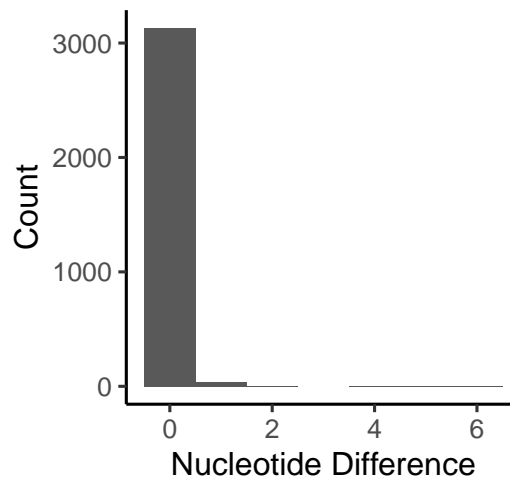
### TRBV24-1\*ap01

5474 sequences assigned  
5405 (98.7%) exact matches, in which:  
5335 unique CDR3  
13 unique J



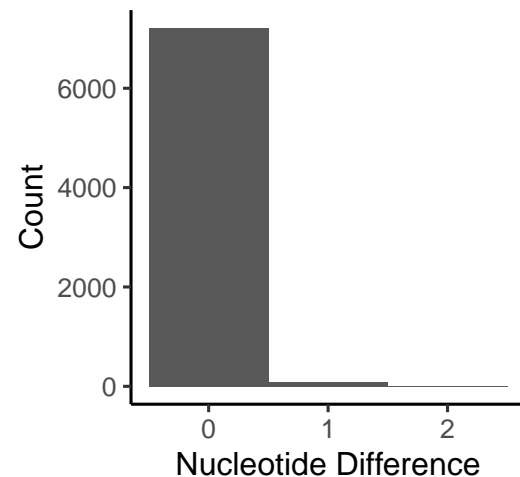
### TRBV25-1\*ap01

3176 sequences assigned  
3131 (98.6%) exact matches, in which:  
3063 unique CDR3  
13 unique J



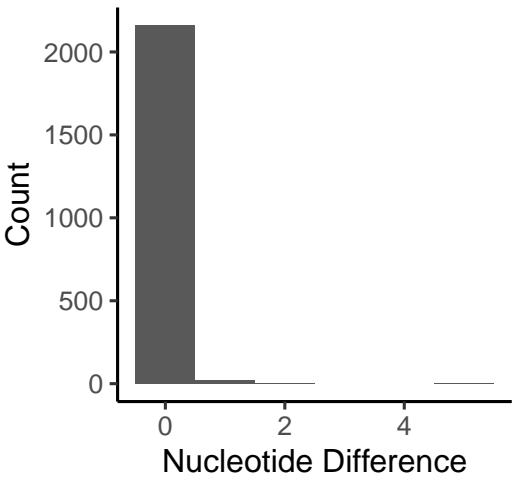
### TRBV5-4\*ap01

7303 sequences assigned  
7212 (98.8%) exact matches, in which:  
7070 unique CDR3  
13 unique J



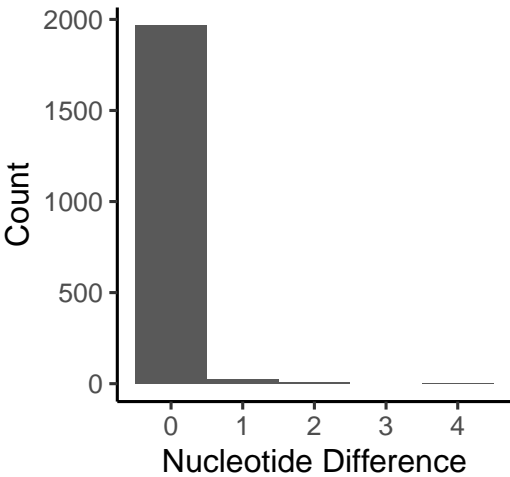
TRBV5-5\*ap01

2184 sequences assigned  
2160 (98.9%) exact matches, in which:  
2139 unique CDR3  
13 unique J



