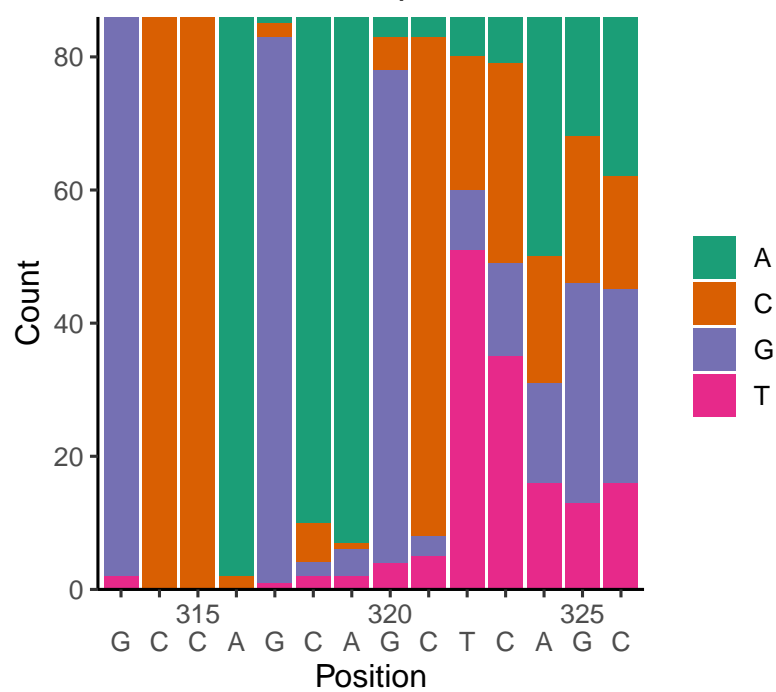
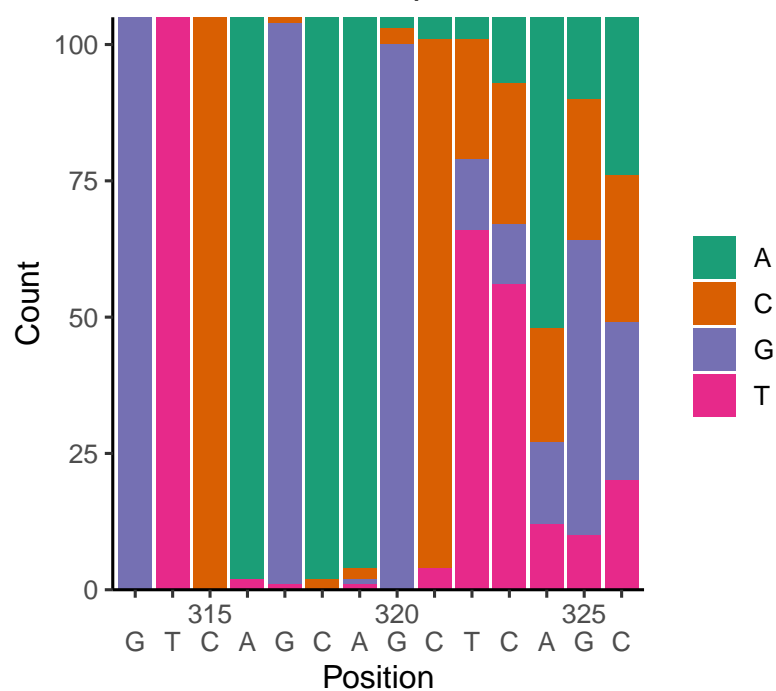


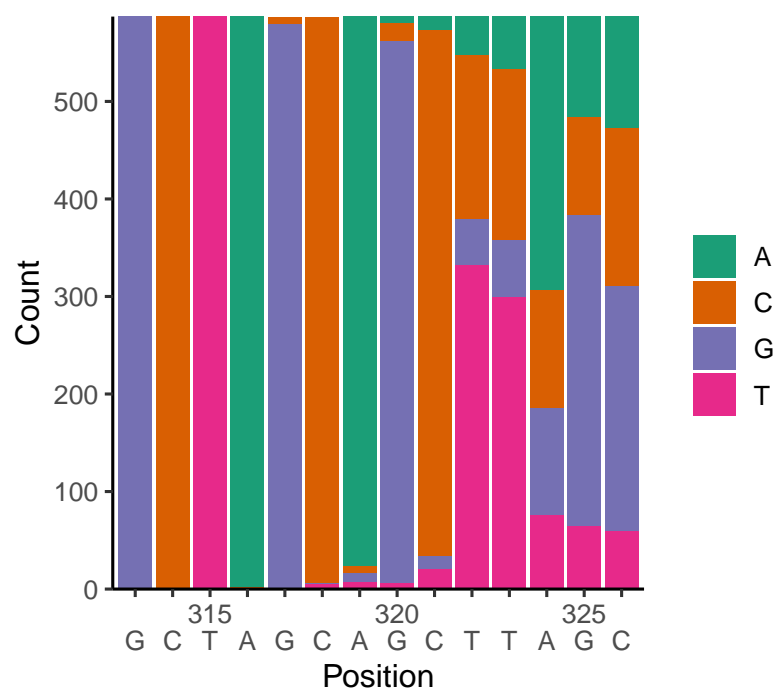
Gene TRBV7-1\*ap01\_G291C\_T296C



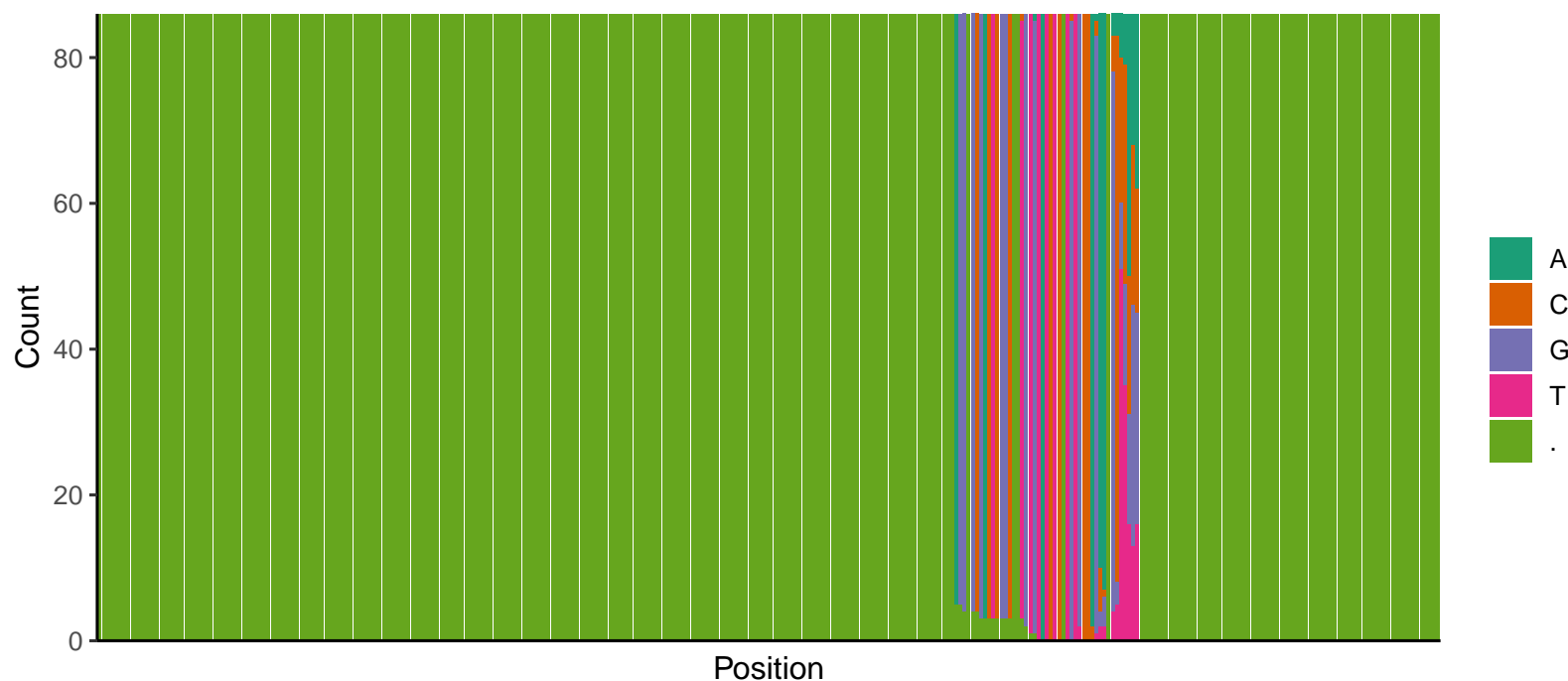
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



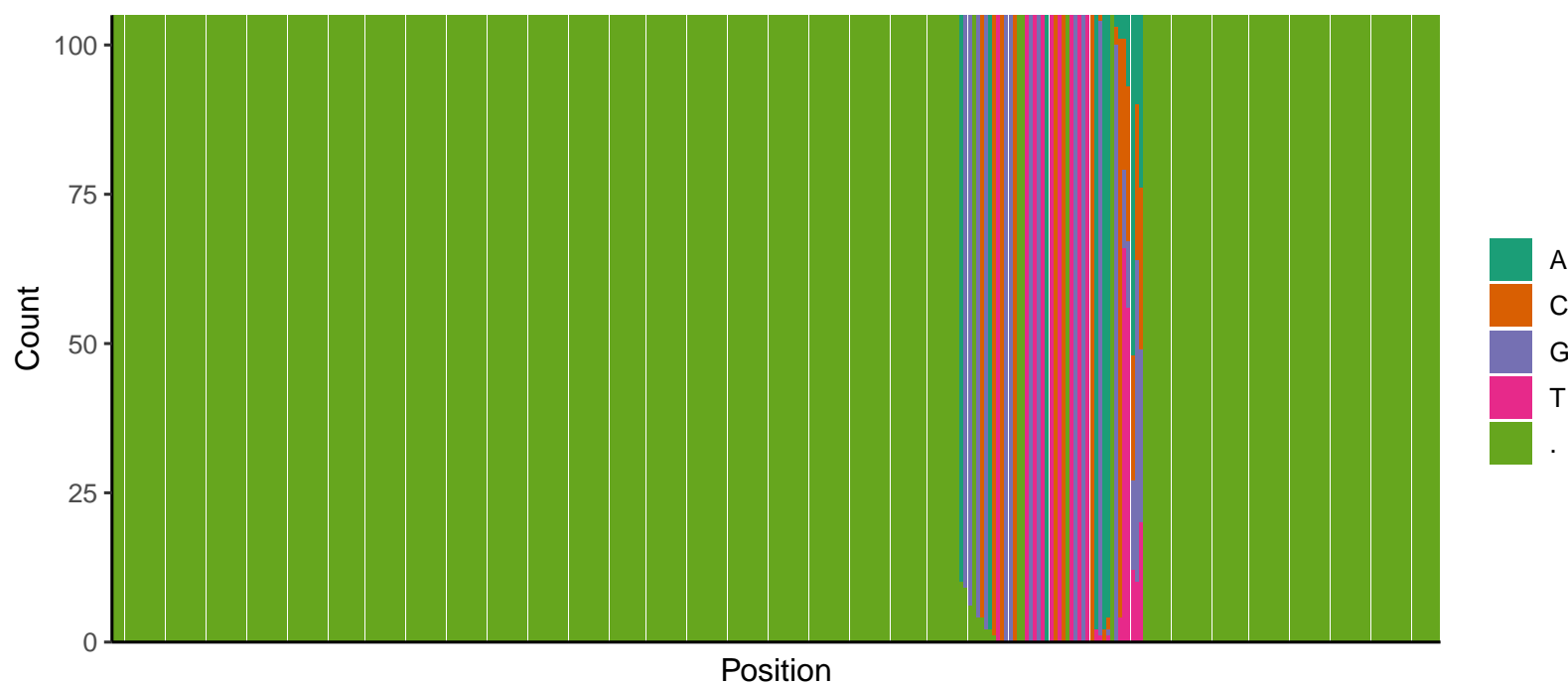
Gene TRBV7-7\*ap01\_C315T



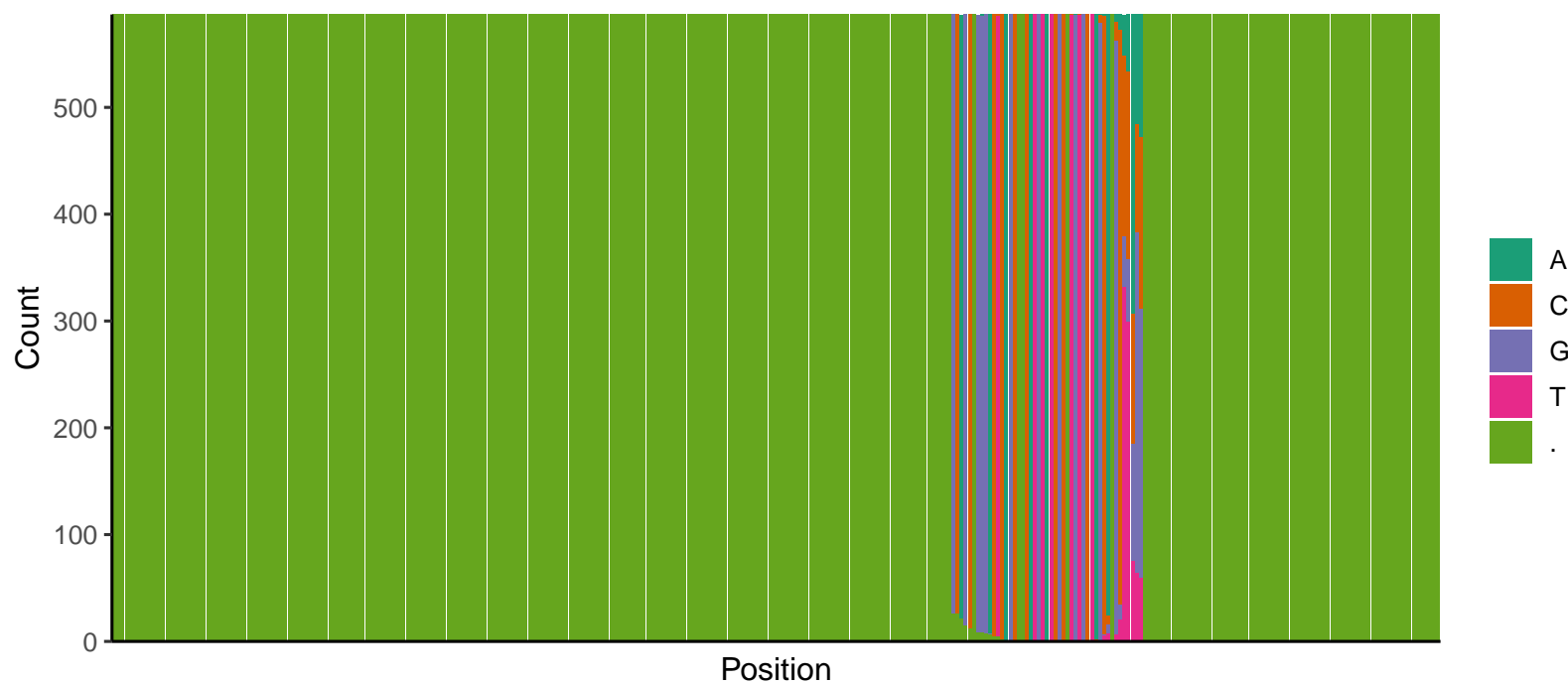
Gene TRBV7-1\*ap01\_G291C\_T296C



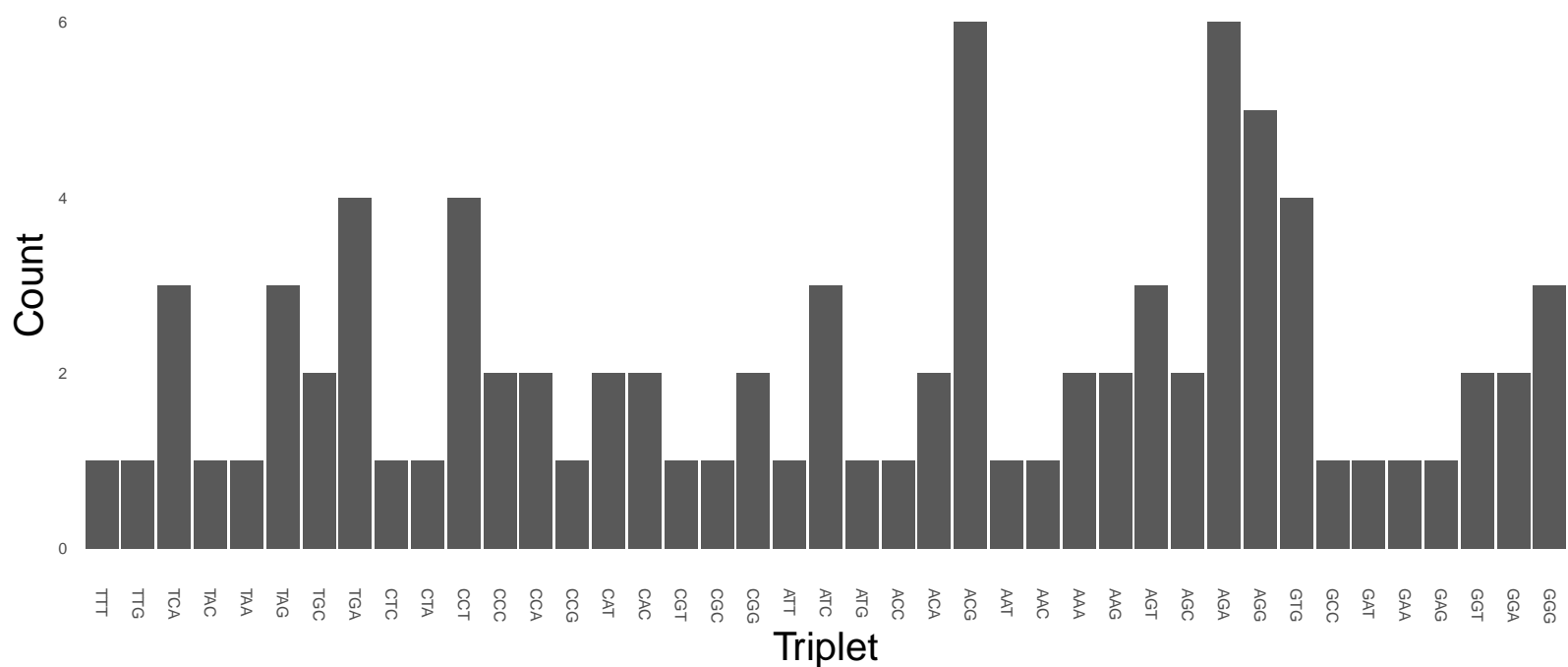
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