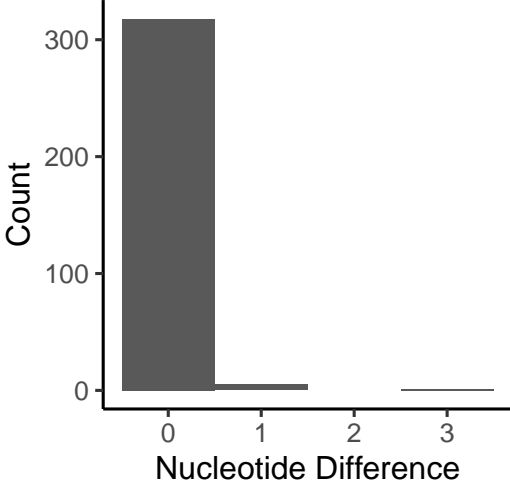
TRBV5-8\*ap01

2002 sequences assigned  
1967 (98.3%) exact matches, in which:  
1943 unique CDR3  
13 unique J



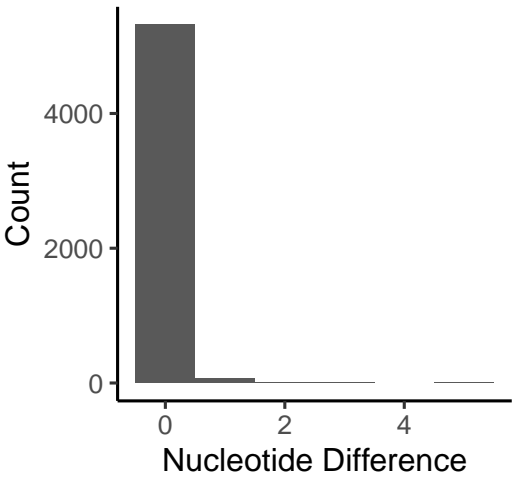
TRBV6-7\*ap01

324 sequences assigned  
318 (98.1%) exact matches, in which:  
309 unique CDR3  
13 unique J



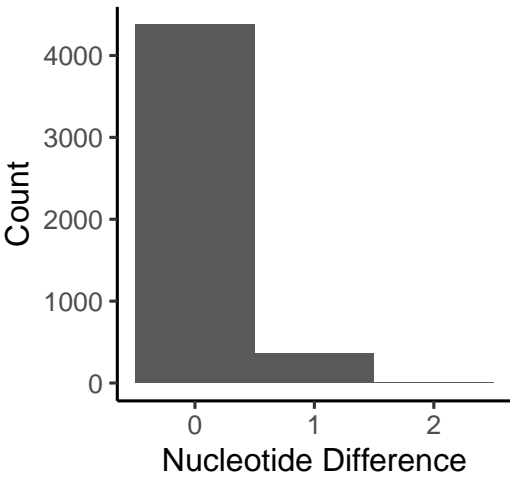
TRBV5-6\*ap01

5384 sequences assigned  
5317 (98.8%) exact matches, in which:  
5193 unique CDR3  
13 unique J



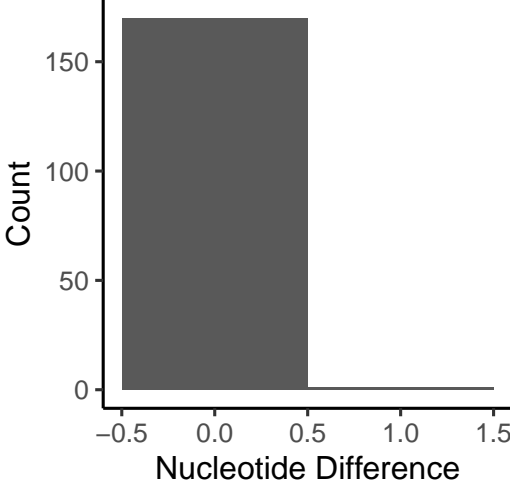
TRBV6-1\*ap01

4740 sequences assigned  
4376 (92.3%) exact matches, in which:  
4292 unique CDR3  
13 unique J