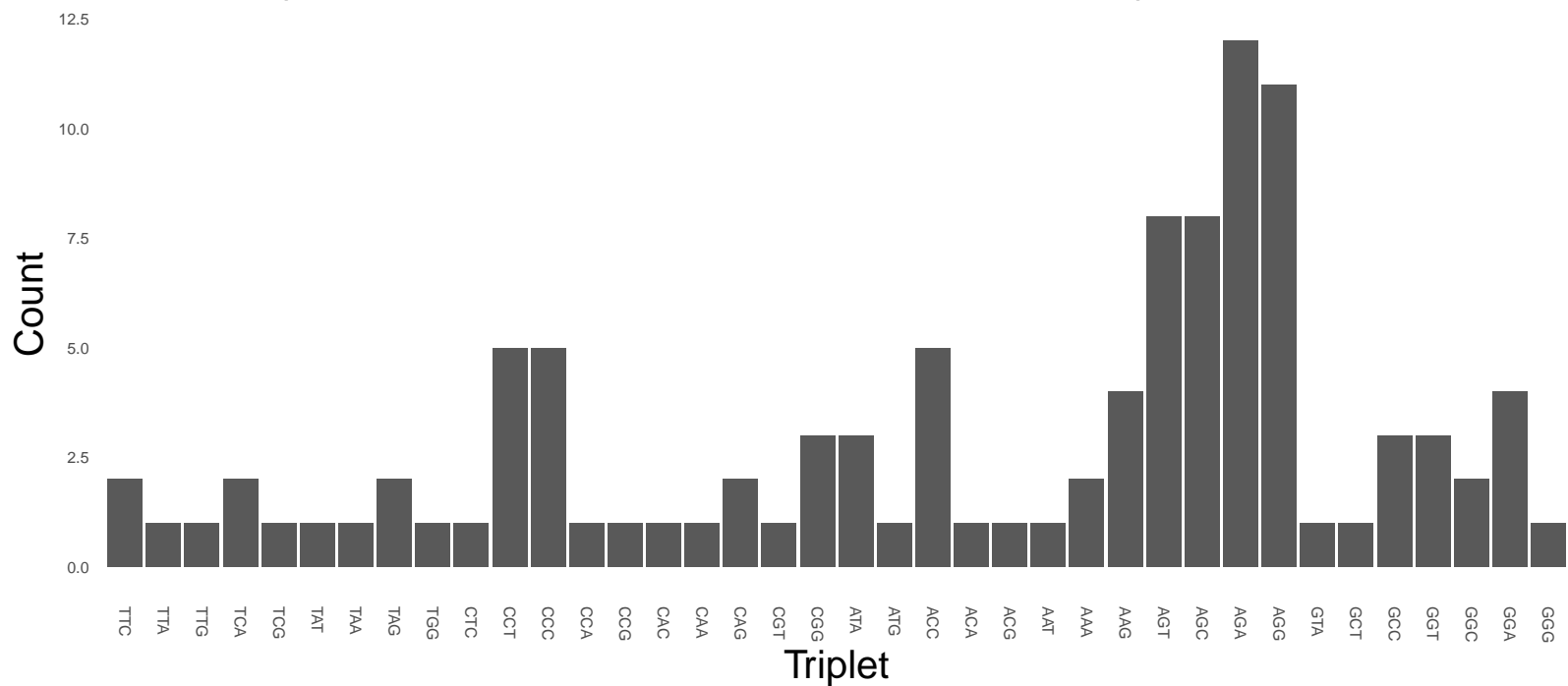
Gene TRBV7-7\*ap01\_C315T



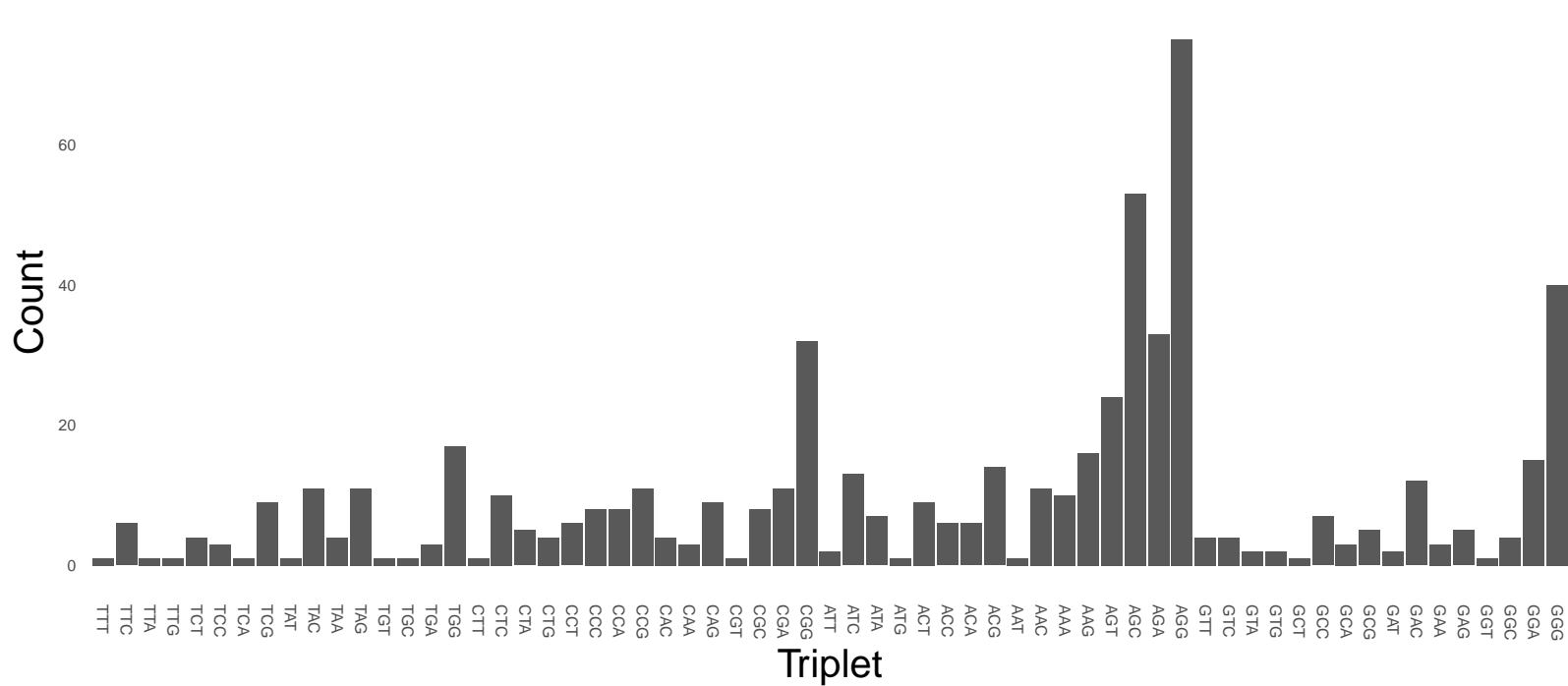
TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



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

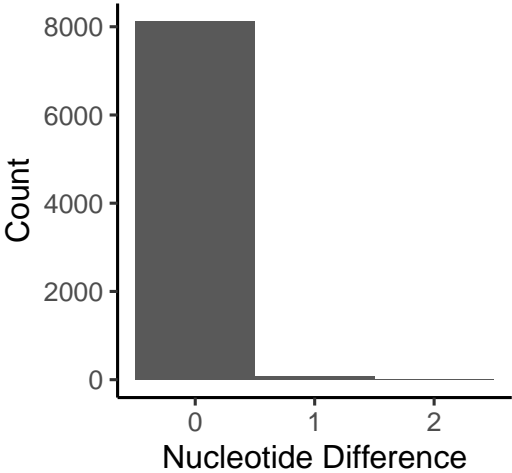


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



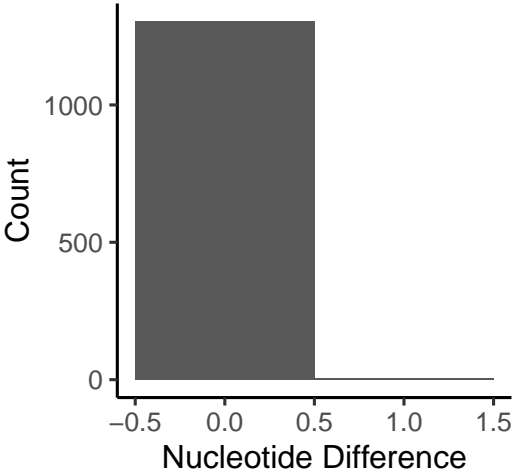
TRBV20-1\*ap01

8191 sequences assigned  
8121 (99.1%) exact matches, in which:  
8067 unique CDR3  
13 unique J



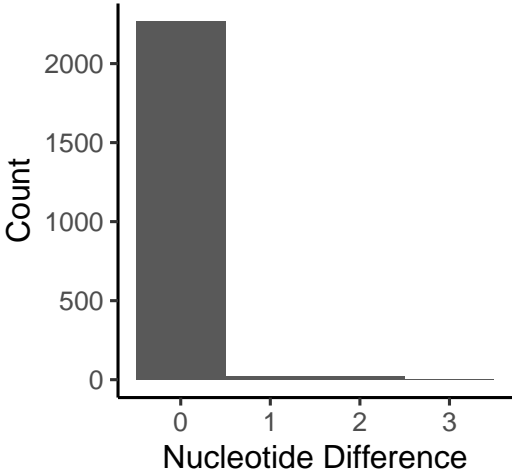
TRBV10-2\*ap01

1310 sequences assigned  
1304 (99.5%) exact matches, in which:  
1287 unique CDR3  
13 unique J



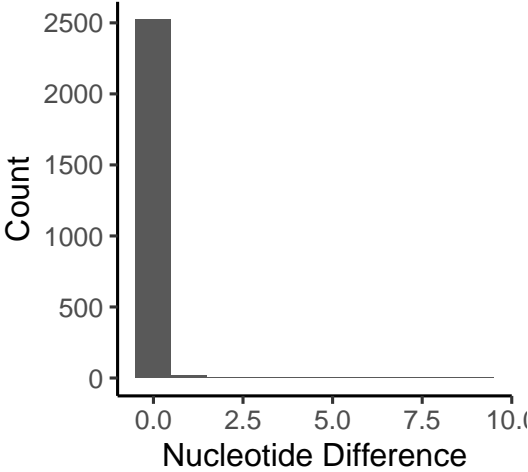
TRBV13\*ap01

2313 sequences assigned  
2267 (98%) exact matches, in which:  
2230 unique CDR3  
13 unique J



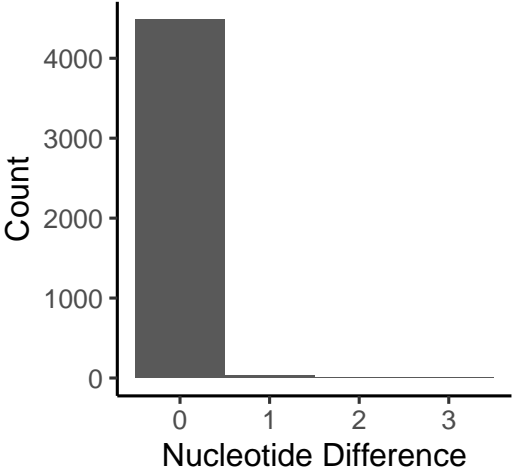
TRBV10-1\*ap01

2549 sequences assigned  
2522 (98.9%) exact matches, in which:  
2491 unique CDR3  
13 unique J



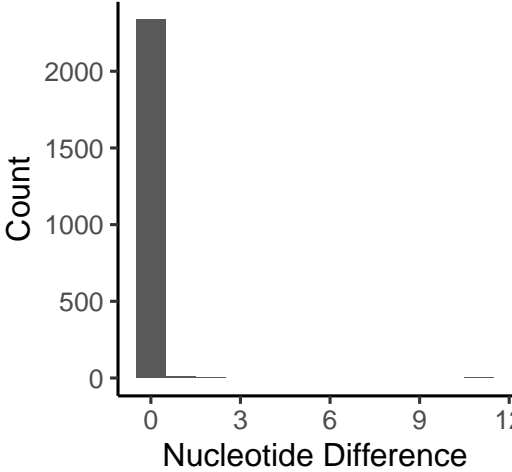
TRBV10-3\*ap01

4519 sequences assigned  
4482 (99.2%) exact matches, in which:  
4444 unique CDR3  
13 unique J



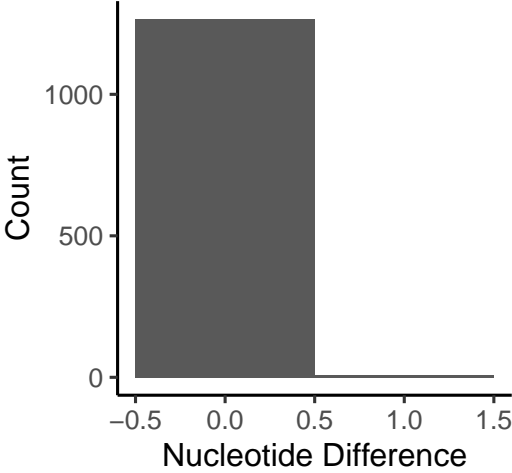
TRBV14\*ap01

2349 sequences assigned  
2336 (99.4%) exact matches, in which:  
2326 unique CDR3  
13 unique J



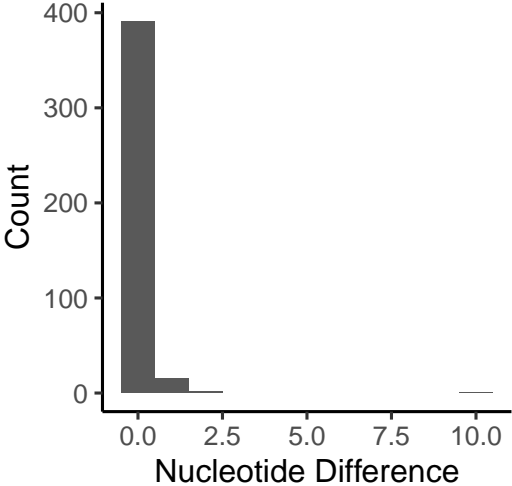
TRBV20-1\*ap02

1275 sequences assigned  
1266 (99.3%) exact matches, in which:  
1251 unique CDR3  
13 unique J



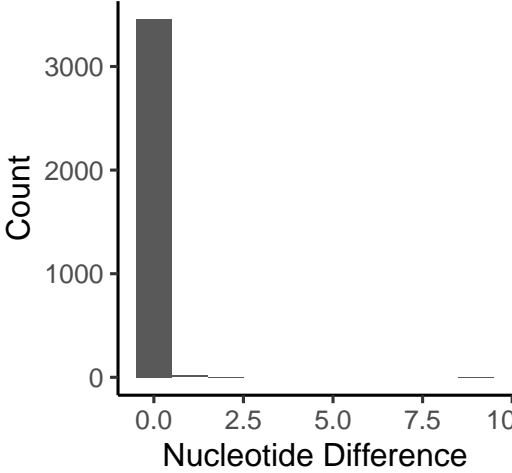
TRBV1\*ap01

409 sequences assigned  
391 (95.6%) exact matches, in which:  
383 unique CDR3  
13 unique J



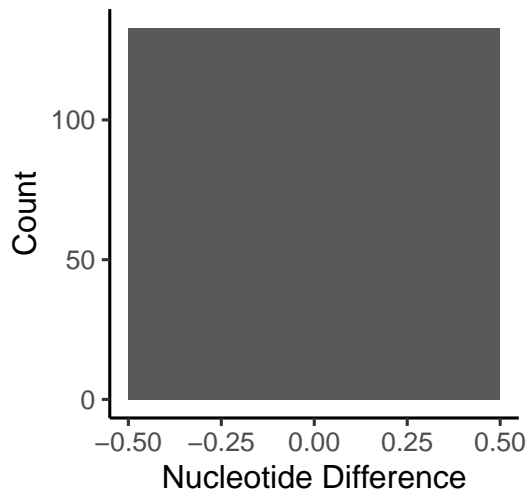
TRBV15\*ap02

3479 sequences assigned  
3458 (99.4%) exact matches, in which:  
3416 unique CDR3  
13 unique J



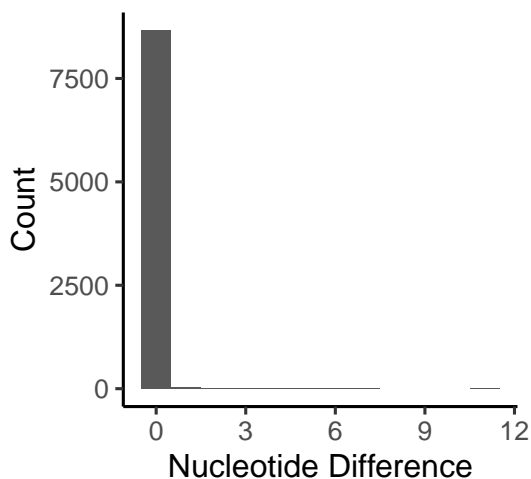
### TRBV16\*ap01

133 sequences assigned  
133 (100%) exact matches, in which:  
133 unique CDR3  
12 unique J



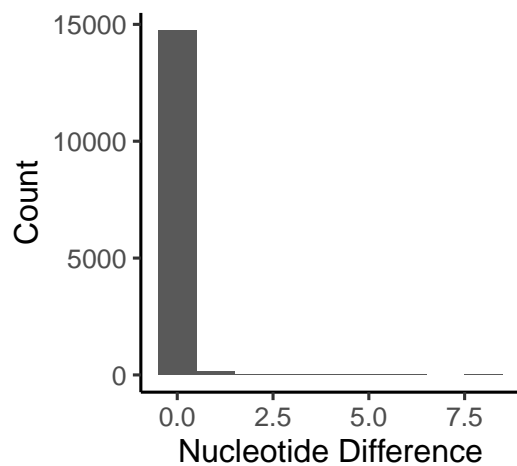
### TRBV19\*ap01

8712 sequences assigned  
8662 (99.4%) exact matches, in which:  
8646 unique CDR3  
13 unique J



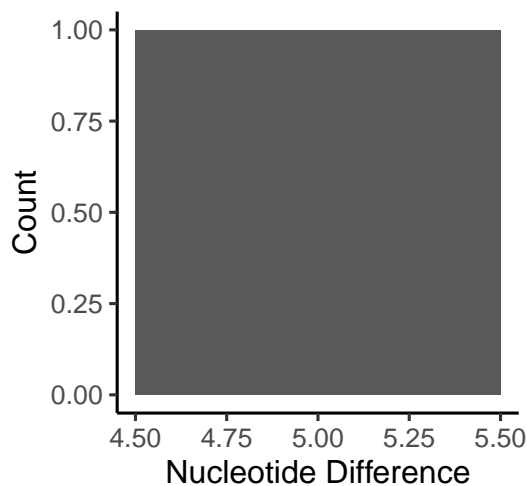
### TRBV27\*ap01

14916 sequences assigned  
14753 (98.9%) exact matches, in which:  
14602 unique CDR3  
14 unique J



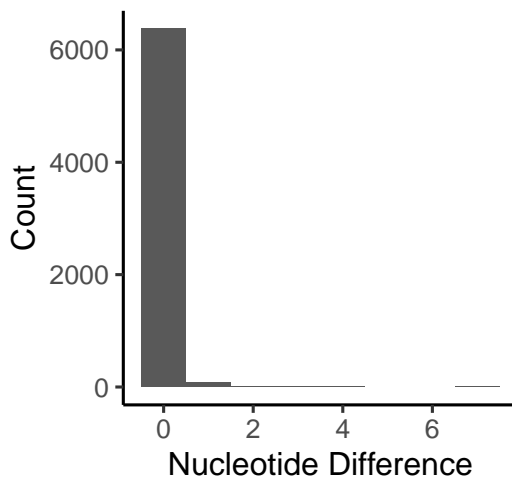
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



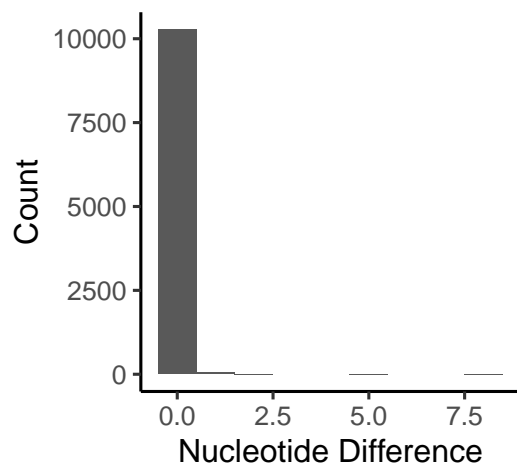
### TRBV2\*ap01

6477 sequences assigned  
6377 (98.5%) exact matches, in which:  
6293 unique CDR3  
13 unique J



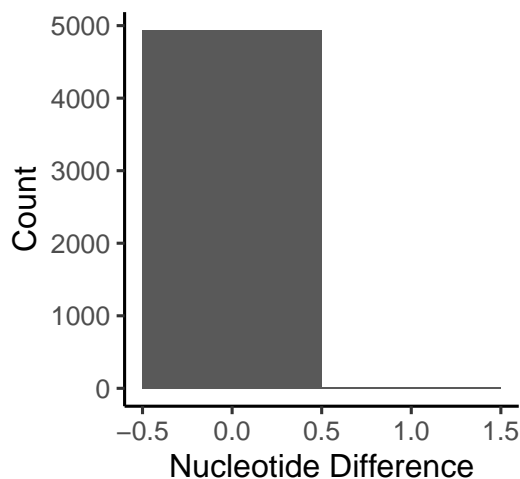
### TRBV28\*ap01

10340 sequences assigned  
10276 (99.4%) exact matches, in which:  
10198 unique CDR3  
13 unique J



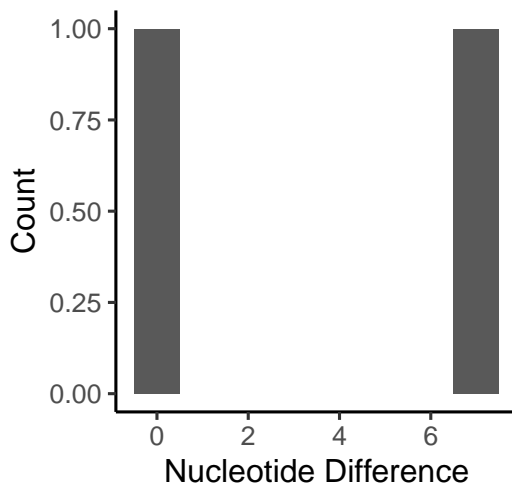
### TRBV18\*ap01

4957 sequences assigned  
4939 (99.6%) exact matches, in which:  
4921 unique CDR3  
13 unique J



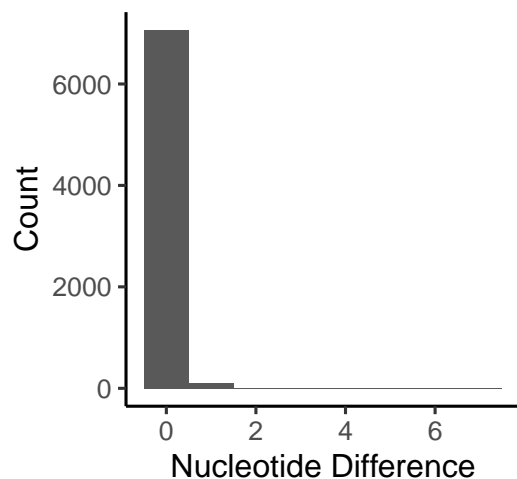
### TRBV26\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



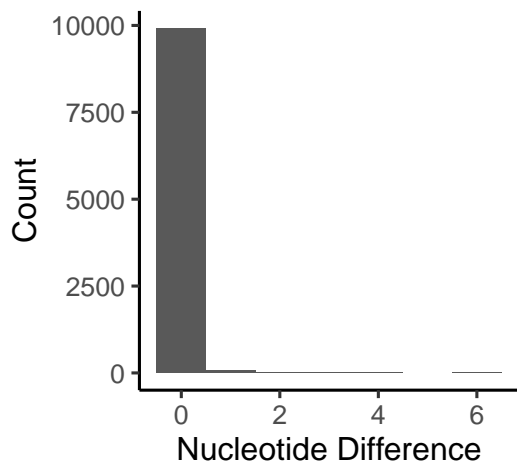
### TRBV30\*ap01

7172 sequences assigned  
7063 (98.5%) exact matches, in which:  
6995 unique CDR3  
13 unique J



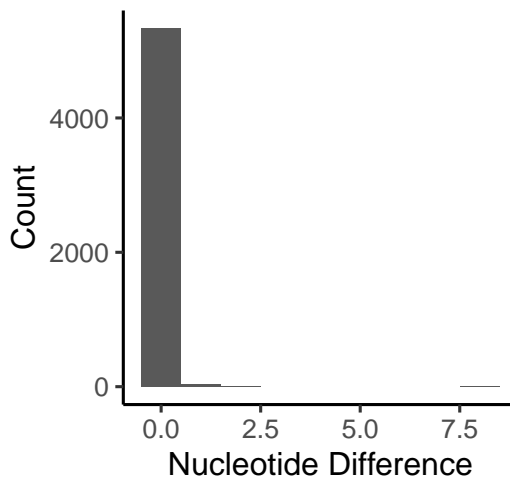
### TRBV9\*ap01

9991 sequences assigned  
9922 (99.3%) exact matches, in which:  
9825 unique CDR3  
13 unique J