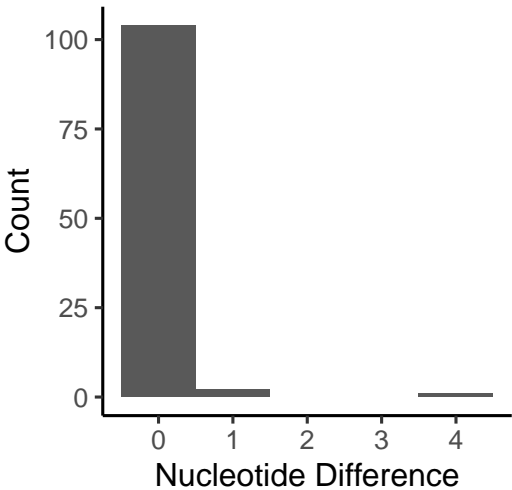
TRBV6-8\*ap01

171 sequences assigned  
170 (99.4%) exact matches, in which:  
166 unique CDR3  
12 unique J



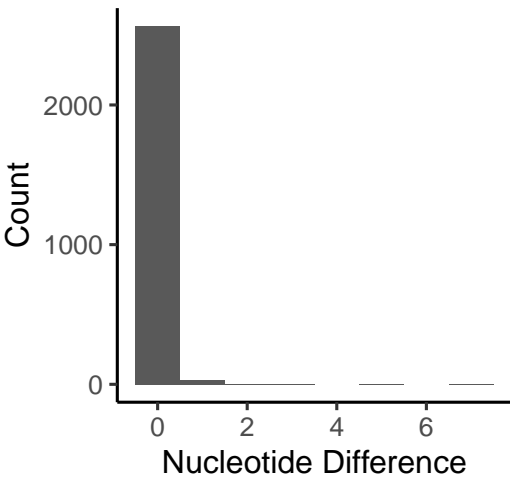
TRBV5-7\*ap01

107 sequences assigned  
104 (97.2%) exact matches, in which:  
104 unique CDR3  
13 unique J



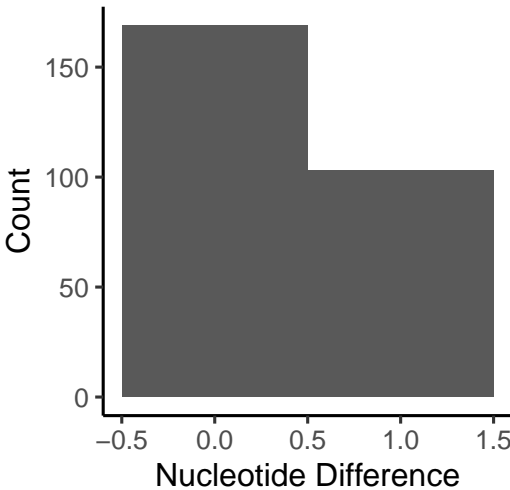
TRBV6-4\*ap01

2602 sequences assigned  
2565 (98.6%) exact matches, in which:  
2531 unique CDR3  
13 unique J



TRBV6-9\*ap01

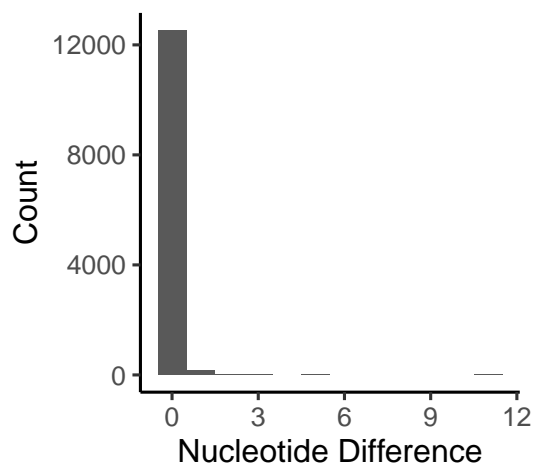
272 sequences assigned  
169 (62.1%) exact matches, in which:  
165 unique CDR3  
13 unique J