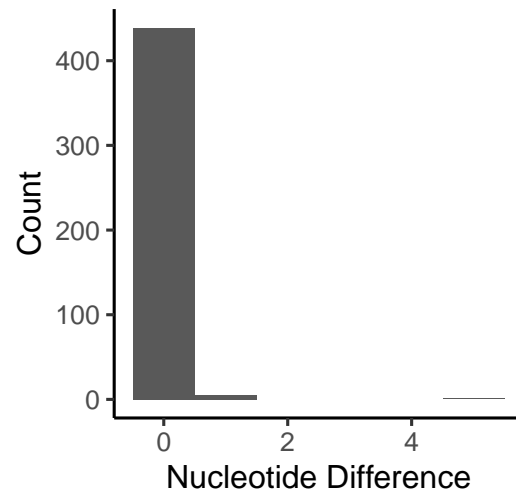
### TRBV11-2\*ap01

5375 sequences assigned  
5333 (99.2%) exact matches, in which:  
5278 unique CDR3  
13 unique J



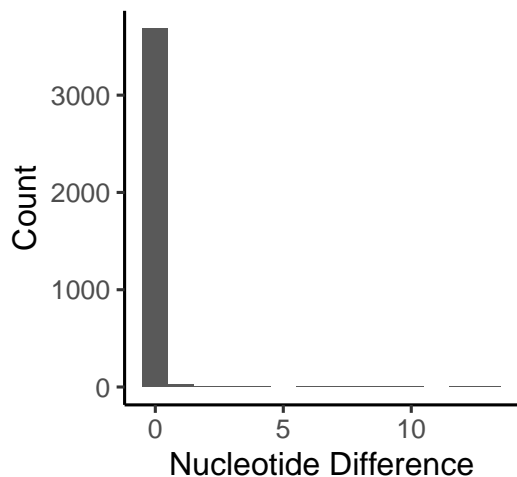
### TRBV12-2\*ap01

445 sequences assigned  
439 (98.7%) exact matches, in which:  
437 unique CDR3  
13 unique J



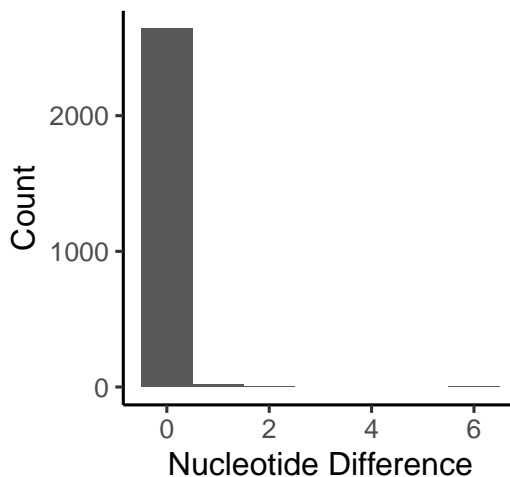
### TRBV21-1\*ap01

3731 sequences assigned  
3683 (98.7%) exact matches, in which:  
3662 unique CDR3  
13 unique J



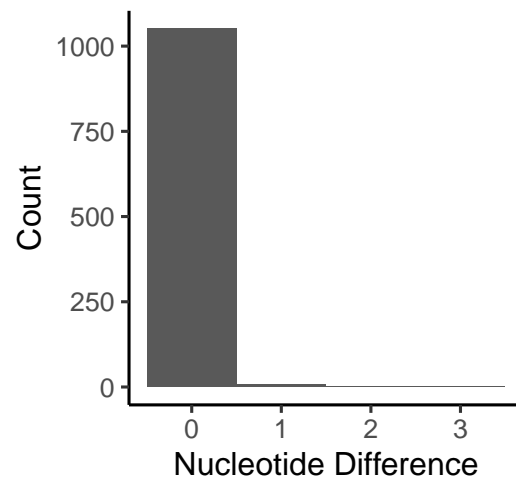
### TRBV11-3\*ap01

2663 sequences assigned  
2641 (99.2%) exact matches, in which:  
2622 unique CDR3  
13 unique J



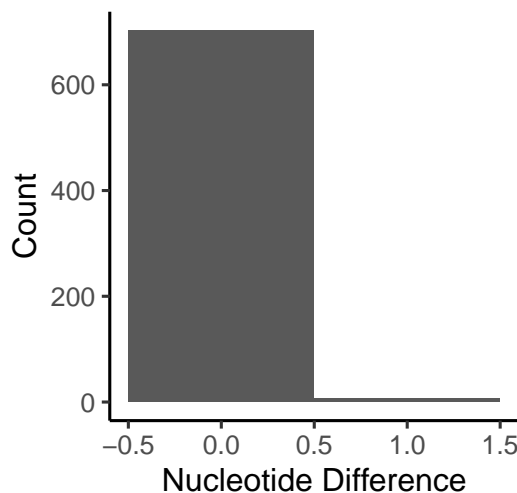
### TRBV12-5\*ap01

1060 sequences assigned  
1051 (99.2%) exact matches, in which:  
1046 unique CDR3  
13 unique J



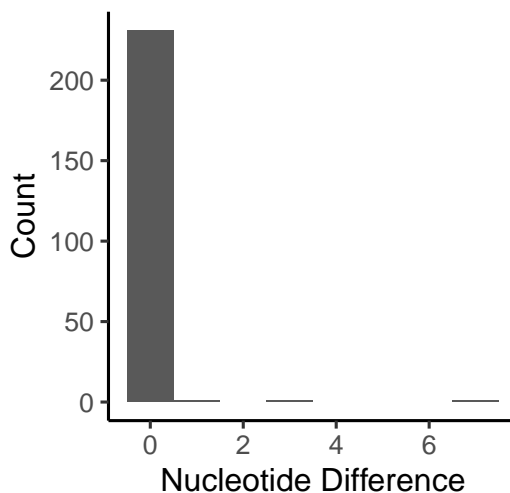
### TRBV11-1\*ap01

710 sequences assigned  
703 (99%) exact matches, in which:  
696 unique CDR3  
13 unique J



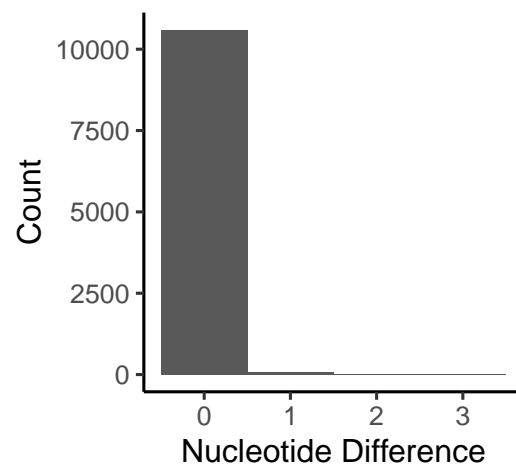
### TRBV12-1\*ap01

234 sequences assigned  
231 (98.7%) exact matches, in which:  
228 unique CDR3  
13 unique J



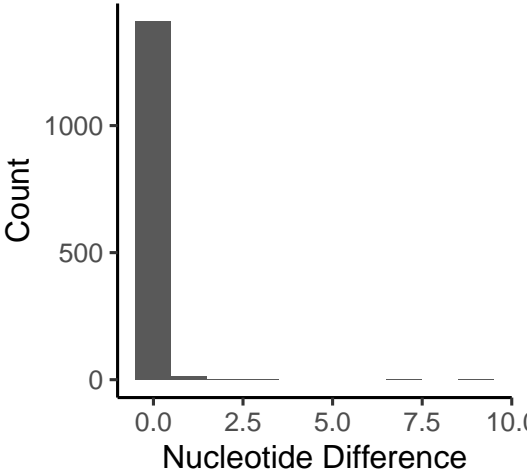
### TRBV12-34\*ap01

10688 sequences assigned  
10597 (99.1%) exact matches, in which:  
10491 unique CDR3  
13 unique J



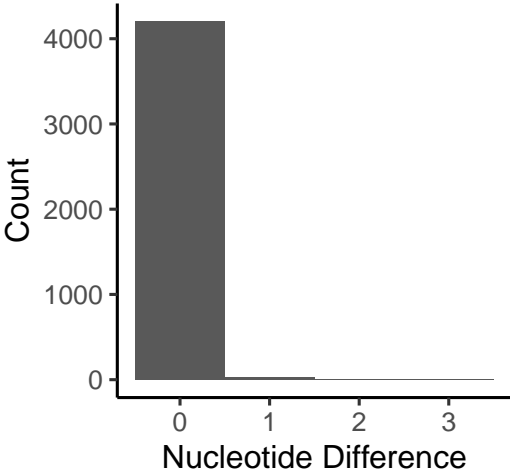
TRBV23-1\*ap01

1426 sequences assigned  
1410 (98.9%) exact matches, in which:  
1400 unique CDR3  
13 unique J



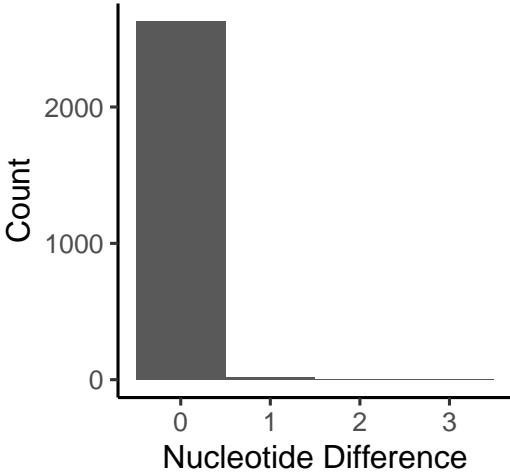
TRBV24-1\*ap01

4239 sequences assigned  
4203 (99.2%) exact matches, in which:  
4166 unique CDR3  
13 unique J



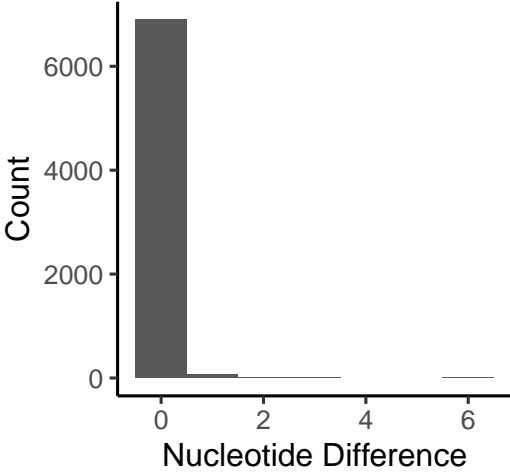
TRBV25-1\*ap01

2652 sequences assigned  
2628 (99.1%) exact matches, in which:  
2607 unique CDR3  
13 unique J



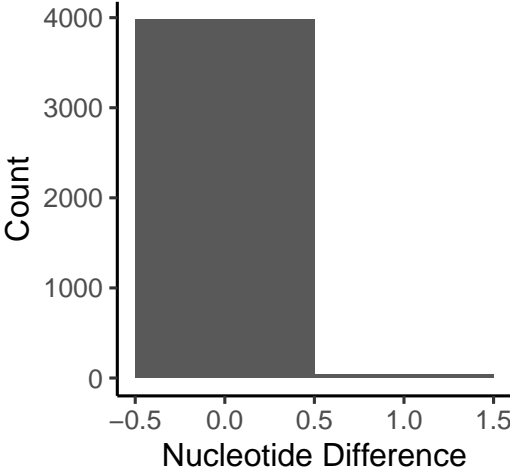
TRBV3-12\*ap01

6970 sequences assigned  
6896 (98.9%) exact matches, in which:  
6831 unique CDR3  
13 unique J



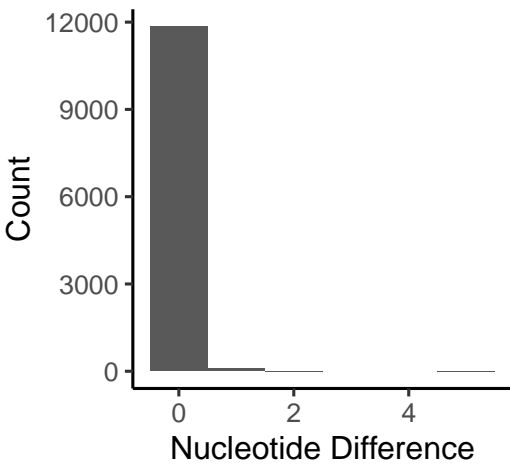
TRBV4-2\*ap01

4018 sequences assigned  
3977 (99%) exact matches, in which:  
3952 unique CDR3  
13 unique J



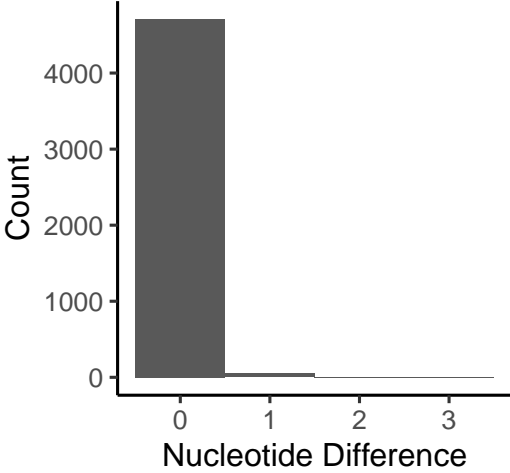
TRBV5-1\*ap01

11941 sequences assigned  
11851 (99.2%) exact matches, in which:  
11713 unique CDR3  
13 unique J



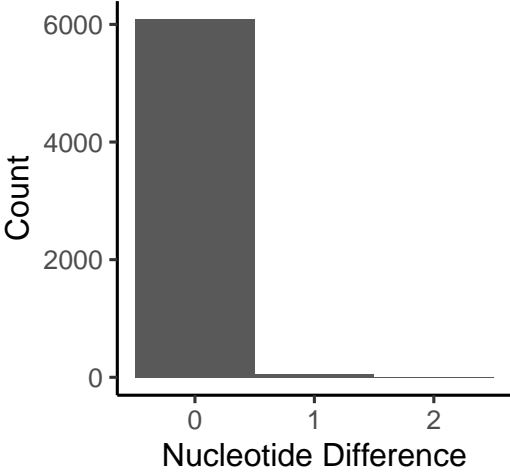
TRBV4-1\*ap01

4765 sequences assigned  
4710 (98.8%) exact matches, in which:  
4669 unique CDR3  
13 unique J



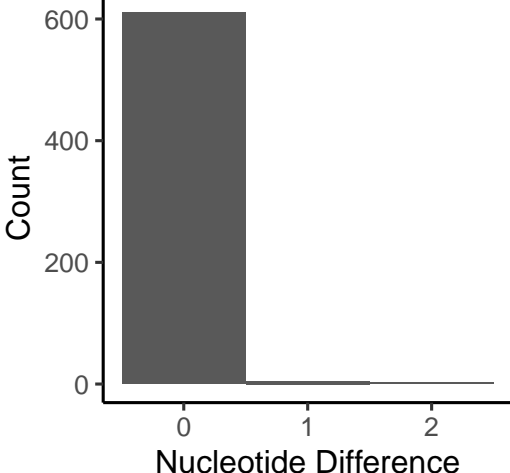
TRBV4-3\*ap01

6146 sequences assigned  
6091 (99.1%) exact matches, in which:  
6033 unique CDR3  
13 unique J



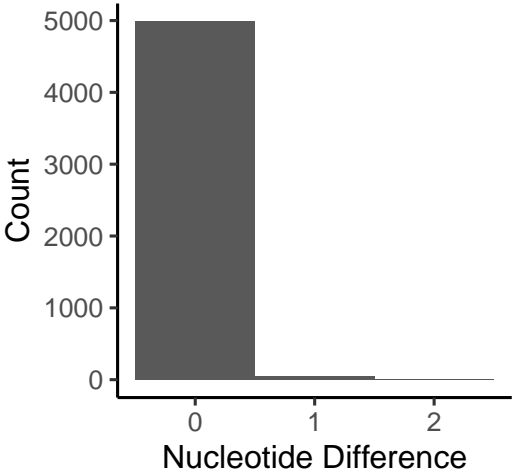
TRBV5-3\*ap01

618 sequences assigned  
611 (98.9%) exact matches, in which:  
605 unique CDR3  
13 unique J



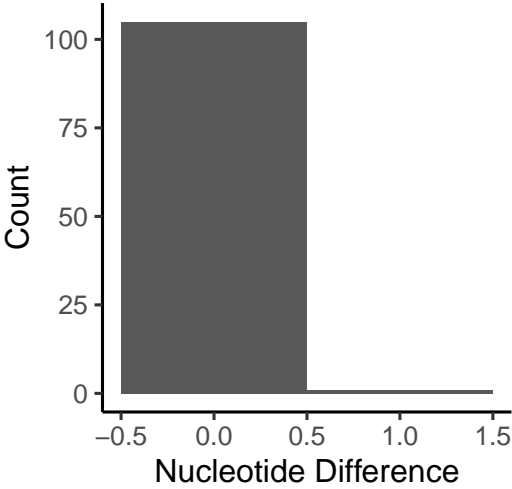
TRBV5-4\*ap01

5033 sequences assigned  
4988 (99.1%) exact matches, in which:  
4903 unique CDR3  
13 unique J



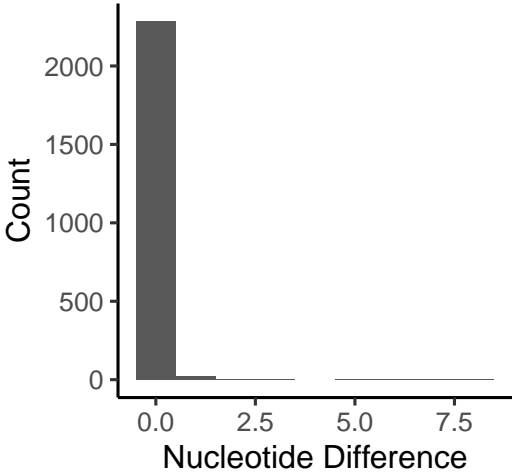
TRBV5-7\*ap01

106 sequences assigned  
105 (99.1%) exact matches, in which:  
104 unique CDR3  
13 unique J



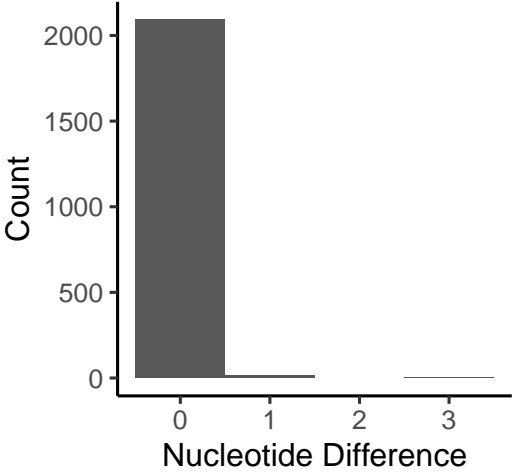
TRBV6-4\*ap01

2320 sequences assigned  
2284 (98.4%) exact matches, in which:  
2269 unique CDR3  
13 unique J



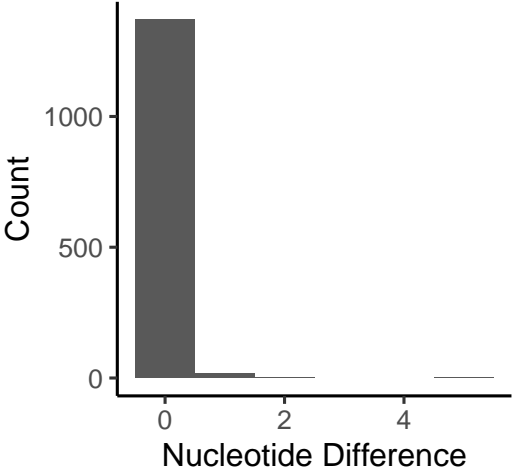
TRBV5-5\*ap01

2107 sequences assigned  
2092 (99.3%) exact matches, in which:  
2071 unique CDR3  
13 unique J



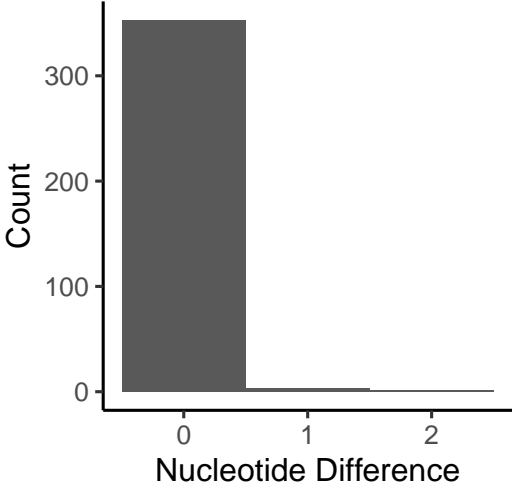
TRBV5-8\*ap01

1390 sequences assigned  
1370 (98.6%) exact matches, in which:  
1363 unique CDR3  
13 unique J



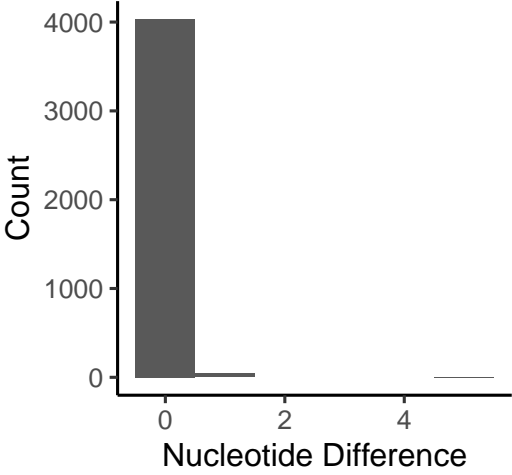
TRBV6-7\*ap01

357 sequences assigned  
353 (98.9%) exact matches, in which:  
350 unique CDR3  
13 unique J