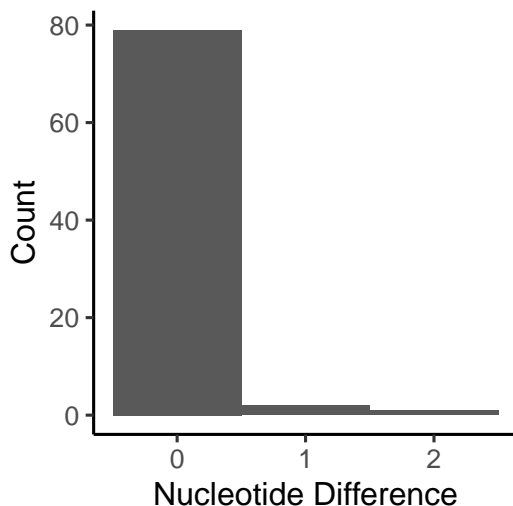
### TRBV6-23\*ap01

12712 sequences assigned  
12535 (98.6%) exact matches, in which:  
12292 unique CDR3  
13 unique J



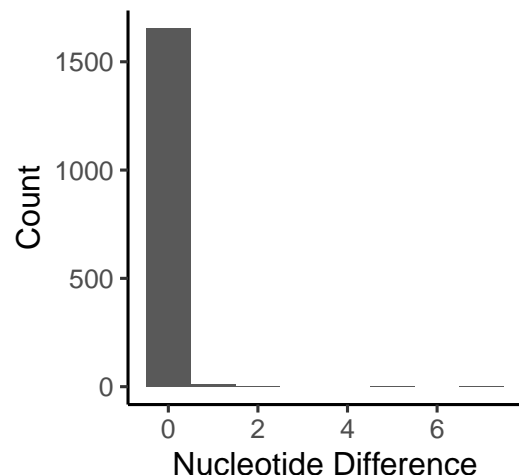
### TRBV7-1\*ap01\_G291C\_T

82 sequences assigned  
79 (96.3%) exact matches, in which:  
78 unique CDR3  
11 unique J



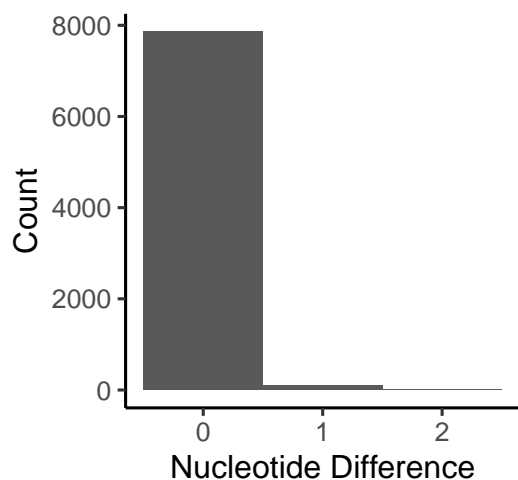
### TRBV7-3\*ap02

1672 sequences assigned  
1654 (98.9%) exact matches, in which:  
1626 unique CDR3  
13 unique J



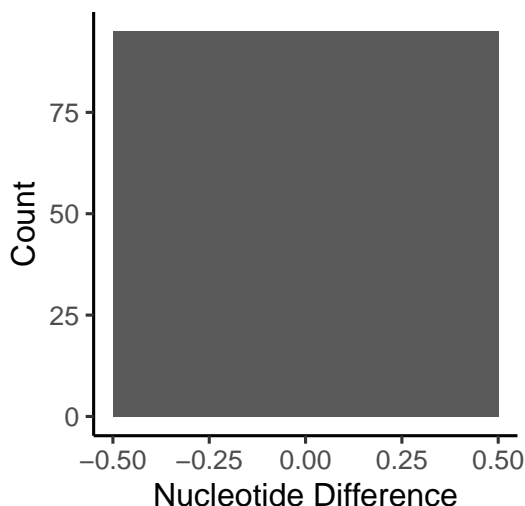
### TRBV6-56\*ap01

7953 sequences assigned  
7859 (98.8%) exact matches, in which:  
7699 unique CDR3  
13 unique J



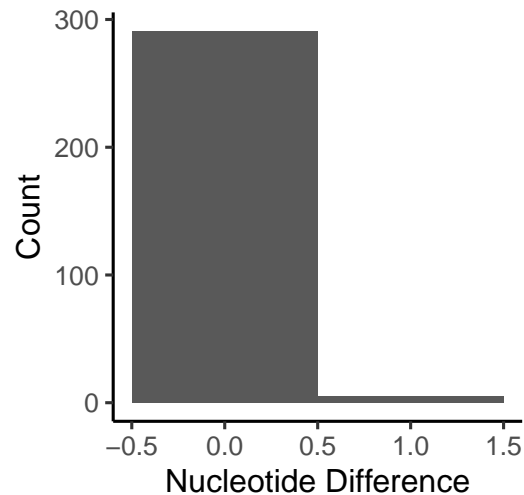
### TRBV7-1\*ap01\_G291C\_T

95 sequences assigned  
95 (100%) exact matches, in which:  
95 unique CDR3  
13 unique J



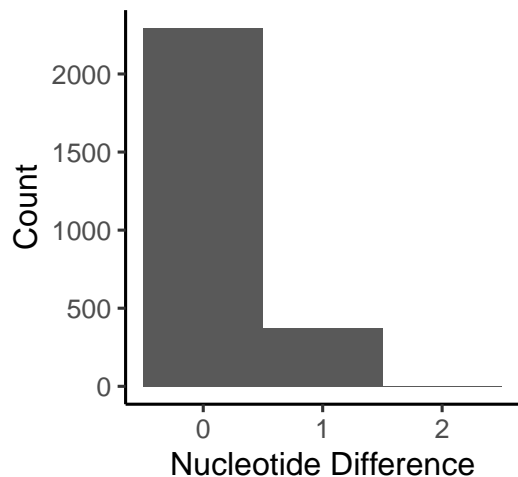
### TRBV7-4\*ap01

296 sequences assigned  
291 (98.3%) exact matches, in which:  
289 unique CDR3  
13 unique J



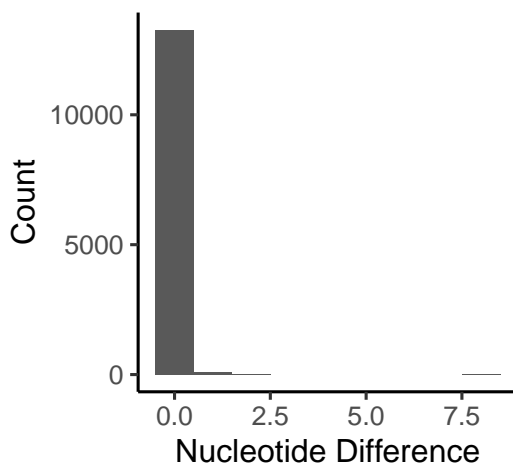
### TRBV6-56\*ap02

2668 sequences assigned  
2294 (86%) exact matches, in which:  
2257 unique CDR3  
13 unique J



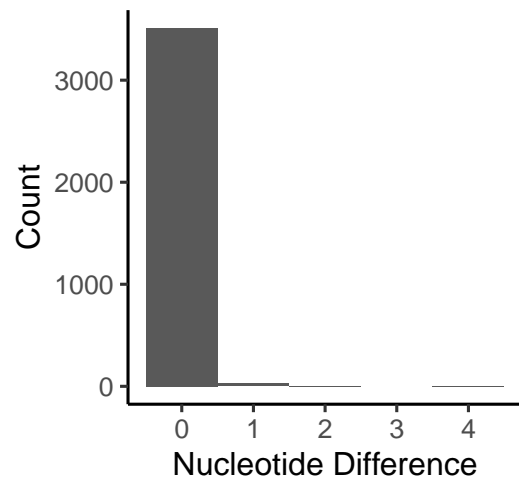
### TRBV7-2\*ap01

13361 sequences assigned  
13272 (99.3%) exact matches, in which:  
13109 unique CDR3  
13 unique J