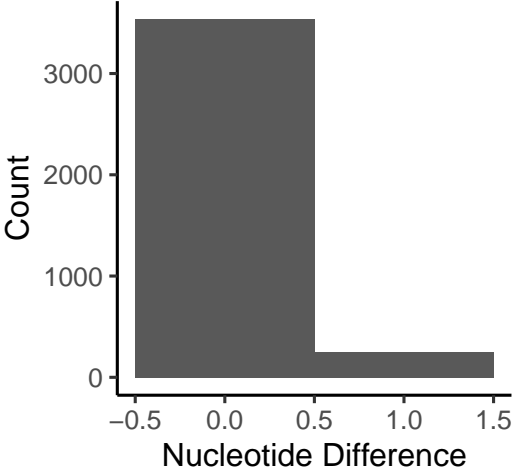
TRBV5-6\*ap01

4077 sequences assigned  
4034 (98.9%) exact matches, in which:  
3990 unique CDR3  
13 unique J



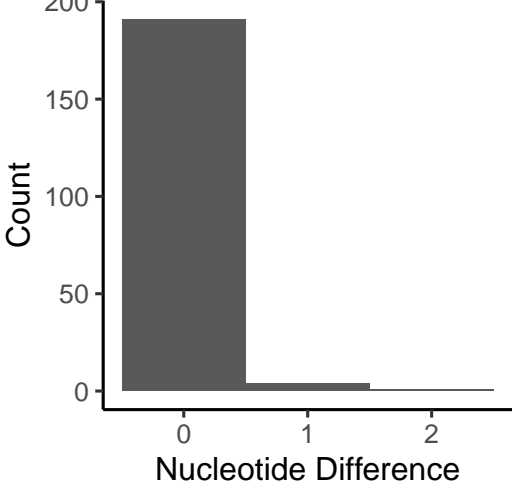
TRBV6-1\*ap01

3787 sequences assigned  
3538 (93.4%) exact matches, in which:  
3487 unique CDR3  
13 unique J



TRBV6-8\*ap01

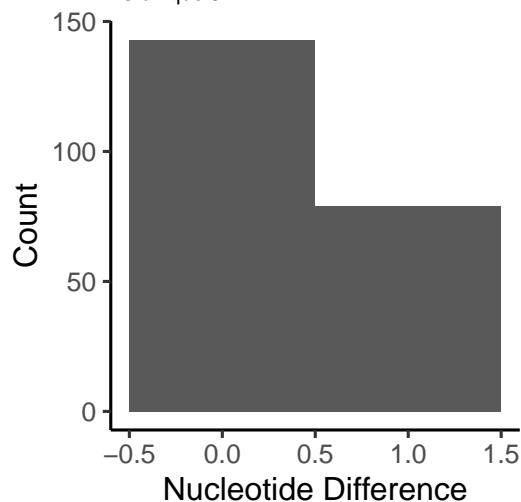
196 sequences assigned  
191 (97.4%) exact matches, in which:  
189 unique CDR3  
13 unique J





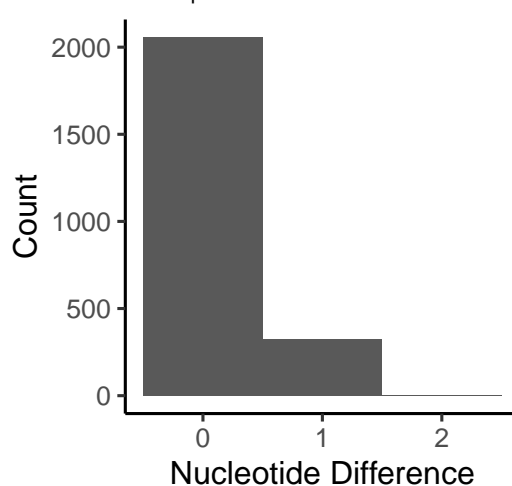
### TRBV6–9\*ap01

222 sequences assigned  
143 (64.4%) exact matches, in which:  
141 unique CDR3  
13 unique J



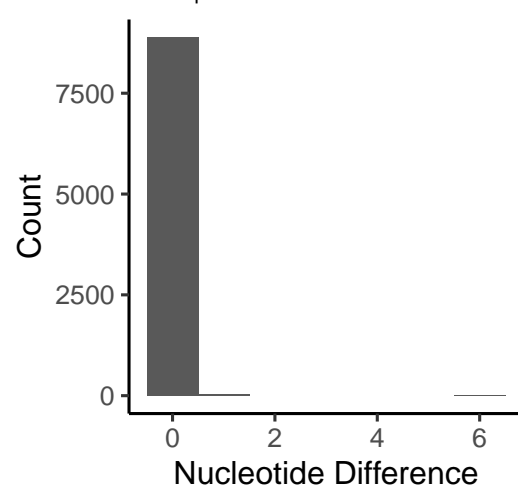
### TRBV6–56\*ap02

2382 sequences assigned  
2056 (86.3%) exact matches, in which:  
2022 unique CDR3  
13 unique J



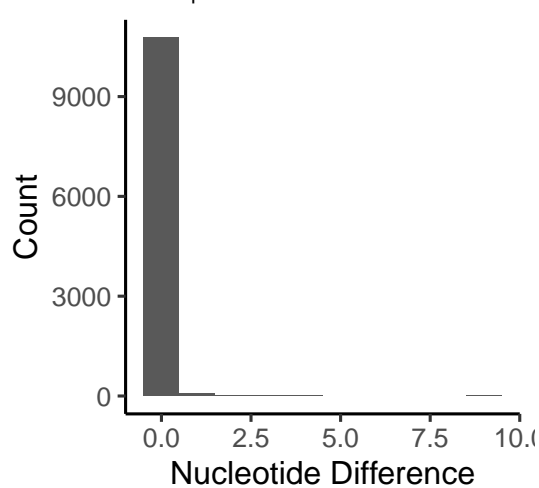
### TRBV7–2\*ap01

8926 sequences assigned  
8884 (99.5%) exact matches, in which:  
8824 unique CDR3  
13 unique J



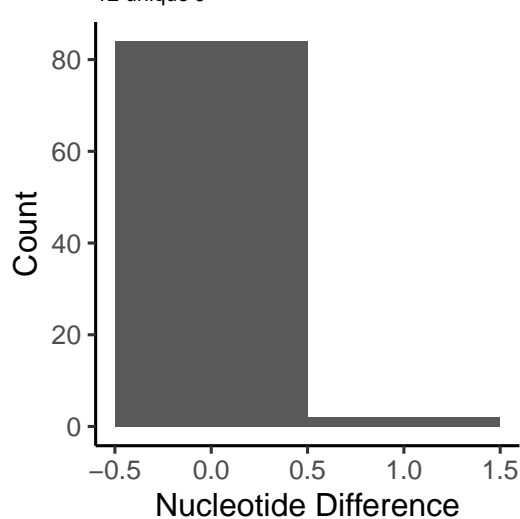
### TRBV6–23\*ap01

10866 sequences assigned  
10769 (99.1%) exact matches, in which:  
10638 unique CDR3  
13 unique J



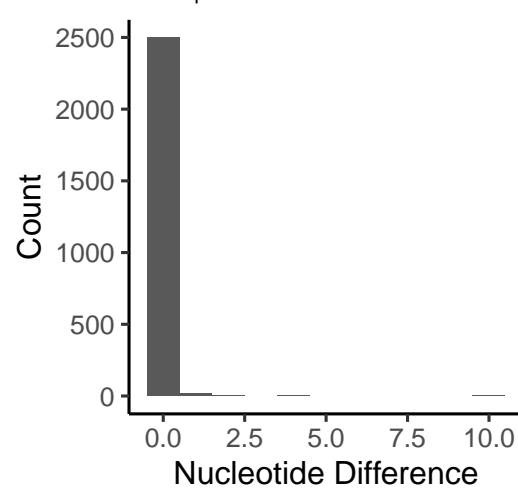
### TRBV7–1\*ap01\_G291C\_T

86 sequences assigned  
84 (97.7%) exact matches, in which:  
82 unique CDR3  
12 unique J



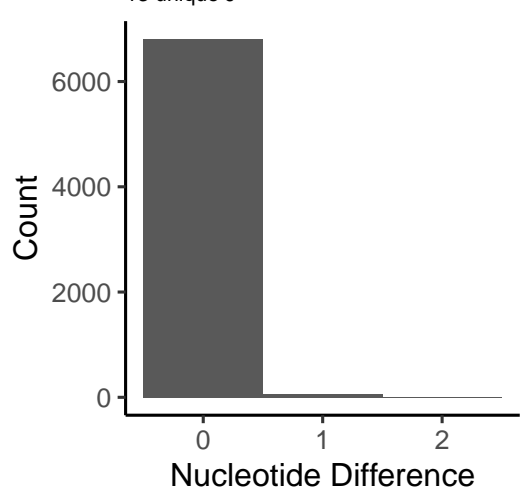
### TRBV7–3\*ap01

2518 sequences assigned  
2498 (99.2%) exact matches, in which:  
2488 unique CDR3  
13 unique J



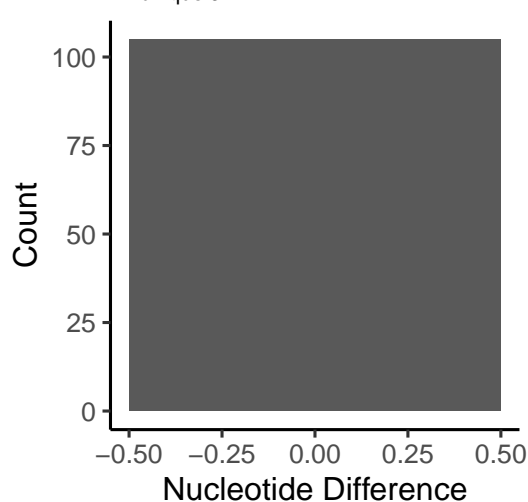
### TRBV6–56\*ap01

6867 sequences assigned  
6807 (99.1%) exact matches, in which:  
6716 unique CDR3  
13 unique J



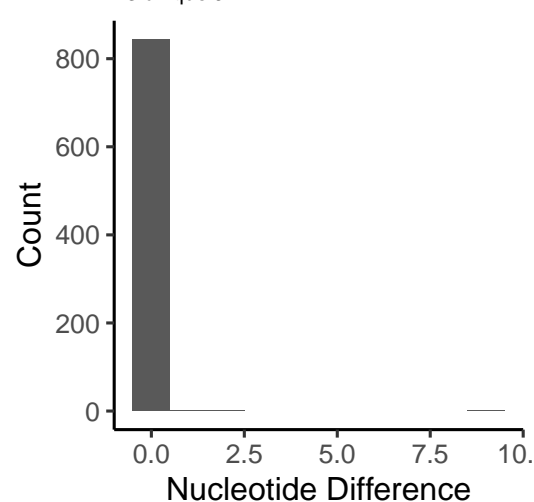
### TRBV7–1\*ap01\_G291C\_

105 sequences assigned  
105 (100%) exact matches, in which:  
105 unique CDR3  
11 unique J



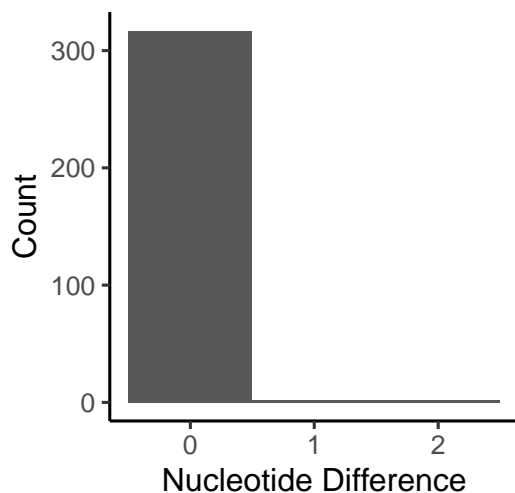
### TRBV7–3\*ap02

849 sequences assigned  
844 (99.4%) exact matches, in which:  
840 unique CDR3  
13 unique J