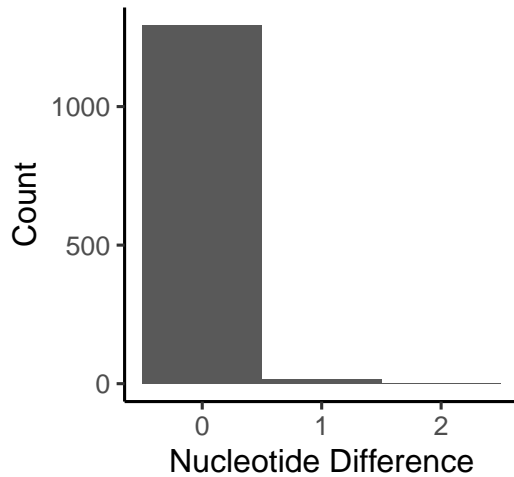
### TRBV7-6\*ap01

3541 sequences assigned  
3511 (99.2%) exact matches, in which:  
3451 unique CDR3  
13 unique J



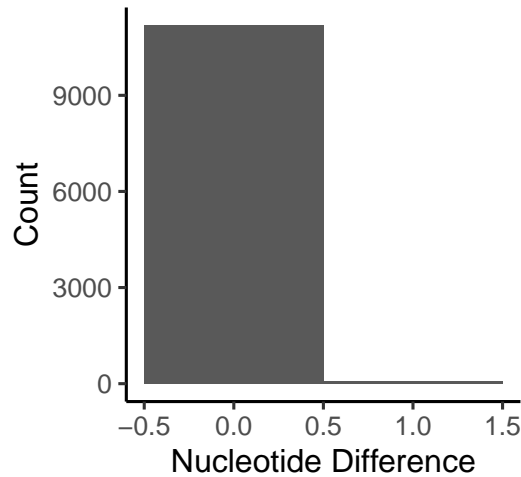
### TRBV7-7\*ap01

1309 sequences assigned  
1293 (98.8%) exact matches, in which:  
1273 unique CDR3  
13 unique J



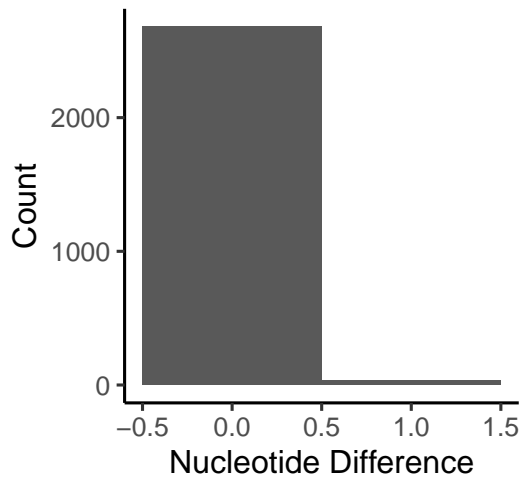
### TRBV7-9\*ap01

11267 sequences assigned  
11182 (99.2%) exact matches, in which:  
11039 unique CDR3  
13 unique J



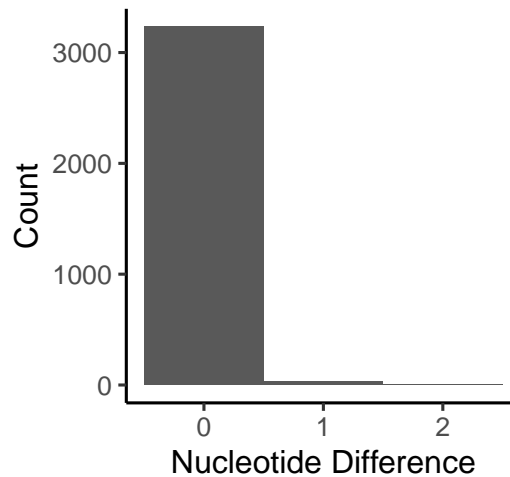
### TRBV7-8\*ap01

2715 sequences assigned  
2680 (98.7%) exact matches, in which:  
2634 unique CDR3  
13 unique J



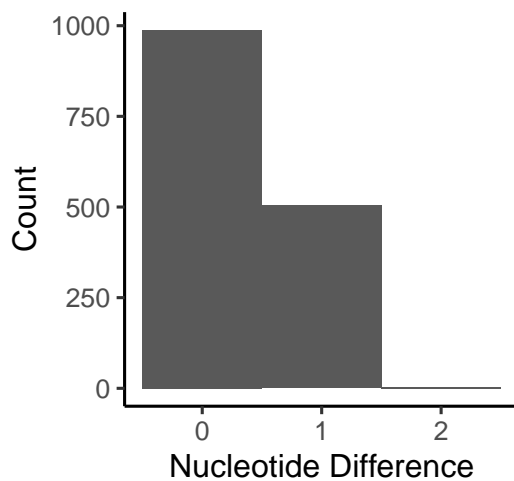
### TRBV29-1\*ap01

3269 sequences assigned  
3233 (98.9%) exact matches, in which:  
3176 unique CDR3  
13 unique J



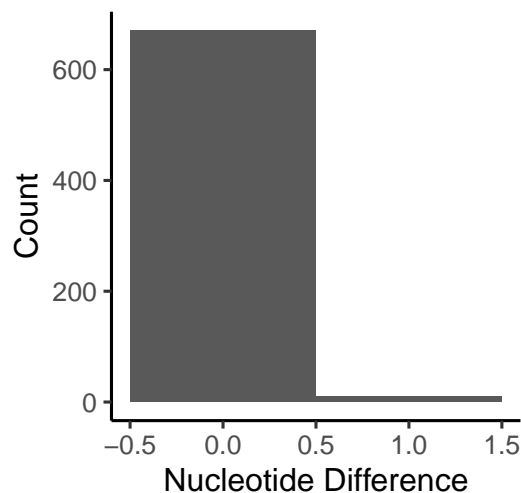
### TRBV7-8\*ap03

1495 sequences assigned  
988 (66.1%) exact matches, in which:  
974 unique CDR3  
13 unique J

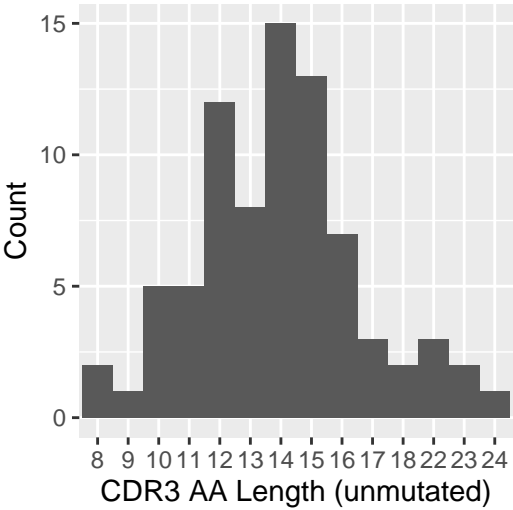


### TRBV29-1\*ap02

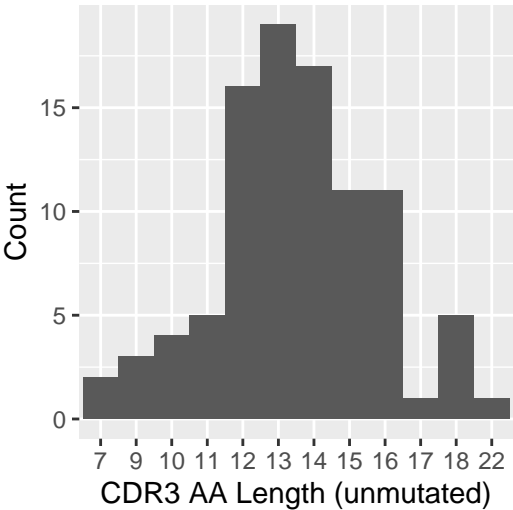
681 sequences assigned  
671 (98.5%) exact matches, in which:  
654 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-1\*ap01\_G291C\_T296C\_C314T





[illegible]