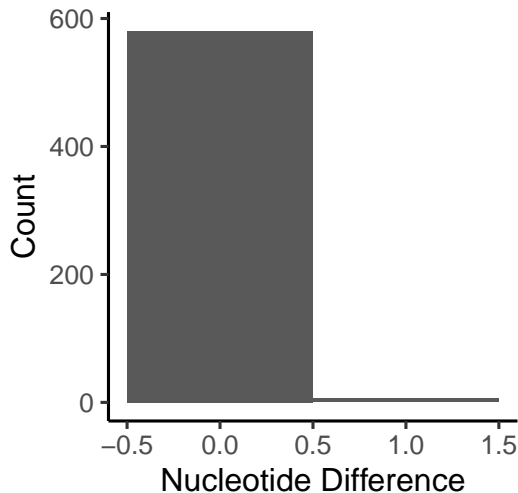
### TRBV7-4\*ap01

321 sequences assigned  
317 (98.8%) exact matches, in which:  
133 unique CDR3  
13 unique J



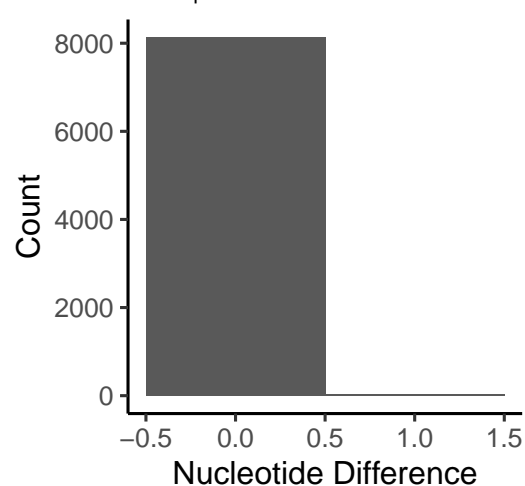
### TRBV7-7\*ap01\_C315T

587 sequences assigned  
581 (99%) exact matches, in which:  
576 unique CDR3  
13 unique J



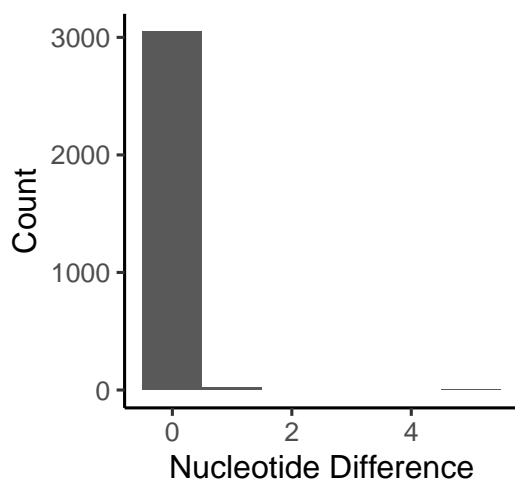
### TRBV7-9\*ap01

8163 sequences assigned  
8132 (99.6%) exact matches, in which:  
8106 unique CDR3  
13 unique J



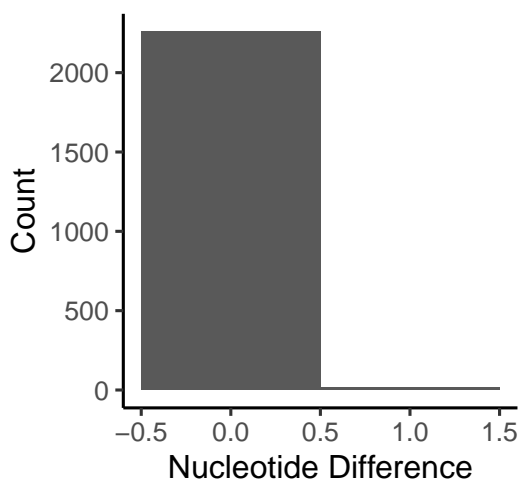
### TRBV7-6\*ap01

3068 sequences assigned  
3048 (99.3%) exact matches, in which:  
3020 unique CDR3  
13 unique J



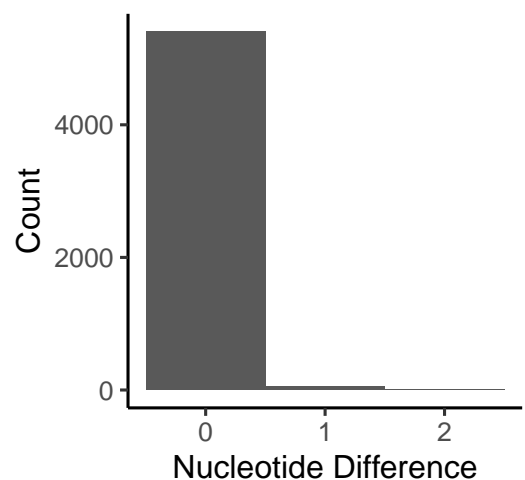
### TRBV7-8\*ap01

2271 sequences assigned  
2258 (99.4%) exact matches, in which:  
2238 unique CDR3  
13 unique J



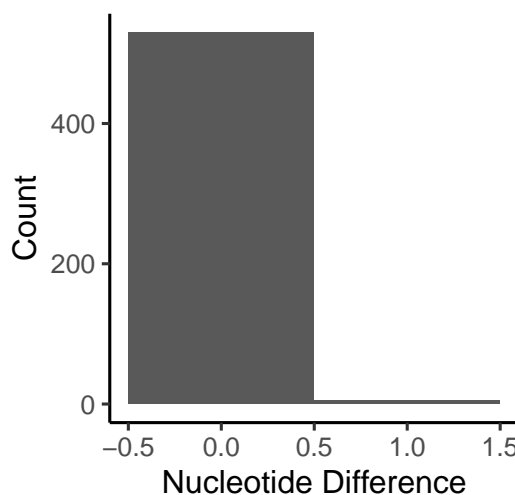
### TRBV29-1\*ap01

5452 sequences assigned  
5404 (99.1%) exact matches, in which:  
5351 unique CDR3  
13 unique J



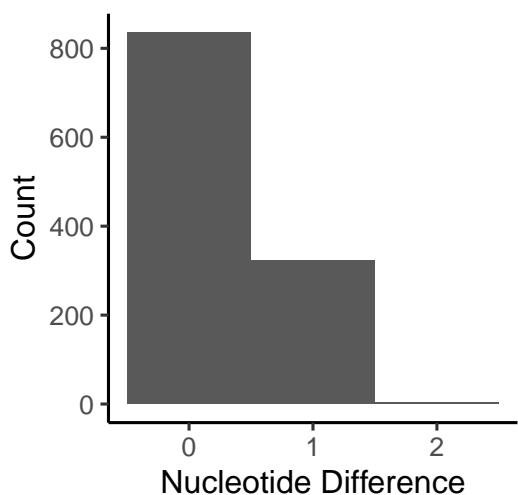
### TRBV7-7\*ap01

535 sequences assigned  
530 (99.1%) exact matches, in which:  
529 unique CDR3  
13 unique J



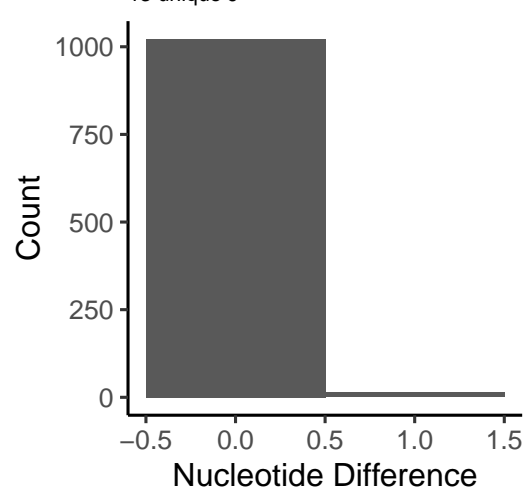
### TRBV7-8\*ap03

1163 sequences assigned  
836 (71.9%) exact matches, in which:  
825 unique CDR3  
13 unique J

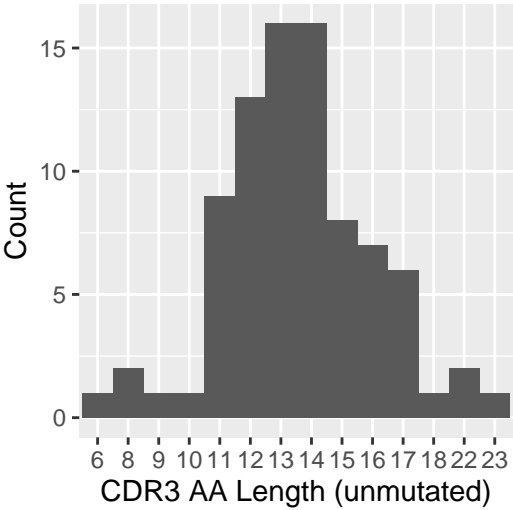


### TRBV29-1\*ap02

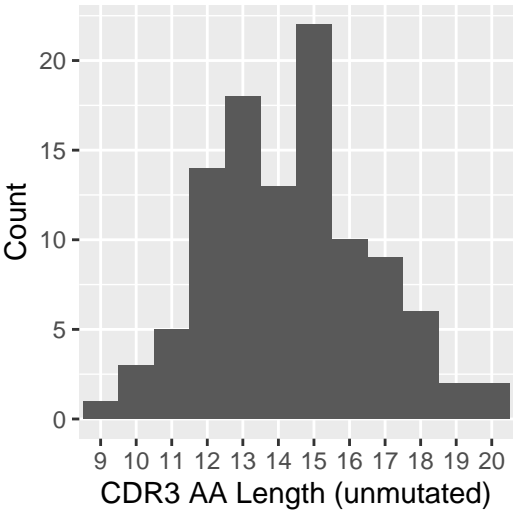
1036 sequences assigned  
1022 (98.6%) exact matches, in which:  
1010 unique CDR3  
13 unique J



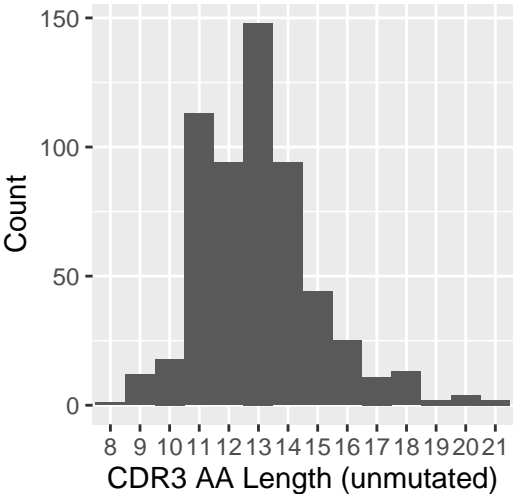
TRBV7-1\*ap01\_G291C\_T296C



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



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.